Appendix F:
Hydrology and Water Quality Supporting Information

THIS PAGE INTENTIONALLY LEFT BLANK

PRELIMINARY HYDROLOGY AND HYDRAULICS STUDY
FOR
TENTATIVE TRACT MAP 38775
PERRIS, CALIFORNIA

PREPARED FOR

D.R. HORTON
SOUTH COAST, INLAND EMPIRE DIVISION
2280 WARDLOW CIRCLE, SUITE 100
CORONA, California 92880
(951) 739-5441

PREPARED BY

SP2 & Co.
A Land Development Services Company
451 W. LAMBERT RD, SUITE 216
BREA, CALIFORNIA 92821
714.490.1514 | 714.490.1515

REGISTERED PROFESSIONAL ENGINEER
JIMMY C. CHEN
NO. C51394
CIVIL
STATE OF CALIFORNIA

09/14/2023
Jimmy C. Chen, P.E. Date

SEPTEMBER 13, 2023

This report has been prepared by or under the direction of the following registered civil engineer who attests to the technical information contained herein. The registered civil engineer has also judged the qualifications of any technical specialists providing engineering data upon which recommendations, conclusions, and decisions are based.



09/14/23

Jimmy C. Chen, RCE 51394 Date
Registered Civil Engineer

TABLE OF CONTENTS

I. PROJECT BACKGROUND AND DESCRIPTION 1
II. HYDROLOGY AND HYDRAULIC METHODOLOGY 2
III. FINDINGS ..... **Error! Bookmark not defined.**
IV. REFERENCES 5
V. VICINITY MAP 6
VI. DRAINAGE FACILITIES MAP 7

APPENDICES

APPENDIX A: **RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT (RCFC&WCD) PLATES & REFERENCE MAPS**
APPENDIX A.1: NRCS HYDRAULIC SOILS MAP
APPENDIX A.2: RCFC&WCD PRECIPITATION Map PLATES
APPENDIX A.3: SLOPE OF INTENSITY DURATION CURVE (PLATE D-4.6)

APPENDIX B: **DEVELOPED RATIONAL METHOD MODELS**
APPENDIX B.1: RATIONAL METHOD ANALYSIS, AREA "A"
APPENDIX B.2: RATIONAL METHOD ANALYSIS, AREA "B"
APPENDIX B.3: RATIONAL METHOD ANALYSIS, AREA "C"

APPENDIX C: **DEVELOPED UNIT HYDROGRAPH MODELS**
APPENDIX C.1: UNIT HYDROGRAPH ANALYSIS, AREA "A"
APPENDIX C.2: UNIT HYDROGRAPH ANALYSIS, AREA "B"

APPENDIX D: **FLOOD ROUTING MODELS**
APPENDIX D.1: BASIN "A" STAGE-STORAGE-OUTFLOW SUMMARY & ROUTING
APPENDIX D.2: BASIN "B" STAGE-STORAGE-OUTFLOW SUMMARY & ROUTING

APPENDIX E: **DEVELOPED KEY MAP**

EXCERPTS

EXCERPT A: **LINE L STORM DRAIN PLANS**
EXCERPT B: **LINE A (OFFSITE) STORM DRAIN PLANS**

I. PROJECT BACKGROUND AND DESCRIPTION

PURPOSE:

The purpose of this study is to determine the potential drainage impacts for the proposed residential development of Tentative Tract Map 38775. The scope of this study is to analyze the proposed developed drainage patterns for the 10 and 100-year storm events using the Rational Method per the RCFC&WCD Hydrology Manual.

DESCRIPTION:

Acacia Pointe is a proposed residential development in the City of Perris and in the County of Riverside. The development consists of 142 residential units on approximately 11.62 acres along with two basin areas. The property is bounded by Nuevo Avenue to the north, Wilson Avenue to the west, and residential developments to the east and south. See *Section V* for the vicinity map.

PROPOSED DRAINAGE DESIGN CONCEPT:

The project proposes two drainage tributaries, the northern (Area "A") and the southern (Area "B") areas. Runoff from Area "A" drains towards northerly to infiltration basin "A" located along the property line and adjacent to Nuevo Road. The basin is designed to retain the storm water treatment volume and detain the increased runoff before discharging into the existing Line L. Line L is a Master Drainage Plan storm drain located on Nuevo Road and discharges into the Perris Valley Channel. Line L is designed for 100 cfs. The Perris Valley Channel is designed for 18,900 cfs. Line L and the Perris Valley Channel are both designed for the ultimate land use condition. See Figure 2 for annotated figure based on the Perris Valley Master Drainage Plan.

Runoff from Area "B" flows to Basin "B" located at the southeast corner of the property. The required stormwater treatment volume will be retained in the basin and infiltrated while the peak runoff from the developed improvements is detained and mitigated before discharging to Line A (offsite). Line A (offsite) is a storm drain located on Tract 23275 to the east of the project site and is designed to accept 10.3 cfs. Line A (offsite) discharges into the Perris Valley Channel via the Metz Channel. The approximate location of Line A (offsite) is shown in *Section VI*.

This study also included drainage analysis of Area "C" which consists of the offsite area northwest of the project. This area's runoff drains to the southeast corner and is collected via a proposed concrete channel and conveyed northerly. From there the runoff is collected with a proposed inlet and lateral connected to Line L.

Note that two Line A's will be mentioned in this report. Line A refers to an onsite storm drain while Line A (offsite) refers to an existing storm drain located offsite to the east of the project site.

II. HYDROLOGY AND HYDRAULIC METHODOLOGY

The modified rational method for this study was based on the "Riverside County Flood Control and Water Conservation District Hydrology Manual" dated April 1978. Software designed by "CivilDESIGN" of San Bernardino was used to solve the modified rational method drainage models of the site to determine the time of concentration, average runoff index number, the average pervious fraction, and the design flow rates for the proposed drainage conveyance system. For the final version of this study, the results from the rational method will be used to determine the proposed inlet sizes and determine required diameter of the storm water pipelines. The outputs are printed in the Standard Riverside County format and can be found in *Appendix B*.

A. Rainfall:
The computer stores a rainfall database corresponding to Plates D-4.3 and D-4.4 that provides all the required time vs. intensity date for Riverside County.

Storm Event & Duration	Rainfall (inches)
2-Year, 1-Hour	0.45
100-Year, 1-Hour	1.20
Slope of Intensity	0.50

B. Infiltration:
Soil type was based on NRCS Hydraulic Soils Map (HSG=D)

C. Runoff and Routing:
After the "C" value is determined, the computer determines the runoff and routes the flood downstream based on the input model and Plates D-5.5 and D-5.6 as necessary.

Table 1: Rational Method Summary

	Area "A"	Area "B"	Area "C"
Acreage, A	7.20 ac.	4.81 ac.	1.97 ac.
100-Yr Runoff, Q	16.9 cfs	11.0 cfs	3.7 cfs
Time of Concentration, Tc	11.1 min.	10.7 min.	18.6 min.
Area Pervious, Ap	0.338	0.353	1.000
AMC II Runoff Index, RI	75.0	76.0	88.5

SYNTHETIC UNIT HYDROGRAPH METHOD:

The Synthetic Unit Hydrograph, a computational procedure for developing peak runoff and discharge for storms of a specified recurrence interval, was used to evaluate our detention needs onsite. This procedure calculates effective rainfall, which is the portion of the total rainfall that appears as surface runoff, at a specific concentration point. Precipitation data for the project location was taken from RCDC & WCD Plates E-5.1 to E-5.6 respectfully and are provided in *Appendix A.2* of this report.

The 100-year storm frequencies for each of the 1- and 24-hour durations were analyzed for increased runoff mitigation. The hydrographs and basin routing for the 100-year storm events are included to show that the basins can pass the 100-year storm with sufficient capacity.

The following assumptions/guidelines were applied in the use to the Synthetic Unit Hydrograph Method:

- The 2 and 100-Year point rainfall depths at 1- and 24-hour durations were estimated from the RCFC&WCD Precipitation Maps
- Lag times used for the development of the synthetic unit hydrograph were generated based on the size and shape of the sub basin. The watershed sub area lag times were calculated according to the lag time equation as indicated in the RCFC&WCD Hydrology Manual.
- The basin factor (n-value) was estimated based on filed investigations and existing and planned development.
- The Valley S-Curve graph was used for this project site. The 1- and 24-hour, 5-minute interval data were used.
- An area averaged infiltration rate was calculated based on hydrologic soil type, vegetative cover land use and impervious percentage. The "low loss rate" function was then incorporated. The RCFC&WCD Hydrology Manual's synthetic unit hydrograph method includes a "low loss rate" function when calculating effective rainfall (i.e., total rain minus infiltration).

Table 2: Developed Unit Hydrograph Summary

	100-Year			
	1-Hour	**3-Hour**	**6-Hour**	**24-Hour**
Area "A" Peak Runoff, Q	18.2 cfs	11.4 cfs	9.9 cfs	3.7 cfs
Area "B" Peak Runoff, Q	13.2 cfs	7.8 cfs	6.8 cfs	2.5 cfs

The synthetic Unit Hydrograph Method outlined in the RCFC&WCD Hydrology Manual was used to develop runoff hydrographs using "CIVILDESIGN" Engineering Software. This software was also used to route the unit hydrographs through the proposed detention basin onsite.

The following assumptions/guidelines were made in the use of Reservoir Routing:

- The Modified Pul's (Storage Indication) Method is used for the detention basin routing studies. The basin routing relationships are based upon the following formula:

  $I - O = \Delta S/\Delta t$
  I = Basin inflow rate (cfs)
  O = Basin outflow rate (cfs)
  ΔS = Change in basin storage during the time step (cubic feet)
  Δt = time step (sec)

- The basin inflow rates are based on the unit hydrograph files (See Appendix D)
- Depth-Storage-Discharge curve is based on Basin Volume worksheet and Stage Discharge Rating Table (See Appendix D)

- The procedure is repeated for each time step until the basin inflow hydrograph has been completely analyzed and the basin outflow becomes negligible.

Table 3: Basin Routing Analysis Summary

	Basin "A"	**Basin "B"**
100-Yr 1-Hr Peak Inflow, Q	18.2 cfs	13.2 cfs
100-Yr 1-Hr Peak Outflow, Q	4.6 cfs	5.4 cfs
Max. Ponded Depth	2.86 ft	2.12 ft
Max. W.S.E.	1417.86	1418.12
Freeboard	4.14 ft	3.88 ft

III. CONCLUSIONS

This study evaluated the proposed residential development to assess the hydrology and hydraulics of the project site. The following has been concluded:

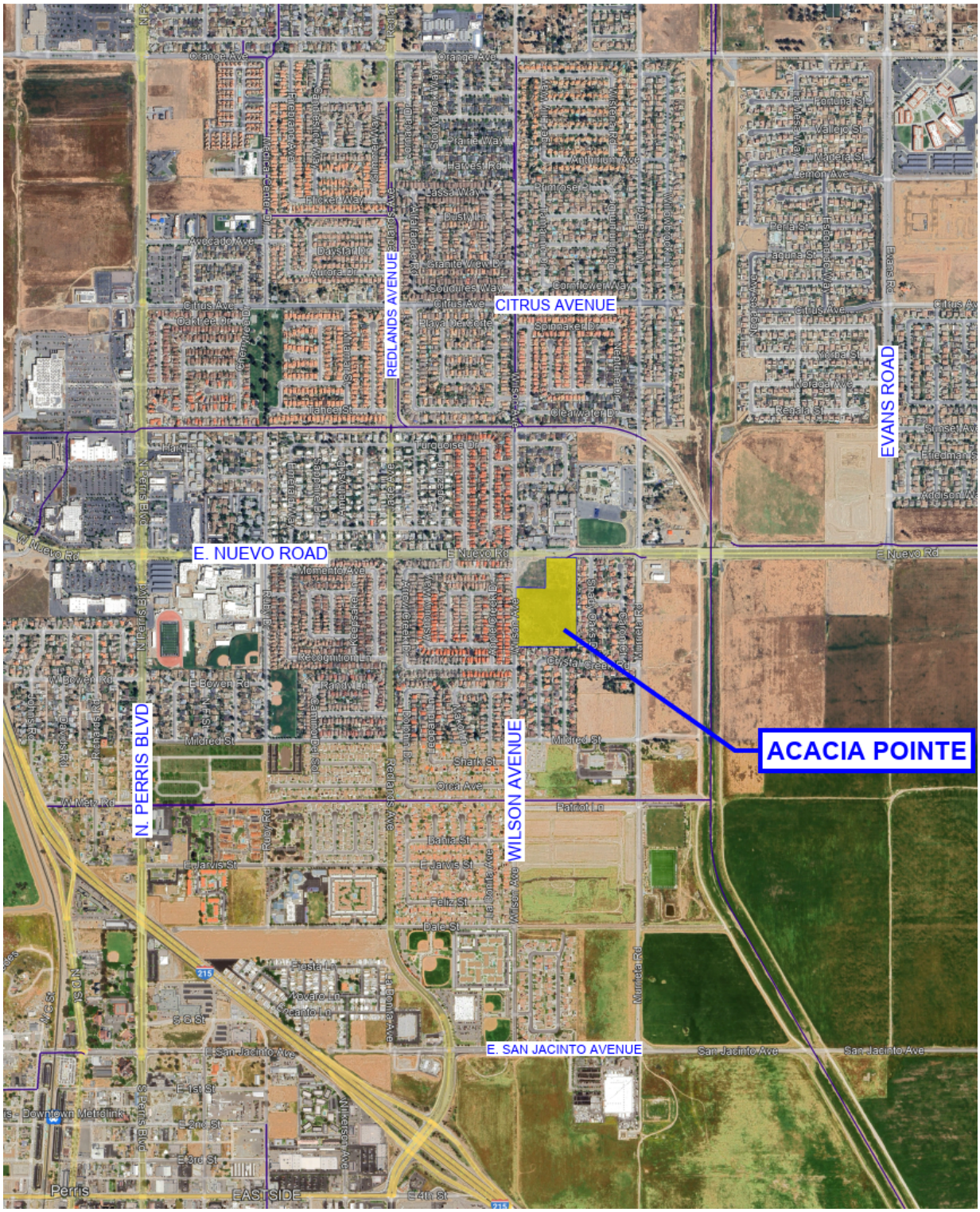
1. Two infiltration basins will be required to treat for water quality.
2. Mitigation for increased runoff is not required since the project discharges into the Perris Valley Channel.
3. The storm drain systems are sized such that they convey flows to the basins and provide flood protection. Catch basins are located such that they provide flood protection.

IV. REFERENCES

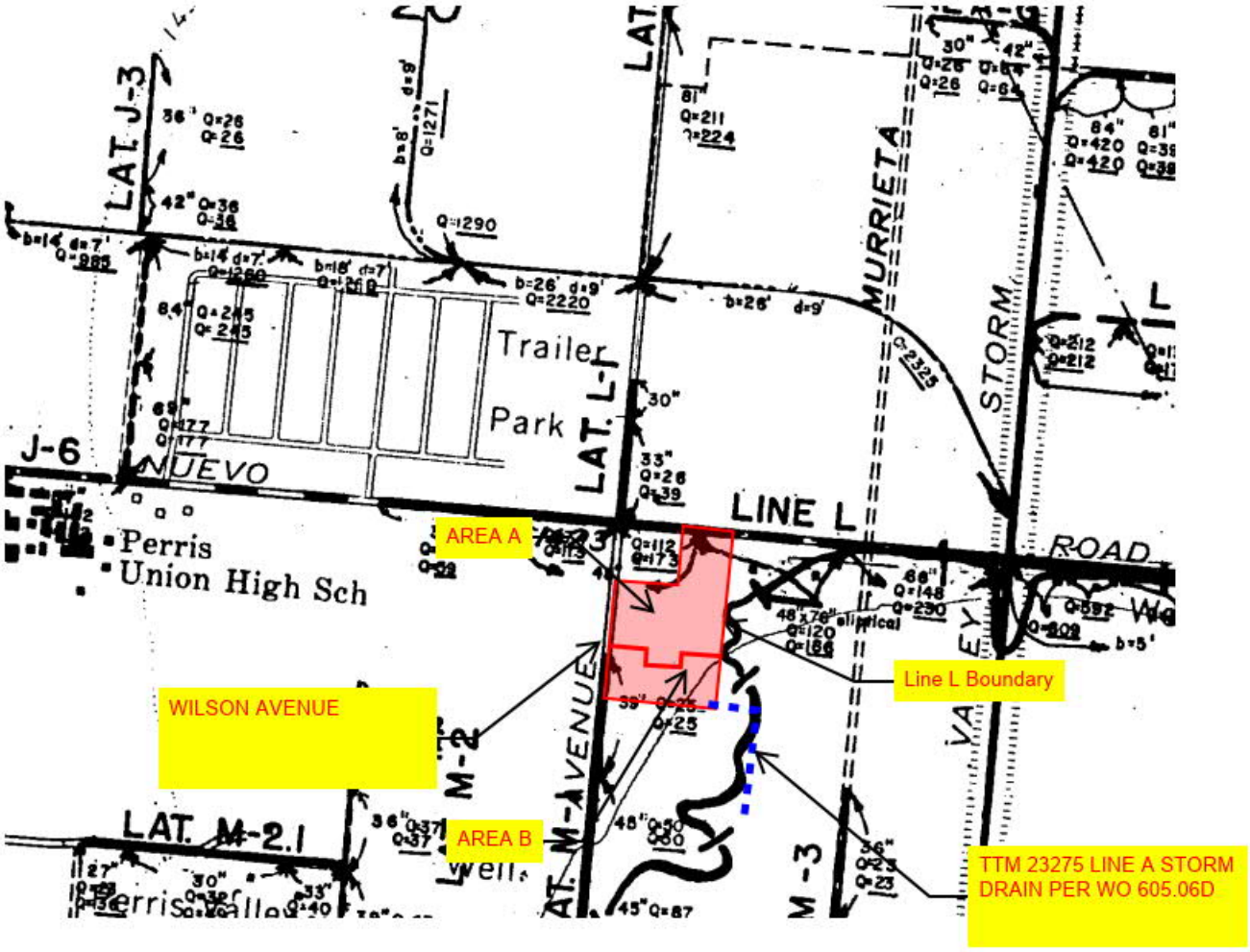
1. Riverside County Flood Control and Water Conservation District Hydrology Manual, April 1978.

2. Final Hydrology & Hydraulics Study for Acacia, TTM 31651, prepared by JLC Engineering & Consulting Inc, November 1, 2021.

V. VICINITY MAP



VI. DRAINAGE FACILITIES MAP



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT PLATES & REFERENCE MAPS ..... A

- A.1 - NRCS HYDRAULIC SOILS MAP
- A.2 - RCFC & WCD PRECIPITATION MAPS
- A.3 - SLOPE OF INTENSITY DURATION CURVE (PLATE D-4.6)

117° 13' 26" W
117° 11' 52" W
33° 48' 20" N
33° 47' 37" N
479400
479600
479800
480000
480200
480400
480600
480800
481000
481200
481400
481600
3740600
3740400
3740200
3740000
3739800
3739600
3739400

Dw
Dt
Dv
W
APPROX. PROJECT SITE
Sunset Ave
Evans Rd
Driveway
Murrieta Rd
Topaz Dr
Emerald Way
Opal Dr
Nuevo
E Nuevo Rd
Geary
Shady Oaks Dr
Wilson Ave
Recognition Ln
Cherry Vista Dr
N Ramona Dr
Calle Del Alba
Leopard Ln
Mildred St
Shark St
Camino De La Luna
Soil Map may not be valid at this scale.

Map Scale: 1:6,510 if printed on B landscape (17" x 11") sheet.
N
Meters
0 50 100 200 300
Feet
0 300 600 1200 1800
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Soil Rating Lines

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Soil Rating Points

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Western Riverside Area, California
Survey Area Data: Version 13, May 27, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 25, 2019—Jun 25, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Dt	Domino fine sandy loam, saline-alkali	D	39.2	12.4%
Dv	Domino silt loam, saline-alkali	D	228.3	72.1%
Dw	Domino silt loam, strongly saline-alkali	D	42.5	13.4%
W	Water		6.5	2.1%
Totals for Area of Interest			**316.5**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

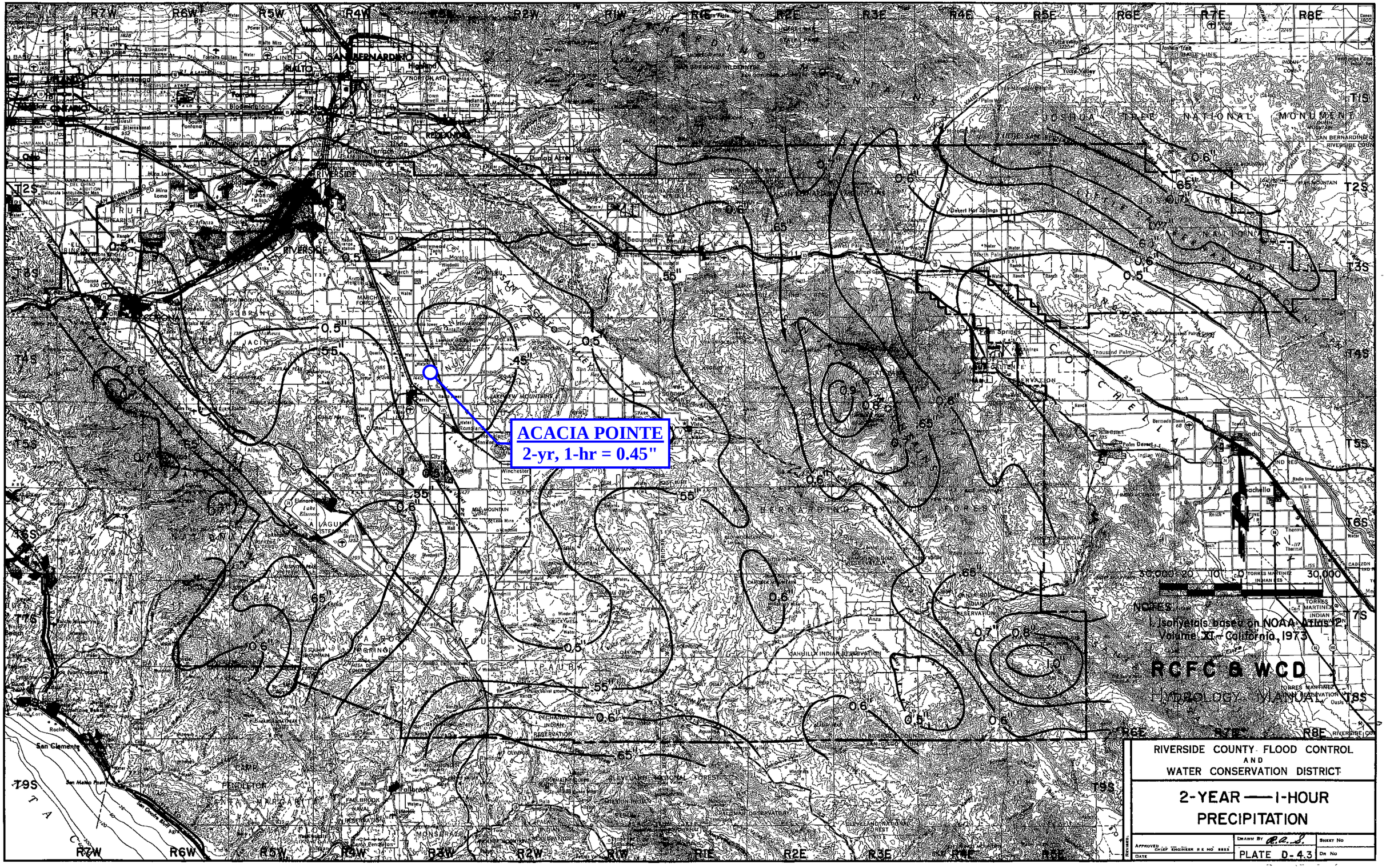
If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher


ACACIA POINTE
2-yr, 1-hr = 0.45"
NOTES
Isohyetals based on NOAA Atlas 2, Volume XI - California, 1973
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
2-YEAR — 1-HOUR PRECIPITATION
PLATE D-4.3

ACACIA POINTE
100-yr, 1-hr = 1.20"

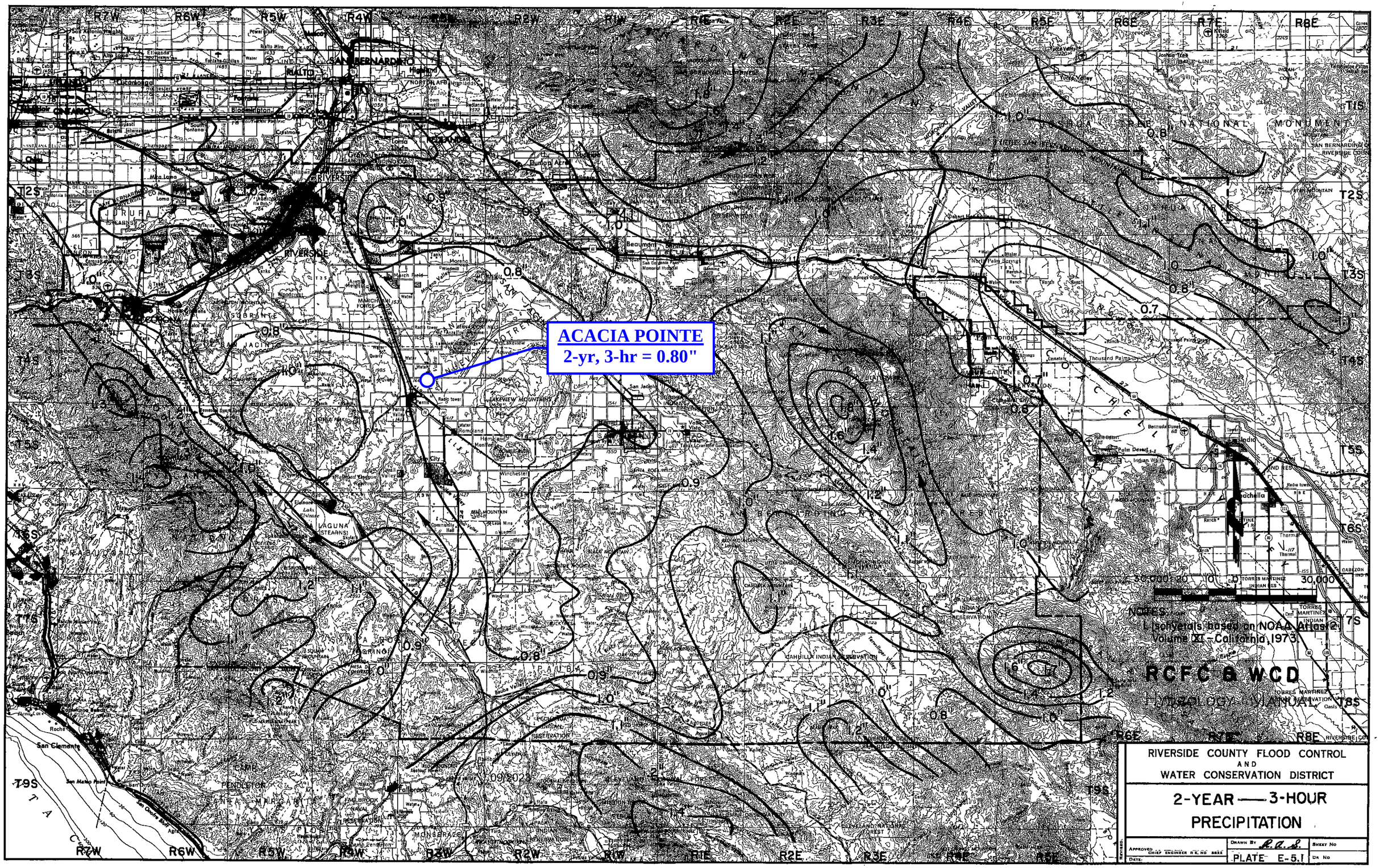
NOTES:
1. Isohyetals based on NOAA Atlas 2, Volume XI - California, 1973

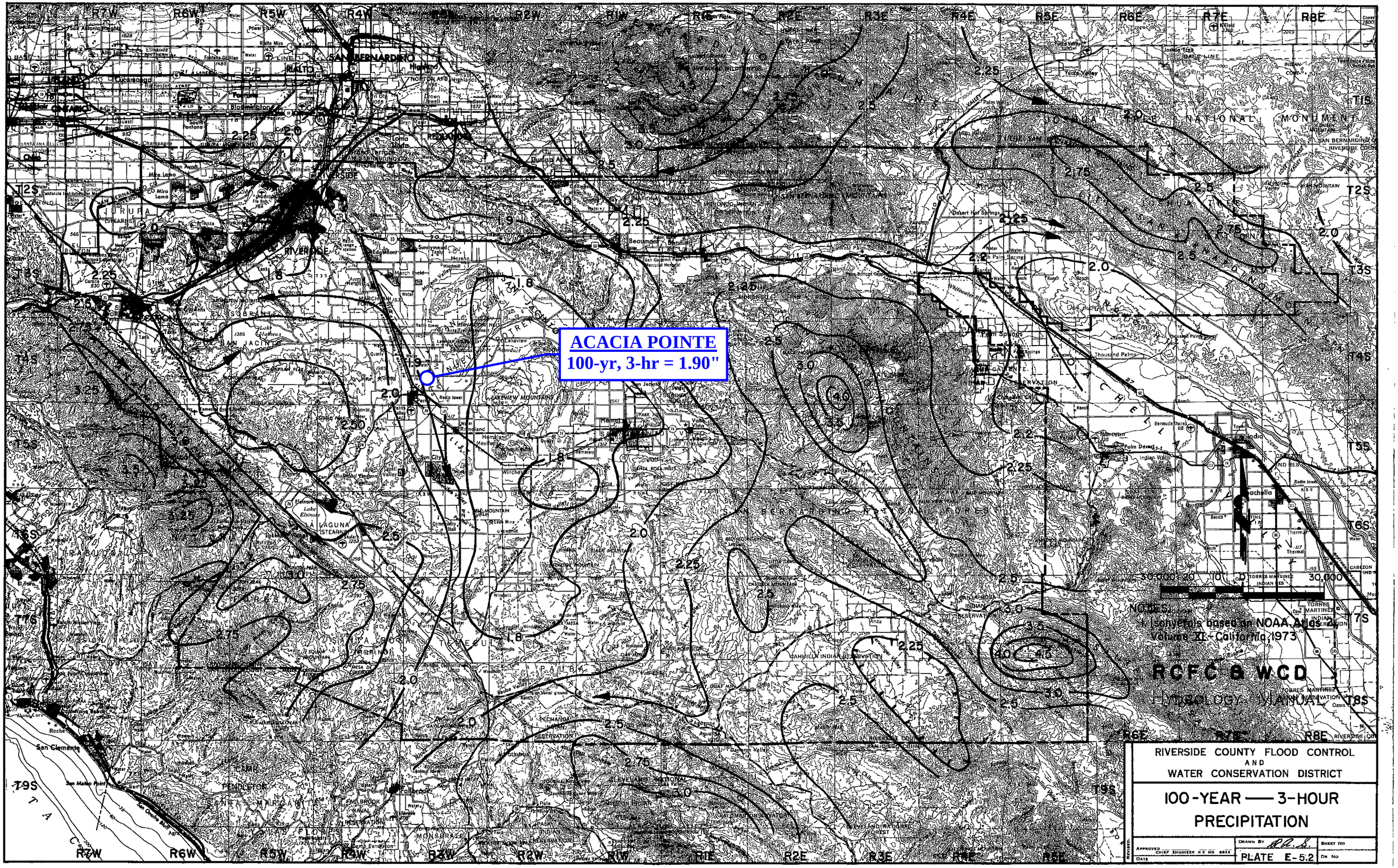
RCFC & WCD
HYDROLOGY MANUAL

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

100-YEAR — 1-HOUR PRECIPITATION

APPROVED: CHIEF ENGINEER R.E. NO. 6822 DATE	DRAWN BY: A.A.L.	SHEET NO
	PLATE D-4.4	DR NO


ACACIA POINTE
2-yr, 3-hr = 0.80"
RIVERSIDE
SAN BERNARDINO
RIALTO
COLTON
LOMA LINDA
MORENO
PERRIS
HEMET
SAN JACINTO
BEAUMONT
BANNING
CALIMESA
CORONA
NORCO
MARCH AFB
NORTON AFB
SAN JACINTO MOUNTAINS
SAN GORGONIO MOUNTAIN
SAN BERNARDINO MOUNTAINS
LAKEVIEW MOUNTAINS
SAN JACINTO PEAK
JOSHUA TREE NATIONAL MONUMENT
PALM SPRINGS
CATHEDRAL CITY
RANCHO MIRAGE
PALM DESERT
INDIAN WELLS
LA QUINTA
INDIO
COACHELLA
CABAZON
MORONGO INDIAN RESERVATION
AGUA CALIENTE INDIAN RESERVATION
CAHUILLA INDIAN RESERVATION
TORRES MARTINEZ INDIAN RESERVATION
SAN JACINTO WILDLIFE AREA
SAN JACINTO RIVER
SANTA ANA RIVER
SANTA MARGARITA RIVER
CAMP PENDLETON
FALLBROOK
VISTA
SAN CLEMENTE
SAN MATEO POINT
SAN ONOFRE BLUFF
R7W R6W R5W R4W R3W R2W R1W R1E R2E R3E R4E R5E R6E R7E R8E
T5S T4S T3S T2S T1S 1N 2N 3N 4N 5N 6N 7N T5S T6S T7S
30,000 0 30,000
Notes:
Isohyetals based on NOAA Atlas 2
Volume XI - California, 1973.
RCFC & WCD
HYDROLOGY MANUAL
09/2022
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
2-YEAR — 3-HOUR PRECIPITATION
APPROVED CHIEF ENGINEER R.E. NO. 6822
DATE:
DRAWN BY R.A.S.
SHEET NO
PLATE E-5.1
DR NO
REVISED:


ACACIA POINTE
100-yr, 3-hr = 1.90"
NOTES:
1. Isohyetals based on NOAA Atlas 2
Volume XI - California, 1973
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT
100-YEAR — 3-HOUR
PRECIPITATION
PLATE E-5.2

ACACIA POINTE
2-yr, 6-hr = 1.0"

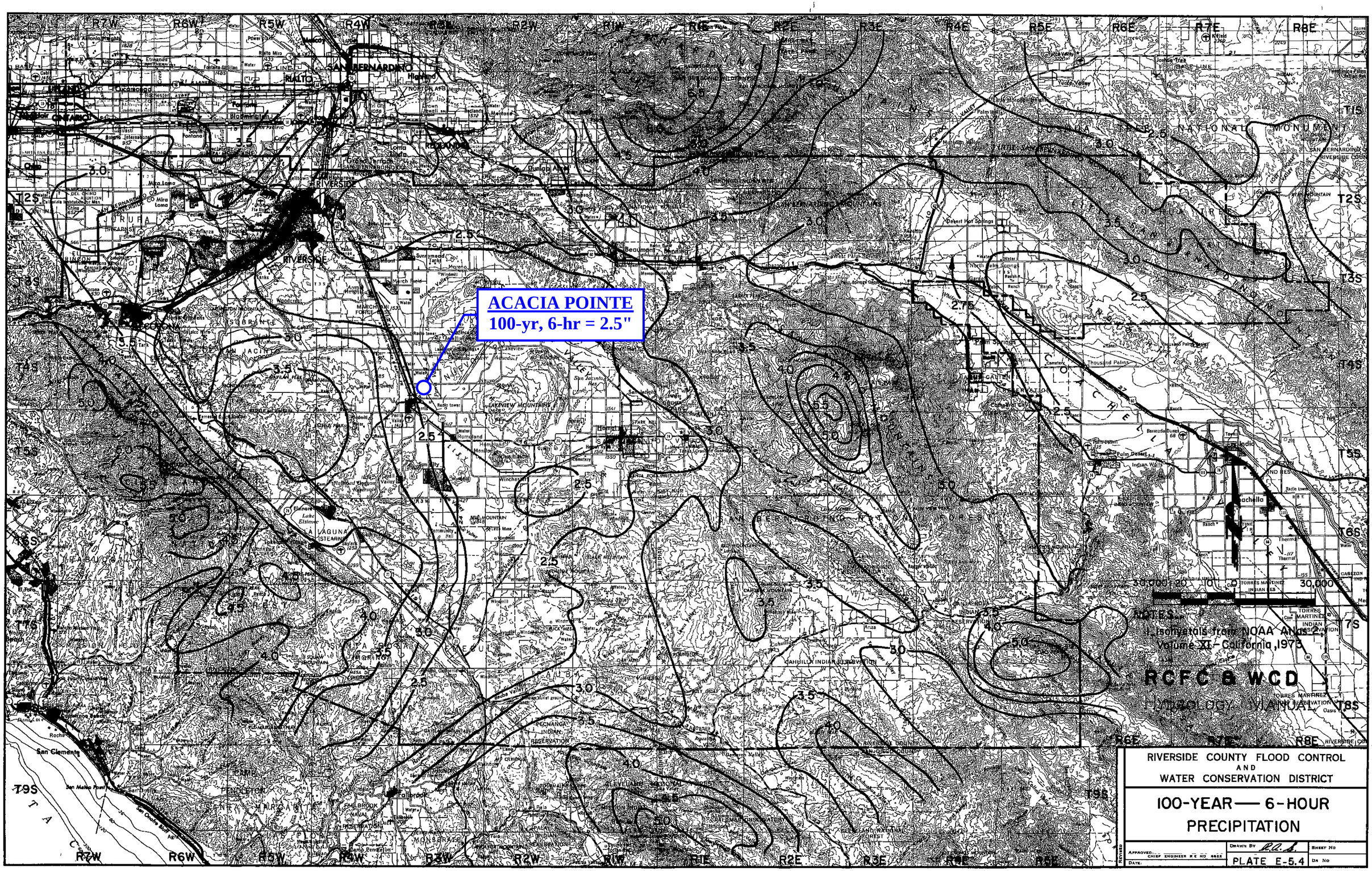
NOTES:
1. Isohyetals from NOAA Atlas 2, Volume XI - California, 1973

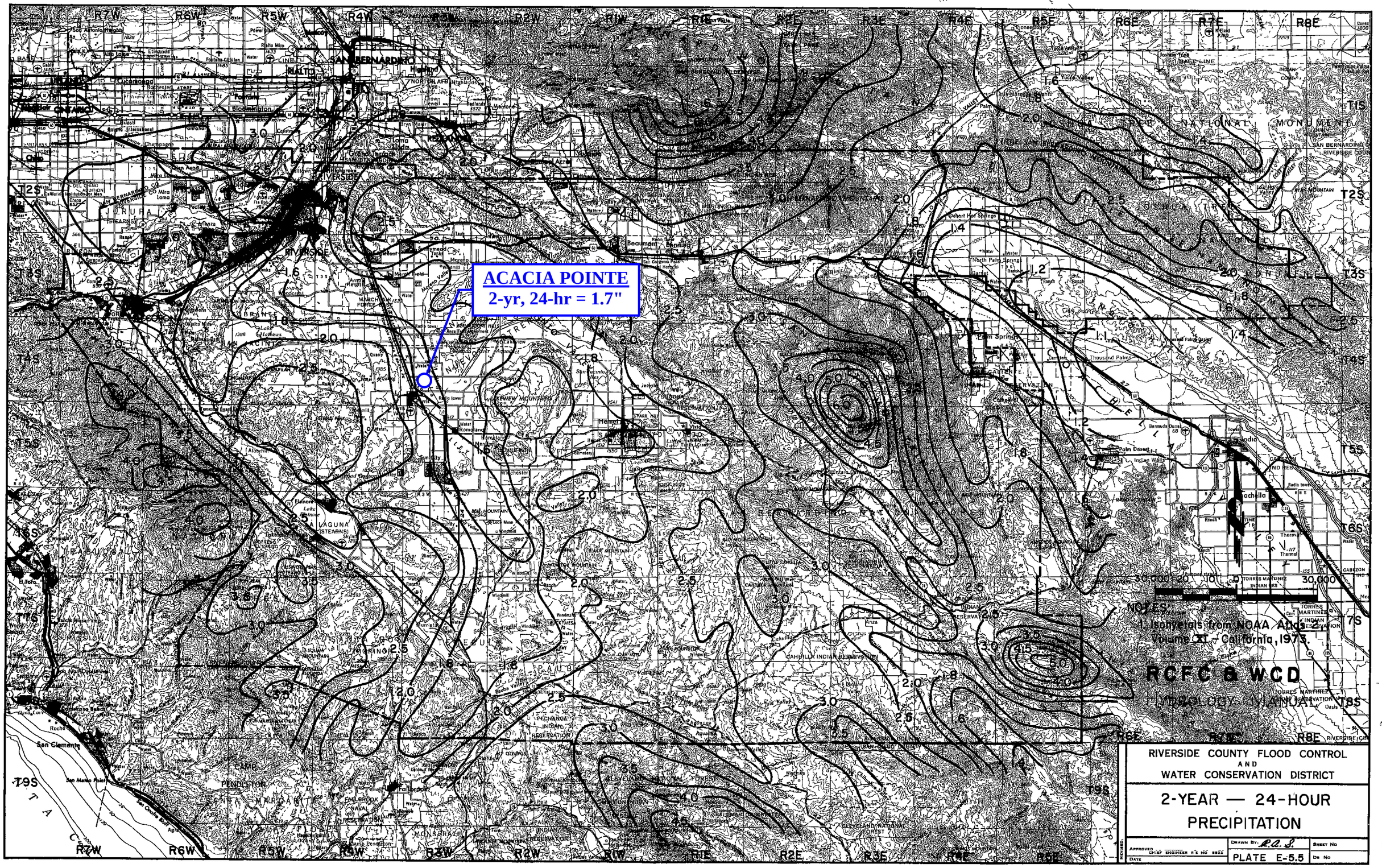
RCFC & WCD
HYDROLOGY MANUAL

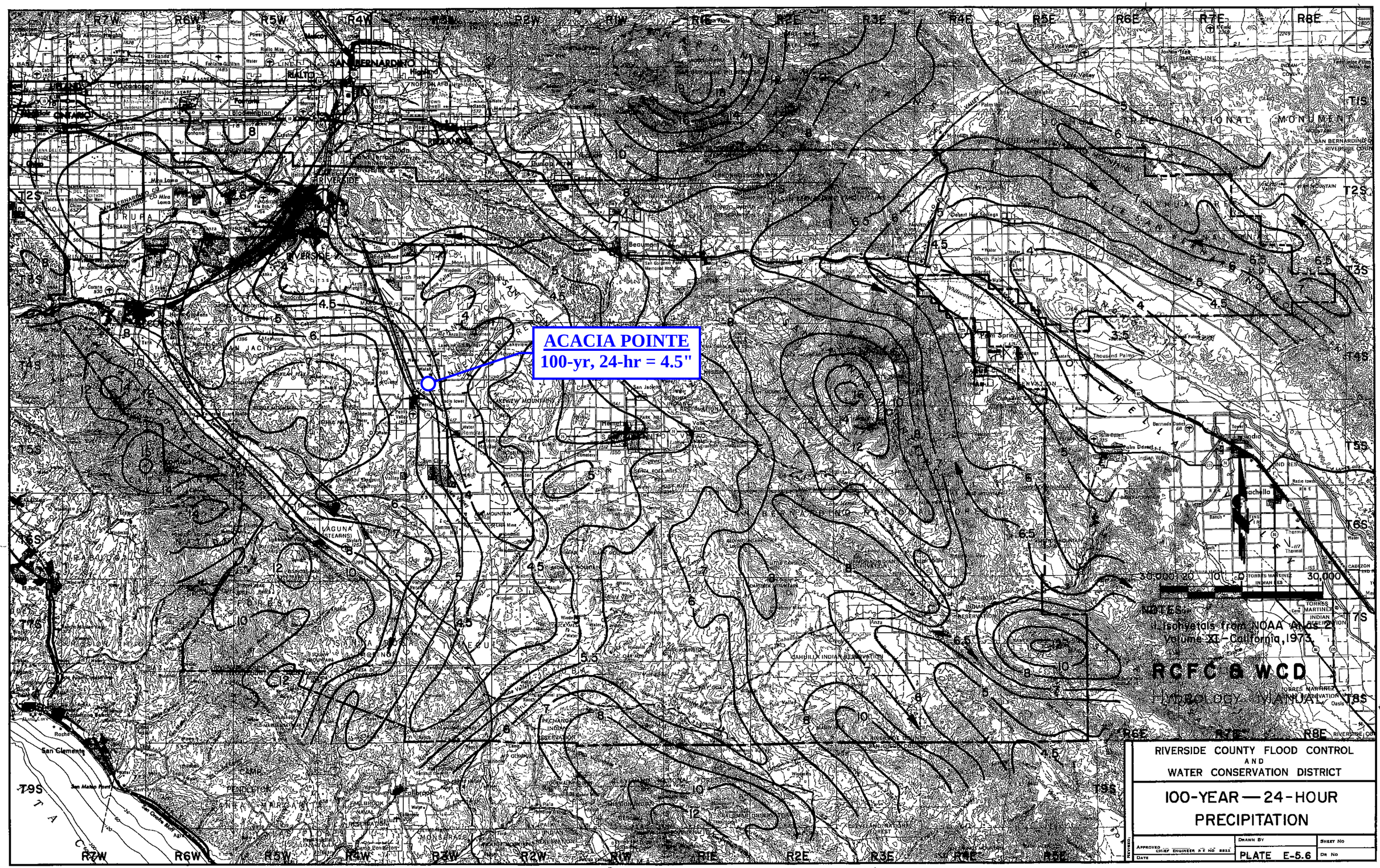
RIVERSIDE COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT

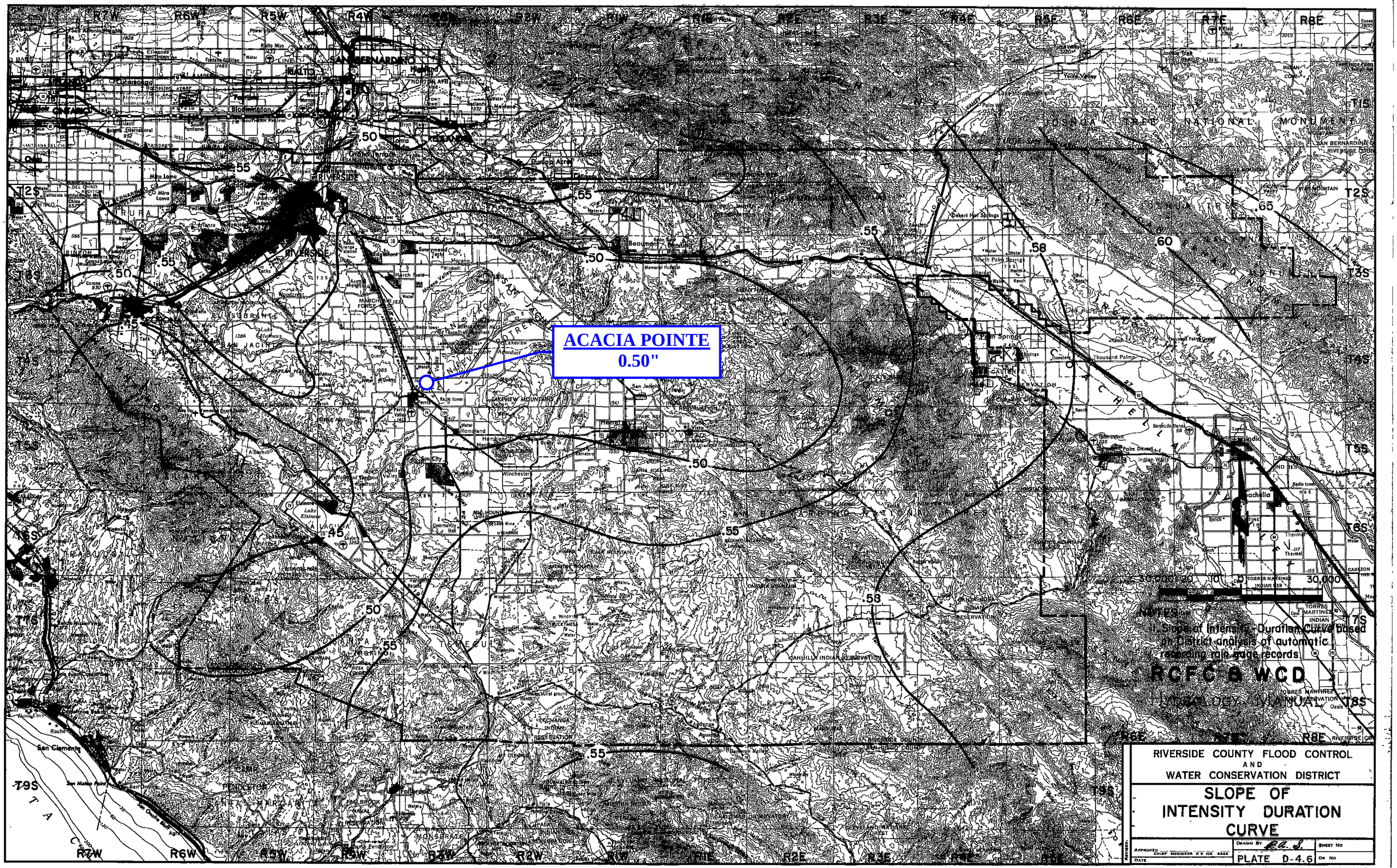
2-YEAR — 6-HOUR PRECIPITATION

APPROVED CHIEF ENGINEER R.E. NO. 6822	DRAWN BY:	SHEET NO
DATE:	PLATE E-5.3	DR NO


ACACIA POINTE
100-yr, 6-hr = 2.5"
RIVERSIDE
SAN BERNARDINO
RIALTO
COLTON
LOMA LINDA
MORENO VALLEY
PERRIS
HEMET
SAN JACINTO
CORONA
NORCO
BEAUMONT
BANNING
PALM SPRINGS
CATHEDRAL CITY
INDIO
COACHELLA
LA QUINTA
SAN CLEMENTE
FALLBROOK
TEMECULA
MURRIETA
LAKE ELSINORE
SANTA ANA MOUNTAINS
SAN JACINTO MOUNTAINS
SAN JACINTO PEAK
SAN GORGONIO MOUNTAIN
JOSHUA TREE NATIONAL MONUMENT
SANTA ROSA MOUNTAINS
SAN JACINTO WILDERNESS
SAN BERNARDINO NATIONAL FOREST
CAHUILLA INDIAN RESERVATION
MORONGO INDIAN RESERVATION
SOBOBA INDIAN RESERVATION
AGUANGA INDIAN RESERVATION
TORRES MARTINEZ INDIAN RESERVATION
SALTON SEA
Isohyetals from NOAA Atlas 2, Volume XI - California, 1973
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
100-YEAR — 6-HOUR PRECIPITATION
DRAWN BY R.C.S.
PLATE E-5.4


ACACIA POINTE
2-yr, 24-hr = 1.7"
SAN BERNARDINO
RIVERSIDE
RIALTO
NORTON AFB
MARCH AFB
SAN JACINTO MOUNTAINS
SAN JACINTO WILDERNESS
SAN GORGONIO WILDERNESS
SAN BERNARDINO MOUNTAINS
SAN JACINTO PEAK
SAN GORGONIO MOUNTAIN
JOSHUA TREE NATIONAL MONUMENT
Palm Springs
Desert Hot Springs
Cabazon
Indio
Coachella
Thermal
Mecca
Oasis
Salton Sea
Elsinore
Lake Elsinore
Temescal Canyon
Corona
Norco
Jurupa
Colton
Loma Linda
Redlands
Yucaipa
Beaumont
Banning
San Jacinto
Hemet
Winchester
Sun City
Perris
Lake Mathews
Lake Perris
Lake Skinner
Vail Lake
Temecula
Murrieta
Wildomar
Lake Elsinore
Canyon Lake
Menifee
Romoland
Homeland
Quail Valley
Moreno Valley
Mead Valley
Woodcrest
Riverside
Rubidoux
Jurupa Valley
Mira Loma
Ontario
Chino
Chino Hills
Pomona
Claremont
Upland
Rancho Cucamonga
Fontana
Rialto
Bloomington
Highland
Grand Terrace
Colton
Loma Linda
Redlands
Yucaipa
Calimesa
Cherry Valley
Beaumont
Banning
San Jacinto
Hemet
Winchester
Sun City
Menifee
Perris
Lake Elsinore
Canyon Lake
Murrieta
Wildomar
Temecula
Aguanga
Anza
Idyllwild
Pine Cove
Mountain Center
Cahuilla Indian Reservation
Pechanga Indian Reservation
Soboba Indian Reservation
Morongo Indian Reservation
Agua Caliente Indian Reservation
Torres Martinez Indian Reservation
Twenty-nine Palms
Yucca Valley
Joshua Tree
Thousand Palms
Indian Wells
Bermuda Dunes
Palm Desert
Rancho Mirage
Cathedral City
Desert Hot Springs
North Palm Springs
Whitewater
Garnet
Edom Hill
Dillon
Box Canyon
Indian Canyons
Whitewater Canyon
Snow Creek
Windy Point
Windmill
Windy Valley
Windy Hill
Windy Ridge
Windy Gap
Windy Peak
Windy Flat
Windy Creek


ACACIA POINTE
100-yr, 24-hr = 4.5"
NOTES:
1. Isohyetals from NOAA Atlas 2
Volume XI - California, 1973.
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT
100-YEAR — 24-HOUR
PRECIPITATION
APPROVED CHIEF ENGINEER R.C.F.C. & W.C.D.
DATE
DRAWN BY
PLATE E-5.6
SHEET NO
DR NO
REVISED


ACACIA POINTE
0.50"
.50
.55
.45
.58
.60
.65
NOTES
1. Slope of Intensity-Duration Curve based on District analysis of automatic recording rain gage records
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
SLOPE OF INTENSITY DURATION CURVE
PLATE D-4.6

DEVELOPED RATIONAL METHOD MODELS ..... B

- B.1 – RATIONAL METHOD ANALYSIS, AREA "A"
- B.2 – RATIONAL METHOD ANALYSIS, AREA "B"
- B.3 – RATIONAL METHOD ANALYSIS, AREA "C"

B.1 – RATIONAL METHOD ANALYSIS, 100-YEAR AREA "A"

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2018 Version 9.0
Rational Hydrology Study Date: 09/11/23 File:ADEV100.out

ACACIA POINTE
DEVELOPED RATIONAL METHOD ANALYSIS
AREA A
100-YEAR

********* Hydrology Study Control Information **********

English (in-lb) Units used in input data file

Program License Serial Number 6545

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation = 0.450(In.)
100 year, 1 hour precipitation = 1.200(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity = 1.200(In/Hr)
Slope of intensity duration curve = 0.5000

++

Process from Point/Station 100.000 to Point/Station 101.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 317.000(Ft.)
Top (of initial area) elevation = 1425.700(Ft.)
Bottom (of initial area) elevation = 1422.000(Ft.)
Difference in elevation = 3.700(Ft.)
Slope = 0.01167 s(percent)= 1.17
TC = k(0.323)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 7.874 min.
Rainfall intensity = 3.313(In/Hr) for a 100.0 year storm
APARTMENT subarea type

```
Runoff Coefficient = 0.879
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2)  =  75.00
Pervious area fraction =  0.200; Impervious fraction =  0.800
Initial subarea runoff =      2.008(CFS)
Total initial stream area =        0.690(Ac.)
Pervious area fraction = 0.200


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      101.000 to Point/Station      102.000
**** PIPEFLOW TRAVEL TIME (User specified size) ****
______________________________________________________________________________
Upstream point/station elevation =  1418.000(Ft.)
Downstream point/station elevation =  1417.600(Ft.)
Pipe length  =    42.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     2.008(CFS)
Given pipe size =     24.00(In.)
Calculated individual pipe flow  =     2.008(CFS)
Normal flow depth in pipe =    4.89(In.)
Flow top width inside pipe =   19.34(In.)
Critical Depth =    5.89(In.)
Pipe flow velocity =      4.37(Ft/s)
Travel time through pipe =    0.16 min.
Time of concentration (TC) =     8.03 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      101.000 to Point/Station      102.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      0.690(Ac.)
Runoff from this stream =      2.008(CFS)
Time of concentration =    8.03 min.
Rainfall intensity =     3.279(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      103.000 to Point/Station      104.000
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   321.000(Ft.)
Top (of initial area) elevation =  1425.700(Ft.)
Bottom (of initial area) elevation =  1422.000(Ft.)
Difference in elevation =     3.700(Ft.)
Slope =    0.01153  s(percent)=       1.15
```

```
TC = k(0.323)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    7.934 min.
Rainfall intensity =      3.300(In/Hr) for a   100.0 year storm
APARTMENT subarea type
Runoff Coefficient = 0.879
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2)  =  75.00
Pervious area fraction =  0.200; Impervious fraction =  0.800
Initial subarea runoff =      2.146(CFS)
Total initial stream area =        0.740(Ac.)
Pervious area fraction = 0.200


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      104.000 to Point/Station      102.000
**** PIPEFLOW TRAVEL TIME (User specified size) ****
________________________________________________________________________
Upstream point/station elevation =  1417.900(Ft.)
Downstream point/station elevation =  1417.600(Ft.)
Pipe length  =    44.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     2.146(CFS)
Given pipe size =     18.00(In.)
Calculated individual pipe flow  =     2.146(CFS)
Normal flow depth in pipe =    6.10(In.)
Flow top width inside pipe =   17.04(In.)
Critical Depth =    6.64(In.)
Pipe flow velocity =      4.07(Ft/s)
Travel time through pipe =    0.18 min.
Time of concentration (TC) =     8.11 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      104.000 to Point/Station      102.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      0.740(Ac.)
Runoff from this stream =      2.146(CFS)
Time of concentration =    8.11 min.
Rainfall intensity =     3.263(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1        2.008      8.03                3.279
2        2.146      8.11                3.263
```

```
Largest stream flow has longer time of concentration
Qp =      2.146 + sum of
          Qb         Ia/Ib
           2.008 *    0.995 =      1.999
Qp =      4.144

Total of 2 main streams to confluence:
Flow rates before confluence point:
       2.008       2.146
Area of streams before confluence:
        0.690        0.740


Results of confluence:
Total flow rate =      4.144(CFS)
Time of concentration =     8.114 min.
Effective stream area after confluence  =      1.430(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      102.000 to Point/Station      105.000
**** PIPEFLOW TRAVEL TIME (User specified size) ****
________________________________________________________________________
Upstream point/station elevation =  1417.600(Ft.)
Downstream point/station elevation =  1416.700(Ft.)
Pipe length  =   278.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     4.144(CFS)
Given pipe size =     24.00(In.)
Calculated individual pipe flow  =     4.144(CFS)
Normal flow depth in pipe =    9.36(In.)
Flow top width inside pipe =   23.41(In.)
Critical Depth =    8.57(In.)
Pipe flow velocity =      3.65(Ft/s)
Travel time through pipe =    1.27 min.
Time of concentration (TC) =     9.38 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      102.000 to Point/Station      105.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      1.430(Ac.)
Runoff from this stream =      4.144(CFS)
Time of concentration =    9.38 min.
Rainfall intensity =     3.035(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      106.000 to Point/Station      107.000
```

```
**** INITIAL AREA EVALUATION ****
------------------------------------------------------------------------
Initial area flow distance =   246.000(Ft.)
Top (of initial area) elevation =  1424.300(Ft.)
Bottom (of initial area) elevation =  1423.200(Ft.)
Difference in elevation =     1.100(Ft.)
Slope =    0.00447  s(percent)=       0.45
TC = k(0.323)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.620 min.
Rainfall intensity =      3.166(In/Hr) for a   100.0 year storm
APARTMENT subarea type
Runoff Coefficient = 0.878
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2)  =  75.00
Pervious area fraction =  0.200; Impervious fraction =  0.800
Initial subarea runoff =      1.640(CFS)
Total initial stream area =        0.590(Ac.)
Pervious area fraction = 0.200


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      107.000 to Point/Station      105.000
**** PIPEFLOW TRAVEL TIME (User specified size) ****
------------------------------------------------------------------------
Upstream point/station elevation =  1419.200(Ft.)
Downstream point/station elevation =  1416.700(Ft.)
Pipe length  =    25.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     1.640(CFS)
Given pipe size =     18.00(In.)
Calculated individual pipe flow  =     1.640(CFS)
Normal flow depth in pipe =    2.72(In.)
Flow top width inside pipe =   12.89(In.)
Critical Depth =    5.77(In.)
Pipe flow velocity =      9.76(Ft/s)
Travel time through pipe =    0.04 min.
Time of concentration (TC) =     8.66 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      107.000 to Point/Station      105.000
**** CONFLUENCE OF MAIN STREAMS ****
------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      0.590(Ac.)
Runoff from this stream =      1.640(CFS)
Time of concentration =    8.66 min.
Rainfall intensity =     3.158(In/Hr)
Program is now starting with Main Stream No. 3
```

```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      108.000 to Point/Station      109.000
**** INITIAL AREA EVALUATION ****
_____________________________________________________________________________
Initial area flow distance =   240.000(Ft.)
Top (of initial area) elevation =  1426.000(Ft.)
Bottom (of initial area) elevation =  1423.200(Ft.)
Difference in elevation =     2.800(Ft.)
Slope =    0.01167  s(percent)=       1.17
TC = k(0.323)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    7.045 min.
Rainfall intensity =      3.502(In/Hr) for a   100.0 year storm
APARTMENT subarea type
Runoff Coefficient = 0.880
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2)  =  75.00
Pervious area fraction =  0.200; Impervious fraction =  0.800
Initial subarea runoff =      2.896(CFS)
Total initial stream area =        0.940(Ac.)
Pervious area fraction = 0.200


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      109.000 to Point/Station      105.000
**** PIPEFLOW TRAVEL TIME (User specified size) ****
_____________________________________________________________________________
Upstream point/station elevation =  1416.900(Ft.)
Downstream point/station elevation =  1416.700(Ft.)
Pipe length  =    18.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     2.896(CFS)
Given pipe size =     18.00(In.)
Calculated individual pipe flow  =     2.896(CFS)
Normal flow depth in pipe =    6.28(In.)
Flow top width inside pipe =   17.16(In.)
Critical Depth =    7.75(In.)
Pipe flow velocity =      5.27(Ft/s)
Travel time through pipe =    0.06 min.
Time of concentration (TC) =     7.10 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      109.000 to Point/Station      105.000
**** CONFLUENCE OF MAIN STREAMS ****
_____________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 3
Stream flow area =      0.940(Ac.)
```

```
Runoff from this stream =      2.896(CFS)
Time of concentration =    7.10 min.
Rainfall intensity =     3.488(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1        4.144      9.38                3.035
2        1.640      8.66                3.158
3        2.896      7.10                3.488
Largest stream flow has longer time of concentration
Qp =      4.144 + sum of
          Qb         Ia/Ib
           1.640 *    0.961 =      1.576
          Qb         Ia/Ib
           2.896 *    0.870 =      2.519
Qp =      8.239

Total of 3 main streams to confluence:
Flow rates before confluence point:
       4.144       1.640       2.896
Area of streams before confluence:
        1.430        0.590        0.940


Results of confluence:
Total flow rate =      8.239(CFS)
Time of concentration =     9.383 min.
Effective stream area after confluence  =      2.960(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      105.000 to Point/Station      110.000
**** PIPEFLOW TRAVEL TIME (User specified size) ****
________________________________________________________________________
Upstream point/station elevation =  1416.700(Ft.)
Downstream point/station elevation =  1415.800(Ft.)
Pipe length  =   297.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     8.239(CFS)
Given pipe size =     30.00(In.)
Calculated individual pipe flow  =     8.239(CFS)
Normal flow depth in pipe =   12.54(In.)
Flow top width inside pipe =   29.59(In.)
Critical Depth =   11.46(In.)
Pipe flow velocity =      4.24(Ft/s)
Travel time through pipe =    1.17 min.
Time of concentration (TC) =    10.55 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
```

```
Process from Point/Station      105.000 to Point/Station      110.000
**** CONFLUENCE OF MAIN STREAMS ****
____________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      2.960(Ac.)
Runoff from this stream =      8.239(CFS)
Time of concentration =   10.55 min.
Rainfall intensity =     2.862(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      214.000 to Point/Station      111.000
**** INITIAL AREA EVALUATION ****
____________________________________________________________________________
Initial area flow distance =   530.000(Ft.)
Top (of initial area) elevation =  1426.000(Ft.)
Bottom (of initial area) elevation =  1423.600(Ft.)
Difference in elevation =     2.400(Ft.)
Slope =    0.00453  s(percent)=       0.45
TC = k(0.323)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   11.688 min.
Rainfall intensity =      2.719(In/Hr) for a   100.0 year storm
APARTMENT subarea type
Runoff Coefficient = 0.875
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2)  =  75.00
Pervious area fraction =  0.200; Impervious fraction =  0.800
Initial subarea runoff =      3.829(CFS)
Total initial stream area =        1.610(Ac.)
Pervious area fraction = 0.200


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      111.000 to Point/Station      110.000
**** PIPEFLOW TRAVEL TIME (User specified size) ****
____________________________________________________________________________
Upstream point/station elevation =  1419.600(Ft.)
Downstream point/station elevation =  1415.800(Ft.)
Pipe length  =    24.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     3.829(CFS)
Given pipe size =     18.00(In.)
Calculated individual pipe flow  =     3.829(CFS)
Normal flow depth in pipe =    3.68(In.)
Flow top width inside pipe =   14.52(In.)
Critical Depth =    8.99(In.)
Pipe flow velocity =     14.74(Ft/s)
Travel time through pipe =    0.03 min.
```

```
Time of concentration (TC) =    11.71 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      111.000 to Point/Station      110.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      1.610(Ac.)
Runoff from this stream =      3.829(CFS)
Time of concentration =   11.71 min.
Rainfall intensity =     2.716(In/Hr)
Program is now starting with Main Stream No. 3


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      112.000 to Point/Station      113.000
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   200.000(Ft.)
Top (of initial area) elevation =  1424.000(Ft.)
Bottom (of initial area) elevation =  1423.600(Ft.)
Difference in elevation =     0.400(Ft.)
Slope =    0.00200  s(percent)=       0.20
TC = k(0.323)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.320 min.
Rainfall intensity =      3.045(In/Hr) for a   100.0 year storm
APARTMENT subarea type
Runoff Coefficient = 0.877
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2)  =  75.00
Pervious area fraction =  0.200; Impervious fraction =  0.800
Initial subarea runoff =      2.590(CFS)
Total initial stream area =        0.970(Ac.)
Pervious area fraction = 0.200


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      113.000 to Point/Station      110.000
**** PIPEFLOW TRAVEL TIME (User specified size) ****
______________________________________________________________________________
Upstream point/station elevation =  1416.000(Ft.)
Downstream point/station elevation =  1415.800(Ft.)
Pipe length  =    21.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     2.590(CFS)
Given pipe size =     18.00(In.)
Calculated individual pipe flow  =     2.590(CFS)
Normal flow depth in pipe =    6.17(In.)
```

```
Flow top width inside pipe =   17.09(In.)
Critical Depth =    7.31(In.)
Pipe flow velocity =      4.84(Ft/s)
Travel time through pipe =    0.07 min.
Time of concentration (TC) =     9.39 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      113.000 to Point/Station      110.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 3
Stream flow area =      0.970(Ac.)
Runoff from this stream =      2.590(CFS)
Time of concentration =    9.39 min.
Rainfall intensity =     3.033(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1        8.239     10.55                 2.862
2        3.829     11.71                 2.716
3        2.590      9.39                 3.033
Largest stream flow has longer or shorter time of concentration
Qp =      8.239 + sum of
          Qa          Tb/Ta
           3.829 *    0.901 =      3.448
          Qb         Ia/Ib
           2.590 *    0.944 =      2.444
Qp =     14.132

Total of 3 main streams to confluence:
Flow rates before confluence point:
       8.239       3.829       2.590
Area of streams before confluence:
        2.960        1.610        0.970


Results of confluence:
Total flow rate =     14.132(CFS)
Time of concentration =    10.550 min.
Effective stream area after confluence  =      5.540(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      110.000 to Point/Station      114.000
**** PIPEFLOW TRAVEL TIME (User specified size) ****
________________________________________________________________________
Upstream point/station elevation =  1415.800(Ft.)
```

```
Downstream point/station elevation =  1415.200(Ft.)
Pipe length  =   174.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    14.132(CFS)
Given pipe size =     30.00(In.)
Calculated individual pipe flow  =    14.132(CFS)
Normal flow depth in pipe =   16.52(In.)
Flow top width inside pipe =   29.84(In.)
Critical Depth =   15.19(In.)
Pipe flow velocity =      5.10(Ft/s)
Travel time through pipe =    0.57 min.
Time of concentration (TC) =    11.12 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      110.000 to Point/Station      114.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      5.540(Ac.)
Runoff from this stream =     14.132(CFS)
Time of concentration =   11.12 min.
Rainfall intensity =     2.788(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      115.000 to Point/Station      114.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   565.000(Ft.)
Top (of initial area) elevation =  1425.900(Ft.)
Bottom (of initial area) elevation =  1415.000(Ft.)
Difference in elevation =    10.900(Ft.)
Slope =    0.01929  s(percent)=       1.93
TC = k(0.480)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   13.335 min.
Rainfall intensity =      2.545(In/Hr) for a   100.0 year storm
SINGLE FAMILY (1 Acre Lot)
Runoff Coefficient = 0.793
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2)  =  75.00
Pervious area fraction =  0.800; Impervious fraction =  0.200
Initial subarea runoff =      3.351(CFS)
Total initial stream area =        1.660(Ac.)
Pervious area fraction = 0.800


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
```

```
Process from Point/Station      115.000 to Point/Station      114.000
**** CONFLUENCE OF MAIN STREAMS ****
____________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      1.660(Ac.)
Runoff from this stream =      3.351(CFS)
Time of concentration =   13.33 min.
Rainfall intensity =     2.545(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                (In/Hr)


1       14.132     11.12                 2.788
2        3.351     13.33                 2.545
Largest stream flow has longer or shorter time of concentration
Qp =     14.132 + sum of
          Qa          Tb/Ta
            3.351 *    0.834 =      2.794
Qp =     16.926

Total of 2 main streams to confluence:
Flow rates before confluence point:
      14.132       3.351
Area of streams before confluence:
        5.540        1.660


Results of confluence:
Total flow rate =     16.926(CFS)
Time of concentration =    11.119 min.
Effective stream area after confluence  =      7.200(Ac.)
End of computations, total study area =            7.20 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.338
Area averaged RI index number =  75.0
```

B.2 – RATIONAL METHOD ANALYSIS, 100-YEAR AREA "B"

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2018 Version 9.0
Rational Hydrology Study Date: 09/11/23 File:BDEV100.out

ACACIA POINTE
DEVELEOPED RATIONAL METHOD ANALYSIS
AREA B
100-YEAR

********* Hydrology Study Control Information **********

English (in-lb) Units used in input data file

Program License Serial Number 6545

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation = 0.450(In.)
100 year, 1 hour precipitation = 1.200(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity = 1.200(In/Hr)
Slope of intensity duration curve = 0.5000

++

Process from Point/Station 200.000 to Point/Station 201.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 387.000(Ft.)
Top (of initial area) elevation = 1426.000(Ft.)
Bottom (of initial area) elevation = 1422.400(Ft.)
Difference in elevation = 3.600(Ft.)
Slope = 0.00930 s(percent)= 0.93
TC = k(0.323)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 8.924 min.
Rainfall intensity = 3.112(In/Hr) for a 100.0 year storm
APARTMENT subarea type

```
Runoff Coefficient = 0.878
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2)  =  75.00
Pervious area fraction =  0.200; Impervious fraction =  0.800
Initial subarea runoff =      2.594(CFS)
Total initial stream area =        0.950(Ac.)
Pervious area fraction = 0.200


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      201.000 to Point/Station      202.000
**** PIPEFLOW TRAVEL TIME (User specified size) ****
______________________________________________________________________________
Upstream point/station elevation =  1418.900(Ft.)
Downstream point/station elevation =  1418.600(Ft.)
Pipe length  =    17.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     2.594(CFS)
Given pipe size =     18.00(In.)
Calculated individual pipe flow  =     2.594(CFS)
Normal flow depth in pipe =    5.26(In.)
Flow top width inside pipe =   16.37(In.)
Critical Depth =    7.33(In.)
Pipe flow velocity =      6.04(Ft/s)
Travel time through pipe =    0.05 min.
Time of concentration (TC) =     8.97 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      201.000 to Point/Station      202.000
**** CONFLUENCE OF MAIN STREAMS ****
______________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      0.950(Ac.)
Runoff from this stream =      2.594(CFS)
Time of concentration =    8.97 min.
Rainfall intensity =     3.103(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      203.000 to Point/Station      204.000
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   210.000(Ft.)
Top (of initial area) elevation =  1424.300(Ft.)
Bottom (of initial area) elevation =  1422.400(Ft.)
Difference in elevation =     1.900(Ft.)
Slope =    0.00905  s(percent)=       0.90
```

```
TC = k(0.323)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    7.027 min.
Rainfall intensity =      3.506(In/Hr) for a   100.0 year storm
APARTMENT subarea type
Runoff Coefficient = 0.880
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2)  =  75.00
Pervious area fraction =  0.200; Impervious fraction =  0.800
Initial subarea runoff =      1.296(CFS)
Total initial stream area =        0.420(Ac.)
Pervious area fraction = 0.200


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      204.000 to Point/Station      202.000
**** PIPEFLOW TRAVEL TIME (User specified size) ****
________________________________________________________________________
Upstream point/station elevation =  1418.900(Ft.)
Downstream point/station elevation =  1418.600(Ft.)
Pipe length  =    15.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     1.296(CFS)
Given pipe size =     18.00(In.)
Calculated individual pipe flow  =     1.296(CFS)
Normal flow depth in pipe =    3.59(In.)
Flow top width inside pipe =   14.39(In.)
Critical Depth =    5.10(In.)
Pipe flow velocity =      5.16(Ft/s)
Travel time through pipe =    0.05 min.
Time of concentration (TC) =     7.08 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      204.000 to Point/Station      202.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      0.420(Ac.)
Runoff from this stream =      1.296(CFS)
Time of concentration =    7.08 min.
Rainfall intensity =     3.494(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1        2.594      8.97                3.103
2        1.296      7.08                3.494
```

```
Largest stream flow has longer time of concentration
Qp =      2.594 + sum of
          Qb         Ia/Ib
           1.296 *    0.888 =      1.151
Qp =      3.744

Total of 2 main streams to confluence:
Flow rates before confluence point:
       2.594       1.296
Area of streams before confluence:
        0.950        0.420


Results of confluence:
Total flow rate =      3.744(CFS)
Time of concentration =     8.971 min.
Effective stream area after confluence  =      1.370(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      202.000 to Point/Station      205.000
**** PIPEFLOW TRAVEL TIME (User specified size) ****
________________________________________________________________________
Upstream point/station elevation =  1418.600(Ft.)
Downstream point/station elevation =  1417.100(Ft.)
Pipe length  =   298.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     3.744(CFS)
Given pipe size =     24.00(In.)
Calculated individual pipe flow  =     3.744(CFS)
Normal flow depth in pipe =    7.89(In.)
Flow top width inside pipe =   22.55(In.)
Critical Depth =    8.12(In.)
Pipe flow velocity =      4.17(Ft/s)
Travel time through pipe =    1.19 min.
Time of concentration (TC) =    10.16 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      202.000 to Point/Station      205.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      1.370(Ac.)
Runoff from this stream =      3.744(CFS)
Time of concentration =   10.16 min.
Rainfall intensity =     2.916(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      206.000 to Point/Station      207.000
```

```
**** INITIAL AREA EVALUATION ****
------------------------------------------------------------------------
Initial area flow distance =   321.000(Ft.)
Top (of initial area) elevation =  1426.000(Ft.)
Bottom (of initial area) elevation =  1422.500(Ft.)
Difference in elevation =     3.500(Ft.)
Slope =    0.01090  s(percent)=       1.09
TC = k(0.323)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.022 min.
Rainfall intensity =      3.282(In/Hr) for a   100.0 year storm
APARTMENT subarea type
Runoff Coefficient = 0.879
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2)  =  75.00
Pervious area fraction =  0.200; Impervious fraction =  0.800
Initial subarea runoff =      2.710(CFS)
Total initial stream area =        0.940(Ac.)
Pervious area fraction = 0.200


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      207.000 to Point/Station      205.000
**** PIPEFLOW TRAVEL TIME (User specified size) ****
------------------------------------------------------------------------
Upstream point/station elevation =  1418.500(Ft.)
Downstream point/station elevation =  1417.100(Ft.)
Pipe length  =    22.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     2.710(CFS)
Given pipe size =     18.00(In.)
Calculated individual pipe flow  =     2.710(CFS)
Normal flow depth in pipe =    3.89(In.)
Flow top width inside pipe =   14.81(In.)
Critical Depth =    7.50(In.)
Pipe flow velocity =      9.65(Ft/s)
Travel time through pipe =    0.04 min.
Time of concentration (TC) =     8.06 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      207.000 to Point/Station      205.000
**** CONFLUENCE OF MAIN STREAMS ****
------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      0.940(Ac.)
Runoff from this stream =      2.710(CFS)
Time of concentration =    8.06 min.
Rainfall intensity =     3.274(In/Hr)
Program is now starting with Main Stream No. 3
```

```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      208.000 to Point/Station      209.000
**** INITIAL AREA EVALUATION ****
_____________________________________________________________________________
Initial area flow distance =   174.000(Ft.)
Top (of initial area) elevation =  1424.100(Ft.)
Bottom (of initial area) elevation =  1422.500(Ft.)
Difference in elevation =     1.600(Ft.)
Slope =    0.00920  s(percent)=       0.92
TC = k(0.323)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    6.497 min.
Rainfall intensity =      3.647(In/Hr) for a   100.0 year storm
APARTMENT subarea type
Runoff Coefficient = 0.880
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2)  =  75.00
Pervious area fraction =  0.200; Impervious fraction =  0.800
Initial subarea runoff =      2.119(CFS)
Total initial stream area =        0.660(Ac.)
Pervious area fraction = 0.200


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      209.000 to Point/Station      205.000
**** PIPEFLOW TRAVEL TIME (User specified size) ****
_____________________________________________________________________________
Upstream point/station elevation =  1417.400(Ft.)
Downstream point/station elevation =  1417.100(Ft.)
Pipe length  =    20.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     2.119(CFS)
Given pipe size =     18.00(In.)
Calculated individual pipe flow  =     2.119(CFS)
Normal flow depth in pipe =    4.94(In.)
Flow top width inside pipe =   16.06(In.)
Critical Depth =    6.60(In.)
Pipe flow velocity =      5.38(Ft/s)
Travel time through pipe =    0.06 min.
Time of concentration (TC) =     6.56 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      209.000 to Point/Station      205.000
**** CONFLUENCE OF MAIN STREAMS ****
_____________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 3
Stream flow area =      0.660(Ac.)
```

```
Runoff from this stream =      2.119(CFS)
Time of concentration =    6.56 min.
Rainfall intensity =     3.629(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1        3.744     10.16                2.916
2        2.710      8.06                3.274
3        2.119      6.56                3.629
Largest stream flow has longer time of concentration
Qp =      3.744 + sum of
          Qb         Ia/Ib
           2.710 *    0.891 =      2.414
          Qb         Ia/Ib
           2.119 *    0.803 =      1.702
Qp =      7.860

Total of 3 main streams to confluence:
Flow rates before confluence point:
       3.744       2.710       2.119
Area of streams before confluence:
        1.370        0.940        0.660


Results of confluence:
Total flow rate =      7.860(CFS)
Time of concentration =    10.163 min.
Effective stream area after confluence  =      2.970(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      205.000 to Point/Station      210.000
**** PIPEFLOW TRAVEL TIME (User specified size) ****
________________________________________________________________________
Upstream point/station elevation =  1417.100(Ft.)
Downstream point/station elevation =  1416.200(Ft.)
Pipe length  =   173.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     7.860(CFS)
Given pipe size =     30.00(In.)
Calculated individual pipe flow  =     7.860(CFS)
Normal flow depth in pipe =   10.56(In.)
Flow top width inside pipe =   28.65(In.)
Critical Depth =   11.18(In.)
Pipe flow velocity =      5.10(Ft/s)
Travel time through pipe =    0.57 min.
Time of concentration (TC) =    10.73 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
```

```
Process from Point/Station      205.000 to Point/Station      210.000
**** CONFLUENCE OF MAIN STREAMS ****
____________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      2.970(Ac.)
Runoff from this stream =      7.860(CFS)
Time of concentration =   10.73 min.
Rainfall intensity =     2.838(In/Hr)
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      211.000 to Point/Station      212.000
**** INITIAL AREA EVALUATION ****
____________________________________________________________________________
Initial area flow distance =   253.000(Ft.)
Top (of initial area) elevation =  1424.400(Ft.)
Bottom (of initial area) elevation =  1422.900(Ft.)
Difference in elevation =     1.500(Ft.)
Slope =    0.00593  s(percent)=       0.59
TC = k(0.323)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.239 min.
Rainfall intensity =      3.238(In/Hr) for a   100.0 year storm
APARTMENT subarea type
Runoff Coefficient = 0.878
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2)  =  75.00
Pervious area fraction =  0.200; Impervious fraction =  0.800
Initial subarea runoff =      0.711(CFS)
Total initial stream area =        0.250(Ac.)
Pervious area fraction = 0.200


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      212.000 to Point/Station      213.000
**** PIPEFLOW TRAVEL TIME (User specified size) ****
____________________________________________________________________________
Upstream point/station elevation =  1416.800(Ft.)
Downstream point/station elevation =  1416.400(Ft.)
Pipe length  =    65.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     0.711(CFS)
Given pipe size =     24.00(In.)
Calculated individual pipe flow  =     0.711(CFS)
Normal flow depth in pipe =    3.28(In.)
Flow top width inside pipe =   16.49(In.)
Critical depth could not be calculated.
Pipe flow velocity =      2.76(Ft/s)
Travel time through pipe =    0.39 min.
```

```
Time of concentration (TC) =     8.63 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      212.000 to Point/Station      213.000
**** CONFLUENCE OF MINOR STREAMS ****
______________________________________________________________________________
Along Main Stream number: 2 in normal stream number 1
Stream flow area =      0.250(Ac.)
Runoff from this stream =      0.711(CFS)
Time of concentration =    8.63 min.
Rainfall intensity =     3.164(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      214.000 to Point/Station      215.000
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
Initial area flow distance =   297.000(Ft.)
Top (of initial area) elevation =  1426.000(Ft.)
Bottom (of initial area) elevation =  1422.900(Ft.)
Difference in elevation =     3.100(Ft.)
Slope =    0.01044  s(percent)=       1.04
TC = k(0.323)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    7.845 min.
Rainfall intensity =      3.319(In/Hr) for a   100.0 year storm
APARTMENT subarea type
Runoff Coefficient = 0.879
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2)  =  75.00
Pervious area fraction =  0.200; Impervious fraction =  0.800
Initial subarea runoff =      1.954(CFS)
Total initial stream area =        0.670(Ac.)
Pervious area fraction = 0.200


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      215.000 to Point/Station      213.000
**** PIPEFLOW TRAVEL TIME (User specified size) ****
______________________________________________________________________________
Upstream point/station elevation =  1419.300(Ft.)
Downstream point/station elevation =  1416.400(Ft.)
Pipe length  =    13.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     1.954(CFS)
Given pipe size =     18.00(In.)
Calculated individual pipe flow  =     1.954(CFS)
Normal flow depth in pipe =    2.44(In.)
Flow top width inside pipe =   12.32(In.)
Critical Depth =    6.31(In.)
```

```
Pipe flow velocity =     13.63(Ft/s)
Travel time through pipe =    0.02 min.
Time of concentration (TC) =     7.86 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      215.000 to Point/Station      213.000
**** CONFLUENCE OF MINOR STREAMS ****
________________________________________________________________________
Along Main Stream number: 2 in normal stream number 2
Stream flow area =      0.670(Ac.)
Runoff from this stream =      1.954(CFS)
Time of concentration =    7.86 min.
Rainfall intensity =     3.315(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1        0.711      8.63                3.164
2        1.954      7.86                3.315
Largest stream flow has longer or shorter time of concentration
Qp =      1.954 + sum of
          Qa          Tb/Ta
           0.711 *    0.911 =      0.648
Qp =      2.601

Total of 2 streams to confluence:
Flow rates before confluence point:
       0.711       1.954
Area of streams before confluence:
        0.250        0.670
Results of confluence:
Total flow rate =      2.601(CFS)
Time of concentration =     7.861 min.
Effective stream area after confluence =      0.920(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      213.000 to Point/Station      210.000
**** PIPEFLOW TRAVEL TIME (User specified size) ****
________________________________________________________________________
Upstream point/station elevation =  1416.400(Ft.)
Downstream point/station elevation =  1416.200(Ft.)
Pipe length  =    41.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     2.601(CFS)
Given pipe size =     24.00(In.)
Calculated individual pipe flow  =     2.601(CFS)
Normal flow depth in pipe =    6.59(In.)
Flow top width inside pipe =   21.42(In.)
Critical Depth =    6.73(In.)
```

```
Pipe flow velocity =      3.72(Ft/s)
Travel time through pipe =    0.18 min.
Time of concentration (TC) =     8.04 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      213.000 to Point/Station      210.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      0.920(Ac.)
Runoff from this stream =      2.601(CFS)
Time of concentration =    8.04 min.
Rainfall intensity =     3.277(In/Hr)
Program is now starting with Main Stream No. 3


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      216.000 to Point/Station      210.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
Initial area flow distance =   324.000(Ft.)
Top (of initial area) elevation =  1425.200(Ft.)
Bottom (of initial area) elevation =  1416.000(Ft.)
Difference in elevation =     9.200(Ft.)
Slope =    0.02840  s(percent)=       2.84
TC = k(0.940)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   19.351 min.
Rainfall intensity =      2.113(In/Hr) for a   100.0 year storm
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.777
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2)  =  80.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =      1.511(CFS)
Total initial stream area =        0.920(Ac.)
Pervious area fraction = 1.000


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      216.000 to Point/Station      210.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 3
Stream flow area =      0.920(Ac.)
Runoff from this stream =      1.511(CFS)
Time of concentration =   19.35 min.
```

```
Rainfall intensity =     2.113(In/Hr)
Summary of stream data:

Stream   Flow rate      TC            Rainfall Intensity
 No.       (CFS)       (min)                 (In/Hr)


1        7.860     10.73                2.838
2        2.601      8.04                3.277
3        1.511     19.35                2.113
Largest stream flow has longer or shorter time of concentration
Qp =      7.860 + sum of
          Qb         Ia/Ib
           2.601 *    0.866 =      2.253
          Qa          Tb/Ta
           1.511 *    0.554 =      0.838
Qp =     10.951

Total of 3 main streams to confluence:
Flow rates before confluence point:
       7.860       2.601       1.511
Area of streams before confluence:
        2.970        0.920        0.920


Results of confluence:
Total flow rate =     10.951(CFS)
Time of concentration =    10.729 min.
Effective stream area after confluence  =      4.810(Ac.)
End of computations, total study area =            4.81 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 0.353
Area averaged RI index number =  76.0
```

B.3 – RATIONAL METHOD ANALYSIS, 100-YEAR AREA "C"

Riverside County Rational Hydrology Program

CIVILCADD/CIVILDESIGN Engineering Software,(c) 1989 - 2018 Version 9.0
Rational Hydrology Study Date: 09/12/23 File:CDEV100.out

ACACIA POINTE
DEVELOPED RATIONAL METHOD ANALYSIS
AREA C
100-YEAR

********* Hydrology Study Control Information **********

English (in-lb) Units used in input data file

Program License Serial Number 6545

Rational Method Hydrology Program based on
Riverside County Flood Control & Water Conservation District
1978 hydrology manual

Storm event (year) = 100.00 Antecedent Moisture Condition = 2

2 year, 1 hour precipitation = 0.450(In.)
100 year, 1 hour precipitation = 1.200(In.)

Storm event year = 100.0
Calculated rainfall intensity data:
1 hour intensity = 1.200(In/Hr)
Slope of intensity duration curve = 0.5000

++

Process from Point/Station 300.000 to Point/Station 301.000
**** INITIAL AREA EVALUATION ****

Initial area flow distance = 444.000(Ft.)
Top (of initial area) elevation = 1422.900(Ft.)
Bottom (of initial area) elevation = 1420.400(Ft.)
Difference in elevation = 2.500(Ft.)
Slope = 0.00563 s(percent)= 0.56
TC = k(0.530)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 17.105 min.
Rainfall intensity = 2.247(In/Hr) for a 100.0 year storm
UNDEVELOPED (poor cover) subarea

```
Runoff Coefficient = 0.839
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2)  =  89.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Initial subarea runoff =      3.486(CFS)
Total initial stream area =        1.850(Ac.)
Pervious area fraction = 1.000


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      301.000 to Point/Station      302.000
**** IMPROVED CHANNEL TRAVEL TIME ****
________________________________________________________________________
Upstream point elevation =  1420.400(Ft.)
Downstream point elevation =  1419.900(Ft.)
Channel length thru subarea  =   228.000(Ft.)
Channel base width      =    0.000(Ft.)
Slope or 'Z' of left channel bank =   1.500
Slope or 'Z' of right channel bank =   1.500
Estimated mean flow rate at midpoint of channel =      3.600(CFS)
Manning's 'N'    = 0.015
Maximum depth of channel  =    1.000(Ft.)
Flow(q) thru subarea =      3.600(CFS)
Depth of flow =   0.972(Ft.), Average velocity =   2.538(Ft/s)
Channel flow top width =    2.917(Ft.)
Flow Velocity =    2.54(Ft/s)
Travel time  =    1.50 min.
Time of concentration =   18.60 min.

Sub-Channel No. 1 Critical depth =      0.813(Ft.)
  '     '       '     Critical flow top width =      2.438(Ft.)
  '     '       '     Critical flow velocity=    3.635(Ft/s)
  '     '       '     Critical flow area =      0.990(Sq.Ft)

 Adding area flow to channel
UNDEVELOPED (good cover) subarea
Runoff Coefficient = 0.779
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 1.000
RI index for soil(AMC 2)  =  80.00
Pervious area fraction =  1.000; Impervious fraction =  0.000
Rainfall intensity =      2.155(In/Hr) for a   100.0 year storm
Subarea runoff =      0.202(CFS) for      0.120(Ac.)
Total runoff =      3.688(CFS)  Total area =       1.970(Ac.)
Depth of flow =   0.981(Ft.), Average velocity =   2.553(Ft/s)

Sub-Channel No. 1 Critical depth =      0.820(Ft.)
```

```
  '     '       '     Critical flow top width =      2.461(Ft.)
  '     '       '     Critical flow velocity=    3.654(Ft/s)
  '     '       '     Critical flow area =      1.009(Sq.Ft)

End of computations, total study area =            1.97 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged RI index number =  88.5
```

Developed Unit Hydrograph Models C

- C.1 – UNIT HYDROGRAPH ANALYSIS, AREA "A"
- C.2 – UNIT HYDROGRAPH ANALYSIS, AREA "B

C.1 – UNIT HYDROGRAPH ANALYSIS, 100-YEAR AREA "A"

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018, Version 9.0
Study date 09/12/23 File: ADEV1100.out

++

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6545

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

ACACIA POINTE
DEVELOPED UNIT HYDROGRAPH ANALYSIS
AREA "A"
100-YEAR, 1-HOUR

Drainage Area = 7.20(Ac.) = 0.011 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 7.20(Ac.) = 0.011 Sq. Mi.
Length along longest watercourse = 1115.00(Ft.)
Length along longest watercourse measured to centroid = 826.00(Ft.)
Length along longest watercourse = 0.211 Mi.
Length along longest watercourse measured to centroid = 0.156 Mi.
Difference in elevation = 10.70(Ft.)
Slope along watercourse = 50.6691 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.047 Hr.
Lag time = 2.80 Min.
25% of lag time = 0.70 Min.
40% of lag time = 1.12 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1] Rainfall(In)[2] Weighting[1*2]

```
        7.20            0.45                    3.24

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        7.20            1.20                    8.64

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.450(In)
Area Averaged 100-Year Rainfall =    1.200(In)

Point rain (area averaged) =    1.200(In)
Areal adjustment factor =   99.99 %
Adjusted average point rain =    1.200(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     7.200           75.00          0.662
 Total Area Entered =      7.20(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
75.0  75.0      0.303     0.662        0.122       1.000      0.122
                                                 Sum (F) =   0.122
Area averaged mean soil loss (F) (In/Hr) =  0.122
Minimum soil loss rate ((In/Hr)) =  0.061
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.370
------------------------------------------------------------------------
Slope of intensity-duration curve for a 1 hour storm =0.5000
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                        VALLEY S-Curve
---------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %            (CFS)
------------------------------------------------------------------------
    1   0.083        178.321         39.390              2.858
    2   0.167        356.642         44.907              3.259
    3   0.250        534.963          9.737              0.707
    4   0.333        713.284          4.008              0.291
    5   0.417        891.605          1.957              0.142
                              Sum = 100.000   Sum=       7.256
---------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
```

rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	4.20	0.605	0.122	(0.224)	0.482
2	0.17	4.30	0.619	0.122	(0.229)	0.497
3	0.25	5.00	0.720	0.122	(0.267)	0.597
4	0.33	5.00	0.720	0.122	(0.267)	0.597
5	0.42	5.80	0.835	0.122	(0.309)	0.713
6	0.50	6.50	0.936	0.122	(0.347)	0.813
7	0.58	7.40	1.066	0.122	(0.395)	0.943
8	0.67	8.60	1.238	0.122	(0.459)	1.116
9	0.75	12.30	1.771	0.122	(0.656)	1.649
10	0.83	29.10	4.190	0.122	(1.552)	4.068
11	0.92	6.80	0.979	0.122	(0.363)	0.857
12	1.00	5.00	0.720	0.122	(0.267)	0.597

(Loss Rate Not Used)

Sum = 100.0 Sum = 12.9

Flood volume = Effective rainfall 1.08(In)
times area 7.2(Ac.)/[(In)/(Ft.)] = 0.6(Ac.Ft)
Total soil loss = 0.12(In)
Total soil loss = 0.073(Ac.Ft)
Total rainfall = 1.20(In)
Flood volume = 28160.2 Cubic Feet
Total soil loss = 3200.9 Cubic Feet

Peak flow rate of this hydrograph = 18.186(CFS)

++

1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 5.0 10.0 15.0 20.0
0+ 5	0.0095	1.38	V Q
0+10	0.0301	2.99	V Q
0+15	0.0554	3.67	V Q
0+20	0.0839	4.15	V Q
0+25	0.1158	4.62	V Q
0+30	0.1524	5.32	VQ
0+35	0.1945	6.11	Q
0+40	0.2436	7.13	QV
0+45	0.3080	9.36	QV
0+50	0.4333	18.19	V Q
0+55	0.5527	17.34	Q
1+ 0	0.6079	8.02	Q V
1+ 5	0.6352	3.97	Q V
1+10	0.6438	1.25	Q V
1+15	0.6459	0.30	Q V

1+20	0.6465	0.08	Q	|	|	|	V

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018, Version 9.0
Study date 09/12/23 File: ADEV3100.out

++

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6545

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

ACACIA POINTE
DEVELOPED UNIT HYDROGRAPH ANALYSIS
AREA "A"
100-YEAR, 3-HOUR

Drainage Area = 7.20(Ac.) = 0.011 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 7.20(Ac.) = 0.011 Sq. Mi.
Length along longest watercourse = 1115.00(Ft.)
Length along longest watercourse measured to centroid = 826.00(Ft.)
Length along longest watercourse = 0.211 Mi.
Length along longest watercourse measured to centroid = 0.156 Mi.
Difference in elevation = 10.70(Ft.)
Slope along watercourse = 50.6691 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.047 Hr.
Lag time = 2.80 Min.
25% of lag time = 0.70 Min.
40% of lag time = 1.12 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1] Rainfall(In)[2] Weighting[1*2]

```
        7.20            0.80                    5.76

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        7.20            1.90                   13.68

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.800(In)
Area Averaged 100-Year Rainfall =    1.900(In)

Point rain (area averaged) =    1.900(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    1.900(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     7.200           75.00          0.662
 Total Area Entered =      7.20(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
75.0  75.0      0.303     0.662        0.122       1.000      0.122
                                                 Sum (F) =   0.122
Area averaged mean soil loss (F) (In/Hr) =  0.122
Minimum soil loss rate ((In/Hr)) =  0.061
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.370
------------------------------------------------------------------------

               U n i t  H y d r o g r a p h
                       VALLEY S-Curve
------------------------------------------------------------------------
               Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083        178.321         39.390             2.858
    2   0.167        356.642         44.907             3.259
    3   0.250        534.963          9.737             0.707
    4   0.333        713.284          4.008             0.291
    5   0.417        891.605          1.957             0.142
                              Sum = 100.000   Sum=       7.256
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.296	(0.122)	0.110	0.187
2	0.17	1.30	0.296	(0.122)	0.110	0.187
3	0.25	1.10	0.251	(0.122)	0.093	0.158
4	0.33	1.50	0.342	0.122	(0.127)	0.220
5	0.42	1.50	0.342	0.122	(0.127)	0.220
6	0.50	1.80	0.410	0.122	(0.152)	0.288
7	0.58	1.50	0.342	0.122	(0.127)	0.220
8	0.67	1.80	0.410	0.122	(0.152)	0.288
9	0.75	1.80	0.410	0.122	(0.152)	0.288
10	0.83	1.50	0.342	0.122	(0.127)	0.220
11	0.92	1.60	0.365	0.122	(0.135)	0.242
12	1.00	1.80	0.410	0.122	(0.152)	0.288
13	1.08	2.20	0.502	0.122	(0.186)	0.379
14	1.17	2.20	0.502	0.122	(0.186)	0.379
15	1.25	2.20	0.502	0.122	(0.186)	0.379
16	1.33	2.00	0.456	0.122	(0.169)	0.334
17	1.42	2.60	0.593	0.122	(0.220)	0.470
18	1.50	2.70	0.616	0.122	(0.228)	0.493
19	1.58	2.40	0.547	0.122	(0.203)	0.425
20	1.67	2.70	0.616	0.122	(0.228)	0.493
21	1.75	3.30	0.752	0.122	(0.279)	0.630
22	1.83	3.10	0.707	0.122	(0.262)	0.584
23	1.92	2.90	0.661	0.122	(0.245)	0.539
24	2.00	3.00	0.684	0.122	(0.253)	0.562
25	2.08	3.10	0.707	0.122	(0.262)	0.584
26	2.17	4.20	0.958	0.122	(0.355)	0.835
27	2.25	5.00	1.140	0.122	(0.422)	1.017
28	2.33	3.50	0.798	0.122	(0.296)	0.676
29	2.42	6.80	1.550	0.122	(0.574)	1.428
30	2.50	7.30	1.664	0.122	(0.616)	1.542
31	2.58	8.20	1.870	0.122	(0.692)	1.747
32	2.67	5.90	1.345	0.122	(0.498)	1.223
33	2.75	2.00	0.456	0.122	(0.169)	0.334
34	2.83	1.80	0.410	0.122	(0.152)	0.288
35	2.92	1.80	0.410	0.122	(0.152)	0.288
36	3.00	0.60	0.137	(0.122)	0.051	0.086

(Loss Rate Not Used)

Sum = 100.0 Sum = 18.5

Flood volume = Effective rainfall 1.54(In)
times area 7.2(Ac.)/[(In)/(Ft.)] = 0.9(Ac.Ft)
Total soil loss = 0.36(In)
Total soil loss = 0.214(Ac.Ft)
Total rainfall = 1.90(In)
Flood volume = 40330.1 Cubic Feet
Total soil loss = 9326.7 Cubic Feet

Peak flow rate of this hydrograph = 11.374(CFS)

++

3 - H O U R S T O R M

R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 5.0 10.0 15.0 20.0
0+ 5	0.0037	0.53	VQ
0+10	0.0115	1.14	V Q
0+15	0.0197	1.19	V Q
0+20	0.0289	1.33	|VQ
0+25	0.0395	1.54	|V Q
0+30	0.0516	1.77	| VQ
0+35	0.0641	1.81	| VQ
0+40	0.0768	1.84	| Q
0+45	0.0907	2.03	| VQ
0+50	0.1037	1.87	| QV
0+55	0.1156	1.73	| QV
1+ 0	0.1286	1.89	| Q V
1+ 5	0.1444	2.30	| Q V
1+10	0.1625	2.63	| Q V
1+15	0.1811	2.71	| Q V
1+20	0.1991	2.61	| Q V
1+25	0.2188	2.86	| Q V|
1+30	0.2419	3.34	| Q V
1+35	0.2646	3.31	| Q |V
1+40	0.2876	3.33	| Q | V
1+45	0.3145	3.92	| Q | V
1+50	0.3439	4.27	| Q | V
1+55	0.3721	4.09	| Q | V
2+ 0	0.3999	4.03	| Q | V
2+ 5	0.4284	4.14	| Q | V
2+10	0.4624	4.93	| Q| V|
2+15	0.5056	6.29	| | Q |V
2+20	0.5476	6.09	| | Q | V
2+25	0.5981	7.33	| | Q | V
2+30	0.6666	9.96	| | Q| V
2+35	0.7450	11.37	| | | Q | V
2+40	0.8193	10.79	| | |Q | V
2+45	0.8663	6.83	| | Q | V
2+50	0.8904	3.50	| Q | V
2+55	0.9084	2.60	| Q | V|
3+ 0	0.9198	1.66	| Q | V|
3+ 5	0.9240	0.62	|Q | V|
3+10	0.9253	0.19	Q | V|
3+15	0.9258	0.07	Q | V|
3+20	0.9259	0.01	Q | V

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018, Version 9.0
Study date 09/12/23 File: ADEV6100.out

++

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6545

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

ACACIA POINTE
DEVELOPED UNIT HYDROGRAPH ANALYSIS
AREA "A"
100-YEAR, 6-HOUR

Drainage Area = 7.20(Ac.) = 0.011 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 7.20(Ac.) = 0.011 Sq. Mi.
Length along longest watercourse = 1115.00(Ft.)
Length along longest watercourse measured to centroid = 826.00(Ft.)
Length along longest watercourse = 0.211 Mi.
Length along longest watercourse measured to centroid = 0.156 Mi.
Difference in elevation = 10.70(Ft.)
Slope along watercourse = 50.6691 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.047 Hr.
Lag time = 2.80 Min.
25% of lag time = 0.70 Min.
40% of lag time = 1.12 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1] Rainfall(In)[2] Weighting[1*2]

```
        7.20            1.00                    7.20

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        7.20            2.50                   18.00

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.000(In)
Area Averaged 100-Year Rainfall =    2.500(In)

Point rain (area averaged) =    2.500(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    2.500(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     7.200           75.00          0.662
 Total Area Entered =      7.20(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
75.0  75.0      0.303     0.662        0.122       1.000      0.122
                                                 Sum (F) =   0.122
Area averaged mean soil loss (F) (In/Hr) =  0.122
Minimum soil loss rate ((In/Hr)) =  0.061
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.370
------------------------------------------------------------------------

               U n i t  H y d r o g r a p h
                       VALLEY S-Curve
------------------------------------------------------------------------
               Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083        178.321         39.390             2.858
    2   0.167        356.642         44.907             3.259
    3   0.250        534.963          9.737             0.707
    4   0.333        713.284          4.008             0.291
    5   0.417        891.605          1.957             0.142
                              Sum = 100.000   Sum=       7.256
------------------------------------------------------------------------
```

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.150	(0.122)	0.056	0.094
2	0.17	0.60	0.180	(0.122)	0.067	0.113
3	0.25	0.60	0.180	(0.122)	0.067	0.113
4	0.33	0.60	0.180	(0.122)	0.067	0.113
5	0.42	0.60	0.180	(0.122)	0.067	0.113
6	0.50	0.70	0.210	(0.122)	0.078	0.132
7	0.58	0.70	0.210	(0.122)	0.078	0.132
8	0.67	0.70	0.210	(0.122)	0.078	0.132
9	0.75	0.70	0.210	(0.122)	0.078	0.132
10	0.83	0.70	0.210	(0.122)	0.078	0.132
11	0.92	0.70	0.210	(0.122)	0.078	0.132
12	1.00	0.80	0.240	(0.122)	0.089	0.151
13	1.08	0.80	0.240	(0.122)	0.089	0.151
14	1.17	0.80	0.240	(0.122)	0.089	0.151
15	1.25	0.80	0.240	(0.122)	0.089	0.151
16	1.33	0.80	0.240	(0.122)	0.089	0.151
17	1.42	0.80	0.240	(0.122)	0.089	0.151
18	1.50	0.80	0.240	(0.122)	0.089	0.151
19	1.58	0.80	0.240	(0.122)	0.089	0.151
20	1.67	0.80	0.240	(0.122)	0.089	0.151
21	1.75	0.80	0.240	(0.122)	0.089	0.151
22	1.83	0.80	0.240	(0.122)	0.089	0.151
23	1.92	0.80	0.240	(0.122)	0.089	0.151
24	2.00	0.90	0.270	(0.122)	0.100	0.170
25	2.08	0.80	0.240	(0.122)	0.089	0.151
26	2.17	0.90	0.270	(0.122)	0.100	0.170
27	2.25	0.90	0.270	(0.122)	0.100	0.170
28	2.33	0.90	0.270	(0.122)	0.100	0.170
29	2.42	0.90	0.270	(0.122)	0.100	0.170
30	2.50	0.90	0.270	(0.122)	0.100	0.170
31	2.58	0.90	0.270	(0.122)	0.100	0.170
32	2.67	0.90	0.270	(0.122)	0.100	0.170
33	2.75	1.00	0.300	(0.122)	0.111	0.189
34	2.83	1.00	0.300	(0.122)	0.111	0.189
35	2.92	1.00	0.300	(0.122)	0.111	0.189
36	3.00	1.00	0.300	(0.122)	0.111	0.189
37	3.08	1.00	0.300	(0.122)	0.111	0.189
38	3.17	1.10	0.330	(0.122)	0.122	0.208
39	3.25	1.10	0.330	(0.122)	0.122	0.208
40	3.33	1.10	0.330	(0.122)	0.122	0.208
41	3.42	1.20	0.360	0.122	(0.133)	0.238
42	3.50	1.30	0.390	0.122	(0.144)	0.268
43	3.58	1.40	0.420	0.122	(0.156)	0.298
44	3.67	1.40	0.420	0.122	(0.156)	0.298
45	3.75	1.50	0.450	0.122	(0.167)	0.328
46	3.83	1.50	0.450	0.122	(0.167)	0.328
47	3.92	1.60	0.480	0.122	(0.178)	0.358
48	4.00	1.60	0.480	0.122	(0.178)	0.358
49	4.08	1.70	0.510	0.122	(0.189)	0.388
50	4.17	1.80	0.540	0.122	(0.200)	0.418

```
51   4.25     1.90      0.570          0.122    (  0.211)        0.448
52   4.33     2.00      0.600          0.122    (  0.222)        0.478
53   4.42     2.10      0.630          0.122    (  0.233)        0.508
54   4.50     2.10      0.630          0.122    (  0.233)        0.508
55   4.58     2.20      0.660          0.122    (  0.244)        0.538
56   4.67     2.30      0.690          0.122    (  0.256)        0.568
57   4.75     2.40      0.720          0.122    (  0.267)        0.598
58   4.83     2.40      0.720          0.122    (  0.267)        0.598
59   4.92     2.50      0.750          0.122    (  0.278)        0.628
60   5.00     2.60      0.780          0.122    (  0.289)        0.658
61   5.08     3.10      0.930          0.122    (  0.344)        0.808
62   5.17     3.60      1.080          0.122    (  0.400)        0.958
63   5.25     3.90      1.170          0.122    (  0.433)        1.047
64   5.33     4.20      1.260          0.122    (  0.467)        1.137
65   5.42     4.70      1.410          0.122    (  0.522)        1.287
66   5.50     5.60      1.680          0.122    (  0.622)        1.557
67   5.58     1.90      0.570          0.122    (  0.211)        0.448
68   5.67     0.90      0.270       (  0.122)       0.100        0.170
69   5.75     0.60      0.180       (  0.122)       0.067        0.113
70   5.83     0.50      0.150       (  0.122)       0.056        0.094
71   5.92     0.30      0.090       (  0.122)       0.033        0.057
72   6.00     0.20      0.060       (  0.122)       0.022        0.038
              (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    22.7
      Flood volume = Effective rainfall      1.90(In)
       times area       7.2(Ac.)/[(In)/(Ft.)] =       1.1(Ac.Ft)
      Total soil loss =      0.60(In)
      Total soil loss =     0.363(Ac.Ft)
      Total rainfall =      2.50(In)
      Flood volume =       49544.8 Cubic Feet
      Total soil loss =       15793.6 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =      9.897(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          6 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0        2.5       5.0       7.5      10.0
-------------------------------------------------------------------------
  0+ 5       0.0019      0.27  VQ        |         |         |         |
  0+10       0.0062      0.63  V Q       |         |         |         |
  0+15       0.0114      0.76  V  Q      |         |         |         |
  0+20       0.0170      0.80  V  Q      |         |         |         |
  0+25       0.0226      0.82  V  Q      |         |         |         |
  0+30       0.0287      0.88  |V Q      |         |         |         |
  0+35       0.0351      0.94  |V Q      |         |         |         |
  0+40       0.0417      0.95  |V Q      |         |         |         |
  0+45       0.0483      0.96  |V Q      |         |         |         |
```

```
0+50       0.0549      0.96  |V Q      |         |         |         |
0+55       0.0615      0.96  | VQ      |         |         |         |
1+ 0       0.0685      1.01  | V Q     |         |         |         |
1+ 5       0.0759      1.08  | V Q     |         |         |         |
1+10       0.0834      1.09  | V Q     |         |         |         |
1+15       0.0909      1.09  |  VQ     |         |         |         |
1+20       0.0985      1.10  |  VQ     |         |         |         |
1+25       0.1060      1.10  |  VQ     |         |         |         |
1+30       0.1136      1.10  |  VQ     |         |         |         |
1+35       0.1211      1.10  |   Q     |         |         |         |
1+40       0.1287      1.10  |   Q     |         |         |         |
1+45       0.1362      1.10  |   Q     |         |         |         |
1+50       0.1438      1.10  |   QV    |         |         |         |
1+55       0.1513      1.10  |   QV    |         |         |         |
2+ 0       0.1593      1.15  |   QV    |         |         |         |
2+ 5       0.1673      1.16  |   QV    |         |         |         |
2+10       0.1753      1.16  |   Q V   |         |         |         |
2+15       0.1837      1.22  |   Q V   |         |         |         |
2+20       0.1921      1.23  |   Q V   |         |         |         |
2+25       0.2006      1.23  |   Q  V  |         |         |         |
2+30       0.2091      1.23  |   Q  V  |         |         |         |
2+35       0.2176      1.23  |   Q  V  |         |         |         |
2+40       0.2261      1.23  |   Q  V  |         |         |         |
2+45       0.2350      1.29  |    Q  V |         |         |         |
2+50       0.2443      1.35  |    Q  V |         |         |         |
2+55       0.2537      1.36  |    Q  V |         |         |         |
3+ 0       0.2631      1.37  |    Q   V|         |         |         |
3+ 5       0.2725      1.37  |    Q   V|         |         |         |
3+10       0.2823      1.43  |    Q   V|         |         |         |
3+15       0.2926      1.49  |    Q    V         |         |         |
3+20       0.3029      1.50  |     Q   V         |         |         |
3+25       0.3139      1.59  |     Q   |V        |         |         |
3+30       0.3261      1.78  |      Q  |V        |         |         |
3+35       0.3397      1.98  |      Q  |V        |         |         |
3+40       0.3543      2.11  |       Q | V       |         |         |
3+45       0.3696      2.23  |       Q | V       |         |         |
3+50       0.3857      2.34  |        Q|  V      |         |         |
3+55       0.4026      2.45  |        Q|   V     |         |         |
4+ 0       0.4202      2.56  |         Q   V     |         |         |
4+ 5       0.4386      2.67  |         Q    V    |         |         |
4+10       0.4583      2.86  |         |Q    V   |         |         |
4+15       0.4794      3.07  |         | Q   V   |         |         |
4+20       0.5020      3.28  |         |  Q   V  |         |         |
4+25       0.5262      3.50  |         |   Q   V |         |         |
4+30       0.5512      3.63  |         |   Q    V|         |         |
4+35       0.5770      3.75  |         |    Q    V         |         |
4+40       0.6042      3.95  |         |    Q    |V        |         |
4+45       0.6329      4.16  |         |     Q   | V       |         |
4+50       0.6624      4.29  |         |      Q  |  V      |         |
4+55       0.6927      4.41  |         |      Q  |   V     |         |
5+ 0       0.7244      4.60  |         |       Q |    V    |         |
5+ 5       0.7599      5.16  |         |         Q     V   |         |
```

```
    5+10       0.8020      6.10  |          |          |   Q   V |          |
    5+15       0.8500      6.97  |          |          |      Q V|          |
    5+20       0.9028      7.67  |          |          |         QV         |
    5+25       0.9615      8.52  |          |          |          |  VQ     |
    5+30       1.0297      9.90  |          |          |          |     V  Q|
    5+35       1.0830      7.75  |          |          |         Q       V  |
    5+40       1.1077      3.58  |          |   Q      |          |       V  |
    5+45       1.1203      1.83  |       Q  |          |          |         V|
    5+50       1.1280      1.11  |   Q      |          |          |         V|
    5+55       1.1325      0.66  | Q        |          |          |         V|
    6+ 0       1.1354      0.42  |Q         |          |          |         V|
    6+ 5       1.1368      0.21  Q          |          |          |         V|
    6+10       1.1372      0.06  Q          |          |          |         V|
    6+15       1.1374      0.02  Q          |          |          |         V|
    6+20       1.1374      0.01  Q          |          |          |         V|
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018, Version 9.0
Study date 09/12/23 File: ADEV24100.out

++

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6545

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

ACACIA POINTE
DEVELOPED UNIT HYDROGRAPH ANALYSIS
AREA "A"
100-YEAR, 24-HOUR

Drainage Area = 7.20(Ac.) = 0.011 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 7.20(Ac.) = 0.011 Sq. Mi.
Length along longest watercourse = 1115.00(Ft.)
Length along longest watercourse measured to centroid = 826.00(Ft.)
Length along longest watercourse = 0.211 Mi.
Length along longest watercourse measured to centroid = 0.156 Mi.
Difference in elevation = 10.70(Ft.)
Slope along watercourse = 50.6691 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.047 Hr.
Lag time = 2.80 Min.
25% of lag time = 0.70 Min.
40% of lag time = 1.12 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1] Rainfall(In)[2] Weighting[1*2]

```
        7.20            1.70                    12.24

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        7.20            4.50                    32.40

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    1.700(In)
Area Averaged 100-Year Rainfall =    4.500(In)

Point rain (area averaged) =    4.500(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    4.500(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     7.200           75.00          0.662
 Total Area Entered =      7.20(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
75.0  75.0      0.303     0.662        0.122       1.000      0.122
                                                 Sum (F) =   0.122
Area averaged mean soil loss (F) (In/Hr) =  0.122
Minimum soil loss rate ((In/Hr)) =  0.061
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.370
------------------------------------------------------------------------

               U n i t  H y d r o g r a p h
                       VALLEY S-Curve
------------------------------------------------------------------------
               Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %           (CFS)
------------------------------------------------------------------------
    1   0.083        178.321         39.390             2.858
    2   0.167        356.642         44.907             3.259
    3   0.250        534.963          9.737             0.707
    4   0.333        713.284          4.008             0.291
    5   0.417        891.605          1.957             0.142
                              Sum = 100.000   Sum=       7.256
------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value
```

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.036	(0.217)	0.013	0.023
2	0.17	0.07	0.036	(0.216)	0.013	0.023
3	0.25	0.07	0.036	(0.215)	0.013	0.023
4	0.33	0.10	0.054	(0.215)	0.020	0.034
5	0.42	0.10	0.054	(0.214)	0.020	0.034
6	0.50	0.10	0.054	(0.213)	0.020	0.034
7	0.58	0.10	0.054	(0.212)	0.020	0.034
8	0.67	0.10	0.054	(0.211)	0.020	0.034
9	0.75	0.10	0.054	(0.210)	0.020	0.034
10	0.83	0.13	0.072	(0.210)	0.027	0.045
11	0.92	0.13	0.072	(0.209)	0.027	0.045
12	1.00	0.13	0.072	(0.208)	0.027	0.045
13	1.08	0.10	0.054	(0.207)	0.020	0.034
14	1.17	0.10	0.054	(0.206)	0.020	0.034
15	1.25	0.10	0.054	(0.206)	0.020	0.034
16	1.33	0.10	0.054	(0.205)	0.020	0.034
17	1.42	0.10	0.054	(0.204)	0.020	0.034
18	1.50	0.10	0.054	(0.203)	0.020	0.034
19	1.58	0.10	0.054	(0.202)	0.020	0.034
20	1.67	0.10	0.054	(0.201)	0.020	0.034
21	1.75	0.10	0.054	(0.201)	0.020	0.034
22	1.83	0.13	0.072	(0.200)	0.027	0.045
23	1.92	0.13	0.072	(0.199)	0.027	0.045
24	2.00	0.13	0.072	(0.198)	0.027	0.045
25	2.08	0.13	0.072	(0.197)	0.027	0.045
26	2.17	0.13	0.072	(0.197)	0.027	0.045
27	2.25	0.13	0.072	(0.196)	0.027	0.045
28	2.33	0.13	0.072	(0.195)	0.027	0.045
29	2.42	0.13	0.072	(0.194)	0.027	0.045
30	2.50	0.13	0.072	(0.193)	0.027	0.045
31	2.58	0.17	0.090	(0.193)	0.033	0.057
32	2.67	0.17	0.090	(0.192)	0.033	0.057
33	2.75	0.17	0.090	(0.191)	0.033	0.057
34	2.83	0.17	0.090	(0.190)	0.033	0.057
35	2.92	0.17	0.090	(0.189)	0.033	0.057
36	3.00	0.17	0.090	(0.189)	0.033	0.057
37	3.08	0.17	0.090	(0.188)	0.033	0.057
38	3.17	0.17	0.090	(0.187)	0.033	0.057
39	3.25	0.17	0.090	(0.186)	0.033	0.057
40	3.33	0.17	0.090	(0.186)	0.033	0.057
41	3.42	0.17	0.090	(0.185)	0.033	0.057
42	3.50	0.17	0.090	(0.184)	0.033	0.057
43	3.58	0.17	0.090	(0.183)	0.033	0.057
44	3.67	0.17	0.090	(0.182)	0.033	0.057
45	3.75	0.17	0.090	(0.182)	0.033	0.057
46	3.83	0.20	0.108	(0.181)	0.040	0.068
47	3.92	0.20	0.108	(0.180)	0.040	0.068
48	4.00	0.20	0.108	(0.179)	0.040	0.068
49	4.08	0.20	0.108	(0.179)	0.040	0.068
50	4.17	0.20	0.108	(0.178)	0.040	0.068

51	4.25	0.20	0.108	(0.177)	0.040	0.068
52	4.33	0.23	0.126	(0.176)	0.047	0.079
53	4.42	0.23	0.126	(0.176)	0.047	0.079
54	4.50	0.23	0.126	(0.175)	0.047	0.079
55	4.58	0.23	0.126	(0.174)	0.047	0.079
56	4.67	0.23	0.126	(0.173)	0.047	0.079
57	4.75	0.23	0.126	(0.173)	0.047	0.079
58	4.83	0.27	0.144	(0.172)	0.053	0.091
59	4.92	0.27	0.144	(0.171)	0.053	0.091
60	5.00	0.27	0.144	(0.170)	0.053	0.091
61	5.08	0.20	0.108	(0.170)	0.040	0.068
62	5.17	0.20	0.108	(0.169)	0.040	0.068
63	5.25	0.20	0.108	(0.168)	0.040	0.068
64	5.33	0.23	0.126	(0.167)	0.047	0.079
65	5.42	0.23	0.126	(0.167)	0.047	0.079
66	5.50	0.23	0.126	(0.166)	0.047	0.079
67	5.58	0.27	0.144	(0.165)	0.053	0.091
68	5.67	0.27	0.144	(0.165)	0.053	0.091
69	5.75	0.27	0.144	(0.164)	0.053	0.091
70	5.83	0.27	0.144	(0.163)	0.053	0.091
71	5.92	0.27	0.144	(0.162)	0.053	0.091
72	6.00	0.27	0.144	(0.162)	0.053	0.091
73	6.08	0.30	0.162	(0.161)	0.060	0.102
74	6.17	0.30	0.162	(0.160)	0.060	0.102
75	6.25	0.30	0.162	(0.160)	0.060	0.102
76	6.33	0.30	0.162	(0.159)	0.060	0.102
77	6.42	0.30	0.162	(0.158)	0.060	0.102
78	6.50	0.30	0.162	(0.157)	0.060	0.102
79	6.58	0.33	0.180	(0.157)	0.067	0.113
80	6.67	0.33	0.180	(0.156)	0.067	0.113
81	6.75	0.33	0.180	(0.155)	0.067	0.113
82	6.83	0.33	0.180	(0.155)	0.067	0.113
83	6.92	0.33	0.180	(0.154)	0.067	0.113
84	7.00	0.33	0.180	(0.153)	0.067	0.113
85	7.08	0.33	0.180	(0.152)	0.067	0.113
86	7.17	0.33	0.180	(0.152)	0.067	0.113
87	7.25	0.33	0.180	(0.151)	0.067	0.113
88	7.33	0.37	0.198	(0.150)	0.073	0.125
89	7.42	0.37	0.198	(0.150)	0.073	0.125
90	7.50	0.37	0.198	(0.149)	0.073	0.125
91	7.58	0.40	0.216	(0.148)	0.080	0.136
92	7.67	0.40	0.216	(0.148)	0.080	0.136
93	7.75	0.40	0.216	(0.147)	0.080	0.136
94	7.83	0.43	0.234	(0.146)	0.087	0.147
95	7.92	0.43	0.234	(0.146)	0.087	0.147
96	8.00	0.43	0.234	(0.145)	0.087	0.147
97	8.08	0.50	0.270	(0.144)	0.100	0.170
98	8.17	0.50	0.270	(0.144)	0.100	0.170
99	8.25	0.50	0.270	(0.143)	0.100	0.170
100	8.33	0.50	0.270	(0.142)	0.100	0.170
101	8.42	0.50	0.270	(0.142)	0.100	0.170
102	8.50	0.50	0.270	(0.141)	0.100	0.170

103	8.58	0.53	0.288	(0.140)	0.107	0.181
104	8.67	0.53	0.288	(0.140)	0.107	0.181
105	8.75	0.53	0.288	(0.139)	0.107	0.181
106	8.83	0.57	0.306	(0.138)	0.113	0.193
107	8.92	0.57	0.306	(0.138)	0.113	0.193
108	9.00	0.57	0.306	(0.137)	0.113	0.193
109	9.08	0.63	0.342	(0.136)	0.127	0.215
110	9.17	0.63	0.342	(0.136)	0.127	0.215
111	9.25	0.63	0.342	(0.135)	0.127	0.215
112	9.33	0.67	0.360	(0.134)	0.133	0.227
113	9.42	0.67	0.360	(0.134)	0.133	0.227
114	9.50	0.67	0.360	0.133	(0.133)	0.227
115	9.58	0.70	0.378	0.132	(0.140)	0.246
116	9.67	0.70	0.378	0.132	(0.140)	0.246
117	9.75	0.70	0.378	0.131	(0.140)	0.247
118	9.83	0.73	0.396	0.131	(0.147)	0.265
119	9.92	0.73	0.396	0.130	(0.147)	0.266
120	10.00	0.73	0.396	0.129	(0.147)	0.267
121	10.08	0.50	0.270	(0.129)	0.100	0.170
122	10.17	0.50	0.270	(0.128)	0.100	0.170
123	10.25	0.50	0.270	(0.127)	0.100	0.170
124	10.33	0.50	0.270	(0.127)	0.100	0.170
125	10.42	0.50	0.270	(0.126)	0.100	0.170
126	10.50	0.50	0.270	(0.126)	0.100	0.170
127	10.58	0.67	0.360	0.125	(0.133)	0.235
128	10.67	0.67	0.360	0.124	(0.133)	0.236
129	10.75	0.67	0.360	0.124	(0.133)	0.236
130	10.83	0.67	0.360	0.123	(0.133)	0.237
131	10.92	0.67	0.360	0.123	(0.133)	0.237
132	11.00	0.67	0.360	0.122	(0.133)	0.238
133	11.08	0.63	0.342	0.121	(0.127)	0.221
134	11.17	0.63	0.342	0.121	(0.127)	0.221
135	11.25	0.63	0.342	0.120	(0.127)	0.222
136	11.33	0.63	0.342	0.120	(0.127)	0.222
137	11.42	0.63	0.342	0.119	(0.127)	0.223
138	11.50	0.63	0.342	0.118	(0.127)	0.224
139	11.58	0.57	0.306	(0.118)	0.113	0.193
140	11.67	0.57	0.306	(0.117)	0.113	0.193
141	11.75	0.57	0.306	(0.117)	0.113	0.193
142	11.83	0.60	0.324	0.116	(0.120)	0.208
143	11.92	0.60	0.324	0.115	(0.120)	0.209
144	12.00	0.60	0.324	0.115	(0.120)	0.209
145	12.08	0.83	0.450	0.114	(0.167)	0.336
146	12.17	0.83	0.450	0.114	(0.167)	0.336
147	12.25	0.83	0.450	0.113	(0.167)	0.337
148	12.33	0.87	0.468	0.113	(0.173)	0.355
149	12.42	0.87	0.468	0.112	(0.173)	0.356
150	12.50	0.87	0.468	0.111	(0.173)	0.357
151	12.58	0.93	0.504	0.111	(0.187)	0.393
152	12.67	0.93	0.504	0.110	(0.187)	0.394
153	12.75	0.93	0.504	0.110	(0.187)	0.394
154	12.83	0.97	0.522	0.109	(0.193)	0.413

155	12.92	0.97	0.522	0.109	(0.193)	0.413
156	13.00	0.97	0.522	0.108	(0.193)	0.414
157	13.08	1.13	0.612	0.108	(0.227)	0.504
158	13.17	1.13	0.612	0.107	(0.227)	0.505
159	13.25	1.13	0.612	0.107	(0.227)	0.505
160	13.33	1.13	0.612	0.106	(0.227)	0.506
161	13.42	1.13	0.612	0.105	(0.227)	0.507
162	13.50	1.13	0.612	0.105	(0.227)	0.507
163	13.58	0.77	0.414	0.104	(0.153)	0.310
164	13.67	0.77	0.414	0.104	(0.153)	0.310
165	13.75	0.77	0.414	0.103	(0.153)	0.311
166	13.83	0.77	0.414	0.103	(0.153)	0.311
167	13.92	0.77	0.414	0.102	(0.153)	0.312
168	14.00	0.77	0.414	0.102	(0.153)	0.312
169	14.08	0.90	0.486	0.101	(0.180)	0.385
170	14.17	0.90	0.486	0.101	(0.180)	0.385
171	14.25	0.90	0.486	0.100	(0.180)	0.386
172	14.33	0.87	0.468	0.100	(0.173)	0.368
173	14.42	0.87	0.468	0.099	(0.173)	0.369
174	14.50	0.87	0.468	0.099	(0.173)	0.369
175	14.58	0.87	0.468	0.098	(0.173)	0.370
176	14.67	0.87	0.468	0.098	(0.173)	0.370
177	14.75	0.87	0.468	0.097	(0.173)	0.371
178	14.83	0.83	0.450	0.097	(0.167)	0.353
179	14.92	0.83	0.450	0.096	(0.167)	0.354
180	15.00	0.83	0.450	0.096	(0.167)	0.354
181	15.08	0.80	0.432	0.095	(0.160)	0.337
182	15.17	0.80	0.432	0.095	(0.160)	0.337
183	15.25	0.80	0.432	0.094	(0.160)	0.338
184	15.33	0.77	0.414	0.094	(0.153)	0.320
185	15.42	0.77	0.414	0.093	(0.153)	0.321
186	15.50	0.77	0.414	0.093	(0.153)	0.321
187	15.58	0.63	0.342	0.092	(0.127)	0.250
188	15.67	0.63	0.342	0.092	(0.127)	0.250
189	15.75	0.63	0.342	0.091	(0.127)	0.251
190	15.83	0.63	0.342	0.091	(0.127)	0.251
191	15.92	0.63	0.342	0.090	(0.127)	0.252
192	16.00	0.63	0.342	0.090	(0.127)	0.252
193	16.08	0.13	0.072	(0.089)	0.027	0.045
194	16.17	0.13	0.072	(0.089)	0.027	0.045
195	16.25	0.13	0.072	(0.089)	0.027	0.045
196	16.33	0.13	0.072	(0.088)	0.027	0.045
197	16.42	0.13	0.072	(0.088)	0.027	0.045
198	16.50	0.13	0.072	(0.087)	0.027	0.045
199	16.58	0.10	0.054	(0.087)	0.020	0.034
200	16.67	0.10	0.054	(0.086)	0.020	0.034
201	16.75	0.10	0.054	(0.086)	0.020	0.034
202	16.83	0.10	0.054	(0.085)	0.020	0.034
203	16.92	0.10	0.054	(0.085)	0.020	0.034
204	17.00	0.10	0.054	(0.085)	0.020	0.034
205	17.08	0.17	0.090	(0.084)	0.033	0.057
206	17.17	0.17	0.090	(0.084)	0.033	0.057

207	17.25	0.17	0.090	(0.083)	0.033	0.057
208	17.33	0.17	0.090	(0.083)	0.033	0.057
209	17.42	0.17	0.090	(0.082)	0.033	0.057
210	17.50	0.17	0.090	(0.082)	0.033	0.057
211	17.58	0.17	0.090	(0.082)	0.033	0.057
212	17.67	0.17	0.090	(0.081)	0.033	0.057
213	17.75	0.17	0.090	(0.081)	0.033	0.057
214	17.83	0.13	0.072	(0.080)	0.027	0.045
215	17.92	0.13	0.072	(0.080)	0.027	0.045
216	18.00	0.13	0.072	(0.080)	0.027	0.045
217	18.08	0.13	0.072	(0.079)	0.027	0.045
218	18.17	0.13	0.072	(0.079)	0.027	0.045
219	18.25	0.13	0.072	(0.078)	0.027	0.045
220	18.33	0.13	0.072	(0.078)	0.027	0.045
221	18.42	0.13	0.072	(0.078)	0.027	0.045
222	18.50	0.13	0.072	(0.077)	0.027	0.045
223	18.58	0.10	0.054	(0.077)	0.020	0.034
224	18.67	0.10	0.054	(0.077)	0.020	0.034
225	18.75	0.10	0.054	(0.076)	0.020	0.034
226	18.83	0.07	0.036	(0.076)	0.013	0.023
227	18.92	0.07	0.036	(0.076)	0.013	0.023
228	19.00	0.07	0.036	(0.075)	0.013	0.023
229	19.08	0.10	0.054	(0.075)	0.020	0.034
230	19.17	0.10	0.054	(0.074)	0.020	0.034
231	19.25	0.10	0.054	(0.074)	0.020	0.034
232	19.33	0.13	0.072	(0.074)	0.027	0.045
233	19.42	0.13	0.072	(0.073)	0.027	0.045
234	19.50	0.13	0.072	(0.073)	0.027	0.045
235	19.58	0.10	0.054	(0.073)	0.020	0.034
236	19.67	0.10	0.054	(0.072)	0.020	0.034
237	19.75	0.10	0.054	(0.072)	0.020	0.034
238	19.83	0.07	0.036	(0.072)	0.013	0.023
239	19.92	0.07	0.036	(0.071)	0.013	0.023
240	20.00	0.07	0.036	(0.071)	0.013	0.023
241	20.08	0.10	0.054	(0.071)	0.020	0.034
242	20.17	0.10	0.054	(0.070)	0.020	0.034
243	20.25	0.10	0.054	(0.070)	0.020	0.034
244	20.33	0.10	0.054	(0.070)	0.020	0.034
245	20.42	0.10	0.054	(0.070)	0.020	0.034
246	20.50	0.10	0.054	(0.069)	0.020	0.034
247	20.58	0.10	0.054	(0.069)	0.020	0.034
248	20.67	0.10	0.054	(0.069)	0.020	0.034
249	20.75	0.10	0.054	(0.068)	0.020	0.034
250	20.83	0.07	0.036	(0.068)	0.013	0.023
251	20.92	0.07	0.036	(0.068)	0.013	0.023
252	21.00	0.07	0.036	(0.068)	0.013	0.023
253	21.08	0.10	0.054	(0.067)	0.020	0.034
254	21.17	0.10	0.054	(0.067)	0.020	0.034
255	21.25	0.10	0.054	(0.067)	0.020	0.034
256	21.33	0.07	0.036	(0.067)	0.013	0.023
257	21.42	0.07	0.036	(0.066)	0.013	0.023
258	21.50	0.07	0.036	(0.066)	0.013	0.023

```
259  21.58     0.10      0.054       (  0.066)       0.020        0.034
260  21.67     0.10      0.054       (  0.066)       0.020        0.034
261  21.75     0.10      0.054       (  0.065)       0.020        0.034
262  21.83     0.07      0.036       (  0.065)       0.013        0.023
263  21.92     0.07      0.036       (  0.065)       0.013        0.023
264  22.00     0.07      0.036       (  0.065)       0.013        0.023
265  22.08     0.10      0.054       (  0.064)       0.020        0.034
266  22.17     0.10      0.054       (  0.064)       0.020        0.034
267  22.25     0.10      0.054       (  0.064)       0.020        0.034
268  22.33     0.07      0.036       (  0.064)       0.013        0.023
269  22.42     0.07      0.036       (  0.064)       0.013        0.023
270  22.50     0.07      0.036       (  0.063)       0.013        0.023
271  22.58     0.07      0.036       (  0.063)       0.013        0.023
272  22.67     0.07      0.036       (  0.063)       0.013        0.023
273  22.75     0.07      0.036       (  0.063)       0.013        0.023
274  22.83     0.07      0.036       (  0.063)       0.013        0.023
275  22.92     0.07      0.036       (  0.063)       0.013        0.023
276  23.00     0.07      0.036       (  0.062)       0.013        0.023
277  23.08     0.07      0.036       (  0.062)       0.013        0.023
278  23.17     0.07      0.036       (  0.062)       0.013        0.023
279  23.25     0.07      0.036       (  0.062)       0.013        0.023
280  23.33     0.07      0.036       (  0.062)       0.013        0.023
281  23.42     0.07      0.036       (  0.062)       0.013        0.023
282  23.50     0.07      0.036       (  0.062)       0.013        0.023
283  23.58     0.07      0.036       (  0.062)       0.013        0.023
284  23.67     0.07      0.036       (  0.061)       0.013        0.023
285  23.75     0.07      0.036       (  0.061)       0.013        0.023
286  23.83     0.07      0.036       (  0.061)       0.013        0.023
287  23.92     0.07      0.036       (  0.061)       0.013        0.023
288  24.00     0.07      0.036       (  0.061)       0.013        0.023
                (Loss Rate Not Used)
    Sum =     100.0                                  Sum =    37.5
       Flood volume = Effective rainfall      3.13(In)
        times area       7.2(Ac.)/[(In)/(Ft.)] =       1.9(Ac.Ft)
       Total soil loss =      1.37(In)
       Total soil loss =     0.824(Ac.Ft)
       Total rainfall =      4.50(In)
       Flood volume =       81730.0 Cubic Feet
       Total soil loss =       35880.4 Cubic Feet
       ---------------------------------------------------------------------
        Peak flow rate of this hydrograph =      3.678(CFS)
       ---------------------------------------------------------------------
       +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                           24 - H O U R    S T O R M
                       R u n o f f      H y d r o g r a p h
       ---------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals ((CFS))

       ---------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0        2.5       5.0       7.5      10.0
 ---------------------------------------------------------------------
   0+ 5       0.0004      0.06  Q         |         |         |         |
```

0+10	0.0014	0.14	Q				
0+15	0.0025	0.15	Q				
0+20	0.0038	0.19	Q				
0+25	0.0054	0.23	Q				
0+30	0.0071	0.24	Q				
0+35	0.0088	0.25	Q				
0+40	0.0105	0.25	Q				
0+45	0.0122	0.25	Q				
0+50	0.0141	0.28	VQ				
0+55	0.0163	0.32	VQ				
1+ 0	0.0185	0.32	VQ				
1+ 5	0.0205	0.30	VQ				
1+10	0.0223	0.26	VQ				
1+15	0.0241	0.25	VQ				
1+20	0.0258	0.25	Q				
1+25	0.0275	0.25	Q				
1+30	0.0292	0.25	Q				
1+35	0.0309	0.25	Q				
1+40	0.0326	0.25	Q				
1+45	0.0343	0.25	Q				
1+50	0.0362	0.28	VQ				
1+55	0.0384	0.32	VQ				
2+ 0	0.0406	0.32	VQ				
2+ 5	0.0429	0.33	VQ				
2+10	0.0451	0.33	VQ				
2+15	0.0474	0.33	|Q				
2+20	0.0497	0.33	|Q				
2+25	0.0519	0.33	|Q				
2+30	0.0542	0.33	|Q				
2+35	0.0567	0.36	|Q				
2+40	0.0594	0.40	|Q				
2+45	0.0622	0.41	|Q				
2+50	0.0650	0.41	|Q				
2+55	0.0679	0.41	|Q				
3+ 0	0.0707	0.41	|Q				
3+ 5	0.0735	0.41	|Q				
3+10	0.0764	0.41	|Q				
3+15	0.0792	0.41	|Q				
3+20	0.0820	0.41	|Q				
3+25	0.0849	0.41	|Q				
3+30	0.0877	0.41	|Q				
3+35	0.0905	0.41	|Q				
3+40	0.0934	0.41	|Q				
3+45	0.0962	0.41	|QV				
3+50	0.0993	0.44	|QV				
3+55	0.1026	0.48	|QV				
4+ 0	0.1059	0.49	|QV				
4+ 5	0.1093	0.49	|QV				
4+10	0.1127	0.49	|QV				
4+15	0.1161	0.49	|QV				
4+20	0.1198	0.53	| Q				
4+25	0.1236	0.56	| Q				

```
4+30       0.1276      0.57  | Q       |         |         |         |
4+35       0.1315      0.57  | Q       |         |         |         |
4+40       0.1355      0.58  | Q       |         |         |         |
4+45       0.1395      0.58  | Q       |         |         |         |
4+50       0.1436      0.61  | QV      |         |         |         |
4+55       0.1481      0.65  | QV      |         |         |         |
5+ 0       0.1526      0.65  | QV      |         |         |         |
5+ 5       0.1567      0.59  | QV      |         |         |         |
5+10       0.1602      0.52  | QV      |         |         |         |
5+15       0.1637      0.50  | QV      |         |         |         |
5+20       0.1673      0.53  | QV      |         |         |         |
5+25       0.1712      0.56  | QV      |         |         |         |
5+30       0.1752      0.57  | QV      |         |         |         |
5+35       0.1793      0.61  | QV      |         |         |         |
5+40       0.1838      0.65  | QV      |         |         |         |
5+45       0.1883      0.65  | Q V     |         |         |         |
5+50       0.1928      0.66  | Q V     |         |         |         |
5+55       0.1973      0.66  | Q V     |         |         |         |
6+ 0       0.2019      0.66  | Q V     |         |         |         |
6+ 5       0.2066      0.69  | Q V     |         |         |         |
6+10       0.2116      0.73  | Q V     |         |         |         |
6+15       0.2167      0.74  | Q V     |         |         |         |
6+20       0.2218      0.74  | Q V     |         |         |         |
6+25       0.2269      0.74  | Q V     |         |         |         |
6+30       0.2320      0.74  | Q V     |         |         |         |
6+35       0.2373      0.77  |  Q V    |         |         |         |
6+40       0.2429      0.81  |  Q V    |         |         |         |
6+45       0.2485      0.82  |  Q V    |         |         |         |
6+50       0.2542      0.82  |  Q V    |         |         |         |
6+55       0.2598      0.82  |  Q V    |         |         |         |
7+ 0       0.2655      0.82  |  Q V    |         |         |         |
7+ 5       0.2712      0.82  |  Q V    |         |         |         |
7+10       0.2768      0.82  |  Q V    |         |         |         |
7+15       0.2825      0.82  |  Q  V   |         |         |         |
7+20       0.2884      0.86  |  Q  V   |         |         |         |
7+25       0.2945      0.89  |  Q  V   |         |         |         |
7+30       0.3007      0.90  |  Q  V   |         |         |         |
7+35       0.3072      0.94  |  Q  V   |         |         |         |
7+40       0.3139      0.97  |  Q  V   |         |         |         |
7+45       0.3207      0.98  |  Q  V   |         |         |         |
7+50       0.3277      1.02  |   Q V   |         |         |         |
7+55       0.3350      1.06  |   Q  V  |         |         |         |
8+ 0       0.3423      1.06  |   Q  V  |         |         |         |
8+ 5       0.3501      1.13  |   Q  V  |         |         |         |
8+10       0.3584      1.21  |   Q  V  |         |         |         |
8+15       0.3668      1.22  |   Q  V  |         |         |         |
8+20       0.3753      1.23  |   Q   V |         |         |         |
8+25       0.3838      1.23  |   Q   V |         |         |         |
8+30       0.3923      1.23  |   Q   V |         |         |         |
8+35       0.4010      1.27  |    Q  V |         |         |         |
8+40       0.4100      1.30  |    Q  V |         |         |         |
8+45       0.4190      1.31  |    Q  V |         |         |         |
```

8+50	0.4283	1.35	Q V				
8+55	0.4379	1.39	Q V				
9+ 0	0.4475	1.39	Q V				
9+ 5	0.4575	1.46	Q V				
9+10	0.4681	1.54	Q V				
9+15	0.4788	1.55	Q V				
9+20	0.4898	1.59	Q V				
9+25	0.5010	1.63	Q V				
9+30	0.5123	1.64	Q V				
9+35	0.5240	1.70	Q |V				
9+40	0.5362	1.76	Q |V				
9+45	0.5484	1.78	Q |V				
9+50	0.5611	1.84	Q |V				
9+55	0.5742	1.91	Q | V				
10+ 0	0.5875	1.92	Q | V				
10+ 5	0.5989	1.66	Q | V				
10+10	0.6082	1.34	Q | V				
10+15	0.6169	1.28	Q | V				
10+20	0.6255	1.25	Q | V				
10+25	0.6340	1.23	Q | V				
10+30	0.6425	1.23	Q | V				
10+35	0.6523	1.42	Q | V				
10+40	0.6636	1.63	Q | V				
10+45	0.6752	1.68	Q | V				
10+50	0.6869	1.71	Q | V				
10+55	0.6988	1.72	Q | V				
11+ 0	0.7106	1.72	Q | V				
11+ 5	0.7222	1.68	Q | V				
11+10	0.7334	1.62	Q | V				
11+15	0.7445	1.61	Q | V				
11+20	0.7556	1.61	Q | V				
11+25	0.7667	1.62	Q | V				
11+30	0.7779	1.62	Q | V				
11+35	0.7884	1.53	Q | V				
11+40	0.7983	1.43	Q | V				
11+45	0.8080	1.41	Q | V				
11+50	0.8180	1.45	Q | V				
11+55	0.8283	1.49	Q | V				
12+ 0	0.8387	1.51	Q | V				
12+ 5	0.8516	1.88	Q | V				
12+10	0.8674	2.29	Q| V				
12+15	0.8839	2.39	Q| V				
12+20	0.9009	2.48	Q| V				
12+25	0.9186	2.56	Q V|				
12+30	0.9363	2.58	Q V|				
12+35	0.9548	2.69	Q V				
12+40	0.9742	2.81	|Q V				
12+45	0.9938	2.84	|Q |V				
12+50	1.0138	2.91	|Q |V				
12+55	1.0343	2.98	|Q | V				
13+ 0	1.0549	2.99	|Q | V				
13+ 5	1.0774	3.26	| Q | V				

13+10	1.1019	3.56	| Q | V |
13+15	1.1269	3.63	| Q | V |
13+20	1.1521	3.66	| Q | V |
13+25	1.1774	3.67	| Q | V |
13+30	1.2027	3.68	| Q | V |
13+35	1.2242	3.12	| Q | V |
13+40	1.2412	2.47	| Q | V |
13+45	1.2573	2.34	| Q | V |
13+50	1.2730	2.28	| Q | V |
13+55	1.2886	2.26	| Q | V |
14+ 0	1.3042	2.26	| Q | V |
14+ 5	1.3212	2.47	| Q | V |
14+10	1.3399	2.71	| Q | V |
14+15	1.3590	2.77	| Q | V |
14+20	1.3778	2.74	| Q | V |
14+25	1.3964	2.70	| Q | V |
14+30	1.4149	2.69	| Q | V |
14+35	1.4334	2.68	| Q | V |
14+40	1.4519	2.69	| Q | V |
14+45	1.4704	2.69	| Q | V |
14+50	1.4886	2.64	| Q | V |
14+55	1.5064	2.59	| Q | V |
15+ 0	1.5242	2.58	| Q | V |
15+ 5	1.5415	2.52	| Q | V |
15+10	1.5585	2.47	| Q | V |
15+15	1.5755	2.46	| Q | V |
15+20	1.5920	2.40	| Q | V |
15+25	1.6082	2.35	| Q | V |
15+30	1.6243	2.34	| Q | V |
15+35	1.6389	2.13	| Q | V |
15+40	1.6520	1.90	| Q | V |
15+45	1.6647	1.85	| Q | V |
15+50	1.6773	1.83	| Q | V |
15+55	1.6899	1.82	| Q | V |
16+ 0	1.7025	1.83	| Q | V |
16+ 5	1.7110	1.24	| Q | V |
16+10	1.7149	0.56	| Q | V |
16+15	1.7178	0.42	| Q | V |
16+20	1.7202	0.36	| Q | V |
16+25	1.7225	0.33	| Q | V |
16+30	1.7248	0.33	| Q | V |
16+35	1.7268	0.30	| Q | V |
16+40	1.7286	0.26	| Q | V |
16+45	1.7303	0.25	| Q | V |
16+50	1.7320	0.25	| Q | V |
16+55	1.7337	0.25	| Q | V |
17+ 0	1.7354	0.25	| Q | V |
17+ 5	1.7376	0.31	| Q | V |
17+10	1.7402	0.39	| Q | V |
17+15	1.7430	0.40	| Q | V |
17+20	1.7458	0.41	| Q | V |
17+25	1.7486	0.41	| Q | V |

```
17+30       1.7515      0.41  |Q        |         |         |      V  |
17+35       1.7543      0.41  |Q        |         |         |      V  |
17+40       1.7571      0.41  |Q        |         |         |      V  |
17+45       1.7600      0.41  |Q        |         |         |      V  |
17+50       1.7626      0.38  |Q        |         |         |      V  |
17+55       1.7649      0.34  |Q        |         |         |      V  |
18+ 0       1.7672      0.33  |Q        |         |         |      V  |
18+ 5       1.7695      0.33  |Q        |         |         |      V  |
18+10       1.7718      0.33  |Q        |         |         |      V  |
18+15       1.7741      0.33  |Q        |         |         |      V  |
18+20       1.7763      0.33  |Q        |         |         |      V  |
18+25       1.7786      0.33  |Q        |         |         |      V  |
18+30       1.7809      0.33  |Q        |         |         |      V  |
18+35       1.7829      0.30  |Q        |         |         |       V |
18+40       1.7847      0.26  |Q        |         |         |       V |
18+45       1.7864      0.25  |Q        |         |         |       V |
18+50       1.7879      0.22  Q        |         |         |       V |
18+55       1.7891      0.18  Q        |         |         |       V |
19+ 0       1.7903      0.17  Q        |         |         |       V |
19+ 5       1.7917      0.20  Q        |         |         |       V |
19+10       1.7933      0.23  Q        |         |         |       V |
19+15       1.7949      0.24  Q        |         |         |       V |
19+20       1.7969      0.28  |Q       |         |         |       V |
19+25       1.7990      0.32  |Q       |         |         |       V |
19+30       1.8013      0.32  |Q       |         |         |       V |
19+35       1.8033      0.30  |Q       |         |         |       V |
19+40       1.8051      0.26  |Q       |         |         |       V |
19+45       1.8068      0.25  |Q       |         |         |       V |
19+50       1.8083      0.22  Q        |         |         |       V |
19+55       1.8095      0.18  Q        |         |         |       V |
20+ 0       1.8107      0.17  Q        |         |         |       V |
20+ 5       1.8121      0.20  Q        |         |         |       V |
20+10       1.8137      0.23  Q        |         |         |       V |
20+15       1.8153      0.24  Q        |         |         |       V |
20+20       1.8170      0.25  Q        |         |         |       V |
20+25       1.8187      0.25  Q        |         |         |       V |
20+30       1.8204      0.25  Q        |         |         |       V |
20+35       1.8221      0.25  Q        |         |         |       V |
20+40       1.8238      0.25  Q        |         |         |       V |
20+45       1.8255      0.25  Q        |         |         |       V |
20+50       1.8270      0.21  Q        |         |         |       V |
20+55       1.8282      0.18  Q        |         |         |       V |
21+ 0       1.8294      0.17  Q        |         |         |        V|
21+ 5       1.8308      0.20  Q        |         |         |        V|
21+10       1.8324      0.23  Q        |         |         |        V|
21+15       1.8340      0.24  Q        |         |         |        V|
21+20       1.8355      0.21  Q        |         |         |        V|
21+25       1.8367      0.18  Q        |         |         |        V|
21+30       1.8379      0.17  Q        |         |         |        V|
21+35       1.8393      0.20  Q        |         |         |        V|
21+40       1.8409      0.23  Q        |         |         |        V|
21+45       1.8425      0.24  Q        |         |         |        V|
```

21+50	1.8440	0.21	Q	|	|	|	V|
21+55	1.8452	0.18	Q	|	|	|	V|
22+ 0	1.8464	0.17	Q	|	|	|	V|
22+ 5	1.8478	0.20	Q	|	|	|	V|
22+10	1.8494	0.23	Q	|	|	|	V|
22+15	1.8510	0.24	Q	|	|	|	V|
22+20	1.8525	0.21	Q	|	|	|	V|
22+25	1.8537	0.18	Q	|	|	|	V|
22+30	1.8549	0.17	Q	|	|	|	V|
22+35	1.8560	0.17	Q	|	|	|	V|
22+40	1.8572	0.16	Q	|	|	|	V|
22+45	1.8583	0.16	Q	|	|	|	V|
22+50	1.8594	0.16	Q	|	|	|	V|
22+55	1.8606	0.16	Q	|	|	|	V|
23+ 0	1.8617	0.16	Q	|	|	|	V|
23+ 5	1.8628	0.16	Q	|	|	|	V|
23+10	1.8640	0.16	Q	|	|	|	V|
23+15	1.8651	0.16	Q	|	|	|	V|
23+20	1.8662	0.16	Q	|	|	|	V|
23+25	1.8674	0.16	Q	|	|	|	V|
23+30	1.8685	0.16	Q	|	|	|	V|
23+35	1.8696	0.16	Q	|	|	|	V|
23+40	1.8708	0.16	Q	|	|	|	V|
23+45	1.8719	0.16	Q	|	|	|	V|
23+50	1.8730	0.16	Q	|	|	|	V|
23+55	1.8742	0.16	Q	|	|	|	V|
24+ 0	1.8753	0.16	Q	|	|	|	V|
24+ 5	1.8760	0.10	Q	|	|	|	V|
24+10	1.8762	0.03	Q	|	|	|	V|
24+15	1.8762	0.01	Q	|	|	|	V|
24+20	1.8763	0.00	Q	|	|	|	V|

C.2 – UNIT HYDROGRAPH ANALYSIS, 100-YEAR AREA "B"

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018, Version 9.0
Study date 09/12/23 File: BDEV1100.out

++

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6545

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

ACACIA POINTE
DEVELOPED UNIT HYDROGRAPH ANALYSIS
AREA B
100-YEAR, 1-HOUR

Drainage Area = 4.81(Ac.) = 0.008 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 4.81(Ac.) = 0.008 Sq. Mi.
Length along longest watercourse = 876.00(Ft.)
Length along longest watercourse measured to centroid = 656.00(Ft.)
Length along longest watercourse = 0.166 Mi.
Length along longest watercourse measured to centroid = 0.124 Mi.
Difference in elevation = 10.00(Ft.)
Slope along watercourse = 60.2740 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.038 Hr.
Lag time = 2.27 Min.
25% of lag time = 0.57 Min.
40% of lag time = 0.91 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1] Rainfall(In)[2] Weighting[1*2]

```
        4.81            0.45                    2.16

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        4.81            1.20                    5.77

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.450(In)
Area Averaged 100-Year Rainfall =    1.200(In)

Point rain (area averaged) =    1.200(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    1.200(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     4.810           76.00         0.647
 Total Area Entered =      4.81(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
76.0  76.0      0.291     0.647        0.122       1.000      0.122
                                                 Sum (F) =   0.122
Area averaged mean soil loss (F) (In/Hr) =  0.122
Minimum soil loss rate ((In/Hr)) =  0.061
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.382
------------------------------------------------------------------------
Slope of intensity-duration curve for a 1 hour storm =0.5000
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                        VALLEY S-Curve
-------------------------------------------------------------------
                Unit Hydrograph Data
-------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %            (CFS)
-------------------------------------------------------------------
    1   0.083        220.479         46.729              2.265
    2   0.167        440.958         41.964              2.034
    3   0.250        661.438          8.022              0.389
    4   0.333        881.917          3.285              0.159
                              Sum = 100.000   Sum=       4.848
-------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value
```

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	4.20	0.605	0.122	(0.231)	0.483
2	0.17	4.30	0.619	0.122	(0.237)	0.498
3	0.25	5.00	0.720	0.122	(0.275)	0.598
4	0.33	5.00	0.720	0.122	(0.275)	0.598
5	0.42	5.80	0.835	0.122	(0.319)	0.714
6	0.50	6.50	0.936	0.122	(0.358)	0.814
7	0.58	7.40	1.066	0.122	(0.407)	0.944
8	0.67	8.60	1.238	0.122	(0.474)	1.117
9	0.75	12.30	1.771	0.122	(0.677)	1.649
10	0.83	29.10	4.190	0.122	(1.602)	4.069
11	0.92	6.80	0.979	0.122	(0.374)	0.858
12	1.00	5.00	0.720	0.122	(0.275)	0.598
		(Loss Rate Not Used)				
Sum =		100.0			Sum =	12.9

Flood volume = Effective rainfall 1.08(In)
times area 4.8(Ac.)/[(In)/(Ft.)] = 0.4(Ac.Ft)
Total soil loss = 0.12(In)
Total soil loss = 0.049(Ac.Ft)
Total rainfall = 1.20(In)
Flood volume = 18827.7 Cubic Feet
Total soil loss = 2123.8 Cubic Feet

Peak flow rate of this hydrograph = 13.163(CFS)

++

1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 5.0 10.0 15.0 20.0
0+ 5	0.0075	1.09	V Q
0+10	0.0221	2.11	| V Q
0+15	0.0397	2.56	| V Q
0+20	0.0593	2.84	| Q
0+25	0.0810	3.15	| QV
0+30	0.1059	3.63	| Q V
0+35	0.1346	4.17	| Q | V
0+40	0.1683	4.88	| Q | V
0+45	0.2131	6.51	| | Q V
0+50	0.3037	13.16	| | | Q V |
0+55	0.3798	11.04	| | | Q | V |
1+ 0	0.4139	4.95	| Q | | V |
1+ 5	0.4290	2.20	| Q | | V |
1+10	0.4316	0.37	Q | | V |
1+15	0.4322	0.10	Q | | V

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018, Version 9.0
Study date 09/12/23 File: BDEV3100.out

++

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6545

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

ACACIA POINTE
DEVELOPED UNIT HYDROGRAPH ANALYSIS
AREA B
100-YEAR, 3-HOUR

Drainage Area = 4.81(Ac.) = 0.008 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 4.81(Ac.) = 0.008 Sq. Mi.
Length along longest watercourse = 876.00(Ft.)
Length along longest watercourse measured to centroid = 656.00(Ft.)
Length along longest watercourse = 0.166 Mi.
Length along longest watercourse measured to centroid = 0.124 Mi.
Difference in elevation = 10.00(Ft.)
Slope along watercourse = 60.2740 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.038 Hr.
Lag time = 2.27 Min.
25% of lag time = 0.57 Min.
40% of lag time = 0.91 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1] Rainfall(In)[2] Weighting[1*2]

```
        4.81            0.80                    3.85

100 YEAR Area rainfall data:


Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        4.81            1.90                    9.14

STORM EVENT (YEAR) =  100.00
Area Averaged 2-Year Rainfall =    0.800(In)
Area Averaged 100-Year Rainfall =    1.900(In)

Point rain (area averaged) =    1.900(In)
Areal adjustment factor =  100.00 %
Adjusted average point rain =    1.900(In)

Sub-Area Data:
Area(Ac.)         Runoff Index   Impervious %
     4.810           76.00          0.647
 Total Area Entered =      4.81(Ac.)


RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
76.0  76.0      0.291     0.647        0.122       1.000      0.122
                                                 Sum (F) =   0.122
Area averaged mean soil loss (F) (In/Hr) =  0.122
Minimum soil loss rate ((In/Hr)) =  0.061
(for 24 hour storm duration)
Soil low loss rate (decimal) =   0.382
------------------------------------------------------------------------

                U n i t  H y d r o g r a p h
                        VALLEY S-Curve
------------------------------------------------------------------------
                Unit Hydrograph Data
------------------------------------------------------------------------
Unit time period   Time % of lag   Distribution   Unit Hydrograph
    (hrs)                          Graph %            (CFS)
------------------------------------------------------------------------
    1   0.083        220.479         46.729              2.265
    2   0.167        440.958         41.964              2.034
    3   0.250        661.438          8.022              0.389
    4   0.333        881.917          3.285              0.159
                              Sum = 100.000   Sum=       4.848
------------------------------------------------------------------------

 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
```

	(Hr.)	Percent	(In/Hr)	Max	Low	(In/Hr)	
1	0.08	1.30	0.296	(0.122)	0.113		0.183
2	0.17	1.30	0.296	(0.122)	0.113		0.183
3	0.25	1.10	0.251	(0.122)	0.096		0.155
4	0.33	1.50	0.342	0.122	(0.131)		0.220
5	0.42	1.50	0.342	0.122	(0.131)		0.220
6	0.50	1.80	0.410	0.122	(0.157)		0.289
7	0.58	1.50	0.342	0.122	(0.131)		0.220
8	0.67	1.80	0.410	0.122	(0.157)		0.289
9	0.75	1.80	0.410	0.122	(0.157)		0.289
10	0.83	1.50	0.342	0.122	(0.131)		0.220
11	0.92	1.60	0.365	0.122	(0.139)		0.243
12	1.00	1.80	0.410	0.122	(0.157)		0.289
13	1.08	2.20	0.502	0.122	(0.192)		0.380
14	1.17	2.20	0.502	0.122	(0.192)		0.380
15	1.25	2.20	0.502	0.122	(0.192)		0.380
16	1.33	2.00	0.456	0.122	(0.174)		0.334
17	1.42	2.60	0.593	0.122	(0.227)		0.471
18	1.50	2.70	0.616	0.122	(0.235)		0.494
19	1.58	2.40	0.547	0.122	(0.209)		0.426
20	1.67	2.70	0.616	0.122	(0.235)		0.494
21	1.75	3.30	0.752	0.122	(0.288)		0.631
22	1.83	3.10	0.707	0.122	(0.270)		0.585
23	1.92	2.90	0.661	0.122	(0.253)		0.540
24	2.00	3.00	0.684	0.122	(0.262)		0.562
25	2.08	3.10	0.707	0.122	(0.270)		0.585
26	2.17	4.20	0.958	0.122	(0.366)		0.836
27	2.25	5.00	1.140	0.122	(0.436)		1.018
28	2.33	3.50	0.798	0.122	(0.305)		0.676
29	2.42	6.80	1.550	0.122	(0.593)		1.429
30	2.50	7.30	1.664	0.122	(0.636)		1.543
31	2.58	8.20	1.870	0.122	(0.715)		1.748
32	2.67	5.90	1.345	0.122	(0.514)		1.224
33	2.75	2.00	0.456	0.122	(0.174)		0.334
34	2.83	1.80	0.410	0.122	(0.157)		0.289
35	2.92	1.80	0.410	0.122	(0.157)		0.289
36	3.00	0.60	0.137	(0.122)	0.052		0.084

(Loss Rate Not Used)

Sum = 100.0 Sum = 18.5

Flood volume = Effective rainfall 1.54(In)
times area 4.8(Ac.)/[(In)/(Ft.)] = 0.6(Ac.Ft)
Total soil loss = 0.36(In)
Total soil loss = 0.143(Ac.Ft)
Total rainfall = 1.90(In)
Flood volume = 26965.0 Cubic Feet
Total soil loss = 6208.9 Cubic Feet

Peak flow rate of this hydrograph = 7.765(CFS)

++

3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0029	0.41	VQ				
0+10	0.0083	0.79	V Q				
0+15	0.0138	0.79	V Q				
0+20	0.0201	0.92	V Q				
0+25	0.0272	1.04	V Q				
0+30	0.0356	1.21	V Q				
0+35	0.0439	1.21	V Q				
0+40	0.0525	1.25	V Q				
0+45	0.0619	1.37	VQ				
0+50	0.0705	1.23	Q				
0+55	0.0784	1.16	QV				
1+ 0	0.0873	1.28	Q				
1+ 5	0.0981	1.58	Q				
1+10	0.1104	1.79	Q				
1+15	0.1230	1.83	Q				
1+20	0.1350	1.74	Q V				
1+25	0.1485	1.96	Q V				
1+30	0.1641	2.27	QV				
1+35	0.1793	2.21	Q V				
1+40	0.1948	2.25	Q V				
1+45	0.2133	2.68	Q V				
1+50	0.2330	2.87	Q V				
1+55	0.2519	2.74	Q V				
2+ 0	0.2705	2.70	Q V				
2+ 5	0.2896	2.77	Q V				
2+10	0.3129	3.39	Q V				
2+15	0.3427	4.33	Q V				
2+20	0.3704	4.02	Q V				
2+25	0.4059	5.14	Q V				
2+30	0.4529	6.83	Q V				
2+35	0.5064	7.77	QV				
2+40	0.5557	7.16	Q V				
2+45	0.5844	4.17	Q V				
2+50	0.5988	2.09	Q V				
2+55	0.6096	1.57	Q V				
3+ 0	0.6161	0.94	Q V				
3+ 5	0.6184	0.33	Q V				
3+10	0.6189	0.08	Q V				
3+15	0.6190	0.01	Q V				

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018, Version 9.0
Study date 09/12/23 File: BDEV6100.out

++

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6545

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

ACACIA POINTE
DEVELOPED UNIT HYDROGRAPH ANALYSIS
AREA B
100-YEAR, 6-HOUR

Drainage Area = 4.81(Ac.) = 0.008 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 4.81(Ac.) = 0.008 Sq. Mi.
Length along longest watercourse = 876.00(Ft.)
Length along longest watercourse measured to centroid = 656.00(Ft.)
Length along longest watercourse = 0.166 Mi.
Length along longest watercourse measured to centroid = 0.124 Mi.
Difference in elevation = 10.00(Ft.)
Slope along watercourse = 60.2740 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.038 Hr.
Lag time = 2.27 Min.
25% of lag time = 0.57 Min.
40% of lag time = 0.91 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1] Rainfall(In)[2] Weighting[1*2]

```
        4.81            1.00                    4.81

 100 YEAR Area rainfall data:


 Area(Ac.)[1]       Rainfall(In)[2]      Weighting[1*2]
        4.81            2.50                   12.02

 STORM EVENT (YEAR) =  100.00
 Area Averaged 2-Year Rainfall =    1.000(In)
 Area Averaged 100-Year Rainfall =    2.500(In)

 Point rain (area averaged) =    2.500(In)
 Areal adjustment factor =  100.00 %
 Adjusted average point rain =    2.500(In)

 Sub-Area Data:
 Area(Ac.)         Runoff Index   Impervious %
      4.810           76.00         0.647
  Total Area Entered =      4.81(Ac.)


 RI    RI   Infil. Rate Impervious   Adj. Infil. Rate  Area%     F
 AMC2 AMC-2     (In/Hr)    (Dec.%)     (In/Hr)      (Dec.)    (In/Hr)
 76.0  76.0      0.291     0.647        0.122       1.000      0.122
                                                  Sum (F) =   0.122
 Area averaged mean soil loss (F) (In/Hr) =  0.122
 Minimum soil loss rate ((In/Hr)) =  0.061
 (for 24 hour storm duration)
 Soil low loss rate (decimal) =   0.382
 ------------------------------------------------------------------------

                 U n i t  H y d r o g r a p h
                         VALLEY S-Curve
 ------------------------------------------------------------------------
                 Unit Hydrograph Data
 ------------------------------------------------------------------------
 Unit time period   Time % of lag   Distribution   Unit Hydrograph
     (hrs)                          Graph %            (CFS)
 ------------------------------------------------------------------------
     1   0.083        220.479         46.729              2.265
     2   0.167        440.958         41.964              2.034
     3   0.250        661.438          8.022              0.389
     4   0.333        881.917          3.285              0.159
                                Sum = 100.000   Sum=       4.848
-------------------------------------------------------------------------


 The following loss rate calculations reflect use of the minimum calculated loss
 rate subtracted from the Storm Rain to produce the maximum Effective Rain value

  Unit Time   Pattern   Storm Rain     Loss rate(In./Hr)     Effective
```

	(Hr.)	Percent	(In/Hr)	Max		Low	(In/Hr)
1	0.08	0.50	0.150	(0.122)		0.057	0.093
2	0.17	0.60	0.180	(0.122)		0.069	0.111
3	0.25	0.60	0.180	(0.122)		0.069	0.111
4	0.33	0.60	0.180	(0.122)		0.069	0.111
5	0.42	0.60	0.180	(0.122)		0.069	0.111
6	0.50	0.70	0.210	(0.122)		0.080	0.130
7	0.58	0.70	0.210	(0.122)		0.080	0.130
8	0.67	0.70	0.210	(0.122)		0.080	0.130
9	0.75	0.70	0.210	(0.122)		0.080	0.130
10	0.83	0.70	0.210	(0.122)		0.080	0.130
11	0.92	0.70	0.210	(0.122)		0.080	0.130
12	1.00	0.80	0.240	(0.122)		0.092	0.148
13	1.08	0.80	0.240	(0.122)		0.092	0.148
14	1.17	0.80	0.240	(0.122)		0.092	0.148
15	1.25	0.80	0.240	(0.122)		0.092	0.148
16	1.33	0.80	0.240	(0.122)		0.092	0.148
17	1.42	0.80	0.240	(0.122)		0.092	0.148
18	1.50	0.80	0.240	(0.122)		0.092	0.148
19	1.58	0.80	0.240	(0.122)		0.092	0.148
20	1.67	0.80	0.240	(0.122)		0.092	0.148
21	1.75	0.80	0.240	(0.122)		0.092	0.148
22	1.83	0.80	0.240	(0.122)		0.092	0.148
23	1.92	0.80	0.240	(0.122)		0.092	0.148
24	2.00	0.90	0.270	(0.122)		0.103	0.167
25	2.08	0.80	0.240	(0.122)		0.092	0.148
26	2.17	0.90	0.270	(0.122)		0.103	0.167
27	2.25	0.90	0.270	(0.122)		0.103	0.167
28	2.33	0.90	0.270	(0.122)		0.103	0.167
29	2.42	0.90	0.270	(0.122)		0.103	0.167
30	2.50	0.90	0.270	(0.122)		0.103	0.167
31	2.58	0.90	0.270	(0.122)		0.103	0.167
32	2.67	0.90	0.270	(0.122)		0.103	0.167
33	2.75	1.00	0.300	(0.122)		0.115	0.185
34	2.83	1.00	0.300	(0.122)		0.115	0.185
35	2.92	1.00	0.300	(0.122)		0.115	0.185
36	3.00	1.00	0.300	(0.122)		0.115	0.185
37	3.08	1.00	0.300	(0.122)		0.115	0.185
38	3.17	1.10	0.330	0.122	(	0.126)	0.208
39	3.25	1.10	0.330	0.122	(	0.126)	0.208
40	3.33	1.10	0.330	0.122	(	0.126)	0.208
41	3.42	1.20	0.360	0.122	(	0.138)	0.238
42	3.50	1.30	0.390	0.122	(	0.149)	0.268
43	3.58	1.40	0.420	0.122	(	0.161)	0.298
44	3.67	1.40	0.420	0.122	(	0.161)	0.298
45	3.75	1.50	0.450	0.122	(	0.172)	0.328
46	3.83	1.50	0.450	0.122	(	0.172)	0.328
47	3.92	1.60	0.480	0.122	(	0.184)	0.358
48	4.00	1.60	0.480	0.122	(	0.184)	0.358
49	4.08	1.70	0.510	0.122	(	0.195)	0.388
50	4.17	1.80	0.540	0.122	(	0.206)	0.418
51	4.25	1.90	0.570	0.122	(	0.218)	0.448

```
52   4.33     2.00      0.600          0.122    (  0.229)        0.478
53   4.42     2.10      0.630          0.122    (  0.241)        0.508
54   4.50     2.10      0.630          0.122    (  0.241)        0.508
55   4.58     2.20      0.660          0.122    (  0.252)        0.538
56   4.67     2.30      0.690          0.122    (  0.264)        0.568
57   4.75     2.40      0.720          0.122    (  0.275)        0.598
58   4.83     2.40      0.720          0.122    (  0.275)        0.598
59   4.92     2.50      0.750          0.122    (  0.287)        0.628
60   5.00     2.60      0.780          0.122    (  0.298)        0.658
61   5.08     3.10      0.930          0.122    (  0.356)        0.808
62   5.17     3.60      1.080          0.122    (  0.413)        0.958
63   5.25     3.90      1.170          0.122    (  0.447)        1.048
64   5.33     4.20      1.260          0.122    (  0.482)        1.138
65   5.42     4.70      1.410          0.122    (  0.539)        1.288
66   5.50     5.60      1.680          0.122    (  0.642)        1.558
67   5.58     1.90      0.570          0.122    (  0.218)        0.448
68   5.67     0.90      0.270       (  0.122)       0.103        0.167
69   5.75     0.60      0.180       (  0.122)       0.069        0.111
70   5.83     0.50      0.150       (  0.122)       0.057        0.093
71   5.92     0.30      0.090       (  0.122)       0.034        0.056
72   6.00     0.20      0.060       (  0.122)       0.023        0.037
               (Loss Rate Not Used)
   Sum =     100.0                                    Sum =    22.7
      Flood volume = Effective rainfall      1.89(In)
       times area       4.8(Ac.)/[(In)/(Ft.)] =       0.8(Ac.Ft)
      Total soil loss =      0.61(In)
      Total soil loss =     0.245(Ac.Ft)
      Total rainfall =      2.50(In)
      Flood volume =       32965.9 Cubic Feet
      Total soil loss =       10684.2 Cubic Feet
      ---------------------------------------------------------------------
       Peak flow rate of this hydrograph =      6.764(CFS)
      ---------------------------------------------------------------------
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          6 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ---------------------------------------------------------------------
                  Hydrograph in   5   Minute intervals ((CFS))

      ---------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0        2.5       5.0       7.5      10.0
-------------------------------------------------------------------------
  0+ 5       0.0014      0.21  Q         |         |         |         |
  0+10       0.0045      0.44  VQ        |         |         |         |
  0+15       0.0080      0.51  V Q       |         |         |         |
  0+20       0.0117      0.54  V Q       |         |         |         |
  0+25       0.0154      0.54  V Q       |         |         |         |
  0+30       0.0194      0.58  |VQ       |         |         |         |
  0+35       0.0237      0.62  |VQ       |         |         |         |
  0+40       0.0280      0.63  |VQ       |         |         |         |
  0+45       0.0323      0.63  |VQ       |         |         |         |
  0+50       0.0367      0.63  |VQ       |         |         |         |
```

```
0+55       0.0410      0.63  | Q       |         |         |         |
1+ 0       0.0456      0.67  | Q       |         |         |         |
1+ 5       0.0505      0.71  | Q       |         |         |         |
1+10       0.0554      0.72  | Q       |         |         |         |
1+15       0.0604      0.72  | QV      |         |         |         |
1+20       0.0653      0.72  | QV      |         |         |         |
1+25       0.0703      0.72  | QV      |         |         |         |
1+30       0.0752      0.72  | QV      |         |         |         |
1+35       0.0802      0.72  | Q V     |         |         |         |
1+40       0.0851      0.72  | Q V     |         |         |         |
1+45       0.0901      0.72  | Q V     |         |         |         |
1+50       0.0950      0.72  | Q  V    |         |         |         |
1+55       0.1000      0.72  | Q  V    |         |         |         |
2+ 0       0.1052      0.76  |  Q V    |         |         |         |
2+ 5       0.1104      0.76  |  Q V    |         |         |         |
2+10       0.1157      0.77  |  Q  V   |         |         |         |
2+15       0.1213      0.80  |  Q  V   |         |         |         |
2+20       0.1268      0.81  |  Q  V   |         |         |         |
2+25       0.1324      0.81  |  Q  V   |         |         |         |
2+30       0.1379      0.81  |  Q   V  |         |         |         |
2+35       0.1435      0.81  |  Q   V  |         |         |         |
2+40       0.1491      0.81  |  Q   V  |         |         |         |
2+45       0.1549      0.85  |  Q    V |         |         |         |
2+50       0.1611      0.89  |  Q    V |         |         |         |
2+55       0.1672      0.90  |  Q    V |         |         |         |
3+ 0       0.1734      0.90  |  Q     V|         |         |         |
3+ 5       0.1796      0.90  |  Q     V|         |         |         |
3+10       0.1862      0.95  |  Q     V|         |         |         |
3+15       0.1930      1.00  |  Q      V         |         |         |
3+20       0.2000      1.01  |   Q     V         |         |         |
3+25       0.2074      1.08  |   Q     V         |         |         |
3+30       0.2157      1.21  |   Q     |V        |         |         |
3+35       0.2250      1.35  |    Q    |V        |         |         |
3+40       0.2348      1.43  |    Q    | V       |         |         |
3+45       0.2452      1.51  |     Q   | V       |         |         |
3+50       0.2561      1.58  |     Q   |  V      |         |         |
3+55       0.2675      1.66  |     Q   |   V     |         |         |
4+ 0       0.2793      1.72  |     Q   |   V     |         |         |
4+ 5       0.2917      1.80  |      Q  |    V    |         |         |
4+10       0.3051      1.94  |      Q  |     V   |         |         |
4+15       0.3194      2.08  |       Q |     V   |         |         |
4+20       0.3347      2.22  |       Q |      V  |         |         |
4+25       0.3510      2.37  |        Q|       V |         |         |
4+30       0.3678      2.44  |        Q|        V|         |         |
4+35       0.3852      2.53  |         Q         V         |         |
4+40       0.4035      2.66  |         Q         |V        |         |
4+45       0.4229      2.80  |         |Q        | V       |         |
4+50       0.4427      2.88  |         |Q        |  V      |         |
4+55       0.4631      2.97  |         |Q        |   V     |         |
5+ 0       0.4845      3.10  |         | Q       |    V    |         |
5+ 5       0.5086      3.51  |         |   Q     |     V   |         |
5+10       0.5374      4.17  |         |     Q   |       V |         |
```

```
    5+15       0.5701      4.75  |          |        Q |          V          |
    5+20       0.6060      5.22  |          |          Q          | V        |
    5+25       0.6459      5.80  |          |          |  Q       |   V      |
    5+30       0.6925      6.76  |          |          |      Q   |     V    |
    5+35       0.7260      4.87  |          |         Q|          |       V  |
    5+40       0.7405      2.10  |        Q |          |          |         V|
    5+45       0.7475      1.01  |   Q      |          |          |         V|
    5+50       0.7514      0.57  | Q        |          |          |         V|
    5+55       0.7541      0.38  |Q         |          |          |         V|
    6+ 0       0.7558      0.25  |Q         |          |          |         V|
    6+ 5       0.7566      0.11  Q          |          |          |         V|
    6+10       0.7568      0.02  Q          |          |          |         V|
    6+15       0.7568      0.01  Q          |          |          |         V|
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018, Version 9.0
Study date 09/12/23 File: BDEV24100.out

++

Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6545

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

ACACIA POINTE
DEVELOPED UNIT HYDROGRAPH ANALYSIS
AREA B
100-YEAR, 24-HOUR

Drainage Area = 4.81(Ac.) = 0.008 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 4.81(Ac.) = 0.008 Sq. Mi.
Length along longest watercourse = 876.00(Ft.)
Length along longest watercourse measured to centroid = 656.00(Ft.)
Length along longest watercourse = 0.166 Mi.
Length along longest watercourse measured to centroid = 0.124 Mi.
Difference in elevation = 10.00(Ft.)
Slope along watercourse = 60.2740 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.038 Hr.
Lag time = 2.27 Min.
25% of lag time = 0.57 Min.
40% of lag time = 0.91 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
4.81	1.70	8.18

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
4.81	4.50	21.65

STORM EVENT (YEAR) = 100.00
Area Averaged 2-Year Rainfall = 1.700(In)
Area Averaged 100-Year Rainfall = 4.500(In)

Point rain (area averaged) = 4.500(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 4.500(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
4.810	76.00	0.647

Total Area Entered = 4.81(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
76.0	76.0	0.291	0.647	0.122	1.000	0.122
					Sum (F) =	0.122

Area averaged mean soil loss (F) (In/Hr) = 0.122
Minimum soil loss rate ((In/Hr)) = 0.061
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.382

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	220.479	46.729	2.265
2	0.167	440.958	41.964	2.034
3	0.250	661.438	8.022	0.389
4	0.333	881.917	3.285	0.159
			Sum = 100.000	Sum= 4.848

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)

1	0.08	0.07	0.036	(0.216)	0.014	0.022
2	0.17	0.07	0.036	(0.215)	0.014	0.022
3	0.25	0.07	0.036	(0.214)	0.014	0.022
4	0.33	0.10	0.054	(0.213)	0.021	0.033
5	0.42	0.10	0.054	(0.212)	0.021	0.033
6	0.50	0.10	0.054	(0.211)	0.021	0.033
7	0.58	0.10	0.054	(0.211)	0.021	0.033
8	0.67	0.10	0.054	(0.210)	0.021	0.033
9	0.75	0.10	0.054	(0.209)	0.021	0.033
10	0.83	0.13	0.072	(0.208)	0.028	0.044
11	0.92	0.13	0.072	(0.207)	0.028	0.044
12	1.00	0.13	0.072	(0.207)	0.028	0.044
13	1.08	0.10	0.054	(0.206)	0.021	0.033
14	1.17	0.10	0.054	(0.205)	0.021	0.033
15	1.25	0.10	0.054	(0.204)	0.021	0.033
16	1.33	0.10	0.054	(0.203)	0.021	0.033
17	1.42	0.10	0.054	(0.202)	0.021	0.033
18	1.50	0.10	0.054	(0.202)	0.021	0.033
19	1.58	0.10	0.054	(0.201)	0.021	0.033
20	1.67	0.10	0.054	(0.200)	0.021	0.033
21	1.75	0.10	0.054	(0.199)	0.021	0.033
22	1.83	0.13	0.072	(0.198)	0.028	0.044
23	1.92	0.13	0.072	(0.198)	0.028	0.044
24	2.00	0.13	0.072	(0.197)	0.028	0.044
25	2.08	0.13	0.072	(0.196)	0.028	0.044
26	2.17	0.13	0.072	(0.195)	0.028	0.044
27	2.25	0.13	0.072	(0.194)	0.028	0.044
28	2.33	0.13	0.072	(0.194)	0.028	0.044
29	2.42	0.13	0.072	(0.193)	0.028	0.044
30	2.50	0.13	0.072	(0.192)	0.028	0.044
31	2.58	0.17	0.090	(0.191)	0.034	0.056
32	2.67	0.17	0.090	(0.191)	0.034	0.056
33	2.75	0.17	0.090	(0.190)	0.034	0.056
34	2.83	0.17	0.090	(0.189)	0.034	0.056
35	2.92	0.17	0.090	(0.188)	0.034	0.056
36	3.00	0.17	0.090	(0.187)	0.034	0.056
37	3.08	0.17	0.090	(0.187)	0.034	0.056
38	3.17	0.17	0.090	(0.186)	0.034	0.056
39	3.25	0.17	0.090	(0.185)	0.034	0.056
40	3.33	0.17	0.090	(0.184)	0.034	0.056
41	3.42	0.17	0.090	(0.184)	0.034	0.056
42	3.50	0.17	0.090	(0.183)	0.034	0.056
43	3.58	0.17	0.090	(0.182)	0.034	0.056
44	3.67	0.17	0.090	(0.181)	0.034	0.056
45	3.75	0.17	0.090	(0.180)	0.034	0.056
46	3.83	0.20	0.108	(0.180)	0.041	0.067
47	3.92	0.20	0.108	(0.179)	0.041	0.067
48	4.00	0.20	0.108	(0.178)	0.041	0.067
49	4.08	0.20	0.108	(0.177)	0.041	0.067
50	4.17	0.20	0.108	(0.177)	0.041	0.067
51	4.25	0.20	0.108	(0.176)	0.041	0.067
52	4.33	0.23	0.126	(0.175)	0.048	0.078

53	4.42	0.23	0.126	(0.174)	0.048	0.078
54	4.50	0.23	0.126	(0.174)	0.048	0.078
55	4.58	0.23	0.126	(0.173)	0.048	0.078
56	4.67	0.23	0.126	(0.172)	0.048	0.078
57	4.75	0.23	0.126	(0.171)	0.048	0.078
58	4.83	0.27	0.144	(0.171)	0.055	0.089
59	4.92	0.27	0.144	(0.170)	0.055	0.089
60	5.00	0.27	0.144	(0.169)	0.055	0.089
61	5.08	0.20	0.108	(0.169)	0.041	0.067
62	5.17	0.20	0.108	(0.168)	0.041	0.067
63	5.25	0.20	0.108	(0.167)	0.041	0.067
64	5.33	0.23	0.126	(0.166)	0.048	0.078
65	5.42	0.23	0.126	(0.166)	0.048	0.078
66	5.50	0.23	0.126	(0.165)	0.048	0.078
67	5.58	0.27	0.144	(0.164)	0.055	0.089
68	5.67	0.27	0.144	(0.163)	0.055	0.089
69	5.75	0.27	0.144	(0.163)	0.055	0.089
70	5.83	0.27	0.144	(0.162)	0.055	0.089
71	5.92	0.27	0.144	(0.161)	0.055	0.089
72	6.00	0.27	0.144	(0.161)	0.055	0.089
73	6.08	0.30	0.162	(0.160)	0.062	0.100
74	6.17	0.30	0.162	(0.159)	0.062	0.100
75	6.25	0.30	0.162	(0.158)	0.062	0.100
76	6.33	0.30	0.162	(0.158)	0.062	0.100
77	6.42	0.30	0.162	(0.157)	0.062	0.100
78	6.50	0.30	0.162	(0.156)	0.062	0.100
79	6.58	0.33	0.180	(0.156)	0.069	0.111
80	6.67	0.33	0.180	(0.155)	0.069	0.111
81	6.75	0.33	0.180	(0.154)	0.069	0.111
82	6.83	0.33	0.180	(0.154)	0.069	0.111
83	6.92	0.33	0.180	(0.153)	0.069	0.111
84	7.00	0.33	0.180	(0.152)	0.069	0.111
85	7.08	0.33	0.180	(0.151)	0.069	0.111
86	7.17	0.33	0.180	(0.151)	0.069	0.111
87	7.25	0.33	0.180	(0.150)	0.069	0.111
88	7.33	0.37	0.198	(0.149)	0.076	0.122
89	7.42	0.37	0.198	(0.149)	0.076	0.122
90	7.50	0.37	0.198	(0.148)	0.076	0.122
91	7.58	0.40	0.216	(0.147)	0.083	0.133
92	7.67	0.40	0.216	(0.147)	0.083	0.133
93	7.75	0.40	0.216	(0.146)	0.083	0.133
94	7.83	0.43	0.234	(0.145)	0.089	0.145
95	7.92	0.43	0.234	(0.145)	0.089	0.145
96	8.00	0.43	0.234	(0.144)	0.089	0.145
97	8.08	0.50	0.270	(0.143)	0.103	0.167
98	8.17	0.50	0.270	(0.143)	0.103	0.167
99	8.25	0.50	0.270	(0.142)	0.103	0.167
100	8.33	0.50	0.270	(0.141)	0.103	0.167
101	8.42	0.50	0.270	(0.141)	0.103	0.167
102	8.50	0.50	0.270	(0.140)	0.103	0.167
103	8.58	0.53	0.288	(0.139)	0.110	0.178
104	8.67	0.53	0.288	(0.139)	0.110	0.178

105	8.75	0.53	0.288	(0.138)	0.110	0.178
106	8.83	0.57	0.306	(0.137)	0.117	0.189
107	8.92	0.57	0.306	(0.137)	0.117	0.189
108	9.00	0.57	0.306	(0.136)	0.117	0.189
109	9.08	0.63	0.342	(0.135)	0.131	0.211
110	9.17	0.63	0.342	(0.135)	0.131	0.211
111	9.25	0.63	0.342	(0.134)	0.131	0.211
112	9.33	0.67	0.360	0.133	(0.138)	0.227
113	9.42	0.67	0.360	0.133	(0.138)	0.227
114	9.50	0.67	0.360	0.132	(0.138)	0.228
115	9.58	0.70	0.378	0.132	(0.145)	0.246
116	9.67	0.70	0.378	0.131	(0.145)	0.247
117	9.75	0.70	0.378	0.130	(0.145)	0.248
118	9.83	0.73	0.396	0.130	(0.151)	0.266
119	9.92	0.73	0.396	0.129	(0.151)	0.267
120	10.00	0.73	0.396	0.128	(0.151)	0.268
121	10.08	0.50	0.270	(0.128)	0.103	0.167
122	10.17	0.50	0.270	(0.127)	0.103	0.167
123	10.25	0.50	0.270	(0.127)	0.103	0.167
124	10.33	0.50	0.270	(0.126)	0.103	0.167
125	10.42	0.50	0.270	(0.125)	0.103	0.167
126	10.50	0.50	0.270	(0.125)	0.103	0.167
127	10.58	0.67	0.360	0.124	(0.138)	0.236
128	10.67	0.67	0.360	0.124	(0.138)	0.236
129	10.75	0.67	0.360	0.123	(0.138)	0.237
130	10.83	0.67	0.360	0.122	(0.138)	0.238
131	10.92	0.67	0.360	0.122	(0.138)	0.238
132	11.00	0.67	0.360	0.121	(0.138)	0.239
133	11.08	0.63	0.342	0.121	(0.131)	0.221
134	11.17	0.63	0.342	0.120	(0.131)	0.222
135	11.25	0.63	0.342	0.119	(0.131)	0.223
136	11.33	0.63	0.342	0.119	(0.131)	0.223
137	11.42	0.63	0.342	0.118	(0.131)	0.224
138	11.50	0.63	0.342	0.118	(0.131)	0.224
139	11.58	0.57	0.306	0.117	(0.117)	0.189
140	11.67	0.57	0.306	0.116	(0.117)	0.190
141	11.75	0.57	0.306	0.116	(0.117)	0.190
142	11.83	0.60	0.324	0.115	(0.124)	0.209
143	11.92	0.60	0.324	0.115	(0.124)	0.209
144	12.00	0.60	0.324	0.114	(0.124)	0.210
145	12.08	0.83	0.450	0.114	(0.172)	0.336
146	12.17	0.83	0.450	0.113	(0.172)	0.337
147	12.25	0.83	0.450	0.112	(0.172)	0.338
148	12.33	0.87	0.468	0.112	(0.179)	0.356
149	12.42	0.87	0.468	0.111	(0.179)	0.357
150	12.50	0.87	0.468	0.111	(0.179)	0.357
151	12.58	0.93	0.504	0.110	(0.193)	0.394
152	12.67	0.93	0.504	0.110	(0.193)	0.394
153	12.75	0.93	0.504	0.109	(0.193)	0.395
154	12.83	0.97	0.522	0.109	(0.200)	0.413
155	12.92	0.97	0.522	0.108	(0.200)	0.414
156	13.00	0.97	0.522	0.107	(0.200)	0.415

157	13.08	1.13	0.612	0.107	(0.234)	0.505
158	13.17	1.13	0.612	0.106	(0.234)	0.506
159	13.25	1.13	0.612	0.106	(0.234)	0.506
160	13.33	1.13	0.612	0.105	(0.234)	0.507
161	13.42	1.13	0.612	0.105	(0.234)	0.507
162	13.50	1.13	0.612	0.104	(0.234)	0.508
163	13.58	0.77	0.414	0.104	(0.158)	0.310
164	13.67	0.77	0.414	0.103	(0.158)	0.311
165	13.75	0.77	0.414	0.103	(0.158)	0.311
166	13.83	0.77	0.414	0.102	(0.158)	0.312
167	13.92	0.77	0.414	0.102	(0.158)	0.312
168	14.00	0.77	0.414	0.101	(0.158)	0.313
169	14.08	0.90	0.486	0.101	(0.186)	0.385
170	14.17	0.90	0.486	0.100	(0.186)	0.386
171	14.25	0.90	0.486	0.099	(0.186)	0.387
172	14.33	0.87	0.468	0.099	(0.179)	0.369
173	14.42	0.87	0.468	0.098	(0.179)	0.370
174	14.50	0.87	0.468	0.098	(0.179)	0.370
175	14.58	0.87	0.468	0.097	(0.179)	0.371
176	14.67	0.87	0.468	0.097	(0.179)	0.371
177	14.75	0.87	0.468	0.096	(0.179)	0.372
178	14.83	0.83	0.450	0.096	(0.172)	0.354
179	14.92	0.83	0.450	0.095	(0.172)	0.355
180	15.00	0.83	0.450	0.095	(0.172)	0.355
181	15.08	0.80	0.432	0.095	(0.165)	0.337
182	15.17	0.80	0.432	0.094	(0.165)	0.338
183	15.25	0.80	0.432	0.094	(0.165)	0.338
184	15.33	0.77	0.414	0.093	(0.158)	0.321
185	15.42	0.77	0.414	0.093	(0.158)	0.321
186	15.50	0.77	0.414	0.092	(0.158)	0.322
187	15.58	0.63	0.342	0.092	(0.131)	0.250
188	15.67	0.63	0.342	0.091	(0.131)	0.251
189	15.75	0.63	0.342	0.091	(0.131)	0.251
190	15.83	0.63	0.342	0.090	(0.131)	0.252
191	15.92	0.63	0.342	0.090	(0.131)	0.252
192	16.00	0.63	0.342	0.089	(0.131)	0.253
193	16.08	0.13	0.072	(0.089)	0.028	0.044
194	16.17	0.13	0.072	(0.088)	0.028	0.044
195	16.25	0.13	0.072	(0.088)	0.028	0.044
196	16.33	0.13	0.072	(0.088)	0.028	0.044
197	16.42	0.13	0.072	(0.087)	0.028	0.044
198	16.50	0.13	0.072	(0.087)	0.028	0.044
199	16.58	0.10	0.054	(0.086)	0.021	0.033
200	16.67	0.10	0.054	(0.086)	0.021	0.033
201	16.75	0.10	0.054	(0.085)	0.021	0.033
202	16.83	0.10	0.054	(0.085)	0.021	0.033
203	16.92	0.10	0.054	(0.084)	0.021	0.033
204	17.00	0.10	0.054	(0.084)	0.021	0.033
205	17.08	0.17	0.090	(0.084)	0.034	0.056
206	17.17	0.17	0.090	(0.083)	0.034	0.056
207	17.25	0.17	0.090	(0.083)	0.034	0.056
208	17.33	0.17	0.090	(0.082)	0.034	0.056

209	17.42	0.17	0.090	(0.082)	0.034	0.056
210	17.50	0.17	0.090	(0.082)	0.034	0.056
211	17.58	0.17	0.090	(0.081)	0.034	0.056
212	17.67	0.17	0.090	(0.081)	0.034	0.056
213	17.75	0.17	0.090	(0.080)	0.034	0.056
214	17.83	0.13	0.072	(0.080)	0.028	0.044
215	17.92	0.13	0.072	(0.080)	0.028	0.044
216	18.00	0.13	0.072	(0.079)	0.028	0.044
217	18.08	0.13	0.072	(0.079)	0.028	0.044
218	18.17	0.13	0.072	(0.078)	0.028	0.044
219	18.25	0.13	0.072	(0.078)	0.028	0.044
220	18.33	0.13	0.072	(0.078)	0.028	0.044
221	18.42	0.13	0.072	(0.077)	0.028	0.044
222	18.50	0.13	0.072	(0.077)	0.028	0.044
223	18.58	0.10	0.054	(0.076)	0.021	0.033
224	18.67	0.10	0.054	(0.076)	0.021	0.033
225	18.75	0.10	0.054	(0.076)	0.021	0.033
226	18.83	0.07	0.036	(0.075)	0.014	0.022
227	18.92	0.07	0.036	(0.075)	0.014	0.022
228	19.00	0.07	0.036	(0.075)	0.014	0.022
229	19.08	0.10	0.054	(0.074)	0.021	0.033
230	19.17	0.10	0.054	(0.074)	0.021	0.033
231	19.25	0.10	0.054	(0.074)	0.021	0.033
232	19.33	0.13	0.072	(0.073)	0.028	0.044
233	19.42	0.13	0.072	(0.073)	0.028	0.044
234	19.50	0.13	0.072	(0.073)	0.028	0.044
235	19.58	0.10	0.054	(0.072)	0.021	0.033
236	19.67	0.10	0.054	(0.072)	0.021	0.033
237	19.75	0.10	0.054	(0.072)	0.021	0.033
238	19.83	0.07	0.036	(0.071)	0.014	0.022
239	19.92	0.07	0.036	(0.071)	0.014	0.022
240	20.00	0.07	0.036	(0.071)	0.014	0.022
241	20.08	0.10	0.054	(0.070)	0.021	0.033
242	20.17	0.10	0.054	(0.070)	0.021	0.033
243	20.25	0.10	0.054	(0.070)	0.021	0.033
244	20.33	0.10	0.054	(0.069)	0.021	0.033
245	20.42	0.10	0.054	(0.069)	0.021	0.033
246	20.50	0.10	0.054	(0.069)	0.021	0.033
247	20.58	0.10	0.054	(0.069)	0.021	0.033
248	20.67	0.10	0.054	(0.068)	0.021	0.033
249	20.75	0.10	0.054	(0.068)	0.021	0.033
250	20.83	0.07	0.036	(0.068)	0.014	0.022
251	20.92	0.07	0.036	(0.067)	0.014	0.022
252	21.00	0.07	0.036	(0.067)	0.014	0.022
253	21.08	0.10	0.054	(0.067)	0.021	0.033
254	21.17	0.10	0.054	(0.067)	0.021	0.033
255	21.25	0.10	0.054	(0.066)	0.021	0.033
256	21.33	0.07	0.036	(0.066)	0.014	0.022
257	21.42	0.07	0.036	(0.066)	0.014	0.022
258	21.50	0.07	0.036	(0.066)	0.014	0.022
259	21.58	0.10	0.054	(0.065)	0.021	0.033
260	21.67	0.10	0.054	(0.065)	0.021	0.033

```
261  21.75     0.10      0.054       (  0.065)       0.021        0.033
262  21.83     0.07      0.036       (  0.065)       0.014        0.022
263  21.92     0.07      0.036       (  0.064)       0.014        0.022
264  22.00     0.07      0.036       (  0.064)       0.014        0.022
265  22.08     0.10      0.054       (  0.064)       0.021        0.033
266  22.17     0.10      0.054       (  0.064)       0.021        0.033
267  22.25     0.10      0.054       (  0.064)       0.021        0.033
268  22.33     0.07      0.036       (  0.063)       0.014        0.022
269  22.42     0.07      0.036       (  0.063)       0.014        0.022
270  22.50     0.07      0.036       (  0.063)       0.014        0.022
271  22.58     0.07      0.036       (  0.063)       0.014        0.022
272  22.67     0.07      0.036       (  0.063)       0.014        0.022
273  22.75     0.07      0.036       (  0.062)       0.014        0.022
274  22.83     0.07      0.036       (  0.062)       0.014        0.022
275  22.92     0.07      0.036       (  0.062)       0.014        0.022
276  23.00     0.07      0.036       (  0.062)       0.014        0.022
277  23.08     0.07      0.036       (  0.062)       0.014        0.022
278  23.17     0.07      0.036       (  0.062)       0.014        0.022
279  23.25     0.07      0.036       (  0.062)       0.014        0.022
280  23.33     0.07      0.036       (  0.061)       0.014        0.022
281  23.42     0.07      0.036       (  0.061)       0.014        0.022
282  23.50     0.07      0.036       (  0.061)       0.014        0.022
283  23.58     0.07      0.036       (  0.061)       0.014        0.022
284  23.67     0.07      0.036       (  0.061)       0.014        0.022
285  23.75     0.07      0.036       (  0.061)       0.014        0.022
286  23.83     0.07      0.036       (  0.061)       0.014        0.022
287  23.92     0.07      0.036       (  0.061)       0.014        0.022
288  24.00     0.07      0.036       (  0.061)       0.014        0.022
               (Loss Rate Not Used)
    Sum =     100.0                                    Sum =    37.3
       Flood volume = Effective rainfall      3.11(In)
        times area       4.8(Ac.)/[(In)/(Ft.)] =       1.2(Ac.Ft)
       Total soil loss =      1.39(In)
       Total soil loss =     0.558(Ac.Ft)
       Total rainfall =      4.50(In)
       Flood volume =       54273.9 Cubic Feet
       Total soil loss =       24296.7 Cubic Feet
       ---------------------------------------------------------------------
        Peak flow rate of this hydrograph =      2.461(CFS)
       ---------------------------------------------------------------------
       +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                           24 - H O U R    S T O R M
                        R u n o f f      H y d r o g r a p h
       ---------------------------------------------------------------------
                    Hydrograph in   5   Minute intervals ((CFS))

       ---------------------------------------------------------------------
 Time(h+m) Volume Ac.Ft   Q(CFS)  0        2.5       5.0       7.5      10.0
 ---------------------------------------------------------------------
   0+ 5       0.0003      0.05  Q         |         |         |         |
   0+10       0.0010      0.10  Q         |         |         |         |
   0+15       0.0017      0.10  Q         |         |         |         |
```

0+20	0.0026	0.13	Q	|	|	|	|
0+25	0.0037	0.16	Q	|	|	|	|
0+30	0.0048	0.16	Q	|	|	|	|
0+35	0.0059	0.16	Q	|	|	|	|
0+40	0.0070	0.16	Q	|	|	|	|
0+45	0.0082	0.16	Q	|	|	|	|
0+50	0.0094	0.19	Q	|	|	|	|
0+55	0.0109	0.21	Q	|	|	|	|
1+ 0	0.0124	0.21	Q	|	|	|	|
1+ 5	0.0137	0.19	Q	|	|	|	|
1+10	0.0148	0.17	Q	|	|	|	|
1+15	0.0160	0.16	Q	|	|	|	|
1+20	0.0171	0.16	Q	|	|	|	|
1+25	0.0182	0.16	Q	|	|	|	|
1+30	0.0193	0.16	Q	|	|	|	|
1+35	0.0204	0.16	Q	|	|	|	|
1+40	0.0215	0.16	Q	|	|	|	|
1+45	0.0226	0.16	Q	|	|	|	|
1+50	0.0239	0.19	Q	|	|	|	|
1+55	0.0254	0.21	Q	|	|	|	|
2+ 0	0.0268	0.21	Q	|	|	|	|
2+ 5	0.0283	0.22	Q	|	|	|	|
2+10	0.0298	0.22	Q	|	|	|	|
2+15	0.0313	0.22	QV	|	|	|	|
2+20	0.0328	0.22	QV	|	|	|	|
2+25	0.0343	0.22	QV	|	|	|	|
2+30	0.0358	0.22	QV	|	|	|	|
2+35	0.0374	0.24	QV	|	|	|	|
2+40	0.0392	0.26	|Q	|	|	|	|
2+45	0.0411	0.27	|Q	|	|	|	|
2+50	0.0429	0.27	|Q	|	|	|	|
2+55	0.0448	0.27	|Q	|	|	|	|
3+ 0	0.0466	0.27	|Q	|	|	|	|
3+ 5	0.0485	0.27	|Q	|	|	|	|
3+10	0.0504	0.27	|Q	|	|	|	|
3+15	0.0522	0.27	|Q	|	|	|	|
3+20	0.0541	0.27	|Q	|	|	|	|
3+25	0.0559	0.27	|Q	|	|	|	|
3+30	0.0578	0.27	|Q	|	|	|	|
3+35	0.0596	0.27	|Q	|	|	|	|
3+40	0.0615	0.27	|Q	|	|	|	|
3+45	0.0634	0.27	|QV	|	|	|	|
3+50	0.0654	0.29	|QV	|	|	|	|
3+55	0.0676	0.32	|QV	|	|	|	|
4+ 0	0.0698	0.32	|QV	|	|	|	|
4+ 5	0.0720	0.32	|QV	|	|	|	|
4+10	0.0742	0.32	|QV	|	|	|	|
4+15	0.0765	0.32	|QV	|	|	|	|
4+20	0.0789	0.35	|QV	|	|	|	|
4+25	0.0814	0.37	|QV	|	|	|	|
4+30	0.0840	0.38	|QV	|	|	|	|
4+35	0.0866	0.38	|QV	|	|	|	|

```
4+40       0.0892      0.38  |QV       |         |         |         |
4+45       0.0918      0.38  |QV       |         |         |         |
4+50       0.0946      0.40  |Q V      |         |         |         |
4+55       0.0975      0.43  |Q V      |         |         |         |
5+ 0       0.1005      0.43  |Q V      |         |         |         |
5+ 5       0.1031      0.38  |Q V      |         |         |         |
5+10       0.1054      0.34  |Q V      |         |         |         |
5+15       0.1077      0.33  |Q V      |         |         |         |
5+20       0.1101      0.35  |Q V      |         |         |         |
5+25       0.1126      0.37  |Q V      |         |         |         |
5+30       0.1152      0.38  |Q V      |         |         |         |
5+35       0.1180      0.40  |Q V      |         |         |         |
5+40       0.1209      0.43  |Q V      |         |         |         |
5+45       0.1239      0.43  |Q V      |         |         |         |
5+50       0.1268      0.43  |Q  V     |         |         |         |
5+55       0.1298      0.43  |Q  V     |         |         |         |
6+ 0       0.1328      0.43  |Q  V     |         |         |         |
6+ 5       0.1359      0.46  |Q  V     |         |         |         |
6+10       0.1392      0.48  |Q  V     |         |         |         |
6+15       0.1426      0.48  |Q  V     |         |         |         |
6+20       0.1459      0.49  |Q  V     |         |         |         |
6+25       0.1492      0.49  |Q  V     |         |         |         |
6+30       0.1526      0.49  |Q  V     |         |         |         |
6+35       0.1561      0.51  | Q  V    |         |         |         |
6+40       0.1598      0.53  | Q  V    |         |         |         |
6+45       0.1635      0.54  | Q  V    |         |         |         |
6+50       0.1672      0.54  | Q  V    |         |         |         |
6+55       0.1709      0.54  | Q  V    |         |         |         |
7+ 0       0.1746      0.54  | Q  V    |         |         |         |
7+ 5       0.1783      0.54  | Q  V    |         |         |         |
7+10       0.1820      0.54  | Q  V    |         |         |         |
7+15       0.1857      0.54  | Q  V    |         |         |         |
7+20       0.1896      0.56  | Q   V   |         |         |         |
7+25       0.1937      0.59  | Q   V   |         |         |         |
7+30       0.1977      0.59  | Q   V   |         |         |         |
7+35       0.2020      0.62  | Q   V   |         |         |         |
7+40       0.2064      0.64  | Q   V   |         |         |         |
7+45       0.2109      0.65  | Q   V   |         |         |         |
7+50       0.2155      0.67  | Q   V   |         |         |         |
7+55       0.2203      0.69  | Q    V  |         |         |         |
8+ 0       0.2251      0.70  | Q    V  |         |         |         |
8+ 5       0.2303      0.75  |  Q   V  |         |         |         |
8+10       0.2358      0.80  |  Q   V  |         |         |         |
8+15       0.2413      0.81  |  Q   V  |         |         |         |
8+20       0.2469      0.81  |  Q   V  |         |         |         |
8+25       0.2524      0.81  |  Q    V |         |         |         |
8+30       0.2580      0.81  |  Q    V |         |         |         |
8+35       0.2638      0.83  |  Q    V |         |         |         |
8+40       0.2696      0.86  |  Q    V |         |         |         |
8+45       0.2756      0.86  |  Q    V |         |         |         |
8+50       0.2817      0.89  |  Q     V|         |         |         |
8+55       0.2880      0.91  |  Q     V|         |         |         |
```

9+ 0	0.2943	0.91	Q V				
9+ 5	0.3009	0.97	Q V				
9+10	0.3079	1.01	Q V				
9+15	0.3149	1.02	Q V				
9+20	0.3222	1.06	Q V				
9+25	0.3297	1.09	Q V				
9+30	0.3373	1.10	Q V				
9+35	0.3452	1.15	Q V				
9+40	0.3534	1.19	Q V				
9+45	0.3616	1.20	Q V				
9+50	0.3702	1.24	Q V				
9+55	0.3790	1.28	Q V				
10+ 0	0.3879	1.29	Q V				
10+ 5	0.3953	1.07	Q V				
10+10	0.4012	0.86	Q V				
10+15	0.4069	0.82	Q V				
10+20	0.4125	0.81	Q V				
10+25	0.4180	0.81	Q V				
10+30	0.4236	0.81	Q V				
10+35	0.4303	0.97	Q V				
10+40	0.4379	1.11	Q V				
10+45	0.4457	1.14	Q V				
10+50	0.4536	1.15	Q V				
10+55	0.4616	1.15	Q V				
11+ 0	0.4696	1.16	Q V				
11+ 5	0.4773	1.12	Q V				
11+10	0.4847	1.08	Q V				
11+15	0.4922	1.08	Q V				
11+20	0.4996	1.08	Q V				
11+25	0.5071	1.08	Q V				
11+30	0.5146	1.09	Q V				
11+35	0.5215	1.01	Q V				
11+40	0.5280	0.94	Q V				
11+45	0.5343	0.93	Q V				
11+50	0.5410	0.96	Q V				
11+55	0.5479	1.00	Q V				
12+ 0	0.5549	1.01	Q V				
12+ 5	0.5639	1.30	Q V				
12+10	0.5746	1.56	Q V				
12+15	0.5857	1.62	Q V				
12+20	0.5973	1.68	Q V				
12+25	0.6091	1.72	Q V				
12+30	0.6210	1.73	Q V				
12+35	0.6335	1.82	Q V				
12+40	0.6466	1.89	Q V				
12+45	0.6597	1.91	Q V				
12+50	0.6732	1.96	Q V				
12+55	0.6869	2.00	Q V				
13+ 0	0.7008	2.01	Q V				
13+ 5	0.7160	2.22	Q V				
13+10	0.7326	2.40	Q V				
13+15	0.7494	2.44	Q V				

13+20	0.7663	2.46	| Q|	| V |	| |
13+25	0.7832	2.46	| Q|	| V |	| |
13+30	0.8002	2.46	| Q|	| V |	| |
13+35	0.8140	2.02	| Q |	| V |	| |
13+40	0.8251	1.61	| Q |	| V |	| |
13+45	0.8358	1.54	| Q |	| V |	| |
13+50	0.8462	1.51	| Q |	| V |	| |
13+55	0.8566	1.51	| Q |	| V |	| |
14+ 0	0.8670	1.52	| Q |	| V |	| |
14+ 5	0.8786	1.68	| Q |	| V |	| |
14+10	0.8912	1.83	| Q |	| V |	| |
14+15	0.9040	1.86	| Q |	| V|	| |
14+20	0.9167	1.83	| Q |	| V|	| |
14+25	0.9291	1.80	| Q |	| V|	| |
14+30	0.9414	1.80	| Q |	| V |	| |
14+35	0.9538	1.80	| Q |	| V |	| |
14+40	0.9662	1.80	| Q |	| |V |	| |
14+45	0.9786	1.80	| Q |	| |V |	| |
14+50	0.9907	1.76	| Q |	| |V |	| |
14+55	1.0026	1.73	| Q |	| | V |	| |
15+ 0	1.0145	1.72	| Q |	| | V |	| |
15+ 5	1.0261	1.68	| Q |	| | V |	| |
15+10	1.0374	1.65	| Q |	| | V |	| |
15+15	1.0487	1.64	| Q |	| | V |	| |
15+20	1.0598	1.60	| Q |	| | V |	| |
15+25	1.0706	1.57	| Q |	| | V |	| |
15+30	1.0813	1.56	| Q |	| | V |	| |
15+35	1.0909	1.40	| Q |	| | V |	| |
15+40	1.0996	1.25	| Q |	| | V |	| |
15+45	1.1080	1.23	| Q |	| | V |	| |
15+50	1.1164	1.22	| Q |	| | V |	| |
15+55	1.1249	1.22	| Q |	| | V |	| |
16+ 0	1.1333	1.22	| Q |	| | V |	| |
16+ 5	1.1385	0.75	| Q |	| | V |	| |
16+10	1.1407	0.33	|Q |	| | V |	| |
16+15	1.1425	0.25	Q |	| | V |	| |
16+20	1.1439	0.22	Q |	| | V |	| |
16+25	1.1454	0.22	Q |	| | V |	| |
16+30	1.1469	0.22	Q |	| | V |	| |
16+35	1.1482	0.19	Q |	| | V |	| |
16+40	1.1494	0.17	Q |	| | V |	| |
16+45	1.1505	0.16	Q |	| | V |	| |
16+50	1.1516	0.16	Q |	| | V |	| |
16+55	1.1527	0.16	Q |	| | V |	| |
17+ 0	1.1539	0.16	Q |	| | V |	| |
17+ 5	1.1553	0.21	Q |	| | V |	| |
17+10	1.1571	0.26	|Q |	| | V |	| |
17+15	1.1589	0.27	|Q |	| | V |	| |
17+20	1.1608	0.27	|Q |	| | V |	| |
17+25	1.1626	0.27	|Q |	| | V |	| |
17+30	1.1645	0.27	|Q |	| | V |	| |
17+35	1.1663	0.27	|Q |	| | V |	| |

```
17+40       1.1682      0.27  |Q        |         |         |      V  |
17+45       1.1701      0.27  |Q        |         |         |      V  |
17+50       1.1717      0.24  Q         |         |         |      V  |
17+55       1.1733      0.22  Q         |         |         |      V  |
18+ 0       1.1748      0.22  Q         |         |         |      V  |
18+ 5       1.1763      0.22  Q         |         |         |      V  |
18+10       1.1777      0.22  Q         |         |         |      V  |
18+15       1.1792      0.22  Q         |         |         |      V  |
18+20       1.1807      0.22  Q         |         |         |      V  |
18+25       1.1822      0.22  Q         |         |         |      V  |
18+30       1.1837      0.22  Q         |         |         |       V |
18+35       1.1850      0.19  Q         |         |         |       V |
18+40       1.1861      0.17  Q         |         |         |       V |
18+45       1.1873      0.16  Q         |         |         |       V |
18+50       1.1882      0.14  Q         |         |         |       V |
18+55       1.1890      0.11  Q         |         |         |       V |
19+ 0       1.1898      0.11  Q         |         |         |       V |
19+ 5       1.1907      0.13  Q         |         |         |       V |
19+10       1.1917      0.16  Q         |         |         |       V |
19+15       1.1928      0.16  Q         |         |         |       V |
19+20       1.1941      0.19  Q         |         |         |       V |
19+25       1.1956      0.21  Q         |         |         |       V |
19+30       1.1970      0.21  Q         |         |         |       V |
19+35       1.1984      0.19  Q         |         |         |       V |
19+40       1.1995      0.17  Q         |         |         |       V |
19+45       1.2006      0.16  Q         |         |         |       V |
19+50       1.2016      0.14  Q         |         |         |       V |
19+55       1.2024      0.11  Q         |         |         |       V |
20+ 0       1.2031      0.11  Q         |         |         |       V |
20+ 5       1.2040      0.13  Q         |         |         |       V |
20+10       1.2051      0.16  Q         |         |         |       V |
20+15       1.2062      0.16  Q         |         |         |       V |
20+20       1.2073      0.16  Q         |         |         |       V |
20+25       1.2084      0.16  Q         |         |         |       V |
20+30       1.2096      0.16  Q         |         |         |       V |
20+35       1.2107      0.16  Q         |         |         |       V |
20+40       1.2118      0.16  Q         |         |         |       V |
20+45       1.2129      0.16  Q         |         |         |       V |
20+50       1.2138      0.14  Q         |         |         |       V |
20+55       1.2146      0.11  Q         |         |         |       V |
21+ 0       1.2154      0.11  Q         |         |         |        V|
21+ 5       1.2163      0.13  Q         |         |         |        V|
21+10       1.2174      0.16  Q         |         |         |        V|
21+15       1.2185      0.16  Q         |         |         |        V|
21+20       1.2194      0.14  Q         |         |         |        V|
21+25       1.2202      0.11  Q         |         |         |        V|
21+30       1.2209      0.11  Q         |         |         |        V|
21+35       1.2219      0.13  Q         |         |         |        V|
21+40       1.2229      0.16  Q         |         |         |        V|
21+45       1.2240      0.16  Q         |         |         |        V|
21+50       1.2250      0.14  Q         |         |         |        V|
21+55       1.2258      0.11  Q         |         |         |        V|
```

```
  22+ 0       1.2265      0.11  Q         |          |          |         V|
  22+ 5       1.2274      0.13  Q         |          |          |         V|
  22+10       1.2285      0.16  Q         |          |          |         V|
  22+15       1.2296      0.16  Q         |          |          |         V|
  22+20       1.2305      0.14  Q         |          |          |         V|
  22+25       1.2313      0.11  Q         |          |          |         V|
  22+30       1.2321      0.11  Q         |          |          |         V|
  22+35       1.2328      0.11  Q         |          |          |         V|
  22+40       1.2336      0.11  Q         |          |          |         V|
  22+45       1.2343      0.11  Q         |          |          |         V|
  22+50       1.2351      0.11  Q         |          |          |         V|
  22+55       1.2358      0.11  Q         |          |          |         V|
  23+ 0       1.2365      0.11  Q         |          |          |         V|
  23+ 5       1.2373      0.11  Q         |          |          |         V|
  23+10       1.2380      0.11  Q         |          |          |         V|
  23+15       1.2388      0.11  Q         |          |          |         V|
  23+20       1.2395      0.11  Q         |          |          |         V|
  23+25       1.2403      0.11  Q         |          |          |         V|
  23+30       1.2410      0.11  Q         |          |          |         V|
  23+35       1.2417      0.11  Q         |          |          |         V|
  23+40       1.2425      0.11  Q         |          |          |         V|
  23+45       1.2432      0.11  Q         |          |          |         V|
  23+50       1.2440      0.11  Q         |          |          |         V|
  23+55       1.2447      0.11  Q         |          |          |         V|
  24+ 0       1.2455      0.11  Q         |          |          |         V|
  24+ 5       1.2458      0.06  Q         |          |          |         V|
  24+10       1.2459      0.01  Q         |          |          |         V|
  24+15       1.2460      0.00  Q         |          |          |          V
-------------------------------------------------------------------------
```

FLOOD ROUTING MODELS..... D

- BASIN "A" STAGE-STORAGE-OUTFLOW SUMMARY & ROUTING
- BASIN "B" STAGE-STORAGE-OUTFLOW SUMMARY & ROUTING

Acacia Pointe - Unit Hydrograph Results

Developed:	100-Year			
Area A (7.20 ac.)	1-Hour	3-Hour	6-Hour	24-Hour
Peak Runoff (cfs)	18.2	11.4	9.9	3.7
Volume (cu-ft)	28,160	40,330	49,545	81,730
Volume (ac-ft)	0.65	0.93	1.14	1.88
Basin "A" Routing (7.20 ac.)	1-Hour	3-Hour	6-Hour	24-Hour
Peak Basin Outflow (cfs)	4.6	5.2	5.1	2.8
Peak Basin Depth (ft)	2.86	3.00	2.97	2.42
Peak Basin W.S.E.	1,417.86	1,418.00	1,417.97	1,417.42
Area B (4.81 ac.)	1-Hour	3-Hour	6-Hour	24-Hour
Peak Runoff (cfs)	13.2	7.8	6.8	2.5
Volume (cu-ft)	18,828	26,965	32,966	54,274
Volume (ac-ft)	0.43	0.62	0.76	1.25
Basin "B" Routing (4.81 ac.)	1-Hour	3-Hour	6-Hour	24-Hour
Peak Basin Outflow (cfs)	5.4	4.8	4.0	2.0
Peak Basin Depth (ft)	2.12	2.08	2.02	1.53
Peak Basin W.S.E.	1,418.12	1,418.08	1,418.02	1,417.53

D.1 – BASIN "A" STAGE-STORAGE-OUTFLOW SUMMARY & 100-YEAR ROUTING

Acacia Pointe: Infiltration Basin "A" Volume - Fustrum of a Pyramid Method

$V=1/3*h*(A1+A2+((A1*A2)^{1/2}))$

Input	Basin Depth (ft)	Elevation (ft)	Incremental Depth (ft)	Contour Area (ft^2)	Incremental Volume (ft^3)	Cumulative Vol. (ft^3)	Cumulative Vol. (ac-ft)	Basin Outflow (cfs)			
								Infiltration Outflow (cfs)	6" Orifice @ 1417.2	3' Rec. Weir @ 1417.5	Total Outflow (cfs)
1	**0.00**	1415.00		7,700			**0.000**	0.13			**0.13**
2	**1.00**	1416.00	1	10,016	8,833	8,833	**0.203**	0.17			**0.17**
3	**2.00**	1417.00	1	12,178	11,079	19,912	**0.457**	0.21	0.93		**1.14**
4	**3.00**	1418.00	1	14,486	13,315	33,227	**0.763**	0.25	1.40	3.53	**5.18**
5	**4.00**	1419.00	1	16,931	15,693	48,920	**1.123**	0.29	1.74	18.35	**20.39**
6	**5.00**	1420.00	1	19,522	18,211	67,131	**1.541**	0.34	2.03	39.49	**41.86**
7	**6.00**	1421.00	1	22,112	20,804	87,935	**2.019**	0.38	2.28	65.41	**68.08**
8	**7.00**	1422.00	1	24,691	23,390	111,324	**2.556**	0.43	2.50	95.36	**98.30**

WQ Orifice Outflow $Q=CA(2gh)^{1/2}$		
	#1	#2
d (in) =	6	0
C =	0.66	0.66
A (ft^2) =	0.196	0.000
Weir Outflow $Q=C_wLH^{3/2}$		
	CB110	36" Riser
L (ft) =	3	0.00
C_w =	3.33	3.33
Infiltration [1.9 in/hr)		
Q= i/FS/12/3600 x A		

i = design infiltration rate (in/hr)

FS = Factor of Safety

A = wetted surface area (ft^2)

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2022
Study date: 09/12/23

ACACIA POINTE
BASIN ROUTING ANALYSIS
INFILTRATION BASIN "A"
100-YEAR, 1-HOUR

Program License Serial Number 6545

********** HYDROGRAPH INFORMATION **********

From study/file name: ADEV1100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 16
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 18.186 (CFS)
Total volume = 0.646 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****
_____

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 16
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 1.10(Ft.)

Initial basin depth = 1.10 (Ft.)
Initial basin storage = 0.23 (Ac.Ft)
Initial basin outflow = 0.23 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.203	0.130	0.203	0.203
2.000	0.457	1.140	0.453	0.461
3.000	0.763	5.180	0.745	0.781
4.000	1.123	20.390	1.053	1.193
5.000	1.541	41.860	1.397	1.685
6.000	2.019	68.080	1.785	2.253
7.000	2.556	98.300	2.218	2.894

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 4.5 9.09 13.64 18.19	Depth (Ft.)
0.083	1.38	0.24	0.231	O I | | | | |	1.11
0.167	2.99	0.29	0.244	O I | | | | |	1.16
0.250	3.67	0.37	0.265	O I | | | | |	1.24
0.333	4.15	0.47	0.289	O I| | | | |	1.34
0.417	4.62	0.58	0.315	|O I | | | |	1.44
0.500	5.32	0.69	0.345	|O |I | | | |	1.56
0.583	6.11	0.83	0.379	|O | I | | | |	1.69
0.667	7.13	0.99	0.418	|O | I | | | |	1.85
0.750	9.36	1.28	0.467	| O | I | | |	2.03
0.833	18.19	2.36	0.550	| O | | | I |	2.30
0.917	17.34	3.70	0.651	| O | | | I |	2.63
1.000	8.02	4.48	0.710	| O| I | | |	2.83
1.083	3.97	4.62	0.720	| I O | | |	2.86
1.167	1.25	4.44	0.707	| I O| | | |	2.82
1.250	0.30	4.12	0.683	I O| | | |	2.74
1.333	0.08	3.78	0.657	I O | | | |	2.65
1.417	0.00	3.45	0.632	I O | | | |	2.57
1.500	0.00	3.15	0.610	I O | | | |	2.50
1.583	0.00	2.88	0.589	I O | | | |	2.43
1.667	0.00	2.63	0.570	I O | | | |	2.37
1.750	0.00	2.40	0.553	I O | | | |	2.31
1.833	0.00	2.19	0.537	I O | | | |	2.26
1.917	0.00	2.00	0.522	I O | | | |	2.21
2.000	0.00	1.83	0.509	I O | | | |	2.17
2.083	0.00	1.67	0.497	I O | | | |	2.13
2.167	0.00	1.52	0.486	I O | | | |	2.09
2.250	0.00	1.39	0.476	I O | | | |	2.06
2.333	0.00	1.27	0.467	I O | | | |	2.03
2.417	0.00	1.16	0.458	I O | | | |	2.00
2.500	0.00	1.11	0.451	IO | | | |	1.97
2.583	0.00	1.08	0.443	IO | | | |	1.95
2.667	0.00	1.06	0.436	IO | | | |	1.92

2.750	0.00	1.03	0.429	IO				1.89
2.833	0.00	1.00	0.422	IO				1.86
2.917	0.00	0.97	0.415	IO				1.83
3.000	0.00	0.95	0.408	IO				1.81
3.083	0.00	0.92	0.402	IO				1.78
3.167	0.00	0.90	0.395	IO				1.76
3.250	0.00	0.87	0.389	IO				1.73
3.333	0.00	0.85	0.383	IO				1.71
3.417	0.00	0.82	0.378	IO				1.69
3.500	0.00	0.80	0.372	IO				1.67
3.583	0.00	0.78	0.367	IO				1.64
3.667	0.00	0.76	0.361	IO				1.62
3.750	0.00	0.74	0.356	IO				1.60
3.833	0.00	0.72	0.351	IO				1.58
3.917	0.00	0.70	0.346	IO				1.56
4.000	0.00	0.68	0.342	IO				1.55
4.083	0.00	0.66	0.337	IO				1.53
4.167	0.00	0.64	0.332	IO				1.51
4.250	0.00	0.63	0.328	IO				1.49
4.333	0.00	0.61	0.324	IO				1.48
4.417	0.00	0.59	0.320	IO				1.46
4.500	0.00	0.58	0.316	IO				1.44
4.583	0.00	0.56	0.312	O				1.43
4.667	0.00	0.55	0.308	O				1.41
4.750	0.00	0.53	0.304	O				1.40
4.833	0.00	0.52	0.301	O				1.38
4.917	0.00	0.50	0.297	O				1.37
5.000	0.00	0.49	0.294	O				1.36
5.083	0.00	0.48	0.290	O				1.34
5.167	0.00	0.46	0.287	O				1.33
5.250	0.00	0.45	0.284	O				1.32
5.333	0.00	0.44	0.281	O				1.31
5.417	0.00	0.43	0.278	O				1.29
5.500	0.00	0.42	0.275	O				1.28
5.583	0.00	0.40	0.272	O				1.27
5.667	0.00	0.39	0.269	O				1.26
5.750	0.00	0.38	0.267	O				1.25
5.833	0.00	0.37	0.264	O				1.24
5.917	0.00	0.36	0.262	O				1.23
6.000	0.00	0.35	0.259	O				1.22
6.083	0.00	0.34	0.257	O				1.21
6.167	0.00	0.33	0.254	O				1.20
6.250	0.00	0.33	0.252	O				1.19
6.333	0.00	0.32	0.250	O				1.18
6.417	0.00	0.31	0.248	O				1.18
6.500	0.00	0.30	0.246	O				1.17
6.583	0.00	0.29	0.244	O				1.16
6.667	0.00	0.28	0.242	O				1.15
6.750	0.00	0.28	0.240	O				1.14
6.833	0.00	0.27	0.238	O				1.14
6.917	0.00	0.26	0.236	O				1.13
7.000	0.00	0.25	0.234	O				1.12

7.083	0.00	0.25	0.232	O	|	|	|	1.12
7.167	0.00	0.24	0.231	O	|	|	|	1.11
7.250	0.00	0.23	0.229	O	|	|	|	1.10
7.333	0.00	0.23	0.228	O	|	|	|	1.10
7.417	0.00	0.22	0.226	O	|	|	|	1.09
7.500	0.00	0.22	0.225	O	|	|	|	1.08
7.583	0.00	0.21	0.223	O	|	|	|	1.08
7.667	0.00	0.20	0.222	O	|	|	|	1.07
7.750	0.00	0.20	0.220	O	|	|	|	1.07
7.833	0.00	0.19	0.219	O	|	|	|	1.06
7.917	0.00	0.19	0.218	O	|	|	|	1.06
8.000	0.00	0.18	0.216	O	|	|	|	1.05
8.083	0.00	0.18	0.215	O	|	|	|	1.05
8.167	0.00	0.17	0.214	O	|	|	|	1.04
8.250	0.00	0.17	0.213	O	|	|	|	1.04
8.333	0.00	0.16	0.212	O	|	|	|	1.03
8.417	0.00	0.16	0.210	O	|	|	|	1.03
8.500	0.00	0.16	0.209	O	|	|	|	1.02
8.583	0.00	0.15	0.208	O	|	|	|	1.02
8.667	0.00	0.15	0.207	O	|	|	|	1.02
8.750	0.00	0.14	0.206	O	|	|	|	1.01
8.833	0.00	0.14	0.205	O	|	|	|	1.01
8.917	0.00	0.14	0.204	O	|	|	|	1.01
9.000	0.00	0.13	0.203	O	|	|	|	1.00
9.083	0.00	0.13	0.203	O	|	|	|	1.00
9.167	0.00	0.13	0.202	O	|	|	|	0.99
9.250	0.00	0.13	0.201	O	|	|	|	0.99
9.333	0.00	0.13	0.200	O	|	|	|	0.98
9.417	0.00	0.13	0.199	O	|	|	|	0.98
9.500	0.00	0.13	0.198	O	|	|	|	0.98
9.583	0.00	0.13	0.197	O	|	|	|	0.97
9.667	0.00	0.13	0.196	O	|	|	|	0.97
9.750	0.00	0.13	0.195	O	|	|	|	0.96
9.833	0.00	0.12	0.195	O	|	|	|	0.96
9.917	0.00	0.12	0.194	O	|	|	|	0.95
10.000	0.00	0.12	0.193	O	|	|	|	0.95
10.083	0.00	0.12	0.192	O	|	|	|	0.95
10.167	0.00	0.12	0.191	O	|	|	|	0.94
10.250	0.00	0.12	0.190	O	|	|	|	0.94
10.333	0.00	0.12	0.190	O	|	|	|	0.93
10.417	0.00	0.12	0.189	O	|	|	|	0.93
10.500	0.00	0.12	0.188	O	|	|	|	0.93
10.583	0.00	0.12	0.187	O	|	|	|	0.92
10.667	0.00	0.12	0.186	O	|	|	|	0.92
10.750	0.00	0.12	0.185	O	|	|	|	0.91
10.833	0.00	0.12	0.185	O	|	|	|	0.91
10.917	0.00	0.12	0.184	O	|	|	|	0.91
11.000	0.00	0.12	0.183	O	|	|	|	0.90
11.083	0.00	0.12	0.182	O	|	|	|	0.90
11.167	0.00	0.12	0.181	O	|	|	|	0.89
11.250	0.00	0.12	0.181	O	|	|	|	0.89
11.333	0.00	0.12	0.180	O	|	|	|	0.89

11.417	0.00	0.11	0.179	O	|	|	|	0.88
11.500	0.00	0.11	0.178	O	|	|	|	0.88
11.583	0.00	0.11	0.177	O	|	|	|	0.87
11.667	0.00	0.11	0.177	O	|	|	|	0.87
11.750	0.00	0.11	0.176	O	|	|	|	0.87
11.833	0.00	0.11	0.175	O	|	|	|	0.86
11.917	0.00	0.11	0.174	O	|	|	|	0.86
12.000	0.00	0.11	0.174	O	|	|	|	0.85
12.083	0.00	0.11	0.173	O	|	|	|	0.85
12.167	0.00	0.11	0.172	O	|	|	|	0.85
12.250	0.00	0.11	0.171	O	|	|	|	0.84
12.333	0.00	0.11	0.171	O	|	|	|	0.84
12.417	0.00	0.11	0.170	O	|	|	|	0.84
12.500	0.00	0.11	0.169	O	|	|	|	0.83
12.583	0.00	0.11	0.168	O	|	|	|	0.83
12.667	0.00	0.11	0.168	O	|	|	|	0.83
12.750	0.00	0.11	0.167	O	|	|	|	0.82
12.833	0.00	0.11	0.166	O	|	|	|	0.82
12.917	0.00	0.11	0.165	O	|	|	|	0.81
13.000	0.00	0.11	0.165	O	|	|	|	0.81
13.083	0.00	0.10	0.164	O	|	|	|	0.81
13.167	0.00	0.10	0.163	O	|	|	|	0.80
13.250	0.00	0.10	0.162	O	|	|	|	0.80
13.333	0.00	0.10	0.162	O	|	|	|	0.80
13.417	0.00	0.10	0.161	O	|	|	|	0.79
13.500	0.00	0.10	0.160	O	|	|	|	0.79
13.583	0.00	0.10	0.160	O	|	|	|	0.79
13.667	0.00	0.10	0.159	O	|	|	|	0.78
13.750	0.00	0.10	0.158	O	|	|	|	0.78
13.833	0.00	0.10	0.157	O	|	|	|	0.78
13.917	0.00	0.10	0.157	O	|	|	|	0.77
14.000	0.00	0.10	0.156	O	|	|	|	0.77
14.083	0.00	0.10	0.155	O	|	|	|	0.77
14.167	0.00	0.10	0.155	O	|	|	|	0.76
14.250	0.00	0.10	0.154	O	|	|	|	0.76
14.333	0.00	0.10	0.153	O	|	|	|	0.76
14.417	0.00	0.10	0.153	O	|	|	|	0.75
14.500	0.00	0.10	0.152	O	|	|	|	0.75
14.583	0.00	0.10	0.151	O	|	|	|	0.75
14.667	0.00	0.10	0.151	O	|	|	|	0.74
14.750	0.00	0.10	0.150	O	|	|	|	0.74
14.833	0.00	0.10	0.149	O	|	|	|	0.74
14.917	0.00	0.10	0.149	O	|	|	|	0.73
15.000	0.00	0.09	0.148	O	|	|	|	0.73
15.083	0.00	0.09	0.147	O	|	|	|	0.73
15.167	0.00	0.09	0.147	O	|	|	|	0.72
15.250	0.00	0.09	0.146	O	|	|	|	0.72
15.333	0.00	0.09	0.145	O	|	|	|	0.72
15.417	0.00	0.09	0.145	O	|	|	|	0.71
15.500	0.00	0.09	0.144	O	|	|	|	0.71
15.583	0.00	0.09	0.144	O	|	|	|	0.71
15.667	0.00	0.09	0.143	O	|	|	|	0.70

15.750	0.00	0.09	0.142	O	|	|	|	0.70
15.833	0.00	0.09	0.142	O	|	|	|	0.70
15.917	0.00	0.09	0.141	O	|	|	|	0.69
16.000	0.00	0.09	0.140	O	|	|	|	0.69
16.083	0.00	0.09	0.140	O	|	|	|	0.69
16.167	0.00	0.09	0.139	O	|	|	|	0.69
16.250	0.00	0.09	0.139	O	|	|	|	0.68
16.333	0.00	0.09	0.138	O	|	|	|	0.68
16.417	0.00	0.09	0.137	O	|	|	|	0.68
16.500	0.00	0.09	0.137	O	|	|	|	0.67
16.583	0.00	0.09	0.136	O	|	|	|	0.67
16.667	0.00	0.09	0.136	O	|	|	|	0.67
16.750	0.00	0.09	0.135	O	|	|	|	0.66
16.833	0.00	0.09	0.134	O	|	|	|	0.66
16.917	0.00	0.09	0.134	O	|	|	|	0.66
17.000	0.00	0.09	0.133	O	|	|	|	0.66
17.083	0.00	0.08	0.133	O	|	|	|	0.65
17.167	0.00	0.08	0.132	O	|	|	|	0.65
17.250	0.00	0.08	0.131	O	|	|	|	0.65
17.333	0.00	0.08	0.131	O	|	|	|	0.64
17.417	0.00	0.08	0.130	O	|	|	|	0.64
17.500	0.00	0.08	0.130	O	|	|	|	0.64
17.583	0.00	0.08	0.129	O	|	|	|	0.64
17.667	0.00	0.08	0.129	O	|	|	|	0.63
17.750	0.00	0.08	0.128	O	|	|	|	0.63
17.833	0.00	0.08	0.127	O	|	|	|	0.63
17.917	0.00	0.08	0.127	O	|	|	|	0.63
18.000	0.00	0.08	0.126	O	|	|	|	0.62
18.083	0.00	0.08	0.126	O	|	|	|	0.62
18.167	0.00	0.08	0.125	O	|	|	|	0.62
18.250	0.00	0.08	0.125	O	|	|	|	0.61
18.333	0.00	0.08	0.124	O	|	|	|	0.61
18.417	0.00	0.08	0.124	O	|	|	|	0.61
18.500	0.00	0.08	0.123	O	|	|	|	0.61
18.583	0.00	0.08	0.122	O	|	|	|	0.60
18.667	0.00	0.08	0.122	O	|	|	|	0.60
18.750	0.00	0.08	0.121	O	|	|	|	0.60
18.833	0.00	0.08	0.121	O	|	|	|	0.60
18.917	0.00	0.08	0.120	O	|	|	|	0.59
19.000	0.00	0.08	0.120	O	|	|	|	0.59
19.083	0.00	0.08	0.119	O	|	|	|	0.59
19.167	0.00	0.08	0.119	O	|	|	|	0.59
19.250	0.00	0.08	0.118	O	|	|	|	0.58
19.333	0.00	0.08	0.118	O	|	|	|	0.58
19.417	0.00	0.08	0.117	O	|	|	|	0.58
19.500	0.00	0.07	0.117	O	|	|	|	0.57
19.583	0.00	0.07	0.116	O	|	|	|	0.57
19.667	0.00	0.07	0.116	O	|	|	|	0.57
19.750	0.00	0.07	0.115	O	|	|	|	0.57
19.833	0.00	0.07	0.115	O	|	|	|	0.56
19.917	0.00	0.07	0.114	O	|	|	|	0.56
20.000	0.00	0.07	0.114	O	|	|	|	0.56

20.083	0.00	0.07	0.113	O	|	|	|	0.56
20.167	0.00	0.07	0.113	O	|	|	|	0.55
20.250	0.00	0.07	0.112	O	|	|	|	0.55
20.333	0.00	0.07	0.112	O	|	|	|	0.55
20.417	0.00	0.07	0.111	O	|	|	|	0.55
20.500	0.00	0.07	0.111	O	|	|	|	0.55
20.583	0.00	0.07	0.110	O	|	|	|	0.54
20.667	0.00	0.07	0.110	O	|	|	|	0.54
20.750	0.00	0.07	0.109	O	|	|	|	0.54
20.833	0.00	0.07	0.109	O	|	|	|	0.54
20.917	0.00	0.07	0.108	O	|	|	|	0.53
21.000	0.00	0.07	0.108	O	|	|	|	0.53
21.083	0.00	0.07	0.107	O	|	|	|	0.53
21.167	0.00	0.07	0.107	O	|	|	|	0.53
21.250	0.00	0.07	0.106	O	|	|	|	0.52
21.333	0.00	0.07	0.106	O	|	|	|	0.52
21.417	0.00	0.07	0.105	O	|	|	|	0.52
21.500	0.00	0.07	0.105	O	|	|	|	0.52
21.583	0.00	0.07	0.105	O	|	|	|	0.51
21.667	0.00	0.07	0.104	O	|	|	|	0.51
21.750	0.00	0.07	0.104	O	|	|	|	0.51
21.833	0.00	0.07	0.103	O	|	|	|	0.51
21.917	0.00	0.07	0.103	O	|	|	|	0.51
22.000	0.00	0.07	0.102	O	|	|	|	0.50
22.083	0.00	0.07	0.102	O	|	|	|	0.50
22.167	0.00	0.06	0.101	O	|	|	|	0.50
22.250	0.00	0.06	0.101	O	|	|	|	0.50
22.333	0.00	0.06	0.100	O	|	|	|	0.49
22.417	0.00	0.06	0.100	O	|	|	|	0.49
22.500	0.00	0.06	0.100	O	|	|	|	0.49
22.583	0.00	0.06	0.099	O	|	|	|	0.49
22.667	0.00	0.06	0.099	O	|	|	|	0.49
22.750	0.00	0.06	0.098	O	|	|	|	0.48
22.833	0.00	0.06	0.098	O	|	|	|	0.48
22.917	0.00	0.06	0.097	O	|	|	|	0.48
23.000	0.00	0.06	0.097	O	|	|	|	0.48
23.083	0.00	0.06	0.097	O	|	|	|	0.48
23.167	0.00	0.06	0.096	O	|	|	|	0.47
23.250	0.00	0.06	0.096	O	|	|	|	0.47
23.333	0.00	0.06	0.095	O	|	|	|	0.47
23.417	0.00	0.06	0.095	O	|	|	|	0.47
23.500	0.00	0.06	0.094	O	|	|	|	0.47
23.583	0.00	0.06	0.094	O	|	|	|	0.46
23.667	0.00	0.06	0.094	O	|	|	|	0.46
23.750	0.00	0.06	0.093	O	|	|	|	0.46
23.833	0.00	0.06	0.093	O	|	|	|	0.46
23.917	0.00	0.06	0.092	O	|	|	|	0.46
24.000	0.00	0.06	0.092	O	|	|	|	0.45
24.083	0.00	0.06	0.092	O	|	|	|	0.45
24.167	0.00	0.06	0.091	O	|	|	|	0.45
24.250	0.00	0.06	0.091	O	|	|	|	0.45
24.333	0.00	0.06	0.090	O	|	|	|	0.45

24.417	0.00	0.06	0.090	O	|	|	|	0.44
24.500	0.00	0.06	0.090	O	|	|	|	0.44
24.583	0.00	0.06	0.089	O	|	|	|	0.44
24.667	0.00	0.06	0.089	O	|	|	|	0.44
24.750	0.00	0.06	0.088	O	|	|	|	0.44
24.833	0.00	0.06	0.088	O	|	|	|	0.43
24.917	0.00	0.06	0.088	O	|	|	|	0.43
25.000	0.00	0.06	0.087	O	|	|	|	0.43
25.083	0.00	0.06	0.087	O	|	|	|	0.43
25.167	0.00	0.06	0.086	O	|	|	|	0.43
25.250	0.00	0.06	0.086	O	|	|	|	0.42
25.333	0.00	0.05	0.086	O	|	|	|	0.42
25.417	0.00	0.05	0.085	O	|	|	|	0.42
25.500	0.00	0.05	0.085	O	|	|	|	0.42
25.583	0.00	0.05	0.085	O	|	|	|	0.42
25.667	0.00	0.05	0.084	O	|	|	|	0.41
25.750	0.00	0.05	0.084	O	|	|	|	0.41
25.833	0.00	0.05	0.083	O	|	|	|	0.41
25.917	0.00	0.05	0.083	O	|	|	|	0.41
26.000	0.00	0.05	0.083	O	|	|	|	0.41
26.083	0.00	0.05	0.082	O	|	|	|	0.41
26.167	0.00	0.05	0.082	O	|	|	|	0.40
26.250	0.00	0.05	0.082	O	|	|	|	0.40
26.333	0.00	0.05	0.081	O	|	|	|	0.40
26.417	0.00	0.05	0.081	O	|	|	|	0.40
26.500	0.00	0.05	0.081	O	|	|	|	0.40
26.583	0.00	0.05	0.080	O	|	|	|	0.40
26.667	0.00	0.05	0.080	O	|	|	|	0.39
26.750	0.00	0.05	0.080	O	|	|	|	0.39
26.833	0.00	0.05	0.079	O	|	|	|	0.39
26.917	0.00	0.05	0.079	O	|	|	|	0.39
27.000	0.00	0.05	0.078	O	|	|	|	0.39
27.083	0.00	0.05	0.078	O	|	|	|	0.38
27.167	0.00	0.05	0.078	O	|	|	|	0.38
27.250	0.00	0.05	0.077	O	|	|	|	0.38
27.333	0.00	0.05	0.077	O	|	|	|	0.38
27.417	0.00	0.05	0.077	O	|	|	|	0.38
27.500	0.00	0.05	0.076	O	|	|	|	0.38
27.583	0.00	0.05	0.076	O	|	|	|	0.37
27.667	0.00	0.05	0.076	O	|	|	|	0.37
27.750	0.00	0.05	0.075	O	|	|	|	0.37
27.833	0.00	0.05	0.075	O	|	|	|	0.37
27.917	0.00	0.05	0.075	O	|	|	|	0.37
28.000	0.00	0.05	0.074	O	|	|	|	0.37
28.083	0.00	0.05	0.074	O	|	|	|	0.36
28.167	0.00	0.05	0.074	O	|	|	|	0.36
28.250	0.00	0.05	0.073	O	|	|	|	0.36
28.333	0.00	0.05	0.073	O	|	|	|	0.36
28.417	0.00	0.05	0.073	O	|	|	|	0.36
28.500	0.00	0.05	0.072	O	|	|	|	0.36
28.583	0.00	0.05	0.072	O	|	|	|	0.36
28.667	0.00	0.05	0.072	O	|	|	|	0.35

28.750	0.00	0.05	0.072	O	|	|	|	0.35
28.833	0.00	0.05	0.071	O	|	|	|	0.35
28.917	0.00	0.05	0.071	O	|	|	|	0.35
29.000	0.00	0.05	0.071	O	|	|	|	0.35
29.083	0.00	0.04	0.070	O	|	|	|	0.35
29.167	0.00	0.04	0.070	O	|	|	|	0.34
29.250	0.00	0.04	0.070	O	|	|	|	0.34
29.333	0.00	0.04	0.069	O	|	|	|	0.34
29.417	0.00	0.04	0.069	O	|	|	|	0.34
29.500	0.00	0.04	0.069	O	|	|	|	0.34
29.583	0.00	0.04	0.068	O	|	|	|	0.34
29.667	0.00	0.04	0.068	O	|	|	|	0.34
29.750	0.00	0.04	0.068	O	|	|	|	0.33
29.833	0.00	0.04	0.068	O	|	|	|	0.33
29.917	0.00	0.04	0.067	O	|	|	|	0.33
30.000	0.00	0.04	0.067	O	|	|	|	0.33
30.083	0.00	0.04	0.067	O	|	|	|	0.33
30.167	0.00	0.04	0.066	O	|	|	|	0.33
30.250	0.00	0.04	0.066	O	|	|	|	0.33
30.333	0.00	0.04	0.066	O	|	|	|	0.32
30.417	0.00	0.04	0.065	O	|	|	|	0.32
30.500	0.00	0.04	0.065	O	|	|	|	0.32
30.583	0.00	0.04	0.065	O	|	|	|	0.32
30.667	0.00	0.04	0.065	O	|	|	|	0.32
30.750	0.00	0.04	0.064	O	|	|	|	0.32
30.833	0.00	0.04	0.064	O	|	|	|	0.32
30.917	0.00	0.04	0.064	O	|	|	|	0.31
31.000	0.00	0.04	0.063	O	|	|	|	0.31
31.083	0.00	0.04	0.063	O	|	|	|	0.31
31.167	0.00	0.04	0.063	O	|	|	|	0.31
31.250	0.00	0.04	0.063	O	|	|	|	0.31
31.333	0.00	0.04	0.062	O	|	|	|	0.31
31.417	0.00	0.04	0.062	O	|	|	|	0.31
31.500	0.00	0.04	0.062	O	|	|	|	0.30
31.583	0.00	0.04	0.062	O	|	|	|	0.30
31.667	0.00	0.04	0.061	O	|	|	|	0.30
31.750	0.00	0.04	0.061	O	|	|	|	0.30
31.833	0.00	0.04	0.061	O	|	|	|	0.30
31.917	0.00	0.04	0.060	O	|	|	|	0.30
32.000	0.00	0.04	0.060	O	|	|	|	0.30
32.083	0.00	0.04	0.060	O	|	|	|	0.30
32.167	0.00	0.04	0.060	O	|	|	|	0.29
32.250	0.00	0.04	0.059	O	|	|	|	0.29
32.333	0.00	0.04	0.059	O	|	|	|	0.29
32.417	0.00	0.04	0.059	O	|	|	|	0.29
32.500	0.00	0.04	0.059	O	|	|	|	0.29
32.583	0.00	0.04	0.058	O	|	|	|	0.29
32.667	0.00	0.04	0.058	O	|	|	|	0.29
32.750	0.00	0.04	0.058	O	|	|	|	0.29
32.833	0.00	0.04	0.058	O	|	|	|	0.28
32.917	0.00	0.04	0.057	O	|	|	|	0.28
33.000	0.00	0.04	0.057	O	|	|	|	0.28

33.083	0.00	0.04	0.057	O	|	|	|	0.28
33.167	0.00	0.04	0.057	O	|	|	|	0.28
33.250	0.00	0.04	0.056	O	|	|	|	0.28
33.333	0.00	0.04	0.056	O	|	|	|	0.28
33.417	0.00	0.04	0.056	O	|	|	|	0.28
33.500	0.00	0.04	0.056	O	|	|	|	0.27
33.583	0.00	0.04	0.055	O	|	|	|	0.27
33.667	0.00	0.04	0.055	O	|	|	|	0.27
33.750	0.00	0.04	0.055	O	|	|	|	0.27
33.833	0.00	0.03	0.055	O	|	|	|	0.27
33.917	0.00	0.03	0.054	O	|	|	|	0.27
34.000	0.00	0.03	0.054	O	|	|	|	0.27
34.083	0.00	0.03	0.054	O	|	|	|	0.27
34.167	0.00	0.03	0.054	O	|	|	|	0.26
34.250	0.00	0.03	0.053	O	|	|	|	0.26
34.333	0.00	0.03	0.053	O	|	|	|	0.26
34.417	0.00	0.03	0.053	O	|	|	|	0.26
34.500	0.00	0.03	0.053	O	|	|	|	0.26
34.583	0.00	0.03	0.053	O	|	|	|	0.26
34.667	0.00	0.03	0.052	O	|	|	|	0.26
34.750	0.00	0.03	0.052	O	|	|	|	0.26
34.833	0.00	0.03	0.052	O	|	|	|	0.26
34.917	0.00	0.03	0.052	O	|	|	|	0.25
35.000	0.00	0.03	0.051	O	|	|	|	0.25
35.083	0.00	0.03	0.051	O	|	|	|	0.25
35.167	0.00	0.03	0.051	O	|	|	|	0.25
35.250	0.00	0.03	0.051	O	|	|	|	0.25
35.333	0.00	0.03	0.050	O	|	|	|	0.25
35.417	0.00	0.03	0.050	O	|	|	|	0.25
35.500	0.00	0.03	0.050	O	|	|	|	0.25
35.583	0.00	0.03	0.050	O	|	|	|	0.25
35.667	0.00	0.03	0.050	O	|	|	|	0.24
35.750	0.00	0.03	0.049	O	|	|	|	0.24
35.833	0.00	0.03	0.049	O	|	|	|	0.24
35.917	0.00	0.03	0.049	O	|	|	|	0.24
36.000	0.00	0.03	0.049	O	|	|	|	0.24
36.083	0.00	0.03	0.049	O	|	|	|	0.24
36.167	0.00	0.03	0.048	O	|	|	|	0.24
36.250	0.00	0.03	0.048	O	|	|	|	0.24
36.333	0.00	0.03	0.048	O	|	|	|	0.24
36.417	0.00	0.03	0.048	O	|	|	|	0.23
36.500	0.00	0.03	0.047	O	|	|	|	0.23
36.583	0.00	0.03	0.047	O	|	|	|	0.23
36.667	0.00	0.03	0.047	O	|	|	|	0.23
36.750	0.00	0.03	0.047	O	|	|	|	0.23
36.833	0.00	0.03	0.047	O	|	|	|	0.23
36.917	0.00	0.03	0.046	O	|	|	|	0.23
37.000	0.00	0.03	0.046	O	|	|	|	0.23
37.083	0.00	0.03	0.046	O	|	|	|	0.23
37.167	0.00	0.03	0.046	O	|	|	|	0.23
37.250	0.00	0.03	0.046	O	|	|	|	0.22
37.333	0.00	0.03	0.045	O	|	|	|	0.22

37.417	0.00	0.03	0.045	O	|	|	|	0.22
37.500	0.00	0.03	0.045	O	|	|	|	0.22
37.583	0.00	0.03	0.045	O	|	|	|	0.22
37.667	0.00	0.03	0.045	O	|	|	|	0.22
37.750	0.00	0.03	0.044	O	|	|	|	0.22
37.833	0.00	0.03	0.044	O	|	|	|	0.22
37.917	0.00	0.03	0.044	O	|	|	|	0.22
38.000	0.00	0.03	0.044	O	|	|	|	0.22
38.083	0.00	0.03	0.044	O	|	|	|	0.21
38.167	0.00	0.03	0.043	O	|	|	|	0.21
38.250	0.00	0.03	0.043	O	|	|	|	0.21
38.333	0.00	0.03	0.043	O	|	|	|	0.21
38.417	0.00	0.03	0.043	O	|	|	|	0.21
38.500	0.00	0.03	0.043	O	|	|	|	0.21
38.583	0.00	0.03	0.043	O	|	|	|	0.21
38.667	0.00	0.03	0.042	O	|	|	|	0.21
38.750	0.00	0.03	0.042	O	|	|	|	0.21
38.833	0.00	0.03	0.042	O	|	|	|	0.21
38.917	0.00	0.03	0.042	O	|	|	|	0.21
39.000	0.00	0.03	0.042	O	|	|	|	0.20
39.083	0.00	0.03	0.041	O	|	|	|	0.20
39.167	0.00	0.03	0.041	O	|	|	|	0.20
39.250	0.00	0.03	0.041	O	|	|	|	0.20
39.333	0.00	0.03	0.041	O	|	|	|	0.20
39.417	0.00	0.03	0.041	O	|	|	|	0.20
39.500	0.00	0.03	0.040	O	|	|	|	0.20
39.583	0.00	0.03	0.040	O	|	|	|	0.20
39.667	0.00	0.03	0.040	O	|	|	|	0.20
39.750	0.00	0.03	0.040	O	|	|	|	0.20
39.833	0.00	0.03	0.040	O	|	|	|	0.20
39.917	0.00	0.03	0.040	O	|	|	|	0.20
40.000	0.00	0.03	0.039	O	|	|	|	0.19
40.083	0.00	0.03	0.039	O	|	|	|	0.19
40.167	0.00	0.03	0.039	O	|	|	|	0.19
40.250	0.00	0.02	0.039	O	|	|	|	0.19
40.333	0.00	0.02	0.039	O	|	|	|	0.19
40.417	0.00	0.02	0.039	O	|	|	|	0.19
40.500	0.00	0.02	0.038	O	|	|	|	0.19
40.583	0.00	0.02	0.038	O	|	|	|	0.19
40.667	0.00	0.02	0.038	O	|	|	|	0.19
40.750	0.00	0.02	0.038	O	|	|	|	0.19
40.833	0.00	0.02	0.038	O	|	|	|	0.19
40.917	0.00	0.02	0.038	O	|	|	|	0.19
41.000	0.00	0.02	0.037	O	|	|	|	0.18
41.083	0.00	0.02	0.037	O	|	|	|	0.18
41.167	0.00	0.02	0.037	O	|	|	|	0.18
41.250	0.00	0.02	0.037	O	|	|	|	0.18
41.333	0.00	0.02	0.037	O	|	|	|	0.18
41.417	0.00	0.02	0.037	O	|	|	|	0.18
41.500	0.00	0.02	0.036	O	|	|	|	0.18
41.583	0.00	0.02	0.036	O	|	|	|	0.18
41.667	0.00	0.02	0.036	O	|	|	|	0.18

41.750	0.00	0.02	0.036	O	|	|	|	0.18
41.833	0.00	0.02	0.036	O	|	|	|	0.18
41.917	0.00	0.02	0.036	O	|	|	|	0.18
42.000	0.00	0.02	0.035	O	|	|	|	0.17
42.083	0.00	0.02	0.035	O	|	|	|	0.17
42.167	0.00	0.02	0.035	O	|	|	|	0.17
42.250	0.00	0.02	0.035	O	|	|	|	0.17
42.333	0.00	0.02	0.035	O	|	|	|	0.17
42.417	0.00	0.02	0.035	O	|	|	|	0.17
42.500	0.00	0.02	0.035	O	|	|	|	0.17
42.583	0.00	0.02	0.034	O	|	|	|	0.17
42.667	0.00	0.02	0.034	O	|	|	|	0.17
42.750	0.00	0.02	0.034	O	|	|	|	0.17
42.833	0.00	0.02	0.034	O	|	|	|	0.17
42.917	0.00	0.02	0.034	O	|	|	|	0.17
43.000	0.00	0.02	0.034	O	|	|	|	0.17
43.083	0.00	0.02	0.033	O	|	|	|	0.16
43.167	0.00	0.02	0.033	O	|	|	|	0.16
43.250	0.00	0.02	0.033	O	|	|	|	0.16
43.333	0.00	0.02	0.033	O	|	|	|	0.16
43.417	0.00	0.02	0.033	O	|	|	|	0.16
43.500	0.00	0.02	0.033	O	|	|	|	0.16
43.583	0.00	0.02	0.033	O	|	|	|	0.16
43.667	0.00	0.02	0.032	O	|	|	|	0.16
43.750	0.00	0.02	0.032	O	|	|	|	0.16
43.833	0.00	0.02	0.032	O	|	|	|	0.16
43.917	0.00	0.02	0.032	O	|	|	|	0.16
44.000	0.00	0.02	0.032	O	|	|	|	0.16
44.083	0.00	0.02	0.032	O	|	|	|	0.16
44.167	0.00	0.02	0.032	O	|	|	|	0.16
44.250	0.00	0.02	0.031	O	|	|	|	0.16
44.333	0.00	0.02	0.031	O	|	|	|	0.15
44.417	0.00	0.02	0.031	O	|	|	|	0.15
44.500	0.00	0.02	0.031	O	|	|	|	0.15
44.583	0.00	0.02	0.031	O	|	|	|	0.15
44.667	0.00	0.02	0.031	O	|	|	|	0.15
44.750	0.00	0.02	0.031	O	|	|	|	0.15
44.833	0.00	0.02	0.031	O	|	|	|	0.15
44.917	0.00	0.02	0.030	O	|	|	|	0.15
45.000	0.00	0.02	0.030	O	|	|	|	0.15
45.083	0.00	0.02	0.030	O	|	|	|	0.15
45.167	0.00	0.02	0.030	O	|	|	|	0.15
45.250	0.00	0.02	0.030	O	|	|	|	0.15
45.333	0.00	0.02	0.030	O	|	|	|	0.15
45.417	0.00	0.02	0.030	O	|	|	|	0.15
45.500	0.00	0.02	0.029	O	|	|	|	0.15
45.583	0.00	0.02	0.029	O	|	|	|	0.14
45.667	0.00	0.02	0.029	O	|	|	|	0.14
45.750	0.00	0.02	0.029	O	|	|	|	0.14
45.833	0.00	0.02	0.029	O	|	|	|	0.14
45.917	0.00	0.02	0.029	O	|	|	|	0.14
46.000	0.00	0.02	0.029	O	|	|	|	0.14

46.083	0.00	0.02	0.029	O	|	|	|	0.14
46.167	0.00	0.02	0.028	O	|	|	|	0.14
46.250	0.00	0.02	0.028	O	|	|	|	0.14
46.333	0.00	0.02	0.028	O	|	|	|	0.14
46.417	0.00	0.02	0.028	O	|	|	|	0.14
46.500	0.00	0.02	0.028	O	|	|	|	0.14
46.583	0.00	0.02	0.028	O	|	|	|	0.14
46.667	0.00	0.02	0.028	O	|	|	|	0.14
46.750	0.00	0.02	0.028	O	|	|	|	0.14
46.833	0.00	0.02	0.027	O	|	|	|	0.14
46.917	0.00	0.02	0.027	O	|	|	|	0.13
47.000	0.00	0.02	0.027	O	|	|	|	0.13
47.083	0.00	0.02	0.027	O	|	|	|	0.13
47.167	0.00	0.02	0.027	O	|	|	|	0.13
47.250	0.00	0.02	0.027	O	|	|	|	0.13
47.333	0.00	0.02	0.027	O	|	|	|	0.13
47.417	0.00	0.02	0.027	O	|	|	|	0.13
47.500	0.00	0.02	0.027	O	|	|	|	0.13
47.583	0.00	0.02	0.026	O	|	|	|	0.13
47.667	0.00	0.02	0.026	O	|	|	|	0.13
47.750	0.00	0.02	0.026	O	|	|	|	0.13
47.833	0.00	0.02	0.026	O	|	|	|	0.13
47.917	0.00	0.02	0.026	O	|	|	|	0.13
48.000	0.00	0.02	0.026	O	|	|	|	0.13
48.083	0.00	0.02	0.026	O	|	|	|	0.13
48.167	0.00	0.02	0.026	O	|	|	|	0.13
48.250	0.00	0.02	0.025	O	|	|	|	0.13
48.333	0.00	0.02	0.025	O	|	|	|	0.12
48.417	0.00	0.02	0.025	O	|	|	|	0.12
48.500	0.00	0.02	0.025	O	|	|	|	0.12
48.583	0.00	0.02	0.025	O	|	|	|	0.12
48.667	0.00	0.02	0.025	O	|	|	|	0.12
48.750	0.00	0.02	0.025	O	|	|	|	0.12
48.833	0.00	0.02	0.025	O	|	|	|	0.12
48.917	0.00	0.02	0.025	O	|	|	|	0.12
49.000	0.00	0.02	0.024	O	|	|	|	0.12
49.083	0.00	0.02	0.024	O	|	|	|	0.12
49.167	0.00	0.02	0.024	O	|	|	|	0.12
49.250	0.00	0.02	0.024	O	|	|	|	0.12
49.333	0.00	0.02	0.024	O	|	|	|	0.12
49.417	0.00	0.02	0.024	O	|	|	|	0.12
49.500	0.00	0.02	0.024	O	|	|	|	0.12
49.583	0.00	0.02	0.024	O	|	|	|	0.12
49.667	0.00	0.02	0.024	O	|	|	|	0.12
49.750	0.00	0.02	0.024	O	|	|	|	0.12
49.833	0.00	0.02	0.023	O	|	|	|	0.12
49.917	0.00	0.01	0.023	O	|	|	|	0.11
50.000	0.00	0.01	0.023	O	|	|	|	0.11
50.083	0.00	0.01	0.023	O	|	|	|	0.11
50.167	0.00	0.01	0.023	O	|	|	|	0.11
50.250	0.00	0.01	0.023	O	|	|	|	0.11
50.333	0.00	0.01	0.023	O	|	|	|	0.11

50.417	0.00	0.01	0.023	O	|	|	|	|	0.11
50.500	0.00	0.01	0.023	O	|	|	|	|	0.11
50.583	0.00	0.01	0.023	O	|	|	|	|	0.11
50.667	0.00	0.01	0.022	O	|	|	|	|	0.11
50.750	0.00	0.01	0.022	O	|	|	|	|	0.11
50.833	0.00	0.01	0.022	O	|	|	|	|	0.11
50.917	0.00	0.01	0.022	O	|	|	|	|	0.11
51.000	0.00	0.01	0.022	O	|	|	|	|	0.11
51.083	0.00	0.01	0.022	O	|	|	|	|	0.11
51.167	0.00	0.01	0.022	O	|	|	|	|	0.11
51.250	0.00	0.01	0.022	O	|	|	|	|	0.11
51.333	0.00	0.01	0.022	O	|	|	|	|	0.11
51.417	0.00	0.01	0.022	O	|	|	|	|	0.11
51.500	0.00	0.01	0.021	O	|	|	|	|	0.11
51.583	0.00	0.01	0.021	O	|	|	|	|	0.11
51.667	0.00	0.01	0.021	O	|	|	|	|	0.10
51.750	0.00	0.01	0.021	O	|	|	|	|	0.10
51.833	0.00	0.01	0.021	O	|	|	|	|	0.10
51.917	0.00	0.01	0.021	O	|	|	|	|	0.10
52.000	0.00	0.01	0.021	O	|	|	|	|	0.10
52.083	0.00	0.01	0.021	O	|	|	|	|	0.10
52.167	0.00	0.01	0.021	O	|	|	|	|	0.10
52.250	0.00	0.01	0.021	O	|	|	|	|	0.10
52.333	0.00	0.01	0.021	O	|	|	|	|	0.10
52.417	0.00	0.01	0.020	O	|	|	|	|	0.10
52.500	0.00	0.01	0.020	O	|	|	|	|	0.10
52.583	0.00	0.01	0.020	O	|	|	|	|	0.10
52.667	0.00	0.01	0.020	O	|	|	|	|	0.10
52.750	0.00	0.01	0.020	O	|	|	|	|	0.10
52.833	0.00	0.01	0.020	O	|	|	|	|	0.10
52.917	0.00	0.01	0.020	O	|	|	|	|	0.10
53.000	0.00	0.01	0.020	O	|	|	|	|	0.10
53.083	0.00	0.01	0.020	O	|	|	|	|	0.10
53.167	0.00	0.01	0.020	O	|	|	|	|	0.10
53.250	0.00	0.01	0.020	O	|	|	|	|	0.10
53.333	0.00	0.01	0.019	O	|	|	|	|	0.10
53.417	0.00	0.01	0.019	O	|	|	|	|	0.10
53.500	0.00	0.01	0.019	O	|	|	|	|	0.10
53.583	0.00	0.01	0.019	O	|	|	|	|	0.09
53.667	0.00	0.01	0.019	O	|	|	|	|	0.09
53.750	0.00	0.01	0.019	O	|	|	|	|	0.09
53.833	0.00	0.01	0.019	O	|	|	|	|	0.09
53.917	0.00	0.01	0.019	O	|	|	|	|	0.09
54.000	0.00	0.01	0.019	O	|	|	|	|	0.09
54.083	0.00	0.01	0.019	O	|	|	|	|	0.09
54.167	0.00	0.01	0.019	O	|	|	|	|	0.09
54.250	0.00	0.01	0.019	O	|	|	|	|	0.09
54.333	0.00	0.01	0.018	O	|	|	|	|	0.09
54.417	0.00	0.01	0.018	O	|	|	|	|	0.09
54.500	0.00	0.01	0.018	O	|	|	|	|	0.09
54.583	0.00	0.01	0.018	O	|	|	|	|	0.09
54.667	0.00	0.01	0.018	O	|	|	|	|	0.09

54.750	0.00	0.01	0.018	O	|	|	|	0.09
54.833	0.00	0.01	0.018	O	|	|	|	0.09
54.917	0.00	0.01	0.018	O	|	|	|	0.09
55.000	0.00	0.01	0.018	O	|	|	|	0.09
55.083	0.00	0.01	0.018	O	|	|	|	0.09
55.167	0.00	0.01	0.018	O	|	|	|	0.09
55.250	0.00	0.01	0.018	O	|	|	|	0.09
55.333	0.00	0.01	0.018	O	|	|	|	0.09
55.417	0.00	0.01	0.017	O	|	|	|	0.09
55.500	0.00	0.01	0.017	O	|	|	|	0.09
55.583	0.00	0.01	0.017	O	|	|	|	0.09
55.667	0.00	0.01	0.017	O	|	|	|	0.08
55.750	0.00	0.01	0.017	O	|	|	|	0.08
55.833	0.00	0.01	0.017	O	|	|	|	0.08
55.917	0.00	0.01	0.017	O	|	|	|	0.08
56.000	0.00	0.01	0.017	O	|	|	|	0.08
56.083	0.00	0.01	0.017	O	|	|	|	0.08
56.167	0.00	0.01	0.017	O	|	|	|	0.08
56.250	0.00	0.01	0.017	O	|	|	|	0.08
56.333	0.00	0.01	0.017	O	|	|	|	0.08
56.417	0.00	0.01	0.017	O	|	|	|	0.08
56.500	0.00	0.01	0.016	O	|	|	|	0.08
56.583	0.00	0.01	0.016	O	|	|	|	0.08
56.667	0.00	0.01	0.016	O	|	|	|	0.08
56.750	0.00	0.01	0.016	O	|	|	|	0.08
56.833	0.00	0.01	0.016	O	|	|	|	0.08
56.917	0.00	0.01	0.016	O	|	|	|	0.08
57.000	0.00	0.01	0.016	O	|	|	|	0.08
57.083	0.00	0.01	0.016	O	|	|	|	0.08
57.167	0.00	0.01	0.016	O	|	|	|	0.08
57.250	0.00	0.01	0.016	O	|	|	|	0.08
57.333	0.00	0.01	0.016	O	|	|	|	0.08
57.417	0.00	0.01	0.016	O	|	|	|	0.08
57.500	0.00	0.01	0.016	O	|	|	|	0.08
57.583	0.00	0.01	0.016	O	|	|	|	0.08
57.667	0.00	0.01	0.015	O	|	|	|	0.08
57.750	0.00	0.01	0.015	O	|	|	|	0.08
57.833	0.00	0.01	0.015	O	|	|	|	0.08
57.917	0.00	0.01	0.015	O	|	|	|	0.08
58.000	0.00	0.01	0.015	O	|	|	|	0.07
58.083	0.00	0.01	0.015	O	|	|	|	0.07
58.167	0.00	0.01	0.015	O	|	|	|	0.07
58.250	0.00	0.01	0.015	O	|	|	|	0.07
58.333	0.00	0.01	0.015	O	|	|	|	0.07
58.417	0.00	0.01	0.015	O	|	|	|	0.07
58.500	0.00	0.01	0.015	O	|	|	|	0.07
58.583	0.00	0.01	0.015	O	|	|	|	0.07
58.667	0.00	0.01	0.015	O	|	|	|	0.07
58.750	0.00	0.01	0.015	O	|	|	|	0.07
58.833	0.00	0.01	0.015	O	|	|	|	0.07
58.917	0.00	0.01	0.014	O	|	|	|	0.07
59.000	0.00	0.01	0.014	O	|	|	|	0.07

59.083	0.00	0.01	0.014	O	|	|	|	0.07
59.167	0.00	0.01	0.014	O	|	|	|	0.07
59.250	0.00	0.01	0.014	O	|	|	|	0.07
59.333	0.00	0.01	0.014	O	|	|	|	0.07
59.417	0.00	0.01	0.014	O	|	|	|	0.07
59.500	0.00	0.01	0.014	O	|	|	|	0.07
59.583	0.00	0.01	0.014	O	|	|	|	0.07
59.667	0.00	0.01	0.014	O	|	|	|	0.07
59.750	0.00	0.01	0.014	O	|	|	|	0.07
59.833	0.00	0.01	0.014	O	|	|	|	0.07
59.917	0.00	0.01	0.014	O	|	|	|	0.07
60.000	0.00	0.01	0.014	O	|	|	|	0.07
60.083	0.00	0.01	0.014	O	|	|	|	0.07
60.167	0.00	0.01	0.014	O	|	|	|	0.07
60.250	0.00	0.01	0.014	O	|	|	|	0.07
60.333	0.00	0.01	0.013	O	|	|	|	0.07
60.417	0.00	0.01	0.013	O	|	|	|	0.07
60.500	0.00	0.01	0.013	O	|	|	|	0.07
60.583	0.00	0.01	0.013	O	|	|	|	0.07
60.667	0.00	0.01	0.013	O	|	|	|	0.07
60.750	0.00	0.01	0.013	O	|	|	|	0.06
60.833	0.00	0.01	0.013	O	|	|	|	0.06
60.917	0.00	0.01	0.013	O	|	|	|	0.06
61.000	0.00	0.01	0.013	O	|	|	|	0.06
61.083	0.00	0.01	0.013	O	|	|	|	0.06
61.167	0.00	0.01	0.013	O	|	|	|	0.06
61.250	0.00	0.01	0.013	O	|	|	|	0.06
61.333	0.00	0.01	0.013	O	|	|	|	0.06
61.417	0.00	0.01	0.013	O	|	|	|	0.06
61.500	0.00	0.01	0.013	O	|	|	|	0.06
61.583	0.00	0.01	0.013	O	|	|	|	0.06
61.667	0.00	0.01	0.013	O	|	|	|	0.06
61.750	0.00	0.01	0.012	O	|	|	|	0.06
61.833	0.00	0.01	0.012	O	|	|	|	0.06
61.917	0.00	0.01	0.012	O	|	|	|	0.06
62.000	0.00	0.01	0.012	O	|	|	|	0.06
62.083	0.00	0.01	0.012	O	|	|	|	0.06
62.167	0.00	0.01	0.012	O	|	|	|	0.06
62.250	0.00	0.01	0.012	O	|	|	|	0.06
62.333	0.00	0.01	0.012	O	|	|	|	0.06
62.417	0.00	0.01	0.012	O	|	|	|	0.06
62.500	0.00	0.01	0.012	O	|	|	|	0.06
62.583	0.00	0.01	0.012	O	|	|	|	0.06
62.667	0.00	0.01	0.012	O	|	|	|	0.06
62.750	0.00	0.01	0.012	O	|	|	|	0.06
62.833	0.00	0.01	0.012	O	|	|	|	0.06
62.917	0.00	0.01	0.012	O	|	|	|	0.06
63.000	0.00	0.01	0.012	O	|	|	|	0.06
63.083	0.00	0.01	0.012	O	|	|	|	0.06
63.167	0.00	0.01	0.012	O	|	|	|	0.06
63.250	0.00	0.01	0.012	O	|	|	|	0.06
63.333	0.00	0.01	0.011	O	|	|	|	0.06

63.417	0.00	0.01	0.011	O	|	|	|	0.06
63.500	0.00	0.01	0.011	O	|	|	|	0.06
63.583	0.00	0.01	0.011	O	|	|	|	0.06
63.667	0.00	0.01	0.011	O	|	|	|	0.06
63.750	0.00	0.01	0.011	O	|	|	|	0.06
63.833	0.00	0.01	0.011	O	|	|	|	0.06
63.917	0.00	0.01	0.011	O	|	|	|	0.05
64.000	0.00	0.01	0.011	O	|	|	|	0.05
64.083	0.00	0.01	0.011	O	|	|	|	0.05
64.167	0.00	0.01	0.011	O	|	|	|	0.05
64.250	0.00	0.01	0.011	O	|	|	|	0.05
64.333	0.00	0.01	0.011	O	|	|	|	0.05
64.417	0.00	0.01	0.011	O	|	|	|	0.05
64.500	0.00	0.01	0.011	O	|	|	|	0.05
64.583	0.00	0.01	0.011	O	|	|	|	0.05
64.667	0.00	0.01	0.011	O	|	|	|	0.05
64.750	0.00	0.01	0.011	O	|	|	|	0.05
64.833	0.00	0.01	0.011	O	|	|	|	0.05
64.917	0.00	0.01	0.011	O	|	|	|	0.05
65.000	0.00	0.01	0.011	O	|	|	|	0.05
65.083	0.00	0.01	0.010	O	|	|	|	0.05
65.167	0.00	0.01	0.010	O	|	|	|	0.05
65.250	0.00	0.01	0.010	O	|	|	|	0.05
65.333	0.00	0.01	0.010	O	|	|	|	0.05
65.417	0.00	0.01	0.010	O	|	|	|	0.05
65.500	0.00	0.01	0.010	O	|	|	|	0.05
65.583	0.00	0.01	0.010	O	|	|	|	0.05
65.667	0.00	0.01	0.010	O	|	|	|	0.05
65.750	0.00	0.01	0.010	O	|	|	|	0.05
65.833	0.00	0.01	0.010	O	|	|	|	0.05
65.917	0.00	0.01	0.010	O	|	|	|	0.05
66.000	0.00	0.01	0.010	O	|	|	|	0.05
66.083	0.00	0.01	0.010	O	|	|	|	0.05
66.167	0.00	0.01	0.010	O	|	|	|	0.05
66.250	0.00	0.01	0.010	O	|	|	|	0.05
66.333	0.00	0.01	0.010	O	|	|	|	0.05
66.417	0.00	0.01	0.010	O	|	|	|	0.05
66.500	0.00	0.01	0.010	O	|	|	|	0.05
66.583	0.00	0.01	0.010	O	|	|	|	0.05
66.667	0.00	0.01	0.010	O	|	|	|	0.05
66.750	0.00	0.01	0.010	O	|	|	|	0.05
66.833	0.00	0.01	0.010	O	|	|	|	0.05
66.917	0.00	0.01	0.009	O	|	|	|	0.05
67.000	0.00	0.01	0.009	O	|	|	|	0.05
67.083	0.00	0.01	0.009	O	|	|	|	0.05
67.167	0.00	0.01	0.009	O	|	|	|	0.05
67.250	0.00	0.01	0.009	O	|	|	|	0.05
67.333	0.00	0.01	0.009	O	|	|	|	0.05
67.417	0.00	0.01	0.009	O	|	|	|	0.05
67.500	0.00	0.01	0.009	O	|	|	|	0.05
67.583	0.00	0.01	0.009	O	|	|	|	0.05
67.667	0.00	0.01	0.009	O	|	|	|	0.04

67.750	0.00	0.01	0.009	O	|	|	|	0.04
67.833	0.00	0.01	0.009	O	|	|	|	0.04
67.917	0.00	0.01	0.009	O	|	|	|	0.04
68.000	0.00	0.01	0.009	O	|	|	|	0.04
68.083	0.00	0.01	0.009	O	|	|	|	0.04
68.167	0.00	0.01	0.009	O	|	|	|	0.04
68.250	0.00	0.01	0.009	O	|	|	|	0.04
68.333	0.00	0.01	0.009	O	|	|	|	0.04
68.417	0.00	0.01	0.009	O	|	|	|	0.04
68.500	0.00	0.01	0.009	O	|	|	|	0.04
68.583	0.00	0.01	0.009	O	|	|	|	0.04
68.667	0.00	0.01	0.009	O	|	|	|	0.04
68.750	0.00	0.01	0.009	O	|	|	|	0.04
68.833	0.00	0.01	0.009	O	|	|	|	0.04
68.917	0.00	0.01	0.009	O	|	|	|	0.04
69.000	0.00	0.01	0.008	O	|	|	|	0.04
69.083	0.00	0.01	0.008	O	|	|	|	0.04
69.167	0.00	0.01	0.008	O	|	|	|	0.04
69.250	0.00	0.01	0.008	O	|	|	|	0.04
69.333	0.00	0.01	0.008	O	|	|	|	0.04
69.417	0.00	0.01	0.008	O	|	|	|	0.04
69.500	0.00	0.01	0.008	O	|	|	|	0.04
69.583	0.00	0.01	0.008	O	|	|	|	0.04
69.667	0.00	0.01	0.008	O	|	|	|	0.04
69.750	0.00	0.01	0.008	O	|	|	|	0.04
69.833	0.00	0.01	0.008	O	|	|	|	0.04
69.917	0.00	0.01	0.008	O	|	|	|	0.04
70.000	0.00	0.01	0.008	O	|	|	|	0.04
70.083	0.00	0.01	0.008	O	|	|	|	0.04
70.167	0.00	0.01	0.008	O	|	|	|	0.04
70.250	0.00	0.01	0.008	O	|	|	|	0.04
70.333	0.00	0.01	0.008	O	|	|	|	0.04
70.417	0.00	0.01	0.008	O	|	|	|	0.04
70.500	0.00	0.01	0.008	O	|	|	|	0.04
70.583	0.00	0.01	0.008	O	|	|	|	0.04
70.667	0.00	0.00	0.008	O	|	|	|	0.04
70.750	0.00	0.00	0.008	O	|	|	|	0.04
70.833	0.00	0.00	0.008	O	|	|	|	0.04
70.917	0.00	0.00	0.008	O	|	|	|	0.04
71.000	0.00	0.00	0.008	O	|	|	|	0.04
71.083	0.00	0.00	0.008	O	|	|	|	0.04
71.167	0.00	0.00	0.008	O	|	|	|	0.04
71.250	0.00	0.00	0.008	O	|	|	|	0.04
71.333	0.00	0.00	0.008	O	|	|	|	0.04
71.417	0.00	0.00	0.007	O	|	|	|	0.04
71.500	0.00	0.00	0.007	O	|	|	|	0.04
71.583	0.00	0.00	0.007	O	|	|	|	0.04
71.667	0.00	0.00	0.007	O	|	|	|	0.04
71.750	0.00	0.00	0.007	O	|	|	|	0.04
71.833	0.00	0.00	0.007	O	|	|	|	0.04
71.917	0.00	0.00	0.007	O	|	|	|	0.04
72.000	0.00	0.00	0.007	O	|	|	|	0.04

72.083	0.00	0.00	0.007	O	|	|	|	0.04
72.167	0.00	0.00	0.007	O	|	|	|	0.04
72.250	0.00	0.00	0.007	O	|	|	|	0.04
72.333	0.00	0.00	0.007	O	|	|	|	0.04
72.417	0.00	0.00	0.007	O	|	|	|	0.03
72.500	0.00	0.00	0.007	O	|	|	|	0.03
72.583	0.00	0.00	0.007	O	|	|	|	0.03
72.667	0.00	0.00	0.007	O	|	|	|	0.03
72.750	0.00	0.00	0.007	O	|	|	|	0.03
72.833	0.00	0.00	0.007	O	|	|	|	0.03
72.917	0.00	0.00	0.007	O	|	|	|	0.03
73.000	0.00	0.00	0.007	O	|	|	|	0.03
73.083	0.00	0.00	0.007	O	|	|	|	0.03
73.167	0.00	0.00	0.007	O	|	|	|	0.03
73.250	0.00	0.00	0.007	O	|	|	|	0.03
73.333	0.00	0.00	0.007	O	|	|	|	0.03
73.417	0.00	0.00	0.007	O	|	|	|	0.03
73.500	0.00	0.00	0.007	O	|	|	|	0.03
73.583	0.00	0.00	0.007	O	|	|	|	0.03
73.667	0.00	0.00	0.007	O	|	|	|	0.03
73.750	0.00	0.00	0.007	O	|	|	|	0.03
73.833	0.00	0.00	0.007	O	|	|	|	0.03
73.917	0.00	0.00	0.007	O	|	|	|	0.03
74.000	0.00	0.00	0.007	O	|	|	|	0.03
74.083	0.00	0.00	0.006	O	|	|	|	0.03
74.167	0.00	0.00	0.006	O	|	|	|	0.03
74.250	0.00	0.00	0.006	O	|	|	|	0.03
74.333	0.00	0.00	0.006	O	|	|	|	0.03
74.417	0.00	0.00	0.006	O	|	|	|	0.03
74.500	0.00	0.00	0.006	O	|	|	|	0.03
74.583	0.00	0.00	0.006	O	|	|	|	0.03
74.667	0.00	0.00	0.006	O	|	|	|	0.03
74.750	0.00	0.00	0.006	O	|	|	|	0.03
74.833	0.00	0.00	0.006	O	|	|	|	0.03
74.917	0.00	0.00	0.006	O	|	|	|	0.03
75.000	0.00	0.00	0.006	O	|	|	|	0.03
75.083	0.00	0.00	0.006	O	|	|	|	0.03
75.167	0.00	0.00	0.006	O	|	|	|	0.03
75.250	0.00	0.00	0.006	O	|	|	|	0.03
75.333	0.00	0.00	0.006	O	|	|	|	0.03
75.417	0.00	0.00	0.006	O	|	|	|	0.03
75.500	0.00	0.00	0.006	O	|	|	|	0.03
75.583	0.00	0.00	0.006	O	|	|	|	0.03
75.667	0.00	0.00	0.006	O	|	|	|	0.03
75.750	0.00	0.00	0.006	O	|	|	|	0.03
75.833	0.00	0.00	0.006	O	|	|	|	0.03
75.917	0.00	0.00	0.006	O	|	|	|	0.03
76.000	0.00	0.00	0.006	O	|	|	|	0.03
76.083	0.00	0.00	0.006	O	|	|	|	0.03
76.167	0.00	0.00	0.006	O	|	|	|	0.03
76.250	0.00	0.00	0.006	O	|	|	|	0.03
76.333	0.00	0.00	0.006	O	|	|	|	0.03

76.417	0.00	0.00	0.006	O	|	|	|	0.03
76.500	0.00	0.00	0.006	O	|	|	|	0.03
76.583	0.00	0.00	0.006	O	|	|	|	0.03
76.667	0.00	0.00	0.006	O	|	|	|	0.03
76.750	0.00	0.00	0.006	O	|	|	|	0.03
76.833	0.00	0.00	0.006	O	|	|	|	0.03
76.917	0.00	0.00	0.006	O	|	|	|	0.03
77.000	0.00	0.00	0.006	O	|	|	|	0.03
77.083	0.00	0.00	0.006	O	|	|	|	0.03
77.167	0.00	0.00	0.006	O	|	|	|	0.03
77.250	0.00	0.00	0.005	O	|	|	|	0.03
77.333	0.00	0.00	0.005	O	|	|	|	0.03
77.417	0.00	0.00	0.005	O	|	|	|	0.03
77.500	0.00	0.00	0.005	O	|	|	|	0.03
77.583	0.00	0.00	0.005	O	|	|	|	0.03
77.667	0.00	0.00	0.005	O	|	|	|	0.03
77.750	0.00	0.00	0.005	O	|	|	|	0.03
77.833	0.00	0.00	0.005	O	|	|	|	0.03
77.917	0.00	0.00	0.005	O	|	|	|	0.03
78.000	0.00	0.00	0.005	O	|	|	|	0.03
78.083	0.00	0.00	0.005	O	|	|	|	0.03
78.167	0.00	0.00	0.005	O	|	|	|	0.03
78.250	0.00	0.00	0.005	O	|	|	|	0.03
78.333	0.00	0.00	0.005	O	|	|	|	0.03
78.417	0.00	0.00	0.005	O	|	|	|	0.03
78.500	0.00	0.00	0.005	O	|	|	|	0.03
78.583	0.00	0.00	0.005	O	|	|	|	0.03
78.667	0.00	0.00	0.005	O	|	|	|	0.03
78.750	0.00	0.00	0.005	O	|	|	|	0.02
78.833	0.00	0.00	0.005	O	|	|	|	0.02
78.917	0.00	0.00	0.005	O	|	|	|	0.02
79.000	0.00	0.00	0.005	O	|	|	|	0.02
79.083	0.00	0.00	0.005	O	|	|	|	0.02
79.167	0.00	0.00	0.005	O	|	|	|	0.02
79.250	0.00	0.00	0.005	O	|	|	|	0.02
79.333	0.00	0.00	0.005	O	|	|	|	0.02
79.417	0.00	0.00	0.005	O	|	|	|	0.02
79.500	0.00	0.00	0.005	O	|	|	|	0.02
79.583	0.00	0.00	0.005	O	|	|	|	0.02
79.667	0.00	0.00	0.005	O	|	|	|	0.02
79.750	0.00	0.00	0.005	O	|	|	|	0.02
79.833	0.00	0.00	0.005	O	|	|	|	0.02
79.917	0.00	0.00	0.005	O	|	|	|	0.02
80.000	0.00	0.00	0.005	O	|	|	|	0.02
80.083	0.00	0.00	0.005	O	|	|	|	0.02
80.167	0.00	0.00	0.005	O	|	|	|	0.02
80.250	0.00	0.00	0.005	O	|	|	|	0.02
80.333	0.00	0.00	0.005	O	|	|	|	0.02
80.417	0.00	0.00	0.005	O	|	|	|	0.02
80.500	0.00	0.00	0.005	O	|	|	|	0.02
80.583	0.00	0.00	0.005	O	|	|	|	0.02
80.667	0.00	0.00	0.005	O	|	|	|	0.02

80.750	0.00	0.00	0.005	O	|	|	|	|	0.02
80.833	0.00	0.00	0.005	O	|	|	|	|	0.02
80.917	0.00	0.00	0.005	O	|	|	|	|	0.02
81.000	0.00	0.00	0.005	O	|	|	|	|	0.02
81.083	0.00	0.00	0.004	O	|	|	|	|	0.02
81.167	0.00	0.00	0.004	O	|	|	|	|	0.02
81.250	0.00	0.00	0.004	O	|	|	|	|	0.02
81.333	0.00	0.00	0.004	O	|	|	|	|	0.02
81.417	0.00	0.00	0.004	O	|	|	|	|	0.02
81.500	0.00	0.00	0.004	O	|	|	|	|	0.02
81.583	0.00	0.00	0.004	O	|	|	|	|	0.02
81.667	0.00	0.00	0.004	O	|	|	|	|	0.02
81.750	0.00	0.00	0.004	O	|	|	|	|	0.02
81.833	0.00	0.00	0.004	O	|	|	|	|	0.02
81.917	0.00	0.00	0.004	O	|	|	|	|	0.02
82.000	0.00	0.00	0.004	O	|	|	|	|	0.02
82.083	0.00	0.00	0.004	O	|	|	|	|	0.02
82.167	0.00	0.00	0.004	O	|	|	|	|	0.02
82.250	0.00	0.00	0.004	O	|	|	|	|	0.02
82.333	0.00	0.00	0.004	O	|	|	|	|	0.02
82.417	0.00	0.00	0.004	O	|	|	|	|	0.02
82.500	0.00	0.00	0.004	O	|	|	|	|	0.02
82.583	0.00	0.00	0.004	O	|	|	|	|	0.02
82.667	0.00	0.00	0.004	O	|	|	|	|	0.02
82.750	0.00	0.00	0.004	O	|	|	|	|	0.02
82.833	0.00	0.00	0.004	O	|	|	|	|	0.02
82.917	0.00	0.00	0.004	O	|	|	|	|	0.02
83.000	0.00	0.00	0.004	O	|	|	|	|	0.02
83.083	0.00	0.00	0.004	O	|	|	|	|	0.02
83.167	0.00	0.00	0.004	O	|	|	|	|	0.02
83.250	0.00	0.00	0.004	O	|	|	|	|	0.02
83.333	0.00	0.00	0.004	O	|	|	|	|	0.02
83.417	0.00	0.00	0.004	O	|	|	|	|	0.02
83.500	0.00	0.00	0.004	O	|	|	|	|	0.02
83.583	0.00	0.00	0.004	O	|	|	|	|	0.02
83.667	0.00	0.00	0.004	O	|	|	|	|	0.02
83.750	0.00	0.00	0.004	O	|	|	|	|	0.02
83.833	0.00	0.00	0.004	O	|	|	|	|	0.02
83.917	0.00	0.00	0.004	O	|	|	|	|	0.02
84.000	0.00	0.00	0.004	O	|	|	|	|	0.02
84.083	0.00	0.00	0.004	O	|	|	|	|	0.02
84.167	0.00	0.00	0.004	O	|	|	|	|	0.02
84.250	0.00	0.00	0.004	O	|	|	|	|	0.02
84.333	0.00	0.00	0.004	O	|	|	|	|	0.02
84.417	0.00	0.00	0.004	O	|	|	|	|	0.02
84.500	0.00	0.00	0.004	O	|	|	|	|	0.02
84.583	0.00	0.00	0.004	O	|	|	|	|	0.02
84.667	0.00	0.00	0.004	O	|	|	|	|	0.02
84.750	0.00	0.00	0.004	O	|	|	|	|	0.02
84.833	0.00	0.00	0.004	O	|	|	|	|	0.02
84.917	0.00	0.00	0.004	O	|	|	|	|	0.02
85.000	0.00	0.00	0.004	O	|	|	|	|	0.02

85.083	0.00	0.00	0.004	O	|	|	|	|	0.02
85.167	0.00	0.00	0.004	O	|	|	|	|	0.02
85.250	0.00	0.00	0.004	O	|	|	|	|	0.02
85.333	0.00	0.00	0.004	O	|	|	|	|	0.02
85.417	0.00	0.00	0.004	O	|	|	|	|	0.02
85.500	0.00	0.00	0.004	O	|	|	|	|	0.02
85.583	0.00	0.00	0.004	O	|	|	|	|	0.02
85.667	0.00	0.00	0.004	O	|	|	|	|	0.02
85.750	0.00	0.00	0.004	O	|	|	|	|	0.02
85.833	0.00	0.00	0.003	O	|	|	|	|	0.02
85.917	0.00	0.00	0.003	O	|	|	|	|	0.02
86.000	0.00	0.00	0.003	O	|	|	|	|	0.02
86.083	0.00	0.00	0.003	O	|	|	|	|	0.02
86.167	0.00	0.00	0.003	O	|	|	|	|	0.02
86.250	0.00	0.00	0.003	O	|	|	|	|	0.02
86.333	0.00	0.00	0.003	O	|	|	|	|	0.02
86.417	0.00	0.00	0.003	O	|	|	|	|	0.02
86.500	0.00	0.00	0.003	O	|	|	|	|	0.02
86.583	0.00	0.00	0.003	O	|	|	|	|	0.02
86.667	0.00	0.00	0.003	O	|	|	|	|	0.02
86.750	0.00	0.00	0.003	O	|	|	|	|	0.02
86.833	0.00	0.00	0.003	O	|	|	|	|	0.02
86.917	0.00	0.00	0.003	O	|	|	|	|	0.02
87.000	0.00	0.00	0.003	O	|	|	|	|	0.02
87.083	0.00	0.00	0.003	O	|	|	|	|	0.02
87.167	0.00	0.00	0.003	O	|	|	|	|	0.02
87.250	0.00	0.00	0.003	O	|	|	|	|	0.02
87.333	0.00	0.00	0.003	O	|	|	|	|	0.02
87.417	0.00	0.00	0.003	O	|	|	|	|	0.02
87.500	0.00	0.00	0.003	O	|	|	|	|	0.02
87.583	0.00	0.00	0.003	O	|	|	|	|	0.02
87.667	0.00	0.00	0.003	O	|	|	|	|	0.02
87.750	0.00	0.00	0.003	O	|	|	|	|	0.02
87.833	0.00	0.00	0.003	O	|	|	|	|	0.02
87.917	0.00	0.00	0.003	O	|	|	|	|	0.02
88.000	0.00	0.00	0.003	O	|	|	|	|	0.02
88.083	0.00	0.00	0.003	O	|	|	|	|	0.02
88.167	0.00	0.00	0.003	O	|	|	|	|	0.02
88.250	0.00	0.00	0.003	O	|	|	|	|	0.02
88.333	0.00	0.00	0.003	O	|	|	|	|	0.02
88.417	0.00	0.00	0.003	O	|	|	|	|	0.01
88.500	0.00	0.00	0.003	O	|	|	|	|	0.01
88.583	0.00	0.00	0.003	O	|	|	|	|	0.01
88.667	0.00	0.00	0.003	O	|	|	|	|	0.01
88.750	0.00	0.00	0.003	O	|	|	|	|	0.01
88.833	0.00	0.00	0.003	O	|	|	|	|	0.01
88.917	0.00	0.00	0.003	O	|	|	|	|	0.01
89.000	0.00	0.00	0.003	O	|	|	|	|	0.01
89.083	0.00	0.00	0.003	O	|	|	|	|	0.01
89.167	0.00	0.00	0.003	O	|	|	|	|	0.01
89.250	0.00	0.00	0.003	O	|	|	|	|	0.01
89.333	0.00	0.00	0.003	O	|	|	|	|	0.01

89.417	0.00	0.00	0.003	O	|	|	|	|	0.01
89.500	0.00	0.00	0.003	O	|	|	|	|	0.01
89.583	0.00	0.00	0.003	O	|	|	|	|	0.01
89.667	0.00	0.00	0.003	O	|	|	|	|	0.01
89.750	0.00	0.00	0.003	O	|	|	|	|	0.01
89.833	0.00	0.00	0.003	O	|	|	|	|	0.01
89.917	0.00	0.00	0.003	O	|	|	|	|	0.01
90.000	0.00	0.00	0.003	O	|	|	|	|	0.01
90.083	0.00	0.00	0.003	O	|	|	|	|	0.01
90.167	0.00	0.00	0.003	O	|	|	|	|	0.01
90.250	0.00	0.00	0.003	O	|	|	|	|	0.01
90.333	0.00	0.00	0.003	O	|	|	|	|	0.01
90.417	0.00	0.00	0.003	O	|	|	|	|	0.01
90.500	0.00	0.00	0.003	O	|	|	|	|	0.01
90.583	0.00	0.00	0.003	O	|	|	|	|	0.01
90.667	0.00	0.00	0.003	O	|	|	|	|	0.01
90.750	0.00	0.00	0.003	O	|	|	|	|	0.01
90.833	0.00	0.00	0.003	O	|	|	|	|	0.01
90.917	0.00	0.00	0.003	O	|	|	|	|	0.01
91.000	0.00	0.00	0.003	O	|	|	|	|	0.01
91.083	0.00	0.00	0.003	O	|	|	|	|	0.01
91.167	0.00	0.00	0.003	O	|	|	|	|	0.01
91.250	0.00	0.00	0.003	O	|	|	|	|	0.01
91.333	0.00	0.00	0.003	O	|	|	|	|	0.01
91.417	0.00	0.00	0.003	O	|	|	|	|	0.01
91.500	0.00	0.00	0.003	O	|	|	|	|	0.01
91.583	0.00	0.00	0.003	O	|	|	|	|	0.01
91.667	0.00	0.00	0.003	O	|	|	|	|	0.01
91.750	0.00	0.00	0.003	O	|	|	|	|	0.01
91.833	0.00	0.00	0.003	O	|	|	|	|	0.01
91.917	0.00	0.00	0.003	O	|	|	|	|	0.01
92.000	0.00	0.00	0.003	O	|	|	|	|	0.01
92.083	0.00	0.00	0.003	O	|	|	|	|	0.01
92.167	0.00	0.00	0.002	O	|	|	|	|	0.01
92.250	0.00	0.00	0.002	O	|	|	|	|	0.01
92.333	0.00	0.00	0.002	O	|	|	|	|	0.01
92.417	0.00	0.00	0.002	O	|	|	|	|	0.01
92.500	0.00	0.00	0.002	O	|	|	|	|	0.01
92.583	0.00	0.00	0.002	O	|	|	|	|	0.01
92.667	0.00	0.00	0.002	O	|	|	|	|	0.01
92.750	0.00	0.00	0.002	O	|	|	|	|	0.01
92.833	0.00	0.00	0.002	O	|	|	|	|	0.01
92.917	0.00	0.00	0.002	O	|	|	|	|	0.01
93.000	0.00	0.00	0.002	O	|	|	|	|	0.01
93.083	0.00	0.00	0.002	O	|	|	|	|	0.01
93.167	0.00	0.00	0.002	O	|	|	|	|	0.01
93.250	0.00	0.00	0.002	O	|	|	|	|	0.01
93.333	0.00	0.00	0.002	O	|	|	|	|	0.01
93.417	0.00	0.00	0.002	O	|	|	|	|	0.01
93.500	0.00	0.00	0.002	O	|	|	|	|	0.01
93.583	0.00	0.00	0.002	O	|	|	|	|	0.01
93.667	0.00	0.00	0.002	O	|	|	|	|	0.01

93.750	0.00	0.00	0.002	O	|	|	|	0.01
93.833	0.00	0.00	0.002	O	|	|	|	0.01
93.917	0.00	0.00	0.002	O	|	|	|	0.01
94.000	0.00	0.00	0.002	O	|	|	|	0.01
94.083	0.00	0.00	0.002	O	|	|	|	0.01
94.167	0.00	0.00	0.002	O	|	|	|	0.01
94.250	0.00	0.00	0.002	O	|	|	|	0.01
94.333	0.00	0.00	0.002	O	|	|	|	0.01
94.417	0.00	0.00	0.002	O	|	|	|	0.01
94.500	0.00	0.00	0.002	O	|	|	|	0.01
94.583	0.00	0.00	0.002	O	|	|	|	0.01
94.667	0.00	0.00	0.002	O	|	|	|	0.01
94.750	0.00	0.00	0.002	O	|	|	|	0.01
94.833	0.00	0.00	0.002	O	|	|	|	0.01
94.917	0.00	0.00	0.002	O	|	|	|	0.01
95.000	0.00	0.00	0.002	O	|	|	|	0.01
95.083	0.00	0.00	0.002	O	|	|	|	0.01
95.167	0.00	0.00	0.002	O	|	|	|	0.01
95.250	0.00	0.00	0.002	O	|	|	|	0.01
95.333	0.00	0.00	0.002	O	|	|	|	0.01
95.417	0.00	0.00	0.002	O	|	|	|	0.01
95.500	0.00	0.00	0.002	O	|	|	|	0.01
95.583	0.00	0.00	0.002	O	|	|	|	0.01
95.667	0.00	0.00	0.002	O	|	|	|	0.01
95.750	0.00	0.00	0.002	O	|	|	|	0.01
95.833	0.00	0.00	0.002	O	|	|	|	0.01
95.917	0.00	0.00	0.002	O	|	|	|	0.01
96.000	0.00	0.00	0.002	O	|	|	|	0.01
96.083	0.00	0.00	0.002	O	|	|	|	0.01
96.167	0.00	0.00	0.002	O	|	|	|	0.01
96.250	0.00	0.00	0.002	O	|	|	|	0.01
96.333	0.00	0.00	0.002	O	|	|	|	0.01
96.417	0.00	0.00	0.002	O	|	|	|	0.01
96.500	0.00	0.00	0.002	O	|	|	|	0.01
96.583	0.00	0.00	0.002	O	|	|	|	0.01
96.667	0.00	0.00	0.002	O	|	|	|	0.01
96.750	0.00	0.00	0.002	O	|	|	|	0.01
96.833	0.00	0.00	0.002	O	|	|	|	0.01
96.917	0.00	0.00	0.002	O	|	|	|	0.01
97.000	0.00	0.00	0.002	O	|	|	|	0.01
97.083	0.00	0.00	0.002	O	|	|	|	0.01
97.167	0.00	0.00	0.002	O	|	|	|	0.01
97.250	0.00	0.00	0.002	O	|	|	|	0.01
97.333	0.00	0.00	0.002	O	|	|	|	0.01
97.417	0.00	0.00	0.002	O	|	|	|	0.01
97.500	0.00	0.00	0.002	O	|	|	|	0.01
97.583	0.00	0.00	0.002	O	|	|	|	0.01
97.667	0.00	0.00	0.002	O	|	|	|	0.01
97.750	0.00	0.00	0.002	O	|	|	|	0.01
97.833	0.00	0.00	0.002	O	|	|	|	0.01
97.917	0.00	0.00	0.002	O	|	|	|	0.01
98.000	0.00	0.00	0.002	O	|	|	|	0.01

98.083	0.00	0.00	0.002	O	|	|	|	|	0.01
98.167	0.00	0.00	0.002	O	|	|	|	|	0.01
98.250	0.00	0.00	0.002	O	|	|	|	|	0.01
98.333	0.00	0.00	0.002	O	|	|	|	|	0.01
98.417	0.00	0.00	0.002	O	|	|	|	|	0.01
98.500	0.00	0.00	0.002	O	|	|	|	|	0.01
98.583	0.00	0.00	0.002	O	|	|	|	|	0.01
98.667	0.00	0.00	0.002	O	|	|	|	|	0.01
98.750	0.00	0.00	0.002	O	|	|	|	|	0.01
98.833	0.00	0.00	0.002	O	|	|	|	|	0.01
98.917	0.00	0.00	0.002	O	|	|	|	|	0.01
99.000	0.00	0.00	0.002	O	|	|	|	|	0.01
99.083	0.00	0.00	0.002	O	|	|	|	|	0.01
99.167	0.00	0.00	0.002	O	|	|	|	|	0.01
99.250	0.00	0.00	0.002	O	|	|	|	|	0.01
99.333	0.00	0.00	0.002	O	|	|	|	|	0.01
99.417	0.00	0.00	0.002	O	|	|	|	|	0.01
99.500	0.00	0.00	0.002	O	|	|	|	|	0.01
99.583	0.00	0.00	0.002	O	|	|	|	|	0.01
99.667	0.00	0.00	0.002	O	|	|	|	|	0.01
99.750	0.00	0.00	0.002	O	|	|	|	|	0.01
99.833	0.00	0.00	0.002	O	|	|	|	|	0.01
99.917	0.00	0.00	0.002	O	|	|	|	|	0.01
100.000	0.00	0.00	0.002	O	|	|	|	|	0.01
100.083	0.00	0.00	0.002	O	|	|	|	|	0.01
100.167	0.00	0.00	0.002	O	|	|	|	|	0.01
100.250	0.00	0.00	0.002	O	|	|	|	|	0.01
100.333	0.00	0.00	0.002	O	|	|	|	|	0.01
100.417	0.00	0.00	0.002	O	|	|	|	|	0.01
100.500	0.00	0.00	0.002	O	|	|	|	|	0.01
100.583	0.00	0.00	0.002	O	|	|	|	|	0.01
100.667	0.00	0.00	0.002	O	|	|	|	|	0.01
100.750	0.00	0.00	0.002	O	|	|	|	|	0.01
100.833	0.00	0.00	0.002	O	|	|	|	|	0.01
100.917	0.00	0.00	0.002	O	|	|	|	|	0.01
101.000	0.00	0.00	0.002	O	|	|	|	|	0.01
101.083	0.00	0.00	0.002	O	|	|	|	|	0.01

**********HYDROGRAPH DATA**********

Number of intervals = 1213
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 4.615 (CFS)
Total volume = 0.872 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2022
Study date: 09/12/23

ACACIA POINTE
BASIN ROUTING ANALYSIS
INFILTRATION BASIN "A"
100-YEAR, 3-HOUR

Program License Serial Number 6545

********** HYDROGRAPH INFORMATION **********

From study/file name: ADEV3100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 40
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 11.374 (CFS)
Total volume = 0.926 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****
_____

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 40
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 1.10(Ft.)

Initial basin depth = 1.10 (Ft.)
Initial basin storage = 0.23 (Ac.Ft)
Initial basin outflow = 0.23 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.203	0.130	0.203	0.203
2.000	0.457	1.140	0.453	0.461
3.000	0.763	5.180	0.745	0.781
4.000	1.123	20.390	1.053	1.193
5.000	1.541	41.860	1.397	1.685
6.000	2.019	68.080	1.785	2.253
7.000	2.556	98.300	2.218	2.894

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 2.8 5.69 8.53 11.37	Depth (Ft.)
0.083	0.53	0.23	0.228	OI | | | | |	1.10
0.167	1.14	0.25	0.232	O I | | | | |	1.11
0.250	1.19	0.27	0.238	O I | | | | |	1.14
0.333	1.33	0.30	0.245	O I | | | | |	1.17
0.417	1.54	0.33	0.253	O I | | | | |	1.20
0.500	1.77	0.36	0.262	|O I | | | |	1.23
0.583	1.81	0.40	0.271	|O I | | | |	1.27
0.667	1.84	0.44	0.281	|O I | | | |	1.31
0.750	2.03	0.48	0.291	|O I | | | |	1.35
0.833	1.87	0.52	0.301	|O I | | | |	1.39
0.917	1.73	0.55	0.310	|O I | | | |	1.42
1.000	1.89	0.59	0.318	|O I | | | |	1.45
1.083	2.30	0.63	0.329	|O I | | | |	1.49
1.167	2.63	0.68	0.341	|O I| | | |	1.54
1.250	2.71	0.73	0.355	| O I| | | |	1.60
1.333	2.61	0.78	0.368	| O I| | | |	1.65
1.417	2.86	0.84	0.381	| O I | | |	1.70
1.500	3.34	0.90	0.396	| O |I | | |	1.76
1.583	3.31	0.96	0.413	| O |I | | |	1.83
1.667	3.33	1.03	0.429	| O |I | | |	1.89
1.750	3.92	1.10	0.446	| O | I | | |	1.96
1.833	4.27	1.27	0.466	| O | I | | |	2.03
1.917	4.09	1.52	0.486	| O | I | | |	2.09
2.000	4.03	1.74	0.502	| O | I | | |	2.15
2.083	4.14	1.94	0.518	| O | I | | |	2.20
2.167	4.93	2.17	0.535	| O | I | | |	2.25
2.250	6.29	2.47	0.558	| O | |I | |	2.33
2.333	6.09	2.79	0.582	| O| |I | |	2.41
2.417	7.33	3.13	0.608	| O | I | |	2.49
2.500	9.96	3.61	0.644	| | O | | I |	2.61
2.583	11.37	4.23	0.691	| | O | | I	2.76
2.667	10.79	4.82	0.736	| | O | | I |	2.91

```
2.750    6.83    5.17      0.762  |        |     O |  I    |        |      3.00
2.833    3.50    5.17      0.762  |        |I    O |       |        |      3.00
2.917    2.60    4.98      0.748  |      I |     O |       |        |      2.95
3.000    1.66    4.74      0.729  |   I    |    O  |       |        |      2.89
3.083    0.62    4.42      0.706  |I       |   O   |       |        |      2.81
3.167    0.19    4.07      0.679  I        |  O    |       |        |      2.73
3.250    0.07    3.73      0.653  I        | O     |       |        |      2.64
3.333    0.01    3.41      0.629  I        |O      |       |        |      2.56
3.417    0.00    3.11      0.606  I       O       |       |        |      2.49
3.500    0.00    2.84      0.586  I      O|       |       |        |      2.42
3.583    0.00    2.60      0.567  I      O|       |       |        |      2.36
3.667    0.00    2.37      0.550  I     O |       |       |        |      2.30
3.750    0.00    2.16      0.535  I     O |       |       |        |      2.25
3.833    0.00    1.98      0.520  I    O  |       |       |        |      2.21
3.917    0.00    1.80      0.507  I    O  |       |       |        |      2.16
4.000    0.00    1.65      0.495  I   O   |       |       |        |      2.13
4.083    0.00    1.50      0.485  I   O   |       |       |        |      2.09
4.167    0.00    1.37      0.475  I  O    |       |       |        |      2.06
4.250    0.00    1.25      0.466  I  O    |       |       |        |      2.03
4.333    0.00    1.14      0.457  I  O    |       |       |        |      2.00
4.417    0.00    1.11      0.450  I  O    |       |       |        |      1.97
4.500    0.00    1.08      0.442  I  O    |       |       |        |      1.94
4.583    0.00    1.05      0.435  I O     |       |       |        |      1.91
4.667    0.00    1.02      0.428  I O     |       |       |        |      1.88
4.750    0.00    1.00      0.421  I O     |       |       |        |      1.86
4.833    0.00    0.97      0.414  I O     |       |       |        |      1.83
4.917    0.00    0.94      0.407  I O     |       |       |        |      1.80
5.000    0.00    0.92      0.401  I O     |       |       |        |      1.78
5.083    0.00    0.89      0.395  I O     |       |       |        |      1.75
5.167    0.00    0.87      0.389  I O     |       |       |        |      1.73
5.250    0.00    0.84      0.383  I O     |       |       |        |      1.71
5.333    0.00    0.82      0.377  I O     |       |       |        |      1.68
5.417    0.00    0.80      0.371  I O     |       |       |        |      1.66
5.500    0.00    0.78      0.366  I O     |       |       |        |      1.64
5.583    0.00    0.76      0.361  I O     |       |       |        |      1.62
5.667    0.00    0.74      0.355  I O     |       |       |        |      1.60
5.750    0.00    0.72      0.350  I O     |       |       |        |      1.58
5.833    0.00    0.70      0.346  IO      |       |       |        |      1.56
5.917    0.00    0.68      0.341  IO      |       |       |        |      1.54
6.000    0.00    0.66      0.336  IO      |       |       |        |      1.52
6.083    0.00    0.64      0.332  IO      |       |       |        |      1.51
6.167    0.00    0.62      0.327  IO      |       |       |        |      1.49
6.250    0.00    0.61      0.323  IO      |       |       |        |      1.47
6.333    0.00    0.59      0.319  IO      |       |       |        |      1.46
6.417    0.00    0.58      0.315  IO      |       |       |        |      1.44
6.500    0.00    0.56      0.311  IO      |       |       |        |      1.43
6.583    0.00    0.54      0.307  IO      |       |       |        |      1.41
6.667    0.00    0.53      0.304  IO      |       |       |        |      1.40
6.750    0.00    0.52      0.300  IO      |       |       |        |      1.38
6.833    0.00    0.50      0.297  IO      |       |       |        |      1.37
6.917    0.00    0.49      0.293  IO      |       |       |        |      1.35
7.000    0.00    0.48      0.290  IO      |       |       |        |      1.34
```

7.083	0.00	0.46	0.287	IO				1.33
7.167	0.00	0.45	0.283	IO				1.32
7.250	0.00	0.44	0.280	IO				1.30
7.333	0.00	0.43	0.277	IO				1.29
7.417	0.00	0.41	0.274	IO				1.28
7.500	0.00	0.40	0.272	IO				1.27
7.583	0.00	0.39	0.269	IO				1.26
7.667	0.00	0.38	0.266	IO				1.25
7.750	0.00	0.37	0.264	IO				1.24
7.833	0.00	0.36	0.261	IO				1.23
7.917	0.00	0.35	0.259	O				1.22
8.000	0.00	0.34	0.256	O				1.21
8.083	0.00	0.33	0.254	O				1.20
8.167	0.00	0.32	0.252	O				1.19
8.250	0.00	0.32	0.250	O				1.18
8.333	0.00	0.31	0.247	O				1.17
8.417	0.00	0.30	0.245	O				1.17
8.500	0.00	0.29	0.243	O				1.16
8.583	0.00	0.28	0.241	O				1.15
8.667	0.00	0.27	0.239	O				1.14
8.750	0.00	0.27	0.238	O				1.14
8.833	0.00	0.26	0.236	O				1.13
8.917	0.00	0.25	0.234	O				1.12
9.000	0.00	0.25	0.232	O				1.12
9.083	0.00	0.24	0.231	O				1.11
9.167	0.00	0.23	0.229	O				1.10
9.250	0.00	0.23	0.227	O				1.10
9.333	0.00	0.22	0.226	O				1.09
9.417	0.00	0.21	0.224	O				1.08
9.500	0.00	0.21	0.223	O				1.08
9.583	0.00	0.20	0.221	O				1.07
9.667	0.00	0.20	0.220	O				1.07
9.750	0.00	0.19	0.219	O				1.06
9.833	0.00	0.19	0.217	O				1.06
9.917	0.00	0.18	0.216	O				1.05
10.000	0.00	0.18	0.215	O				1.05
10.083	0.00	0.17	0.214	O				1.04
10.167	0.00	0.17	0.213	O				1.04
10.250	0.00	0.16	0.211	O				1.03
10.333	0.00	0.16	0.210	O				1.03
10.417	0.00	0.15	0.209	O				1.02
10.500	0.00	0.15	0.208	O				1.02
10.583	0.00	0.15	0.207	O				1.02
10.667	0.00	0.14	0.206	O				1.01
10.750	0.00	0.14	0.205	O				1.01
10.833	0.00	0.13	0.204	O				1.00
10.917	0.00	0.13	0.203	O				1.00
11.000	0.00	0.13	0.202	O				1.00
11.083	0.00	0.13	0.201	O				0.99
11.167	0.00	0.13	0.201	O				0.99
11.250	0.00	0.13	0.200	O				0.98
11.333	0.00	0.13	0.199	O				0.98

11.417	0.00	0.13	0.198	O	|	|	|	0.98
11.500	0.00	0.13	0.197	O	|	|	|	0.97
11.583	0.00	0.13	0.196	O	|	|	|	0.97
11.667	0.00	0.13	0.195	O	|	|	|	0.96
11.750	0.00	0.12	0.195	O	|	|	|	0.96
11.833	0.00	0.12	0.194	O	|	|	|	0.95
11.917	0.00	0.12	0.193	O	|	|	|	0.95
12.000	0.00	0.12	0.192	O	|	|	|	0.95
12.083	0.00	0.12	0.191	O	|	|	|	0.94
12.167	0.00	0.12	0.190	O	|	|	|	0.94
12.250	0.00	0.12	0.189	O	|	|	|	0.93
12.333	0.00	0.12	0.189	O	|	|	|	0.93
12.417	0.00	0.12	0.188	O	|	|	|	0.92
12.500	0.00	0.12	0.187	O	|	|	|	0.92
12.583	0.00	0.12	0.186	O	|	|	|	0.92
12.667	0.00	0.12	0.185	O	|	|	|	0.91
12.750	0.00	0.12	0.184	O	|	|	|	0.91
12.833	0.00	0.12	0.184	O	|	|	|	0.90
12.917	0.00	0.12	0.183	O	|	|	|	0.90
13.000	0.00	0.12	0.182	O	|	|	|	0.90
13.083	0.00	0.12	0.181	O	|	|	|	0.89
13.167	0.00	0.12	0.180	O	|	|	|	0.89
13.250	0.00	0.12	0.180	O	|	|	|	0.89
13.333	0.00	0.11	0.179	O	|	|	|	0.88
13.417	0.00	0.11	0.178	O	|	|	|	0.88
13.500	0.00	0.11	0.177	O	|	|	|	0.87
13.583	0.00	0.11	0.177	O	|	|	|	0.87
13.667	0.00	0.11	0.176	O	|	|	|	0.87
13.750	0.00	0.11	0.175	O	|	|	|	0.86
13.833	0.00	0.11	0.174	O	|	|	|	0.86
13.917	0.00	0.11	0.173	O	|	|	|	0.85
14.000	0.00	0.11	0.173	O	|	|	|	0.85
14.083	0.00	0.11	0.172	O	|	|	|	0.85
14.167	0.00	0.11	0.171	O	|	|	|	0.84
14.250	0.00	0.11	0.170	O	|	|	|	0.84
14.333	0.00	0.11	0.170	O	|	|	|	0.84
14.417	0.00	0.11	0.169	O	|	|	|	0.83
14.500	0.00	0.11	0.168	O	|	|	|	0.83
14.583	0.00	0.11	0.167	O	|	|	|	0.82
14.667	0.00	0.11	0.167	O	|	|	|	0.82
14.750	0.00	0.11	0.166	O	|	|	|	0.82
14.833	0.00	0.11	0.165	O	|	|	|	0.81
14.917	0.00	0.11	0.164	O	|	|	|	0.81
15.000	0.00	0.10	0.164	O	|	|	|	0.81
15.083	0.00	0.10	0.163	O	|	|	|	0.80
15.167	0.00	0.10	0.162	O	|	|	|	0.80
15.250	0.00	0.10	0.162	O	|	|	|	0.80
15.333	0.00	0.10	0.161	O	|	|	|	0.79
15.417	0.00	0.10	0.160	O	|	|	|	0.79
15.500	0.00	0.10	0.159	O	|	|	|	0.79
15.583	0.00	0.10	0.159	O	|	|	|	0.78
15.667	0.00	0.10	0.158	O	|	|	|	0.78

15.750	0.00	0.10	0.157	O	|	|	|	|	0.78
15.833	0.00	0.10	0.157	O	|	|	|	|	0.77
15.917	0.00	0.10	0.156	O	|	|	|	|	0.77
16.000	0.00	0.10	0.155	O	|	|	|	|	0.77
16.083	0.00	0.10	0.155	O	|	|	|	|	0.76
16.167	0.00	0.10	0.154	O	|	|	|	|	0.76
16.250	0.00	0.10	0.153	O	|	|	|	|	0.76
16.333	0.00	0.10	0.153	O	|	|	|	|	0.75
16.417	0.00	0.10	0.152	O	|	|	|	|	0.75
16.500	0.00	0.10	0.151	O	|	|	|	|	0.75
16.583	0.00	0.10	0.151	O	|	|	|	|	0.74
16.667	0.00	0.10	0.150	O	|	|	|	|	0.74
16.750	0.00	0.10	0.149	O	|	|	|	|	0.74
16.833	0.00	0.10	0.149	O	|	|	|	|	0.73
16.917	0.00	0.09	0.148	O	|	|	|	|	0.73
17.000	0.00	0.09	0.147	O	|	|	|	|	0.73
17.083	0.00	0.09	0.147	O	|	|	|	|	0.72
17.167	0.00	0.09	0.146	O	|	|	|	|	0.72
17.250	0.00	0.09	0.145	O	|	|	|	|	0.72
17.333	0.00	0.09	0.145	O	|	|	|	|	0.71
17.417	0.00	0.09	0.144	O	|	|	|	|	0.71
17.500	0.00	0.09	0.143	O	|	|	|	|	0.71
17.583	0.00	0.09	0.143	O	|	|	|	|	0.70
17.667	0.00	0.09	0.142	O	|	|	|	|	0.70
17.750	0.00	0.09	0.142	O	|	|	|	|	0.70
17.833	0.00	0.09	0.141	O	|	|	|	|	0.69
17.917	0.00	0.09	0.140	O	|	|	|	|	0.69
18.000	0.00	0.09	0.140	O	|	|	|	|	0.69
18.083	0.00	0.09	0.139	O	|	|	|	|	0.69
18.167	0.00	0.09	0.139	O	|	|	|	|	0.68
18.250	0.00	0.09	0.138	O	|	|	|	|	0.68
18.333	0.00	0.09	0.137	O	|	|	|	|	0.68
18.417	0.00	0.09	0.137	O	|	|	|	|	0.67
18.500	0.00	0.09	0.136	O	|	|	|	|	0.67
18.583	0.00	0.09	0.135	O	|	|	|	|	0.67
18.667	0.00	0.09	0.135	O	|	|	|	|	0.66
18.750	0.00	0.09	0.134	O	|	|	|	|	0.66
18.833	0.00	0.09	0.134	O	|	|	|	|	0.66
18.917	0.00	0.09	0.133	O	|	|	|	|	0.66
19.000	0.00	0.08	0.133	O	|	|	|	|	0.65
19.083	0.00	0.08	0.132	O	|	|	|	|	0.65
19.167	0.00	0.08	0.131	O	|	|	|	|	0.65
19.250	0.00	0.08	0.131	O	|	|	|	|	0.64
19.333	0.00	0.08	0.130	O	|	|	|	|	0.64
19.417	0.00	0.08	0.130	O	|	|	|	|	0.64
19.500	0.00	0.08	0.129	O	|	|	|	|	0.64
19.583	0.00	0.08	0.128	O	|	|	|	|	0.63
19.667	0.00	0.08	0.128	O	|	|	|	|	0.63
19.750	0.00	0.08	0.127	O	|	|	|	|	0.63
19.833	0.00	0.08	0.127	O	|	|	|	|	0.62
19.917	0.00	0.08	0.126	O	|	|	|	|	0.62
20.000	0.00	0.08	0.126	O	|	|	|	|	0.62

20.083	0.00	0.08	0.125	O	|	|	|	|	0.62
20.167	0.00	0.08	0.125	O	|	|	|	|	0.61
20.250	0.00	0.08	0.124	O	|	|	|	|	0.61
20.333	0.00	0.08	0.123	O	|	|	|	|	0.61
20.417	0.00	0.08	0.123	O	|	|	|	|	0.61
20.500	0.00	0.08	0.122	O	|	|	|	|	0.60
20.583	0.00	0.08	0.122	O	|	|	|	|	0.60
20.667	0.00	0.08	0.121	O	|	|	|	|	0.60
20.750	0.00	0.08	0.121	O	|	|	|	|	0.60
20.833	0.00	0.08	0.120	O	|	|	|	|	0.59
20.917	0.00	0.08	0.120	O	|	|	|	|	0.59
21.000	0.00	0.08	0.119	O	|	|	|	|	0.59
21.083	0.00	0.08	0.119	O	|	|	|	|	0.58
21.167	0.00	0.08	0.118	O	|	|	|	|	0.58
21.250	0.00	0.08	0.118	O	|	|	|	|	0.58
21.333	0.00	0.08	0.117	O	|	|	|	|	0.58
21.417	0.00	0.07	0.117	O	|	|	|	|	0.57
21.500	0.00	0.07	0.116	O	|	|	|	|	0.57
21.583	0.00	0.07	0.116	O	|	|	|	|	0.57
21.667	0.00	0.07	0.115	O	|	|	|	|	0.57
21.750	0.00	0.07	0.115	O	|	|	|	|	0.56
21.833	0.00	0.07	0.114	O	|	|	|	|	0.56
21.917	0.00	0.07	0.114	O	|	|	|	|	0.56
22.000	0.00	0.07	0.113	O	|	|	|	|	0.56
22.083	0.00	0.07	0.113	O	|	|	|	|	0.55
22.167	0.00	0.07	0.112	O	|	|	|	|	0.55
22.250	0.00	0.07	0.112	O	|	|	|	|	0.55
22.333	0.00	0.07	0.111	O	|	|	|	|	0.55
22.417	0.00	0.07	0.111	O	|	|	|	|	0.54
22.500	0.00	0.07	0.110	O	|	|	|	|	0.54
22.583	0.00	0.07	0.110	O	|	|	|	|	0.54
22.667	0.00	0.07	0.109	O	|	|	|	|	0.54
22.750	0.00	0.07	0.109	O	|	|	|	|	0.54
22.833	0.00	0.07	0.108	O	|	|	|	|	0.53
22.917	0.00	0.07	0.108	O	|	|	|	|	0.53
23.000	0.00	0.07	0.107	O	|	|	|	|	0.53
23.083	0.00	0.07	0.107	O	|	|	|	|	0.53
23.167	0.00	0.07	0.106	O	|	|	|	|	0.52
23.250	0.00	0.07	0.106	O	|	|	|	|	0.52
23.333	0.00	0.07	0.105	O	|	|	|	|	0.52
23.417	0.00	0.07	0.105	O	|	|	|	|	0.52
23.500	0.00	0.07	0.104	O	|	|	|	|	0.51
23.583	0.00	0.07	0.104	O	|	|	|	|	0.51
23.667	0.00	0.07	0.104	O	|	|	|	|	0.51
23.750	0.00	0.07	0.103	O	|	|	|	|	0.51
23.833	0.00	0.07	0.103	O	|	|	|	|	0.51
23.917	0.00	0.07	0.102	O	|	|	|	|	0.50
24.000	0.00	0.07	0.102	O	|	|	|	|	0.50
24.083	0.00	0.06	0.101	O	|	|	|	|	0.50
24.167	0.00	0.06	0.101	O	|	|	|	|	0.50
24.250	0.00	0.06	0.100	O	|	|	|	|	0.49
24.333	0.00	0.06	0.100	O	|	|	|	|	0.49

24.417	0.00	0.06	0.099	O	|	|	|	0.49
24.500	0.00	0.06	0.099	O	|	|	|	0.49
24.583	0.00	0.06	0.099	O	|	|	|	0.49
24.667	0.00	0.06	0.098	O	|	|	|	0.48
24.750	0.00	0.06	0.098	O	|	|	|	0.48
24.833	0.00	0.06	0.097	O	|	|	|	0.48
24.917	0.00	0.06	0.097	O	|	|	|	0.48
25.000	0.00	0.06	0.096	O	|	|	|	0.48
25.083	0.00	0.06	0.096	O	|	|	|	0.47
25.167	0.00	0.06	0.096	O	|	|	|	0.47
25.250	0.00	0.06	0.095	O	|	|	|	0.47
25.333	0.00	0.06	0.095	O	|	|	|	0.47
25.417	0.00	0.06	0.094	O	|	|	|	0.46
25.500	0.00	0.06	0.094	O	|	|	|	0.46
25.583	0.00	0.06	0.094	O	|	|	|	0.46
25.667	0.00	0.06	0.093	O	|	|	|	0.46
25.750	0.00	0.06	0.093	O	|	|	|	0.46
25.833	0.00	0.06	0.092	O	|	|	|	0.45
25.917	0.00	0.06	0.092	O	|	|	|	0.45
26.000	0.00	0.06	0.091	O	|	|	|	0.45
26.083	0.00	0.06	0.091	O	|	|	|	0.45
26.167	0.00	0.06	0.091	O	|	|	|	0.45
26.250	0.00	0.06	0.090	O	|	|	|	0.44
26.333	0.00	0.06	0.090	O	|	|	|	0.44
26.417	0.00	0.06	0.090	O	|	|	|	0.44
26.500	0.00	0.06	0.089	O	|	|	|	0.44
26.583	0.00	0.06	0.089	O	|	|	|	0.44
26.667	0.00	0.06	0.088	O	|	|	|	0.44
26.750	0.00	0.06	0.088	O	|	|	|	0.43
26.833	0.00	0.06	0.088	O	|	|	|	0.43
26.917	0.00	0.06	0.087	O	|	|	|	0.43
27.000	0.00	0.06	0.087	O	|	|	|	0.43
27.083	0.00	0.06	0.086	O	|	|	|	0.43
27.167	0.00	0.06	0.086	O	|	|	|	0.42
27.250	0.00	0.05	0.086	O	|	|	|	0.42
27.333	0.00	0.05	0.085	O	|	|	|	0.42
27.417	0.00	0.05	0.085	O	|	|	|	0.42
27.500	0.00	0.05	0.085	O	|	|	|	0.42
27.583	0.00	0.05	0.084	O	|	|	|	0.41
27.667	0.00	0.05	0.084	O	|	|	|	0.41
27.750	0.00	0.05	0.083	O	|	|	|	0.41
27.833	0.00	0.05	0.083	O	|	|	|	0.41
27.917	0.00	0.05	0.083	O	|	|	|	0.41
28.000	0.00	0.05	0.082	O	|	|	|	0.41
28.083	0.00	0.05	0.082	O	|	|	|	0.40
28.167	0.00	0.05	0.082	O	|	|	|	0.40
28.250	0.00	0.05	0.081	O	|	|	|	0.40
28.333	0.00	0.05	0.081	O	|	|	|	0.40
28.417	0.00	0.05	0.081	O	|	|	|	0.40
28.500	0.00	0.05	0.080	O	|	|	|	0.39
28.583	0.00	0.05	0.080	O	|	|	|	0.39
28.667	0.00	0.05	0.079	O	|	|	|	0.39

28.750	0.00	0.05	0.079	O	|	|	|	0.39
28.833	0.00	0.05	0.079	O	|	|	|	0.39
28.917	0.00	0.05	0.078	O	|	|	|	0.39
29.000	0.00	0.05	0.078	O	|	|	|	0.38
29.083	0.00	0.05	0.078	O	|	|	|	0.38
29.167	0.00	0.05	0.077	O	|	|	|	0.38
29.250	0.00	0.05	0.077	O	|	|	|	0.38
29.333	0.00	0.05	0.077	O	|	|	|	0.38
29.417	0.00	0.05	0.076	O	|	|	|	0.38
29.500	0.00	0.05	0.076	O	|	|	|	0.37
29.583	0.00	0.05	0.076	O	|	|	|	0.37
29.667	0.00	0.05	0.075	O	|	|	|	0.37
29.750	0.00	0.05	0.075	O	|	|	|	0.37
29.833	0.00	0.05	0.075	O	|	|	|	0.37
29.917	0.00	0.05	0.074	O	|	|	|	0.37
30.000	0.00	0.05	0.074	O	|	|	|	0.36
30.083	0.00	0.05	0.074	O	|	|	|	0.36
30.167	0.00	0.05	0.073	O	|	|	|	0.36
30.250	0.00	0.05	0.073	O	|	|	|	0.36
30.333	0.00	0.05	0.073	O	|	|	|	0.36
30.417	0.00	0.05	0.072	O	|	|	|	0.36
30.500	0.00	0.05	0.072	O	|	|	|	0.36
30.583	0.00	0.05	0.072	O	|	|	|	0.35
30.667	0.00	0.05	0.071	O	|	|	|	0.35
30.750	0.00	0.05	0.071	O	|	|	|	0.35
30.833	0.00	0.05	0.071	O	|	|	|	0.35
30.917	0.00	0.05	0.071	O	|	|	|	0.35
31.000	0.00	0.04	0.070	O	|	|	|	0.35
31.083	0.00	0.04	0.070	O	|	|	|	0.34
31.167	0.00	0.04	0.070	O	|	|	|	0.34
31.250	0.00	0.04	0.069	O	|	|	|	0.34
31.333	0.00	0.04	0.069	O	|	|	|	0.34
31.417	0.00	0.04	0.069	O	|	|	|	0.34
31.500	0.00	0.04	0.068	O	|	|	|	0.34
31.583	0.00	0.04	0.068	O	|	|	|	0.34
31.667	0.00	0.04	0.068	O	|	|	|	0.33
31.750	0.00	0.04	0.067	O	|	|	|	0.33
31.833	0.00	0.04	0.067	O	|	|	|	0.33
31.917	0.00	0.04	0.067	O	|	|	|	0.33
32.000	0.00	0.04	0.067	O	|	|	|	0.33
32.083	0.00	0.04	0.066	O	|	|	|	0.33
32.167	0.00	0.04	0.066	O	|	|	|	0.33
32.250	0.00	0.04	0.066	O	|	|	|	0.32
32.333	0.00	0.04	0.065	O	|	|	|	0.32
32.417	0.00	0.04	0.065	O	|	|	|	0.32
32.500	0.00	0.04	0.065	O	|	|	|	0.32
32.583	0.00	0.04	0.065	O	|	|	|	0.32
32.667	0.00	0.04	0.064	O	|	|	|	0.32
32.750	0.00	0.04	0.064	O	|	|	|	0.32
32.833	0.00	0.04	0.064	O	|	|	|	0.31
32.917	0.00	0.04	0.063	O	|	|	|	0.31
33.000	0.00	0.04	0.063	O	|	|	|	0.31

33.083	0.00	0.04	0.063	O	|	|	|	0.31
33.167	0.00	0.04	0.063	O	|	|	|	0.31
33.250	0.00	0.04	0.062	O	|	|	|	0.31
33.333	0.00	0.04	0.062	O	|	|	|	0.31
33.417	0.00	0.04	0.062	O	|	|	|	0.30
33.500	0.00	0.04	0.062	O	|	|	|	0.30
33.583	0.00	0.04	0.061	O	|	|	|	0.30
33.667	0.00	0.04	0.061	O	|	|	|	0.30
33.750	0.00	0.04	0.061	O	|	|	|	0.30
33.833	0.00	0.04	0.060	O	|	|	|	0.30
33.917	0.00	0.04	0.060	O	|	|	|	0.30
34.000	0.00	0.04	0.060	O	|	|	|	0.30
34.083	0.00	0.04	0.060	O	|	|	|	0.29
34.167	0.00	0.04	0.059	O	|	|	|	0.29
34.250	0.00	0.04	0.059	O	|	|	|	0.29
34.333	0.00	0.04	0.059	O	|	|	|	0.29
34.417	0.00	0.04	0.059	O	|	|	|	0.29
34.500	0.00	0.04	0.058	O	|	|	|	0.29
34.583	0.00	0.04	0.058	O	|	|	|	0.29
34.667	0.00	0.04	0.058	O	|	|	|	0.28
34.750	0.00	0.04	0.058	O	|	|	|	0.28
34.833	0.00	0.04	0.057	O	|	|	|	0.28
34.917	0.00	0.04	0.057	O	|	|	|	0.28
35.000	0.00	0.04	0.057	O	|	|	|	0.28
35.083	0.00	0.04	0.057	O	|	|	|	0.28
35.167	0.00	0.04	0.056	O	|	|	|	0.28
35.250	0.00	0.04	0.056	O	|	|	|	0.28
35.333	0.00	0.04	0.056	O	|	|	|	0.28
35.417	0.00	0.04	0.056	O	|	|	|	0.27
35.500	0.00	0.04	0.055	O	|	|	|	0.27
35.583	0.00	0.04	0.055	O	|	|	|	0.27
35.667	0.00	0.04	0.055	O	|	|	|	0.27
35.750	0.00	0.03	0.055	O	|	|	|	0.27
35.833	0.00	0.03	0.054	O	|	|	|	0.27
35.917	0.00	0.03	0.054	O	|	|	|	0.27
36.000	0.00	0.03	0.054	O	|	|	|	0.27
36.083	0.00	0.03	0.054	O	|	|	|	0.26
36.167	0.00	0.03	0.053	O	|	|	|	0.26
36.250	0.00	0.03	0.053	O	|	|	|	0.26
36.333	0.00	0.03	0.053	O	|	|	|	0.26
36.417	0.00	0.03	0.053	O	|	|	|	0.26
36.500	0.00	0.03	0.052	O	|	|	|	0.26
36.583	0.00	0.03	0.052	O	|	|	|	0.26
36.667	0.00	0.03	0.052	O	|	|	|	0.26
36.750	0.00	0.03	0.052	O	|	|	|	0.26
36.833	0.00	0.03	0.052	O	|	|	|	0.25
36.917	0.00	0.03	0.051	O	|	|	|	0.25
37.000	0.00	0.03	0.051	O	|	|	|	0.25
37.083	0.00	0.03	0.051	O	|	|	|	0.25
37.167	0.00	0.03	0.051	O	|	|	|	0.25
37.250	0.00	0.03	0.050	O	|	|	|	0.25
37.333	0.00	0.03	0.050	O	|	|	|	0.25

37.417	0.00	0.03	0.050	O	|	|	|	0.25
37.500	0.00	0.03	0.050	O	|	|	|	0.25
37.583	0.00	0.03	0.050	O	|	|	|	0.24
37.667	0.00	0.03	0.049	O	|	|	|	0.24
37.750	0.00	0.03	0.049	O	|	|	|	0.24
37.833	0.00	0.03	0.049	O	|	|	|	0.24
37.917	0.00	0.03	0.049	O	|	|	|	0.24
38.000	0.00	0.03	0.048	O	|	|	|	0.24
38.083	0.00	0.03	0.048	O	|	|	|	0.24
38.167	0.00	0.03	0.048	O	|	|	|	0.24
38.250	0.00	0.03	0.048	O	|	|	|	0.24
38.333	0.00	0.03	0.048	O	|	|	|	0.23
38.417	0.00	0.03	0.047	O	|	|	|	0.23
38.500	0.00	0.03	0.047	O	|	|	|	0.23
38.583	0.00	0.03	0.047	O	|	|	|	0.23
38.667	0.00	0.03	0.047	O	|	|	|	0.23
38.750	0.00	0.03	0.047	O	|	|	|	0.23
38.833	0.00	0.03	0.046	O	|	|	|	0.23
38.917	0.00	0.03	0.046	O	|	|	|	0.23
39.000	0.00	0.03	0.046	O	|	|	|	0.23
39.083	0.00	0.03	0.046	O	|	|	|	0.23
39.167	0.00	0.03	0.046	O	|	|	|	0.22
39.250	0.00	0.03	0.045	O	|	|	|	0.22
39.333	0.00	0.03	0.045	O	|	|	|	0.22
39.417	0.00	0.03	0.045	O	|	|	|	0.22
39.500	0.00	0.03	0.045	O	|	|	|	0.22
39.583	0.00	0.03	0.045	O	|	|	|	0.22
39.667	0.00	0.03	0.044	O	|	|	|	0.22
39.750	0.00	0.03	0.044	O	|	|	|	0.22
39.833	0.00	0.03	0.044	O	|	|	|	0.22
39.917	0.00	0.03	0.044	O	|	|	|	0.22
40.000	0.00	0.03	0.044	O	|	|	|	0.21
40.083	0.00	0.03	0.043	O	|	|	|	0.21
40.167	0.00	0.03	0.043	O	|	|	|	0.21
40.250	0.00	0.03	0.043	O	|	|	|	0.21
40.333	0.00	0.03	0.043	O	|	|	|	0.21
40.417	0.00	0.03	0.043	O	|	|	|	0.21
40.500	0.00	0.03	0.042	O	|	|	|	0.21
40.583	0.00	0.03	0.042	O	|	|	|	0.21
40.667	0.00	0.03	0.042	O	|	|	|	0.21
40.750	0.00	0.03	0.042	O	|	|	|	0.21
40.833	0.00	0.03	0.042	O	|	|	|	0.21
40.917	0.00	0.03	0.042	O	|	|	|	0.20
41.000	0.00	0.03	0.041	O	|	|	|	0.20
41.083	0.00	0.03	0.041	O	|	|	|	0.20
41.167	0.00	0.03	0.041	O	|	|	|	0.20
41.250	0.00	0.03	0.041	O	|	|	|	0.20
41.333	0.00	0.03	0.041	O	|	|	|	0.20
41.417	0.00	0.03	0.040	O	|	|	|	0.20
41.500	0.00	0.03	0.040	O	|	|	|	0.20
41.583	0.00	0.03	0.040	O	|	|	|	0.20
41.667	0.00	0.03	0.040	O	|	|	|	0.20

41.750	0.00	0.03	0.040	O	|	|	|	0.20
41.833	0.00	0.03	0.040	O	|	|	|	0.19
41.917	0.00	0.03	0.039	O	|	|	|	0.19
42.000	0.00	0.03	0.039	O	|	|	|	0.19
42.083	0.00	0.03	0.039	O	|	|	|	0.19
42.167	0.00	0.02	0.039	O	|	|	|	0.19
42.250	0.00	0.02	0.039	O	|	|	|	0.19
42.333	0.00	0.02	0.039	O	|	|	|	0.19
42.417	0.00	0.02	0.038	O	|	|	|	0.19
42.500	0.00	0.02	0.038	O	|	|	|	0.19
42.583	0.00	0.02	0.038	O	|	|	|	0.19
42.667	0.00	0.02	0.038	O	|	|	|	0.19
42.750	0.00	0.02	0.038	O	|	|	|	0.19
42.833	0.00	0.02	0.038	O	|	|	|	0.18
42.917	0.00	0.02	0.037	O	|	|	|	0.18
43.000	0.00	0.02	0.037	O	|	|	|	0.18
43.083	0.00	0.02	0.037	O	|	|	|	0.18
43.167	0.00	0.02	0.037	O	|	|	|	0.18
43.250	0.00	0.02	0.037	O	|	|	|	0.18
43.333	0.00	0.02	0.037	O	|	|	|	0.18
43.417	0.00	0.02	0.036	O	|	|	|	0.18
43.500	0.00	0.02	0.036	O	|	|	|	0.18
43.583	0.00	0.02	0.036	O	|	|	|	0.18
43.667	0.00	0.02	0.036	O	|	|	|	0.18
43.750	0.00	0.02	0.036	O	|	|	|	0.18
43.833	0.00	0.02	0.036	O	|	|	|	0.18
43.917	0.00	0.02	0.035	O	|	|	|	0.17
44.000	0.00	0.02	0.035	O	|	|	|	0.17
44.083	0.00	0.02	0.035	O	|	|	|	0.17
44.167	0.00	0.02	0.035	O	|	|	|	0.17
44.250	0.00	0.02	0.035	O	|	|	|	0.17
44.333	0.00	0.02	0.035	O	|	|	|	0.17
44.417	0.00	0.02	0.035	O	|	|	|	0.17
44.500	0.00	0.02	0.034	O	|	|	|	0.17
44.583	0.00	0.02	0.034	O	|	|	|	0.17
44.667	0.00	0.02	0.034	O	|	|	|	0.17
44.750	0.00	0.02	0.034	O	|	|	|	0.17
44.833	0.00	0.02	0.034	O	|	|	|	0.17
44.917	0.00	0.02	0.034	O	|	|	|	0.17
45.000	0.00	0.02	0.033	O	|	|	|	0.16
45.083	0.00	0.02	0.033	O	|	|	|	0.16
45.167	0.00	0.02	0.033	O	|	|	|	0.16
45.250	0.00	0.02	0.033	O	|	|	|	0.16
45.333	0.00	0.02	0.033	O	|	|	|	0.16
45.417	0.00	0.02	0.033	O	|	|	|	0.16
45.500	0.00	0.02	0.033	O	|	|	|	0.16
45.583	0.00	0.02	0.032	O	|	|	|	0.16
45.667	0.00	0.02	0.032	O	|	|	|	0.16
45.750	0.00	0.02	0.032	O	|	|	|	0.16
45.833	0.00	0.02	0.032	O	|	|	|	0.16
45.917	0.00	0.02	0.032	O	|	|	|	0.16
46.000	0.00	0.02	0.032	O	|	|	|	0.16

46.083	0.00	0.02	0.032	O	|	|	|	0.16
46.167	0.00	0.02	0.031	O	|	|	|	0.16
46.250	0.00	0.02	0.031	O	|	|	|	0.15
46.333	0.00	0.02	0.031	O	|	|	|	0.15
46.417	0.00	0.02	0.031	O	|	|	|	0.15
46.500	0.00	0.02	0.031	O	|	|	|	0.15
46.583	0.00	0.02	0.031	O	|	|	|	0.15
46.667	0.00	0.02	0.031	O	|	|	|	0.15
46.750	0.00	0.02	0.031	O	|	|	|	0.15
46.833	0.00	0.02	0.030	O	|	|	|	0.15
46.917	0.00	0.02	0.030	O	|	|	|	0.15
47.000	0.00	0.02	0.030	O	|	|	|	0.15
47.083	0.00	0.02	0.030	O	|	|	|	0.15
47.167	0.00	0.02	0.030	O	|	|	|	0.15
47.250	0.00	0.02	0.030	O	|	|	|	0.15
47.333	0.00	0.02	0.030	O	|	|	|	0.15
47.417	0.00	0.02	0.029	O	|	|	|	0.15
47.500	0.00	0.02	0.029	O	|	|	|	0.14
47.583	0.00	0.02	0.029	O	|	|	|	0.14
47.667	0.00	0.02	0.029	O	|	|	|	0.14
47.750	0.00	0.02	0.029	O	|	|	|	0.14
47.833	0.00	0.02	0.029	O	|	|	|	0.14
47.917	0.00	0.02	0.029	O	|	|	|	0.14
48.000	0.00	0.02	0.029	O	|	|	|	0.14
48.083	0.00	0.02	0.028	O	|	|	|	0.14
48.167	0.00	0.02	0.028	O	|	|	|	0.14
48.250	0.00	0.02	0.028	O	|	|	|	0.14
48.333	0.00	0.02	0.028	O	|	|	|	0.14
48.417	0.00	0.02	0.028	O	|	|	|	0.14
48.500	0.00	0.02	0.028	O	|	|	|	0.14
48.583	0.00	0.02	0.028	O	|	|	|	0.14
48.667	0.00	0.02	0.028	O	|	|	|	0.14
48.750	0.00	0.02	0.027	O	|	|	|	0.14
48.833	0.00	0.02	0.027	O	|	|	|	0.13
48.917	0.00	0.02	0.027	O	|	|	|	0.13
49.000	0.00	0.02	0.027	O	|	|	|	0.13
49.083	0.00	0.02	0.027	O	|	|	|	0.13
49.167	0.00	0.02	0.027	O	|	|	|	0.13
49.250	0.00	0.02	0.027	O	|	|	|	0.13
49.333	0.00	0.02	0.027	O	|	|	|	0.13
49.417	0.00	0.02	0.026	O	|	|	|	0.13
49.500	0.00	0.02	0.026	O	|	|	|	0.13
49.583	0.00	0.02	0.026	O	|	|	|	0.13
49.667	0.00	0.02	0.026	O	|	|	|	0.13
49.750	0.00	0.02	0.026	O	|	|	|	0.13
49.833	0.00	0.02	0.026	O	|	|	|	0.13
49.917	0.00	0.02	0.026	O	|	|	|	0.13
50.000	0.00	0.02	0.026	O	|	|	|	0.13
50.083	0.00	0.02	0.026	O	|	|	|	0.13
50.167	0.00	0.02	0.025	O	|	|	|	0.13
50.250	0.00	0.02	0.025	O	|	|	|	0.12
50.333	0.00	0.02	0.025	O	|	|	|	0.12

50.417	0.00	0.02	0.025	O	|	|	|	0.12
50.500	0.00	0.02	0.025	O	|	|	|	0.12
50.583	0.00	0.02	0.025	O	|	|	|	0.12
50.667	0.00	0.02	0.025	O	|	|	|	0.12
50.750	0.00	0.02	0.025	O	|	|	|	0.12
50.833	0.00	0.02	0.025	O	|	|	|	0.12
50.917	0.00	0.02	0.024	O	|	|	|	0.12
51.000	0.00	0.02	0.024	O	|	|	|	0.12
51.083	0.00	0.02	0.024	O	|	|	|	0.12
51.167	0.00	0.02	0.024	O	|	|	|	0.12
51.250	0.00	0.02	0.024	O	|	|	|	0.12
51.333	0.00	0.02	0.024	O	|	|	|	0.12
51.417	0.00	0.02	0.024	O	|	|	|	0.12
51.500	0.00	0.02	0.024	O	|	|	|	0.12
51.583	0.00	0.02	0.024	O	|	|	|	0.12
51.667	0.00	0.02	0.024	O	|	|	|	0.12
51.750	0.00	0.01	0.023	O	|	|	|	0.12
51.833	0.00	0.01	0.023	O	|	|	|	0.11
51.917	0.00	0.01	0.023	O	|	|	|	0.11
52.000	0.00	0.01	0.023	O	|	|	|	0.11
52.083	0.00	0.01	0.023	O	|	|	|	0.11
52.167	0.00	0.01	0.023	O	|	|	|	0.11
52.250	0.00	0.01	0.023	O	|	|	|	0.11
52.333	0.00	0.01	0.023	O	|	|	|	0.11
52.417	0.00	0.01	0.023	O	|	|	|	0.11
52.500	0.00	0.01	0.023	O	|	|	|	0.11
52.583	0.00	0.01	0.022	O	|	|	|	0.11
52.667	0.00	0.01	0.022	O	|	|	|	0.11
52.750	0.00	0.01	0.022	O	|	|	|	0.11
52.833	0.00	0.01	0.022	O	|	|	|	0.11
52.917	0.00	0.01	0.022	O	|	|	|	0.11
53.000	0.00	0.01	0.022	O	|	|	|	0.11
53.083	0.00	0.01	0.022	O	|	|	|	0.11
53.167	0.00	0.01	0.022	O	|	|	|	0.11
53.250	0.00	0.01	0.022	O	|	|	|	0.11
53.333	0.00	0.01	0.022	O	|	|	|	0.11
53.417	0.00	0.01	0.021	O	|	|	|	0.11
53.500	0.00	0.01	0.021	O	|	|	|	0.11
53.583	0.00	0.01	0.021	O	|	|	|	0.10
53.667	0.00	0.01	0.021	O	|	|	|	0.10
53.750	0.00	0.01	0.021	O	|	|	|	0.10
53.833	0.00	0.01	0.021	O	|	|	|	0.10
53.917	0.00	0.01	0.021	O	|	|	|	0.10
54.000	0.00	0.01	0.021	O	|	|	|	0.10
54.083	0.00	0.01	0.021	O	|	|	|	0.10
54.167	0.00	0.01	0.021	O	|	|	|	0.10
54.250	0.00	0.01	0.021	O	|	|	|	0.10
54.333	0.00	0.01	0.020	O	|	|	|	0.10
54.417	0.00	0.01	0.020	O	|	|	|	0.10
54.500	0.00	0.01	0.020	O	|	|	|	0.10
54.583	0.00	0.01	0.020	O	|	|	|	0.10
54.667	0.00	0.01	0.020	O	|	|	|	0.10

54.750	0.00	0.01	0.020	O	|	|	|	0.10
54.833	0.00	0.01	0.020	O	|	|	|	0.10
54.917	0.00	0.01	0.020	O	|	|	|	0.10
55.000	0.00	0.01	0.020	O	|	|	|	0.10
55.083	0.00	0.01	0.020	O	|	|	|	0.10
55.167	0.00	0.01	0.020	O	|	|	|	0.10
55.250	0.00	0.01	0.019	O	|	|	|	0.10
55.333	0.00	0.01	0.019	O	|	|	|	0.10
55.417	0.00	0.01	0.019	O	|	|	|	0.10
55.500	0.00	0.01	0.019	O	|	|	|	0.09
55.583	0.00	0.01	0.019	O	|	|	|	0.09
55.667	0.00	0.01	0.019	O	|	|	|	0.09
55.750	0.00	0.01	0.019	O	|	|	|	0.09
55.833	0.00	0.01	0.019	O	|	|	|	0.09
55.917	0.00	0.01	0.019	O	|	|	|	0.09
56.000	0.00	0.01	0.019	O	|	|	|	0.09
56.083	0.00	0.01	0.019	O	|	|	|	0.09
56.167	0.00	0.01	0.019	O	|	|	|	0.09
56.250	0.00	0.01	0.018	O	|	|	|	0.09
56.333	0.00	0.01	0.018	O	|	|	|	0.09
56.417	0.00	0.01	0.018	O	|	|	|	0.09
56.500	0.00	0.01	0.018	O	|	|	|	0.09
56.583	0.00	0.01	0.018	O	|	|	|	0.09
56.667	0.00	0.01	0.018	O	|	|	|	0.09
56.750	0.00	0.01	0.018	O	|	|	|	0.09
56.833	0.00	0.01	0.018	O	|	|	|	0.09
56.917	0.00	0.01	0.018	O	|	|	|	0.09
57.000	0.00	0.01	0.018	O	|	|	|	0.09
57.083	0.00	0.01	0.018	O	|	|	|	0.09
57.167	0.00	0.01	0.018	O	|	|	|	0.09
57.250	0.00	0.01	0.018	O	|	|	|	0.09
57.333	0.00	0.01	0.017	O	|	|	|	0.09
57.417	0.00	0.01	0.017	O	|	|	|	0.09
57.500	0.00	0.01	0.017	O	|	|	|	0.09
57.583	0.00	0.01	0.017	O	|	|	|	0.08
57.667	0.00	0.01	0.017	O	|	|	|	0.08
57.750	0.00	0.01	0.017	O	|	|	|	0.08
57.833	0.00	0.01	0.017	O	|	|	|	0.08
57.917	0.00	0.01	0.017	O	|	|	|	0.08
58.000	0.00	0.01	0.017	O	|	|	|	0.08
58.083	0.00	0.01	0.017	O	|	|	|	0.08
58.167	0.00	0.01	0.017	O	|	|	|	0.08
58.250	0.00	0.01	0.017	O	|	|	|	0.08
58.333	0.00	0.01	0.017	O	|	|	|	0.08
58.417	0.00	0.01	0.016	O	|	|	|	0.08
58.500	0.00	0.01	0.016	O	|	|	|	0.08
58.583	0.00	0.01	0.016	O	|	|	|	0.08
58.667	0.00	0.01	0.016	O	|	|	|	0.08
58.750	0.00	0.01	0.016	O	|	|	|	0.08
58.833	0.00	0.01	0.016	O	|	|	|	0.08
58.917	0.00	0.01	0.016	O	|	|	|	0.08
59.000	0.00	0.01	0.016	O	|	|	|	0.08

59.083	0.00	0.01	0.016	O	|	|	|	0.08
59.167	0.00	0.01	0.016	O	|	|	|	0.08
59.250	0.00	0.01	0.016	O	|	|	|	0.08
59.333	0.00	0.01	0.016	O	|	|	|	0.08
59.417	0.00	0.01	0.016	O	|	|	|	0.08
59.500	0.00	0.01	0.016	O	|	|	|	0.08
59.583	0.00	0.01	0.015	O	|	|	|	0.08
59.667	0.00	0.01	0.015	O	|	|	|	0.08
59.750	0.00	0.01	0.015	O	|	|	|	0.08
59.833	0.00	0.01	0.015	O	|	|	|	0.08
59.917	0.00	0.01	0.015	O	|	|	|	0.07
60.000	0.00	0.01	0.015	O	|	|	|	0.07
60.083	0.00	0.01	0.015	O	|	|	|	0.07
60.167	0.00	0.01	0.015	O	|	|	|	0.07
60.250	0.00	0.01	0.015	O	|	|	|	0.07
60.333	0.00	0.01	0.015	O	|	|	|	0.07
60.417	0.00	0.01	0.015	O	|	|	|	0.07
60.500	0.00	0.01	0.015	O	|	|	|	0.07
60.583	0.00	0.01	0.015	O	|	|	|	0.07
60.667	0.00	0.01	0.015	O	|	|	|	0.07
60.750	0.00	0.01	0.015	O	|	|	|	0.07
60.833	0.00	0.01	0.014	O	|	|	|	0.07
60.917	0.00	0.01	0.014	O	|	|	|	0.07
61.000	0.00	0.01	0.014	O	|	|	|	0.07
61.083	0.00	0.01	0.014	O	|	|	|	0.07
61.167	0.00	0.01	0.014	O	|	|	|	0.07
61.250	0.00	0.01	0.014	O	|	|	|	0.07
61.333	0.00	0.01	0.014	O	|	|	|	0.07
61.417	0.00	0.01	0.014	O	|	|	|	0.07
61.500	0.00	0.01	0.014	O	|	|	|	0.07
61.583	0.00	0.01	0.014	O	|	|	|	0.07
61.667	0.00	0.01	0.014	O	|	|	|	0.07
61.750	0.00	0.01	0.014	O	|	|	|	0.07
61.833	0.00	0.01	0.014	O	|	|	|	0.07
61.917	0.00	0.01	0.014	O	|	|	|	0.07
62.000	0.00	0.01	0.014	O	|	|	|	0.07
62.083	0.00	0.01	0.014	O	|	|	|	0.07
62.167	0.00	0.01	0.013	O	|	|	|	0.07
62.250	0.00	0.01	0.013	O	|	|	|	0.07
62.333	0.00	0.01	0.013	O	|	|	|	0.07
62.417	0.00	0.01	0.013	O	|	|	|	0.07
62.500	0.00	0.01	0.013	O	|	|	|	0.07
62.583	0.00	0.01	0.013	O	|	|	|	0.07
62.667	0.00	0.01	0.013	O	|	|	|	0.06
62.750	0.00	0.01	0.013	O	|	|	|	0.06
62.833	0.00	0.01	0.013	O	|	|	|	0.06
62.917	0.00	0.01	0.013	O	|	|	|	0.06
63.000	0.00	0.01	0.013	O	|	|	|	0.06
63.083	0.00	0.01	0.013	O	|	|	|	0.06
63.167	0.00	0.01	0.013	O	|	|	|	0.06
63.250	0.00	0.01	0.013	O	|	|	|	0.06
63.333	0.00	0.01	0.013	O	|	|	|	0.06

63.417	0.00	0.01	0.013	O	|	|	|	0.06
63.500	0.00	0.01	0.013	O	|	|	|	0.06
63.583	0.00	0.01	0.013	O	|	|	|	0.06
63.667	0.00	0.01	0.012	O	|	|	|	0.06
63.750	0.00	0.01	0.012	O	|	|	|	0.06
63.833	0.00	0.01	0.012	O	|	|	|	0.06
63.917	0.00	0.01	0.012	O	|	|	|	0.06
64.000	0.00	0.01	0.012	O	|	|	|	0.06
64.083	0.00	0.01	0.012	O	|	|	|	0.06
64.167	0.00	0.01	0.012	O	|	|	|	0.06
64.250	0.00	0.01	0.012	O	|	|	|	0.06
64.333	0.00	0.01	0.012	O	|	|	|	0.06
64.417	0.00	0.01	0.012	O	|	|	|	0.06
64.500	0.00	0.01	0.012	O	|	|	|	0.06
64.583	0.00	0.01	0.012	O	|	|	|	0.06
64.667	0.00	0.01	0.012	O	|	|	|	0.06
64.750	0.00	0.01	0.012	O	|	|	|	0.06
64.833	0.00	0.01	0.012	O	|	|	|	0.06
64.917	0.00	0.01	0.012	O	|	|	|	0.06
65.000	0.00	0.01	0.012	O	|	|	|	0.06
65.083	0.00	0.01	0.012	O	|	|	|	0.06
65.167	0.00	0.01	0.012	O	|	|	|	0.06
65.250	0.00	0.01	0.011	O	|	|	|	0.06
65.333	0.00	0.01	0.011	O	|	|	|	0.06
65.417	0.00	0.01	0.011	O	|	|	|	0.06
65.500	0.00	0.01	0.011	O	|	|	|	0.06
65.583	0.00	0.01	0.011	O	|	|	|	0.06
65.667	0.00	0.01	0.011	O	|	|	|	0.06
65.750	0.00	0.01	0.011	O	|	|	|	0.05
65.833	0.00	0.01	0.011	O	|	|	|	0.05
65.917	0.00	0.01	0.011	O	|	|	|	0.05
66.000	0.00	0.01	0.011	O	|	|	|	0.05
66.083	0.00	0.01	0.011	O	|	|	|	0.05
66.167	0.00	0.01	0.011	O	|	|	|	0.05
66.250	0.00	0.01	0.011	O	|	|	|	0.05
66.333	0.00	0.01	0.011	O	|	|	|	0.05
66.417	0.00	0.01	0.011	O	|	|	|	0.05
66.500	0.00	0.01	0.011	O	|	|	|	0.05
66.583	0.00	0.01	0.011	O	|	|	|	0.05
66.667	0.00	0.01	0.011	O	|	|	|	0.05
66.750	0.00	0.01	0.011	O	|	|	|	0.05
66.833	0.00	0.01	0.011	O	|	|	|	0.05
66.917	0.00	0.01	0.010	O	|	|	|	0.05
67.000	0.00	0.01	0.010	O	|	|	|	0.05
67.083	0.00	0.01	0.010	O	|	|	|	0.05
67.167	0.00	0.01	0.010	O	|	|	|	0.05
67.250	0.00	0.01	0.010	O	|	|	|	0.05
67.333	0.00	0.01	0.010	O	|	|	|	0.05
67.417	0.00	0.01	0.010	O	|	|	|	0.05
67.500	0.00	0.01	0.010	O	|	|	|	0.05
67.583	0.00	0.01	0.010	O	|	|	|	0.05
67.667	0.00	0.01	0.010	O	|	|	|	0.05

67.750	0.00	0.01	0.010	O	|	|	|	0.05
67.833	0.00	0.01	0.010	O	|	|	|	0.05
67.917	0.00	0.01	0.010	O	|	|	|	0.05
68.000	0.00	0.01	0.010	O	|	|	|	0.05
68.083	0.00	0.01	0.010	O	|	|	|	0.05
68.167	0.00	0.01	0.010	O	|	|	|	0.05
68.250	0.00	0.01	0.010	O	|	|	|	0.05
68.333	0.00	0.01	0.010	O	|	|	|	0.05
68.417	0.00	0.01	0.010	O	|	|	|	0.05
68.500	0.00	0.01	0.010	O	|	|	|	0.05
68.583	0.00	0.01	0.010	O	|	|	|	0.05
68.667	0.00	0.01	0.010	O	|	|	|	0.05
68.750	0.00	0.01	0.010	O	|	|	|	0.05
68.833	0.00	0.01	0.009	O	|	|	|	0.05
68.917	0.00	0.01	0.009	O	|	|	|	0.05
69.000	0.00	0.01	0.009	O	|	|	|	0.05
69.083	0.00	0.01	0.009	O	|	|	|	0.05
69.167	0.00	0.01	0.009	O	|	|	|	0.05
69.250	0.00	0.01	0.009	O	|	|	|	0.05
69.333	0.00	0.01	0.009	O	|	|	|	0.05
69.417	0.00	0.01	0.009	O	|	|	|	0.05
69.500	0.00	0.01	0.009	O	|	|	|	0.05
69.583	0.00	0.01	0.009	O	|	|	|	0.04
69.667	0.00	0.01	0.009	O	|	|	|	0.04
69.750	0.00	0.01	0.009	O	|	|	|	0.04
69.833	0.00	0.01	0.009	O	|	|	|	0.04
69.917	0.00	0.01	0.009	O	|	|	|	0.04
70.000	0.00	0.01	0.009	O	|	|	|	0.04
70.083	0.00	0.01	0.009	O	|	|	|	0.04
70.167	0.00	0.01	0.009	O	|	|	|	0.04
70.250	0.00	0.01	0.009	O	|	|	|	0.04
70.333	0.00	0.01	0.009	O	|	|	|	0.04
70.417	0.00	0.01	0.009	O	|	|	|	0.04
70.500	0.00	0.01	0.009	O	|	|	|	0.04
70.583	0.00	0.01	0.009	O	|	|	|	0.04
70.667	0.00	0.01	0.009	O	|	|	|	0.04
70.750	0.00	0.01	0.009	O	|	|	|	0.04
70.833	0.00	0.01	0.009	O	|	|	|	0.04
70.917	0.00	0.01	0.008	O	|	|	|	0.04
71.000	0.00	0.01	0.008	O	|	|	|	0.04
71.083	0.00	0.01	0.008	O	|	|	|	0.04
71.167	0.00	0.01	0.008	O	|	|	|	0.04
71.250	0.00	0.01	0.008	O	|	|	|	0.04
71.333	0.00	0.01	0.008	O	|	|	|	0.04
71.417	0.00	0.01	0.008	O	|	|	|	0.04
71.500	0.00	0.01	0.008	O	|	|	|	0.04
71.583	0.00	0.01	0.008	O	|	|	|	0.04
71.667	0.00	0.01	0.008	O	|	|	|	0.04
71.750	0.00	0.01	0.008	O	|	|	|	0.04
71.833	0.00	0.01	0.008	O	|	|	|	0.04
71.917	0.00	0.01	0.008	O	|	|	|	0.04
72.000	0.00	0.01	0.008	O	|	|	|	0.04

72.083	0.00	0.01	0.008	O	|	|	|	0.04
72.167	0.00	0.01	0.008	O	|	|	|	0.04
72.250	0.00	0.01	0.008	O	|	|	|	0.04
72.333	0.00	0.01	0.008	O	|	|	|	0.04
72.417	0.00	0.01	0.008	O	|	|	|	0.04
72.500	0.00	0.01	0.008	O	|	|	|	0.04
72.583	0.00	0.00	0.008	O	|	|	|	0.04
72.667	0.00	0.00	0.008	O	|	|	|	0.04
72.750	0.00	0.00	0.008	O	|	|	|	0.04
72.833	0.00	0.00	0.008	O	|	|	|	0.04
72.917	0.00	0.00	0.008	O	|	|	|	0.04
73.000	0.00	0.00	0.008	O	|	|	|	0.04
73.083	0.00	0.00	0.008	O	|	|	|	0.04
73.167	0.00	0.00	0.008	O	|	|	|	0.04
73.250	0.00	0.00	0.008	O	|	|	|	0.04
73.333	0.00	0.00	0.007	O	|	|	|	0.04
73.417	0.00	0.00	0.007	O	|	|	|	0.04
73.500	0.00	0.00	0.007	O	|	|	|	0.04
73.583	0.00	0.00	0.007	O	|	|	|	0.04
73.667	0.00	0.00	0.007	O	|	|	|	0.04
73.750	0.00	0.00	0.007	O	|	|	|	0.04
73.833	0.00	0.00	0.007	O	|	|	|	0.04
73.917	0.00	0.00	0.007	O	|	|	|	0.04
74.000	0.00	0.00	0.007	O	|	|	|	0.04
74.083	0.00	0.00	0.007	O	|	|	|	0.04
74.167	0.00	0.00	0.007	O	|	|	|	0.04
74.250	0.00	0.00	0.007	O	|	|	|	0.04
74.333	0.00	0.00	0.007	O	|	|	|	0.03
74.417	0.00	0.00	0.007	O	|	|	|	0.03
74.500	0.00	0.00	0.007	O	|	|	|	0.03
74.583	0.00	0.00	0.007	O	|	|	|	0.03
74.667	0.00	0.00	0.007	O	|	|	|	0.03
74.750	0.00	0.00	0.007	O	|	|	|	0.03
74.833	0.00	0.00	0.007	O	|	|	|	0.03
74.917	0.00	0.00	0.007	O	|	|	|	0.03
75.000	0.00	0.00	0.007	O	|	|	|	0.03
75.083	0.00	0.00	0.007	O	|	|	|	0.03
75.167	0.00	0.00	0.007	O	|	|	|	0.03
75.250	0.00	0.00	0.007	O	|	|	|	0.03
75.333	0.00	0.00	0.007	O	|	|	|	0.03
75.417	0.00	0.00	0.007	O	|	|	|	0.03
75.500	0.00	0.00	0.007	O	|	|	|	0.03
75.583	0.00	0.00	0.007	O	|	|	|	0.03
75.667	0.00	0.00	0.007	O	|	|	|	0.03
75.750	0.00	0.00	0.007	O	|	|	|	0.03
75.833	0.00	0.00	0.007	O	|	|	|	0.03
75.917	0.00	0.00	0.007	O	|	|	|	0.03
76.000	0.00	0.00	0.006	O	|	|	|	0.03
76.083	0.00	0.00	0.006	O	|	|	|	0.03
76.167	0.00	0.00	0.006	O	|	|	|	0.03
76.250	0.00	0.00	0.006	O	|	|	|	0.03
76.333	0.00	0.00	0.006	O	|	|	|	0.03

76.417	0.00	0.00	0.006	O	|	|	|	|	0.03
76.500	0.00	0.00	0.006	O	|	|	|	|	0.03
76.583	0.00	0.00	0.006	O	|	|	|	|	0.03
76.667	0.00	0.00	0.006	O	|	|	|	|	0.03
76.750	0.00	0.00	0.006	O	|	|	|	|	0.03
76.833	0.00	0.00	0.006	O	|	|	|	|	0.03
76.917	0.00	0.00	0.006	O	|	|	|	|	0.03
77.000	0.00	0.00	0.006	O	|	|	|	|	0.03
77.083	0.00	0.00	0.006	O	|	|	|	|	0.03
77.167	0.00	0.00	0.006	O	|	|	|	|	0.03
77.250	0.00	0.00	0.006	O	|	|	|	|	0.03
77.333	0.00	0.00	0.006	O	|	|	|	|	0.03
77.417	0.00	0.00	0.006	O	|	|	|	|	0.03
77.500	0.00	0.00	0.006	O	|	|	|	|	0.03
77.583	0.00	0.00	0.006	O	|	|	|	|	0.03
77.667	0.00	0.00	0.006	O	|	|	|	|	0.03
77.750	0.00	0.00	0.006	O	|	|	|	|	0.03
77.833	0.00	0.00	0.006	O	|	|	|	|	0.03
77.917	0.00	0.00	0.006	O	|	|	|	|	0.03
78.000	0.00	0.00	0.006	O	|	|	|	|	0.03
78.083	0.00	0.00	0.006	O	|	|	|	|	0.03
78.167	0.00	0.00	0.006	O	|	|	|	|	0.03
78.250	0.00	0.00	0.006	O	|	|	|	|	0.03
78.333	0.00	0.00	0.006	O	|	|	|	|	0.03
78.417	0.00	0.00	0.006	O	|	|	|	|	0.03
78.500	0.00	0.00	0.006	O	|	|	|	|	0.03
78.583	0.00	0.00	0.006	O	|	|	|	|	0.03
78.667	0.00	0.00	0.006	O	|	|	|	|	0.03
78.750	0.00	0.00	0.006	O	|	|	|	|	0.03
78.833	0.00	0.00	0.006	O	|	|	|	|	0.03
78.917	0.00	0.00	0.006	O	|	|	|	|	0.03
79.000	0.00	0.00	0.006	O	|	|	|	|	0.03
79.083	0.00	0.00	0.006	O	|	|	|	|	0.03
79.167	0.00	0.00	0.005	O	|	|	|	|	0.03
79.250	0.00	0.00	0.005	O	|	|	|	|	0.03
79.333	0.00	0.00	0.005	O	|	|	|	|	0.03
79.417	0.00	0.00	0.005	O	|	|	|	|	0.03
79.500	0.00	0.00	0.005	O	|	|	|	|	0.03
79.583	0.00	0.00	0.005	O	|	|	|	|	0.03
79.667	0.00	0.00	0.005	O	|	|	|	|	0.03
79.750	0.00	0.00	0.005	O	|	|	|	|	0.03
79.833	0.00	0.00	0.005	O	|	|	|	|	0.03
79.917	0.00	0.00	0.005	O	|	|	|	|	0.03
80.000	0.00	0.00	0.005	O	|	|	|	|	0.03
80.083	0.00	0.00	0.005	O	|	|	|	|	0.03
80.167	0.00	0.00	0.005	O	|	|	|	|	0.03
80.250	0.00	0.00	0.005	O	|	|	|	|	0.03
80.333	0.00	0.00	0.005	O	|	|	|	|	0.03
80.417	0.00	0.00	0.005	O	|	|	|	|	0.03
80.500	0.00	0.00	0.005	O	|	|	|	|	0.03
80.583	0.00	0.00	0.005	O	|	|	|	|	0.03
80.667	0.00	0.00	0.005	O	|	|	|	|	0.02

80.750	0.00	0.00	0.005	O	|	|	|	0.02
80.833	0.00	0.00	0.005	O	|	|	|	0.02
80.917	0.00	0.00	0.005	O	|	|	|	0.02
81.000	0.00	0.00	0.005	O	|	|	|	0.02
81.083	0.00	0.00	0.005	O	|	|	|	0.02
81.167	0.00	0.00	0.005	O	|	|	|	0.02
81.250	0.00	0.00	0.005	O	|	|	|	0.02
81.333	0.00	0.00	0.005	O	|	|	|	0.02
81.417	0.00	0.00	0.005	O	|	|	|	0.02
81.500	0.00	0.00	0.005	O	|	|	|	0.02
81.583	0.00	0.00	0.005	O	|	|	|	0.02
81.667	0.00	0.00	0.005	O	|	|	|	0.02
81.750	0.00	0.00	0.005	O	|	|	|	0.02
81.833	0.00	0.00	0.005	O	|	|	|	0.02
81.917	0.00	0.00	0.005	O	|	|	|	0.02
82.000	0.00	0.00	0.005	O	|	|	|	0.02
82.083	0.00	0.00	0.005	O	|	|	|	0.02
82.167	0.00	0.00	0.005	O	|	|	|	0.02
82.250	0.00	0.00	0.005	O	|	|	|	0.02
82.333	0.00	0.00	0.005	O	|	|	|	0.02
82.417	0.00	0.00	0.005	O	|	|	|	0.02
82.500	0.00	0.00	0.005	O	|	|	|	0.02
82.583	0.00	0.00	0.005	O	|	|	|	0.02
82.667	0.00	0.00	0.005	O	|	|	|	0.02
82.750	0.00	0.00	0.005	O	|	|	|	0.02
82.833	0.00	0.00	0.005	O	|	|	|	0.02
82.917	0.00	0.00	0.004	O	|	|	|	0.02
83.000	0.00	0.00	0.004	O	|	|	|	0.02
83.083	0.00	0.00	0.004	O	|	|	|	0.02
83.167	0.00	0.00	0.004	O	|	|	|	0.02
83.250	0.00	0.00	0.004	O	|	|	|	0.02
83.333	0.00	0.00	0.004	O	|	|	|	0.02
83.417	0.00	0.00	0.004	O	|	|	|	0.02
83.500	0.00	0.00	0.004	O	|	|	|	0.02
83.583	0.00	0.00	0.004	O	|	|	|	0.02
83.667	0.00	0.00	0.004	O	|	|	|	0.02
83.750	0.00	0.00	0.004	O	|	|	|	0.02
83.833	0.00	0.00	0.004	O	|	|	|	0.02
83.917	0.00	0.00	0.004	O	|	|	|	0.02
84.000	0.00	0.00	0.004	O	|	|	|	0.02
84.083	0.00	0.00	0.004	O	|	|	|	0.02
84.167	0.00	0.00	0.004	O	|	|	|	0.02
84.250	0.00	0.00	0.004	O	|	|	|	0.02
84.333	0.00	0.00	0.004	O	|	|	|	0.02
84.417	0.00	0.00	0.004	O	|	|	|	0.02
84.500	0.00	0.00	0.004	O	|	|	|	0.02
84.583	0.00	0.00	0.004	O	|	|	|	0.02
84.667	0.00	0.00	0.004	O	|	|	|	0.02
84.750	0.00	0.00	0.004	O	|	|	|	0.02
84.833	0.00	0.00	0.004	O	|	|	|	0.02
84.917	0.00	0.00	0.004	O	|	|	|	0.02
85.000	0.00	0.00	0.004	O	|	|	|	0.02

85.083	0.00	0.00	0.004	O	|	|	|	0.02
85.167	0.00	0.00	0.004	O	|	|	|	0.02
85.250	0.00	0.00	0.004	O	|	|	|	0.02
85.333	0.00	0.00	0.004	O	|	|	|	0.02
85.417	0.00	0.00	0.004	O	|	|	|	0.02
85.500	0.00	0.00	0.004	O	|	|	|	0.02
85.583	0.00	0.00	0.004	O	|	|	|	0.02
85.667	0.00	0.00	0.004	O	|	|	|	0.02
85.750	0.00	0.00	0.004	O	|	|	|	0.02
85.833	0.00	0.00	0.004	O	|	|	|	0.02
85.917	0.00	0.00	0.004	O	|	|	|	0.02
86.000	0.00	0.00	0.004	O	|	|	|	0.02
86.083	0.00	0.00	0.004	O	|	|	|	0.02
86.167	0.00	0.00	0.004	O	|	|	|	0.02
86.250	0.00	0.00	0.004	O	|	|	|	0.02
86.333	0.00	0.00	0.004	O	|	|	|	0.02
86.417	0.00	0.00	0.004	O	|	|	|	0.02
86.500	0.00	0.00	0.004	O	|	|	|	0.02
86.583	0.00	0.00	0.004	O	|	|	|	0.02
86.667	0.00	0.00	0.004	O	|	|	|	0.02
86.750	0.00	0.00	0.004	O	|	|	|	0.02
86.833	0.00	0.00	0.004	O	|	|	|	0.02
86.917	0.00	0.00	0.004	O	|	|	|	0.02
87.000	0.00	0.00	0.004	O	|	|	|	0.02
87.083	0.00	0.00	0.004	O	|	|	|	0.02
87.167	0.00	0.00	0.004	O	|	|	|	0.02
87.250	0.00	0.00	0.004	O	|	|	|	0.02
87.333	0.00	0.00	0.004	O	|	|	|	0.02
87.417	0.00	0.00	0.004	O	|	|	|	0.02
87.500	0.00	0.00	0.004	O	|	|	|	0.02
87.583	0.00	0.00	0.004	O	|	|	|	0.02
87.667	0.00	0.00	0.003	O	|	|	|	0.02
87.750	0.00	0.00	0.003	O	|	|	|	0.02
87.833	0.00	0.00	0.003	O	|	|	|	0.02
87.917	0.00	0.00	0.003	O	|	|	|	0.02
88.000	0.00	0.00	0.003	O	|	|	|	0.02
88.083	0.00	0.00	0.003	O	|	|	|	0.02
88.167	0.00	0.00	0.003	O	|	|	|	0.02
88.250	0.00	0.00	0.003	O	|	|	|	0.02
88.333	0.00	0.00	0.003	O	|	|	|	0.02
88.417	0.00	0.00	0.003	O	|	|	|	0.02
88.500	0.00	0.00	0.003	O	|	|	|	0.02
88.583	0.00	0.00	0.003	O	|	|	|	0.02
88.667	0.00	0.00	0.003	O	|	|	|	0.02
88.750	0.00	0.00	0.003	O	|	|	|	0.02
88.833	0.00	0.00	0.003	O	|	|	|	0.02
88.917	0.00	0.00	0.003	O	|	|	|	0.02
89.000	0.00	0.00	0.003	O	|	|	|	0.02
89.083	0.00	0.00	0.003	O	|	|	|	0.02
89.167	0.00	0.00	0.003	O	|	|	|	0.02
89.250	0.00	0.00	0.003	O	|	|	|	0.02
89.333	0.00	0.00	0.003	O	|	|	|	0.02

89.417	0.00	0.00	0.003	O	|	|	|	|	0.02
89.500	0.00	0.00	0.003	O	|	|	|	|	0.02
89.583	0.00	0.00	0.003	O	|	|	|	|	0.02
89.667	0.00	0.00	0.003	O	|	|	|	|	0.02
89.750	0.00	0.00	0.003	O	|	|	|	|	0.02
89.833	0.00	0.00	0.003	O	|	|	|	|	0.02
89.917	0.00	0.00	0.003	O	|	|	|	|	0.02
90.000	0.00	0.00	0.003	O	|	|	|	|	0.02
90.083	0.00	0.00	0.003	O	|	|	|	|	0.02
90.167	0.00	0.00	0.003	O	|	|	|	|	0.02
90.250	0.00	0.00	0.003	O	|	|	|	|	0.02
90.333	0.00	0.00	0.003	O	|	|	|	|	0.01
90.417	0.00	0.00	0.003	O	|	|	|	|	0.01
90.500	0.00	0.00	0.003	O	|	|	|	|	0.01
90.583	0.00	0.00	0.003	O	|	|	|	|	0.01
90.667	0.00	0.00	0.003	O	|	|	|	|	0.01
90.750	0.00	0.00	0.003	O	|	|	|	|	0.01
90.833	0.00	0.00	0.003	O	|	|	|	|	0.01
90.917	0.00	0.00	0.003	O	|	|	|	|	0.01
91.000	0.00	0.00	0.003	O	|	|	|	|	0.01
91.083	0.00	0.00	0.003	O	|	|	|	|	0.01
91.167	0.00	0.00	0.003	O	|	|	|	|	0.01
91.250	0.00	0.00	0.003	O	|	|	|	|	0.01
91.333	0.00	0.00	0.003	O	|	|	|	|	0.01
91.417	0.00	0.00	0.003	O	|	|	|	|	0.01
91.500	0.00	0.00	0.003	O	|	|	|	|	0.01
91.583	0.00	0.00	0.003	O	|	|	|	|	0.01
91.667	0.00	0.00	0.003	O	|	|	|	|	0.01
91.750	0.00	0.00	0.003	O	|	|	|	|	0.01
91.833	0.00	0.00	0.003	O	|	|	|	|	0.01
91.917	0.00	0.00	0.003	O	|	|	|	|	0.01
92.000	0.00	0.00	0.003	O	|	|	|	|	0.01
92.083	0.00	0.00	0.003	O	|	|	|	|	0.01
92.167	0.00	0.00	0.003	O	|	|	|	|	0.01
92.250	0.00	0.00	0.003	O	|	|	|	|	0.01
92.333	0.00	0.00	0.003	O	|	|	|	|	0.01
92.417	0.00	0.00	0.003	O	|	|	|	|	0.01
92.500	0.00	0.00	0.003	O	|	|	|	|	0.01
92.583	0.00	0.00	0.003	O	|	|	|	|	0.01
92.667	0.00	0.00	0.003	O	|	|	|	|	0.01
92.750	0.00	0.00	0.003	O	|	|	|	|	0.01
92.833	0.00	0.00	0.003	O	|	|	|	|	0.01
92.917	0.00	0.00	0.003	O	|	|	|	|	0.01
93.000	0.00	0.00	0.003	O	|	|	|	|	0.01
93.083	0.00	0.00	0.003	O	|	|	|	|	0.01
93.167	0.00	0.00	0.003	O	|	|	|	|	0.01
93.250	0.00	0.00	0.003	O	|	|	|	|	0.01
93.333	0.00	0.00	0.003	O	|	|	|	|	0.01
93.417	0.00	0.00	0.003	O	|	|	|	|	0.01
93.500	0.00	0.00	0.003	O	|	|	|	|	0.01
93.583	0.00	0.00	0.003	O	|	|	|	|	0.01
93.667	0.00	0.00	0.003	O	|	|	|	|	0.01

93.750	0.00	0.00	0.003	O	|	|	|	0.01
93.833	0.00	0.00	0.003	O	|	|	|	0.01
93.917	0.00	0.00	0.003	O	|	|	|	0.01
94.000	0.00	0.00	0.003	O	|	|	|	0.01
94.083	0.00	0.00	0.002	O	|	|	|	0.01
94.167	0.00	0.00	0.002	O	|	|	|	0.01
94.250	0.00	0.00	0.002	O	|	|	|	0.01
94.333	0.00	0.00	0.002	O	|	|	|	0.01
94.417	0.00	0.00	0.002	O	|	|	|	0.01
94.500	0.00	0.00	0.002	O	|	|	|	0.01
94.583	0.00	0.00	0.002	O	|	|	|	0.01
94.667	0.00	0.00	0.002	O	|	|	|	0.01
94.750	0.00	0.00	0.002	O	|	|	|	0.01
94.833	0.00	0.00	0.002	O	|	|	|	0.01
94.917	0.00	0.00	0.002	O	|	|	|	0.01
95.000	0.00	0.00	0.002	O	|	|	|	0.01
95.083	0.00	0.00	0.002	O	|	|	|	0.01
95.167	0.00	0.00	0.002	O	|	|	|	0.01
95.250	0.00	0.00	0.002	O	|	|	|	0.01
95.333	0.00	0.00	0.002	O	|	|	|	0.01
95.417	0.00	0.00	0.002	O	|	|	|	0.01
95.500	0.00	0.00	0.002	O	|	|	|	0.01
95.583	0.00	0.00	0.002	O	|	|	|	0.01
95.667	0.00	0.00	0.002	O	|	|	|	0.01
95.750	0.00	0.00	0.002	O	|	|	|	0.01
95.833	0.00	0.00	0.002	O	|	|	|	0.01
95.917	0.00	0.00	0.002	O	|	|	|	0.01
96.000	0.00	0.00	0.002	O	|	|	|	0.01
96.083	0.00	0.00	0.002	O	|	|	|	0.01
96.167	0.00	0.00	0.002	O	|	|	|	0.01
96.250	0.00	0.00	0.002	O	|	|	|	0.01
96.333	0.00	0.00	0.002	O	|	|	|	0.01
96.417	0.00	0.00	0.002	O	|	|	|	0.01
96.500	0.00	0.00	0.002	O	|	|	|	0.01
96.583	0.00	0.00	0.002	O	|	|	|	0.01
96.667	0.00	0.00	0.002	O	|	|	|	0.01
96.750	0.00	0.00	0.002	O	|	|	|	0.01
96.833	0.00	0.00	0.002	O	|	|	|	0.01
96.917	0.00	0.00	0.002	O	|	|	|	0.01
97.000	0.00	0.00	0.002	O	|	|	|	0.01
97.083	0.00	0.00	0.002	O	|	|	|	0.01
97.167	0.00	0.00	0.002	O	|	|	|	0.01
97.250	0.00	0.00	0.002	O	|	|	|	0.01
97.333	0.00	0.00	0.002	O	|	|	|	0.01
97.417	0.00	0.00	0.002	O	|	|	|	0.01
97.500	0.00	0.00	0.002	O	|	|	|	0.01
97.583	0.00	0.00	0.002	O	|	|	|	0.01
97.667	0.00	0.00	0.002	O	|	|	|	0.01
97.750	0.00	0.00	0.002	O	|	|	|	0.01
97.833	0.00	0.00	0.002	O	|	|	|	0.01
97.917	0.00	0.00	0.002	O	|	|	|	0.01
98.000	0.00	0.00	0.002	O	|	|	|	0.01

98.083	0.00	0.00	0.002	O	|	|	|	0.01
98.167	0.00	0.00	0.002	O	|	|	|	0.01
98.250	0.00	0.00	0.002	O	|	|	|	0.01
98.333	0.00	0.00	0.002	O	|	|	|	0.01
98.417	0.00	0.00	0.002	O	|	|	|	0.01
98.500	0.00	0.00	0.002	O	|	|	|	0.01
98.583	0.00	0.00	0.002	O	|	|	|	0.01
98.667	0.00	0.00	0.002	O	|	|	|	0.01
98.750	0.00	0.00	0.002	O	|	|	|	0.01
98.833	0.00	0.00	0.002	O	|	|	|	0.01
98.917	0.00	0.00	0.002	O	|	|	|	0.01
99.000	0.00	0.00	0.002	O	|	|	|	0.01
99.083	0.00	0.00	0.002	O	|	|	|	0.01
99.167	0.00	0.00	0.002	O	|	|	|	0.01
99.250	0.00	0.00	0.002	O	|	|	|	0.01
99.333	0.00	0.00	0.002	O	|	|	|	0.01
99.417	0.00	0.00	0.002	O	|	|	|	0.01
99.500	0.00	0.00	0.002	O	|	|	|	0.01
99.583	0.00	0.00	0.002	O	|	|	|	0.01
99.667	0.00	0.00	0.002	O	|	|	|	0.01
99.750	0.00	0.00	0.002	O	|	|	|	0.01
99.833	0.00	0.00	0.002	O	|	|	|	0.01
99.917	0.00	0.00	0.002	O	|	|	|	0.01
100.000	0.00	0.00	0.002	O	|	|	|	0.01
100.083	0.00	0.00	0.002	O	|	|	|	0.01
100.167	0.00	0.00	0.002	O	|	|	|	0.01
100.250	0.00	0.00	0.002	O	|	|	|	0.01
100.333	0.00	0.00	0.002	O	|	|	|	0.01
100.417	0.00	0.00	0.002	O	|	|	|	0.01
100.500	0.00	0.00	0.002	O	|	|	|	0.01
100.583	0.00	0.00	0.002	O	|	|	|	0.01
100.667	0.00	0.00	0.002	O	|	|	|	0.01
100.750	0.00	0.00	0.002	O	|	|	|	0.01
100.833	0.00	0.00	0.002	O	|	|	|	0.01
100.917	0.00	0.00	0.002	O	|	|	|	0.01
101.000	0.00	0.00	0.002	O	|	|	|	0.01
101.083	0.00	0.00	0.002	O	|	|	|	0.01
101.167	0.00	0.00	0.002	O	|	|	|	0.01
101.250	0.00	0.00	0.002	O	|	|	|	0.01
101.333	0.00	0.00	0.002	O	|	|	|	0.01
101.417	0.00	0.00	0.002	O	|	|	|	0.01
101.500	0.00	0.00	0.002	O	|	|	|	0.01
101.583	0.00	0.00	0.002	O	|	|	|	0.01
101.667	0.00	0.00	0.002	O	|	|	|	0.01
101.750	0.00	0.00	0.002	O	|	|	|	0.01
101.833	0.00	0.00	0.002	O	|	|	|	0.01
101.917	0.00	0.00	0.002	O	|	|	|	0.01
102.000	0.00	0.00	0.002	O	|	|	|	0.01
102.083	0.00	0.00	0.002	O	|	|	|	0.01
102.167	0.00	0.00	0.002	O	|	|	|	0.01
102.250	0.00	0.00	0.002	O	|	|	|	0.01
102.333	0.00	0.00	0.002	O	|	|	|	0.01

```
102.417    0.00    0.00      0.002  O       |       |       |       |     0.01
102.500    0.00    0.00      0.002  O       |       |       |       |     0.01
102.583    0.00    0.00      0.002  O       |       |       |       |     0.01
102.667    0.00    0.00      0.002  O       |       |       |       |     0.01
102.750    0.00    0.00      0.002  O       |       |       |       |     0.01
102.833    0.00    0.00      0.002  O       |       |       |       |     0.01
102.917    0.00    0.00      0.002  O       |       |       |       |     0.01

        ****************************HYDROGRAPH DATA****************************
                        Number of intervals =  1235
                        Time interval =    5.0 (Min.)
                        Maximum/Peak flow rate =        5.169 (CFS)
                        Total volume =       1.151 (Ac.Ft)
                Status of hydrographs being held in storage
                            Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
                Peak (CFS)      0.000     0.000     0.000     0.000     0.000
                Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
        ***********************************************************************

        ---------------------------------------------------------------------
```

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2022
Study date: 09/12/23

ACACIA POINTE
BASIN ROUTING ANALYSIS
INFILTRATION BASIN "A"
100-YEAR, 6-HOUR

Program License Serial Number 6545

********** HYDROGRAPH INFORMATION **********

From study/file name: ADEV6100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 76
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 9.897 (CFS)
Total volume = 1.137 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****
_____

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 76
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 1.10(Ft.)

Initial basin depth = 1.10 (Ft.)
Initial basin storage = 0.23 (Ac.Ft)
Initial basin outflow = 0.23 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.203	0.130	0.203	0.203
2.000	0.457	1.140	0.453	0.461
3.000	0.763	5.180	0.745	0.781
4.000	1.123	20.390	1.053	1.193
5.000	1.541	41.860	1.397	1.685
6.000	2.019	68.080	1.785	2.253
7.000	2.556	98.300	2.218	2.894

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 2.5 4.95 7.42 9.90	Depth (Ft.)
0.083	0.27	0.23	0.227	O | | | |	1.09
0.167	0.63	0.23	0.228	O I | | | |	1.10
0.250	0.76	0.24	0.232	O I | | | |	1.11
0.333	0.80	0.26	0.235	O I | | | |	1.13
0.417	0.82	0.27	0.239	O I | | | |	1.14
0.500	0.88	0.29	0.243	O I | | | |	1.16
0.583	0.94	0.31	0.247	O I | | | |	1.17
0.667	0.95	0.32	0.252	|O I | | | |	1.19
0.750	0.96	0.34	0.256	|O I | | | |	1.21
0.833	0.96	0.36	0.260	|O I | | | |	1.22
0.917	0.96	0.37	0.264	|O I | | | |	1.24
1.000	1.01	0.39	0.268	|O I | | | |	1.26
1.083	1.08	0.41	0.273	|O I | | | |	1.27
1.167	1.09	0.43	0.277	|O I | | | |	1.29
1.250	1.09	0.44	0.282	|O I | | | |	1.31
1.333	1.10	0.46	0.286	|O I | | | |	1.33
1.417	1.10	0.48	0.291	|O I | | | |	1.34
1.500	1.10	0.49	0.295	|O I | | | |	1.36
1.583	1.10	0.51	0.299	|O I | | | |	1.38
1.667	1.10	0.53	0.303	|O I | | | |	1.39
1.750	1.10	0.54	0.307	|O I | | | |	1.41
1.833	1.10	0.56	0.310	|O I | | | |	1.42
1.917	1.10	0.57	0.314	|O I | | | |	1.44
2.000	1.15	0.59	0.318	|O I | | | |	1.45
2.083	1.16	0.60	0.322	|O I | | | |	1.47
2.167	1.16	0.62	0.326	|O I | | | |	1.48
2.250	1.22	0.63	0.329	| OI | | | |	1.50
2.333	1.23	0.65	0.333	| OI | | | |	1.51
2.417	1.23	0.66	0.337	| OI | | | |	1.53
2.500	1.23	0.68	0.341	| OI | | | |	1.54
2.583	1.23	0.69	0.345	| OI | | | |	1.56
2.667	1.23	0.71	0.349	| OI | | | |	1.57

2.750	1.29	0.72	0.352	O I				1.59
2.833	1.35	0.74	0.357	O I				1.60
2.917	1.36	0.76	0.361	O I				1.62
3.000	1.37	0.77	0.365	O I				1.64
3.083	1.37	0.79	0.369	O I				1.65
3.167	1.43	0.81	0.373	O I				1.67
3.250	1.49	0.82	0.377	O I				1.69
3.333	1.50	0.84	0.382	O I				1.70
3.417	1.59	0.86	0.387	O I				1.72
3.500	1.78	0.88	0.392	O I				1.75
3.583	1.98	0.91	0.399	O I				1.77
3.667	2.11	0.94	0.407	O I				1.80
3.750	2.23	0.97	0.415	O I				1.84
3.833	2.34	1.01	0.424	O I				1.87
3.917	2.45	1.05	0.433	O I				1.91
4.000	2.56	1.09	0.443	O I				1.95
4.083	2.67	1.13	0.454	O I				1.99
4.167	2.86	1.24	0.465	O I				2.02
4.250	3.07	1.39	0.476	O I				2.06
4.333	3.28	1.55	0.488	O I				2.10
4.417	3.50	1.71	0.500	O I				2.14
4.500	3.63	1.87	0.512	O I				2.18
4.583	3.75	2.03	0.524	O I				2.22
4.667	3.95	2.19	0.536	O I				2.26
4.750	4.16	2.35	0.549	O I				2.30
4.833	4.29	2.51	0.561	O I				2.34
4.917	4.41	2.67	0.573	O I				2.38
5.000	4.60	2.83	0.585	O I				2.42
5.083	5.16	3.01	0.599	O I				2.46
5.167	6.10	3.24	0.616	O I				2.52
5.250	6.97	3.52	0.638	O I				2.59
5.333	7.67	3.85	0.663	O I				2.67
5.417	8.52	4.22	0.691	O I				2.76
5.500	9.90	4.66	0.723	O I				2.87
5.583	7.75	5.02	0.751	O I				2.96
5.667	3.58	5.08	0.755	O I				2.97
5.750	1.83	4.87	0.739	I O				2.92
5.833	1.11	4.57	0.717	I O				2.85
5.917	0.66	4.25	0.693	I O				2.77
6.000	0.42	3.93	0.668	I O				2.69
6.083	0.21	3.62	0.644	I O				2.61
6.167	0.06	3.31	0.622	I O				2.54
6.250	0.02	3.03	0.600	I O				2.47
6.333	0.01	2.77	0.580	I O				2.40
6.417	0.00	2.53	0.562	I O				2.34
6.500	0.00	2.31	0.545	I O				2.29
6.583	0.00	2.10	0.530	I O				2.24
6.667	0.00	1.92	0.516	I O				2.19
6.750	0.00	1.75	0.504	I O				2.15
6.833	0.00	1.60	0.492	I O				2.11
6.917	0.00	1.46	0.481	I O				2.08
7.000	0.00	1.34	0.472	I O				2.05

7.083	0.00	1.22	0.463	I O	|	|	|	2.02
7.167	0.00	1.13	0.455	I O	|	|	|	1.99
7.250	0.00	1.10	0.447	I O	|	|	|	1.96
7.333	0.00	1.07	0.440	I O	|	|	|	1.93
7.417	0.00	1.04	0.432	I O	|	|	|	1.90
7.500	0.00	1.01	0.425	I O	|	|	|	1.88
7.583	0.00	0.99	0.418	I O	|	|	|	1.85
7.667	0.00	0.96	0.412	I O	|	|	|	1.82
7.750	0.00	0.93	0.405	I O	|	|	|	1.80
7.833	0.00	0.91	0.399	I O	|	|	|	1.77
7.917	0.00	0.88	0.393	I O	|	|	|	1.75
8.000	0.00	0.86	0.387	I O	|	|	|	1.72
8.083	0.00	0.84	0.381	I O	|	|	|	1.70
8.167	0.00	0.81	0.375	I O	|	|	|	1.68
8.250	0.00	0.79	0.370	I O	|	|	|	1.66
8.333	0.00	0.77	0.364	I O	|	|	|	1.63
8.417	0.00	0.75	0.359	I O	|	|	|	1.61
8.500	0.00	0.73	0.354	I O	|	|	|	1.59
8.583	0.00	0.71	0.349	I O	|	|	|	1.57
8.667	0.00	0.69	0.344	I O	|	|	|	1.56
8.750	0.00	0.67	0.339	I O	|	|	|	1.54
8.833	0.00	0.65	0.335	I O	|	|	|	1.52
8.917	0.00	0.64	0.330	I O	|	|	|	1.50
9.000	0.00	0.62	0.326	I O	|	|	|	1.48
9.083	0.00	0.60	0.322	IO	|	|	|	1.47
9.167	0.00	0.59	0.318	IO	|	|	|	1.45
9.250	0.00	0.57	0.314	IO	|	|	|	1.44
9.333	0.00	0.56	0.310	IO	|	|	|	1.42
9.417	0.00	0.54	0.306	IO	|	|	|	1.41
9.500	0.00	0.53	0.303	IO	|	|	|	1.39
9.583	0.00	0.51	0.299	IO	|	|	|	1.38
9.667	0.00	0.50	0.295	IO	|	|	|	1.36
9.750	0.00	0.48	0.292	IO	|	|	|	1.35
9.833	0.00	0.47	0.289	IO	|	|	|	1.34
9.917	0.00	0.46	0.286	IO	|	|	|	1.33
10.000	0.00	0.45	0.282	IO	|	|	|	1.31
10.083	0.00	0.43	0.279	IO	|	|	|	1.30
10.167	0.00	0.42	0.276	IO	|	|	|	1.29
10.250	0.00	0.41	0.274	IO	|	|	|	1.28
10.333	0.00	0.40	0.271	IO	|	|	|	1.27
10.417	0.00	0.39	0.268	IO	|	|	|	1.26
10.500	0.00	0.38	0.265	IO	|	|	|	1.25
10.583	0.00	0.37	0.263	IO	|	|	|	1.24
10.667	0.00	0.36	0.260	IO	|	|	|	1.23
10.750	0.00	0.35	0.258	IO	|	|	|	1.22
10.833	0.00	0.34	0.256	IO	|	|	|	1.21
10.917	0.00	0.33	0.253	IO	|	|	|	1.20
11.000	0.00	0.32	0.251	IO	|	|	|	1.19
11.083	0.00	0.31	0.249	IO	|	|	|	1.18
11.167	0.00	0.30	0.247	O	|	|	|	1.17
11.250	0.00	0.30	0.245	O	|	|	|	1.16
11.333	0.00	0.29	0.243	O	|	|	|	1.16

11.417	0.00	0.28	0.241	O	|	|	|	1.15
11.500	0.00	0.27	0.239	O	|	|	|	1.14
11.583	0.00	0.27	0.237	O	|	|	|	1.13
11.667	0.00	0.26	0.235	O	|	|	|	1.13
11.750	0.00	0.25	0.233	O	|	|	|	1.12
11.833	0.00	0.24	0.232	O	|	|	|	1.11
11.917	0.00	0.24	0.230	O	|	|	|	1.11
12.000	0.00	0.23	0.228	O	|	|	|	1.10
12.083	0.00	0.22	0.227	O	|	|	|	1.09
12.167	0.00	0.22	0.225	O	|	|	|	1.09
12.250	0.00	0.21	0.224	O	|	|	|	1.08
12.333	0.00	0.21	0.222	O	|	|	|	1.08
12.417	0.00	0.20	0.221	O	|	|	|	1.07
12.500	0.00	0.20	0.220	O	|	|	|	1.07
12.583	0.00	0.19	0.218	O	|	|	|	1.06
12.667	0.00	0.19	0.217	O	|	|	|	1.06
12.750	0.00	0.18	0.216	O	|	|	|	1.05
12.833	0.00	0.18	0.215	O	|	|	|	1.05
12.917	0.00	0.17	0.213	O	|	|	|	1.04
13.000	0.00	0.17	0.212	O	|	|	|	1.04
13.083	0.00	0.16	0.211	O	|	|	|	1.03
13.167	0.00	0.16	0.210	O	|	|	|	1.03
13.250	0.00	0.15	0.209	O	|	|	|	1.02
13.333	0.00	0.15	0.208	O	|	|	|	1.02
13.417	0.00	0.15	0.207	O	|	|	|	1.01
13.500	0.00	0.14	0.206	O	|	|	|	1.01
13.583	0.00	0.14	0.205	O	|	|	|	1.01
13.667	0.00	0.13	0.204	O	|	|	|	1.00
13.750	0.00	0.13	0.203	O	|	|	|	1.00
13.833	0.00	0.13	0.202	O	|	|	|	1.00
13.917	0.00	0.13	0.201	O	|	|	|	0.99
14.000	0.00	0.13	0.200	O	|	|	|	0.99
14.083	0.00	0.13	0.199	O	|	|	|	0.98
14.167	0.00	0.13	0.199	O	|	|	|	0.98
14.250	0.00	0.13	0.198	O	|	|	|	0.97
14.333	0.00	0.13	0.197	O	|	|	|	0.97
14.417	0.00	0.13	0.196	O	|	|	|	0.97
14.500	0.00	0.12	0.195	O	|	|	|	0.96
14.583	0.00	0.12	0.194	O	|	|	|	0.96
14.667	0.00	0.12	0.193	O	|	|	|	0.95
14.750	0.00	0.12	0.193	O	|	|	|	0.95
14.833	0.00	0.12	0.192	O	|	|	|	0.94
14.917	0.00	0.12	0.191	O	|	|	|	0.94
15.000	0.00	0.12	0.190	O	|	|	|	0.94
15.083	0.00	0.12	0.189	O	|	|	|	0.93
15.167	0.00	0.12	0.188	O	|	|	|	0.93
15.250	0.00	0.12	0.188	O	|	|	|	0.92
15.333	0.00	0.12	0.187	O	|	|	|	0.92
15.417	0.00	0.12	0.186	O	|	|	|	0.92
15.500	0.00	0.12	0.185	O	|	|	|	0.91
15.583	0.00	0.12	0.184	O	|	|	|	0.91
15.667	0.00	0.12	0.183	O	|	|	|	0.90

15.750	0.00	0.12	0.183	O	|	|	|	0.90
15.833	0.00	0.12	0.182	O	|	|	|	0.90
15.917	0.00	0.12	0.181	O	|	|	|	0.89
16.000	0.00	0.12	0.180	O	|	|	|	0.89
16.083	0.00	0.11	0.179	O	|	|	|	0.88
16.167	0.00	0.11	0.179	O	|	|	|	0.88
16.250	0.00	0.11	0.178	O	|	|	|	0.88
16.333	0.00	0.11	0.177	O	|	|	|	0.87
16.417	0.00	0.11	0.176	O	|	|	|	0.87
16.500	0.00	0.11	0.176	O	|	|	|	0.86
16.583	0.00	0.11	0.175	O	|	|	|	0.86
16.667	0.00	0.11	0.174	O	|	|	|	0.86
16.750	0.00	0.11	0.173	O	|	|	|	0.85
16.833	0.00	0.11	0.172	O	|	|	|	0.85
16.917	0.00	0.11	0.172	O	|	|	|	0.85
17.000	0.00	0.11	0.171	O	|	|	|	0.84
17.083	0.00	0.11	0.170	O	|	|	|	0.84
17.167	0.00	0.11	0.169	O	|	|	|	0.83
17.250	0.00	0.11	0.169	O	|	|	|	0.83
17.333	0.00	0.11	0.168	O	|	|	|	0.83
17.417	0.00	0.11	0.167	O	|	|	|	0.82
17.500	0.00	0.11	0.166	O	|	|	|	0.82
17.583	0.00	0.11	0.166	O	|	|	|	0.82
17.667	0.00	0.11	0.165	O	|	|	|	0.81
17.750	0.00	0.11	0.164	O	|	|	|	0.81
17.833	0.00	0.10	0.164	O	|	|	|	0.81
17.917	0.00	0.10	0.163	O	|	|	|	0.80
18.000	0.00	0.10	0.162	O	|	|	|	0.80
18.083	0.00	0.10	0.161	O	|	|	|	0.80
18.167	0.00	0.10	0.161	O	|	|	|	0.79
18.250	0.00	0.10	0.160	O	|	|	|	0.79
18.333	0.00	0.10	0.159	O	|	|	|	0.78
18.417	0.00	0.10	0.159	O	|	|	|	0.78
18.500	0.00	0.10	0.158	O	|	|	|	0.78
18.583	0.00	0.10	0.157	O	|	|	|	0.77
18.667	0.00	0.10	0.156	O	|	|	|	0.77
18.750	0.00	0.10	0.156	O	|	|	|	0.77
18.833	0.00	0.10	0.155	O	|	|	|	0.76
18.917	0.00	0.10	0.154	O	|	|	|	0.76
19.000	0.00	0.10	0.154	O	|	|	|	0.76
19.083	0.00	0.10	0.153	O	|	|	|	0.75
19.167	0.00	0.10	0.152	O	|	|	|	0.75
19.250	0.00	0.10	0.152	O	|	|	|	0.75
19.333	0.00	0.10	0.151	O	|	|	|	0.74
19.417	0.00	0.10	0.150	O	|	|	|	0.74
19.500	0.00	0.10	0.150	O	|	|	|	0.74
19.583	0.00	0.10	0.149	O	|	|	|	0.73
19.667	0.00	0.10	0.148	O	|	|	|	0.73
19.750	0.00	0.09	0.148	O	|	|	|	0.73
19.833	0.00	0.09	0.147	O	|	|	|	0.72
19.917	0.00	0.09	0.146	O	|	|	|	0.72
20.000	0.00	0.09	0.146	O	|	|	|	0.72

20.083	0.00	0.09	0.145	O	|	|	|	|	0.72
20.167	0.00	0.09	0.145	O	|	|	|	|	0.71
20.250	0.00	0.09	0.144	O	|	|	|	|	0.71
20.333	0.00	0.09	0.143	O	|	|	|	|	0.71
20.417	0.00	0.09	0.143	O	|	|	|	|	0.70
20.500	0.00	0.09	0.142	O	|	|	|	|	0.70
20.583	0.00	0.09	0.141	O	|	|	|	|	0.70
20.667	0.00	0.09	0.141	O	|	|	|	|	0.69
20.750	0.00	0.09	0.140	O	|	|	|	|	0.69
20.833	0.00	0.09	0.140	O	|	|	|	|	0.69
20.917	0.00	0.09	0.139	O	|	|	|	|	0.68
21.000	0.00	0.09	0.138	O	|	|	|	|	0.68
21.083	0.00	0.09	0.138	O	|	|	|	|	0.68
21.167	0.00	0.09	0.137	O	|	|	|	|	0.68
21.250	0.00	0.09	0.137	O	|	|	|	|	0.67
21.333	0.00	0.09	0.136	O	|	|	|	|	0.67
21.417	0.00	0.09	0.135	O	|	|	|	|	0.67
21.500	0.00	0.09	0.135	O	|	|	|	|	0.66
21.583	0.00	0.09	0.134	O	|	|	|	|	0.66
21.667	0.00	0.09	0.134	O	|	|	|	|	0.66
21.750	0.00	0.09	0.133	O	|	|	|	|	0.65
21.833	0.00	0.08	0.132	O	|	|	|	|	0.65
21.917	0.00	0.08	0.132	O	|	|	|	|	0.65
22.000	0.00	0.08	0.131	O	|	|	|	|	0.65
22.083	0.00	0.08	0.131	O	|	|	|	|	0.64
22.167	0.00	0.08	0.130	O	|	|	|	|	0.64
22.250	0.00	0.08	0.129	O	|	|	|	|	0.64
22.333	0.00	0.08	0.129	O	|	|	|	|	0.63
22.417	0.00	0.08	0.128	O	|	|	|	|	0.63
22.500	0.00	0.08	0.128	O	|	|	|	|	0.63
22.583	0.00	0.08	0.127	O	|	|	|	|	0.63
22.667	0.00	0.08	0.127	O	|	|	|	|	0.62
22.750	0.00	0.08	0.126	O	|	|	|	|	0.62
22.833	0.00	0.08	0.126	O	|	|	|	|	0.62
22.917	0.00	0.08	0.125	O	|	|	|	|	0.62
23.000	0.00	0.08	0.124	O	|	|	|	|	0.61
23.083	0.00	0.08	0.124	O	|	|	|	|	0.61
23.167	0.00	0.08	0.123	O	|	|	|	|	0.61
23.250	0.00	0.08	0.123	O	|	|	|	|	0.60
23.333	0.00	0.08	0.122	O	|	|	|	|	0.60
23.417	0.00	0.08	0.122	O	|	|	|	|	0.60
23.500	0.00	0.08	0.121	O	|	|	|	|	0.60
23.583	0.00	0.08	0.121	O	|	|	|	|	0.59
23.667	0.00	0.08	0.120	O	|	|	|	|	0.59
23.750	0.00	0.08	0.120	O	|	|	|	|	0.59
23.833	0.00	0.08	0.119	O	|	|	|	|	0.59
23.917	0.00	0.08	0.119	O	|	|	|	|	0.58
24.000	0.00	0.08	0.118	O	|	|	|	|	0.58
24.083	0.00	0.08	0.117	O	|	|	|	|	0.58
24.167	0.00	0.07	0.117	O	|	|	|	|	0.58
24.250	0.00	0.07	0.116	O	|	|	|	|	0.57
24.333	0.00	0.07	0.116	O	|	|	|	|	0.57

24.417	0.00	0.07	0.115	O	|	|	|	0.57
24.500	0.00	0.07	0.115	O	|	|	|	0.57
24.583	0.00	0.07	0.114	O	|	|	|	0.56
24.667	0.00	0.07	0.114	O	|	|	|	0.56
24.750	0.00	0.07	0.113	O	|	|	|	0.56
24.833	0.00	0.07	0.113	O	|	|	|	0.56
24.917	0.00	0.07	0.112	O	|	|	|	0.55
25.000	0.00	0.07	0.112	O	|	|	|	0.55
25.083	0.00	0.07	0.111	O	|	|	|	0.55
25.167	0.00	0.07	0.111	O	|	|	|	0.55
25.250	0.00	0.07	0.110	O	|	|	|	0.54
25.333	0.00	0.07	0.110	O	|	|	|	0.54
25.417	0.00	0.07	0.109	O	|	|	|	0.54
25.500	0.00	0.07	0.109	O	|	|	|	0.54
25.583	0.00	0.07	0.109	O	|	|	|	0.53
25.667	0.00	0.07	0.108	O	|	|	|	0.53
25.750	0.00	0.07	0.108	O	|	|	|	0.53
25.833	0.00	0.07	0.107	O	|	|	|	0.53
25.917	0.00	0.07	0.107	O	|	|	|	0.53
26.000	0.00	0.07	0.106	O	|	|	|	0.52
26.083	0.00	0.07	0.106	O	|	|	|	0.52
26.167	0.00	0.07	0.105	O	|	|	|	0.52
26.250	0.00	0.07	0.105	O	|	|	|	0.52
26.333	0.00	0.07	0.104	O	|	|	|	0.51
26.417	0.00	0.07	0.104	O	|	|	|	0.51
26.500	0.00	0.07	0.103	O	|	|	|	0.51
26.583	0.00	0.07	0.103	O	|	|	|	0.51
26.667	0.00	0.07	0.102	O	|	|	|	0.50
26.750	0.00	0.07	0.102	O	|	|	|	0.50
26.833	0.00	0.07	0.102	O	|	|	|	0.50
26.917	0.00	0.06	0.101	O	|	|	|	0.50
27.000	0.00	0.06	0.101	O	|	|	|	0.50
27.083	0.00	0.06	0.100	O	|	|	|	0.49
27.167	0.00	0.06	0.100	O	|	|	|	0.49
27.250	0.00	0.06	0.099	O	|	|	|	0.49
27.333	0.00	0.06	0.099	O	|	|	|	0.49
27.417	0.00	0.06	0.098	O	|	|	|	0.49
27.500	0.00	0.06	0.098	O	|	|	|	0.48
27.583	0.00	0.06	0.098	O	|	|	|	0.48
27.667	0.00	0.06	0.097	O	|	|	|	0.48
27.750	0.00	0.06	0.097	O	|	|	|	0.48
27.833	0.00	0.06	0.096	O	|	|	|	0.47
27.917	0.00	0.06	0.096	O	|	|	|	0.47
28.000	0.00	0.06	0.095	O	|	|	|	0.47
28.083	0.00	0.06	0.095	O	|	|	|	0.47
28.167	0.00	0.06	0.095	O	|	|	|	0.47
28.250	0.00	0.06	0.094	O	|	|	|	0.46
28.333	0.00	0.06	0.094	O	|	|	|	0.46
28.417	0.00	0.06	0.093	O	|	|	|	0.46
28.500	0.00	0.06	0.093	O	|	|	|	0.46
28.583	0.00	0.06	0.093	O	|	|	|	0.46
28.667	0.00	0.06	0.092	O	|	|	|	0.45

28.750	0.00	0.06	0.092	O	|	|	|	0.45
28.833	0.00	0.06	0.091	O	|	|	|	0.45
28.917	0.00	0.06	0.091	O	|	|	|	0.45
29.000	0.00	0.06	0.091	O	|	|	|	0.45
29.083	0.00	0.06	0.090	O	|	|	|	0.44
29.167	0.00	0.06	0.090	O	|	|	|	0.44
29.250	0.00	0.06	0.089	O	|	|	|	0.44
29.333	0.00	0.06	0.089	O	|	|	|	0.44
29.417	0.00	0.06	0.089	O	|	|	|	0.44
29.500	0.00	0.06	0.088	O	|	|	|	0.43
29.583	0.00	0.06	0.088	O	|	|	|	0.43
29.667	0.00	0.06	0.087	O	|	|	|	0.43
29.750	0.00	0.06	0.087	O	|	|	|	0.43
29.833	0.00	0.06	0.087	O	|	|	|	0.43
29.917	0.00	0.06	0.086	O	|	|	|	0.43
30.000	0.00	0.06	0.086	O	|	|	|	0.42
30.083	0.00	0.05	0.086	O	|	|	|	0.42
30.167	0.00	0.05	0.085	O	|	|	|	0.42
30.250	0.00	0.05	0.085	O	|	|	|	0.42
30.333	0.00	0.05	0.084	O	|	|	|	0.42
30.417	0.00	0.05	0.084	O	|	|	|	0.41
30.500	0.00	0.05	0.084	O	|	|	|	0.41
30.583	0.00	0.05	0.083	O	|	|	|	0.41
30.667	0.00	0.05	0.083	O	|	|	|	0.41
30.750	0.00	0.05	0.083	O	|	|	|	0.41
30.833	0.00	0.05	0.082	O	|	|	|	0.40
30.917	0.00	0.05	0.082	O	|	|	|	0.40
31.000	0.00	0.05	0.081	O	|	|	|	0.40
31.083	0.00	0.05	0.081	O	|	|	|	0.40
31.167	0.00	0.05	0.081	O	|	|	|	0.40
31.250	0.00	0.05	0.080	O	|	|	|	0.40
31.333	0.00	0.05	0.080	O	|	|	|	0.39
31.417	0.00	0.05	0.080	O	|	|	|	0.39
31.500	0.00	0.05	0.079	O	|	|	|	0.39
31.583	0.00	0.05	0.079	O	|	|	|	0.39
31.667	0.00	0.05	0.079	O	|	|	|	0.39
31.750	0.00	0.05	0.078	O	|	|	|	0.39
31.833	0.00	0.05	0.078	O	|	|	|	0.38
31.917	0.00	0.05	0.078	O	|	|	|	0.38
32.000	0.00	0.05	0.077	O	|	|	|	0.38
32.083	0.00	0.05	0.077	O	|	|	|	0.38
32.167	0.00	0.05	0.077	O	|	|	|	0.38
32.250	0.00	0.05	0.076	O	|	|	|	0.38
32.333	0.00	0.05	0.076	O	|	|	|	0.37
32.417	0.00	0.05	0.076	O	|	|	|	0.37
32.500	0.00	0.05	0.075	O	|	|	|	0.37
32.583	0.00	0.05	0.075	O	|	|	|	0.37
32.667	0.00	0.05	0.075	O	|	|	|	0.37
32.750	0.00	0.05	0.074	O	|	|	|	0.37
32.833	0.00	0.05	0.074	O	|	|	|	0.36
32.917	0.00	0.05	0.074	O	|	|	|	0.36
33.000	0.00	0.05	0.073	O	|	|	|	0.36

33.083	0.00	0.05	0.073	O	|	|	|	0.36
33.167	0.00	0.05	0.073	O	|	|	|	0.36
33.250	0.00	0.05	0.072	O	|	|	|	0.36
33.333	0.00	0.05	0.072	O	|	|	|	0.35
33.417	0.00	0.05	0.072	O	|	|	|	0.35
33.500	0.00	0.05	0.071	O	|	|	|	0.35
33.583	0.00	0.05	0.071	O	|	|	|	0.35
33.667	0.00	0.05	0.071	O	|	|	|	0.35
33.750	0.00	0.05	0.070	O	|	|	|	0.35
33.833	0.00	0.04	0.070	O	|	|	|	0.35
33.917	0.00	0.04	0.070	O	|	|	|	0.34
34.000	0.00	0.04	0.070	O	|	|	|	0.34
34.083	0.00	0.04	0.069	O	|	|	|	0.34
34.167	0.00	0.04	0.069	O	|	|	|	0.34
34.250	0.00	0.04	0.069	O	|	|	|	0.34
34.333	0.00	0.04	0.068	O	|	|	|	0.34
34.417	0.00	0.04	0.068	O	|	|	|	0.33
34.500	0.00	0.04	0.068	O	|	|	|	0.33
34.583	0.00	0.04	0.067	O	|	|	|	0.33
34.667	0.00	0.04	0.067	O	|	|	|	0.33
34.750	0.00	0.04	0.067	O	|	|	|	0.33
34.833	0.00	0.04	0.067	O	|	|	|	0.33
34.917	0.00	0.04	0.066	O	|	|	|	0.33
35.000	0.00	0.04	0.066	O	|	|	|	0.32
35.083	0.00	0.04	0.066	O	|	|	|	0.32
35.167	0.00	0.04	0.065	O	|	|	|	0.32
35.250	0.00	0.04	0.065	O	|	|	|	0.32
35.333	0.00	0.04	0.065	O	|	|	|	0.32
35.417	0.00	0.04	0.064	O	|	|	|	0.32
35.500	0.00	0.04	0.064	O	|	|	|	0.32
35.583	0.00	0.04	0.064	O	|	|	|	0.31
35.667	0.00	0.04	0.064	O	|	|	|	0.31
35.750	0.00	0.04	0.063	O	|	|	|	0.31
35.833	0.00	0.04	0.063	O	|	|	|	0.31
35.917	0.00	0.04	0.063	O	|	|	|	0.31
36.000	0.00	0.04	0.063	O	|	|	|	0.31
36.083	0.00	0.04	0.062	O	|	|	|	0.31
36.167	0.00	0.04	0.062	O	|	|	|	0.31
36.250	0.00	0.04	0.062	O	|	|	|	0.30
36.333	0.00	0.04	0.061	O	|	|	|	0.30
36.417	0.00	0.04	0.061	O	|	|	|	0.30
36.500	0.00	0.04	0.061	O	|	|	|	0.30
36.583	0.00	0.04	0.061	O	|	|	|	0.30
36.667	0.00	0.04	0.060	O	|	|	|	0.30
36.750	0.00	0.04	0.060	O	|	|	|	0.30
36.833	0.00	0.04	0.060	O	|	|	|	0.29
36.917	0.00	0.04	0.060	O	|	|	|	0.29
37.000	0.00	0.04	0.059	O	|	|	|	0.29
37.083	0.00	0.04	0.059	O	|	|	|	0.29
37.167	0.00	0.04	0.059	O	|	|	|	0.29
37.250	0.00	0.04	0.059	O	|	|	|	0.29
37.333	0.00	0.04	0.058	O	|	|	|	0.29

37.417	0.00	0.04	0.058	O	|	|	|	0.29
37.500	0.00	0.04	0.058	O	|	|	|	0.28
37.583	0.00	0.04	0.058	O	|	|	|	0.28
37.667	0.00	0.04	0.057	O	|	|	|	0.28
37.750	0.00	0.04	0.057	O	|	|	|	0.28
37.833	0.00	0.04	0.057	O	|	|	|	0.28
37.917	0.00	0.04	0.056	O	|	|	|	0.28
38.000	0.00	0.04	0.056	O	|	|	|	0.28
38.083	0.00	0.04	0.056	O	|	|	|	0.28
38.167	0.00	0.04	0.056	O	|	|	|	0.27
38.250	0.00	0.04	0.056	O	|	|	|	0.27
38.333	0.00	0.04	0.055	O	|	|	|	0.27
38.417	0.00	0.04	0.055	O	|	|	|	0.27
38.500	0.00	0.04	0.055	O	|	|	|	0.27
38.583	0.00	0.03	0.055	O	|	|	|	0.27
38.667	0.00	0.03	0.054	O	|	|	|	0.27
38.750	0.00	0.03	0.054	O	|	|	|	0.27
38.833	0.00	0.03	0.054	O	|	|	|	0.27
38.917	0.00	0.03	0.054	O	|	|	|	0.26
39.000	0.00	0.03	0.053	O	|	|	|	0.26
39.083	0.00	0.03	0.053	O	|	|	|	0.26
39.167	0.00	0.03	0.053	O	|	|	|	0.26
39.250	0.00	0.03	0.053	O	|	|	|	0.26
39.333	0.00	0.03	0.052	O	|	|	|	0.26
39.417	0.00	0.03	0.052	O	|	|	|	0.26
39.500	0.00	0.03	0.052	O	|	|	|	0.26
39.583	0.00	0.03	0.052	O	|	|	|	0.25
39.667	0.00	0.03	0.052	O	|	|	|	0.25
39.750	0.00	0.03	0.051	O	|	|	|	0.25
39.833	0.00	0.03	0.051	O	|	|	|	0.25
39.917	0.00	0.03	0.051	O	|	|	|	0.25
40.000	0.00	0.03	0.051	O	|	|	|	0.25
40.083	0.00	0.03	0.050	O	|	|	|	0.25
40.167	0.00	0.03	0.050	O	|	|	|	0.25
40.250	0.00	0.03	0.050	O	|	|	|	0.25
40.333	0.00	0.03	0.050	O	|	|	|	0.24
40.417	0.00	0.03	0.049	O	|	|	|	0.24
40.500	0.00	0.03	0.049	O	|	|	|	0.24
40.583	0.00	0.03	0.049	O	|	|	|	0.24
40.667	0.00	0.03	0.049	O	|	|	|	0.24
40.750	0.00	0.03	0.049	O	|	|	|	0.24
40.833	0.00	0.03	0.048	O	|	|	|	0.24
40.917	0.00	0.03	0.048	O	|	|	|	0.24
41.000	0.00	0.03	0.048	O	|	|	|	0.24
41.083	0.00	0.03	0.048	O	|	|	|	0.24
41.167	0.00	0.03	0.048	O	|	|	|	0.23
41.250	0.00	0.03	0.047	O	|	|	|	0.23
41.333	0.00	0.03	0.047	O	|	|	|	0.23
41.417	0.00	0.03	0.047	O	|	|	|	0.23
41.500	0.00	0.03	0.047	O	|	|	|	0.23
41.583	0.00	0.03	0.047	O	|	|	|	0.23
41.667	0.00	0.03	0.046	O	|	|	|	0.23

41.750	0.00	0.03	0.046	O	|	|	|	0.23
41.833	0.00	0.03	0.046	O	|	|	|	0.23
41.917	0.00	0.03	0.046	O	|	|	|	0.23
42.000	0.00	0.03	0.046	O	|	|	|	0.22
42.083	0.00	0.03	0.045	O	|	|	|	0.22
42.167	0.00	0.03	0.045	O	|	|	|	0.22
42.250	0.00	0.03	0.045	O	|	|	|	0.22
42.333	0.00	0.03	0.045	O	|	|	|	0.22
42.417	0.00	0.03	0.045	O	|	|	|	0.22
42.500	0.00	0.03	0.044	O	|	|	|	0.22
42.583	0.00	0.03	0.044	O	|	|	|	0.22
42.667	0.00	0.03	0.044	O	|	|	|	0.22
42.750	0.00	0.03	0.044	O	|	|	|	0.22
42.833	0.00	0.03	0.044	O	|	|	|	0.21
42.917	0.00	0.03	0.043	O	|	|	|	0.21
43.000	0.00	0.03	0.043	O	|	|	|	0.21
43.083	0.00	0.03	0.043	O	|	|	|	0.21
43.167	0.00	0.03	0.043	O	|	|	|	0.21
43.250	0.00	0.03	0.043	O	|	|	|	0.21
43.333	0.00	0.03	0.042	O	|	|	|	0.21
43.417	0.00	0.03	0.042	O	|	|	|	0.21
43.500	0.00	0.03	0.042	O	|	|	|	0.21
43.583	0.00	0.03	0.042	O	|	|	|	0.21
43.667	0.00	0.03	0.042	O	|	|	|	0.21
43.750	0.00	0.03	0.041	O	|	|	|	0.20
43.833	0.00	0.03	0.041	O	|	|	|	0.20
43.917	0.00	0.03	0.041	O	|	|	|	0.20
44.000	0.00	0.03	0.041	O	|	|	|	0.20
44.083	0.00	0.03	0.041	O	|	|	|	0.20
44.167	0.00	0.03	0.041	O	|	|	|	0.20
44.250	0.00	0.03	0.040	O	|	|	|	0.20
44.333	0.00	0.03	0.040	O	|	|	|	0.20
44.417	0.00	0.03	0.040	O	|	|	|	0.20
44.500	0.00	0.03	0.040	O	|	|	|	0.20
44.583	0.00	0.03	0.040	O	|	|	|	0.20
44.667	0.00	0.03	0.040	O	|	|	|	0.19
44.750	0.00	0.03	0.039	O	|	|	|	0.19
44.833	0.00	0.03	0.039	O	|	|	|	0.19
44.917	0.00	0.02	0.039	O	|	|	|	0.19
45.000	0.00	0.02	0.039	O	|	|	|	0.19
45.083	0.00	0.02	0.039	O	|	|	|	0.19
45.167	0.00	0.02	0.038	O	|	|	|	0.19
45.250	0.00	0.02	0.038	O	|	|	|	0.19
45.333	0.00	0.02	0.038	O	|	|	|	0.19
45.417	0.00	0.02	0.038	O	|	|	|	0.19
45.500	0.00	0.02	0.038	O	|	|	|	0.19
45.583	0.00	0.02	0.038	O	|	|	|	0.19
45.667	0.00	0.02	0.037	O	|	|	|	0.18
45.750	0.00	0.02	0.037	O	|	|	|	0.18
45.833	0.00	0.02	0.037	O	|	|	|	0.18
45.917	0.00	0.02	0.037	O	|	|	|	0.18
46.000	0.00	0.02	0.037	O	|	|	|	0.18

46.083	0.00	0.02	0.037	O	|	|	|	0.18
46.167	0.00	0.02	0.037	O	|	|	|	0.18
46.250	0.00	0.02	0.036	O	|	|	|	0.18
46.333	0.00	0.02	0.036	O	|	|	|	0.18
46.417	0.00	0.02	0.036	O	|	|	|	0.18
46.500	0.00	0.02	0.036	O	|	|	|	0.18
46.583	0.00	0.02	0.036	O	|	|	|	0.18
46.667	0.00	0.02	0.036	O	|	|	|	0.18
46.750	0.00	0.02	0.035	O	|	|	|	0.17
46.833	0.00	0.02	0.035	O	|	|	|	0.17
46.917	0.00	0.02	0.035	O	|	|	|	0.17
47.000	0.00	0.02	0.035	O	|	|	|	0.17
47.083	0.00	0.02	0.035	O	|	|	|	0.17
47.167	0.00	0.02	0.035	O	|	|	|	0.17
47.250	0.00	0.02	0.034	O	|	|	|	0.17
47.333	0.00	0.02	0.034	O	|	|	|	0.17
47.417	0.00	0.02	0.034	O	|	|	|	0.17
47.500	0.00	0.02	0.034	O	|	|	|	0.17
47.583	0.00	0.02	0.034	O	|	|	|	0.17
47.667	0.00	0.02	0.034	O	|	|	|	0.17
47.750	0.00	0.02	0.034	O	|	|	|	0.17
47.833	0.00	0.02	0.033	O	|	|	|	0.16
47.917	0.00	0.02	0.033	O	|	|	|	0.16
48.000	0.00	0.02	0.033	O	|	|	|	0.16
48.083	0.00	0.02	0.033	O	|	|	|	0.16
48.167	0.00	0.02	0.033	O	|	|	|	0.16
48.250	0.00	0.02	0.033	O	|	|	|	0.16
48.333	0.00	0.02	0.033	O	|	|	|	0.16
48.417	0.00	0.02	0.032	O	|	|	|	0.16
48.500	0.00	0.02	0.032	O	|	|	|	0.16
48.583	0.00	0.02	0.032	O	|	|	|	0.16
48.667	0.00	0.02	0.032	O	|	|	|	0.16
48.750	0.00	0.02	0.032	O	|	|	|	0.16
48.833	0.00	0.02	0.032	O	|	|	|	0.16
48.917	0.00	0.02	0.032	O	|	|	|	0.16
49.000	0.00	0.02	0.031	O	|	|	|	0.15
49.083	0.00	0.02	0.031	O	|	|	|	0.15
49.167	0.00	0.02	0.031	O	|	|	|	0.15
49.250	0.00	0.02	0.031	O	|	|	|	0.15
49.333	0.00	0.02	0.031	O	|	|	|	0.15
49.417	0.00	0.02	0.031	O	|	|	|	0.15
49.500	0.00	0.02	0.031	O	|	|	|	0.15
49.583	0.00	0.02	0.030	O	|	|	|	0.15
49.667	0.00	0.02	0.030	O	|	|	|	0.15
49.750	0.00	0.02	0.030	O	|	|	|	0.15
49.833	0.00	0.02	0.030	O	|	|	|	0.15
49.917	0.00	0.02	0.030	O	|	|	|	0.15
50.000	0.00	0.02	0.030	O	|	|	|	0.15
50.083	0.00	0.02	0.030	O	|	|	|	0.15
50.167	0.00	0.02	0.030	O	|	|	|	0.15
50.250	0.00	0.02	0.029	O	|	|	|	0.14
50.333	0.00	0.02	0.029	O	|	|	|	0.14

50.417	0.00	0.02	0.029	O	|	|	|	0.14
50.500	0.00	0.02	0.029	O	|	|	|	0.14
50.583	0.00	0.02	0.029	O	|	|	|	0.14
50.667	0.00	0.02	0.029	O	|	|	|	0.14
50.750	0.00	0.02	0.029	O	|	|	|	0.14
50.833	0.00	0.02	0.029	O	|	|	|	0.14
50.917	0.00	0.02	0.028	O	|	|	|	0.14
51.000	0.00	0.02	0.028	O	|	|	|	0.14
51.083	0.00	0.02	0.028	O	|	|	|	0.14
51.167	0.00	0.02	0.028	O	|	|	|	0.14
51.250	0.00	0.02	0.028	O	|	|	|	0.14
51.333	0.00	0.02	0.028	O	|	|	|	0.14
51.417	0.00	0.02	0.028	O	|	|	|	0.14
51.500	0.00	0.02	0.028	O	|	|	|	0.14
51.583	0.00	0.02	0.027	O	|	|	|	0.14
51.667	0.00	0.02	0.027	O	|	|	|	0.13
51.750	0.00	0.02	0.027	O	|	|	|	0.13
51.833	0.00	0.02	0.027	O	|	|	|	0.13
51.917	0.00	0.02	0.027	O	|	|	|	0.13
52.000	0.00	0.02	0.027	O	|	|	|	0.13
52.083	0.00	0.02	0.027	O	|	|	|	0.13
52.167	0.00	0.02	0.027	O	|	|	|	0.13
52.250	0.00	0.02	0.026	O	|	|	|	0.13
52.333	0.00	0.02	0.026	O	|	|	|	0.13
52.417	0.00	0.02	0.026	O	|	|	|	0.13
52.500	0.00	0.02	0.026	O	|	|	|	0.13
52.583	0.00	0.02	0.026	O	|	|	|	0.13
52.667	0.00	0.02	0.026	O	|	|	|	0.13
52.750	0.00	0.02	0.026	O	|	|	|	0.13
52.833	0.00	0.02	0.026	O	|	|	|	0.13
52.917	0.00	0.02	0.026	O	|	|	|	0.13
53.000	0.00	0.02	0.025	O	|	|	|	0.13
53.083	0.00	0.02	0.025	O	|	|	|	0.12
53.167	0.00	0.02	0.025	O	|	|	|	0.12
53.250	0.00	0.02	0.025	O	|	|	|	0.12
53.333	0.00	0.02	0.025	O	|	|	|	0.12
53.417	0.00	0.02	0.025	O	|	|	|	0.12
53.500	0.00	0.02	0.025	O	|	|	|	0.12
53.583	0.00	0.02	0.025	O	|	|	|	0.12
53.667	0.00	0.02	0.025	O	|	|	|	0.12
53.750	0.00	0.02	0.024	O	|	|	|	0.12
53.833	0.00	0.02	0.024	O	|	|	|	0.12
53.917	0.00	0.02	0.024	O	|	|	|	0.12
54.000	0.00	0.02	0.024	O	|	|	|	0.12
54.083	0.00	0.02	0.024	O	|	|	|	0.12
54.167	0.00	0.02	0.024	O	|	|	|	0.12
54.250	0.00	0.02	0.024	O	|	|	|	0.12
54.333	0.00	0.02	0.024	O	|	|	|	0.12
54.417	0.00	0.02	0.024	O	|	|	|	0.12
54.500	0.00	0.02	0.023	O	|	|	|	0.12
54.583	0.00	0.01	0.023	O	|	|	|	0.12
54.667	0.00	0.01	0.023	O	|	|	|	0.11

54.750	0.00	0.01	0.023	O	|	|	|	0.11
54.833	0.00	0.01	0.023	O	|	|	|	0.11
54.917	0.00	0.01	0.023	O	|	|	|	0.11
55.000	0.00	0.01	0.023	O	|	|	|	0.11
55.083	0.00	0.01	0.023	O	|	|	|	0.11
55.167	0.00	0.01	0.023	O	|	|	|	0.11
55.250	0.00	0.01	0.023	O	|	|	|	0.11
55.333	0.00	0.01	0.022	O	|	|	|	0.11
55.417	0.00	0.01	0.022	O	|	|	|	0.11
55.500	0.00	0.01	0.022	O	|	|	|	0.11
55.583	0.00	0.01	0.022	O	|	|	|	0.11
55.667	0.00	0.01	0.022	O	|	|	|	0.11
55.750	0.00	0.01	0.022	O	|	|	|	0.11
55.833	0.00	0.01	0.022	O	|	|	|	0.11
55.917	0.00	0.01	0.022	O	|	|	|	0.11
56.000	0.00	0.01	0.022	O	|	|	|	0.11
56.083	0.00	0.01	0.022	O	|	|	|	0.11
56.167	0.00	0.01	0.022	O	|	|	|	0.11
56.250	0.00	0.01	0.021	O	|	|	|	0.11
56.333	0.00	0.01	0.021	O	|	|	|	0.11
56.417	0.00	0.01	0.021	O	|	|	|	0.10
56.500	0.00	0.01	0.021	O	|	|	|	0.10
56.583	0.00	0.01	0.021	O	|	|	|	0.10
56.667	0.00	0.01	0.021	O	|	|	|	0.10
56.750	0.00	0.01	0.021	O	|	|	|	0.10
56.833	0.00	0.01	0.021	O	|	|	|	0.10
56.917	0.00	0.01	0.021	O	|	|	|	0.10
57.000	0.00	0.01	0.021	O	|	|	|	0.10
57.083	0.00	0.01	0.020	O	|	|	|	0.10
57.167	0.00	0.01	0.020	O	|	|	|	0.10
57.250	0.00	0.01	0.020	O	|	|	|	0.10
57.333	0.00	0.01	0.020	O	|	|	|	0.10
57.417	0.00	0.01	0.020	O	|	|	|	0.10
57.500	0.00	0.01	0.020	O	|	|	|	0.10
57.583	0.00	0.01	0.020	O	|	|	|	0.10
57.667	0.00	0.01	0.020	O	|	|	|	0.10
57.750	0.00	0.01	0.020	O	|	|	|	0.10
57.833	0.00	0.01	0.020	O	|	|	|	0.10
57.917	0.00	0.01	0.020	O	|	|	|	0.10
58.000	0.00	0.01	0.020	O	|	|	|	0.10
58.083	0.00	0.01	0.019	O	|	|	|	0.10
58.167	0.00	0.01	0.019	O	|	|	|	0.10
58.250	0.00	0.01	0.019	O	|	|	|	0.09
58.333	0.00	0.01	0.019	O	|	|	|	0.09
58.417	0.00	0.01	0.019	O	|	|	|	0.09
58.500	0.00	0.01	0.019	O	|	|	|	0.09
58.583	0.00	0.01	0.019	O	|	|	|	0.09
58.667	0.00	0.01	0.019	O	|	|	|	0.09
58.750	0.00	0.01	0.019	O	|	|	|	0.09
58.833	0.00	0.01	0.019	O	|	|	|	0.09
58.917	0.00	0.01	0.019	O	|	|	|	0.09
59.000	0.00	0.01	0.019	O	|	|	|	0.09

59.083	0.00	0.01	0.018	O	|	|	|	0.09
59.167	0.00	0.01	0.018	O	|	|	|	0.09
59.250	0.00	0.01	0.018	O	|	|	|	0.09
59.333	0.00	0.01	0.018	O	|	|	|	0.09
59.417	0.00	0.01	0.018	O	|	|	|	0.09
59.500	0.00	0.01	0.018	O	|	|	|	0.09
59.583	0.00	0.01	0.018	O	|	|	|	0.09
59.667	0.00	0.01	0.018	O	|	|	|	0.09
59.750	0.00	0.01	0.018	O	|	|	|	0.09
59.833	0.00	0.01	0.018	O	|	|	|	0.09
59.917	0.00	0.01	0.018	O	|	|	|	0.09
60.000	0.00	0.01	0.018	O	|	|	|	0.09
60.083	0.00	0.01	0.017	O	|	|	|	0.09
60.167	0.00	0.01	0.017	O	|	|	|	0.09
60.250	0.00	0.01	0.017	O	|	|	|	0.09
60.333	0.00	0.01	0.017	O	|	|	|	0.08
60.417	0.00	0.01	0.017	O	|	|	|	0.08
60.500	0.00	0.01	0.017	O	|	|	|	0.08
60.583	0.00	0.01	0.017	O	|	|	|	0.08
60.667	0.00	0.01	0.017	O	|	|	|	0.08
60.750	0.00	0.01	0.017	O	|	|	|	0.08
60.833	0.00	0.01	0.017	O	|	|	|	0.08
60.917	0.00	0.01	0.017	O	|	|	|	0.08
61.000	0.00	0.01	0.017	O	|	|	|	0.08
61.083	0.00	0.01	0.017	O	|	|	|	0.08
61.167	0.00	0.01	0.017	O	|	|	|	0.08
61.250	0.00	0.01	0.016	O	|	|	|	0.08
61.333	0.00	0.01	0.016	O	|	|	|	0.08
61.417	0.00	0.01	0.016	O	|	|	|	0.08
61.500	0.00	0.01	0.016	O	|	|	|	0.08
61.583	0.00	0.01	0.016	O	|	|	|	0.08
61.667	0.00	0.01	0.016	O	|	|	|	0.08
61.750	0.00	0.01	0.016	O	|	|	|	0.08
61.833	0.00	0.01	0.016	O	|	|	|	0.08
61.917	0.00	0.01	0.016	O	|	|	|	0.08
62.000	0.00	0.01	0.016	O	|	|	|	0.08
62.083	0.00	0.01	0.016	O	|	|	|	0.08
62.167	0.00	0.01	0.016	O	|	|	|	0.08
62.250	0.00	0.01	0.016	O	|	|	|	0.08
62.333	0.00	0.01	0.016	O	|	|	|	0.08
62.417	0.00	0.01	0.015	O	|	|	|	0.08
62.500	0.00	0.01	0.015	O	|	|	|	0.08
62.583	0.00	0.01	0.015	O	|	|	|	0.08
62.667	0.00	0.01	0.015	O	|	|	|	0.08
62.750	0.00	0.01	0.015	O	|	|	|	0.07
62.833	0.00	0.01	0.015	O	|	|	|	0.07
62.917	0.00	0.01	0.015	O	|	|	|	0.07
63.000	0.00	0.01	0.015	O	|	|	|	0.07
63.083	0.00	0.01	0.015	O	|	|	|	0.07
63.167	0.00	0.01	0.015	O	|	|	|	0.07
63.250	0.00	0.01	0.015	O	|	|	|	0.07
63.333	0.00	0.01	0.015	O	|	|	|	0.07

63.417	0.00	0.01	0.015	O	|	|	|	0.07
63.500	0.00	0.01	0.015	O	|	|	|	0.07
63.583	0.00	0.01	0.015	O	|	|	|	0.07
63.667	0.00	0.01	0.014	O	|	|	|	0.07
63.750	0.00	0.01	0.014	O	|	|	|	0.07
63.833	0.00	0.01	0.014	O	|	|	|	0.07
63.917	0.00	0.01	0.014	O	|	|	|	0.07
64.000	0.00	0.01	0.014	O	|	|	|	0.07
64.083	0.00	0.01	0.014	O	|	|	|	0.07
64.167	0.00	0.01	0.014	O	|	|	|	0.07
64.250	0.00	0.01	0.014	O	|	|	|	0.07
64.333	0.00	0.01	0.014	O	|	|	|	0.07
64.417	0.00	0.01	0.014	O	|	|	|	0.07
64.500	0.00	0.01	0.014	O	|	|	|	0.07
64.583	0.00	0.01	0.014	O	|	|	|	0.07
64.667	0.00	0.01	0.014	O	|	|	|	0.07
64.750	0.00	0.01	0.014	O	|	|	|	0.07
64.833	0.00	0.01	0.014	O	|	|	|	0.07
64.917	0.00	0.01	0.014	O	|	|	|	0.07
65.000	0.00	0.01	0.013	O	|	|	|	0.07
65.083	0.00	0.01	0.013	O	|	|	|	0.07
65.167	0.00	0.01	0.013	O	|	|	|	0.07
65.250	0.00	0.01	0.013	O	|	|	|	0.07
65.333	0.00	0.01	0.013	O	|	|	|	0.07
65.417	0.00	0.01	0.013	O	|	|	|	0.06
65.500	0.00	0.01	0.013	O	|	|	|	0.06
65.583	0.00	0.01	0.013	O	|	|	|	0.06
65.667	0.00	0.01	0.013	O	|	|	|	0.06
65.750	0.00	0.01	0.013	O	|	|	|	0.06
65.833	0.00	0.01	0.013	O	|	|	|	0.06
65.917	0.00	0.01	0.013	O	|	|	|	0.06
66.000	0.00	0.01	0.013	O	|	|	|	0.06
66.083	0.00	0.01	0.013	O	|	|	|	0.06
66.167	0.00	0.01	0.013	O	|	|	|	0.06
66.250	0.00	0.01	0.013	O	|	|	|	0.06
66.333	0.00	0.01	0.013	O	|	|	|	0.06
66.417	0.00	0.01	0.013	O	|	|	|	0.06
66.500	0.00	0.01	0.012	O	|	|	|	0.06
66.583	0.00	0.01	0.012	O	|	|	|	0.06
66.667	0.00	0.01	0.012	O	|	|	|	0.06
66.750	0.00	0.01	0.012	O	|	|	|	0.06
66.833	0.00	0.01	0.012	O	|	|	|	0.06
66.917	0.00	0.01	0.012	O	|	|	|	0.06
67.000	0.00	0.01	0.012	O	|	|	|	0.06
67.083	0.00	0.01	0.012	O	|	|	|	0.06
67.167	0.00	0.01	0.012	O	|	|	|	0.06
67.250	0.00	0.01	0.012	O	|	|	|	0.06
67.333	0.00	0.01	0.012	O	|	|	|	0.06
67.417	0.00	0.01	0.012	O	|	|	|	0.06
67.500	0.00	0.01	0.012	O	|	|	|	0.06
67.583	0.00	0.01	0.012	O	|	|	|	0.06
67.667	0.00	0.01	0.012	O	|	|	|	0.06

67.750	0.00	0.01	0.012	O	|	|	|	0.06
67.833	0.00	0.01	0.012	O	|	|	|	0.06
67.917	0.00	0.01	0.012	O	|	|	|	0.06
68.000	0.00	0.01	0.011	O	|	|	|	0.06
68.083	0.00	0.01	0.011	O	|	|	|	0.06
68.167	0.00	0.01	0.011	O	|	|	|	0.06
68.250	0.00	0.01	0.011	O	|	|	|	0.06
68.333	0.00	0.01	0.011	O	|	|	|	0.06
68.417	0.00	0.01	0.011	O	|	|	|	0.06
68.500	0.00	0.01	0.011	O	|	|	|	0.06
68.583	0.00	0.01	0.011	O	|	|	|	0.05
68.667	0.00	0.01	0.011	O	|	|	|	0.05
68.750	0.00	0.01	0.011	O	|	|	|	0.05
68.833	0.00	0.01	0.011	O	|	|	|	0.05
68.917	0.00	0.01	0.011	O	|	|	|	0.05
69.000	0.00	0.01	0.011	O	|	|	|	0.05
69.083	0.00	0.01	0.011	O	|	|	|	0.05
69.167	0.00	0.01	0.011	O	|	|	|	0.05
69.250	0.00	0.01	0.011	O	|	|	|	0.05
69.333	0.00	0.01	0.011	O	|	|	|	0.05
69.417	0.00	0.01	0.011	O	|	|	|	0.05
69.500	0.00	0.01	0.011	O	|	|	|	0.05
69.583	0.00	0.01	0.011	O	|	|	|	0.05
69.667	0.00	0.01	0.011	O	|	|	|	0.05
69.750	0.00	0.01	0.010	O	|	|	|	0.05
69.833	0.00	0.01	0.010	O	|	|	|	0.05
69.917	0.00	0.01	0.010	O	|	|	|	0.05
70.000	0.00	0.01	0.010	O	|	|	|	0.05
70.083	0.00	0.01	0.010	O	|	|	|	0.05
70.167	0.00	0.01	0.010	O	|	|	|	0.05
70.250	0.00	0.01	0.010	O	|	|	|	0.05
70.333	0.00	0.01	0.010	O	|	|	|	0.05
70.417	0.00	0.01	0.010	O	|	|	|	0.05
70.500	0.00	0.01	0.010	O	|	|	|	0.05
70.583	0.00	0.01	0.010	O	|	|	|	0.05
70.667	0.00	0.01	0.010	O	|	|	|	0.05
70.750	0.00	0.01	0.010	O	|	|	|	0.05
70.833	0.00	0.01	0.010	O	|	|	|	0.05
70.917	0.00	0.01	0.010	O	|	|	|	0.05
71.000	0.00	0.01	0.010	O	|	|	|	0.05
71.083	0.00	0.01	0.010	O	|	|	|	0.05
71.167	0.00	0.01	0.010	O	|	|	|	0.05
71.250	0.00	0.01	0.010	O	|	|	|	0.05
71.333	0.00	0.01	0.010	O	|	|	|	0.05
71.417	0.00	0.01	0.010	O	|	|	|	0.05
71.500	0.00	0.01	0.010	O	|	|	|	0.05
71.583	0.00	0.01	0.010	O	|	|	|	0.05
71.667	0.00	0.01	0.009	O	|	|	|	0.05
71.750	0.00	0.01	0.009	O	|	|	|	0.05
71.833	0.00	0.01	0.009	O	|	|	|	0.05
71.917	0.00	0.01	0.009	O	|	|	|	0.05
72.000	0.00	0.01	0.009	O	|	|	|	0.05

72.083	0.00	0.01	0.009	O	|	|	|	0.05
72.167	0.00	0.01	0.009	O	|	|	|	0.05
72.250	0.00	0.01	0.009	O	|	|	|	0.05
72.333	0.00	0.01	0.009	O	|	|	|	0.05
72.417	0.00	0.01	0.009	O	|	|	|	0.04
72.500	0.00	0.01	0.009	O	|	|	|	0.04
72.583	0.00	0.01	0.009	O	|	|	|	0.04
72.667	0.00	0.01	0.009	O	|	|	|	0.04
72.750	0.00	0.01	0.009	O	|	|	|	0.04
72.833	0.00	0.01	0.009	O	|	|	|	0.04
72.917	0.00	0.01	0.009	O	|	|	|	0.04
73.000	0.00	0.01	0.009	O	|	|	|	0.04
73.083	0.00	0.01	0.009	O	|	|	|	0.04
73.167	0.00	0.01	0.009	O	|	|	|	0.04
73.250	0.00	0.01	0.009	O	|	|	|	0.04
73.333	0.00	0.01	0.009	O	|	|	|	0.04
73.417	0.00	0.01	0.009	O	|	|	|	0.04
73.500	0.00	0.01	0.009	O	|	|	|	0.04
73.583	0.00	0.01	0.009	O	|	|	|	0.04
73.667	0.00	0.01	0.009	O	|	|	|	0.04
73.750	0.00	0.01	0.008	O	|	|	|	0.04
73.833	0.00	0.01	0.008	O	|	|	|	0.04
73.917	0.00	0.01	0.008	O	|	|	|	0.04
74.000	0.00	0.01	0.008	O	|	|	|	0.04
74.083	0.00	0.01	0.008	O	|	|	|	0.04
74.167	0.00	0.01	0.008	O	|	|	|	0.04
74.250	0.00	0.01	0.008	O	|	|	|	0.04
74.333	0.00	0.01	0.008	O	|	|	|	0.04
74.417	0.00	0.01	0.008	O	|	|	|	0.04
74.500	0.00	0.01	0.008	O	|	|	|	0.04
74.583	0.00	0.01	0.008	O	|	|	|	0.04
74.667	0.00	0.01	0.008	O	|	|	|	0.04
74.750	0.00	0.01	0.008	O	|	|	|	0.04
74.833	0.00	0.01	0.008	O	|	|	|	0.04
74.917	0.00	0.01	0.008	O	|	|	|	0.04
75.000	0.00	0.01	0.008	O	|	|	|	0.04
75.083	0.00	0.01	0.008	O	|	|	|	0.04
75.167	0.00	0.01	0.008	O	|	|	|	0.04
75.250	0.00	0.01	0.008	O	|	|	|	0.04
75.333	0.00	0.00	0.008	O	|	|	|	0.04
75.417	0.00	0.00	0.008	O	|	|	|	0.04
75.500	0.00	0.00	0.008	O	|	|	|	0.04
75.583	0.00	0.00	0.008	O	|	|	|	0.04
75.667	0.00	0.00	0.008	O	|	|	|	0.04
75.750	0.00	0.00	0.008	O	|	|	|	0.04
75.833	0.00	0.00	0.008	O	|	|	|	0.04
75.917	0.00	0.00	0.008	O	|	|	|	0.04
76.000	0.00	0.00	0.008	O	|	|	|	0.04
76.083	0.00	0.00	0.007	O	|	|	|	0.04
76.167	0.00	0.00	0.007	O	|	|	|	0.04
76.250	0.00	0.00	0.007	O	|	|	|	0.04
76.333	0.00	0.00	0.007	O	|	|	|	0.04

76.417	0.00	0.00	0.007	O	|	|	|	0.04
76.500	0.00	0.00	0.007	O	|	|	|	0.04
76.583	0.00	0.00	0.007	O	|	|	|	0.04
76.667	0.00	0.00	0.007	O	|	|	|	0.04
76.750	0.00	0.00	0.007	O	|	|	|	0.04
76.833	0.00	0.00	0.007	O	|	|	|	0.04
76.917	0.00	0.00	0.007	O	|	|	|	0.04
77.000	0.00	0.00	0.007	O	|	|	|	0.04
77.083	0.00	0.00	0.007	O	|	|	|	0.04
77.167	0.00	0.00	0.007	O	|	|	|	0.03
77.250	0.00	0.00	0.007	O	|	|	|	0.03
77.333	0.00	0.00	0.007	O	|	|	|	0.03
77.417	0.00	0.00	0.007	O	|	|	|	0.03
77.500	0.00	0.00	0.007	O	|	|	|	0.03
77.583	0.00	0.00	0.007	O	|	|	|	0.03
77.667	0.00	0.00	0.007	O	|	|	|	0.03
77.750	0.00	0.00	0.007	O	|	|	|	0.03
77.833	0.00	0.00	0.007	O	|	|	|	0.03
77.917	0.00	0.00	0.007	O	|	|	|	0.03
78.000	0.00	0.00	0.007	O	|	|	|	0.03
78.083	0.00	0.00	0.007	O	|	|	|	0.03
78.167	0.00	0.00	0.007	O	|	|	|	0.03
78.250	0.00	0.00	0.007	O	|	|	|	0.03
78.333	0.00	0.00	0.007	O	|	|	|	0.03
78.417	0.00	0.00	0.007	O	|	|	|	0.03
78.500	0.00	0.00	0.007	O	|	|	|	0.03
78.583	0.00	0.00	0.007	O	|	|	|	0.03
78.667	0.00	0.00	0.007	O	|	|	|	0.03
78.750	0.00	0.00	0.007	O	|	|	|	0.03
78.833	0.00	0.00	0.006	O	|	|	|	0.03
78.917	0.00	0.00	0.006	O	|	|	|	0.03
79.000	0.00	0.00	0.006	O	|	|	|	0.03
79.083	0.00	0.00	0.006	O	|	|	|	0.03
79.167	0.00	0.00	0.006	O	|	|	|	0.03
79.250	0.00	0.00	0.006	O	|	|	|	0.03
79.333	0.00	0.00	0.006	O	|	|	|	0.03
79.417	0.00	0.00	0.006	O	|	|	|	0.03
79.500	0.00	0.00	0.006	O	|	|	|	0.03
79.583	0.00	0.00	0.006	O	|	|	|	0.03
79.667	0.00	0.00	0.006	O	|	|	|	0.03
79.750	0.00	0.00	0.006	O	|	|	|	0.03
79.833	0.00	0.00	0.006	O	|	|	|	0.03
79.917	0.00	0.00	0.006	O	|	|	|	0.03
80.000	0.00	0.00	0.006	O	|	|	|	0.03
80.083	0.00	0.00	0.006	O	|	|	|	0.03
80.167	0.00	0.00	0.006	O	|	|	|	0.03
80.250	0.00	0.00	0.006	O	|	|	|	0.03
80.333	0.00	0.00	0.006	O	|	|	|	0.03
80.417	0.00	0.00	0.006	O	|	|	|	0.03
80.500	0.00	0.00	0.006	O	|	|	|	0.03
80.583	0.00	0.00	0.006	O	|	|	|	0.03
80.667	0.00	0.00	0.006	O	|	|	|	0.03

80.750	0.00	0.00	0.006	O	|	|	|	0.03
80.833	0.00	0.00	0.006	O	|	|	|	0.03
80.917	0.00	0.00	0.006	O	|	|	|	0.03
81.000	0.00	0.00	0.006	O	|	|	|	0.03
81.083	0.00	0.00	0.006	O	|	|	|	0.03
81.167	0.00	0.00	0.006	O	|	|	|	0.03
81.250	0.00	0.00	0.006	O	|	|	|	0.03
81.333	0.00	0.00	0.006	O	|	|	|	0.03
81.417	0.00	0.00	0.006	O	|	|	|	0.03
81.500	0.00	0.00	0.006	O	|	|	|	0.03
81.583	0.00	0.00	0.006	O	|	|	|	0.03
81.667	0.00	0.00	0.006	O	|	|	|	0.03
81.750	0.00	0.00	0.006	O	|	|	|	0.03
81.833	0.00	0.00	0.006	O	|	|	|	0.03
81.917	0.00	0.00	0.006	O	|	|	|	0.03
82.000	0.00	0.00	0.005	O	|	|	|	0.03
82.083	0.00	0.00	0.005	O	|	|	|	0.03
82.167	0.00	0.00	0.005	O	|	|	|	0.03
82.250	0.00	0.00	0.005	O	|	|	|	0.03
82.333	0.00	0.00	0.005	O	|	|	|	0.03
82.417	0.00	0.00	0.005	O	|	|	|	0.03
82.500	0.00	0.00	0.005	O	|	|	|	0.03
82.583	0.00	0.00	0.005	O	|	|	|	0.03
82.667	0.00	0.00	0.005	O	|	|	|	0.03
82.750	0.00	0.00	0.005	O	|	|	|	0.03
82.833	0.00	0.00	0.005	O	|	|	|	0.03
82.917	0.00	0.00	0.005	O	|	|	|	0.03
83.000	0.00	0.00	0.005	O	|	|	|	0.03
83.083	0.00	0.00	0.005	O	|	|	|	0.03
83.167	0.00	0.00	0.005	O	|	|	|	0.03
83.250	0.00	0.00	0.005	O	|	|	|	0.03
83.333	0.00	0.00	0.005	O	|	|	|	0.03
83.417	0.00	0.00	0.005	O	|	|	|	0.03
83.500	0.00	0.00	0.005	O	|	|	|	0.02
83.583	0.00	0.00	0.005	O	|	|	|	0.02
83.667	0.00	0.00	0.005	O	|	|	|	0.02
83.750	0.00	0.00	0.005	O	|	|	|	0.02
83.833	0.00	0.00	0.005	O	|	|	|	0.02
83.917	0.00	0.00	0.005	O	|	|	|	0.02
84.000	0.00	0.00	0.005	O	|	|	|	0.02
84.083	0.00	0.00	0.005	O	|	|	|	0.02
84.167	0.00	0.00	0.005	O	|	|	|	0.02
84.250	0.00	0.00	0.005	O	|	|	|	0.02
84.333	0.00	0.00	0.005	O	|	|	|	0.02
84.417	0.00	0.00	0.005	O	|	|	|	0.02
84.500	0.00	0.00	0.005	O	|	|	|	0.02
84.583	0.00	0.00	0.005	O	|	|	|	0.02
84.667	0.00	0.00	0.005	O	|	|	|	0.02
84.750	0.00	0.00	0.005	O	|	|	|	0.02
84.833	0.00	0.00	0.005	O	|	|	|	0.02
84.917	0.00	0.00	0.005	O	|	|	|	0.02
85.000	0.00	0.00	0.005	O	|	|	|	0.02

85.083	0.00	0.00	0.005	O	|	|	|	|	0.02
85.167	0.00	0.00	0.005	O	|	|	|	|	0.02
85.250	0.00	0.00	0.005	O	|	|	|	|	0.02
85.333	0.00	0.00	0.005	O	|	|	|	|	0.02
85.417	0.00	0.00	0.005	O	|	|	|	|	0.02
85.500	0.00	0.00	0.005	O	|	|	|	|	0.02
85.583	0.00	0.00	0.005	O	|	|	|	|	0.02
85.667	0.00	0.00	0.005	O	|	|	|	|	0.02
85.750	0.00	0.00	0.004	O	|	|	|	|	0.02
85.833	0.00	0.00	0.004	O	|	|	|	|	0.02
85.917	0.00	0.00	0.004	O	|	|	|	|	0.02
86.000	0.00	0.00	0.004	O	|	|	|	|	0.02
86.083	0.00	0.00	0.004	O	|	|	|	|	0.02
86.167	0.00	0.00	0.004	O	|	|	|	|	0.02
86.250	0.00	0.00	0.004	O	|	|	|	|	0.02
86.333	0.00	0.00	0.004	O	|	|	|	|	0.02
86.417	0.00	0.00	0.004	O	|	|	|	|	0.02
86.500	0.00	0.00	0.004	O	|	|	|	|	0.02
86.583	0.00	0.00	0.004	O	|	|	|	|	0.02
86.667	0.00	0.00	0.004	O	|	|	|	|	0.02
86.750	0.00	0.00	0.004	O	|	|	|	|	0.02
86.833	0.00	0.00	0.004	O	|	|	|	|	0.02
86.917	0.00	0.00	0.004	O	|	|	|	|	0.02
87.000	0.00	0.00	0.004	O	|	|	|	|	0.02
87.083	0.00	0.00	0.004	O	|	|	|	|	0.02
87.167	0.00	0.00	0.004	O	|	|	|	|	0.02
87.250	0.00	0.00	0.004	O	|	|	|	|	0.02
87.333	0.00	0.00	0.004	O	|	|	|	|	0.02
87.417	0.00	0.00	0.004	O	|	|	|	|	0.02
87.500	0.00	0.00	0.004	O	|	|	|	|	0.02
87.583	0.00	0.00	0.004	O	|	|	|	|	0.02
87.667	0.00	0.00	0.004	O	|	|	|	|	0.02
87.750	0.00	0.00	0.004	O	|	|	|	|	0.02
87.833	0.00	0.00	0.004	O	|	|	|	|	0.02
87.917	0.00	0.00	0.004	O	|	|	|	|	0.02
88.000	0.00	0.00	0.004	O	|	|	|	|	0.02
88.083	0.00	0.00	0.004	O	|	|	|	|	0.02
88.167	0.00	0.00	0.004	O	|	|	|	|	0.02
88.250	0.00	0.00	0.004	O	|	|	|	|	0.02
88.333	0.00	0.00	0.004	O	|	|	|	|	0.02
88.417	0.00	0.00	0.004	O	|	|	|	|	0.02
88.500	0.00	0.00	0.004	O	|	|	|	|	0.02
88.583	0.00	0.00	0.004	O	|	|	|	|	0.02
88.667	0.00	0.00	0.004	O	|	|	|	|	0.02
88.750	0.00	0.00	0.004	O	|	|	|	|	0.02
88.833	0.00	0.00	0.004	O	|	|	|	|	0.02
88.917	0.00	0.00	0.004	O	|	|	|	|	0.02
89.000	0.00	0.00	0.004	O	|	|	|	|	0.02
89.083	0.00	0.00	0.004	O	|	|	|	|	0.02
89.167	0.00	0.00	0.004	O	|	|	|	|	0.02
89.250	0.00	0.00	0.004	O	|	|	|	|	0.02
89.333	0.00	0.00	0.004	O	|	|	|	|	0.02

89.417	0.00	0.00	0.004	O	|	|	|	|	0.02
89.500	0.00	0.00	0.004	O	|	|	|	|	0.02
89.583	0.00	0.00	0.004	O	|	|	|	|	0.02
89.667	0.00	0.00	0.004	O	|	|	|	|	0.02
89.750	0.00	0.00	0.004	O	|	|	|	|	0.02
89.833	0.00	0.00	0.004	O	|	|	|	|	0.02
89.917	0.00	0.00	0.004	O	|	|	|	|	0.02
90.000	0.00	0.00	0.004	O	|	|	|	|	0.02
90.083	0.00	0.00	0.004	O	|	|	|	|	0.02
90.167	0.00	0.00	0.004	O	|	|	|	|	0.02
90.250	0.00	0.00	0.004	O	|	|	|	|	0.02
90.333	0.00	0.00	0.004	O	|	|	|	|	0.02
90.417	0.00	0.00	0.004	O	|	|	|	|	0.02
90.500	0.00	0.00	0.003	O	|	|	|	|	0.02
90.583	0.00	0.00	0.003	O	|	|	|	|	0.02
90.667	0.00	0.00	0.003	O	|	|	|	|	0.02
90.750	0.00	0.00	0.003	O	|	|	|	|	0.02
90.833	0.00	0.00	0.003	O	|	|	|	|	0.02
90.917	0.00	0.00	0.003	O	|	|	|	|	0.02
91.000	0.00	0.00	0.003	O	|	|	|	|	0.02
91.083	0.00	0.00	0.003	O	|	|	|	|	0.02
91.167	0.00	0.00	0.003	O	|	|	|	|	0.02
91.250	0.00	0.00	0.003	O	|	|	|	|	0.02
91.333	0.00	0.00	0.003	O	|	|	|	|	0.02
91.417	0.00	0.00	0.003	O	|	|	|	|	0.02
91.500	0.00	0.00	0.003	O	|	|	|	|	0.02
91.583	0.00	0.00	0.003	O	|	|	|	|	0.02
91.667	0.00	0.00	0.003	O	|	|	|	|	0.02
91.750	0.00	0.00	0.003	O	|	|	|	|	0.02
91.833	0.00	0.00	0.003	O	|	|	|	|	0.02
91.917	0.00	0.00	0.003	O	|	|	|	|	0.02
92.000	0.00	0.00	0.003	O	|	|	|	|	0.02
92.083	0.00	0.00	0.003	O	|	|	|	|	0.02
92.167	0.00	0.00	0.003	O	|	|	|	|	0.02
92.250	0.00	0.00	0.003	O	|	|	|	|	0.02
92.333	0.00	0.00	0.003	O	|	|	|	|	0.02
92.417	0.00	0.00	0.003	O	|	|	|	|	0.02
92.500	0.00	0.00	0.003	O	|	|	|	|	0.02
92.583	0.00	0.00	0.003	O	|	|	|	|	0.02
92.667	0.00	0.00	0.003	O	|	|	|	|	0.02
92.750	0.00	0.00	0.003	O	|	|	|	|	0.02
92.833	0.00	0.00	0.003	O	|	|	|	|	0.02
92.917	0.00	0.00	0.003	O	|	|	|	|	0.02
93.000	0.00	0.00	0.003	O	|	|	|	|	0.02
93.083	0.00	0.00	0.003	O	|	|	|	|	0.02
93.167	0.00	0.00	0.003	O	|	|	|	|	0.01
93.250	0.00	0.00	0.003	O	|	|	|	|	0.01
93.333	0.00	0.00	0.003	O	|	|	|	|	0.01
93.417	0.00	0.00	0.003	O	|	|	|	|	0.01
93.500	0.00	0.00	0.003	O	|	|	|	|	0.01
93.583	0.00	0.00	0.003	O	|	|	|	|	0.01
93.667	0.00	0.00	0.003	O	|	|	|	|	0.01

93.750	0.00	0.00	0.003	O	|	|	|	0.01
93.833	0.00	0.00	0.003	O	|	|	|	0.01
93.917	0.00	0.00	0.003	O	|	|	|	0.01
94.000	0.00	0.00	0.003	O	|	|	|	0.01
94.083	0.00	0.00	0.003	O	|	|	|	0.01
94.167	0.00	0.00	0.003	O	|	|	|	0.01
94.250	0.00	0.00	0.003	O	|	|	|	0.01
94.333	0.00	0.00	0.003	O	|	|	|	0.01
94.417	0.00	0.00	0.003	O	|	|	|	0.01
94.500	0.00	0.00	0.003	O	|	|	|	0.01
94.583	0.00	0.00	0.003	O	|	|	|	0.01
94.667	0.00	0.00	0.003	O	|	|	|	0.01
94.750	0.00	0.00	0.003	O	|	|	|	0.01
94.833	0.00	0.00	0.003	O	|	|	|	0.01
94.917	0.00	0.00	0.003	O	|	|	|	0.01
95.000	0.00	0.00	0.003	O	|	|	|	0.01
95.083	0.00	0.00	0.003	O	|	|	|	0.01
95.167	0.00	0.00	0.003	O	|	|	|	0.01
95.250	0.00	0.00	0.003	O	|	|	|	0.01
95.333	0.00	0.00	0.003	O	|	|	|	0.01
95.417	0.00	0.00	0.003	O	|	|	|	0.01
95.500	0.00	0.00	0.003	O	|	|	|	0.01
95.583	0.00	0.00	0.003	O	|	|	|	0.01
95.667	0.00	0.00	0.003	O	|	|	|	0.01
95.750	0.00	0.00	0.003	O	|	|	|	0.01
95.833	0.00	0.00	0.003	O	|	|	|	0.01
95.917	0.00	0.00	0.003	O	|	|	|	0.01
96.000	0.00	0.00	0.003	O	|	|	|	0.01
96.083	0.00	0.00	0.003	O	|	|	|	0.01
96.167	0.00	0.00	0.003	O	|	|	|	0.01
96.250	0.00	0.00	0.003	O	|	|	|	0.01
96.333	0.00	0.00	0.003	O	|	|	|	0.01
96.417	0.00	0.00	0.003	O	|	|	|	0.01
96.500	0.00	0.00	0.003	O	|	|	|	0.01
96.583	0.00	0.00	0.003	O	|	|	|	0.01
96.667	0.00	0.00	0.003	O	|	|	|	0.01
96.750	0.00	0.00	0.003	O	|	|	|	0.01
96.833	0.00	0.00	0.002	O	|	|	|	0.01
96.917	0.00	0.00	0.002	O	|	|	|	0.01
97.000	0.00	0.00	0.002	O	|	|	|	0.01
97.083	0.00	0.00	0.002	O	|	|	|	0.01
97.167	0.00	0.00	0.002	O	|	|	|	0.01
97.250	0.00	0.00	0.002	O	|	|	|	0.01
97.333	0.00	0.00	0.002	O	|	|	|	0.01
97.417	0.00	0.00	0.002	O	|	|	|	0.01
97.500	0.00	0.00	0.002	O	|	|	|	0.01
97.583	0.00	0.00	0.002	O	|	|	|	0.01
97.667	0.00	0.00	0.002	O	|	|	|	0.01
97.750	0.00	0.00	0.002	O	|	|	|	0.01
97.833	0.00	0.00	0.002	O	|	|	|	0.01
97.917	0.00	0.00	0.002	O	|	|	|	0.01
98.000	0.00	0.00	0.002	O	|	|	|	0.01

98.083	0.00	0.00	0.002	O	|	|	|	0.01
98.167	0.00	0.00	0.002	O	|	|	|	0.01
98.250	0.00	0.00	0.002	O	|	|	|	0.01
98.333	0.00	0.00	0.002	O	|	|	|	0.01
98.417	0.00	0.00	0.002	O	|	|	|	0.01
98.500	0.00	0.00	0.002	O	|	|	|	0.01
98.583	0.00	0.00	0.002	O	|	|	|	0.01
98.667	0.00	0.00	0.002	O	|	|	|	0.01
98.750	0.00	0.00	0.002	O	|	|	|	0.01
98.833	0.00	0.00	0.002	O	|	|	|	0.01
98.917	0.00	0.00	0.002	O	|	|	|	0.01
99.000	0.00	0.00	0.002	O	|	|	|	0.01
99.083	0.00	0.00	0.002	O	|	|	|	0.01
99.167	0.00	0.00	0.002	O	|	|	|	0.01
99.250	0.00	0.00	0.002	O	|	|	|	0.01
99.333	0.00	0.00	0.002	O	|	|	|	0.01
99.417	0.00	0.00	0.002	O	|	|	|	0.01
99.500	0.00	0.00	0.002	O	|	|	|	0.01
99.583	0.00	0.00	0.002	O	|	|	|	0.01
99.667	0.00	0.00	0.002	O	|	|	|	0.01
99.750	0.00	0.00	0.002	O	|	|	|	0.01
99.833	0.00	0.00	0.002	O	|	|	|	0.01
99.917	0.00	0.00	0.002	O	|	|	|	0.01
100.000	0.00	0.00	0.002	O	|	|	|	0.01
100.083	0.00	0.00	0.002	O	|	|	|	0.01
100.167	0.00	0.00	0.002	O	|	|	|	0.01
100.250	0.00	0.00	0.002	O	|	|	|	0.01
100.333	0.00	0.00	0.002	O	|	|	|	0.01
100.417	0.00	0.00	0.002	O	|	|	|	0.01
100.500	0.00	0.00	0.002	O	|	|	|	0.01
100.583	0.00	0.00	0.002	O	|	|	|	0.01
100.667	0.00	0.00	0.002	O	|	|	|	0.01
100.750	0.00	0.00	0.002	O	|	|	|	0.01
100.833	0.00	0.00	0.002	O	|	|	|	0.01
100.917	0.00	0.00	0.002	O	|	|	|	0.01
101.000	0.00	0.00	0.002	O	|	|	|	0.01
101.083	0.00	0.00	0.002	O	|	|	|	0.01
101.167	0.00	0.00	0.002	O	|	|	|	0.01
101.250	0.00	0.00	0.002	O	|	|	|	0.01
101.333	0.00	0.00	0.002	O	|	|	|	0.01
101.417	0.00	0.00	0.002	O	|	|	|	0.01
101.500	0.00	0.00	0.002	O	|	|	|	0.01
101.583	0.00	0.00	0.002	O	|	|	|	0.01
101.667	0.00	0.00	0.002	O	|	|	|	0.01
101.750	0.00	0.00	0.002	O	|	|	|	0.01
101.833	0.00	0.00	0.002	O	|	|	|	0.01
101.917	0.00	0.00	0.002	O	|	|	|	0.01
102.000	0.00	0.00	0.002	O	|	|	|	0.01
102.083	0.00	0.00	0.002	O	|	|	|	0.01
102.167	0.00	0.00	0.002	O	|	|	|	0.01
102.250	0.00	0.00	0.002	O	|	|	|	0.01
102.333	0.00	0.00	0.002	O	|	|	|	0.01

102.417	0.00	0.00	0.002	O	|	|	|	|	0.01
102.500	0.00	0.00	0.002	O	|	|	|	|	0.01
102.583	0.00	0.00	0.002	O	|	|	|	|	0.01
102.667	0.00	0.00	0.002	O	|	|	|	|	0.01
102.750	0.00	0.00	0.002	O	|	|	|	|	0.01
102.833	0.00	0.00	0.002	O	|	|	|	|	0.01
102.917	0.00	0.00	0.002	O	|	|	|	|	0.01
103.000	0.00	0.00	0.002	O	|	|	|	|	0.01
103.083	0.00	0.00	0.002	O	|	|	|	|	0.01
103.167	0.00	0.00	0.002	O	|	|	|	|	0.01
103.250	0.00	0.00	0.002	O	|	|	|	|	0.01
103.333	0.00	0.00	0.002	O	|	|	|	|	0.01
103.417	0.00	0.00	0.002	O	|	|	|	|	0.01
103.500	0.00	0.00	0.002	O	|	|	|	|	0.01
103.583	0.00	0.00	0.002	O	|	|	|	|	0.01
103.667	0.00	0.00	0.002	O	|	|	|	|	0.01
103.750	0.00	0.00	0.002	O	|	|	|	|	0.01
103.833	0.00	0.00	0.002	O	|	|	|	|	0.01
103.917	0.00	0.00	0.002	O	|	|	|	|	0.01
104.000	0.00	0.00	0.002	O	|	|	|	|	0.01
104.083	0.00	0.00	0.002	O	|	|	|	|	0.01
104.167	0.00	0.00	0.002	O	|	|	|	|	0.01
104.250	0.00	0.00	0.002	O	|	|	|	|	0.01
104.333	0.00	0.00	0.002	O	|	|	|	|	0.01
104.417	0.00	0.00	0.002	O	|	|	|	|	0.01
104.500	0.00	0.00	0.002	O	|	|	|	|	0.01
104.583	0.00	0.00	0.002	O	|	|	|	|	0.01
104.667	0.00	0.00	0.002	O	|	|	|	|	0.01
104.750	0.00	0.00	0.002	O	|	|	|	|	0.01
104.833	0.00	0.00	0.002	O	|	|	|	|	0.01
104.917	0.00	0.00	0.002	O	|	|	|	|	0.01
105.000	0.00	0.00	0.002	O	|	|	|	|	0.01
105.083	0.00	0.00	0.002	O	|	|	|	|	0.01
105.167	0.00	0.00	0.002	O	|	|	|	|	0.01
105.250	0.00	0.00	0.002	O	|	|	|	|	0.01
105.333	0.00	0.00	0.002	O	|	|	|	|	0.01
105.417	0.00	0.00	0.002	O	|	|	|	|	0.01
105.500	0.00	0.00	0.002	O	|	|	|	|	0.01
105.583	0.00	0.00	0.002	O	|	|	|	|	0.01
105.667	0.00	0.00	0.002	O	|	|	|	|	0.01
105.750	0.00	0.00	0.002	O	|	|	|	|	0.01

**********HYDROGRAPH DATA**********

Number of intervals = 1269
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 5.075 (CFS)
Total volume = 1.363 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2022
Study date: 09/12/23

ACACIA POINTE
BASIN ROUTING ANALYSIS
INFILTRATION BASIN "A"
100-YEAR, 24-HOUR

Program License Serial Number 6545

********** HYDROGRAPH INFORMATION **********

From study/file name: ADEV24100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 292
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 3.678 (CFS)
Total volume = 1.876 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****
_____

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 292
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 1.10(Ft.)

Initial basin depth = 1.10 (Ft.)
Initial basin storage = 0.23 (Ac.Ft)
Initial basin outflow = 0.23 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.203	0.130	0.203	0.203
2.000	0.457	1.140	0.453	0.461
3.000	0.763	5.180	0.745	0.781
4.000	1.123	20.390	1.053	1.193
5.000	1.541	41.860	1.397	1.685
6.000	2.019	68.080	1.785	2.253
7.000	2.556	98.300	2.218	2.894

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0	0.9	1.84	2.76	3.68	Depth (Ft.)
0.083	0.06	0.22	0.226	IO	|	|	|	|	1.09
0.167	0.14	0.22	0.225	|O	|	|	|	|	1.09
0.250	0.15	0.22	0.225	|O	|	|	|	|	1.09
0.333	0.19	0.22	0.225	|O	|	|	|	|	1.09
0.417	0.23	0.22	0.225	|OI	|	|	|	|	1.09
0.500	0.24	0.22	0.225	|OI	|	|	|	|	1.09
0.583	0.25	0.22	0.225	|OI	|	|	|	|	1.09
0.667	0.25	0.22	0.225	|OI	|	|	|	|	1.09
0.750	0.25	0.22	0.225	|OI	|	|	|	|	1.09
0.833	0.28	0.22	0.226	|OI	|	|	|	|	1.09
0.917	0.32	0.22	0.226	|OI	|	|	|	|	1.09
1.000	0.32	0.22	0.227	|OI	|	|	|	|	1.09
1.083	0.30	0.23	0.227	|OI	|	|	|	|	1.10
1.167	0.26	0.23	0.228	|OI	|	|	|	|	1.10
1.250	0.25	0.23	0.228	|OI	|	|	|	|	1.10
1.333	0.25	0.23	0.228	|OI	|	|	|	|	1.10
1.417	0.25	0.23	0.228	| O	|	|	|	|	1.10
1.500	0.25	0.23	0.228	| O	|	|	|	|	1.10
1.583	0.25	0.23	0.228	| O	|	|	|	|	1.10
1.667	0.25	0.23	0.229	| O	|	|	|	|	1.10
1.750	0.25	0.23	0.229	| O	|	|	|	|	1.10
1.833	0.28	0.23	0.229	| O	|	|	|	|	1.10
1.917	0.32	0.23	0.229	| O	|	|	|	|	1.10
2.000	0.32	0.24	0.230	| O	|	|	|	|	1.11
2.083	0.33	0.24	0.230	| O	|	|	|	|	1.11
2.167	0.33	0.24	0.231	| O	|	|	|	|	1.11
2.250	0.33	0.24	0.232	| O	|	|	|	|	1.11
2.333	0.33	0.25	0.232	| O	|	|	|	|	1.12
2.417	0.33	0.25	0.233	| O	|	|	|	|	1.12
2.500	0.33	0.25	0.233	| O	|	|	|	|	1.12
2.583	0.36	0.25	0.234	| OI	|	|	|	|	1.12
2.667	0.40	0.26	0.235	| OI	|	|	|	|	1.13

2.750	0.41	0.26	0.236	OI				1.13
2.833	0.41	0.26	0.237	OI				1.13
2.917	0.41	0.27	0.238	OI				1.14
3.000	0.41	0.27	0.239	OI				1.14
3.083	0.41	0.28	0.240	OI				1.14
3.167	0.41	0.28	0.241	OI				1.15
3.250	0.41	0.28	0.242	OI				1.15
3.333	0.41	0.29	0.242	OI				1.16
3.417	0.41	0.29	0.243	OI				1.16
3.500	0.41	0.29	0.244	OI				1.16
3.583	0.41	0.30	0.245	OI				1.17
3.667	0.41	0.30	0.246	OI				1.17
3.750	0.41	0.30	0.246	OI				1.17
3.833	0.44	0.31	0.247	OI				1.17
3.917	0.48	0.31	0.248	O I				1.18
4.000	0.49	0.32	0.250	O I				1.18
4.083	0.49	0.32	0.251	O I				1.19
4.167	0.49	0.32	0.252	O I				1.19
4.250	0.49	0.33	0.253	O I				1.20
4.333	0.53	0.33	0.254	O I				1.20
4.417	0.56	0.34	0.256	O I				1.21
4.500	0.57	0.35	0.257	OI				1.21
4.583	0.57	0.35	0.259	OI				1.22
4.667	0.58	0.36	0.260	O I				1.23
4.750	0.58	0.36	0.262	O I				1.23
4.833	0.61	0.37	0.263	O I				1.24
4.917	0.65	0.38	0.265	O I				1.24
5.000	0.65	0.38	0.267	O I				1.25
5.083	0.59	0.39	0.269	O I				1.26
5.167	0.52	0.40	0.270	OI				1.26
5.250	0.50	0.40	0.270	OI				1.27
5.333	0.53	0.40	0.271	OI				1.27
5.417	0.56	0.41	0.272	OI				1.27
5.500	0.57	0.41	0.273	OI				1.28
5.583	0.61	0.41	0.275	O I				1.28
5.667	0.65	0.42	0.276	O I				1.29
5.750	0.65	0.43	0.278	O I				1.29
5.833	0.66	0.43	0.279	O I				1.30
5.917	0.66	0.44	0.281	O I				1.31
6.000	0.66	0.44	0.282	O I				1.31
6.083	0.69	0.45	0.284	O I				1.32
6.167	0.73	0.46	0.285	O I				1.32
6.250	0.74	0.47	0.287	O I				1.33
6.333	0.74	0.47	0.289	O I				1.34
6.417	0.74	0.48	0.291	O I				1.35
6.500	0.74	0.49	0.293	O I				1.35
6.583	0.77	0.49	0.295	O I				1.36
6.667	0.81	0.50	0.297	O I				1.37
6.750	0.82	0.51	0.299	O I				1.38
6.833	0.82	0.52	0.301	O I				1.39
6.917	0.82	0.53	0.303	O I				1.39
7.000	0.82	0.54	0.305	O I				1.40

7.083	0.82	0.54	0.307	O I				1.41
7.167	0.82	0.55	0.309	O I				1.42
7.250	0.82	0.56	0.311	O I				1.42
7.333	0.86	0.57	0.313	O I				1.43
7.417	0.89	0.57	0.315	O I				1.44
7.500	0.90	0.58	0.317	O I				1.45
7.583	0.94	0.59	0.319	O I				1.46
7.667	0.97	0.60	0.322	O I				1.47
7.750	0.98	0.61	0.324	O I				1.48
7.833	1.02	0.62	0.327	O I				1.49
7.917	1.06	0.63	0.330	O I				1.50
8.000	1.06	0.64	0.332	O I				1.51
8.083	1.13	0.66	0.336	O I				1.52
8.167	1.21	0.67	0.339	O I				1.54
8.250	1.22	0.69	0.343	O I				1.55
8.333	1.23	0.70	0.346	O I				1.56
8.417	1.23	0.71	0.350	O I				1.58
8.500	1.23	0.73	0.354	O I				1.59
8.583	1.27	0.74	0.357	O I				1.61
8.667	1.30	0.76	0.361	O I				1.62
8.750	1.31	0.77	0.365	O I				1.64
8.833	1.35	0.79	0.368	O I				1.65
8.917	1.39	0.80	0.372	O I				1.67
9.000	1.39	0.82	0.376	O I				1.68
9.083	1.46	0.84	0.380	O I				1.70
9.167	1.54	0.85	0.385	O I				1.72
9.250	1.55	0.87	0.390	O I				1.73
9.333	1.59	0.89	0.394	O I				1.75
9.417	1.63	0.91	0.399	O I				1.77
9.500	1.64	0.93	0.404	O I				1.79
9.583	1.70	0.95	0.409	O I				1.81
9.667	1.76	0.97	0.415	O I				1.83
9.750	1.78	0.99	0.420	O I				1.85
9.833	1.84	1.01	0.426	O I				1.88
9.917	1.91	1.04	0.431	O I				1.90
10.000	1.92	1.06	0.437	O I				1.92
10.083	1.66	1.08	0.442	O I				1.94
10.167	1.34	1.09	0.445	O I				1.95
10.250	1.28	1.10	0.447	O I				1.96
10.333	1.25	1.10	0.448	O I				1.96
10.417	1.23	1.11	0.449	O I				1.97
10.500	1.23	1.11	0.449	O I				1.97
10.583	1.42	1.12	0.451	O I				1.98
10.667	1.63	1.13	0.454	O I				1.99
10.750	1.68	1.14	0.457	O I				2.00
10.833	1.71	1.19	0.461	O I				2.01
10.917	1.72	1.24	0.464	O I				2.02
11.000	1.72	1.28	0.468	O I				2.03
11.083	1.68	1.32	0.470	O I				2.04
11.167	1.62	1.35	0.473	O I				2.05
11.250	1.61	1.37	0.474	O I				2.06
11.333	1.61	1.39	0.476	O I				2.06

11.417	1.62	1.41	0.477	|	|	O I |	|	2.07
11.500	1.62	1.43	0.479	|	|	O I |	|	2.07
11.583	1.53	1.44	0.480	|	|	OI |	|	2.07
11.667	1.43	1.44	0.480	|	|	O |	|	2.08
11.750	1.41	1.44	0.480	|	|	O |	|	2.07
11.833	1.45	1.44	0.480	|	|	O |	|	2.07
11.917	1.49	1.44	0.480	|	|	O |	|	2.08
12.000	1.51	1.45	0.480	|	|	OI |	|	2.08
12.083	1.88	1.47	0.482	|	|	O I |	|	2.08
12.167	2.29	1.52	0.486	|	|	O | I |	|	2.10
12.250	2.39	1.59	0.491	|	|	O | I |	|	2.11
12.333	2.48	1.67	0.497	|	|	O | I |	|	2.13
12.417	2.56	1.74	0.503	|	|	O| I |	|	2.15
12.500	2.58	1.81	0.508	|	|	O| I |	|	2.17
12.583	2.69	1.89	0.513	|	|	O I|	|	2.18
12.667	2.81	1.96	0.519	|	|	|O I |	|	2.20
12.750	2.84	2.04	0.525	|	|	|O I |	|	2.22
12.833	2.91	2.11	0.530	|	|	O |I |	|	2.24
12.917	2.98	2.18	0.536	|	|	O |I |	|	2.26
13.000	2.99	2.25	0.541	|	|	O | I |	|	2.28
13.083	3.26	2.33	0.547	|	|	O | I |	|	2.29
13.167	3.56	2.42	0.554	|	|	O | I |	|	2.32
13.250	3.63	2.52	0.562	|	|	O | I|	|	2.34
13.333	3.66	2.62	0.569	|	|	O | I|	|	2.37
13.417	3.67	2.71	0.576	|	|	O| I|	|	2.39
13.500	3.68	2.80	0.582	|	|	O I	|	2.41
13.583	3.12	2.85	0.586	|	|	O I |	|	2.42
13.667	2.47	2.84	0.586	|	|	I O |	|	2.42
13.750	2.34	2.81	0.583	|	|	I O |	|	2.41
13.833	2.28	2.76	0.580	|	|	I O |	|	2.40
13.917	2.26	2.72	0.577	|	|	I O|	|	2.39
14.000	2.26	2.68	0.574	|	|	I O|	|	2.38
14.083	2.47	2.65	0.572	|	|	I O|	|	2.37
14.167	2.71	2.65	0.571	|	|	O|	|	2.37
14.250	2.77	2.66	0.572	|	|	OI	|	2.38
14.333	2.74	2.66	0.572	|	|	O|	|	2.38
14.417	2.70	2.67	0.573	|	|	O|	|	2.38
14.500	2.69	2.67	0.573	|	|	O|	|	2.38
14.583	2.68	2.67	0.573	|	|	O|	|	2.38
14.667	2.69	2.67	0.573	|	|	O|	|	2.38
14.750	2.69	2.67	0.573	|	|	O|	|	2.38
14.833	2.64	2.67	0.573	|	|	IO|	|	2.38
14.917	2.59	2.67	0.573	|	|	IO|	|	2.38
15.000	2.58	2.66	0.572	|	|	IO|	|	2.38
15.083	2.52	2.65	0.571	|	|	I O|	|	2.37
15.167	2.47	2.64	0.570	|	|	IO |	|	2.37
15.250	2.46	2.62	0.569	|	|	IO |	|	2.37
15.333	2.40	2.61	0.568	|	|	I O |	|	2.36
15.417	2.35	2.59	0.566	|	|	I O |	|	2.36
15.500	2.34	2.56	0.565	|	|	I O |	|	2.35
15.583	2.13	2.54	0.563	|	|	I O |	|	2.35
15.667	1.90	2.49	0.559	|	|	I O |	|	2.33

15.750	1.85	2.44	0.555	|	| I O |	|	2.32
15.833	1.83	2.38	0.551	|	| I| O |	|	2.31
15.917	1.82	2.34	0.548	|	| I| O |	|	2.30
16.000	1.83	2.29	0.544	|	| I| O |	|	2.29
16.083	1.24	2.23	0.539	|	I | O |	|	2.27
16.167	0.56	2.11	0.530	| I |	| O |	|	2.24
16.250	0.42	1.97	0.520	| I |	|O |	|	2.21
16.333	0.36	1.83	0.509	| I |	O| |	|	2.17
16.417	0.33	1.70	0.500	| I |	O | |	|	2.14
16.500	0.33	1.58	0.491	| I |	O | |	|	2.11
16.583	0.30	1.47	0.482	| I |	O | |	|	2.08
16.667	0.26	1.37	0.474	| I |	O | |	|	2.06
16.750	0.25	1.27	0.467	| I |	O | |	|	2.03
16.833	0.25	1.18	0.460	| I |	O | |	|	2.01
16.917	0.25	1.13	0.454	| I |	|O | |	|	1.99
17.000	0.25	1.10	0.448	| I |	|O | |	|	1.96
17.083	0.31	1.08	0.442	| I |	|O | |	|	1.94
17.167	0.39	1.06	0.437	| I |	|O | |	|	1.92
17.250	0.40	1.04	0.433	| I |	|O | |	|	1.91
17.333	0.41	1.03	0.429	| I | O | |	|	1.89
17.417	0.41	1.01	0.424	| I | O | |	|	1.87
17.500	0.41	0.99	0.420	| I | O | |	|	1.86
17.583	0.41	0.98	0.416	| I | O | |	|	1.84
17.667	0.41	0.96	0.412	| I | O | |	|	1.82
17.750	0.41	0.95	0.409	| I | O | |	|	1.81
17.833	0.38	0.93	0.405	| I | O | |	|	1.80
17.917	0.34	0.92	0.401	| I | O| |	|	1.78
18.000	0.33	0.90	0.397	| I | O| |	|	1.76
18.083	0.33	0.89	0.393	| I | O| |	|	1.75
18.167	0.33	0.87	0.389	| I | O| |	|	1.73
18.250	0.33	0.86	0.386	| I | O| |	|	1.72
18.333	0.33	0.84	0.382	| I | O| |	|	1.71
18.417	0.33	0.83	0.379	| I | O| |	|	1.69
18.500	0.33	0.82	0.375	| I | O| |	|	1.68
18.583	0.30	0.80	0.372	| I O | |	|	1.67
18.667	0.26	0.79	0.368	| I O | |	|	1.65
18.750	0.25	0.77	0.365	| I O | |	|	1.64
18.833	0.22	0.76	0.361	|I O | |	|	1.62
18.917	0.18	0.74	0.357	|I O | |	|	1.61
19.000	0.17	0.73	0.353	|I O | |	|	1.59
19.083	0.20	0.71	0.350	|I O | |	|	1.58
19.167	0.23	0.70	0.346	| I O | |	|	1.56
19.250	0.24	0.69	0.343	| I O | |	|	1.55
19.333	0.28	0.68	0.340	| I O | |	|	1.54
19.417	0.32	0.67	0.338	| I O | |	|	1.53
19.500	0.32	0.66	0.335	| I O | |	|	1.52
19.583	0.30	0.65	0.333	| I O | |	|	1.51
19.667	0.26	0.64	0.330	| I O | |	|	1.50
19.750	0.25	0.63	0.328	| I O | |	|	1.49
19.833	0.22	0.62	0.325	|I O | |	|	1.48
19.917	0.18	0.60	0.322	|I O | |	|	1.47
20.000	0.17	0.59	0.319	|I O | |	|	1.46

20.083	0.20	0.58	0.317	I O				1.45
20.167	0.23	0.57	0.314	I O				1.44
20.250	0.24	0.56	0.312	I O				1.43
20.333	0.25	0.55	0.310	I O				1.42
20.417	0.25	0.55	0.308	I O				1.41
20.500	0.25	0.54	0.306	I O				1.40
20.583	0.25	0.53	0.304	I O				1.40
20.667	0.25	0.52	0.302	I O				1.39
20.750	0.25	0.52	0.300	I O				1.38
20.833	0.21	0.51	0.298	I O				1.37
20.917	0.18	0.50	0.296	I O				1.37
21.000	0.17	0.49	0.294	I O				1.36
21.083	0.20	0.48	0.292	I O				1.35
21.167	0.23	0.47	0.290	I O				1.34
21.250	0.24	0.47	0.288	I O				1.34
21.333	0.21	0.46	0.286	I O				1.33
21.417	0.18	0.45	0.285	I O				1.32
21.500	0.17	0.45	0.283	I O				1.31
21.583	0.20	0.44	0.281	I O				1.31
21.667	0.23	0.43	0.279	IO				1.30
21.750	0.24	0.43	0.278	IO				1.30
21.833	0.21	0.42	0.277	I O				1.29
21.917	0.18	0.42	0.275	I O				1.28
22.000	0.17	0.41	0.274	I O				1.28
22.083	0.20	0.40	0.272	I O				1.27
22.167	0.23	0.40	0.271	IO				1.27
22.250	0.24	0.39	0.270	IO				1.26
22.333	0.21	0.39	0.268	I O				1.26
22.417	0.18	0.39	0.267	I O				1.25
22.500	0.17	0.38	0.266	I O				1.25
22.583	0.17	0.37	0.264	I O				1.24
22.667	0.16	0.37	0.263	I O				1.24
22.750	0.16	0.36	0.261	I O				1.23
22.833	0.16	0.36	0.260	I O				1.22
22.917	0.16	0.35	0.259	I O				1.22
23.000	0.16	0.35	0.258	I O				1.21
23.083	0.16	0.34	0.256	IO				1.21
23.167	0.16	0.34	0.255	IO				1.21
23.250	0.16	0.33	0.254	IO				1.20
23.333	0.16	0.33	0.253	IO				1.20
23.417	0.16	0.32	0.252	IO				1.19
23.500	0.16	0.32	0.251	IO				1.19
23.583	0.16	0.32	0.250	IO				1.18
23.667	0.16	0.31	0.249	IO				1.18
23.750	0.16	0.31	0.248	IO				1.18
23.833	0.16	0.30	0.247	IO				1.17
23.917	0.16	0.30	0.246	IO				1.17
24.000	0.16	0.30	0.245	IO				1.16
24.083	0.10	0.29	0.244	I O				1.16
24.167	0.03	0.29	0.242	I O				1.15
24.250	0.01	0.28	0.240	I O				1.15
24.333	0.00	0.27	0.238	I O				1.14

24.417	0.00	0.26	0.237	I O				1.13
24.500	0.00	0.26	0.235	I O				1.13
24.583	0.00	0.25	0.233	I O				1.12
24.667	0.00	0.24	0.231	I O				1.11
24.750	0.00	0.24	0.230	I O				1.11
24.833	0.00	0.23	0.228	IO				1.10
24.917	0.00	0.22	0.227	IO				1.09
25.000	0.00	0.22	0.225	IO				1.09
25.083	0.00	0.21	0.224	IO				1.08
25.167	0.00	0.21	0.222	IO				1.08
25.250	0.00	0.20	0.221	IO				1.07
25.333	0.00	0.19	0.219	IO				1.06
25.417	0.00	0.19	0.218	IO				1.06
25.500	0.00	0.18	0.217	IO				1.05
25.583	0.00	0.18	0.215	IO				1.05
25.667	0.00	0.17	0.214	IO				1.04
25.750	0.00	0.17	0.213	IO				1.04
25.833	0.00	0.17	0.212	IO				1.04
25.917	0.00	0.16	0.211	IO				1.03
26.000	0.00	0.16	0.210	IO				1.03
26.083	0.00	0.15	0.209	IO				1.02
26.167	0.00	0.15	0.208	IO				1.02
26.250	0.00	0.14	0.207	IO				1.01
26.333	0.00	0.14	0.206	IO				1.01
26.417	0.00	0.14	0.205	IO				1.01
26.500	0.00	0.13	0.204	IO				1.00
26.583	0.00	0.13	0.203	IO				1.00
26.667	0.00	0.13	0.202	IO				0.99
26.750	0.00	0.13	0.201	IO				0.99
26.833	0.00	0.13	0.200	IO				0.99
26.917	0.00	0.13	0.199	IO				0.98
27.000	0.00	0.13	0.198	IO				0.98
27.083	0.00	0.13	0.198	IO				0.97
27.167	0.00	0.13	0.197	IO				0.97
27.250	0.00	0.13	0.196	IO				0.96
27.333	0.00	0.12	0.195	IO				0.96
27.417	0.00	0.12	0.194	IO				0.96
27.500	0.00	0.12	0.193	IO				0.95
27.583	0.00	0.12	0.192	IO				0.95
27.667	0.00	0.12	0.192	IO				0.94
27.750	0.00	0.12	0.191	IO				0.94
27.833	0.00	0.12	0.190	IO				0.94
27.917	0.00	0.12	0.189	IO				0.93
28.000	0.00	0.12	0.188	IO				0.93
28.083	0.00	0.12	0.187	IO				0.92
28.167	0.00	0.12	0.187	IO				0.92
28.250	0.00	0.12	0.186	IO				0.91
28.333	0.00	0.12	0.185	IO				0.91
28.417	0.00	0.12	0.184	IO				0.91
28.500	0.00	0.12	0.183	IO				0.90
28.583	0.00	0.12	0.182	IO				0.90
28.667	0.00	0.12	0.182	IO				0.89

28.750	0.00	0.12	0.181	IO				0.89
28.833	0.00	0.12	0.180	IO				0.89
28.917	0.00	0.11	0.179	O				0.88
29.000	0.00	0.11	0.178	O				0.88
29.083	0.00	0.11	0.178	O				0.88
29.167	0.00	0.11	0.177	O				0.87
29.250	0.00	0.11	0.176	O				0.87
29.333	0.00	0.11	0.175	O				0.86
29.417	0.00	0.11	0.175	O				0.86
29.500	0.00	0.11	0.174	O				0.86
29.583	0.00	0.11	0.173	O				0.85
29.667	0.00	0.11	0.172	O				0.85
29.750	0.00	0.11	0.172	O				0.84
29.833	0.00	0.11	0.171	O				0.84
29.917	0.00	0.11	0.170	O				0.84
30.000	0.00	0.11	0.169	O				0.83
30.083	0.00	0.11	0.169	O				0.83
30.167	0.00	0.11	0.168	O				0.83
30.250	0.00	0.11	0.167	O				0.82
30.333	0.00	0.11	0.166	O				0.82
30.417	0.00	0.11	0.166	O				0.82
30.500	0.00	0.11	0.165	O				0.81
30.583	0.00	0.11	0.164	O				0.81
30.667	0.00	0.10	0.163	O				0.80
30.750	0.00	0.10	0.163	O				0.80
30.833	0.00	0.10	0.162	O				0.80
30.917	0.00	0.10	0.161	O				0.79
31.000	0.00	0.10	0.161	O				0.79
31.083	0.00	0.10	0.160	O				0.79
31.167	0.00	0.10	0.159	O				0.78
31.250	0.00	0.10	0.158	O				0.78
31.333	0.00	0.10	0.158	O				0.78
31.417	0.00	0.10	0.157	O				0.77
31.500	0.00	0.10	0.156	O				0.77
31.583	0.00	0.10	0.156	O				0.77
31.667	0.00	0.10	0.155	O				0.76
31.750	0.00	0.10	0.154	O				0.76
31.833	0.00	0.10	0.154	O				0.76
31.917	0.00	0.10	0.153	O				0.75
32.000	0.00	0.10	0.152	O				0.75
32.083	0.00	0.10	0.152	O				0.75
32.167	0.00	0.10	0.151	O				0.74
32.250	0.00	0.10	0.150	O				0.74
32.333	0.00	0.10	0.150	O				0.74
32.417	0.00	0.10	0.149	O				0.73
32.500	0.00	0.09	0.148	O				0.73
32.583	0.00	0.09	0.148	O				0.73
32.667	0.00	0.09	0.147	O				0.72
32.750	0.00	0.09	0.146	O				0.72
32.833	0.00	0.09	0.146	O				0.72
32.917	0.00	0.09	0.145	O				0.71
33.000	0.00	0.09	0.144	O				0.71

33.083	0.00	0.09	0.144	O	|	|	|	0.71
33.167	0.00	0.09	0.143	O	|	|	|	0.71
33.250	0.00	0.09	0.143	O	|	|	|	0.70
33.333	0.00	0.09	0.142	O	|	|	|	0.70
33.417	0.00	0.09	0.141	O	|	|	|	0.70
33.500	0.00	0.09	0.141	O	|	|	|	0.69
33.583	0.00	0.09	0.140	O	|	|	|	0.69
33.667	0.00	0.09	0.139	O	|	|	|	0.69
33.750	0.00	0.09	0.139	O	|	|	|	0.68
33.833	0.00	0.09	0.138	O	|	|	|	0.68
33.917	0.00	0.09	0.138	O	|	|	|	0.68
34.000	0.00	0.09	0.137	O	|	|	|	0.67
34.083	0.00	0.09	0.136	O	|	|	|	0.67
34.167	0.00	0.09	0.136	O	|	|	|	0.67
34.250	0.00	0.09	0.135	O	|	|	|	0.67
34.333	0.00	0.09	0.135	O	|	|	|	0.66
34.417	0.00	0.09	0.134	O	|	|	|	0.66
34.500	0.00	0.09	0.133	O	|	|	|	0.66
34.583	0.00	0.09	0.133	O	|	|	|	0.65
34.667	0.00	0.08	0.132	O	|	|	|	0.65
34.750	0.00	0.08	0.132	O	|	|	|	0.65
34.833	0.00	0.08	0.131	O	|	|	|	0.65
34.917	0.00	0.08	0.130	O	|	|	|	0.64
35.000	0.00	0.08	0.130	O	|	|	|	0.64
35.083	0.00	0.08	0.129	O	|	|	|	0.64
35.167	0.00	0.08	0.129	O	|	|	|	0.63
35.250	0.00	0.08	0.128	O	|	|	|	0.63
35.333	0.00	0.08	0.128	O	|	|	|	0.63
35.417	0.00	0.08	0.127	O	|	|	|	0.63
35.500	0.00	0.08	0.127	O	|	|	|	0.62
35.583	0.00	0.08	0.126	O	|	|	|	0.62
35.667	0.00	0.08	0.125	O	|	|	|	0.62
35.750	0.00	0.08	0.125	O	|	|	|	0.62
35.833	0.00	0.08	0.124	O	|	|	|	0.61
35.917	0.00	0.08	0.124	O	|	|	|	0.61
36.000	0.00	0.08	0.123	O	|	|	|	0.61
36.083	0.00	0.08	0.123	O	|	|	|	0.60
36.167	0.00	0.08	0.122	O	|	|	|	0.60
36.250	0.00	0.08	0.122	O	|	|	|	0.60
36.333	0.00	0.08	0.121	O	|	|	|	0.60
36.417	0.00	0.08	0.121	O	|	|	|	0.59
36.500	0.00	0.08	0.120	O	|	|	|	0.59
36.583	0.00	0.08	0.119	O	|	|	|	0.59
36.667	0.00	0.08	0.119	O	|	|	|	0.59
36.750	0.00	0.08	0.118	O	|	|	|	0.58
36.833	0.00	0.08	0.118	O	|	|	|	0.58
36.917	0.00	0.08	0.117	O	|	|	|	0.58
37.000	0.00	0.07	0.117	O	|	|	|	0.58
37.083	0.00	0.07	0.116	O	|	|	|	0.57
37.167	0.00	0.07	0.116	O	|	|	|	0.57
37.250	0.00	0.07	0.115	O	|	|	|	0.57
37.333	0.00	0.07	0.115	O	|	|	|	0.57

37.417	0.00	0.07	0.114	O	|	|	|	|	0.56
37.500	0.00	0.07	0.114	O	|	|	|	|	0.56
37.583	0.00	0.07	0.113	O	|	|	|	|	0.56
37.667	0.00	0.07	0.113	O	|	|	|	|	0.56
37.750	0.00	0.07	0.112	O	|	|	|	|	0.55
37.833	0.00	0.07	0.112	O	|	|	|	|	0.55
37.917	0.00	0.07	0.111	O	|	|	|	|	0.55
38.000	0.00	0.07	0.111	O	|	|	|	|	0.55
38.083	0.00	0.07	0.110	O	|	|	|	|	0.54
38.167	0.00	0.07	0.110	O	|	|	|	|	0.54
38.250	0.00	0.07	0.109	O	|	|	|	|	0.54
38.333	0.00	0.07	0.109	O	|	|	|	|	0.54
38.417	0.00	0.07	0.108	O	|	|	|	|	0.53
38.500	0.00	0.07	0.108	O	|	|	|	|	0.53
38.583	0.00	0.07	0.107	O	|	|	|	|	0.53
38.667	0.00	0.07	0.107	O	|	|	|	|	0.53
38.750	0.00	0.07	0.107	O	|	|	|	|	0.52
38.833	0.00	0.07	0.106	O	|	|	|	|	0.52
38.917	0.00	0.07	0.106	O	|	|	|	|	0.52
39.000	0.00	0.07	0.105	O	|	|	|	|	0.52
39.083	0.00	0.07	0.105	O	|	|	|	|	0.52
39.167	0.00	0.07	0.104	O	|	|	|	|	0.51
39.250	0.00	0.07	0.104	O	|	|	|	|	0.51
39.333	0.00	0.07	0.103	O	|	|	|	|	0.51
39.417	0.00	0.07	0.103	O	|	|	|	|	0.51
39.500	0.00	0.07	0.102	O	|	|	|	|	0.50
39.583	0.00	0.07	0.102	O	|	|	|	|	0.50
39.667	0.00	0.06	0.101	O	|	|	|	|	0.50
39.750	0.00	0.06	0.101	O	|	|	|	|	0.50
39.833	0.00	0.06	0.101	O	|	|	|	|	0.50
39.917	0.00	0.06	0.100	O	|	|	|	|	0.49
40.000	0.00	0.06	0.100	O	|	|	|	|	0.49
40.083	0.00	0.06	0.099	O	|	|	|	|	0.49
40.167	0.00	0.06	0.099	O	|	|	|	|	0.49
40.250	0.00	0.06	0.098	O	|	|	|	|	0.48
40.333	0.00	0.06	0.098	O	|	|	|	|	0.48
40.417	0.00	0.06	0.098	O	|	|	|	|	0.48
40.500	0.00	0.06	0.097	O	|	|	|	|	0.48
40.583	0.00	0.06	0.097	O	|	|	|	|	0.48
40.667	0.00	0.06	0.096	O	|	|	|	|	0.47
40.750	0.00	0.06	0.096	O	|	|	|	|	0.47
40.833	0.00	0.06	0.095	O	|	|	|	|	0.47
40.917	0.00	0.06	0.095	O	|	|	|	|	0.47
41.000	0.00	0.06	0.095	O	|	|	|	|	0.47
41.083	0.00	0.06	0.094	O	|	|	|	|	0.46
41.167	0.00	0.06	0.094	O	|	|	|	|	0.46
41.250	0.00	0.06	0.093	O	|	|	|	|	0.46
41.333	0.00	0.06	0.093	O	|	|	|	|	0.46
41.417	0.00	0.06	0.092	O	|	|	|	|	0.46
41.500	0.00	0.06	0.092	O	|	|	|	|	0.45
41.583	0.00	0.06	0.092	O	|	|	|	|	0.45
41.667	0.00	0.06	0.091	O	|	|	|	|	0.45

41.750	0.00	0.06	0.091	O	|	|	|	0.45
41.833	0.00	0.06	0.090	O	|	|	|	0.45
41.917	0.00	0.06	0.090	O	|	|	|	0.44
42.000	0.00	0.06	0.090	O	|	|	|	0.44
42.083	0.00	0.06	0.089	O	|	|	|	0.44
42.167	0.00	0.06	0.089	O	|	|	|	0.44
42.250	0.00	0.06	0.089	O	|	|	|	0.44
42.333	0.00	0.06	0.088	O	|	|	|	0.43
42.417	0.00	0.06	0.088	O	|	|	|	0.43
42.500	0.00	0.06	0.087	O	|	|	|	0.43
42.583	0.00	0.06	0.087	O	|	|	|	0.43
42.667	0.00	0.06	0.087	O	|	|	|	0.43
42.750	0.00	0.06	0.086	O	|	|	|	0.42
42.833	0.00	0.05	0.086	O	|	|	|	0.42
42.917	0.00	0.05	0.085	O	|	|	|	0.42
43.000	0.00	0.05	0.085	O	|	|	|	0.42
43.083	0.00	0.05	0.085	O	|	|	|	0.42
43.167	0.00	0.05	0.084	O	|	|	|	0.42
43.250	0.00	0.05	0.084	O	|	|	|	0.41
43.333	0.00	0.05	0.084	O	|	|	|	0.41
43.417	0.00	0.05	0.083	O	|	|	|	0.41
43.500	0.00	0.05	0.083	O	|	|	|	0.41
43.583	0.00	0.05	0.082	O	|	|	|	0.41
43.667	0.00	0.05	0.082	O	|	|	|	0.40
43.750	0.00	0.05	0.082	O	|	|	|	0.40
43.833	0.00	0.05	0.081	O	|	|	|	0.40
43.917	0.00	0.05	0.081	O	|	|	|	0.40
44.000	0.00	0.05	0.081	O	|	|	|	0.40
44.083	0.00	0.05	0.080	O	|	|	|	0.40
44.167	0.00	0.05	0.080	O	|	|	|	0.39
44.250	0.00	0.05	0.080	O	|	|	|	0.39
44.333	0.00	0.05	0.079	O	|	|	|	0.39
44.417	0.00	0.05	0.079	O	|	|	|	0.39
44.500	0.00	0.05	0.079	O	|	|	|	0.39
44.583	0.00	0.05	0.078	O	|	|	|	0.39
44.667	0.00	0.05	0.078	O	|	|	|	0.38
44.750	0.00	0.05	0.078	O	|	|	|	0.38
44.833	0.00	0.05	0.077	O	|	|	|	0.38
44.917	0.00	0.05	0.077	O	|	|	|	0.38
45.000	0.00	0.05	0.077	O	|	|	|	0.38
45.083	0.00	0.05	0.076	O	|	|	|	0.38
45.167	0.00	0.05	0.076	O	|	|	|	0.37
45.250	0.00	0.05	0.076	O	|	|	|	0.37
45.333	0.00	0.05	0.075	O	|	|	|	0.37
45.417	0.00	0.05	0.075	O	|	|	|	0.37
45.500	0.00	0.05	0.075	O	|	|	|	0.37
45.583	0.00	0.05	0.074	O	|	|	|	0.37
45.667	0.00	0.05	0.074	O	|	|	|	0.36
45.750	0.00	0.05	0.074	O	|	|	|	0.36
45.833	0.00	0.05	0.073	O	|	|	|	0.36
45.917	0.00	0.05	0.073	O	|	|	|	0.36
46.000	0.00	0.05	0.073	O	|	|	|	0.36

46.083	0.00	0.05	0.072	O	|	|	|	0.36
46.167	0.00	0.05	0.072	O	|	|	|	0.35
46.250	0.00	0.05	0.072	O	|	|	|	0.35
46.333	0.00	0.05	0.071	O	|	|	|	0.35
46.417	0.00	0.05	0.071	O	|	|	|	0.35
46.500	0.00	0.05	0.071	O	|	|	|	0.35
46.583	0.00	0.05	0.070	O	|	|	|	0.35
46.667	0.00	0.04	0.070	O	|	|	|	0.35
46.750	0.00	0.04	0.070	O	|	|	|	0.34
46.833	0.00	0.04	0.069	O	|	|	|	0.34
46.917	0.00	0.04	0.069	O	|	|	|	0.34
47.000	0.00	0.04	0.069	O	|	|	|	0.34
47.083	0.00	0.04	0.069	O	|	|	|	0.34
47.167	0.00	0.04	0.068	O	|	|	|	0.34
47.250	0.00	0.04	0.068	O	|	|	|	0.33
47.333	0.00	0.04	0.068	O	|	|	|	0.33
47.417	0.00	0.04	0.067	O	|	|	|	0.33
47.500	0.00	0.04	0.067	O	|	|	|	0.33
47.583	0.00	0.04	0.067	O	|	|	|	0.33
47.667	0.00	0.04	0.066	O	|	|	|	0.33
47.750	0.00	0.04	0.066	O	|	|	|	0.33
47.833	0.00	0.04	0.066	O	|	|	|	0.32
47.917	0.00	0.04	0.066	O	|	|	|	0.32
48.000	0.00	0.04	0.065	O	|	|	|	0.32
48.083	0.00	0.04	0.065	O	|	|	|	0.32
48.167	0.00	0.04	0.065	O	|	|	|	0.32
48.250	0.00	0.04	0.064	O	|	|	|	0.32
48.333	0.00	0.04	0.064	O	|	|	|	0.32
48.417	0.00	0.04	0.064	O	|	|	|	0.31
48.500	0.00	0.04	0.064	O	|	|	|	0.31
48.583	0.00	0.04	0.063	O	|	|	|	0.31
48.667	0.00	0.04	0.063	O	|	|	|	0.31
48.750	0.00	0.04	0.063	O	|	|	|	0.31
48.833	0.00	0.04	0.062	O	|	|	|	0.31
48.917	0.00	0.04	0.062	O	|	|	|	0.31
49.000	0.00	0.04	0.062	O	|	|	|	0.31
49.083	0.00	0.04	0.062	O	|	|	|	0.30
49.167	0.00	0.04	0.061	O	|	|	|	0.30
49.250	0.00	0.04	0.061	O	|	|	|	0.30
49.333	0.00	0.04	0.061	O	|	|	|	0.30
49.417	0.00	0.04	0.061	O	|	|	|	0.30
49.500	0.00	0.04	0.060	O	|	|	|	0.30
49.583	0.00	0.04	0.060	O	|	|	|	0.30
49.667	0.00	0.04	0.060	O	|	|	|	0.29
49.750	0.00	0.04	0.060	O	|	|	|	0.29
49.833	0.00	0.04	0.059	O	|	|	|	0.29
49.917	0.00	0.04	0.059	O	|	|	|	0.29
50.000	0.00	0.04	0.059	O	|	|	|	0.29
50.083	0.00	0.04	0.058	O	|	|	|	0.29
50.167	0.00	0.04	0.058	O	|	|	|	0.29
50.250	0.00	0.04	0.058	O	|	|	|	0.29
50.333	0.00	0.04	0.058	O	|	|	|	0.28

50.417	0.00	0.04	0.057	O	|	|	|	0.28
50.500	0.00	0.04	0.057	O	|	|	|	0.28
50.583	0.00	0.04	0.057	O	|	|	|	0.28
50.667	0.00	0.04	0.057	O	|	|	|	0.28
50.750	0.00	0.04	0.056	O	|	|	|	0.28
50.833	0.00	0.04	0.056	O	|	|	|	0.28
50.917	0.00	0.04	0.056	O	|	|	|	0.28
51.000	0.00	0.04	0.056	O	|	|	|	0.27
51.083	0.00	0.04	0.055	O	|	|	|	0.27
51.167	0.00	0.04	0.055	O	|	|	|	0.27
51.250	0.00	0.04	0.055	O	|	|	|	0.27
51.333	0.00	0.04	0.055	O	|	|	|	0.27
51.417	0.00	0.03	0.054	O	|	|	|	0.27
51.500	0.00	0.03	0.054	O	|	|	|	0.27
51.583	0.00	0.03	0.054	O	|	|	|	0.27
51.667	0.00	0.03	0.054	O	|	|	|	0.26
51.750	0.00	0.03	0.054	O	|	|	|	0.26
51.833	0.00	0.03	0.053	O	|	|	|	0.26
51.917	0.00	0.03	0.053	O	|	|	|	0.26
52.000	0.00	0.03	0.053	O	|	|	|	0.26
52.083	0.00	0.03	0.053	O	|	|	|	0.26
52.167	0.00	0.03	0.052	O	|	|	|	0.26
52.250	0.00	0.03	0.052	O	|	|	|	0.26
52.333	0.00	0.03	0.052	O	|	|	|	0.26
52.417	0.00	0.03	0.052	O	|	|	|	0.25
52.500	0.00	0.03	0.051	O	|	|	|	0.25
52.583	0.00	0.03	0.051	O	|	|	|	0.25
52.667	0.00	0.03	0.051	O	|	|	|	0.25
52.750	0.00	0.03	0.051	O	|	|	|	0.25
52.833	0.00	0.03	0.051	O	|	|	|	0.25
52.917	0.00	0.03	0.050	O	|	|	|	0.25
53.000	0.00	0.03	0.050	O	|	|	|	0.25
53.083	0.00	0.03	0.050	O	|	|	|	0.25
53.167	0.00	0.03	0.050	O	|	|	|	0.24
53.250	0.00	0.03	0.049	O	|	|	|	0.24
53.333	0.00	0.03	0.049	O	|	|	|	0.24
53.417	0.00	0.03	0.049	O	|	|	|	0.24
53.500	0.00	0.03	0.049	O	|	|	|	0.24
53.583	0.00	0.03	0.049	O	|	|	|	0.24
53.667	0.00	0.03	0.048	O	|	|	|	0.24
53.750	0.00	0.03	0.048	O	|	|	|	0.24
53.833	0.00	0.03	0.048	O	|	|	|	0.24
53.917	0.00	0.03	0.048	O	|	|	|	0.24
54.000	0.00	0.03	0.048	O	|	|	|	0.23
54.083	0.00	0.03	0.047	O	|	|	|	0.23
54.167	0.00	0.03	0.047	O	|	|	|	0.23
54.250	0.00	0.03	0.047	O	|	|	|	0.23
54.333	0.00	0.03	0.047	O	|	|	|	0.23
54.417	0.00	0.03	0.046	O	|	|	|	0.23
54.500	0.00	0.03	0.046	O	|	|	|	0.23
54.583	0.00	0.03	0.046	O	|	|	|	0.23
54.667	0.00	0.03	0.046	O	|	|	|	0.23

54.750	0.00	0.03	0.046	O	|	|	|	0.22
54.833	0.00	0.03	0.045	O	|	|	|	0.22
54.917	0.00	0.03	0.045	O	|	|	|	0.22
55.000	0.00	0.03	0.045	O	|	|	|	0.22
55.083	0.00	0.03	0.045	O	|	|	|	0.22
55.167	0.00	0.03	0.045	O	|	|	|	0.22
55.250	0.00	0.03	0.044	O	|	|	|	0.22
55.333	0.00	0.03	0.044	O	|	|	|	0.22
55.417	0.00	0.03	0.044	O	|	|	|	0.22
55.500	0.00	0.03	0.044	O	|	|	|	0.22
55.583	0.00	0.03	0.044	O	|	|	|	0.22
55.667	0.00	0.03	0.044	O	|	|	|	0.21
55.750	0.00	0.03	0.043	O	|	|	|	0.21
55.833	0.00	0.03	0.043	O	|	|	|	0.21
55.917	0.00	0.03	0.043	O	|	|	|	0.21
56.000	0.00	0.03	0.043	O	|	|	|	0.21
56.083	0.00	0.03	0.043	O	|	|	|	0.21
56.167	0.00	0.03	0.042	O	|	|	|	0.21
56.250	0.00	0.03	0.042	O	|	|	|	0.21
56.333	0.00	0.03	0.042	O	|	|	|	0.21
56.417	0.00	0.03	0.042	O	|	|	|	0.21
56.500	0.00	0.03	0.042	O	|	|	|	0.21
56.583	0.00	0.03	0.041	O	|	|	|	0.20
56.667	0.00	0.03	0.041	O	|	|	|	0.20
56.750	0.00	0.03	0.041	O	|	|	|	0.20
56.833	0.00	0.03	0.041	O	|	|	|	0.20
56.917	0.00	0.03	0.041	O	|	|	|	0.20
57.000	0.00	0.03	0.041	O	|	|	|	0.20
57.083	0.00	0.03	0.040	O	|	|	|	0.20
57.167	0.00	0.03	0.040	O	|	|	|	0.20
57.250	0.00	0.03	0.040	O	|	|	|	0.20
57.333	0.00	0.03	0.040	O	|	|	|	0.20
57.417	0.00	0.03	0.040	O	|	|	|	0.20
57.500	0.00	0.03	0.039	O	|	|	|	0.19
57.583	0.00	0.03	0.039	O	|	|	|	0.19
57.667	0.00	0.03	0.039	O	|	|	|	0.19
57.750	0.00	0.02	0.039	O	|	|	|	0.19
57.833	0.00	0.02	0.039	O	|	|	|	0.19
57.917	0.00	0.02	0.039	O	|	|	|	0.19
58.000	0.00	0.02	0.038	O	|	|	|	0.19
58.083	0.00	0.02	0.038	O	|	|	|	0.19
58.167	0.00	0.02	0.038	O	|	|	|	0.19
58.250	0.00	0.02	0.038	O	|	|	|	0.19
58.333	0.00	0.02	0.038	O	|	|	|	0.19
58.417	0.00	0.02	0.038	O	|	|	|	0.19
58.500	0.00	0.02	0.037	O	|	|	|	0.18
58.583	0.00	0.02	0.037	O	|	|	|	0.18
58.667	0.00	0.02	0.037	O	|	|	|	0.18
58.750	0.00	0.02	0.037	O	|	|	|	0.18
58.833	0.00	0.02	0.037	O	|	|	|	0.18
58.917	0.00	0.02	0.037	O	|	|	|	0.18
59.000	0.00	0.02	0.036	O	|	|	|	0.18

59.083	0.00	0.02	0.036	O	|	|	|	0.18
59.167	0.00	0.02	0.036	O	|	|	|	0.18
59.250	0.00	0.02	0.036	O	|	|	|	0.18
59.333	0.00	0.02	0.036	O	|	|	|	0.18
59.417	0.00	0.02	0.036	O	|	|	|	0.18
59.500	0.00	0.02	0.036	O	|	|	|	0.17
59.583	0.00	0.02	0.035	O	|	|	|	0.17
59.667	0.00	0.02	0.035	O	|	|	|	0.17
59.750	0.00	0.02	0.035	O	|	|	|	0.17
59.833	0.00	0.02	0.035	O	|	|	|	0.17
59.917	0.00	0.02	0.035	O	|	|	|	0.17
60.000	0.00	0.02	0.035	O	|	|	|	0.17
60.083	0.00	0.02	0.034	O	|	|	|	0.17
60.167	0.00	0.02	0.034	O	|	|	|	0.17
60.250	0.00	0.02	0.034	O	|	|	|	0.17
60.333	0.00	0.02	0.034	O	|	|	|	0.17
60.417	0.00	0.02	0.034	O	|	|	|	0.17
60.500	0.00	0.02	0.034	O	|	|	|	0.17
60.583	0.00	0.02	0.034	O	|	|	|	0.17
60.667	0.00	0.02	0.033	O	|	|	|	0.16
60.750	0.00	0.02	0.033	O	|	|	|	0.16
60.833	0.00	0.02	0.033	O	|	|	|	0.16
60.917	0.00	0.02	0.033	O	|	|	|	0.16
61.000	0.00	0.02	0.033	O	|	|	|	0.16
61.083	0.00	0.02	0.033	O	|	|	|	0.16
61.167	0.00	0.02	0.033	O	|	|	|	0.16
61.250	0.00	0.02	0.032	O	|	|	|	0.16
61.333	0.00	0.02	0.032	O	|	|	|	0.16
61.417	0.00	0.02	0.032	O	|	|	|	0.16
61.500	0.00	0.02	0.032	O	|	|	|	0.16
61.583	0.00	0.02	0.032	O	|	|	|	0.16
61.667	0.00	0.02	0.032	O	|	|	|	0.16
61.750	0.00	0.02	0.032	O	|	|	|	0.16
61.833	0.00	0.02	0.031	O	|	|	|	0.15
61.917	0.00	0.02	0.031	O	|	|	|	0.15
62.000	0.00	0.02	0.031	O	|	|	|	0.15
62.083	0.00	0.02	0.031	O	|	|	|	0.15
62.167	0.00	0.02	0.031	O	|	|	|	0.15
62.250	0.00	0.02	0.031	O	|	|	|	0.15
62.333	0.00	0.02	0.031	O	|	|	|	0.15
62.417	0.00	0.02	0.030	O	|	|	|	0.15
62.500	0.00	0.02	0.030	O	|	|	|	0.15
62.583	0.00	0.02	0.030	O	|	|	|	0.15
62.667	0.00	0.02	0.030	O	|	|	|	0.15
62.750	0.00	0.02	0.030	O	|	|	|	0.15
62.833	0.00	0.02	0.030	O	|	|	|	0.15
62.917	0.00	0.02	0.030	O	|	|	|	0.15
63.000	0.00	0.02	0.030	O	|	|	|	0.15
63.083	0.00	0.02	0.029	O	|	|	|	0.14
63.167	0.00	0.02	0.029	O	|	|	|	0.14
63.250	0.00	0.02	0.029	O	|	|	|	0.14
63.333	0.00	0.02	0.029	O	|	|	|	0.14

63.417	0.00	0.02	0.029	O	|	|	|	0.14
63.500	0.00	0.02	0.029	O	|	|	|	0.14
63.583	0.00	0.02	0.029	O	|	|	|	0.14
63.667	0.00	0.02	0.028	O	|	|	|	0.14
63.750	0.00	0.02	0.028	O	|	|	|	0.14
63.833	0.00	0.02	0.028	O	|	|	|	0.14
63.917	0.00	0.02	0.028	O	|	|	|	0.14
64.000	0.00	0.02	0.028	O	|	|	|	0.14
64.083	0.00	0.02	0.028	O	|	|	|	0.14
64.167	0.00	0.02	0.028	O	|	|	|	0.14
64.250	0.00	0.02	0.028	O	|	|	|	0.14
64.333	0.00	0.02	0.028	O	|	|	|	0.14
64.417	0.00	0.02	0.027	O	|	|	|	0.13
64.500	0.00	0.02	0.027	O	|	|	|	0.13
64.583	0.00	0.02	0.027	O	|	|	|	0.13
64.667	0.00	0.02	0.027	O	|	|	|	0.13
64.750	0.00	0.02	0.027	O	|	|	|	0.13
64.833	0.00	0.02	0.027	O	|	|	|	0.13
64.917	0.00	0.02	0.027	O	|	|	|	0.13
65.000	0.00	0.02	0.027	O	|	|	|	0.13
65.083	0.00	0.02	0.026	O	|	|	|	0.13
65.167	0.00	0.02	0.026	O	|	|	|	0.13
65.250	0.00	0.02	0.026	O	|	|	|	0.13
65.333	0.00	0.02	0.026	O	|	|	|	0.13
65.417	0.00	0.02	0.026	O	|	|	|	0.13
65.500	0.00	0.02	0.026	O	|	|	|	0.13
65.583	0.00	0.02	0.026	O	|	|	|	0.13
65.667	0.00	0.02	0.026	O	|	|	|	0.13
65.750	0.00	0.02	0.026	O	|	|	|	0.13
65.833	0.00	0.02	0.025	O	|	|	|	0.13
65.917	0.00	0.02	0.025	O	|	|	|	0.12
66.000	0.00	0.02	0.025	O	|	|	|	0.12
66.083	0.00	0.02	0.025	O	|	|	|	0.12
66.167	0.00	0.02	0.025	O	|	|	|	0.12
66.250	0.00	0.02	0.025	O	|	|	|	0.12
66.333	0.00	0.02	0.025	O	|	|	|	0.12
66.417	0.00	0.02	0.025	O	|	|	|	0.12
66.500	0.00	0.02	0.025	O	|	|	|	0.12
66.583	0.00	0.02	0.024	O	|	|	|	0.12
66.667	0.00	0.02	0.024	O	|	|	|	0.12
66.750	0.00	0.02	0.024	O	|	|	|	0.12
66.833	0.00	0.02	0.024	O	|	|	|	0.12
66.917	0.00	0.02	0.024	O	|	|	|	0.12
67.000	0.00	0.02	0.024	O	|	|	|	0.12
67.083	0.00	0.02	0.024	O	|	|	|	0.12
67.167	0.00	0.02	0.024	O	|	|	|	0.12
67.250	0.00	0.02	0.024	O	|	|	|	0.12
67.333	0.00	0.02	0.023	O	|	|	|	0.12
67.417	0.00	0.01	0.023	O	|	|	|	0.12
67.500	0.00	0.01	0.023	O	|	|	|	0.11
67.583	0.00	0.01	0.023	O	|	|	|	0.11
67.667	0.00	0.01	0.023	O	|	|	|	0.11

67.750	0.00	0.01	0.023	O	|	|	|	0.11
67.833	0.00	0.01	0.023	O	|	|	|	0.11
67.917	0.00	0.01	0.023	O	|	|	|	0.11
68.000	0.00	0.01	0.023	O	|	|	|	0.11
68.083	0.00	0.01	0.023	O	|	|	|	0.11
68.167	0.00	0.01	0.022	O	|	|	|	0.11
68.250	0.00	0.01	0.022	O	|	|	|	0.11
68.333	0.00	0.01	0.022	O	|	|	|	0.11
68.417	0.00	0.01	0.022	O	|	|	|	0.11
68.500	0.00	0.01	0.022	O	|	|	|	0.11
68.583	0.00	0.01	0.022	O	|	|	|	0.11
68.667	0.00	0.01	0.022	O	|	|	|	0.11
68.750	0.00	0.01	0.022	O	|	|	|	0.11
68.833	0.00	0.01	0.022	O	|	|	|	0.11
68.917	0.00	0.01	0.022	O	|	|	|	0.11
69.000	0.00	0.01	0.021	O	|	|	|	0.11
69.083	0.00	0.01	0.021	O	|	|	|	0.11
69.167	0.00	0.01	0.021	O	|	|	|	0.10
69.250	0.00	0.01	0.021	O	|	|	|	0.10
69.333	0.00	0.01	0.021	O	|	|	|	0.10
69.417	0.00	0.01	0.021	O	|	|	|	0.10
69.500	0.00	0.01	0.021	O	|	|	|	0.10
69.583	0.00	0.01	0.021	O	|	|	|	0.10
69.667	0.00	0.01	0.021	O	|	|	|	0.10
69.750	0.00	0.01	0.021	O	|	|	|	0.10
69.833	0.00	0.01	0.021	O	|	|	|	0.10
69.917	0.00	0.01	0.020	O	|	|	|	0.10
70.000	0.00	0.01	0.020	O	|	|	|	0.10
70.083	0.00	0.01	0.020	O	|	|	|	0.10
70.167	0.00	0.01	0.020	O	|	|	|	0.10
70.250	0.00	0.01	0.020	O	|	|	|	0.10
70.333	0.00	0.01	0.020	O	|	|	|	0.10
70.417	0.00	0.01	0.020	O	|	|	|	0.10
70.500	0.00	0.01	0.020	O	|	|	|	0.10
70.583	0.00	0.01	0.020	O	|	|	|	0.10
70.667	0.00	0.01	0.020	O	|	|	|	0.10
70.750	0.00	0.01	0.020	O	|	|	|	0.10
70.833	0.00	0.01	0.019	O	|	|	|	0.10
70.917	0.00	0.01	0.019	O	|	|	|	0.10
71.000	0.00	0.01	0.019	O	|	|	|	0.10
71.083	0.00	0.01	0.019	O	|	|	|	0.09
71.167	0.00	0.01	0.019	O	|	|	|	0.09
71.250	0.00	0.01	0.019	O	|	|	|	0.09
71.333	0.00	0.01	0.019	O	|	|	|	0.09
71.417	0.00	0.01	0.019	O	|	|	|	0.09
71.500	0.00	0.01	0.019	O	|	|	|	0.09
71.583	0.00	0.01	0.019	O	|	|	|	0.09
71.667	0.00	0.01	0.019	O	|	|	|	0.09
71.750	0.00	0.01	0.019	O	|	|	|	0.09
71.833	0.00	0.01	0.018	O	|	|	|	0.09
71.917	0.00	0.01	0.018	O	|	|	|	0.09
72.000	0.00	0.01	0.018	O	|	|	|	0.09

72.083	0.00	0.01	0.018	O	|	|	|	0.09
72.167	0.00	0.01	0.018	O	|	|	|	0.09
72.250	0.00	0.01	0.018	O	|	|	|	0.09
72.333	0.00	0.01	0.018	O	|	|	|	0.09
72.417	0.00	0.01	0.018	O	|	|	|	0.09
72.500	0.00	0.01	0.018	O	|	|	|	0.09
72.583	0.00	0.01	0.018	O	|	|	|	0.09
72.667	0.00	0.01	0.018	O	|	|	|	0.09
72.750	0.00	0.01	0.018	O	|	|	|	0.09
72.833	0.00	0.01	0.018	O	|	|	|	0.09
72.917	0.00	0.01	0.017	O	|	|	|	0.09
73.000	0.00	0.01	0.017	O	|	|	|	0.09
73.083	0.00	0.01	0.017	O	|	|	|	0.09
73.167	0.00	0.01	0.017	O	|	|	|	0.08
73.250	0.00	0.01	0.017	O	|	|	|	0.08
73.333	0.00	0.01	0.017	O	|	|	|	0.08
73.417	0.00	0.01	0.017	O	|	|	|	0.08
73.500	0.00	0.01	0.017	O	|	|	|	0.08
73.583	0.00	0.01	0.017	O	|	|	|	0.08
73.667	0.00	0.01	0.017	O	|	|	|	0.08
73.750	0.00	0.01	0.017	O	|	|	|	0.08
73.833	0.00	0.01	0.017	O	|	|	|	0.08
73.917	0.00	0.01	0.017	O	|	|	|	0.08
74.000	0.00	0.01	0.016	O	|	|	|	0.08
74.083	0.00	0.01	0.016	O	|	|	|	0.08
74.167	0.00	0.01	0.016	O	|	|	|	0.08
74.250	0.00	0.01	0.016	O	|	|	|	0.08
74.333	0.00	0.01	0.016	O	|	|	|	0.08
74.417	0.00	0.01	0.016	O	|	|	|	0.08
74.500	0.00	0.01	0.016	O	|	|	|	0.08
74.583	0.00	0.01	0.016	O	|	|	|	0.08
74.667	0.00	0.01	0.016	O	|	|	|	0.08
74.750	0.00	0.01	0.016	O	|	|	|	0.08
74.833	0.00	0.01	0.016	O	|	|	|	0.08
74.917	0.00	0.01	0.016	O	|	|	|	0.08
75.000	0.00	0.01	0.016	O	|	|	|	0.08
75.083	0.00	0.01	0.016	O	|	|	|	0.08
75.167	0.00	0.01	0.016	O	|	|	|	0.08
75.250	0.00	0.01	0.015	O	|	|	|	0.08
75.333	0.00	0.01	0.015	O	|	|	|	0.08
75.417	0.00	0.01	0.015	O	|	|	|	0.08
75.500	0.00	0.01	0.015	O	|	|	|	0.08
75.583	0.00	0.01	0.015	O	|	|	|	0.07
75.667	0.00	0.01	0.015	O	|	|	|	0.07
75.750	0.00	0.01	0.015	O	|	|	|	0.07
75.833	0.00	0.01	0.015	O	|	|	|	0.07
75.917	0.00	0.01	0.015	O	|	|	|	0.07
76.000	0.00	0.01	0.015	O	|	|	|	0.07
76.083	0.00	0.01	0.015	O	|	|	|	0.07
76.167	0.00	0.01	0.015	O	|	|	|	0.07
76.250	0.00	0.01	0.015	O	|	|	|	0.07
76.333	0.00	0.01	0.015	O	|	|	|	0.07

76.417	0.00	0.01	0.015	O	|	|	|	|	0.07
76.500	0.00	0.01	0.014	O	|	|	|	|	0.07
76.583	0.00	0.01	0.014	O	|	|	|	|	0.07
76.667	0.00	0.01	0.014	O	|	|	|	|	0.07
76.750	0.00	0.01	0.014	O	|	|	|	|	0.07
76.833	0.00	0.01	0.014	O	|	|	|	|	0.07
76.917	0.00	0.01	0.014	O	|	|	|	|	0.07
77.000	0.00	0.01	0.014	O	|	|	|	|	0.07
77.083	0.00	0.01	0.014	O	|	|	|	|	0.07
77.167	0.00	0.01	0.014	O	|	|	|	|	0.07
77.250	0.00	0.01	0.014	O	|	|	|	|	0.07
77.333	0.00	0.01	0.014	O	|	|	|	|	0.07
77.417	0.00	0.01	0.014	O	|	|	|	|	0.07
77.500	0.00	0.01	0.014	O	|	|	|	|	0.07
77.583	0.00	0.01	0.014	O	|	|	|	|	0.07
77.667	0.00	0.01	0.014	O	|	|	|	|	0.07
77.750	0.00	0.01	0.014	O	|	|	|	|	0.07
77.833	0.00	0.01	0.013	O	|	|	|	|	0.07
77.917	0.00	0.01	0.013	O	|	|	|	|	0.07
78.000	0.00	0.01	0.013	O	|	|	|	|	0.07
78.083	0.00	0.01	0.013	O	|	|	|	|	0.07
78.167	0.00	0.01	0.013	O	|	|	|	|	0.07
78.250	0.00	0.01	0.013	O	|	|	|	|	0.06
78.333	0.00	0.01	0.013	O	|	|	|	|	0.06
78.417	0.00	0.01	0.013	O	|	|	|	|	0.06
78.500	0.00	0.01	0.013	O	|	|	|	|	0.06
78.583	0.00	0.01	0.013	O	|	|	|	|	0.06
78.667	0.00	0.01	0.013	O	|	|	|	|	0.06
78.750	0.00	0.01	0.013	O	|	|	|	|	0.06
78.833	0.00	0.01	0.013	O	|	|	|	|	0.06
78.917	0.00	0.01	0.013	O	|	|	|	|	0.06
79.000	0.00	0.01	0.013	O	|	|	|	|	0.06
79.083	0.00	0.01	0.013	O	|	|	|	|	0.06
79.167	0.00	0.01	0.013	O	|	|	|	|	0.06
79.250	0.00	0.01	0.012	O	|	|	|	|	0.06
79.333	0.00	0.01	0.012	O	|	|	|	|	0.06
79.417	0.00	0.01	0.012	O	|	|	|	|	0.06
79.500	0.00	0.01	0.012	O	|	|	|	|	0.06
79.583	0.00	0.01	0.012	O	|	|	|	|	0.06
79.667	0.00	0.01	0.012	O	|	|	|	|	0.06
79.750	0.00	0.01	0.012	O	|	|	|	|	0.06
79.833	0.00	0.01	0.012	O	|	|	|	|	0.06
79.917	0.00	0.01	0.012	O	|	|	|	|	0.06
80.000	0.00	0.01	0.012	O	|	|	|	|	0.06
80.083	0.00	0.01	0.012	O	|	|	|	|	0.06
80.167	0.00	0.01	0.012	O	|	|	|	|	0.06
80.250	0.00	0.01	0.012	O	|	|	|	|	0.06
80.333	0.00	0.01	0.012	O	|	|	|	|	0.06
80.417	0.00	0.01	0.012	O	|	|	|	|	0.06
80.500	0.00	0.01	0.012	O	|	|	|	|	0.06
80.583	0.00	0.01	0.012	O	|	|	|	|	0.06
80.667	0.00	0.01	0.012	O	|	|	|	|	0.06

80.750	0.00	0.01	0.012	O	|	|	|	0.06
80.833	0.00	0.01	0.011	O	|	|	|	0.06
80.917	0.00	0.01	0.011	O	|	|	|	0.06
81.000	0.00	0.01	0.011	O	|	|	|	0.06
81.083	0.00	0.01	0.011	O	|	|	|	0.06
81.167	0.00	0.01	0.011	O	|	|	|	0.06
81.250	0.00	0.01	0.011	O	|	|	|	0.06
81.333	0.00	0.01	0.011	O	|	|	|	0.06
81.417	0.00	0.01	0.011	O	|	|	|	0.05
81.500	0.00	0.01	0.011	O	|	|	|	0.05
81.583	0.00	0.01	0.011	O	|	|	|	0.05
81.667	0.00	0.01	0.011	O	|	|	|	0.05
81.750	0.00	0.01	0.011	O	|	|	|	0.05
81.833	0.00	0.01	0.011	O	|	|	|	0.05
81.917	0.00	0.01	0.011	O	|	|	|	0.05
82.000	0.00	0.01	0.011	O	|	|	|	0.05
82.083	0.00	0.01	0.011	O	|	|	|	0.05
82.167	0.00	0.01	0.011	O	|	|	|	0.05
82.250	0.00	0.01	0.011	O	|	|	|	0.05
82.333	0.00	0.01	0.011	O	|	|	|	0.05
82.417	0.00	0.01	0.011	O	|	|	|	0.05
82.500	0.00	0.01	0.011	O	|	|	|	0.05
82.583	0.00	0.01	0.010	O	|	|	|	0.05
82.667	0.00	0.01	0.010	O	|	|	|	0.05
82.750	0.00	0.01	0.010	O	|	|	|	0.05
82.833	0.00	0.01	0.010	O	|	|	|	0.05
82.917	0.00	0.01	0.010	O	|	|	|	0.05
83.000	0.00	0.01	0.010	O	|	|	|	0.05
83.083	0.00	0.01	0.010	O	|	|	|	0.05
83.167	0.00	0.01	0.010	O	|	|	|	0.05
83.250	0.00	0.01	0.010	O	|	|	|	0.05
83.333	0.00	0.01	0.010	O	|	|	|	0.05
83.417	0.00	0.01	0.010	O	|	|	|	0.05
83.500	0.00	0.01	0.010	O	|	|	|	0.05
83.583	0.00	0.01	0.010	O	|	|	|	0.05
83.667	0.00	0.01	0.010	O	|	|	|	0.05
83.750	0.00	0.01	0.010	O	|	|	|	0.05
83.833	0.00	0.01	0.010	O	|	|	|	0.05
83.917	0.00	0.01	0.010	O	|	|	|	0.05
84.000	0.00	0.01	0.010	O	|	|	|	0.05
84.083	0.00	0.01	0.010	O	|	|	|	0.05
84.167	0.00	0.01	0.010	O	|	|	|	0.05
84.250	0.00	0.01	0.010	O	|	|	|	0.05
84.333	0.00	0.01	0.010	O	|	|	|	0.05
84.417	0.00	0.01	0.010	O	|	|	|	0.05
84.500	0.00	0.01	0.009	O	|	|	|	0.05
84.583	0.00	0.01	0.009	O	|	|	|	0.05
84.667	0.00	0.01	0.009	O	|	|	|	0.05
84.750	0.00	0.01	0.009	O	|	|	|	0.05
84.833	0.00	0.01	0.009	O	|	|	|	0.05
84.917	0.00	0.01	0.009	O	|	|	|	0.05
85.000	0.00	0.01	0.009	O	|	|	|	0.05

85.083	0.00	0.01	0.009	O	|	|	|	0.05
85.167	0.00	0.01	0.009	O	|	|	|	0.04
85.250	0.00	0.01	0.009	O	|	|	|	0.04
85.333	0.00	0.01	0.009	O	|	|	|	0.04
85.417	0.00	0.01	0.009	O	|	|	|	0.04
85.500	0.00	0.01	0.009	O	|	|	|	0.04
85.583	0.00	0.01	0.009	O	|	|	|	0.04
85.667	0.00	0.01	0.009	O	|	|	|	0.04
85.750	0.00	0.01	0.009	O	|	|	|	0.04
85.833	0.00	0.01	0.009	O	|	|	|	0.04
85.917	0.00	0.01	0.009	O	|	|	|	0.04
86.000	0.00	0.01	0.009	O	|	|	|	0.04
86.083	0.00	0.01	0.009	O	|	|	|	0.04
86.167	0.00	0.01	0.009	O	|	|	|	0.04
86.250	0.00	0.01	0.009	O	|	|	|	0.04
86.333	0.00	0.01	0.009	O	|	|	|	0.04
86.417	0.00	0.01	0.009	O	|	|	|	0.04
86.500	0.00	0.01	0.009	O	|	|	|	0.04
86.583	0.00	0.01	0.008	O	|	|	|	0.04
86.667	0.00	0.01	0.008	O	|	|	|	0.04
86.750	0.00	0.01	0.008	O	|	|	|	0.04
86.833	0.00	0.01	0.008	O	|	|	|	0.04
86.917	0.00	0.01	0.008	O	|	|	|	0.04
87.000	0.00	0.01	0.008	O	|	|	|	0.04
87.083	0.00	0.01	0.008	O	|	|	|	0.04
87.167	0.00	0.01	0.008	O	|	|	|	0.04
87.250	0.00	0.01	0.008	O	|	|	|	0.04
87.333	0.00	0.01	0.008	O	|	|	|	0.04
87.417	0.00	0.01	0.008	O	|	|	|	0.04
87.500	0.00	0.01	0.008	O	|	|	|	0.04
87.583	0.00	0.01	0.008	O	|	|	|	0.04
87.667	0.00	0.01	0.008	O	|	|	|	0.04
87.750	0.00	0.01	0.008	O	|	|	|	0.04
87.833	0.00	0.01	0.008	O	|	|	|	0.04
87.917	0.00	0.01	0.008	O	|	|	|	0.04
88.000	0.00	0.01	0.008	O	|	|	|	0.04
88.083	0.00	0.01	0.008	O	|	|	|	0.04
88.167	0.00	0.00	0.008	O	|	|	|	0.04
88.250	0.00	0.00	0.008	O	|	|	|	0.04
88.333	0.00	0.00	0.008	O	|	|	|	0.04
88.417	0.00	0.00	0.008	O	|	|	|	0.04
88.500	0.00	0.00	0.008	O	|	|	|	0.04
88.583	0.00	0.00	0.008	O	|	|	|	0.04
88.667	0.00	0.00	0.008	O	|	|	|	0.04
88.750	0.00	0.00	0.008	O	|	|	|	0.04
88.833	0.00	0.00	0.008	O	|	|	|	0.04
88.917	0.00	0.00	0.007	O	|	|	|	0.04
89.000	0.00	0.00	0.007	O	|	|	|	0.04
89.083	0.00	0.00	0.007	O	|	|	|	0.04
89.167	0.00	0.00	0.007	O	|	|	|	0.04
89.250	0.00	0.00	0.007	O	|	|	|	0.04
89.333	0.00	0.00	0.007	O	|	|	|	0.04

89.417	0.00	0.00	0.007	O	|	|	|	0.04
89.500	0.00	0.00	0.007	O	|	|	|	0.04
89.583	0.00	0.00	0.007	O	|	|	|	0.04
89.667	0.00	0.00	0.007	O	|	|	|	0.04
89.750	0.00	0.00	0.007	O	|	|	|	0.04
89.833	0.00	0.00	0.007	O	|	|	|	0.04
89.917	0.00	0.00	0.007	O	|	|	|	0.03
90.000	0.00	0.00	0.007	O	|	|	|	0.03
90.083	0.00	0.00	0.007	O	|	|	|	0.03
90.167	0.00	0.00	0.007	O	|	|	|	0.03
90.250	0.00	0.00	0.007	O	|	|	|	0.03
90.333	0.00	0.00	0.007	O	|	|	|	0.03
90.417	0.00	0.00	0.007	O	|	|	|	0.03
90.500	0.00	0.00	0.007	O	|	|	|	0.03
90.583	0.00	0.00	0.007	O	|	|	|	0.03
90.667	0.00	0.00	0.007	O	|	|	|	0.03
90.750	0.00	0.00	0.007	O	|	|	|	0.03
90.833	0.00	0.00	0.007	O	|	|	|	0.03
90.917	0.00	0.00	0.007	O	|	|	|	0.03
91.000	0.00	0.00	0.007	O	|	|	|	0.03
91.083	0.00	0.00	0.007	O	|	|	|	0.03
91.167	0.00	0.00	0.007	O	|	|	|	0.03
91.250	0.00	0.00	0.007	O	|	|	|	0.03
91.333	0.00	0.00	0.007	O	|	|	|	0.03
91.417	0.00	0.00	0.007	O	|	|	|	0.03
91.500	0.00	0.00	0.007	O	|	|	|	0.03
91.583	0.00	0.00	0.007	O	|	|	|	0.03
91.667	0.00	0.00	0.006	O	|	|	|	0.03
91.750	0.00	0.00	0.006	O	|	|	|	0.03
91.833	0.00	0.00	0.006	O	|	|	|	0.03
91.917	0.00	0.00	0.006	O	|	|	|	0.03
92.000	0.00	0.00	0.006	O	|	|	|	0.03
92.083	0.00	0.00	0.006	O	|	|	|	0.03
92.167	0.00	0.00	0.006	O	|	|	|	0.03
92.250	0.00	0.00	0.006	O	|	|	|	0.03
92.333	0.00	0.00	0.006	O	|	|	|	0.03
92.417	0.00	0.00	0.006	O	|	|	|	0.03
92.500	0.00	0.00	0.006	O	|	|	|	0.03
92.583	0.00	0.00	0.006	O	|	|	|	0.03
92.667	0.00	0.00	0.006	O	|	|	|	0.03
92.750	0.00	0.00	0.006	O	|	|	|	0.03
92.833	0.00	0.00	0.006	O	|	|	|	0.03
92.917	0.00	0.00	0.006	O	|	|	|	0.03
93.000	0.00	0.00	0.006	O	|	|	|	0.03
93.083	0.00	0.00	0.006	O	|	|	|	0.03
93.167	0.00	0.00	0.006	O	|	|	|	0.03
93.250	0.00	0.00	0.006	O	|	|	|	0.03
93.333	0.00	0.00	0.006	O	|	|	|	0.03
93.417	0.00	0.00	0.006	O	|	|	|	0.03
93.500	0.00	0.00	0.006	O	|	|	|	0.03
93.583	0.00	0.00	0.006	O	|	|	|	0.03
93.667	0.00	0.00	0.006	O	|	|	|	0.03

93.750	0.00	0.00	0.006	O	|	|	|	0.03
93.833	0.00	0.00	0.006	O	|	|	|	0.03
93.917	0.00	0.00	0.006	O	|	|	|	0.03
94.000	0.00	0.00	0.006	O	|	|	|	0.03
94.083	0.00	0.00	0.006	O	|	|	|	0.03
94.167	0.00	0.00	0.006	O	|	|	|	0.03
94.250	0.00	0.00	0.006	O	|	|	|	0.03
94.333	0.00	0.00	0.006	O	|	|	|	0.03
94.417	0.00	0.00	0.006	O	|	|	|	0.03
94.500	0.00	0.00	0.006	O	|	|	|	0.03
94.583	0.00	0.00	0.006	O	|	|	|	0.03
94.667	0.00	0.00	0.006	O	|	|	|	0.03
94.750	0.00	0.00	0.005	O	|	|	|	0.03
94.833	0.00	0.00	0.005	O	|	|	|	0.03
94.917	0.00	0.00	0.005	O	|	|	|	0.03
95.000	0.00	0.00	0.005	O	|	|	|	0.03
95.083	0.00	0.00	0.005	O	|	|	|	0.03
95.167	0.00	0.00	0.005	O	|	|	|	0.03
95.250	0.00	0.00	0.005	O	|	|	|	0.03
95.333	0.00	0.00	0.005	O	|	|	|	0.03
95.417	0.00	0.00	0.005	O	|	|	|	0.03
95.500	0.00	0.00	0.005	O	|	|	|	0.03
95.583	0.00	0.00	0.005	O	|	|	|	0.03
95.667	0.00	0.00	0.005	O	|	|	|	0.03
95.750	0.00	0.00	0.005	O	|	|	|	0.03
95.833	0.00	0.00	0.005	O	|	|	|	0.03
95.917	0.00	0.00	0.005	O	|	|	|	0.03
96.000	0.00	0.00	0.005	O	|	|	|	0.03
96.083	0.00	0.00	0.005	O	|	|	|	0.03
96.167	0.00	0.00	0.005	O	|	|	|	0.03
96.250	0.00	0.00	0.005	O	|	|	|	0.03
96.333	0.00	0.00	0.005	O	|	|	|	0.02
96.417	0.00	0.00	0.005	O	|	|	|	0.02
96.500	0.00	0.00	0.005	O	|	|	|	0.02
96.583	0.00	0.00	0.005	O	|	|	|	0.02
96.667	0.00	0.00	0.005	O	|	|	|	0.02
96.750	0.00	0.00	0.005	O	|	|	|	0.02
96.833	0.00	0.00	0.005	O	|	|	|	0.02
96.917	0.00	0.00	0.005	O	|	|	|	0.02
97.000	0.00	0.00	0.005	O	|	|	|	0.02
97.083	0.00	0.00	0.005	O	|	|	|	0.02
97.167	0.00	0.00	0.005	O	|	|	|	0.02
97.250	0.00	0.00	0.005	O	|	|	|	0.02
97.333	0.00	0.00	0.005	O	|	|	|	0.02
97.417	0.00	0.00	0.005	O	|	|	|	0.02
97.500	0.00	0.00	0.005	O	|	|	|	0.02
97.583	0.00	0.00	0.005	O	|	|	|	0.02
97.667	0.00	0.00	0.005	O	|	|	|	0.02
97.750	0.00	0.00	0.005	O	|	|	|	0.02
97.833	0.00	0.00	0.005	O	|	|	|	0.02
97.917	0.00	0.00	0.005	O	|	|	|	0.02
98.000	0.00	0.00	0.005	O	|	|	|	0.02

98.083	0.00	0.00	0.005	O	|	|	|	0.02
98.167	0.00	0.00	0.005	O	|	|	|	0.02
98.250	0.00	0.00	0.005	O	|	|	|	0.02
98.333	0.00	0.00	0.005	O	|	|	|	0.02
98.417	0.00	0.00	0.005	O	|	|	|	0.02
98.500	0.00	0.00	0.005	O	|	|	|	0.02
98.583	0.00	0.00	0.004	O	|	|	|	0.02
98.667	0.00	0.00	0.004	O	|	|	|	0.02
98.750	0.00	0.00	0.004	O	|	|	|	0.02
98.833	0.00	0.00	0.004	O	|	|	|	0.02
98.917	0.00	0.00	0.004	O	|	|	|	0.02
99.000	0.00	0.00	0.004	O	|	|	|	0.02
99.083	0.00	0.00	0.004	O	|	|	|	0.02
99.167	0.00	0.00	0.004	O	|	|	|	0.02
99.250	0.00	0.00	0.004	O	|	|	|	0.02
99.333	0.00	0.00	0.004	O	|	|	|	0.02
99.417	0.00	0.00	0.004	O	|	|	|	0.02
99.500	0.00	0.00	0.004	O	|	|	|	0.02
99.583	0.00	0.00	0.004	O	|	|	|	0.02
99.667	0.00	0.00	0.004	O	|	|	|	0.02
99.750	0.00	0.00	0.004	O	|	|	|	0.02
99.833	0.00	0.00	0.004	O	|	|	|	0.02
99.917	0.00	0.00	0.004	O	|	|	|	0.02
100.000	0.00	0.00	0.004	O	|	|	|	0.02
100.083	0.00	0.00	0.004	O	|	|	|	0.02
100.167	0.00	0.00	0.004	O	|	|	|	0.02
100.250	0.00	0.00	0.004	O	|	|	|	0.02
100.333	0.00	0.00	0.004	O	|	|	|	0.02
100.417	0.00	0.00	0.004	O	|	|	|	0.02
100.500	0.00	0.00	0.004	O	|	|	|	0.02
100.583	0.00	0.00	0.004	O	|	|	|	0.02
100.667	0.00	0.00	0.004	O	|	|	|	0.02
100.750	0.00	0.00	0.004	O	|	|	|	0.02
100.833	0.00	0.00	0.004	O	|	|	|	0.02
100.917	0.00	0.00	0.004	O	|	|	|	0.02
101.000	0.00	0.00	0.004	O	|	|	|	0.02
101.083	0.00	0.00	0.004	O	|	|	|	0.02
101.167	0.00	0.00	0.004	O	|	|	|	0.02
101.250	0.00	0.00	0.004	O	|	|	|	0.02
101.333	0.00	0.00	0.004	O	|	|	|	0.02
101.417	0.00	0.00	0.004	O	|	|	|	0.02
101.500	0.00	0.00	0.004	O	|	|	|	0.02
101.583	0.00	0.00	0.004	O	|	|	|	0.02
101.667	0.00	0.00	0.004	O	|	|	|	0.02
101.750	0.00	0.00	0.004	O	|	|	|	0.02
101.833	0.00	0.00	0.004	O	|	|	|	0.02
101.917	0.00	0.00	0.004	O	|	|	|	0.02
102.000	0.00	0.00	0.004	O	|	|	|	0.02
102.083	0.00	0.00	0.004	O	|	|	|	0.02
102.167	0.00	0.00	0.004	O	|	|	|	0.02
102.250	0.00	0.00	0.004	O	|	|	|	0.02
102.333	0.00	0.00	0.004	O	|	|	|	0.02

102.417	0.00	0.00	0.004	O	|	|	|	|	0.02
102.500	0.00	0.00	0.004	O	|	|	|	|	0.02
102.583	0.00	0.00	0.004	O	|	|	|	|	0.02
102.667	0.00	0.00	0.004	O	|	|	|	|	0.02
102.750	0.00	0.00	0.004	O	|	|	|	|	0.02
102.833	0.00	0.00	0.004	O	|	|	|	|	0.02
102.917	0.00	0.00	0.004	O	|	|	|	|	0.02
103.000	0.00	0.00	0.004	O	|	|	|	|	0.02
103.083	0.00	0.00	0.004	O	|	|	|	|	0.02
103.167	0.00	0.00	0.004	O	|	|	|	|	0.02
103.250	0.00	0.00	0.004	O	|	|	|	|	0.02
103.333	0.00	0.00	0.003	O	|	|	|	|	0.02
103.417	0.00	0.00	0.003	O	|	|	|	|	0.02
103.500	0.00	0.00	0.003	O	|	|	|	|	0.02
103.583	0.00	0.00	0.003	O	|	|	|	|	0.02
103.667	0.00	0.00	0.003	O	|	|	|	|	0.02
103.750	0.00	0.00	0.003	O	|	|	|	|	0.02
103.833	0.00	0.00	0.003	O	|	|	|	|	0.02
103.917	0.00	0.00	0.003	O	|	|	|	|	0.02
104.000	0.00	0.00	0.003	O	|	|	|	|	0.02
104.083	0.00	0.00	0.003	O	|	|	|	|	0.02
104.167	0.00	0.00	0.003	O	|	|	|	|	0.02
104.250	0.00	0.00	0.003	O	|	|	|	|	0.02
104.333	0.00	0.00	0.003	O	|	|	|	|	0.02
104.417	0.00	0.00	0.003	O	|	|	|	|	0.02
104.500	0.00	0.00	0.003	O	|	|	|	|	0.02
104.583	0.00	0.00	0.003	O	|	|	|	|	0.02
104.667	0.00	0.00	0.003	O	|	|	|	|	0.02
104.750	0.00	0.00	0.003	O	|	|	|	|	0.02
104.833	0.00	0.00	0.003	O	|	|	|	|	0.02
104.917	0.00	0.00	0.003	O	|	|	|	|	0.02
105.000	0.00	0.00	0.003	O	|	|	|	|	0.02
105.083	0.00	0.00	0.003	O	|	|	|	|	0.02
105.167	0.00	0.00	0.003	O	|	|	|	|	0.02
105.250	0.00	0.00	0.003	O	|	|	|	|	0.02
105.333	0.00	0.00	0.003	O	|	|	|	|	0.02
105.417	0.00	0.00	0.003	O	|	|	|	|	0.02
105.500	0.00	0.00	0.003	O	|	|	|	|	0.02
105.583	0.00	0.00	0.003	O	|	|	|	|	0.02
105.667	0.00	0.00	0.003	O	|	|	|	|	0.02
105.750	0.00	0.00	0.003	O	|	|	|	|	0.02
105.833	0.00	0.00	0.003	O	|	|	|	|	0.02
105.917	0.00	0.00	0.003	O	|	|	|	|	0.02
106.000	0.00	0.00	0.003	O	|	|	|	|	0.01
106.083	0.00	0.00	0.003	O	|	|	|	|	0.01
106.167	0.00	0.00	0.003	O	|	|	|	|	0.01
106.250	0.00	0.00	0.003	O	|	|	|	|	0.01
106.333	0.00	0.00	0.003	O	|	|	|	|	0.01
106.417	0.00	0.00	0.003	O	|	|	|	|	0.01
106.500	0.00	0.00	0.003	O	|	|	|	|	0.01
106.583	0.00	0.00	0.003	O	|	|	|	|	0.01
106.667	0.00	0.00	0.003	O	|	|	|	|	0.01

106.750	0.00	0.00	0.003	O	|	|	|	|	0.01
106.833	0.00	0.00	0.003	O	|	|	|	|	0.01
106.917	0.00	0.00	0.003	O	|	|	|	|	0.01
107.000	0.00	0.00	0.003	O	|	|	|	|	0.01
107.083	0.00	0.00	0.003	O	|	|	|	|	0.01
107.167	0.00	0.00	0.003	O	|	|	|	|	0.01
107.250	0.00	0.00	0.003	O	|	|	|	|	0.01
107.333	0.00	0.00	0.003	O	|	|	|	|	0.01
107.417	0.00	0.00	0.003	O	|	|	|	|	0.01
107.500	0.00	0.00	0.003	O	|	|	|	|	0.01
107.583	0.00	0.00	0.003	O	|	|	|	|	0.01
107.667	0.00	0.00	0.003	O	|	|	|	|	0.01
107.750	0.00	0.00	0.003	O	|	|	|	|	0.01
107.833	0.00	0.00	0.003	O	|	|	|	|	0.01
107.917	0.00	0.00	0.003	O	|	|	|	|	0.01
108.000	0.00	0.00	0.003	O	|	|	|	|	0.01
108.083	0.00	0.00	0.003	O	|	|	|	|	0.01
108.167	0.00	0.00	0.003	O	|	|	|	|	0.01
108.250	0.00	0.00	0.003	O	|	|	|	|	0.01
108.333	0.00	0.00	0.003	O	|	|	|	|	0.01
108.417	0.00	0.00	0.003	O	|	|	|	|	0.01
108.500	0.00	0.00	0.003	O	|	|	|	|	0.01
108.583	0.00	0.00	0.003	O	|	|	|	|	0.01
108.667	0.00	0.00	0.003	O	|	|	|	|	0.01
108.750	0.00	0.00	0.003	O	|	|	|	|	0.01
108.833	0.00	0.00	0.003	O	|	|	|	|	0.01
108.917	0.00	0.00	0.003	O	|	|	|	|	0.01
109.000	0.00	0.00	0.003	O	|	|	|	|	0.01
109.083	0.00	0.00	0.003	O	|	|	|	|	0.01
109.167	0.00	0.00	0.003	O	|	|	|	|	0.01
109.250	0.00	0.00	0.003	O	|	|	|	|	0.01
109.333	0.00	0.00	0.003	O	|	|	|	|	0.01
109.417	0.00	0.00	0.003	O	|	|	|	|	0.01
109.500	0.00	0.00	0.003	O	|	|	|	|	0.01
109.583	0.00	0.00	0.003	O	|	|	|	|	0.01
109.667	0.00	0.00	0.002	O	|	|	|	|	0.01
109.750	0.00	0.00	0.002	O	|	|	|	|	0.01
109.833	0.00	0.00	0.002	O	|	|	|	|	0.01
109.917	0.00	0.00	0.002	O	|	|	|	|	0.01
110.000	0.00	0.00	0.002	O	|	|	|	|	0.01
110.083	0.00	0.00	0.002	O	|	|	|	|	0.01
110.167	0.00	0.00	0.002	O	|	|	|	|	0.01
110.250	0.00	0.00	0.002	O	|	|	|	|	0.01
110.333	0.00	0.00	0.002	O	|	|	|	|	0.01
110.417	0.00	0.00	0.002	O	|	|	|	|	0.01
110.500	0.00	0.00	0.002	O	|	|	|	|	0.01
110.583	0.00	0.00	0.002	O	|	|	|	|	0.01
110.667	0.00	0.00	0.002	O	|	|	|	|	0.01
110.750	0.00	0.00	0.002	O	|	|	|	|	0.01
110.833	0.00	0.00	0.002	O	|	|	|	|	0.01
110.917	0.00	0.00	0.002	O	|	|	|	|	0.01
111.000	0.00	0.00	0.002	O	|	|	|	|	0.01

111.083	0.00	0.00	0.002	O	|	|	|	|	0.01
111.167	0.00	0.00	0.002	O	|	|	|	|	0.01
111.250	0.00	0.00	0.002	O	|	|	|	|	0.01
111.333	0.00	0.00	0.002	O	|	|	|	|	0.01
111.417	0.00	0.00	0.002	O	|	|	|	|	0.01
111.500	0.00	0.00	0.002	O	|	|	|	|	0.01
111.583	0.00	0.00	0.002	O	|	|	|	|	0.01
111.667	0.00	0.00	0.002	O	|	|	|	|	0.01
111.750	0.00	0.00	0.002	O	|	|	|	|	0.01
111.833	0.00	0.00	0.002	O	|	|	|	|	0.01
111.917	0.00	0.00	0.002	O	|	|	|	|	0.01
112.000	0.00	0.00	0.002	O	|	|	|	|	0.01
112.083	0.00	0.00	0.002	O	|	|	|	|	0.01
112.167	0.00	0.00	0.002	O	|	|	|	|	0.01
112.250	0.00	0.00	0.002	O	|	|	|	|	0.01
112.333	0.00	0.00	0.002	O	|	|	|	|	0.01
112.417	0.00	0.00	0.002	O	|	|	|	|	0.01
112.500	0.00	0.00	0.002	O	|	|	|	|	0.01
112.583	0.00	0.00	0.002	O	|	|	|	|	0.01
112.667	0.00	0.00	0.002	O	|	|	|	|	0.01
112.750	0.00	0.00	0.002	O	|	|	|	|	0.01
112.833	0.00	0.00	0.002	O	|	|	|	|	0.01
112.917	0.00	0.00	0.002	O	|	|	|	|	0.01
113.000	0.00	0.00	0.002	O	|	|	|	|	0.01
113.083	0.00	0.00	0.002	O	|	|	|	|	0.01
113.167	0.00	0.00	0.002	O	|	|	|	|	0.01
113.250	0.00	0.00	0.002	O	|	|	|	|	0.01
113.333	0.00	0.00	0.002	O	|	|	|	|	0.01
113.417	0.00	0.00	0.002	O	|	|	|	|	0.01
113.500	0.00	0.00	0.002	O	|	|	|	|	0.01
113.583	0.00	0.00	0.002	O	|	|	|	|	0.01
113.667	0.00	0.00	0.002	O	|	|	|	|	0.01
113.750	0.00	0.00	0.002	O	|	|	|	|	0.01
113.833	0.00	0.00	0.002	O	|	|	|	|	0.01
113.917	0.00	0.00	0.002	O	|	|	|	|	0.01
114.000	0.00	0.00	0.002	O	|	|	|	|	0.01
114.083	0.00	0.00	0.002	O	|	|	|	|	0.01
114.167	0.00	0.00	0.002	O	|	|	|	|	0.01
114.250	0.00	0.00	0.002	O	|	|	|	|	0.01
114.333	0.00	0.00	0.002	O	|	|	|	|	0.01
114.417	0.00	0.00	0.002	O	|	|	|	|	0.01
114.500	0.00	0.00	0.002	O	|	|	|	|	0.01
114.583	0.00	0.00	0.002	O	|	|	|	|	0.01
114.667	0.00	0.00	0.002	O	|	|	|	|	0.01
114.750	0.00	0.00	0.002	O	|	|	|	|	0.01
114.833	0.00	0.00	0.002	O	|	|	|	|	0.01
114.917	0.00	0.00	0.002	O	|	|	|	|	0.01
115.000	0.00	0.00	0.002	O	|	|	|	|	0.01
115.083	0.00	0.00	0.002	O	|	|	|	|	0.01
115.167	0.00	0.00	0.002	O	|	|	|	|	0.01
115.250	0.00	0.00	0.002	O	|	|	|	|	0.01
115.333	0.00	0.00	0.002	O	|	|	|	|	0.01

115.417	0.00	0.00	0.002	O	|	|	|	|	0.01
115.500	0.00	0.00	0.002	O	|	|	|	|	0.01
115.583	0.00	0.00	0.002	O	|	|	|	|	0.01
115.667	0.00	0.00	0.002	O	|	|	|	|	0.01
115.750	0.00	0.00	0.002	O	|	|	|	|	0.01
115.833	0.00	0.00	0.002	O	|	|	|	|	0.01
115.917	0.00	0.00	0.002	O	|	|	|	|	0.01
116.000	0.00	0.00	0.002	O	|	|	|	|	0.01
116.083	0.00	0.00	0.002	O	|	|	|	|	0.01
116.167	0.00	0.00	0.002	O	|	|	|	|	0.01
116.250	0.00	0.00	0.002	O	|	|	|	|	0.01
116.333	0.00	0.00	0.002	O	|	|	|	|	0.01
116.417	0.00	0.00	0.002	O	|	|	|	|	0.01
116.500	0.00	0.00	0.002	O	|	|	|	|	0.01
116.583	0.00	0.00	0.002	O	|	|	|	|	0.01
116.667	0.00	0.00	0.002	O	|	|	|	|	0.01
116.750	0.00	0.00	0.002	O	|	|	|	|	0.01
116.833	0.00	0.00	0.002	O	|	|	|	|	0.01
116.917	0.00	0.00	0.002	O	|	|	|	|	0.01
117.000	0.00	0.00	0.002	O	|	|	|	|	0.01
117.083	0.00	0.00	0.002	O	|	|	|	|	0.01
117.167	0.00	0.00	0.002	O	|	|	|	|	0.01
117.250	0.00	0.00	0.002	O	|	|	|	|	0.01
117.333	0.00	0.00	0.002	O	|	|	|	|	0.01
117.417	0.00	0.00	0.002	O	|	|	|	|	0.01
117.500	0.00	0.00	0.002	O	|	|	|	|	0.01
117.583	0.00	0.00	0.002	O	|	|	|	|	0.01
117.667	0.00	0.00	0.002	O	|	|	|	|	0.01
117.750	0.00	0.00	0.002	O	|	|	|	|	0.01
117.833	0.00	0.00	0.002	O	|	|	|	|	0.01
117.917	0.00	0.00	0.002	O	|	|	|	|	0.01
118.000	0.00	0.00	0.002	O	|	|	|	|	0.01
118.083	0.00	0.00	0.002	O	|	|	|	|	0.01
118.167	0.00	0.00	0.002	O	|	|	|	|	0.01
118.250	0.00	0.00	0.002	O	|	|	|	|	0.01
118.333	0.00	0.00	0.002	O	|	|	|	|	0.01
118.417	0.00	0.00	0.002	O	|	|	|	|	0.01
118.500	0.00	0.00	0.002	O	|	|	|	|	0.01
118.583	0.00	0.00	0.002	O	|	|	|	|	0.01

**********HYDROGRAPH DATA**********

Number of intervals = 1423
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.848 (CFS)
Total volume = 2.102 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

D.2 – BASIN "B" STAGE-STORAGE-OUTFLOW SUMMARY & 100-YEAR ROUTING

Acacia Pointe: Infiltration Basin "B" Volume - Fustrum of a Pyramid Method

$V=1/3*h*(A1+A2+((A1*A2)^{1/2}))$

								Basin Outflow (cfs)			
Input	Basin Depth (ft)	Elevation (ft)	Incremental Depth (ft)	Contour Area (ft^2)	Incremental Volume (ft^3)	Cumulative Vol. (ft^3)	Cumulative Vol. (ac-ft)	Infiltration Outflow (cfs)	X" Orifice @ 1416.9	3' Rec. Weir @ 1417.5	Total Outflow (cfs)
1	**0.00**	1416.00		7,638			**0.000**	0.11			**0.11**
2	**1.00**	1417.00	1	8,207	7,921	7,921	**0.182**	0.12	0.00		**0.12**
3	**2.00**	1418.00	1	10,940	9,541	17,462	**0.401**	0.16	0.00	3.53	**3.69**
4	**3.00**	1419.00	1	12,624	11,772	29,234	**0.671**	0.19	0.00	18.35	**18.54**
5	**4.00**	1420.00	1	14,500	13,551	42,785	**0.982**	0.21	0.00	39.49	**39.70**
6	**5.00**	1421.00	1	16,478	15,478	58,263	**1.338**	0.24	0.00	65.41	**65.66**
7	**6.00**	1422.00	1	18,615	17,536	75,799	**1.740**	0.27	0.00	95.36	**95.64**

WQ Orifice Outflow $Q=CA(2gh)^{1/2}$		
	#1	#2
d (in) =	0	0
C =	0.66	0.66
A (ft^2) =	0.000	0.000
Weir Outflow $Q=C_wLH^{3/2}$		
	CB110	36" Riser
L (ft) =	3	9.42
C_w =	3.33	3.33
Infiltration [1.9 in/hr)		
Q= i/FS/12/3600 x A		

i = design infiltration rate (in/hr)

FS = Factor of Safety

A = wetted surface area (ft^2)

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2022
Study date: 09/12/23

ACACIA POINTE
BASIN ROUTING ANALYSIS
INFILTRATION BASIN "B"
100-YEAR, 1-HOUR

Program License Serial Number 6545

********** HYDROGRAPH INFORMATION **********

From study/file name: BDEV1100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 15
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 13.163 (CFS)
Total volume = 0.432 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****
_____

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 15
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.86(Ft.)

Initial basin depth = 0.86 (Ft.)
Initial basin storage = 0.16 (Ac.Ft)
Initial basin outflow = 0.10 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.182	0.120	0.182	0.182
2.000	0.401	3.690	0.388	0.414
3.000	0.671	18.540	0.607	0.735
4.000	0.982	39.640	0.845	1.119
5.000	1.338	65.660	1.112	1.564
6.000	1.740	95.640	1.411	2.069

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 3.3 6.58 9.87 13.16	Depth (Ft.)
0.083	1.09	0.10	0.159	O I | | | |	0.87
0.167	2.11	0.11	0.170	O I | | | |	0.93
0.250	2.56	0.16	0.185	O I | | | |	1.01
0.333	2.84	0.43	0.201	|O I | | | |	1.09
0.417	3.15	0.71	0.218	|O I| | | |	1.16
0.500	3.63	0.99	0.235	| O I | | |	1.24
0.583	4.17	1.30	0.254	| O | I | | |	1.33
0.667	4.88	1.64	0.275	| O | I | | |	1.43
0.750	6.51	2.07	0.302	| O | I| | |	1.55
0.833	13.16	2.90	0.352	| O| | | I	1.78
0.917	11.04	4.25	0.411	| | O | | I |	2.04
1.000	4.95	5.44	0.433	| | IO | | |	2.12
1.083	2.20	4.85	0.422	| I | O | | |	2.08
1.167	0.37	3.71	0.401	I |O | | |	2.00
1.250	0.10	3.33	0.379	I O | | |	1.90
1.333	0.00	2.98	0.357	I O| | | |	1.80
1.417	0.00	2.66	0.338	I O | | | |	1.71
1.500	0.00	2.38	0.321	I O | | | |	1.63
1.583	0.00	2.13	0.305	I O | | | |	1.56
1.667	0.00	1.90	0.291	I O | | | |	1.50
1.750	0.00	1.70	0.279	I O | | | |	1.44
1.833	0.00	1.52	0.268	I O | | | |	1.39
1.917	0.00	1.36	0.258	I O | | | |	1.35
2.000	0.00	1.21	0.249	I O | | | |	1.31
2.083	0.00	1.08	0.241	I O | | | |	1.27
2.167	0.00	0.97	0.234	I O | | | |	1.24
2.250	0.00	0.87	0.228	I O | | | |	1.21
2.333	0.00	0.77	0.222	IO | | | |	1.18
2.417	0.00	0.69	0.217	IO | | | |	1.16
2.500	0.00	0.62	0.213	IO | | | |	1.14
2.583	0.00	0.55	0.209	IO | | | |	1.12
2.667	0.00	0.49	0.205	IO | | | |	1.10
2.750	0.00	0.44	0.202	IO | | | |	1.09

2.833	0.00	0.39	0.199	O	|	|	|	1.08
2.917	0.00	0.35	0.196	O	|	|	|	1.07
3.000	0.00	0.31	0.194	O	|	|	|	1.05
3.083	0.00	0.28	0.192	O	|	|	|	1.05
3.167	0.00	0.25	0.190	O	|	|	|	1.04
3.250	0.00	0.22	0.188	O	|	|	|	1.03
3.333	0.00	0.20	0.187	O	|	|	|	1.02
3.417	0.00	0.18	0.186	O	|	|	|	1.02
3.500	0.00	0.16	0.184	O	|	|	|	1.01
3.583	0.00	0.14	0.183	O	|	|	|	1.01
3.667	0.00	0.13	0.182	O	|	|	|	1.00
3.750	0.00	0.12	0.182	O	|	|	|	1.00
3.833	0.00	0.12	0.181	O	|	|	|	0.99
3.917	0.00	0.12	0.180	O	|	|	|	0.99
4.000	0.00	0.12	0.179	O	|	|	|	0.98
4.083	0.00	0.12	0.178	O	|	|	|	0.98
4.167	0.00	0.12	0.178	O	|	|	|	0.98
4.250	0.00	0.12	0.177	O	|	|	|	0.97
4.333	0.00	0.12	0.176	O	|	|	|	0.97
4.417	0.00	0.12	0.175	O	|	|	|	0.96
4.500	0.00	0.11	0.174	O	|	|	|	0.96
4.583	0.00	0.11	0.174	O	|	|	|	0.95
4.667	0.00	0.11	0.173	O	|	|	|	0.95
4.750	0.00	0.11	0.172	O	|	|	|	0.95
4.833	0.00	0.11	0.171	O	|	|	|	0.94
4.917	0.00	0.11	0.170	O	|	|	|	0.94
5.000	0.00	0.11	0.170	O	|	|	|	0.93
5.083	0.00	0.11	0.169	O	|	|	|	0.93
5.167	0.00	0.11	0.168	O	|	|	|	0.92
5.250	0.00	0.11	0.167	O	|	|	|	0.92
5.333	0.00	0.11	0.167	O	|	|	|	0.92
5.417	0.00	0.11	0.166	O	|	|	|	0.91
5.500	0.00	0.11	0.165	O	|	|	|	0.91
5.583	0.00	0.11	0.164	O	|	|	|	0.90
5.667	0.00	0.11	0.164	O	|	|	|	0.90
5.750	0.00	0.11	0.163	O	|	|	|	0.89
5.833	0.00	0.11	0.162	O	|	|	|	0.89
5.917	0.00	0.11	0.161	O	|	|	|	0.89
6.000	0.00	0.11	0.161	O	|	|	|	0.88
6.083	0.00	0.11	0.160	O	|	|	|	0.88
6.167	0.00	0.10	0.159	O	|	|	|	0.87
6.250	0.00	0.10	0.159	O	|	|	|	0.87
6.333	0.00	0.10	0.158	O	|	|	|	0.87
6.417	0.00	0.10	0.157	O	|	|	|	0.86
6.500	0.00	0.10	0.156	O	|	|	|	0.86
6.583	0.00	0.10	0.156	O	|	|	|	0.86
6.667	0.00	0.10	0.155	O	|	|	|	0.85
6.750	0.00	0.10	0.154	O	|	|	|	0.85
6.833	0.00	0.10	0.154	O	|	|	|	0.84
6.917	0.00	0.10	0.153	O	|	|	|	0.84
7.000	0.00	0.10	0.152	O	|	|	|	0.84
7.083	0.00	0.10	0.151	O	|	|	|	0.83

7.167	0.00	0.10	0.151	O	|	|	|	0.83
7.250	0.00	0.10	0.150	O	|	|	|	0.82
7.333	0.00	0.10	0.149	O	|	|	|	0.82
7.417	0.00	0.10	0.149	O	|	|	|	0.82
7.500	0.00	0.10	0.148	O	|	|	|	0.81
7.583	0.00	0.10	0.147	O	|	|	|	0.81
7.667	0.00	0.10	0.147	O	|	|	|	0.81
7.750	0.00	0.10	0.146	O	|	|	|	0.80
7.833	0.00	0.10	0.145	O	|	|	|	0.80
7.917	0.00	0.10	0.145	O	|	|	|	0.80
8.000	0.00	0.10	0.144	O	|	|	|	0.79
8.083	0.00	0.09	0.143	O	|	|	|	0.79
8.167	0.00	0.09	0.143	O	|	|	|	0.78
8.250	0.00	0.09	0.142	O	|	|	|	0.78
8.333	0.00	0.09	0.141	O	|	|	|	0.78
8.417	0.00	0.09	0.141	O	|	|	|	0.77
8.500	0.00	0.09	0.140	O	|	|	|	0.77
8.583	0.00	0.09	0.140	O	|	|	|	0.77
8.667	0.00	0.09	0.139	O	|	|	|	0.76
8.750	0.00	0.09	0.138	O	|	|	|	0.76
8.833	0.00	0.09	0.138	O	|	|	|	0.76
8.917	0.00	0.09	0.137	O	|	|	|	0.75
9.000	0.00	0.09	0.136	O	|	|	|	0.75
9.083	0.00	0.09	0.136	O	|	|	|	0.75
9.167	0.00	0.09	0.135	O	|	|	|	0.74
9.250	0.00	0.09	0.135	O	|	|	|	0.74
9.333	0.00	0.09	0.134	O	|	|	|	0.74
9.417	0.00	0.09	0.133	O	|	|	|	0.73
9.500	0.00	0.09	0.133	O	|	|	|	0.73
9.583	0.00	0.09	0.132	O	|	|	|	0.73
9.667	0.00	0.09	0.132	O	|	|	|	0.72
9.750	0.00	0.09	0.131	O	|	|	|	0.72
9.833	0.00	0.09	0.130	O	|	|	|	0.72
9.917	0.00	0.09	0.130	O	|	|	|	0.71
10.000	0.00	0.09	0.129	O	|	|	|	0.71
10.083	0.00	0.08	0.129	O	|	|	|	0.71
10.167	0.00	0.08	0.128	O	|	|	|	0.70
10.250	0.00	0.08	0.127	O	|	|	|	0.70
10.333	0.00	0.08	0.127	O	|	|	|	0.70
10.417	0.00	0.08	0.126	O	|	|	|	0.69
10.500	0.00	0.08	0.126	O	|	|	|	0.69
10.583	0.00	0.08	0.125	O	|	|	|	0.69
10.667	0.00	0.08	0.125	O	|	|	|	0.68
10.750	0.00	0.08	0.124	O	|	|	|	0.68
10.833	0.00	0.08	0.123	O	|	|	|	0.68
10.917	0.00	0.08	0.123	O	|	|	|	0.68
11.000	0.00	0.08	0.122	O	|	|	|	0.67
11.083	0.00	0.08	0.122	O	|	|	|	0.67
11.167	0.00	0.08	0.121	O	|	|	|	0.67
11.250	0.00	0.08	0.121	O	|	|	|	0.66
11.333	0.00	0.08	0.120	O	|	|	|	0.66
11.417	0.00	0.08	0.120	O	|	|	|	0.66

11.500	0.00	0.08	0.119	O	|	|	|	0.65
11.583	0.00	0.08	0.119	O	|	|	|	0.65
11.667	0.00	0.08	0.118	O	|	|	|	0.65
11.750	0.00	0.08	0.117	O	|	|	|	0.65
11.833	0.00	0.08	0.117	O	|	|	|	0.64
11.917	0.00	0.08	0.116	O	|	|	|	0.64
12.000	0.00	0.08	0.116	O	|	|	|	0.64
12.083	0.00	0.08	0.115	O	|	|	|	0.63
12.167	0.00	0.08	0.115	O	|	|	|	0.63
12.250	0.00	0.08	0.114	O	|	|	|	0.63
12.333	0.00	0.08	0.114	O	|	|	|	0.63
12.417	0.00	0.07	0.113	O	|	|	|	0.62
12.500	0.00	0.07	0.113	O	|	|	|	0.62
12.583	0.00	0.07	0.112	O	|	|	|	0.62
12.667	0.00	0.07	0.112	O	|	|	|	0.61
12.750	0.00	0.07	0.111	O	|	|	|	0.61
12.833	0.00	0.07	0.111	O	|	|	|	0.61
12.917	0.00	0.07	0.110	O	|	|	|	0.61
13.000	0.00	0.07	0.110	O	|	|	|	0.60
13.083	0.00	0.07	0.109	O	|	|	|	0.60
13.167	0.00	0.07	0.109	O	|	|	|	0.60
13.250	0.00	0.07	0.108	O	|	|	|	0.59
13.333	0.00	0.07	0.108	O	|	|	|	0.59
13.417	0.00	0.07	0.107	O	|	|	|	0.59
13.500	0.00	0.07	0.107	O	|	|	|	0.59
13.583	0.00	0.07	0.106	O	|	|	|	0.58
13.667	0.00	0.07	0.106	O	|	|	|	0.58
13.750	0.00	0.07	0.105	O	|	|	|	0.58
13.833	0.00	0.07	0.105	O	|	|	|	0.58
13.917	0.00	0.07	0.104	O	|	|	|	0.57
14.000	0.00	0.07	0.104	O	|	|	|	0.57
14.083	0.00	0.07	0.103	O	|	|	|	0.57
14.167	0.00	0.07	0.103	O	|	|	|	0.57
14.250	0.00	0.07	0.103	O	|	|	|	0.56
14.333	0.00	0.07	0.102	O	|	|	|	0.56
14.417	0.00	0.07	0.102	O	|	|	|	0.56
14.500	0.00	0.07	0.101	O	|	|	|	0.56
14.583	0.00	0.07	0.101	O	|	|	|	0.55
14.667	0.00	0.07	0.100	O	|	|	|	0.55
14.750	0.00	0.07	0.100	O	|	|	|	0.55
14.833	0.00	0.07	0.099	O	|	|	|	0.55
14.917	0.00	0.07	0.099	O	|	|	|	0.54
15.000	0.00	0.06	0.098	O	|	|	|	0.54
15.083	0.00	0.06	0.098	O	|	|	|	0.54
15.167	0.00	0.06	0.098	O	|	|	|	0.54
15.250	0.00	0.06	0.097	O	|	|	|	0.53
15.333	0.00	0.06	0.097	O	|	|	|	0.53
15.417	0.00	0.06	0.096	O	|	|	|	0.53
15.500	0.00	0.06	0.096	O	|	|	|	0.53
15.583	0.00	0.06	0.095	O	|	|	|	0.52
15.667	0.00	0.06	0.095	O	|	|	|	0.52
15.750	0.00	0.06	0.094	O	|	|	|	0.52

15.833	0.00	0.06	0.094	O	|	|	|	|	0.52
15.917	0.00	0.06	0.094	O	|	|	|	|	0.51
16.000	0.00	0.06	0.093	O	|	|	|	|	0.51
16.083	0.00	0.06	0.093	O	|	|	|	|	0.51
16.167	0.00	0.06	0.092	O	|	|	|	|	0.51
16.250	0.00	0.06	0.092	O	|	|	|	|	0.51
16.333	0.00	0.06	0.092	O	|	|	|	|	0.50
16.417	0.00	0.06	0.091	O	|	|	|	|	0.50
16.500	0.00	0.06	0.091	O	|	|	|	|	0.50
16.583	0.00	0.06	0.090	O	|	|	|	|	0.50
16.667	0.00	0.06	0.090	O	|	|	|	|	0.49
16.750	0.00	0.06	0.089	O	|	|	|	|	0.49
16.833	0.00	0.06	0.089	O	|	|	|	|	0.49
16.917	0.00	0.06	0.089	O	|	|	|	|	0.49
17.000	0.00	0.06	0.088	O	|	|	|	|	0.48
17.083	0.00	0.06	0.088	O	|	|	|	|	0.48
17.167	0.00	0.06	0.087	O	|	|	|	|	0.48
17.250	0.00	0.06	0.087	O	|	|	|	|	0.48
17.333	0.00	0.06	0.087	O	|	|	|	|	0.48
17.417	0.00	0.06	0.086	O	|	|	|	|	0.47
17.500	0.00	0.06	0.086	O	|	|	|	|	0.47
17.583	0.00	0.06	0.085	O	|	|	|	|	0.47
17.667	0.00	0.06	0.085	O	|	|	|	|	0.47
17.750	0.00	0.06	0.085	O	|	|	|	|	0.47
17.833	0.00	0.06	0.084	O	|	|	|	|	0.46
17.917	0.00	0.06	0.084	O	|	|	|	|	0.46
18.000	0.00	0.06	0.084	O	|	|	|	|	0.46
18.083	0.00	0.05	0.083	O	|	|	|	|	0.46
18.167	0.00	0.05	0.083	O	|	|	|	|	0.45
18.250	0.00	0.05	0.082	O	|	|	|	|	0.45
18.333	0.00	0.05	0.082	O	|	|	|	|	0.45
18.417	0.00	0.05	0.082	O	|	|	|	|	0.45
18.500	0.00	0.05	0.081	O	|	|	|	|	0.45
18.583	0.00	0.05	0.081	O	|	|	|	|	0.44
18.667	0.00	0.05	0.081	O	|	|	|	|	0.44
18.750	0.00	0.05	0.080	O	|	|	|	|	0.44
18.833	0.00	0.05	0.080	O	|	|	|	|	0.44
18.917	0.00	0.05	0.079	O	|	|	|	|	0.44
19.000	0.00	0.05	0.079	O	|	|	|	|	0.43
19.083	0.00	0.05	0.079	O	|	|	|	|	0.43
19.167	0.00	0.05	0.078	O	|	|	|	|	0.43
19.250	0.00	0.05	0.078	O	|	|	|	|	0.43
19.333	0.00	0.05	0.078	O	|	|	|	|	0.43
19.417	0.00	0.05	0.077	O	|	|	|	|	0.42
19.500	0.00	0.05	0.077	O	|	|	|	|	0.42
19.583	0.00	0.05	0.077	O	|	|	|	|	0.42
19.667	0.00	0.05	0.076	O	|	|	|	|	0.42
19.750	0.00	0.05	0.076	O	|	|	|	|	0.42
19.833	0.00	0.05	0.076	O	|	|	|	|	0.42
19.917	0.00	0.05	0.075	O	|	|	|	|	0.41
20.000	0.00	0.05	0.075	O	|	|	|	|	0.41
20.083	0.00	0.05	0.075	O	|	|	|	|	0.41

20.167	0.00	0.05	0.074	O	|	|	|	0.41
20.250	0.00	0.05	0.074	O	|	|	|	0.41
20.333	0.00	0.05	0.074	O	|	|	|	0.40
20.417	0.00	0.05	0.073	O	|	|	|	0.40
20.500	0.00	0.05	0.073	O	|	|	|	0.40
20.583	0.00	0.05	0.073	O	|	|	|	0.40
20.667	0.00	0.05	0.072	O	|	|	|	0.40
20.750	0.00	0.05	0.072	O	|	|	|	0.40
20.833	0.00	0.05	0.072	O	|	|	|	0.39
20.917	0.00	0.05	0.071	O	|	|	|	0.39
21.000	0.00	0.05	0.071	O	|	|	|	0.39
21.083	0.00	0.05	0.071	O	|	|	|	0.39
21.167	0.00	0.05	0.070	O	|	|	|	0.39
21.250	0.00	0.05	0.070	O	|	|	|	0.38
21.333	0.00	0.05	0.070	O	|	|	|	0.38
21.417	0.00	0.05	0.069	O	|	|	|	0.38
21.500	0.00	0.05	0.069	O	|	|	|	0.38
21.583	0.00	0.05	0.069	O	|	|	|	0.38
21.667	0.00	0.05	0.068	O	|	|	|	0.38
21.750	0.00	0.04	0.068	O	|	|	|	0.37
21.833	0.00	0.04	0.068	O	|	|	|	0.37
21.917	0.00	0.04	0.067	O	|	|	|	0.37
22.000	0.00	0.04	0.067	O	|	|	|	0.37
22.083	0.00	0.04	0.067	O	|	|	|	0.37
22.167	0.00	0.04	0.067	O	|	|	|	0.37
22.250	0.00	0.04	0.066	O	|	|	|	0.36
22.333	0.00	0.04	0.066	O	|	|	|	0.36
22.417	0.00	0.04	0.066	O	|	|	|	0.36
22.500	0.00	0.04	0.065	O	|	|	|	0.36
22.583	0.00	0.04	0.065	O	|	|	|	0.36
22.667	0.00	0.04	0.065	O	|	|	|	0.36
22.750	0.00	0.04	0.065	O	|	|	|	0.35
22.833	0.00	0.04	0.064	O	|	|	|	0.35
22.917	0.00	0.04	0.064	O	|	|	|	0.35
23.000	0.00	0.04	0.064	O	|	|	|	0.35
23.083	0.00	0.04	0.063	O	|	|	|	0.35
23.167	0.00	0.04	0.063	O	|	|	|	0.35
23.250	0.00	0.04	0.063	O	|	|	|	0.34
23.333	0.00	0.04	0.062	O	|	|	|	0.34
23.417	0.00	0.04	0.062	O	|	|	|	0.34
23.500	0.00	0.04	0.062	O	|	|	|	0.34
23.583	0.00	0.04	0.062	O	|	|	|	0.34
23.667	0.00	0.04	0.061	O	|	|	|	0.34
23.750	0.00	0.04	0.061	O	|	|	|	0.34
23.833	0.00	0.04	0.061	O	|	|	|	0.33
23.917	0.00	0.04	0.061	O	|	|	|	0.33
24.000	0.00	0.04	0.060	O	|	|	|	0.33
24.083	0.00	0.04	0.060	O	|	|	|	0.33
24.167	0.00	0.04	0.060	O	|	|	|	0.33
24.250	0.00	0.04	0.059	O	|	|	|	0.33
24.333	0.00	0.04	0.059	O	|	|	|	0.33
24.417	0.00	0.04	0.059	O	|	|	|	0.32

24.500	0.00	0.04	0.059	O	|	|	|	0.32
24.583	0.00	0.04	0.058	O	|	|	|	0.32
24.667	0.00	0.04	0.058	O	|	|	|	0.32
24.750	0.00	0.04	0.058	O	|	|	|	0.32
24.833	0.00	0.04	0.058	O	|	|	|	0.32
24.917	0.00	0.04	0.057	O	|	|	|	0.31
25.000	0.00	0.04	0.057	O	|	|	|	0.31
25.083	0.00	0.04	0.057	O	|	|	|	0.31
25.167	0.00	0.04	0.057	O	|	|	|	0.31
25.250	0.00	0.04	0.056	O	|	|	|	0.31
25.333	0.00	0.04	0.056	O	|	|	|	0.31
25.417	0.00	0.04	0.056	O	|	|	|	0.31
25.500	0.00	0.04	0.056	O	|	|	|	0.31
25.583	0.00	0.04	0.055	O	|	|	|	0.30
25.667	0.00	0.04	0.055	O	|	|	|	0.30
25.750	0.00	0.04	0.055	O	|	|	|	0.30
25.833	0.00	0.04	0.055	O	|	|	|	0.30
25.917	0.00	0.04	0.054	O	|	|	|	0.30
26.000	0.00	0.04	0.054	O	|	|	|	0.30
26.083	0.00	0.04	0.054	O	|	|	|	0.30
26.167	0.00	0.04	0.054	O	|	|	|	0.29
26.250	0.00	0.04	0.053	O	|	|	|	0.29
26.333	0.00	0.03	0.053	O	|	|	|	0.29
26.417	0.00	0.03	0.053	O	|	|	|	0.29
26.500	0.00	0.03	0.053	O	|	|	|	0.29
26.583	0.00	0.03	0.052	O	|	|	|	0.29
26.667	0.00	0.03	0.052	O	|	|	|	0.29
26.750	0.00	0.03	0.052	O	|	|	|	0.28
26.833	0.00	0.03	0.052	O	|	|	|	0.28
26.917	0.00	0.03	0.051	O	|	|	|	0.28
27.000	0.00	0.03	0.051	O	|	|	|	0.28
27.083	0.00	0.03	0.051	O	|	|	|	0.28
27.167	0.00	0.03	0.051	O	|	|	|	0.28
27.250	0.00	0.03	0.050	O	|	|	|	0.28
27.333	0.00	0.03	0.050	O	|	|	|	0.28
27.417	0.00	0.03	0.050	O	|	|	|	0.27
27.500	0.00	0.03	0.050	O	|	|	|	0.27
27.583	0.00	0.03	0.050	O	|	|	|	0.27
27.667	0.00	0.03	0.049	O	|	|	|	0.27
27.750	0.00	0.03	0.049	O	|	|	|	0.27
27.833	0.00	0.03	0.049	O	|	|	|	0.27
27.917	0.00	0.03	0.049	O	|	|	|	0.27
28.000	0.00	0.03	0.048	O	|	|	|	0.27
28.083	0.00	0.03	0.048	O	|	|	|	0.27
28.167	0.00	0.03	0.048	O	|	|	|	0.26
28.250	0.00	0.03	0.048	O	|	|	|	0.26
28.333	0.00	0.03	0.048	O	|	|	|	0.26
28.417	0.00	0.03	0.047	O	|	|	|	0.26
28.500	0.00	0.03	0.047	O	|	|	|	0.26
28.583	0.00	0.03	0.047	O	|	|	|	0.26
28.667	0.00	0.03	0.047	O	|	|	|	0.26
28.750	0.00	0.03	0.047	O	|	|	|	0.26

28.833	0.00	0.03	0.046	O	|	|	|	0.25
28.917	0.00	0.03	0.046	O	|	|	|	0.25
29.000	0.00	0.03	0.046	O	|	|	|	0.25
29.083	0.00	0.03	0.046	O	|	|	|	0.25
29.167	0.00	0.03	0.045	O	|	|	|	0.25
29.250	0.00	0.03	0.045	O	|	|	|	0.25
29.333	0.00	0.03	0.045	O	|	|	|	0.25
29.417	0.00	0.03	0.045	O	|	|	|	0.25
29.500	0.00	0.03	0.045	O	|	|	|	0.25
29.583	0.00	0.03	0.044	O	|	|	|	0.24
29.667	0.00	0.03	0.044	O	|	|	|	0.24
29.750	0.00	0.03	0.044	O	|	|	|	0.24
29.833	0.00	0.03	0.044	O	|	|	|	0.24
29.917	0.00	0.03	0.044	O	|	|	|	0.24
30.000	0.00	0.03	0.043	O	|	|	|	0.24
30.083	0.00	0.03	0.043	O	|	|	|	0.24
30.167	0.00	0.03	0.043	O	|	|	|	0.24
30.250	0.00	0.03	0.043	O	|	|	|	0.24
30.333	0.00	0.03	0.043	O	|	|	|	0.23
30.417	0.00	0.03	0.042	O	|	|	|	0.23
30.500	0.00	0.03	0.042	O	|	|	|	0.23
30.583	0.00	0.03	0.042	O	|	|	|	0.23
30.667	0.00	0.03	0.042	O	|	|	|	0.23
30.750	0.00	0.03	0.042	O	|	|	|	0.23
30.833	0.00	0.03	0.042	O	|	|	|	0.23
30.917	0.00	0.03	0.041	O	|	|	|	0.23
31.000	0.00	0.03	0.041	O	|	|	|	0.23
31.083	0.00	0.03	0.041	O	|	|	|	0.23
31.167	0.00	0.03	0.041	O	|	|	|	0.22
31.250	0.00	0.03	0.041	O	|	|	|	0.22
31.333	0.00	0.03	0.040	O	|	|	|	0.22
31.417	0.00	0.03	0.040	O	|	|	|	0.22
31.500	0.00	0.03	0.040	O	|	|	|	0.22
31.583	0.00	0.03	0.040	O	|	|	|	0.22
31.667	0.00	0.03	0.040	O	|	|	|	0.22
31.750	0.00	0.03	0.039	O	|	|	|	0.22
31.833	0.00	0.03	0.039	O	|	|	|	0.22
31.917	0.00	0.03	0.039	O	|	|	|	0.22
32.000	0.00	0.03	0.039	O	|	|	|	0.21
32.083	0.00	0.03	0.039	O	|	|	|	0.21
32.167	0.00	0.03	0.039	O	|	|	|	0.21
32.250	0.00	0.03	0.038	O	|	|	|	0.21
32.333	0.00	0.03	0.038	O	|	|	|	0.21
32.417	0.00	0.03	0.038	O	|	|	|	0.21
32.500	0.00	0.03	0.038	O	|	|	|	0.21
32.583	0.00	0.02	0.038	O	|	|	|	0.21
32.667	0.00	0.02	0.038	O	|	|	|	0.21
32.750	0.00	0.02	0.037	O	|	|	|	0.21
32.833	0.00	0.02	0.037	O	|	|	|	0.20
32.917	0.00	0.02	0.037	O	|	|	|	0.20
33.000	0.00	0.02	0.037	O	|	|	|	0.20
33.083	0.00	0.02	0.037	O	|	|	|	0.20

33.167	0.00	0.02	0.037	O	|	|	|	|	0.20
33.250	0.00	0.02	0.036	O	|	|	|	|	0.20
33.333	0.00	0.02	0.036	O	|	|	|	|	0.20
33.417	0.00	0.02	0.036	O	|	|	|	|	0.20
33.500	0.00	0.02	0.036	O	|	|	|	|	0.20
33.583	0.00	0.02	0.036	O	|	|	|	|	0.20
33.667	0.00	0.02	0.036	O	|	|	|	|	0.20
33.750	0.00	0.02	0.035	O	|	|	|	|	0.19
33.833	0.00	0.02	0.035	O	|	|	|	|	0.19
33.917	0.00	0.02	0.035	O	|	|	|	|	0.19
34.000	0.00	0.02	0.035	O	|	|	|	|	0.19
34.083	0.00	0.02	0.035	O	|	|	|	|	0.19
34.167	0.00	0.02	0.035	O	|	|	|	|	0.19
34.250	0.00	0.02	0.034	O	|	|	|	|	0.19
34.333	0.00	0.02	0.034	O	|	|	|	|	0.19
34.417	0.00	0.02	0.034	O	|	|	|	|	0.19
34.500	0.00	0.02	0.034	O	|	|	|	|	0.19
34.583	0.00	0.02	0.034	O	|	|	|	|	0.19
34.667	0.00	0.02	0.034	O	|	|	|	|	0.19
34.750	0.00	0.02	0.034	O	|	|	|	|	0.18
34.833	0.00	0.02	0.033	O	|	|	|	|	0.18
34.917	0.00	0.02	0.033	O	|	|	|	|	0.18
35.000	0.00	0.02	0.033	O	|	|	|	|	0.18
35.083	0.00	0.02	0.033	O	|	|	|	|	0.18
35.167	0.00	0.02	0.033	O	|	|	|	|	0.18
35.250	0.00	0.02	0.033	O	|	|	|	|	0.18
35.333	0.00	0.02	0.032	O	|	|	|	|	0.18
35.417	0.00	0.02	0.032	O	|	|	|	|	0.18
35.500	0.00	0.02	0.032	O	|	|	|	|	0.18
35.583	0.00	0.02	0.032	O	|	|	|	|	0.18
35.667	0.00	0.02	0.032	O	|	|	|	|	0.18
35.750	0.00	0.02	0.032	O	|	|	|	|	0.17
35.833	0.00	0.02	0.032	O	|	|	|	|	0.17
35.917	0.00	0.02	0.031	O	|	|	|	|	0.17
36.000	0.00	0.02	0.031	O	|	|	|	|	0.17
36.083	0.00	0.02	0.031	O	|	|	|	|	0.17
36.167	0.00	0.02	0.031	O	|	|	|	|	0.17
36.250	0.00	0.02	0.031	O	|	|	|	|	0.17
36.333	0.00	0.02	0.031	O	|	|	|	|	0.17
36.417	0.00	0.02	0.031	O	|	|	|	|	0.17
36.500	0.00	0.02	0.030	O	|	|	|	|	0.17
36.583	0.00	0.02	0.030	O	|	|	|	|	0.17
36.667	0.00	0.02	0.030	O	|	|	|	|	0.17
36.750	0.00	0.02	0.030	O	|	|	|	|	0.17
36.833	0.00	0.02	0.030	O	|	|	|	|	0.16
36.917	0.00	0.02	0.030	O	|	|	|	|	0.16
37.000	0.00	0.02	0.030	O	|	|	|	|	0.16
37.083	0.00	0.02	0.030	O	|	|	|	|	0.16
37.167	0.00	0.02	0.029	O	|	|	|	|	0.16
37.250	0.00	0.02	0.029	O	|	|	|	|	0.16
37.333	0.00	0.02	0.029	O	|	|	|	|	0.16
37.417	0.00	0.02	0.029	O	|	|	|	|	0.16

37.500	0.00	0.02	0.029	O	|	|	|	0.16
37.583	0.00	0.02	0.029	O	|	|	|	0.16
37.667	0.00	0.02	0.029	O	|	|	|	0.16
37.750	0.00	0.02	0.028	O	|	|	|	0.16
37.833	0.00	0.02	0.028	O	|	|	|	0.16
37.917	0.00	0.02	0.028	O	|	|	|	0.16
38.000	0.00	0.02	0.028	O	|	|	|	0.15
38.083	0.00	0.02	0.028	O	|	|	|	0.15
38.167	0.00	0.02	0.028	O	|	|	|	0.15
38.250	0.00	0.02	0.028	O	|	|	|	0.15
38.333	0.00	0.02	0.028	O	|	|	|	0.15
38.417	0.00	0.02	0.027	O	|	|	|	0.15
38.500	0.00	0.02	0.027	O	|	|	|	0.15
38.583	0.00	0.02	0.027	O	|	|	|	0.15
38.667	0.00	0.02	0.027	O	|	|	|	0.15
38.750	0.00	0.02	0.027	O	|	|	|	0.15
38.833	0.00	0.02	0.027	O	|	|	|	0.15
38.917	0.00	0.02	0.027	O	|	|	|	0.15
39.000	0.00	0.02	0.027	O	|	|	|	0.15
39.083	0.00	0.02	0.026	O	|	|	|	0.15
39.167	0.00	0.02	0.026	O	|	|	|	0.14
39.250	0.00	0.02	0.026	O	|	|	|	0.14
39.333	0.00	0.02	0.026	O	|	|	|	0.14
39.417	0.00	0.02	0.026	O	|	|	|	0.14
39.500	0.00	0.02	0.026	O	|	|	|	0.14
39.583	0.00	0.02	0.026	O	|	|	|	0.14
39.667	0.00	0.02	0.026	O	|	|	|	0.14
39.750	0.00	0.02	0.026	O	|	|	|	0.14
39.833	0.00	0.02	0.025	O	|	|	|	0.14
39.917	0.00	0.02	0.025	O	|	|	|	0.14
40.000	0.00	0.02	0.025	O	|	|	|	0.14
40.083	0.00	0.02	0.025	O	|	|	|	0.14
40.167	0.00	0.02	0.025	O	|	|	|	0.14
40.250	0.00	0.02	0.025	O	|	|	|	0.14
40.333	0.00	0.02	0.025	O	|	|	|	0.14
40.417	0.00	0.02	0.025	O	|	|	|	0.14
40.500	0.00	0.02	0.025	O	|	|	|	0.13
40.583	0.00	0.02	0.024	O	|	|	|	0.13
40.667	0.00	0.02	0.024	O	|	|	|	0.13
40.750	0.00	0.02	0.024	O	|	|	|	0.13
40.833	0.00	0.02	0.024	O	|	|	|	0.13
40.917	0.00	0.02	0.024	O	|	|	|	0.13
41.000	0.00	0.02	0.024	O	|	|	|	0.13
41.083	0.00	0.02	0.024	O	|	|	|	0.13
41.167	0.00	0.02	0.024	O	|	|	|	0.13
41.250	0.00	0.02	0.024	O	|	|	|	0.13
41.333	0.00	0.02	0.023	O	|	|	|	0.13
41.417	0.00	0.02	0.023	O	|	|	|	0.13
41.500	0.00	0.02	0.023	O	|	|	|	0.13
41.583	0.00	0.02	0.023	O	|	|	|	0.13
41.667	0.00	0.02	0.023	O	|	|	|	0.13
41.750	0.00	0.02	0.023	O	|	|	|	0.13

41.833	0.00	0.02	0.023	O	|	|	|	0.13
41.917	0.00	0.01	0.023	O	|	|	|	0.12
42.000	0.00	0.01	0.023	O	|	|	|	0.12
42.083	0.00	0.01	0.022	O	|	|	|	0.12
42.167	0.00	0.01	0.022	O	|	|	|	0.12
42.250	0.00	0.01	0.022	O	|	|	|	0.12
42.333	0.00	0.01	0.022	O	|	|	|	0.12
42.417	0.00	0.01	0.022	O	|	|	|	0.12
42.500	0.00	0.01	0.022	O	|	|	|	0.12
42.583	0.00	0.01	0.022	O	|	|	|	0.12
42.667	0.00	0.01	0.022	O	|	|	|	0.12
42.750	0.00	0.01	0.022	O	|	|	|	0.12
42.833	0.00	0.01	0.022	O	|	|	|	0.12
42.917	0.00	0.01	0.021	O	|	|	|	0.12
43.000	0.00	0.01	0.021	O	|	|	|	0.12
43.083	0.00	0.01	0.021	O	|	|	|	0.12
43.167	0.00	0.01	0.021	O	|	|	|	0.12
43.250	0.00	0.01	0.021	O	|	|	|	0.12
43.333	0.00	0.01	0.021	O	|	|	|	0.12
43.417	0.00	0.01	0.021	O	|	|	|	0.11
43.500	0.00	0.01	0.021	O	|	|	|	0.11
43.583	0.00	0.01	0.021	O	|	|	|	0.11
43.667	0.00	0.01	0.021	O	|	|	|	0.11
43.750	0.00	0.01	0.021	O	|	|	|	0.11
43.833	0.00	0.01	0.020	O	|	|	|	0.11
43.917	0.00	0.01	0.020	O	|	|	|	0.11
44.000	0.00	0.01	0.020	O	|	|	|	0.11
44.083	0.00	0.01	0.020	O	|	|	|	0.11
44.167	0.00	0.01	0.020	O	|	|	|	0.11
44.250	0.00	0.01	0.020	O	|	|	|	0.11
44.333	0.00	0.01	0.020	O	|	|	|	0.11
44.417	0.00	0.01	0.020	O	|	|	|	0.11
44.500	0.00	0.01	0.020	O	|	|	|	0.11
44.583	0.00	0.01	0.020	O	|	|	|	0.11
44.667	0.00	0.01	0.020	O	|	|	|	0.11
44.750	0.00	0.01	0.019	O	|	|	|	0.11
44.833	0.00	0.01	0.019	O	|	|	|	0.11
44.917	0.00	0.01	0.019	O	|	|	|	0.11
45.000	0.00	0.01	0.019	O	|	|	|	0.11
45.083	0.00	0.01	0.019	O	|	|	|	0.10
45.167	0.00	0.01	0.019	O	|	|	|	0.10
45.250	0.00	0.01	0.019	O	|	|	|	0.10
45.333	0.00	0.01	0.019	O	|	|	|	0.10
45.417	0.00	0.01	0.019	O	|	|	|	0.10
45.500	0.00	0.01	0.019	O	|	|	|	0.10
45.583	0.00	0.01	0.019	O	|	|	|	0.10
45.667	0.00	0.01	0.019	O	|	|	|	0.10
45.750	0.00	0.01	0.018	O	|	|	|	0.10
45.833	0.00	0.01	0.018	O	|	|	|	0.10
45.917	0.00	0.01	0.018	O	|	|	|	0.10
46.000	0.00	0.01	0.018	O	|	|	|	0.10
46.083	0.00	0.01	0.018	O	|	|	|	0.10

46.167	0.00	0.01	0.018	O	|	|	|	|	0.10
46.250	0.00	0.01	0.018	O	|	|	|	|	0.10
46.333	0.00	0.01	0.018	O	|	|	|	|	0.10
46.417	0.00	0.01	0.018	O	|	|	|	|	0.10
46.500	0.00	0.01	0.018	O	|	|	|	|	0.10
46.583	0.00	0.01	0.018	O	|	|	|	|	0.10
46.667	0.00	0.01	0.018	O	|	|	|	|	0.10
46.750	0.00	0.01	0.017	O	|	|	|	|	0.10
46.833	0.00	0.01	0.017	O	|	|	|	|	0.10
46.917	0.00	0.01	0.017	O	|	|	|	|	0.09
47.000	0.00	0.01	0.017	O	|	|	|	|	0.09
47.083	0.00	0.01	0.017	O	|	|	|	|	0.09
47.167	0.00	0.01	0.017	O	|	|	|	|	0.09
47.250	0.00	0.01	0.017	O	|	|	|	|	0.09
47.333	0.00	0.01	0.017	O	|	|	|	|	0.09
47.417	0.00	0.01	0.017	O	|	|	|	|	0.09
47.500	0.00	0.01	0.017	O	|	|	|	|	0.09
47.583	0.00	0.01	0.017	O	|	|	|	|	0.09
47.667	0.00	0.01	0.017	O	|	|	|	|	0.09
47.750	0.00	0.01	0.017	O	|	|	|	|	0.09
47.833	0.00	0.01	0.016	O	|	|	|	|	0.09
47.917	0.00	0.01	0.016	O	|	|	|	|	0.09
48.000	0.00	0.01	0.016	O	|	|	|	|	0.09
48.083	0.00	0.01	0.016	O	|	|	|	|	0.09
48.167	0.00	0.01	0.016	O	|	|	|	|	0.09
48.250	0.00	0.01	0.016	O	|	|	|	|	0.09
48.333	0.00	0.01	0.016	O	|	|	|	|	0.09
48.417	0.00	0.01	0.016	O	|	|	|	|	0.09
48.500	0.00	0.01	0.016	O	|	|	|	|	0.09
48.583	0.00	0.01	0.016	O	|	|	|	|	0.09
48.667	0.00	0.01	0.016	O	|	|	|	|	0.09
48.750	0.00	0.01	0.016	O	|	|	|	|	0.09
48.833	0.00	0.01	0.016	O	|	|	|	|	0.09
48.917	0.00	0.01	0.016	O	|	|	|	|	0.09
49.000	0.00	0.01	0.015	O	|	|	|	|	0.08
49.083	0.00	0.01	0.015	O	|	|	|	|	0.08
49.167	0.00	0.01	0.015	O	|	|	|	|	0.08
49.250	0.00	0.01	0.015	O	|	|	|	|	0.08
49.333	0.00	0.01	0.015	O	|	|	|	|	0.08
49.417	0.00	0.01	0.015	O	|	|	|	|	0.08
49.500	0.00	0.01	0.015	O	|	|	|	|	0.08
49.583	0.00	0.01	0.015	O	|	|	|	|	0.08
49.667	0.00	0.01	0.015	O	|	|	|	|	0.08
49.750	0.00	0.01	0.015	O	|	|	|	|	0.08
49.833	0.00	0.01	0.015	O	|	|	|	|	0.08
49.917	0.00	0.01	0.015	O	|	|	|	|	0.08
50.000	0.00	0.01	0.015	O	|	|	|	|	0.08
50.083	0.00	0.01	0.015	O	|	|	|	|	0.08
50.167	0.00	0.01	0.014	O	|	|	|	|	0.08
50.250	0.00	0.01	0.014	O	|	|	|	|	0.08
50.333	0.00	0.01	0.014	O	|	|	|	|	0.08
50.417	0.00	0.01	0.014	O	|	|	|	|	0.08

50.500	0.00	0.01	0.014	O	|	|	|	0.08
50.583	0.00	0.01	0.014	O	|	|	|	0.08
50.667	0.00	0.01	0.014	O	|	|	|	0.08
50.750	0.00	0.01	0.014	O	|	|	|	0.08
50.833	0.00	0.01	0.014	O	|	|	|	0.08
50.917	0.00	0.01	0.014	O	|	|	|	0.08
51.000	0.00	0.01	0.014	O	|	|	|	0.08
51.083	0.00	0.01	0.014	O	|	|	|	0.08
51.167	0.00	0.01	0.014	O	|	|	|	0.08
51.250	0.00	0.01	0.014	O	|	|	|	0.07
51.333	0.00	0.01	0.014	O	|	|	|	0.07
51.417	0.00	0.01	0.014	O	|	|	|	0.07
51.500	0.00	0.01	0.013	O	|	|	|	0.07
51.583	0.00	0.01	0.013	O	|	|	|	0.07
51.667	0.00	0.01	0.013	O	|	|	|	0.07
51.750	0.00	0.01	0.013	O	|	|	|	0.07
51.833	0.00	0.01	0.013	O	|	|	|	0.07
51.917	0.00	0.01	0.013	O	|	|	|	0.07
52.000	0.00	0.01	0.013	O	|	|	|	0.07
52.083	0.00	0.01	0.013	O	|	|	|	0.07
52.167	0.00	0.01	0.013	O	|	|	|	0.07
52.250	0.00	0.01	0.013	O	|	|	|	0.07
52.333	0.00	0.01	0.013	O	|	|	|	0.07
52.417	0.00	0.01	0.013	O	|	|	|	0.07
52.500	0.00	0.01	0.013	O	|	|	|	0.07
52.583	0.00	0.01	0.013	O	|	|	|	0.07
52.667	0.00	0.01	0.013	O	|	|	|	0.07
52.750	0.00	0.01	0.013	O	|	|	|	0.07
52.833	0.00	0.01	0.013	O	|	|	|	0.07
52.917	0.00	0.01	0.012	O	|	|	|	0.07
53.000	0.00	0.01	0.012	O	|	|	|	0.07
53.083	0.00	0.01	0.012	O	|	|	|	0.07
53.167	0.00	0.01	0.012	O	|	|	|	0.07
53.250	0.00	0.01	0.012	O	|	|	|	0.07
53.333	0.00	0.01	0.012	O	|	|	|	0.07
53.417	0.00	0.01	0.012	O	|	|	|	0.07
53.500	0.00	0.01	0.012	O	|	|	|	0.07
53.583	0.00	0.01	0.012	O	|	|	|	0.07
53.667	0.00	0.01	0.012	O	|	|	|	0.07
53.750	0.00	0.01	0.012	O	|	|	|	0.07
53.833	0.00	0.01	0.012	O	|	|	|	0.07
53.917	0.00	0.01	0.012	O	|	|	|	0.06
54.000	0.00	0.01	0.012	O	|	|	|	0.06
54.083	0.00	0.01	0.012	O	|	|	|	0.06
54.167	0.00	0.01	0.012	O	|	|	|	0.06
54.250	0.00	0.01	0.012	O	|	|	|	0.06
54.333	0.00	0.01	0.012	O	|	|	|	0.06
54.417	0.00	0.01	0.011	O	|	|	|	0.06
54.500	0.00	0.01	0.011	O	|	|	|	0.06
54.583	0.00	0.01	0.011	O	|	|	|	0.06
54.667	0.00	0.01	0.011	O	|	|	|	0.06
54.750	0.00	0.01	0.011	O	|	|	|	0.06

54.833	0.00	0.01	0.011	O	|	|	|	| 0.06
54.917	0.00	0.01	0.011	O	|	|	|	| 0.06
55.000	0.00	0.01	0.011	O	|	|	|	| 0.06
55.083	0.00	0.01	0.011	O	|	|	|	| 0.06
55.167	0.00	0.01	0.011	O	|	|	|	| 0.06
55.250	0.00	0.01	0.011	O	|	|	|	| 0.06
55.333	0.00	0.01	0.011	O	|	|	|	| 0.06
55.417	0.00	0.01	0.011	O	|	|	|	| 0.06
55.500	0.00	0.01	0.011	O	|	|	|	| 0.06
55.583	0.00	0.01	0.011	O	|	|	|	| 0.06
55.667	0.00	0.01	0.011	O	|	|	|	| 0.06
55.750	0.00	0.01	0.011	O	|	|	|	| 0.06
55.833	0.00	0.01	0.011	O	|	|	|	| 0.06
55.917	0.00	0.01	0.011	O	|	|	|	| 0.06
56.000	0.00	0.01	0.011	O	|	|	|	| 0.06
56.083	0.00	0.01	0.010	O	|	|	|	| 0.06
56.167	0.00	0.01	0.010	O	|	|	|	| 0.06
56.250	0.00	0.01	0.010	O	|	|	|	| 0.06
56.333	0.00	0.01	0.010	O	|	|	|	| 0.06
56.417	0.00	0.01	0.010	O	|	|	|	| 0.06
56.500	0.00	0.01	0.010	O	|	|	|	| 0.06
56.583	0.00	0.01	0.010	O	|	|	|	| 0.06
56.667	0.00	0.01	0.010	O	|	|	|	| 0.06
56.750	0.00	0.01	0.010	O	|	|	|	| 0.06
56.833	0.00	0.01	0.010	O	|	|	|	| 0.06
56.917	0.00	0.01	0.010	O	|	|	|	| 0.06
57.000	0.00	0.01	0.010	O	|	|	|	| 0.05
57.083	0.00	0.01	0.010	O	|	|	|	| 0.05
57.167	0.00	0.01	0.010	O	|	|	|	| 0.05
57.250	0.00	0.01	0.010	O	|	|	|	| 0.05
57.333	0.00	0.01	0.010	O	|	|	|	| 0.05
57.417	0.00	0.01	0.010	O	|	|	|	| 0.05
57.500	0.00	0.01	0.010	O	|	|	|	| 0.05
57.583	0.00	0.01	0.010	O	|	|	|	| 0.05
57.667	0.00	0.01	0.010	O	|	|	|	| 0.05
57.750	0.00	0.01	0.010	O	|	|	|	| 0.05
57.833	0.00	0.01	0.010	O	|	|	|	| 0.05
57.917	0.00	0.01	0.009	O	|	|	|	| 0.05
58.000	0.00	0.01	0.009	O	|	|	|	| 0.05
58.083	0.00	0.01	0.009	O	|	|	|	| 0.05
58.167	0.00	0.01	0.009	O	|	|	|	| 0.05
58.250	0.00	0.01	0.009	O	|	|	|	| 0.05
58.333	0.00	0.01	0.009	O	|	|	|	| 0.05
58.417	0.00	0.01	0.009	O	|	|	|	| 0.05
58.500	0.00	0.01	0.009	O	|	|	|	| 0.05
58.583	0.00	0.01	0.009	O	|	|	|	| 0.05
58.667	0.00	0.01	0.009	O	|	|	|	| 0.05
58.750	0.00	0.01	0.009	O	|	|	|	| 0.05
58.833	0.00	0.01	0.009	O	|	|	|	| 0.05
58.917	0.00	0.01	0.009	O	|	|	|	| 0.05
59.000	0.00	0.01	0.009	O	|	|	|	| 0.05
59.083	0.00	0.01	0.009	O	|	|	|	| 0.05

59.167	0.00	0.01	0.009	O	|	|	|	0.05
59.250	0.00	0.01	0.009	O	|	|	|	0.05
59.333	0.00	0.01	0.009	O	|	|	|	0.05
59.417	0.00	0.01	0.009	O	|	|	|	0.05
59.500	0.00	0.01	0.009	O	|	|	|	0.05
59.583	0.00	0.01	0.009	O	|	|	|	0.05
59.667	0.00	0.01	0.009	O	|	|	|	0.05
59.750	0.00	0.01	0.009	O	|	|	|	0.05
59.833	0.00	0.01	0.009	O	|	|	|	0.05
59.917	0.00	0.01	0.009	O	|	|	|	0.05
60.000	0.00	0.01	0.008	O	|	|	|	0.05
60.083	0.00	0.01	0.008	O	|	|	|	0.05
60.167	0.00	0.01	0.008	O	|	|	|	0.05
60.250	0.00	0.01	0.008	O	|	|	|	0.05
60.333	0.00	0.01	0.008	O	|	|	|	0.05
60.417	0.00	0.01	0.008	O	|	|	|	0.05
60.500	0.00	0.01	0.008	O	|	|	|	0.05
60.583	0.00	0.01	0.008	O	|	|	|	0.05
60.667	0.00	0.01	0.008	O	|	|	|	0.04
60.750	0.00	0.01	0.008	O	|	|	|	0.04
60.833	0.00	0.01	0.008	O	|	|	|	0.04
60.917	0.00	0.01	0.008	O	|	|	|	0.04
61.000	0.00	0.01	0.008	O	|	|	|	0.04
61.083	0.00	0.01	0.008	O	|	|	|	0.04
61.167	0.00	0.01	0.008	O	|	|	|	0.04
61.250	0.00	0.01	0.008	O	|	|	|	0.04
61.333	0.00	0.01	0.008	O	|	|	|	0.04
61.417	0.00	0.01	0.008	O	|	|	|	0.04
61.500	0.00	0.01	0.008	O	|	|	|	0.04
61.583	0.00	0.01	0.008	O	|	|	|	0.04
61.667	0.00	0.01	0.008	O	|	|	|	0.04
61.750	0.00	0.01	0.008	O	|	|	|	0.04
61.833	0.00	0.01	0.008	O	|	|	|	0.04
61.917	0.00	0.01	0.008	O	|	|	|	0.04
62.000	0.00	0.01	0.008	O	|	|	|	0.04
62.083	0.00	0.00	0.008	O	|	|	|	0.04
62.167	0.00	0.00	0.008	O	|	|	|	0.04
62.250	0.00	0.00	0.007	O	|	|	|	0.04
62.333	0.00	0.00	0.007	O	|	|	|	0.04
62.417	0.00	0.00	0.007	O	|	|	|	0.04
62.500	0.00	0.00	0.007	O	|	|	|	0.04
62.583	0.00	0.00	0.007	O	|	|	|	0.04
62.667	0.00	0.00	0.007	O	|	|	|	0.04
62.750	0.00	0.00	0.007	O	|	|	|	0.04
62.833	0.00	0.00	0.007	O	|	|	|	0.04
62.917	0.00	0.00	0.007	O	|	|	|	0.04
63.000	0.00	0.00	0.007	O	|	|	|	0.04
63.083	0.00	0.00	0.007	O	|	|	|	0.04
63.167	0.00	0.00	0.007	O	|	|	|	0.04
63.250	0.00	0.00	0.007	O	|	|	|	0.04
63.333	0.00	0.00	0.007	O	|	|	|	0.04
63.417	0.00	0.00	0.007	O	|	|	|	0.04

63.500	0.00	0.00	0.007	O	|	|	|	|	0.04
63.583	0.00	0.00	0.007	O	|	|	|	|	0.04
63.667	0.00	0.00	0.007	O	|	|	|	|	0.04
63.750	0.00	0.00	0.007	O	|	|	|	|	0.04
63.833	0.00	0.00	0.007	O	|	|	|	|	0.04
63.917	0.00	0.00	0.007	O	|	|	|	|	0.04
64.000	0.00	0.00	0.007	O	|	|	|	|	0.04
64.083	0.00	0.00	0.007	O	|	|	|	|	0.04
64.167	0.00	0.00	0.007	O	|	|	|	|	0.04
64.250	0.00	0.00	0.007	O	|	|	|	|	0.04
64.333	0.00	0.00	0.007	O	|	|	|	|	0.04
64.417	0.00	0.00	0.007	O	|	|	|	|	0.04
64.500	0.00	0.00	0.007	O	|	|	|	|	0.04
64.583	0.00	0.00	0.007	O	|	|	|	|	0.04
64.667	0.00	0.00	0.007	O	|	|	|	|	0.04
64.750	0.00	0.00	0.007	O	|	|	|	|	0.04
64.833	0.00	0.00	0.007	O	|	|	|	|	0.04
64.917	0.00	0.00	0.006	O	|	|	|	|	0.04
65.000	0.00	0.00	0.006	O	|	|	|	|	0.04
65.083	0.00	0.00	0.006	O	|	|	|	|	0.04
65.167	0.00	0.00	0.006	O	|	|	|	|	0.04
65.250	0.00	0.00	0.006	O	|	|	|	|	0.03
65.333	0.00	0.00	0.006	O	|	|	|	|	0.03
65.417	0.00	0.00	0.006	O	|	|	|	|	0.03
65.500	0.00	0.00	0.006	O	|	|	|	|	0.03
65.583	0.00	0.00	0.006	O	|	|	|	|	0.03
65.667	0.00	0.00	0.006	O	|	|	|	|	0.03
65.750	0.00	0.00	0.006	O	|	|	|	|	0.03
65.833	0.00	0.00	0.006	O	|	|	|	|	0.03
65.917	0.00	0.00	0.006	O	|	|	|	|	0.03
66.000	0.00	0.00	0.006	O	|	|	|	|	0.03
66.083	0.00	0.00	0.006	O	|	|	|	|	0.03
66.167	0.00	0.00	0.006	O	|	|	|	|	0.03
66.250	0.00	0.00	0.006	O	|	|	|	|	0.03
66.333	0.00	0.00	0.006	O	|	|	|	|	0.03
66.417	0.00	0.00	0.006	O	|	|	|	|	0.03
66.500	0.00	0.00	0.006	O	|	|	|	|	0.03
66.583	0.00	0.00	0.006	O	|	|	|	|	0.03
66.667	0.00	0.00	0.006	O	|	|	|	|	0.03
66.750	0.00	0.00	0.006	O	|	|	|	|	0.03
66.833	0.00	0.00	0.006	O	|	|	|	|	0.03
66.917	0.00	0.00	0.006	O	|	|	|	|	0.03
67.000	0.00	0.00	0.006	O	|	|	|	|	0.03
67.083	0.00	0.00	0.006	O	|	|	|	|	0.03
67.167	0.00	0.00	0.006	O	|	|	|	|	0.03
67.250	0.00	0.00	0.006	O	|	|	|	|	0.03
67.333	0.00	0.00	0.006	O	|	|	|	|	0.03
67.417	0.00	0.00	0.006	O	|	|	|	|	0.03
67.500	0.00	0.00	0.006	O	|	|	|	|	0.03
67.583	0.00	0.00	0.006	O	|	|	|	|	0.03
67.667	0.00	0.00	0.006	O	|	|	|	|	0.03
67.750	0.00	0.00	0.006	O	|	|	|	|	0.03

67.833	0.00	0.00	0.006	O	|	|	|	| 0.03
67.917	0.00	0.00	0.006	O	|	|	|	| 0.03
68.000	0.00	0.00	0.005	O	|	|	|	| 0.03
68.083	0.00	0.00	0.005	O	|	|	|	| 0.03
68.167	0.00	0.00	0.005	O	|	|	|	| 0.03
68.250	0.00	0.00	0.005	O	|	|	|	| 0.03
68.333	0.00	0.00	0.005	O	|	|	|	| 0.03
68.417	0.00	0.00	0.005	O	|	|	|	| 0.03
68.500	0.00	0.00	0.005	O	|	|	|	| 0.03
68.583	0.00	0.00	0.005	O	|	|	|	| 0.03
68.667	0.00	0.00	0.005	O	|	|	|	| 0.03
68.750	0.00	0.00	0.005	O	|	|	|	| 0.03
68.833	0.00	0.00	0.005	O	|	|	|	| 0.03
68.917	0.00	0.00	0.005	O	|	|	|	| 0.03
69.000	0.00	0.00	0.005	O	|	|	|	| 0.03
69.083	0.00	0.00	0.005	O	|	|	|	| 0.03
69.167	0.00	0.00	0.005	O	|	|	|	| 0.03
69.250	0.00	0.00	0.005	O	|	|	|	| 0.03
69.333	0.00	0.00	0.005	O	|	|	|	| 0.03
69.417	0.00	0.00	0.005	O	|	|	|	| 0.03
69.500	0.00	0.00	0.005	O	|	|	|	| 0.03
69.583	0.00	0.00	0.005	O	|	|	|	| 0.03
69.667	0.00	0.00	0.005	O	|	|	|	| 0.03
69.750	0.00	0.00	0.005	O	|	|	|	| 0.03
69.833	0.00	0.00	0.005	O	|	|	|	| 0.03
69.917	0.00	0.00	0.005	O	|	|	|	| 0.03
70.000	0.00	0.00	0.005	O	|	|	|	| 0.03
70.083	0.00	0.00	0.005	O	|	|	|	| 0.03
70.167	0.00	0.00	0.005	O	|	|	|	| 0.03
70.250	0.00	0.00	0.005	O	|	|	|	| 0.03
70.333	0.00	0.00	0.005	O	|	|	|	| 0.03
70.417	0.00	0.00	0.005	O	|	|	|	| 0.03
70.500	0.00	0.00	0.005	O	|	|	|	| 0.03
70.583	0.00	0.00	0.005	O	|	|	|	| 0.03
70.667	0.00	0.00	0.005	O	|	|	|	| 0.03
70.750	0.00	0.00	0.005	O	|	|	|	| 0.03
70.833	0.00	0.00	0.005	O	|	|	|	| 0.03
70.917	0.00	0.00	0.005	O	|	|	|	| 0.03
71.000	0.00	0.00	0.005	O	|	|	|	| 0.03
71.083	0.00	0.00	0.005	O	|	|	|	| 0.03
71.167	0.00	0.00	0.005	O	|	|	|	| 0.03
71.250	0.00	0.00	0.005	O	|	|	|	| 0.03
71.333	0.00	0.00	0.005	O	|	|	|	| 0.03
71.417	0.00	0.00	0.005	O	|	|	|	| 0.02
71.500	0.00	0.00	0.005	O	|	|	|	| 0.02
71.583	0.00	0.00	0.005	O	|	|	|	| 0.02
71.667	0.00	0.00	0.004	O	|	|	|	| 0.02
71.750	0.00	0.00	0.004	O	|	|	|	| 0.02
71.833	0.00	0.00	0.004	O	|	|	|	| 0.02
71.917	0.00	0.00	0.004	O	|	|	|	| 0.02
72.000	0.00	0.00	0.004	O	|	|	|	| 0.02
72.083	0.00	0.00	0.004	O	|	|	|	| 0.02

72.167	0.00	0.00	0.004	O	|	|	|	0.02
72.250	0.00	0.00	0.004	O	|	|	|	0.02
72.333	0.00	0.00	0.004	O	|	|	|	0.02
72.417	0.00	0.00	0.004	O	|	|	|	0.02
72.500	0.00	0.00	0.004	O	|	|	|	0.02
72.583	0.00	0.00	0.004	O	|	|	|	0.02
72.667	0.00	0.00	0.004	O	|	|	|	0.02
72.750	0.00	0.00	0.004	O	|	|	|	0.02
72.833	0.00	0.00	0.004	O	|	|	|	0.02
72.917	0.00	0.00	0.004	O	|	|	|	0.02
73.000	0.00	0.00	0.004	O	|	|	|	0.02
73.083	0.00	0.00	0.004	O	|	|	|	0.02
73.167	0.00	0.00	0.004	O	|	|	|	0.02
73.250	0.00	0.00	0.004	O	|	|	|	0.02
73.333	0.00	0.00	0.004	O	|	|	|	0.02
73.417	0.00	0.00	0.004	O	|	|	|	0.02
73.500	0.00	0.00	0.004	O	|	|	|	0.02
73.583	0.00	0.00	0.004	O	|	|	|	0.02
73.667	0.00	0.00	0.004	O	|	|	|	0.02
73.750	0.00	0.00	0.004	O	|	|	|	0.02
73.833	0.00	0.00	0.004	O	|	|	|	0.02
73.917	0.00	0.00	0.004	O	|	|	|	0.02
74.000	0.00	0.00	0.004	O	|	|	|	0.02
74.083	0.00	0.00	0.004	O	|	|	|	0.02
74.167	0.00	0.00	0.004	O	|	|	|	0.02
74.250	0.00	0.00	0.004	O	|	|	|	0.02
74.333	0.00	0.00	0.004	O	|	|	|	0.02
74.417	0.00	0.00	0.004	O	|	|	|	0.02
74.500	0.00	0.00	0.004	O	|	|	|	0.02
74.583	0.00	0.00	0.004	O	|	|	|	0.02
74.667	0.00	0.00	0.004	O	|	|	|	0.02
74.750	0.00	0.00	0.004	O	|	|	|	0.02
74.833	0.00	0.00	0.004	O	|	|	|	0.02
74.917	0.00	0.00	0.004	O	|	|	|	0.02
75.000	0.00	0.00	0.004	O	|	|	|	0.02
75.083	0.00	0.00	0.004	O	|	|	|	0.02
75.167	0.00	0.00	0.004	O	|	|	|	0.02
75.250	0.00	0.00	0.004	O	|	|	|	0.02
75.333	0.00	0.00	0.004	O	|	|	|	0.02
75.417	0.00	0.00	0.004	O	|	|	|	0.02
75.500	0.00	0.00	0.004	O	|	|	|	0.02
75.583	0.00	0.00	0.004	O	|	|	|	0.02
75.667	0.00	0.00	0.004	O	|	|	|	0.02
75.750	0.00	0.00	0.004	O	|	|	|	0.02
75.833	0.00	0.00	0.004	O	|	|	|	0.02
75.917	0.00	0.00	0.004	O	|	|	|	0.02
76.000	0.00	0.00	0.004	O	|	|	|	0.02
76.083	0.00	0.00	0.004	O	|	|	|	0.02
76.167	0.00	0.00	0.004	O	|	|	|	0.02
76.250	0.00	0.00	0.003	O	|	|	|	0.02
76.333	0.00	0.00	0.003	O	|	|	|	0.02
76.417	0.00	0.00	0.003	O	|	|	|	0.02

76.500	0.00	0.00	0.003	O	|	|	|	0.02
76.583	0.00	0.00	0.003	O	|	|	|	0.02
76.667	0.00	0.00	0.003	O	|	|	|	0.02
76.750	0.00	0.00	0.003	O	|	|	|	0.02
76.833	0.00	0.00	0.003	O	|	|	|	0.02
76.917	0.00	0.00	0.003	O	|	|	|	0.02
77.000	0.00	0.00	0.003	O	|	|	|	0.02
77.083	0.00	0.00	0.003	O	|	|	|	0.02
77.167	0.00	0.00	0.003	O	|	|	|	0.02
77.250	0.00	0.00	0.003	O	|	|	|	0.02
77.333	0.00	0.00	0.003	O	|	|	|	0.02
77.417	0.00	0.00	0.003	O	|	|	|	0.02
77.500	0.00	0.00	0.003	O	|	|	|	0.02
77.583	0.00	0.00	0.003	O	|	|	|	0.02
77.667	0.00	0.00	0.003	O	|	|	|	0.02
77.750	0.00	0.00	0.003	O	|	|	|	0.02
77.833	0.00	0.00	0.003	O	|	|	|	0.02
77.917	0.00	0.00	0.003	O	|	|	|	0.02
78.000	0.00	0.00	0.003	O	|	|	|	0.02
78.083	0.00	0.00	0.003	O	|	|	|	0.02
78.167	0.00	0.00	0.003	O	|	|	|	0.02
78.250	0.00	0.00	0.003	O	|	|	|	0.02
78.333	0.00	0.00	0.003	O	|	|	|	0.02
78.417	0.00	0.00	0.003	O	|	|	|	0.02
78.500	0.00	0.00	0.003	O	|	|	|	0.02
78.583	0.00	0.00	0.003	O	|	|	|	0.02
78.667	0.00	0.00	0.003	O	|	|	|	0.02
78.750	0.00	0.00	0.003	O	|	|	|	0.02
78.833	0.00	0.00	0.003	O	|	|	|	0.02
78.917	0.00	0.00	0.003	O	|	|	|	0.02
79.000	0.00	0.00	0.003	O	|	|	|	0.02
79.083	0.00	0.00	0.003	O	|	|	|	0.02
79.167	0.00	0.00	0.003	O	|	|	|	0.02
79.250	0.00	0.00	0.003	O	|	|	|	0.02
79.333	0.00	0.00	0.003	O	|	|	|	0.02
79.417	0.00	0.00	0.003	O	|	|	|	0.02
79.500	0.00	0.00	0.003	O	|	|	|	0.02
79.583	0.00	0.00	0.003	O	|	|	|	0.02
79.667	0.00	0.00	0.003	O	|	|	|	0.02
79.750	0.00	0.00	0.003	O	|	|	|	0.02
79.833	0.00	0.00	0.003	O	|	|	|	0.02
79.917	0.00	0.00	0.003	O	|	|	|	0.02
80.000	0.00	0.00	0.003	O	|	|	|	0.02
80.083	0.00	0.00	0.003	O	|	|	|	0.02
80.167	0.00	0.00	0.003	O	|	|	|	0.02
80.250	0.00	0.00	0.003	O	|	|	|	0.02
80.333	0.00	0.00	0.003	O	|	|	|	0.02
80.417	0.00	0.00	0.003	O	|	|	|	0.02
80.500	0.00	0.00	0.003	O	|	|	|	0.02
80.583	0.00	0.00	0.003	O	|	|	|	0.02
80.667	0.00	0.00	0.003	O	|	|	|	0.02
80.750	0.00	0.00	0.003	O	|	|	|	0.02

80.833	0.00	0.00	0.003	O	|	|	|	| 0.01
80.917	0.00	0.00	0.003	O	|	|	|	| 0.01
81.000	0.00	0.00	0.003	O	|	|	|	| 0.01
81.083	0.00	0.00	0.003	O	|	|	|	| 0.01
81.167	0.00	0.00	0.003	O	|	|	|	| 0.01
81.250	0.00	0.00	0.003	O	|	|	|	| 0.01
81.333	0.00	0.00	0.003	O	|	|	|	| 0.01
81.417	0.00	0.00	0.003	O	|	|	|	| 0.01
81.500	0.00	0.00	0.003	O	|	|	|	| 0.01
81.583	0.00	0.00	0.003	O	|	|	|	| 0.01
81.667	0.00	0.00	0.003	O	|	|	|	| 0.01
81.750	0.00	0.00	0.003	O	|	|	|	| 0.01
81.833	0.00	0.00	0.003	O	|	|	|	| 0.01
81.917	0.00	0.00	0.003	O	|	|	|	| 0.01
82.000	0.00	0.00	0.003	O	|	|	|	| 0.01
82.083	0.00	0.00	0.003	O	|	|	|	| 0.01
82.167	0.00	0.00	0.003	O	|	|	|	| 0.01
82.250	0.00	0.00	0.003	O	|	|	|	| 0.01
82.333	0.00	0.00	0.003	O	|	|	|	| 0.01
82.417	0.00	0.00	0.002	O	|	|	|	| 0.01
82.500	0.00	0.00	0.002	O	|	|	|	| 0.01
82.583	0.00	0.00	0.002	O	|	|	|	| 0.01
82.667	0.00	0.00	0.002	O	|	|	|	| 0.01
82.750	0.00	0.00	0.002	O	|	|	|	| 0.01
82.833	0.00	0.00	0.002	O	|	|	|	| 0.01
82.917	0.00	0.00	0.002	O	|	|	|	| 0.01
83.000	0.00	0.00	0.002	O	|	|	|	| 0.01
83.083	0.00	0.00	0.002	O	|	|	|	| 0.01
83.167	0.00	0.00	0.002	O	|	|	|	| 0.01
83.250	0.00	0.00	0.002	O	|	|	|	| 0.01
83.333	0.00	0.00	0.002	O	|	|	|	| 0.01
83.417	0.00	0.00	0.002	O	|	|	|	| 0.01
83.500	0.00	0.00	0.002	O	|	|	|	| 0.01
83.583	0.00	0.00	0.002	O	|	|	|	| 0.01
83.667	0.00	0.00	0.002	O	|	|	|	| 0.01
83.750	0.00	0.00	0.002	O	|	|	|	| 0.01
83.833	0.00	0.00	0.002	O	|	|	|	| 0.01
83.917	0.00	0.00	0.002	O	|	|	|	| 0.01
84.000	0.00	0.00	0.002	O	|	|	|	| 0.01
84.083	0.00	0.00	0.002	O	|	|	|	| 0.01
84.167	0.00	0.00	0.002	O	|	|	|	| 0.01
84.250	0.00	0.00	0.002	O	|	|	|	| 0.01
84.333	0.00	0.00	0.002	O	|	|	|	| 0.01
84.417	0.00	0.00	0.002	O	|	|	|	| 0.01
84.500	0.00	0.00	0.002	O	|	|	|	| 0.01
84.583	0.00	0.00	0.002	O	|	|	|	| 0.01
84.667	0.00	0.00	0.002	O	|	|	|	| 0.01
84.750	0.00	0.00	0.002	O	|	|	|	| 0.01
84.833	0.00	0.00	0.002	O	|	|	|	| 0.01
84.917	0.00	0.00	0.002	O	|	|	|	| 0.01
85.000	0.00	0.00	0.002	O	|	|	|	| 0.01
85.083	0.00	0.00	0.002	O	|	|	|	| 0.01

85.167	0.00	0.00	0.002	O	|	|	|	|	0.01
85.250	0.00	0.00	0.002	O	|	|	|	|	0.01
85.333	0.00	0.00	0.002	O	|	|	|	|	0.01
85.417	0.00	0.00	0.002	O	|	|	|	|	0.01
85.500	0.00	0.00	0.002	O	|	|	|	|	0.01
85.583	0.00	0.00	0.002	O	|	|	|	|	0.01
85.667	0.00	0.00	0.002	O	|	|	|	|	0.01
85.750	0.00	0.00	0.002	O	|	|	|	|	0.01
85.833	0.00	0.00	0.002	O	|	|	|	|	0.01
85.917	0.00	0.00	0.002	O	|	|	|	|	0.01
86.000	0.00	0.00	0.002	O	|	|	|	|	0.01
86.083	0.00	0.00	0.002	O	|	|	|	|	0.01
86.167	0.00	0.00	0.002	O	|	|	|	|	0.01
86.250	0.00	0.00	0.002	O	|	|	|	|	0.01
86.333	0.00	0.00	0.002	O	|	|	|	|	0.01
86.417	0.00	0.00	0.002	O	|	|	|	|	0.01
86.500	0.00	0.00	0.002	O	|	|	|	|	0.01
86.583	0.00	0.00	0.002	O	|	|	|	|	0.01
86.667	0.00	0.00	0.002	O	|	|	|	|	0.01
86.750	0.00	0.00	0.002	O	|	|	|	|	0.01
86.833	0.00	0.00	0.002	O	|	|	|	|	0.01
86.917	0.00	0.00	0.002	O	|	|	|	|	0.01
87.000	0.00	0.00	0.002	O	|	|	|	|	0.01
87.083	0.00	0.00	0.002	O	|	|	|	|	0.01
87.167	0.00	0.00	0.002	O	|	|	|	|	0.01
87.250	0.00	0.00	0.002	O	|	|	|	|	0.01
87.333	0.00	0.00	0.002	O	|	|	|	|	0.01
87.417	0.00	0.00	0.002	O	|	|	|	|	0.01
87.500	0.00	0.00	0.002	O	|	|	|	|	0.01
87.583	0.00	0.00	0.002	O	|	|	|	|	0.01
87.667	0.00	0.00	0.002	O	|	|	|	|	0.01
87.750	0.00	0.00	0.002	O	|	|	|	|	0.01
87.833	0.00	0.00	0.002	O	|	|	|	|	0.01
87.917	0.00	0.00	0.002	O	|	|	|	|	0.01
88.000	0.00	0.00	0.002	O	|	|	|	|	0.01
88.083	0.00	0.00	0.002	O	|	|	|	|	0.01
88.167	0.00	0.00	0.002	O	|	|	|	|	0.01
88.250	0.00	0.00	0.002	O	|	|	|	|	0.01
88.333	0.00	0.00	0.002	O	|	|	|	|	0.01
88.417	0.00	0.00	0.002	O	|	|	|	|	0.01
88.500	0.00	0.00	0.002	O	|	|	|	|	0.01
88.583	0.00	0.00	0.002	O	|	|	|	|	0.01
88.667	0.00	0.00	0.002	O	|	|	|	|	0.01
88.750	0.00	0.00	0.002	O	|	|	|	|	0.01
88.833	0.00	0.00	0.002	O	|	|	|	|	0.01
88.917	0.00	0.00	0.002	O	|	|	|	|	0.01
89.000	0.00	0.00	0.002	O	|	|	|	|	0.01
89.083	0.00	0.00	0.002	O	|	|	|	|	0.01
89.167	0.00	0.00	0.002	O	|	|	|	|	0.01
89.250	0.00	0.00	0.002	O	|	|	|	|	0.01
89.333	0.00	0.00	0.002	O	|	|	|	|	0.01
89.417	0.00	0.00	0.002	O	|	|	|	|	0.01

```
89.500    0.00    0.00      0.002  O       |       |       |       |     0.01
89.583    0.00    0.00      0.002  O       |       |       |       |     0.01
89.667    0.00    0.00      0.002  O       |       |       |       |     0.01
89.750    0.00    0.00      0.002  O       |       |       |       |     0.01
89.833    0.00    0.00      0.002  O       |       |       |       |     0.01
89.917    0.00    0.00      0.002  O       |       |       |       |     0.01
90.000    0.00    0.00      0.002  O       |       |       |       |     0.01
90.083    0.00    0.00      0.002  O       |       |       |       |     0.01
90.167    0.00    0.00      0.002  O       |       |       |       |     0.01
90.250    0.00    0.00      0.002  O       |       |       |       |     0.01
90.333    0.00    0.00      0.002  O       |       |       |       |     0.01
90.417    0.00    0.00      0.002  O       |       |       |       |     0.01
90.500    0.00    0.00      0.002  O       |       |       |       |     0.01
90.583    0.00    0.00      0.002  O       |       |       |       |     0.01
90.667    0.00    0.00      0.002  O       |       |       |       |     0.01
90.750    0.00    0.00      0.002  O       |       |       |       |     0.01
90.833    0.00    0.00      0.002  O       |       |       |       |     0.01
90.917    0.00    0.00      0.002  O       |       |       |       |     0.01
91.000    0.00    0.00      0.002  O       |       |       |       |     0.01
91.083    0.00    0.00      0.002  O       |       |       |       |     0.01
91.167    0.00    0.00      0.002  O       |       |       |       |     0.01
91.250    0.00    0.00      0.002  O       |       |       |       |     0.01
91.333    0.00    0.00      0.002  O       |       |       |       |     0.01
91.417    0.00    0.00      0.002  O       |       |       |       |     0.01
91.500    0.00    0.00      0.002  O       |       |       |       |     0.01
91.583    0.00    0.00      0.002  O       |       |       |       |     0.01

     ****************************HYDROGRAPH DATA****************************
                  Number of intervals =  1099
                  Time interval =    5.0 (Min.)
                  Maximum/Peak flow rate =        5.443 (CFS)
                  Total volume =       0.587 (Ac.Ft)
          Status of hydrographs being held in storage
                     Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
          Peak (CFS)      0.000     0.000     0.000     0.000     0.000
          Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
     ***********************************************************************

     ---------------------------------------------------------------------
```

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2022
Study date: 09/12/23

ACACIA POINTE
BASIN ROUTING ANALYSIS
INFILTRATION BASIN "B"
100-YEAR, 3-HOUR

Program License Serial Number 6545

********** HYDROGRAPH INFORMATION **********

From study/file name: BDEV3100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 39
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 7.765 (CFS)
Total volume = 0.619 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****
_____

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 39
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.86(Ft.)

Initial basin depth = 0.86 (Ft.)
Initial basin storage = 0.16 (Ac.Ft)
Initial basin outflow = 0.10 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.182	0.120	0.182	0.182
2.000	0.401	3.690	0.388	0.414
3.000	0.671	18.540	0.607	0.735
4.000	0.982	39.640	0.845	1.119
5.000	1.338	65.660	1.112	1.564
6.000	1.740	95.640	1.411	2.069

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 1.9 3.88 5.82 7.77	Depth (Ft.)
0.083	0.41	0.10	0.157	OI | | | |	0.86
0.167	0.79	0.11	0.160	O I | | | |	0.88
0.250	0.79	0.11	0.165	O I | | | |	0.91
0.333	0.92	0.11	0.170	O I | | | |	0.93
0.417	1.04	0.12	0.176	O I | | | |	0.97
0.500	1.21	0.14	0.183	O I | | | |	1.00
0.583	1.21	0.25	0.190	|O I | | | |	1.04
0.667	1.25	0.35	0.196	|O I | | | |	1.07
0.750	1.37	0.46	0.203	|O I | | | |	1.09
0.833	1.23	0.55	0.208	| O I | | | |	1.12
0.917	1.16	0.62	0.212	| O I | | | |	1.14
1.000	1.28	0.68	0.216	| O I | | | |	1.16
1.083	1.58	0.76	0.221	| O I | | | |	1.18
1.167	1.79	0.86	0.227	| O I| | | |	1.21
1.250	1.83	0.96	0.233	| O I| | | |	1.23
1.333	1.74	1.05	0.239	| O I| | | |	1.26
1.417	1.96	1.13	0.244	| O I | | |	1.28
1.500	2.27	1.24	0.250	| O |I | | |	1.31
1.583	2.21	1.34	0.257	| O |I | | |	1.34
1.667	2.25	1.44	0.263	| O |I | | |	1.37
1.750	2.68	1.55	0.269	| O | I | | |	1.40
1.833	2.87	1.68	0.277	| O | I | | |	1.44
1.917	2.74	1.80	0.285	| O| I | | |	1.47
2.000	2.70	1.89	0.291	| O| I | | |	1.50
2.083	2.77	1.98	0.296	| O I | | |	1.52
2.167	3.39	2.10	0.304	| O I | | |	1.55
2.250	4.33	2.29	0.315	| |O |I | |	1.61
2.333	4.02	2.49	0.327	| | O I | |	1.66
2.417	5.14	2.71	0.341	| | O | I | |	1.73
2.500	6.83	3.06	0.362	| | O | | I |	1.82
2.583	7.77	3.51	0.390	| | O | | I	1.95
2.667	7.16	4.41	0.414	| | | O | I |	2.05
2.750	4.17	4.81	0.421	| | |I O | |	2.08

2.833	2.09	4.27	0.412	| I |O	|	|	2.04
2.917	1.57	3.63	0.397	| I | O |	|	|	1.98
3.000	0.94	3.37	0.382	| I | O |	|	|	1.91
3.083	0.33	3.08	0.364	|I | O |	|	|	1.83
3.167	0.08	2.78	0.345	I | O |	|	|	1.74
3.250	0.01	2.49	0.327	I |O |	|	|	1.66
3.333	0.00	2.22	0.311	I |O |	|	|	1.59
3.417	0.00	1.99	0.296	I O |	|	|	1.52
3.500	0.00	1.78	0.284	I O|	|	|	1.46
3.583	0.00	1.59	0.272	I O |	|	|	1.41
3.667	0.00	1.42	0.262	I O |	|	|	1.36
3.750	0.00	1.27	0.252	I O |	|	|	1.32
3.833	0.00	1.13	0.244	I O |	|	|	1.28
3.917	0.00	1.01	0.237	I O |	|	|	1.25
4.000	0.00	0.90	0.230	I O |	|	|	1.22
4.083	0.00	0.81	0.224	I O |	|	|	1.19
4.167	0.00	0.72	0.219	I O |	|	|	1.17
4.250	0.00	0.65	0.214	I O |	|	|	1.15
4.333	0.00	0.58	0.210	I O |	|	|	1.13
4.417	0.00	0.52	0.206	I O |	|	|	1.11
4.500	0.00	0.46	0.203	IO |	|	|	1.10
4.583	0.00	0.41	0.200	IO |	|	|	1.08
4.667	0.00	0.37	0.197	IO |	|	|	1.07
4.750	0.00	0.33	0.195	IO |	|	|	1.06
4.833	0.00	0.29	0.193	IO |	|	|	1.05
4.917	0.00	0.26	0.191	IO |	|	|	1.04
5.000	0.00	0.23	0.189	O |	|	|	1.03
5.083	0.00	0.21	0.188	O |	|	|	1.03
5.167	0.00	0.19	0.186	O |	|	|	1.02
5.250	0.00	0.17	0.185	O |	|	|	1.01
5.333	0.00	0.15	0.184	O |	|	|	1.01
5.417	0.00	0.13	0.183	O |	|	|	1.00
5.500	0.00	0.12	0.182	O |	|	|	1.00
5.583	0.00	0.12	0.181	O |	|	|	1.00
5.667	0.00	0.12	0.180	O |	|	|	0.99
5.750	0.00	0.12	0.180	O |	|	|	0.99
5.833	0.00	0.12	0.179	O |	|	|	0.98
5.917	0.00	0.12	0.178	O |	|	|	0.98
6.000	0.00	0.12	0.177	O |	|	|	0.97
6.083	0.00	0.12	0.176	O |	|	|	0.97
6.167	0.00	0.12	0.175	O |	|	|	0.96
6.250	0.00	0.12	0.175	O |	|	|	0.96
6.333	0.00	0.11	0.174	O |	|	|	0.96
6.417	0.00	0.11	0.173	O |	|	|	0.95
6.500	0.00	0.11	0.172	O |	|	|	0.95
6.583	0.00	0.11	0.172	O |	|	|	0.94
6.667	0.00	0.11	0.171	O |	|	|	0.94
6.750	0.00	0.11	0.170	O |	|	|	0.93
6.833	0.00	0.11	0.169	O |	|	|	0.93
6.917	0.00	0.11	0.168	O |	|	|	0.93
7.000	0.00	0.11	0.168	O |	|	|	0.92
7.083	0.00	0.11	0.167	O |	|	|	0.92

7.167	0.00	0.11	0.166	O	|	|	|	0.91
7.250	0.00	0.11	0.165	O	|	|	|	0.91
7.333	0.00	0.11	0.165	O	|	|	|	0.90
7.417	0.00	0.11	0.164	O	|	|	|	0.90
7.500	0.00	0.11	0.163	O	|	|	|	0.90
7.583	0.00	0.11	0.162	O	|	|	|	0.89
7.667	0.00	0.11	0.162	O	|	|	|	0.89
7.750	0.00	0.11	0.161	O	|	|	|	0.88
7.833	0.00	0.11	0.160	O	|	|	|	0.88
7.917	0.00	0.11	0.160	O	|	|	|	0.88
8.000	0.00	0.10	0.159	O	|	|	|	0.87
8.083	0.00	0.10	0.158	O	|	|	|	0.87
8.167	0.00	0.10	0.157	O	|	|	|	0.86
8.250	0.00	0.10	0.157	O	|	|	|	0.86
8.333	0.00	0.10	0.156	O	|	|	|	0.86
8.417	0.00	0.10	0.155	O	|	|	|	0.85
8.500	0.00	0.10	0.155	O	|	|	|	0.85
8.583	0.00	0.10	0.154	O	|	|	|	0.85
8.667	0.00	0.10	0.153	O	|	|	|	0.84
8.750	0.00	0.10	0.152	O	|	|	|	0.84
8.833	0.00	0.10	0.152	O	|	|	|	0.83
8.917	0.00	0.10	0.151	O	|	|	|	0.83
9.000	0.00	0.10	0.150	O	|	|	|	0.83
9.083	0.00	0.10	0.150	O	|	|	|	0.82
9.167	0.00	0.10	0.149	O	|	|	|	0.82
9.250	0.00	0.10	0.148	O	|	|	|	0.82
9.333	0.00	0.10	0.148	O	|	|	|	0.81
9.417	0.00	0.10	0.147	O	|	|	|	0.81
9.500	0.00	0.10	0.146	O	|	|	|	0.80
9.583	0.00	0.10	0.146	O	|	|	|	0.80
9.667	0.00	0.10	0.145	O	|	|	|	0.80
9.750	0.00	0.10	0.144	O	|	|	|	0.79
9.833	0.00	0.09	0.144	O	|	|	|	0.79
9.917	0.00	0.09	0.143	O	|	|	|	0.79
10.000	0.00	0.09	0.142	O	|	|	|	0.78
10.083	0.00	0.09	0.142	O	|	|	|	0.78
10.167	0.00	0.09	0.141	O	|	|	|	0.78
10.250	0.00	0.09	0.140	O	|	|	|	0.77
10.333	0.00	0.09	0.140	O	|	|	|	0.77
10.417	0.00	0.09	0.139	O	|	|	|	0.76
10.500	0.00	0.09	0.139	O	|	|	|	0.76
10.583	0.00	0.09	0.138	O	|	|	|	0.76
10.667	0.00	0.09	0.137	O	|	|	|	0.75
10.750	0.00	0.09	0.137	O	|	|	|	0.75
10.833	0.00	0.09	0.136	O	|	|	|	0.75
10.917	0.00	0.09	0.135	O	|	|	|	0.74
11.000	0.00	0.09	0.135	O	|	|	|	0.74
11.083	0.00	0.09	0.134	O	|	|	|	0.74
11.167	0.00	0.09	0.134	O	|	|	|	0.73
11.250	0.00	0.09	0.133	O	|	|	|	0.73
11.333	0.00	0.09	0.132	O	|	|	|	0.73
11.417	0.00	0.09	0.132	O	|	|	|	0.72

11.500	0.00	0.09	0.131	O	|	|	|	|	0.72
11.583	0.00	0.09	0.131	O	|	|	|	|	0.72
11.667	0.00	0.09	0.130	O	|	|	|	|	0.71
11.750	0.00	0.09	0.129	O	|	|	|	|	0.71
11.833	0.00	0.08	0.129	O	|	|	|	|	0.71
11.917	0.00	0.08	0.128	O	|	|	|	|	0.70
12.000	0.00	0.08	0.128	O	|	|	|	|	0.70
12.083	0.00	0.08	0.127	O	|	|	|	|	0.70
12.167	0.00	0.08	0.127	O	|	|	|	|	0.70
12.250	0.00	0.08	0.126	O	|	|	|	|	0.69
12.333	0.00	0.08	0.125	O	|	|	|	|	0.69
12.417	0.00	0.08	0.125	O	|	|	|	|	0.69
12.500	0.00	0.08	0.124	O	|	|	|	|	0.68
12.583	0.00	0.08	0.124	O	|	|	|	|	0.68
12.667	0.00	0.08	0.123	O	|	|	|	|	0.68
12.750	0.00	0.08	0.123	O	|	|	|	|	0.67
12.833	0.00	0.08	0.122	O	|	|	|	|	0.67
12.917	0.00	0.08	0.121	O	|	|	|	|	0.67
13.000	0.00	0.08	0.121	O	|	|	|	|	0.66
13.083	0.00	0.08	0.120	O	|	|	|	|	0.66
13.167	0.00	0.08	0.120	O	|	|	|	|	0.66
13.250	0.00	0.08	0.119	O	|	|	|	|	0.66
13.333	0.00	0.08	0.119	O	|	|	|	|	0.65
13.417	0.00	0.08	0.118	O	|	|	|	|	0.65
13.500	0.00	0.08	0.118	O	|	|	|	|	0.65
13.583	0.00	0.08	0.117	O	|	|	|	|	0.64
13.667	0.00	0.08	0.117	O	|	|	|	|	0.64
13.750	0.00	0.08	0.116	O	|	|	|	|	0.64
13.833	0.00	0.08	0.116	O	|	|	|	|	0.63
13.917	0.00	0.08	0.115	O	|	|	|	|	0.63
14.000	0.00	0.08	0.115	O	|	|	|	|	0.63
14.083	0.00	0.08	0.114	O	|	|	|	|	0.63
14.167	0.00	0.07	0.113	O	|	|	|	|	0.62
14.250	0.00	0.07	0.113	O	|	|	|	|	0.62
14.333	0.00	0.07	0.112	O	|	|	|	|	0.62
14.417	0.00	0.07	0.112	O	|	|	|	|	0.62
14.500	0.00	0.07	0.111	O	|	|	|	|	0.61
14.583	0.00	0.07	0.111	O	|	|	|	|	0.61
14.667	0.00	0.07	0.110	O	|	|	|	|	0.61
14.750	0.00	0.07	0.110	O	|	|	|	|	0.60
14.833	0.00	0.07	0.109	O	|	|	|	|	0.60
14.917	0.00	0.07	0.109	O	|	|	|	|	0.60
15.000	0.00	0.07	0.108	O	|	|	|	|	0.60
15.083	0.00	0.07	0.108	O	|	|	|	|	0.59
15.167	0.00	0.07	0.107	O	|	|	|	|	0.59
15.250	0.00	0.07	0.107	O	|	|	|	|	0.59
15.333	0.00	0.07	0.106	O	|	|	|	|	0.59
15.417	0.00	0.07	0.106	O	|	|	|	|	0.58
15.500	0.00	0.07	0.106	O	|	|	|	|	0.58
15.583	0.00	0.07	0.105	O	|	|	|	|	0.58
15.667	0.00	0.07	0.105	O	|	|	|	|	0.57
15.750	0.00	0.07	0.104	O	|	|	|	|	0.57

15.833	0.00	0.07	0.104	O	|	|	|	0.57
15.917	0.00	0.07	0.103	O	|	|	|	0.57
16.000	0.00	0.07	0.103	O	|	|	|	0.56
16.083	0.00	0.07	0.102	O	|	|	|	0.56
16.167	0.00	0.07	0.102	O	|	|	|	0.56
16.250	0.00	0.07	0.101	O	|	|	|	0.56
16.333	0.00	0.07	0.101	O	|	|	|	0.55
16.417	0.00	0.07	0.100	O	|	|	|	0.55
16.500	0.00	0.07	0.100	O	|	|	|	0.55
16.583	0.00	0.07	0.099	O	|	|	|	0.55
16.667	0.00	0.07	0.099	O	|	|	|	0.54
16.750	0.00	0.06	0.099	O	|	|	|	0.54
16.833	0.00	0.06	0.098	O	|	|	|	0.54
16.917	0.00	0.06	0.098	O	|	|	|	0.54
17.000	0.00	0.06	0.097	O	|	|	|	0.53
17.083	0.00	0.06	0.097	O	|	|	|	0.53
17.167	0.00	0.06	0.096	O	|	|	|	0.53
17.250	0.00	0.06	0.096	O	|	|	|	0.53
17.333	0.00	0.06	0.095	O	|	|	|	0.52
17.417	0.00	0.06	0.095	O	|	|	|	0.52
17.500	0.00	0.06	0.095	O	|	|	|	0.52
17.583	0.00	0.06	0.094	O	|	|	|	0.52
17.667	0.00	0.06	0.094	O	|	|	|	0.52
17.750	0.00	0.06	0.093	O	|	|	|	0.51
17.833	0.00	0.06	0.093	O	|	|	|	0.51
17.917	0.00	0.06	0.093	O	|	|	|	0.51
18.000	0.00	0.06	0.092	O	|	|	|	0.51
18.083	0.00	0.06	0.092	O	|	|	|	0.50
18.167	0.00	0.06	0.091	O	|	|	|	0.50
18.250	0.00	0.06	0.091	O	|	|	|	0.50
18.333	0.00	0.06	0.090	O	|	|	|	0.50
18.417	0.00	0.06	0.090	O	|	|	|	0.49
18.500	0.00	0.06	0.090	O	|	|	|	0.49
18.583	0.00	0.06	0.089	O	|	|	|	0.49
18.667	0.00	0.06	0.089	O	|	|	|	0.49
18.750	0.00	0.06	0.088	O	|	|	|	0.49
18.833	0.00	0.06	0.088	O	|	|	|	0.48
18.917	0.00	0.06	0.088	O	|	|	|	0.48
19.000	0.00	0.06	0.087	O	|	|	|	0.48
19.083	0.00	0.06	0.087	O	|	|	|	0.48
19.167	0.00	0.06	0.086	O	|	|	|	0.47
19.250	0.00	0.06	0.086	O	|	|	|	0.47
19.333	0.00	0.06	0.086	O	|	|	|	0.47
19.417	0.00	0.06	0.085	O	|	|	|	0.47
19.500	0.00	0.06	0.085	O	|	|	|	0.47
19.583	0.00	0.06	0.084	O	|	|	|	0.46
19.667	0.00	0.06	0.084	O	|	|	|	0.46
19.750	0.00	0.06	0.084	O	|	|	|	0.46
19.833	0.00	0.05	0.083	O	|	|	|	0.46
19.917	0.00	0.05	0.083	O	|	|	|	0.46
20.000	0.00	0.05	0.083	O	|	|	|	0.45
20.083	0.00	0.05	0.082	O	|	|	|	0.45

20.167	0.00	0.05	0.082	O	|	|	|	0.45
20.250	0.00	0.05	0.081	O	|	|	|	0.45
20.333	0.00	0.05	0.081	O	|	|	|	0.45
20.417	0.00	0.05	0.081	O	|	|	|	0.44
20.500	0.00	0.05	0.080	O	|	|	|	0.44
20.583	0.00	0.05	0.080	O	|	|	|	0.44
20.667	0.00	0.05	0.080	O	|	|	|	0.44
20.750	0.00	0.05	0.079	O	|	|	|	0.44
20.833	0.00	0.05	0.079	O	|	|	|	0.43
20.917	0.00	0.05	0.079	O	|	|	|	0.43
21.000	0.00	0.05	0.078	O	|	|	|	0.43
21.083	0.00	0.05	0.078	O	|	|	|	0.43
21.167	0.00	0.05	0.077	O	|	|	|	0.43
21.250	0.00	0.05	0.077	O	|	|	|	0.42
21.333	0.00	0.05	0.077	O	|	|	|	0.42
21.417	0.00	0.05	0.076	O	|	|	|	0.42
21.500	0.00	0.05	0.076	O	|	|	|	0.42
21.583	0.00	0.05	0.076	O	|	|	|	0.42
21.667	0.00	0.05	0.075	O	|	|	|	0.41
21.750	0.00	0.05	0.075	O	|	|	|	0.41
21.833	0.00	0.05	0.075	O	|	|	|	0.41
21.917	0.00	0.05	0.074	O	|	|	|	0.41
22.000	0.00	0.05	0.074	O	|	|	|	0.41
22.083	0.00	0.05	0.074	O	|	|	|	0.41
22.167	0.00	0.05	0.073	O	|	|	|	0.40
22.250	0.00	0.05	0.073	O	|	|	|	0.40
22.333	0.00	0.05	0.073	O	|	|	|	0.40
22.417	0.00	0.05	0.072	O	|	|	|	0.40
22.500	0.00	0.05	0.072	O	|	|	|	0.40
22.583	0.00	0.05	0.072	O	|	|	|	0.39
22.667	0.00	0.05	0.071	O	|	|	|	0.39
22.750	0.00	0.05	0.071	O	|	|	|	0.39
22.833	0.00	0.05	0.071	O	|	|	|	0.39
22.917	0.00	0.05	0.070	O	|	|	|	0.39
23.000	0.00	0.05	0.070	O	|	|	|	0.39
23.083	0.00	0.05	0.070	O	|	|	|	0.38
23.167	0.00	0.05	0.069	O	|	|	|	0.38
23.250	0.00	0.05	0.069	O	|	|	|	0.38
23.333	0.00	0.05	0.069	O	|	|	|	0.38
23.417	0.00	0.05	0.069	O	|	|	|	0.38
23.500	0.00	0.04	0.068	O	|	|	|	0.37
23.583	0.00	0.04	0.068	O	|	|	|	0.37
23.667	0.00	0.04	0.068	O	|	|	|	0.37
23.750	0.00	0.04	0.067	O	|	|	|	0.37
23.833	0.00	0.04	0.067	O	|	|	|	0.37
23.917	0.00	0.04	0.067	O	|	|	|	0.37
24.000	0.00	0.04	0.066	O	|	|	|	0.36
24.083	0.00	0.04	0.066	O	|	|	|	0.36
24.167	0.00	0.04	0.066	O	|	|	|	0.36
24.250	0.00	0.04	0.066	O	|	|	|	0.36
24.333	0.00	0.04	0.065	O	|	|	|	0.36
24.417	0.00	0.04	0.065	O	|	|	|	0.36

24.500	0.00	0.04	0.065	O	|	|	|	0.36
24.583	0.00	0.04	0.064	O	|	|	|	0.35
24.667	0.00	0.04	0.064	O	|	|	|	0.35
24.750	0.00	0.04	0.064	O	|	|	|	0.35
24.833	0.00	0.04	0.063	O	|	|	|	0.35
24.917	0.00	0.04	0.063	O	|	|	|	0.35
25.000	0.00	0.04	0.063	O	|	|	|	0.35
25.083	0.00	0.04	0.063	O	|	|	|	0.34
25.167	0.00	0.04	0.062	O	|	|	|	0.34
25.250	0.00	0.04	0.062	O	|	|	|	0.34
25.333	0.00	0.04	0.062	O	|	|	|	0.34
25.417	0.00	0.04	0.061	O	|	|	|	0.34
25.500	0.00	0.04	0.061	O	|	|	|	0.34
25.583	0.00	0.04	0.061	O	|	|	|	0.33
25.667	0.00	0.04	0.061	O	|	|	|	0.33
25.750	0.00	0.04	0.060	O	|	|	|	0.33
25.833	0.00	0.04	0.060	O	|	|	|	0.33
25.917	0.00	0.04	0.060	O	|	|	|	0.33
26.000	0.00	0.04	0.060	O	|	|	|	0.33
26.083	0.00	0.04	0.059	O	|	|	|	0.33
26.167	0.00	0.04	0.059	O	|	|	|	0.32
26.250	0.00	0.04	0.059	O	|	|	|	0.32
26.333	0.00	0.04	0.058	O	|	|	|	0.32
26.417	0.00	0.04	0.058	O	|	|	|	0.32
26.500	0.00	0.04	0.058	O	|	|	|	0.32
26.583	0.00	0.04	0.058	O	|	|	|	0.32
26.667	0.00	0.04	0.057	O	|	|	|	0.32
26.750	0.00	0.04	0.057	O	|	|	|	0.31
26.833	0.00	0.04	0.057	O	|	|	|	0.31
26.917	0.00	0.04	0.057	O	|	|	|	0.31
27.000	0.00	0.04	0.056	O	|	|	|	0.31
27.083	0.00	0.04	0.056	O	|	|	|	0.31
27.167	0.00	0.04	0.056	O	|	|	|	0.31
27.250	0.00	0.04	0.056	O	|	|	|	0.31
27.333	0.00	0.04	0.055	O	|	|	|	0.30
27.417	0.00	0.04	0.055	O	|	|	|	0.30
27.500	0.00	0.04	0.055	O	|	|	|	0.30
27.583	0.00	0.04	0.055	O	|	|	|	0.30
27.667	0.00	0.04	0.054	O	|	|	|	0.30
27.750	0.00	0.04	0.054	O	|	|	|	0.30
27.833	0.00	0.04	0.054	O	|	|	|	0.30
27.917	0.00	0.04	0.054	O	|	|	|	0.29
28.000	0.00	0.04	0.053	O	|	|	|	0.29
28.083	0.00	0.04	0.053	O	|	|	|	0.29
28.167	0.00	0.03	0.053	O	|	|	|	0.29
28.250	0.00	0.03	0.053	O	|	|	|	0.29
28.333	0.00	0.03	0.052	O	|	|	|	0.29
28.417	0.00	0.03	0.052	O	|	|	|	0.29
28.500	0.00	0.03	0.052	O	|	|	|	0.29
28.583	0.00	0.03	0.052	O	|	|	|	0.28
28.667	0.00	0.03	0.051	O	|	|	|	0.28
28.750	0.00	0.03	0.051	O	|	|	|	0.28

28.833	0.00	0.03	0.051	O	|	|	|	0.28
28.917	0.00	0.03	0.051	O	|	|	|	0.28
29.000	0.00	0.03	0.051	O	|	|	|	0.28
29.083	0.00	0.03	0.050	O	|	|	|	0.28
29.167	0.00	0.03	0.050	O	|	|	|	0.28
29.250	0.00	0.03	0.050	O	|	|	|	0.27
29.333	0.00	0.03	0.050	O	|	|	|	0.27
29.417	0.00	0.03	0.049	O	|	|	|	0.27
29.500	0.00	0.03	0.049	O	|	|	|	0.27
29.583	0.00	0.03	0.049	O	|	|	|	0.27
29.667	0.00	0.03	0.049	O	|	|	|	0.27
29.750	0.00	0.03	0.049	O	|	|	|	0.27
29.833	0.00	0.03	0.048	O	|	|	|	0.27
29.917	0.00	0.03	0.048	O	|	|	|	0.26
30.000	0.00	0.03	0.048	O	|	|	|	0.26
30.083	0.00	0.03	0.048	O	|	|	|	0.26
30.167	0.00	0.03	0.047	O	|	|	|	0.26
30.250	0.00	0.03	0.047	O	|	|	|	0.26
30.333	0.00	0.03	0.047	O	|	|	|	0.26
30.417	0.00	0.03	0.047	O	|	|	|	0.26
30.500	0.00	0.03	0.047	O	|	|	|	0.26
30.583	0.00	0.03	0.046	O	|	|	|	0.25
30.667	0.00	0.03	0.046	O	|	|	|	0.25
30.750	0.00	0.03	0.046	O	|	|	|	0.25
30.833	0.00	0.03	0.046	O	|	|	|	0.25
30.917	0.00	0.03	0.046	O	|	|	|	0.25
31.000	0.00	0.03	0.045	O	|	|	|	0.25
31.083	0.00	0.03	0.045	O	|	|	|	0.25
31.167	0.00	0.03	0.045	O	|	|	|	0.25
31.250	0.00	0.03	0.045	O	|	|	|	0.25
31.333	0.00	0.03	0.045	O	|	|	|	0.24
31.417	0.00	0.03	0.044	O	|	|	|	0.24
31.500	0.00	0.03	0.044	O	|	|	|	0.24
31.583	0.00	0.03	0.044	O	|	|	|	0.24
31.667	0.00	0.03	0.044	O	|	|	|	0.24
31.750	0.00	0.03	0.044	O	|	|	|	0.24
31.833	0.00	0.03	0.043	O	|	|	|	0.24
31.917	0.00	0.03	0.043	O	|	|	|	0.24
32.000	0.00	0.03	0.043	O	|	|	|	0.24
32.083	0.00	0.03	0.043	O	|	|	|	0.23
32.167	0.00	0.03	0.043	O	|	|	|	0.23
32.250	0.00	0.03	0.042	O	|	|	|	0.23
32.333	0.00	0.03	0.042	O	|	|	|	0.23
32.417	0.00	0.03	0.042	O	|	|	|	0.23
32.500	0.00	0.03	0.042	O	|	|	|	0.23
32.583	0.00	0.03	0.042	O	|	|	|	0.23
32.667	0.00	0.03	0.041	O	|	|	|	0.23
32.750	0.00	0.03	0.041	O	|	|	|	0.23
32.833	0.00	0.03	0.041	O	|	|	|	0.23
32.917	0.00	0.03	0.041	O	|	|	|	0.22
33.000	0.00	0.03	0.041	O	|	|	|	0.22
33.083	0.00	0.03	0.040	O	|	|	|	0.22

33.167	0.00	0.03	0.040	O	|	|	|	0.22
33.250	0.00	0.03	0.040	O	|	|	|	0.22
33.333	0.00	0.03	0.040	O	|	|	|	0.22
33.417	0.00	0.03	0.040	O	|	|	|	0.22
33.500	0.00	0.03	0.040	O	|	|	|	0.22
33.583	0.00	0.03	0.039	O	|	|	|	0.22
33.667	0.00	0.03	0.039	O	|	|	|	0.22
33.750	0.00	0.03	0.039	O	|	|	|	0.21
33.833	0.00	0.03	0.039	O	|	|	|	0.21
33.917	0.00	0.03	0.039	O	|	|	|	0.21
34.000	0.00	0.03	0.039	O	|	|	|	0.21
34.083	0.00	0.03	0.038	O	|	|	|	0.21
34.167	0.00	0.03	0.038	O	|	|	|	0.21
34.250	0.00	0.03	0.038	O	|	|	|	0.21
34.333	0.00	0.02	0.038	O	|	|	|	0.21
34.417	0.00	0.02	0.038	O	|	|	|	0.21
34.500	0.00	0.02	0.037	O	|	|	|	0.21
34.583	0.00	0.02	0.037	O	|	|	|	0.20
34.667	0.00	0.02	0.037	O	|	|	|	0.20
34.750	0.00	0.02	0.037	O	|	|	|	0.20
34.833	0.00	0.02	0.037	O	|	|	|	0.20
34.917	0.00	0.02	0.037	O	|	|	|	0.20
35.000	0.00	0.02	0.036	O	|	|	|	0.20
35.083	0.00	0.02	0.036	O	|	|	|	0.20
35.167	0.00	0.02	0.036	O	|	|	|	0.20
35.250	0.00	0.02	0.036	O	|	|	|	0.20
35.333	0.00	0.02	0.036	O	|	|	|	0.20
35.417	0.00	0.02	0.036	O	|	|	|	0.20
35.500	0.00	0.02	0.035	O	|	|	|	0.19
35.583	0.00	0.02	0.035	O	|	|	|	0.19
35.667	0.00	0.02	0.035	O	|	|	|	0.19
35.750	0.00	0.02	0.035	O	|	|	|	0.19
35.833	0.00	0.02	0.035	O	|	|	|	0.19
35.917	0.00	0.02	0.035	O	|	|	|	0.19
36.000	0.00	0.02	0.035	O	|	|	|	0.19
36.083	0.00	0.02	0.034	O	|	|	|	0.19
36.167	0.00	0.02	0.034	O	|	|	|	0.19
36.250	0.00	0.02	0.034	O	|	|	|	0.19
36.333	0.00	0.02	0.034	O	|	|	|	0.19
36.417	0.00	0.02	0.034	O	|	|	|	0.19
36.500	0.00	0.02	0.034	O	|	|	|	0.18
36.583	0.00	0.02	0.033	O	|	|	|	0.18
36.667	0.00	0.02	0.033	O	|	|	|	0.18
36.750	0.00	0.02	0.033	O	|	|	|	0.18
36.833	0.00	0.02	0.033	O	|	|	|	0.18
36.917	0.00	0.02	0.033	O	|	|	|	0.18
37.000	0.00	0.02	0.033	O	|	|	|	0.18
37.083	0.00	0.02	0.033	O	|	|	|	0.18
37.167	0.00	0.02	0.032	O	|	|	|	0.18
37.250	0.00	0.02	0.032	O	|	|	|	0.18
37.333	0.00	0.02	0.032	O	|	|	|	0.18
37.417	0.00	0.02	0.032	O	|	|	|	0.18

37.500	0.00	0.02	0.032	O	|	|	|	0.17
37.583	0.00	0.02	0.032	O	|	|	|	0.17
37.667	0.00	0.02	0.032	O	|	|	|	0.17
37.750	0.00	0.02	0.031	O	|	|	|	0.17
37.833	0.00	0.02	0.031	O	|	|	|	0.17
37.917	0.00	0.02	0.031	O	|	|	|	0.17
38.000	0.00	0.02	0.031	O	|	|	|	0.17
38.083	0.00	0.02	0.031	O	|	|	|	0.17
38.167	0.00	0.02	0.031	O	|	|	|	0.17
38.250	0.00	0.02	0.031	O	|	|	|	0.17
38.333	0.00	0.02	0.030	O	|	|	|	0.17
38.417	0.00	0.02	0.030	O	|	|	|	0.17
38.500	0.00	0.02	0.030	O	|	|	|	0.17
38.583	0.00	0.02	0.030	O	|	|	|	0.16
38.667	0.00	0.02	0.030	O	|	|	|	0.16
38.750	0.00	0.02	0.030	O	|	|	|	0.16
38.833	0.00	0.02	0.030	O	|	|	|	0.16
38.917	0.00	0.02	0.029	O	|	|	|	0.16
39.000	0.00	0.02	0.029	O	|	|	|	0.16
39.083	0.00	0.02	0.029	O	|	|	|	0.16
39.167	0.00	0.02	0.029	O	|	|	|	0.16
39.250	0.00	0.02	0.029	O	|	|	|	0.16
39.333	0.00	0.02	0.029	O	|	|	|	0.16
39.417	0.00	0.02	0.029	O	|	|	|	0.16
39.500	0.00	0.02	0.029	O	|	|	|	0.16
39.583	0.00	0.02	0.028	O	|	|	|	0.16
39.667	0.00	0.02	0.028	O	|	|	|	0.16
39.750	0.00	0.02	0.028	O	|	|	|	0.15
39.833	0.00	0.02	0.028	O	|	|	|	0.15
39.917	0.00	0.02	0.028	O	|	|	|	0.15
40.000	0.00	0.02	0.028	O	|	|	|	0.15
40.083	0.00	0.02	0.028	O	|	|	|	0.15
40.167	0.00	0.02	0.028	O	|	|	|	0.15
40.250	0.00	0.02	0.027	O	|	|	|	0.15
40.333	0.00	0.02	0.027	O	|	|	|	0.15
40.417	0.00	0.02	0.027	O	|	|	|	0.15
40.500	0.00	0.02	0.027	O	|	|	|	0.15
40.583	0.00	0.02	0.027	O	|	|	|	0.15
40.667	0.00	0.02	0.027	O	|	|	|	0.15
40.750	0.00	0.02	0.027	O	|	|	|	0.15
40.833	0.00	0.02	0.027	O	|	|	|	0.15
40.917	0.00	0.02	0.026	O	|	|	|	0.15
41.000	0.00	0.02	0.026	O	|	|	|	0.14
41.083	0.00	0.02	0.026	O	|	|	|	0.14
41.167	0.00	0.02	0.026	O	|	|	|	0.14
41.250	0.00	0.02	0.026	O	|	|	|	0.14
41.333	0.00	0.02	0.026	O	|	|	|	0.14
41.417	0.00	0.02	0.026	O	|	|	|	0.14
41.500	0.00	0.02	0.026	O	|	|	|	0.14
41.583	0.00	0.02	0.025	O	|	|	|	0.14
41.667	0.00	0.02	0.025	O	|	|	|	0.14
41.750	0.00	0.02	0.025	O	|	|	|	0.14

41.833	0.00	0.02	0.025	O	|	|	|	0.14
41.917	0.00	0.02	0.025	O	|	|	|	0.14
42.000	0.00	0.02	0.025	O	|	|	|	0.14
42.083	0.00	0.02	0.025	O	|	|	|	0.14
42.167	0.00	0.02	0.025	O	|	|	|	0.14
42.250	0.00	0.02	0.025	O	|	|	|	0.13
42.333	0.00	0.02	0.024	O	|	|	|	0.13
42.417	0.00	0.02	0.024	O	|	|	|	0.13
42.500	0.00	0.02	0.024	O	|	|	|	0.13
42.583	0.00	0.02	0.024	O	|	|	|	0.13
42.667	0.00	0.02	0.024	O	|	|	|	0.13
42.750	0.00	0.02	0.024	O	|	|	|	0.13
42.833	0.00	0.02	0.024	O	|	|	|	0.13
42.917	0.00	0.02	0.024	O	|	|	|	0.13
43.000	0.00	0.02	0.024	O	|	|	|	0.13
43.083	0.00	0.02	0.023	O	|	|	|	0.13
43.167	0.00	0.02	0.023	O	|	|	|	0.13
43.250	0.00	0.02	0.023	O	|	|	|	0.13
43.333	0.00	0.02	0.023	O	|	|	|	0.13
43.417	0.00	0.02	0.023	O	|	|	|	0.13
43.500	0.00	0.02	0.023	O	|	|	|	0.13
43.583	0.00	0.02	0.023	O	|	|	|	0.13
43.667	0.00	0.01	0.023	O	|	|	|	0.12
43.750	0.00	0.01	0.023	O	|	|	|	0.12
43.833	0.00	0.01	0.023	O	|	|	|	0.12
43.917	0.00	0.01	0.022	O	|	|	|	0.12
44.000	0.00	0.01	0.022	O	|	|	|	0.12
44.083	0.00	0.01	0.022	O	|	|	|	0.12
44.167	0.00	0.01	0.022	O	|	|	|	0.12
44.250	0.00	0.01	0.022	O	|	|	|	0.12
44.333	0.00	0.01	0.022	O	|	|	|	0.12
44.417	0.00	0.01	0.022	O	|	|	|	0.12
44.500	0.00	0.01	0.022	O	|	|	|	0.12
44.583	0.00	0.01	0.022	O	|	|	|	0.12
44.667	0.00	0.01	0.022	O	|	|	|	0.12
44.750	0.00	0.01	0.021	O	|	|	|	0.12
44.833	0.00	0.01	0.021	O	|	|	|	0.12
44.917	0.00	0.01	0.021	O	|	|	|	0.12
45.000	0.00	0.01	0.021	O	|	|	|	0.12
45.083	0.00	0.01	0.021	O	|	|	|	0.12
45.167	0.00	0.01	0.021	O	|	|	|	0.12
45.250	0.00	0.01	0.021	O	|	|	|	0.11
45.333	0.00	0.01	0.021	O	|	|	|	0.11
45.417	0.00	0.01	0.021	O	|	|	|	0.11
45.500	0.00	0.01	0.021	O	|	|	|	0.11
45.583	0.00	0.01	0.020	O	|	|	|	0.11
45.667	0.00	0.01	0.020	O	|	|	|	0.11
45.750	0.00	0.01	0.020	O	|	|	|	0.11
45.833	0.00	0.01	0.020	O	|	|	|	0.11
45.917	0.00	0.01	0.020	O	|	|	|	0.11
46.000	0.00	0.01	0.020	O	|	|	|	0.11
46.083	0.00	0.01	0.020	O	|	|	|	0.11

46.167	0.00	0.01	0.020	O	|	|	|	0.11
46.250	0.00	0.01	0.020	O	|	|	|	0.11
46.333	0.00	0.01	0.020	O	|	|	|	0.11
46.417	0.00	0.01	0.020	O	|	|	|	0.11
46.500	0.00	0.01	0.019	O	|	|	|	0.11
46.583	0.00	0.01	0.019	O	|	|	|	0.11
46.667	0.00	0.01	0.019	O	|	|	|	0.11
46.750	0.00	0.01	0.019	O	|	|	|	0.11
46.833	0.00	0.01	0.019	O	|	|	|	0.11
46.917	0.00	0.01	0.019	O	|	|	|	0.10
47.000	0.00	0.01	0.019	O	|	|	|	0.10
47.083	0.00	0.01	0.019	O	|	|	|	0.10
47.167	0.00	0.01	0.019	O	|	|	|	0.10
47.250	0.00	0.01	0.019	O	|	|	|	0.10
47.333	0.00	0.01	0.019	O	|	|	|	0.10
47.417	0.00	0.01	0.019	O	|	|	|	0.10
47.500	0.00	0.01	0.018	O	|	|	|	0.10
47.583	0.00	0.01	0.018	O	|	|	|	0.10
47.667	0.00	0.01	0.018	O	|	|	|	0.10
47.750	0.00	0.01	0.018	O	|	|	|	0.10
47.833	0.00	0.01	0.018	O	|	|	|	0.10
47.917	0.00	0.01	0.018	O	|	|	|	0.10
48.000	0.00	0.01	0.018	O	|	|	|	0.10
48.083	0.00	0.01	0.018	O	|	|	|	0.10
48.167	0.00	0.01	0.018	O	|	|	|	0.10
48.250	0.00	0.01	0.018	O	|	|	|	0.10
48.333	0.00	0.01	0.018	O	|	|	|	0.10
48.417	0.00	0.01	0.018	O	|	|	|	0.10
48.500	0.00	0.01	0.017	O	|	|	|	0.10
48.583	0.00	0.01	0.017	O	|	|	|	0.10
48.667	0.00	0.01	0.017	O	|	|	|	0.10
48.750	0.00	0.01	0.017	O	|	|	|	0.09
48.833	0.00	0.01	0.017	O	|	|	|	0.09
48.917	0.00	0.01	0.017	O	|	|	|	0.09
49.000	0.00	0.01	0.017	O	|	|	|	0.09
49.083	0.00	0.01	0.017	O	|	|	|	0.09
49.167	0.00	0.01	0.017	O	|	|	|	0.09
49.250	0.00	0.01	0.017	O	|	|	|	0.09
49.333	0.00	0.01	0.017	O	|	|	|	0.09
49.417	0.00	0.01	0.017	O	|	|	|	0.09
49.500	0.00	0.01	0.017	O	|	|	|	0.09
49.583	0.00	0.01	0.016	O	|	|	|	0.09
49.667	0.00	0.01	0.016	O	|	|	|	0.09
49.750	0.00	0.01	0.016	O	|	|	|	0.09
49.833	0.00	0.01	0.016	O	|	|	|	0.09
49.917	0.00	0.01	0.016	O	|	|	|	0.09
50.000	0.00	0.01	0.016	O	|	|	|	0.09
50.083	0.00	0.01	0.016	O	|	|	|	0.09
50.167	0.00	0.01	0.016	O	|	|	|	0.09
50.250	0.00	0.01	0.016	O	|	|	|	0.09
50.333	0.00	0.01	0.016	O	|	|	|	0.09
50.417	0.00	0.01	0.016	O	|	|	|	0.09

50.500	0.00	0.01	0.016	O	|	|	|	0.09
50.583	0.00	0.01	0.016	O	|	|	|	0.09
50.667	0.00	0.01	0.016	O	|	|	|	0.09
50.750	0.00	0.01	0.015	O	|	|	|	0.08
50.833	0.00	0.01	0.015	O	|	|	|	0.08
50.917	0.00	0.01	0.015	O	|	|	|	0.08
51.000	0.00	0.01	0.015	O	|	|	|	0.08
51.083	0.00	0.01	0.015	O	|	|	|	0.08
51.167	0.00	0.01	0.015	O	|	|	|	0.08
51.250	0.00	0.01	0.015	O	|	|	|	0.08
51.333	0.00	0.01	0.015	O	|	|	|	0.08
51.417	0.00	0.01	0.015	O	|	|	|	0.08
51.500	0.00	0.01	0.015	O	|	|	|	0.08
51.583	0.00	0.01	0.015	O	|	|	|	0.08
51.667	0.00	0.01	0.015	O	|	|	|	0.08
51.750	0.00	0.01	0.015	O	|	|	|	0.08
51.833	0.00	0.01	0.015	O	|	|	|	0.08
51.917	0.00	0.01	0.015	O	|	|	|	0.08
52.000	0.00	0.01	0.014	O	|	|	|	0.08
52.083	0.00	0.01	0.014	O	|	|	|	0.08
52.167	0.00	0.01	0.014	O	|	|	|	0.08
52.250	0.00	0.01	0.014	O	|	|	|	0.08
52.333	0.00	0.01	0.014	O	|	|	|	0.08
52.417	0.00	0.01	0.014	O	|	|	|	0.08
52.500	0.00	0.01	0.014	O	|	|	|	0.08
52.583	0.00	0.01	0.014	O	|	|	|	0.08
52.667	0.00	0.01	0.014	O	|	|	|	0.08
52.750	0.00	0.01	0.014	O	|	|	|	0.08
52.833	0.00	0.01	0.014	O	|	|	|	0.08
52.917	0.00	0.01	0.014	O	|	|	|	0.08
53.000	0.00	0.01	0.014	O	|	|	|	0.08
53.083	0.00	0.01	0.014	O	|	|	|	0.07
53.167	0.00	0.01	0.014	O	|	|	|	0.07
53.250	0.00	0.01	0.013	O	|	|	|	0.07
53.333	0.00	0.01	0.013	O	|	|	|	0.07
53.417	0.00	0.01	0.013	O	|	|	|	0.07
53.500	0.00	0.01	0.013	O	|	|	|	0.07
53.583	0.00	0.01	0.013	O	|	|	|	0.07
53.667	0.00	0.01	0.013	O	|	|	|	0.07
53.750	0.00	0.01	0.013	O	|	|	|	0.07
53.833	0.00	0.01	0.013	O	|	|	|	0.07
53.917	0.00	0.01	0.013	O	|	|	|	0.07
54.000	0.00	0.01	0.013	O	|	|	|	0.07
54.083	0.00	0.01	0.013	O	|	|	|	0.07
54.167	0.00	0.01	0.013	O	|	|	|	0.07
54.250	0.00	0.01	0.013	O	|	|	|	0.07
54.333	0.00	0.01	0.013	O	|	|	|	0.07
54.417	0.00	0.01	0.013	O	|	|	|	0.07
54.500	0.00	0.01	0.013	O	|	|	|	0.07
54.583	0.00	0.01	0.013	O	|	|	|	0.07
54.667	0.00	0.01	0.012	O	|	|	|	0.07
54.750	0.00	0.01	0.012	O	|	|	|	0.07

54.833	0.00	0.01	0.012	O	|	|	|	| 0.07
54.917	0.00	0.01	0.012	O	|	|	|	| 0.07
55.000	0.00	0.01	0.012	O	|	|	|	| 0.07
55.083	0.00	0.01	0.012	O	|	|	|	| 0.07
55.167	0.00	0.01	0.012	O	|	|	|	| 0.07
55.250	0.00	0.01	0.012	O	|	|	|	| 0.07
55.333	0.00	0.01	0.012	O	|	|	|	| 0.07
55.417	0.00	0.01	0.012	O	|	|	|	| 0.07
55.500	0.00	0.01	0.012	O	|	|	|	| 0.07
55.583	0.00	0.01	0.012	O	|	|	|	| 0.07
55.667	0.00	0.01	0.012	O	|	|	|	| 0.06
55.750	0.00	0.01	0.012	O	|	|	|	| 0.06
55.833	0.00	0.01	0.012	O	|	|	|	| 0.06
55.917	0.00	0.01	0.012	O	|	|	|	| 0.06
56.000	0.00	0.01	0.012	O	|	|	|	| 0.06
56.083	0.00	0.01	0.012	O	|	|	|	| 0.06
56.167	0.00	0.01	0.012	O	|	|	|	| 0.06
56.250	0.00	0.01	0.011	O	|	|	|	| 0.06
56.333	0.00	0.01	0.011	O	|	|	|	| 0.06
56.417	0.00	0.01	0.011	O	|	|	|	| 0.06
56.500	0.00	0.01	0.011	O	|	|	|	| 0.06
56.583	0.00	0.01	0.011	O	|	|	|	| 0.06
56.667	0.00	0.01	0.011	O	|	|	|	| 0.06
56.750	0.00	0.01	0.011	O	|	|	|	| 0.06
56.833	0.00	0.01	0.011	O	|	|	|	| 0.06
56.917	0.00	0.01	0.011	O	|	|	|	| 0.06
57.000	0.00	0.01	0.011	O	|	|	|	| 0.06
57.083	0.00	0.01	0.011	O	|	|	|	| 0.06
57.167	0.00	0.01	0.011	O	|	|	|	| 0.06
57.250	0.00	0.01	0.011	O	|	|	|	| 0.06
57.333	0.00	0.01	0.011	O	|	|	|	| 0.06
57.417	0.00	0.01	0.011	O	|	|	|	| 0.06
57.500	0.00	0.01	0.011	O	|	|	|	| 0.06
57.583	0.00	0.01	0.011	O	|	|	|	| 0.06
57.667	0.00	0.01	0.011	O	|	|	|	| 0.06
57.750	0.00	0.01	0.011	O	|	|	|	| 0.06
57.833	0.00	0.01	0.011	O	|	|	|	| 0.06
57.917	0.00	0.01	0.010	O	|	|	|	| 0.06
58.000	0.00	0.01	0.010	O	|	|	|	| 0.06
58.083	0.00	0.01	0.010	O	|	|	|	| 0.06
58.167	0.00	0.01	0.010	O	|	|	|	| 0.06
58.250	0.00	0.01	0.010	O	|	|	|	| 0.06
58.333	0.00	0.01	0.010	O	|	|	|	| 0.06
58.417	0.00	0.01	0.010	O	|	|	|	| 0.06
58.500	0.00	0.01	0.010	O	|	|	|	| 0.06
58.583	0.00	0.01	0.010	O	|	|	|	| 0.06
58.667	0.00	0.01	0.010	O	|	|	|	| 0.06
58.750	0.00	0.01	0.010	O	|	|	|	| 0.05
58.833	0.00	0.01	0.010	O	|	|	|	| 0.05
58.917	0.00	0.01	0.010	O	|	|	|	| 0.05
59.000	0.00	0.01	0.010	O	|	|	|	| 0.05
59.083	0.00	0.01	0.010	O	|	|	|	| 0.05

59.167	0.00	0.01	0.010	O	|	|	|	0.05
59.250	0.00	0.01	0.010	O	|	|	|	0.05
59.333	0.00	0.01	0.010	O	|	|	|	0.05
59.417	0.00	0.01	0.010	O	|	|	|	0.05
59.500	0.00	0.01	0.010	O	|	|	|	0.05
59.583	0.00	0.01	0.010	O	|	|	|	0.05
59.667	0.00	0.01	0.010	O	|	|	|	0.05
59.750	0.00	0.01	0.009	O	|	|	|	0.05
59.833	0.00	0.01	0.009	O	|	|	|	0.05
59.917	0.00	0.01	0.009	O	|	|	|	0.05
60.000	0.00	0.01	0.009	O	|	|	|	0.05
60.083	0.00	0.01	0.009	O	|	|	|	0.05
60.167	0.00	0.01	0.009	O	|	|	|	0.05
60.250	0.00	0.01	0.009	O	|	|	|	0.05
60.333	0.00	0.01	0.009	O	|	|	|	0.05
60.417	0.00	0.01	0.009	O	|	|	|	0.05
60.500	0.00	0.01	0.009	O	|	|	|	0.05
60.583	0.00	0.01	0.009	O	|	|	|	0.05
60.667	0.00	0.01	0.009	O	|	|	|	0.05
60.750	0.00	0.01	0.009	O	|	|	|	0.05
60.833	0.00	0.01	0.009	O	|	|	|	0.05
60.917	0.00	0.01	0.009	O	|	|	|	0.05
61.000	0.00	0.01	0.009	O	|	|	|	0.05
61.083	0.00	0.01	0.009	O	|	|	|	0.05
61.167	0.00	0.01	0.009	O	|	|	|	0.05
61.250	0.00	0.01	0.009	O	|	|	|	0.05
61.333	0.00	0.01	0.009	O	|	|	|	0.05
61.417	0.00	0.01	0.009	O	|	|	|	0.05
61.500	0.00	0.01	0.009	O	|	|	|	0.05
61.583	0.00	0.01	0.009	O	|	|	|	0.05
61.667	0.00	0.01	0.009	O	|	|	|	0.05
61.750	0.00	0.01	0.008	O	|	|	|	0.05
61.833	0.00	0.01	0.008	O	|	|	|	0.05
61.917	0.00	0.01	0.008	O	|	|	|	0.05
62.000	0.00	0.01	0.008	O	|	|	|	0.05
62.083	0.00	0.01	0.008	O	|	|	|	0.05
62.167	0.00	0.01	0.008	O	|	|	|	0.05
62.250	0.00	0.01	0.008	O	|	|	|	0.05
62.333	0.00	0.01	0.008	O	|	|	|	0.05
62.417	0.00	0.01	0.008	O	|	|	|	0.04
62.500	0.00	0.01	0.008	O	|	|	|	0.04
62.583	0.00	0.01	0.008	O	|	|	|	0.04
62.667	0.00	0.01	0.008	O	|	|	|	0.04
62.750	0.00	0.01	0.008	O	|	|	|	0.04
62.833	0.00	0.01	0.008	O	|	|	|	0.04
62.917	0.00	0.01	0.008	O	|	|	|	0.04
63.000	0.00	0.01	0.008	O	|	|	|	0.04
63.083	0.00	0.01	0.008	O	|	|	|	0.04
63.167	0.00	0.01	0.008	O	|	|	|	0.04
63.250	0.00	0.01	0.008	O	|	|	|	0.04
63.333	0.00	0.01	0.008	O	|	|	|	0.04
63.417	0.00	0.01	0.008	O	|	|	|	0.04

63.500	0.00	0.01	0.008	O	|	|	|	|	0.04
63.583	0.00	0.01	0.008	O	|	|	|	|	0.04
63.667	0.00	0.01	0.008	O	|	|	|	|	0.04
63.750	0.00	0.01	0.008	O	|	|	|	|	0.04
63.833	0.00	0.00	0.008	O	|	|	|	|	0.04
63.917	0.00	0.00	0.008	O	|	|	|	|	0.04
64.000	0.00	0.00	0.008	O	|	|	|	|	0.04
64.083	0.00	0.00	0.007	O	|	|	|	|	0.04
64.167	0.00	0.00	0.007	O	|	|	|	|	0.04
64.250	0.00	0.00	0.007	O	|	|	|	|	0.04
64.333	0.00	0.00	0.007	O	|	|	|	|	0.04
64.417	0.00	0.00	0.007	O	|	|	|	|	0.04
64.500	0.00	0.00	0.007	O	|	|	|	|	0.04
64.583	0.00	0.00	0.007	O	|	|	|	|	0.04
64.667	0.00	0.00	0.007	O	|	|	|	|	0.04
64.750	0.00	0.00	0.007	O	|	|	|	|	0.04
64.833	0.00	0.00	0.007	O	|	|	|	|	0.04
64.917	0.00	0.00	0.007	O	|	|	|	|	0.04
65.000	0.00	0.00	0.007	O	|	|	|	|	0.04
65.083	0.00	0.00	0.007	O	|	|	|	|	0.04
65.167	0.00	0.00	0.007	O	|	|	|	|	0.04
65.250	0.00	0.00	0.007	O	|	|	|	|	0.04
65.333	0.00	0.00	0.007	O	|	|	|	|	0.04
65.417	0.00	0.00	0.007	O	|	|	|	|	0.04
65.500	0.00	0.00	0.007	O	|	|	|	|	0.04
65.583	0.00	0.00	0.007	O	|	|	|	|	0.04
65.667	0.00	0.00	0.007	O	|	|	|	|	0.04
65.750	0.00	0.00	0.007	O	|	|	|	|	0.04
65.833	0.00	0.00	0.007	O	|	|	|	|	0.04
65.917	0.00	0.00	0.007	O	|	|	|	|	0.04
66.000	0.00	0.00	0.007	O	|	|	|	|	0.04
66.083	0.00	0.00	0.007	O	|	|	|	|	0.04
66.167	0.00	0.00	0.007	O	|	|	|	|	0.04
66.250	0.00	0.00	0.007	O	|	|	|	|	0.04
66.333	0.00	0.00	0.007	O	|	|	|	|	0.04
66.417	0.00	0.00	0.007	O	|	|	|	|	0.04
66.500	0.00	0.00	0.007	O	|	|	|	|	0.04
66.583	0.00	0.00	0.007	O	|	|	|	|	0.04
66.667	0.00	0.00	0.006	O	|	|	|	|	0.04
66.750	0.00	0.00	0.006	O	|	|	|	|	0.04
66.833	0.00	0.00	0.006	O	|	|	|	|	0.04
66.917	0.00	0.00	0.006	O	|	|	|	|	0.04
67.000	0.00	0.00	0.006	O	|	|	|	|	0.04
67.083	0.00	0.00	0.006	O	|	|	|	|	0.03
67.167	0.00	0.00	0.006	O	|	|	|	|	0.03
67.250	0.00	0.00	0.006	O	|	|	|	|	0.03
67.333	0.00	0.00	0.006	O	|	|	|	|	0.03
67.417	0.00	0.00	0.006	O	|	|	|	|	0.03
67.500	0.00	0.00	0.006	O	|	|	|	|	0.03
67.583	0.00	0.00	0.006	O	|	|	|	|	0.03
67.667	0.00	0.00	0.006	O	|	|	|	|	0.03
67.750	0.00	0.00	0.006	O	|	|	|	|	0.03

67.833	0.00	0.00	0.006	O	|	|	|	| 0.03
67.917	0.00	0.00	0.006	O	|	|	|	| 0.03
68.000	0.00	0.00	0.006	O	|	|	|	| 0.03
68.083	0.00	0.00	0.006	O	|	|	|	| 0.03
68.167	0.00	0.00	0.006	O	|	|	|	| 0.03
68.250	0.00	0.00	0.006	O	|	|	|	| 0.03
68.333	0.00	0.00	0.006	O	|	|	|	| 0.03
68.417	0.00	0.00	0.006	O	|	|	|	| 0.03
68.500	0.00	0.00	0.006	O	|	|	|	| 0.03
68.583	0.00	0.00	0.006	O	|	|	|	| 0.03
68.667	0.00	0.00	0.006	O	|	|	|	| 0.03
68.750	0.00	0.00	0.006	O	|	|	|	| 0.03
68.833	0.00	0.00	0.006	O	|	|	|	| 0.03
68.917	0.00	0.00	0.006	O	|	|	|	| 0.03
69.000	0.00	0.00	0.006	O	|	|	|	| 0.03
69.083	0.00	0.00	0.006	O	|	|	|	| 0.03
69.167	0.00	0.00	0.006	O	|	|	|	| 0.03
69.250	0.00	0.00	0.006	O	|	|	|	| 0.03
69.333	0.00	0.00	0.006	O	|	|	|	| 0.03
69.417	0.00	0.00	0.006	O	|	|	|	| 0.03
69.500	0.00	0.00	0.006	O	|	|	|	| 0.03
69.583	0.00	0.00	0.006	O	|	|	|	| 0.03
69.667	0.00	0.00	0.006	O	|	|	|	| 0.03
69.750	0.00	0.00	0.005	O	|	|	|	| 0.03
69.833	0.00	0.00	0.005	O	|	|	|	| 0.03
69.917	0.00	0.00	0.005	O	|	|	|	| 0.03
70.000	0.00	0.00	0.005	O	|	|	|	| 0.03
70.083	0.00	0.00	0.005	O	|	|	|	| 0.03
70.167	0.00	0.00	0.005	O	|	|	|	| 0.03
70.250	0.00	0.00	0.005	O	|	|	|	| 0.03
70.333	0.00	0.00	0.005	O	|	|	|	| 0.03
70.417	0.00	0.00	0.005	O	|	|	|	| 0.03
70.500	0.00	0.00	0.005	O	|	|	|	| 0.03
70.583	0.00	0.00	0.005	O	|	|	|	| 0.03
70.667	0.00	0.00	0.005	O	|	|	|	| 0.03
70.750	0.00	0.00	0.005	O	|	|	|	| 0.03
70.833	0.00	0.00	0.005	O	|	|	|	| 0.03
70.917	0.00	0.00	0.005	O	|	|	|	| 0.03
71.000	0.00	0.00	0.005	O	|	|	|	| 0.03
71.083	0.00	0.00	0.005	O	|	|	|	| 0.03
71.167	0.00	0.00	0.005	O	|	|	|	| 0.03
71.250	0.00	0.00	0.005	O	|	|	|	| 0.03
71.333	0.00	0.00	0.005	O	|	|	|	| 0.03
71.417	0.00	0.00	0.005	O	|	|	|	| 0.03
71.500	0.00	0.00	0.005	O	|	|	|	| 0.03
71.583	0.00	0.00	0.005	O	|	|	|	| 0.03
71.667	0.00	0.00	0.005	O	|	|	|	| 0.03
71.750	0.00	0.00	0.005	O	|	|	|	| 0.03
71.833	0.00	0.00	0.005	O	|	|	|	| 0.03
71.917	0.00	0.00	0.005	O	|	|	|	| 0.03
72.000	0.00	0.00	0.005	O	|	|	|	| 0.03
72.083	0.00	0.00	0.005	O	|	|	|	| 0.03

72.167	0.00	0.00	0.005	O	|	|	|	0.03
72.250	0.00	0.00	0.005	O	|	|	|	0.03
72.333	0.00	0.00	0.005	O	|	|	|	0.03
72.417	0.00	0.00	0.005	O	|	|	|	0.03
72.500	0.00	0.00	0.005	O	|	|	|	0.03
72.583	0.00	0.00	0.005	O	|	|	|	0.03
72.667	0.00	0.00	0.005	O	|	|	|	0.03
72.750	0.00	0.00	0.005	O	|	|	|	0.03
72.833	0.00	0.00	0.005	O	|	|	|	0.03
72.917	0.00	0.00	0.005	O	|	|	|	0.03
73.000	0.00	0.00	0.005	O	|	|	|	0.03
73.083	0.00	0.00	0.005	O	|	|	|	0.03
73.167	0.00	0.00	0.005	O	|	|	|	0.03
73.250	0.00	0.00	0.005	O	|	|	|	0.02
73.333	0.00	0.00	0.005	O	|	|	|	0.02
73.417	0.00	0.00	0.004	O	|	|	|	0.02
73.500	0.00	0.00	0.004	O	|	|	|	0.02
73.583	0.00	0.00	0.004	O	|	|	|	0.02
73.667	0.00	0.00	0.004	O	|	|	|	0.02
73.750	0.00	0.00	0.004	O	|	|	|	0.02
73.833	0.00	0.00	0.004	O	|	|	|	0.02
73.917	0.00	0.00	0.004	O	|	|	|	0.02
74.000	0.00	0.00	0.004	O	|	|	|	0.02
74.083	0.00	0.00	0.004	O	|	|	|	0.02
74.167	0.00	0.00	0.004	O	|	|	|	0.02
74.250	0.00	0.00	0.004	O	|	|	|	0.02
74.333	0.00	0.00	0.004	O	|	|	|	0.02
74.417	0.00	0.00	0.004	O	|	|	|	0.02
74.500	0.00	0.00	0.004	O	|	|	|	0.02
74.583	0.00	0.00	0.004	O	|	|	|	0.02
74.667	0.00	0.00	0.004	O	|	|	|	0.02
74.750	0.00	0.00	0.004	O	|	|	|	0.02
74.833	0.00	0.00	0.004	O	|	|	|	0.02
74.917	0.00	0.00	0.004	O	|	|	|	0.02
75.000	0.00	0.00	0.004	O	|	|	|	0.02
75.083	0.00	0.00	0.004	O	|	|	|	0.02
75.167	0.00	0.00	0.004	O	|	|	|	0.02
75.250	0.00	0.00	0.004	O	|	|	|	0.02
75.333	0.00	0.00	0.004	O	|	|	|	0.02
75.417	0.00	0.00	0.004	O	|	|	|	0.02
75.500	0.00	0.00	0.004	O	|	|	|	0.02
75.583	0.00	0.00	0.004	O	|	|	|	0.02
75.667	0.00	0.00	0.004	O	|	|	|	0.02
75.750	0.00	0.00	0.004	O	|	|	|	0.02
75.833	0.00	0.00	0.004	O	|	|	|	0.02
75.917	0.00	0.00	0.004	O	|	|	|	0.02
76.000	0.00	0.00	0.004	O	|	|	|	0.02
76.083	0.00	0.00	0.004	O	|	|	|	0.02
76.167	0.00	0.00	0.004	O	|	|	|	0.02
76.250	0.00	0.00	0.004	O	|	|	|	0.02
76.333	0.00	0.00	0.004	O	|	|	|	0.02
76.417	0.00	0.00	0.004	O	|	|	|	0.02

76.500	0.00	0.00	0.004	O	|	|	|	| 0.02
76.583	0.00	0.00	0.004	O	|	|	|	| 0.02
76.667	0.00	0.00	0.004	O	|	|	|	| 0.02
76.750	0.00	0.00	0.004	O	|	|	|	| 0.02
76.833	0.00	0.00	0.004	O	|	|	|	| 0.02
76.917	0.00	0.00	0.004	O	|	|	|	| 0.02
77.000	0.00	0.00	0.004	O	|	|	|	| 0.02
77.083	0.00	0.00	0.004	O	|	|	|	| 0.02
77.167	0.00	0.00	0.004	O	|	|	|	| 0.02
77.250	0.00	0.00	0.004	O	|	|	|	| 0.02
77.333	0.00	0.00	0.004	O	|	|	|	| 0.02
77.417	0.00	0.00	0.004	O	|	|	|	| 0.02
77.500	0.00	0.00	0.004	O	|	|	|	| 0.02
77.583	0.00	0.00	0.004	O	|	|	|	| 0.02
77.667	0.00	0.00	0.004	O	|	|	|	| 0.02
77.750	0.00	0.00	0.004	O	|	|	|	| 0.02
77.833	0.00	0.00	0.004	O	|	|	|	| 0.02
77.917	0.00	0.00	0.004	O	|	|	|	| 0.02
78.000	0.00	0.00	0.004	O	|	|	|	| 0.02
78.083	0.00	0.00	0.003	O	|	|	|	| 0.02
78.167	0.00	0.00	0.003	O	|	|	|	| 0.02
78.250	0.00	0.00	0.003	O	|	|	|	| 0.02
78.333	0.00	0.00	0.003	O	|	|	|	| 0.02
78.417	0.00	0.00	0.003	O	|	|	|	| 0.02
78.500	0.00	0.00	0.003	O	|	|	|	| 0.02
78.583	0.00	0.00	0.003	O	|	|	|	| 0.02
78.667	0.00	0.00	0.003	O	|	|	|	| 0.02
78.750	0.00	0.00	0.003	O	|	|	|	| 0.02
78.833	0.00	0.00	0.003	O	|	|	|	| 0.02
78.917	0.00	0.00	0.003	O	|	|	|	| 0.02
79.000	0.00	0.00	0.003	O	|	|	|	| 0.02
79.083	0.00	0.00	0.003	O	|	|	|	| 0.02
79.167	0.00	0.00	0.003	O	|	|	|	| 0.02
79.250	0.00	0.00	0.003	O	|	|	|	| 0.02
79.333	0.00	0.00	0.003	O	|	|	|	| 0.02
79.417	0.00	0.00	0.003	O	|	|	|	| 0.02
79.500	0.00	0.00	0.003	O	|	|	|	| 0.02
79.583	0.00	0.00	0.003	O	|	|	|	| 0.02
79.667	0.00	0.00	0.003	O	|	|	|	| 0.02
79.750	0.00	0.00	0.003	O	|	|	|	| 0.02
79.833	0.00	0.00	0.003	O	|	|	|	| 0.02
79.917	0.00	0.00	0.003	O	|	|	|	| 0.02
80.000	0.00	0.00	0.003	O	|	|	|	| 0.02
80.083	0.00	0.00	0.003	O	|	|	|	| 0.02
80.167	0.00	0.00	0.003	O	|	|	|	| 0.02
80.250	0.00	0.00	0.003	O	|	|	|	| 0.02
80.333	0.00	0.00	0.003	O	|	|	|	| 0.02
80.417	0.00	0.00	0.003	O	|	|	|	| 0.02
80.500	0.00	0.00	0.003	O	|	|	|	| 0.02
80.583	0.00	0.00	0.003	O	|	|	|	| 0.02
80.667	0.00	0.00	0.003	O	|	|	|	| 0.02
80.750	0.00	0.00	0.003	O	|	|	|	| 0.02

80.833	0.00	0.00	0.003	O	|	|	|	0.02
80.917	0.00	0.00	0.003	O	|	|	|	0.02
81.000	0.00	0.00	0.003	O	|	|	|	0.02
81.083	0.00	0.00	0.003	O	|	|	|	0.02
81.167	0.00	0.00	0.003	O	|	|	|	0.02
81.250	0.00	0.00	0.003	O	|	|	|	0.02
81.333	0.00	0.00	0.003	O	|	|	|	0.02
81.417	0.00	0.00	0.003	O	|	|	|	0.02
81.500	0.00	0.00	0.003	O	|	|	|	0.02
81.583	0.00	0.00	0.003	O	|	|	|	0.02
81.667	0.00	0.00	0.003	O	|	|	|	0.02
81.750	0.00	0.00	0.003	O	|	|	|	0.02
81.833	0.00	0.00	0.003	O	|	|	|	0.02
81.917	0.00	0.00	0.003	O	|	|	|	0.02
82.000	0.00	0.00	0.003	O	|	|	|	0.02
82.083	0.00	0.00	0.003	O	|	|	|	0.02
82.167	0.00	0.00	0.003	O	|	|	|	0.02
82.250	0.00	0.00	0.003	O	|	|	|	0.02
82.333	0.00	0.00	0.003	O	|	|	|	0.02
82.417	0.00	0.00	0.003	O	|	|	|	0.02
82.500	0.00	0.00	0.003	O	|	|	|	0.02
82.583	0.00	0.00	0.003	O	|	|	|	0.01
82.667	0.00	0.00	0.003	O	|	|	|	0.01
82.750	0.00	0.00	0.003	O	|	|	|	0.01
82.833	0.00	0.00	0.003	O	|	|	|	0.01
82.917	0.00	0.00	0.003	O	|	|	|	0.01
83.000	0.00	0.00	0.003	O	|	|	|	0.01
83.083	0.00	0.00	0.003	O	|	|	|	0.01
83.167	0.00	0.00	0.003	O	|	|	|	0.01
83.250	0.00	0.00	0.003	O	|	|	|	0.01
83.333	0.00	0.00	0.003	O	|	|	|	0.01
83.417	0.00	0.00	0.003	O	|	|	|	0.01
83.500	0.00	0.00	0.003	O	|	|	|	0.01
83.583	0.00	0.00	0.003	O	|	|	|	0.01
83.667	0.00	0.00	0.003	O	|	|	|	0.01
83.750	0.00	0.00	0.003	O	|	|	|	0.01
83.833	0.00	0.00	0.003	O	|	|	|	0.01
83.917	0.00	0.00	0.003	O	|	|	|	0.01
84.000	0.00	0.00	0.003	O	|	|	|	0.01
84.083	0.00	0.00	0.003	O	|	|	|	0.01
84.167	0.00	0.00	0.003	O	|	|	|	0.01
84.250	0.00	0.00	0.002	O	|	|	|	0.01
84.333	0.00	0.00	0.002	O	|	|	|	0.01
84.417	0.00	0.00	0.002	O	|	|	|	0.01
84.500	0.00	0.00	0.002	O	|	|	|	0.01
84.583	0.00	0.00	0.002	O	|	|	|	0.01
84.667	0.00	0.00	0.002	O	|	|	|	0.01
84.750	0.00	0.00	0.002	O	|	|	|	0.01
84.833	0.00	0.00	0.002	O	|	|	|	0.01
84.917	0.00	0.00	0.002	O	|	|	|	0.01
85.000	0.00	0.00	0.002	O	|	|	|	0.01
85.083	0.00	0.00	0.002	O	|	|	|	0.01

85.167	0.00	0.00	0.002	O	|	|	|	|	0.01
85.250	0.00	0.00	0.002	O	|	|	|	|	0.01
85.333	0.00	0.00	0.002	O	|	|	|	|	0.01
85.417	0.00	0.00	0.002	O	|	|	|	|	0.01
85.500	0.00	0.00	0.002	O	|	|	|	|	0.01
85.583	0.00	0.00	0.002	O	|	|	|	|	0.01
85.667	0.00	0.00	0.002	O	|	|	|	|	0.01
85.750	0.00	0.00	0.002	O	|	|	|	|	0.01
85.833	0.00	0.00	0.002	O	|	|	|	|	0.01
85.917	0.00	0.00	0.002	O	|	|	|	|	0.01
86.000	0.00	0.00	0.002	O	|	|	|	|	0.01
86.083	0.00	0.00	0.002	O	|	|	|	|	0.01
86.167	0.00	0.00	0.002	O	|	|	|	|	0.01
86.250	0.00	0.00	0.002	O	|	|	|	|	0.01
86.333	0.00	0.00	0.002	O	|	|	|	|	0.01
86.417	0.00	0.00	0.002	O	|	|	|	|	0.01
86.500	0.00	0.00	0.002	O	|	|	|	|	0.01
86.583	0.00	0.00	0.002	O	|	|	|	|	0.01
86.667	0.00	0.00	0.002	O	|	|	|	|	0.01
86.750	0.00	0.00	0.002	O	|	|	|	|	0.01
86.833	0.00	0.00	0.002	O	|	|	|	|	0.01
86.917	0.00	0.00	0.002	O	|	|	|	|	0.01
87.000	0.00	0.00	0.002	O	|	|	|	|	0.01
87.083	0.00	0.00	0.002	O	|	|	|	|	0.01
87.167	0.00	0.00	0.002	O	|	|	|	|	0.01
87.250	0.00	0.00	0.002	O	|	|	|	|	0.01
87.333	0.00	0.00	0.002	O	|	|	|	|	0.01
87.417	0.00	0.00	0.002	O	|	|	|	|	0.01
87.500	0.00	0.00	0.002	O	|	|	|	|	0.01
87.583	0.00	0.00	0.002	O	|	|	|	|	0.01
87.667	0.00	0.00	0.002	O	|	|	|	|	0.01
87.750	0.00	0.00	0.002	O	|	|	|	|	0.01
87.833	0.00	0.00	0.002	O	|	|	|	|	0.01
87.917	0.00	0.00	0.002	O	|	|	|	|	0.01
88.000	0.00	0.00	0.002	O	|	|	|	|	0.01
88.083	0.00	0.00	0.002	O	|	|	|	|	0.01
88.167	0.00	0.00	0.002	O	|	|	|	|	0.01
88.250	0.00	0.00	0.002	O	|	|	|	|	0.01
88.333	0.00	0.00	0.002	O	|	|	|	|	0.01
88.417	0.00	0.00	0.002	O	|	|	|	|	0.01
88.500	0.00	0.00	0.002	O	|	|	|	|	0.01
88.583	0.00	0.00	0.002	O	|	|	|	|	0.01
88.667	0.00	0.00	0.002	O	|	|	|	|	0.01
88.750	0.00	0.00	0.002	O	|	|	|	|	0.01
88.833	0.00	0.00	0.002	O	|	|	|	|	0.01
88.917	0.00	0.00	0.002	O	|	|	|	|	0.01
89.000	0.00	0.00	0.002	O	|	|	|	|	0.01
89.083	0.00	0.00	0.002	O	|	|	|	|	0.01
89.167	0.00	0.00	0.002	O	|	|	|	|	0.01
89.250	0.00	0.00	0.002	O	|	|	|	|	0.01
89.333	0.00	0.00	0.002	O	|	|	|	|	0.01
89.417	0.00	0.00	0.002	O	|	|	|	|	0.01

89.500	0.00	0.00	0.002	O	|	|	|	|	0.01
89.583	0.00	0.00	0.002	O	|	|	|	|	0.01
89.667	0.00	0.00	0.002	O	|	|	|	|	0.01
89.750	0.00	0.00	0.002	O	|	|	|	|	0.01
89.833	0.00	0.00	0.002	O	|	|	|	|	0.01
89.917	0.00	0.00	0.002	O	|	|	|	|	0.01
90.000	0.00	0.00	0.002	O	|	|	|	|	0.01
90.083	0.00	0.00	0.002	O	|	|	|	|	0.01
90.167	0.00	0.00	0.002	O	|	|	|	|	0.01
90.250	0.00	0.00	0.002	O	|	|	|	|	0.01
90.333	0.00	0.00	0.002	O	|	|	|	|	0.01
90.417	0.00	0.00	0.002	O	|	|	|	|	0.01
90.500	0.00	0.00	0.002	O	|	|	|	|	0.01
90.583	0.00	0.00	0.002	O	|	|	|	|	0.01
90.667	0.00	0.00	0.002	O	|	|	|	|	0.01
90.750	0.00	0.00	0.002	O	|	|	|	|	0.01
90.833	0.00	0.00	0.002	O	|	|	|	|	0.01
90.917	0.00	0.00	0.002	O	|	|	|	|	0.01
91.000	0.00	0.00	0.002	O	|	|	|	|	0.01
91.083	0.00	0.00	0.002	O	|	|	|	|	0.01
91.167	0.00	0.00	0.002	O	|	|	|	|	0.01
91.250	0.00	0.00	0.002	O	|	|	|	|	0.01
91.333	0.00	0.00	0.002	O	|	|	|	|	0.01
91.417	0.00	0.00	0.002	O	|	|	|	|	0.01
91.500	0.00	0.00	0.002	O	|	|	|	|	0.01
91.583	0.00	0.00	0.002	O	|	|	|	|	0.01
91.667	0.00	0.00	0.002	O	|	|	|	|	0.01
91.750	0.00	0.00	0.002	O	|	|	|	|	0.01
91.833	0.00	0.00	0.002	O	|	|	|	|	0.01
91.917	0.00	0.00	0.002	O	|	|	|	|	0.01
92.000	0.00	0.00	0.002	O	|	|	|	|	0.01
92.083	0.00	0.00	0.002	O	|	|	|	|	0.01
92.167	0.00	0.00	0.002	O	|	|	|	|	0.01
92.250	0.00	0.00	0.002	O	|	|	|	|	0.01
92.333	0.00	0.00	0.002	O	|	|	|	|	0.01
92.417	0.00	0.00	0.002	O	|	|	|	|	0.01
92.500	0.00	0.00	0.002	O	|	|	|	|	0.01
92.583	0.00	0.00	0.002	O	|	|	|	|	0.01
92.667	0.00	0.00	0.002	O	|	|	|	|	0.01
92.750	0.00	0.00	0.002	O	|	|	|	|	0.01
92.833	0.00	0.00	0.002	O	|	|	|	|	0.01
92.917	0.00	0.00	0.002	O	|	|	|	|	0.01
93.000	0.00	0.00	0.002	O	|	|	|	|	0.01
93.083	0.00	0.00	0.002	O	|	|	|	|	0.01
93.167	0.00	0.00	0.002	O	|	|	|	|	0.01
93.250	0.00	0.00	0.002	O	|	|	|	|	0.01
93.333	0.00	0.00	0.002	O	|	|	|	|	0.01
93.417	0.00	0.00	0.002	O	|	|	|	|	0.01

**********HYDROGRAPH DATA**********

Number of intervals = 1121

Time interval = 5.0 (Min.)

```
                Maximum/Peak flow rate =        4.809 (CFS)
                Total volume =       0.773 (Ac.Ft)
        Status of hydrographs being held in storage
                   Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
        Peak (CFS)      0.000     0.000     0.000     0.000     0.000
        Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
****************************************************************************

----------------------------------------------------------------------
```

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2022
Study date: 09/12/23

ACACIA POINTE
BASIN ROUTING ANALYSIS
INFILTRATION BASIN "B"
100-YEAR, 6-HOUR

Program License Serial Number 6545

********** HYDROGRAPH INFORMATION **********

From study/file name: BDEV6100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 75
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 6.764 (CFS)
Total volume = 0.757 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****
_____

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 75
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.86(Ft.)

Initial basin depth = 0.86 (Ft.)
Initial basin storage = 0.16 (Ac.Ft)
Initial basin outflow = 0.10 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.182	0.120	0.182	0.182
2.000	0.401	3.690	0.388	0.414
3.000	0.671	18.540	0.607	0.735
4.000	0.982	39.640	0.845	1.119
5.000	1.338	65.660	1.112	1.564
6.000	1.740	95.640	1.411	2.069

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 1.7 3.38 5.07 6.76	Depth (Ft.)
0.083	0.21	0.10	0.156	O | | | |	0.86
0.167	0.44	0.10	0.158	O I | | | |	0.87
0.250	0.51	0.11	0.160	O I | | | |	0.88
0.333	0.54	0.11	0.163	O I | | | |	0.90
0.417	0.54	0.11	0.166	O I | | | |	0.91
0.500	0.58	0.11	0.169	O I | | | |	0.93
0.583	0.62	0.11	0.173	O I | | | |	0.95
0.667	0.63	0.12	0.176	O I | | | |	0.97
0.750	0.63	0.12	0.180	O I | | | |	0.99
0.833	0.63	0.14	0.183	O I | | | |	1.00
0.917	0.63	0.19	0.186	O I | | | |	1.02
1.000	0.67	0.24	0.189	|O I | | | |	1.03
1.083	0.71	0.29	0.192	|O I | | | |	1.05
1.167	0.72	0.33	0.195	|O I | | | |	1.06
1.250	0.72	0.37	0.197	|O I | | | |	1.07
1.333	0.72	0.41	0.200	|O I | | | |	1.08
1.417	0.72	0.44	0.202	| OI | | | |	1.09
1.500	0.72	0.47	0.204	| OI | | | |	1.10
1.583	0.72	0.50	0.205	| OI | | | |	1.11
1.667	0.72	0.52	0.207	| OI | | | |	1.11
1.750	0.72	0.54	0.208	| OI | | | |	1.12
1.833	0.72	0.56	0.209	| OI | | | |	1.12
1.917	0.72	0.58	0.210	| OI | | | |	1.13
2.000	0.76	0.60	0.211	| OI | | | |	1.13
2.083	0.76	0.61	0.212	| OI | | | |	1.14
2.167	0.77	0.63	0.213	| OI | | | |	1.14
2.250	0.80	0.65	0.214	| O | | | |	1.15
2.333	0.81	0.66	0.215	| O | | | |	1.15
2.417	0.81	0.68	0.216	| O | | | |	1.16
2.500	0.81	0.69	0.217	| O | | | |	1.16
2.583	0.81	0.70	0.218	| O | | | |	1.16
2.667	0.81	0.71	0.218	| O | | | |	1.17
2.750	0.85	0.73	0.219	| OI | | | |	1.17

2.833	0.89	0.74	0.220	| OI |	|	|	|	1.17
2.917	0.90	0.76	0.221	| OI |	|	|	|	1.18
3.000	0.90	0.77	0.222	| OI |	|	|	|	1.18
3.083	0.90	0.79	0.223	| OI |	|	|	|	1.19
3.167	0.95	0.80	0.224	| OI |	|	|	|	1.19
3.250	1.00	0.82	0.225	| OI |	|	|	|	1.20
3.333	1.01	0.84	0.226	| OI |	|	|	|	1.20
3.417	1.08	0.86	0.227	| OI |	|	|	|	1.21
3.500	1.21	0.89	0.229	| OI |	|	|	|	1.22
3.583	1.35	0.93	0.232	| O I |	|	|	|	1.23
3.667	1.43	0.98	0.235	| O I |	|	|	|	1.24
3.750	1.51	1.03	0.238	| O I|	|	|	|	1.26
3.833	1.58	1.09	0.241	| O I|	|	|	|	1.27
3.917	1.66	1.14	0.245	| O I|	|	|	|	1.29
4.000	1.72	1.20	0.248	| O I	|	|	|	1.30
4.083	1.80	1.26	0.252	| O I	|	|	|	1.32
4.167	1.94	1.32	0.256	| O |I	|	|	|	1.34
4.250	2.08	1.40	0.260	| O |I	|	|	|	1.36
4.333	2.22	1.48	0.265	| O | I	|	|	|	1.38
4.417	2.37	1.56	0.271	| O| I	|	|	|	1.40
4.500	2.44	1.65	0.276	| O| I	|	|	|	1.43
4.583	2.53	1.74	0.282	| O I	|	|	|	1.45
4.667	2.66	1.83	0.287	| O I	|	|	|	1.48
4.750	2.80	1.93	0.293	| |O I	|	|	|	1.51
4.833	2.88	2.03	0.299	| |O I	|	|	|	1.53
4.917	2.97	2.12	0.305	| | O I	|	|	|	1.56
5.000	3.10	2.22	0.311	| | O I	|	|	|	1.59
5.083	3.51	2.33	0.318	| | O I	|	|	|	1.62
5.167	4.17	2.49	0.328	| | O | I	|	|	|	1.66
5.250	4.75	2.70	0.340	| | O | I	|	|	|	1.72
5.333	5.22	2.94	0.355	| | O | I	|	|	|	1.79
5.417	5.80	3.22	0.372	| | O| | I	|	|	|	1.87
5.500	6.76	3.54	0.392	| | O | | I		|	|	1.96
5.583	4.87	3.97	0.406	| | | O I	|	|	|	2.02
5.667	2.10	3.82	0.403	| |I | O |	|	|	|	2.01
5.750	1.01	3.49	0.389	| I | O |	|	|	|	1.94
5.833	0.57	3.21	0.371	| I | O|	|	|	|	1.86
5.917	0.38	2.92	0.354	|I | O |	|	|	|	1.78
6.000	0.25	2.64	0.337	|I | O |	|	|	|	1.71
6.083	0.11	2.38	0.321	I | O |	|	|	|	1.63
6.167	0.02	2.13	0.305	I | O |	|	|	|	1.56
6.250	0.01	1.91	0.292	I |O |	|	|	|	1.50
6.333	0.00	1.71	0.279	I O |	|	|	|	1.44
6.417	0.00	1.52	0.268	I O|	|	|	|	1.39
6.500	0.00	1.36	0.258	I O |	|	|	|	1.35
6.583	0.00	1.22	0.249	I O |	|	|	|	1.31
6.667	0.00	1.09	0.241	I O |	|	|	|	1.27
6.750	0.00	0.97	0.234	I O |	|	|	|	1.24
6.833	0.00	0.87	0.228	I O |	|	|	|	1.21
6.917	0.00	0.78	0.222	I O |	|	|	|	1.18
7.000	0.00	0.69	0.217	I O |	|	|	|	1.16
7.083	0.00	0.62	0.213	I O |	|	|	|	1.14

7.167	0.00	0.55	0.209	I O				1.12
7.250	0.00	0.50	0.205	I O				1.11
7.333	0.00	0.44	0.202	I O				1.09
7.417	0.00	0.40	0.199	IO				1.08
7.500	0.00	0.35	0.196	IO				1.07
7.583	0.00	0.32	0.194	IO				1.05
7.667	0.00	0.28	0.192	IO				1.05
7.750	0.00	0.25	0.190	IO				1.04
7.833	0.00	0.23	0.188	IO				1.03
7.917	0.00	0.20	0.187	O				1.02
8.000	0.00	0.18	0.186	O				1.02
8.083	0.00	0.16	0.185	O				1.01
8.167	0.00	0.14	0.183	O				1.01
8.250	0.00	0.13	0.183	O				1.00
8.333	0.00	0.12	0.182	O				1.00
8.417	0.00	0.12	0.181	O				0.99
8.500	0.00	0.12	0.180	O				0.99
8.583	0.00	0.12	0.179	O				0.98
8.667	0.00	0.12	0.178	O				0.98
8.750	0.00	0.12	0.178	O				0.98
8.833	0.00	0.12	0.177	O				0.97
8.917	0.00	0.12	0.176	O				0.97
9.000	0.00	0.12	0.175	O				0.96
9.083	0.00	0.11	0.174	O				0.96
9.167	0.00	0.11	0.174	O				0.95
9.250	0.00	0.11	0.173	O				0.95
9.333	0.00	0.11	0.172	O				0.95
9.417	0.00	0.11	0.171	O				0.94
9.500	0.00	0.11	0.170	O				0.94
9.583	0.00	0.11	0.170	O				0.93
9.667	0.00	0.11	0.169	O				0.93
9.750	0.00	0.11	0.168	O				0.92
9.833	0.00	0.11	0.167	O				0.92
9.917	0.00	0.11	0.167	O				0.92
10.000	0.00	0.11	0.166	O				0.91
10.083	0.00	0.11	0.165	O				0.91
10.167	0.00	0.11	0.164	O				0.90
10.250	0.00	0.11	0.164	O				0.90
10.333	0.00	0.11	0.163	O				0.90
10.417	0.00	0.11	0.162	O				0.89
10.500	0.00	0.11	0.161	O				0.89
10.583	0.00	0.11	0.161	O				0.88
10.667	0.00	0.11	0.160	O				0.88
10.750	0.00	0.11	0.159	O				0.88
10.833	0.00	0.10	0.159	O				0.87
10.917	0.00	0.10	0.158	O				0.87
11.000	0.00	0.10	0.157	O				0.86
11.083	0.00	0.10	0.156	O				0.86
11.167	0.00	0.10	0.156	O				0.86
11.250	0.00	0.10	0.155	O				0.85
11.333	0.00	0.10	0.154	O				0.85
11.417	0.00	0.10	0.154	O				0.84

11.500	0.00	0.10	0.153	O	|	|	|	0.84
11.583	0.00	0.10	0.152	O	|	|	|	0.84
11.667	0.00	0.10	0.151	O	|	|	|	0.83
11.750	0.00	0.10	0.151	O	|	|	|	0.83
11.833	0.00	0.10	0.150	O	|	|	|	0.82
11.917	0.00	0.10	0.149	O	|	|	|	0.82
12.000	0.00	0.10	0.149	O	|	|	|	0.82
12.083	0.00	0.10	0.148	O	|	|	|	0.81
12.167	0.00	0.10	0.147	O	|	|	|	0.81
12.250	0.00	0.10	0.147	O	|	|	|	0.81
12.333	0.00	0.10	0.146	O	|	|	|	0.80
12.417	0.00	0.10	0.145	O	|	|	|	0.80
12.500	0.00	0.10	0.145	O	|	|	|	0.80
12.583	0.00	0.10	0.144	O	|	|	|	0.79
12.667	0.00	0.09	0.143	O	|	|	|	0.79
12.750	0.00	0.09	0.143	O	|	|	|	0.78
12.833	0.00	0.09	0.142	O	|	|	|	0.78
12.917	0.00	0.09	0.142	O	|	|	|	0.78
13.000	0.00	0.09	0.141	O	|	|	|	0.77
13.083	0.00	0.09	0.140	O	|	|	|	0.77
13.167	0.00	0.09	0.140	O	|	|	|	0.77
13.250	0.00	0.09	0.139	O	|	|	|	0.76
13.333	0.00	0.09	0.138	O	|	|	|	0.76
13.417	0.00	0.09	0.138	O	|	|	|	0.76
13.500	0.00	0.09	0.137	O	|	|	|	0.75
13.583	0.00	0.09	0.136	O	|	|	|	0.75
13.667	0.00	0.09	0.136	O	|	|	|	0.75
13.750	0.00	0.09	0.135	O	|	|	|	0.74
13.833	0.00	0.09	0.135	O	|	|	|	0.74
13.917	0.00	0.09	0.134	O	|	|	|	0.74
14.000	0.00	0.09	0.133	O	|	|	|	0.73
14.083	0.00	0.09	0.133	O	|	|	|	0.73
14.167	0.00	0.09	0.132	O	|	|	|	0.73
14.250	0.00	0.09	0.132	O	|	|	|	0.72
14.333	0.00	0.09	0.131	O	|	|	|	0.72
14.417	0.00	0.09	0.130	O	|	|	|	0.72
14.500	0.00	0.09	0.130	O	|	|	|	0.71
14.583	0.00	0.09	0.129	O	|	|	|	0.71
14.667	0.00	0.08	0.129	O	|	|	|	0.71
14.750	0.00	0.08	0.128	O	|	|	|	0.70
14.833	0.00	0.08	0.127	O	|	|	|	0.70
14.917	0.00	0.08	0.127	O	|	|	|	0.70
15.000	0.00	0.08	0.126	O	|	|	|	0.69
15.083	0.00	0.08	0.126	O	|	|	|	0.69
15.167	0.00	0.08	0.125	O	|	|	|	0.69
15.250	0.00	0.08	0.125	O	|	|	|	0.68
15.333	0.00	0.08	0.124	O	|	|	|	0.68
15.417	0.00	0.08	0.123	O	|	|	|	0.68
15.500	0.00	0.08	0.123	O	|	|	|	0.68
15.583	0.00	0.08	0.122	O	|	|	|	0.67
15.667	0.00	0.08	0.122	O	|	|	|	0.67
15.750	0.00	0.08	0.121	O	|	|	|	0.67

15.833	0.00	0.08	0.121	O	|	|	|	|	0.66
15.917	0.00	0.08	0.120	O	|	|	|	|	0.66
16.000	0.00	0.08	0.120	O	|	|	|	|	0.66
16.083	0.00	0.08	0.119	O	|	|	|	|	0.65
16.167	0.00	0.08	0.119	O	|	|	|	|	0.65
16.250	0.00	0.08	0.118	O	|	|	|	|	0.65
16.333	0.00	0.08	0.117	O	|	|	|	|	0.65
16.417	0.00	0.08	0.117	O	|	|	|	|	0.64
16.500	0.00	0.08	0.116	O	|	|	|	|	0.64
16.583	0.00	0.08	0.116	O	|	|	|	|	0.64
16.667	0.00	0.08	0.115	O	|	|	|	|	0.63
16.750	0.00	0.08	0.115	O	|	|	|	|	0.63
16.833	0.00	0.08	0.114	O	|	|	|	|	0.63
16.917	0.00	0.08	0.114	O	|	|	|	|	0.63
17.000	0.00	0.07	0.113	O	|	|	|	|	0.62
17.083	0.00	0.07	0.113	O	|	|	|	|	0.62
17.167	0.00	0.07	0.112	O	|	|	|	|	0.62
17.250	0.00	0.07	0.112	O	|	|	|	|	0.61
17.333	0.00	0.07	0.111	O	|	|	|	|	0.61
17.417	0.00	0.07	0.111	O	|	|	|	|	0.61
17.500	0.00	0.07	0.110	O	|	|	|	|	0.61
17.583	0.00	0.07	0.110	O	|	|	|	|	0.60
17.667	0.00	0.07	0.109	O	|	|	|	|	0.60
17.750	0.00	0.07	0.109	O	|	|	|	|	0.60
17.833	0.00	0.07	0.108	O	|	|	|	|	0.59
17.917	0.00	0.07	0.108	O	|	|	|	|	0.59
18.000	0.00	0.07	0.107	O	|	|	|	|	0.59
18.083	0.00	0.07	0.107	O	|	|	|	|	0.59
18.167	0.00	0.07	0.106	O	|	|	|	|	0.58
18.250	0.00	0.07	0.106	O	|	|	|	|	0.58
18.333	0.00	0.07	0.105	O	|	|	|	|	0.58
18.417	0.00	0.07	0.105	O	|	|	|	|	0.58
18.500	0.00	0.07	0.104	O	|	|	|	|	0.57
18.583	0.00	0.07	0.104	O	|	|	|	|	0.57
18.667	0.00	0.07	0.103	O	|	|	|	|	0.57
18.750	0.00	0.07	0.103	O	|	|	|	|	0.57
18.833	0.00	0.07	0.103	O	|	|	|	|	0.56
18.917	0.00	0.07	0.102	O	|	|	|	|	0.56
19.000	0.00	0.07	0.102	O	|	|	|	|	0.56
19.083	0.00	0.07	0.101	O	|	|	|	|	0.56
19.167	0.00	0.07	0.101	O	|	|	|	|	0.55
19.250	0.00	0.07	0.100	O	|	|	|	|	0.55
19.333	0.00	0.07	0.100	O	|	|	|	|	0.55
19.417	0.00	0.07	0.099	O	|	|	|	|	0.55
19.500	0.00	0.07	0.099	O	|	|	|	|	0.54
19.583	0.00	0.06	0.098	O	|	|	|	|	0.54
19.667	0.00	0.06	0.098	O	|	|	|	|	0.54
19.750	0.00	0.06	0.098	O	|	|	|	|	0.54
19.833	0.00	0.06	0.097	O	|	|	|	|	0.53
19.917	0.00	0.06	0.097	O	|	|	|	|	0.53
20.000	0.00	0.06	0.096	O	|	|	|	|	0.53
20.083	0.00	0.06	0.096	O	|	|	|	|	0.53

20.167	0.00	0.06	0.095	O	|	|	|	|	0.52
20.250	0.00	0.06	0.095	O	|	|	|	|	0.52
20.333	0.00	0.06	0.094	O	|	|	|	|	0.52
20.417	0.00	0.06	0.094	O	|	|	|	|	0.52
20.500	0.00	0.06	0.094	O	|	|	|	|	0.51
20.583	0.00	0.06	0.093	O	|	|	|	|	0.51
20.667	0.00	0.06	0.093	O	|	|	|	|	0.51
20.750	0.00	0.06	0.092	O	|	|	|	|	0.51
20.833	0.00	0.06	0.092	O	|	|	|	|	0.51
20.917	0.00	0.06	0.092	O	|	|	|	|	0.50
21.000	0.00	0.06	0.091	O	|	|	|	|	0.50
21.083	0.00	0.06	0.091	O	|	|	|	|	0.50
21.167	0.00	0.06	0.090	O	|	|	|	|	0.50
21.250	0.00	0.06	0.090	O	|	|	|	|	0.49
21.333	0.00	0.06	0.089	O	|	|	|	|	0.49
21.417	0.00	0.06	0.089	O	|	|	|	|	0.49
21.500	0.00	0.06	0.089	O	|	|	|	|	0.49
21.583	0.00	0.06	0.088	O	|	|	|	|	0.48
21.667	0.00	0.06	0.088	O	|	|	|	|	0.48
21.750	0.00	0.06	0.087	O	|	|	|	|	0.48
21.833	0.00	0.06	0.087	O	|	|	|	|	0.48
21.917	0.00	0.06	0.087	O	|	|	|	|	0.48
22.000	0.00	0.06	0.086	O	|	|	|	|	0.47
22.083	0.00	0.06	0.086	O	|	|	|	|	0.47
22.167	0.00	0.06	0.085	O	|	|	|	|	0.47
22.250	0.00	0.06	0.085	O	|	|	|	|	0.47
22.333	0.00	0.06	0.085	O	|	|	|	|	0.47
22.417	0.00	0.06	0.084	O	|	|	|	|	0.46
22.500	0.00	0.06	0.084	O	|	|	|	|	0.46
22.583	0.00	0.06	0.084	O	|	|	|	|	0.46
22.667	0.00	0.05	0.083	O	|	|	|	|	0.46
22.750	0.00	0.05	0.083	O	|	|	|	|	0.46
22.833	0.00	0.05	0.082	O	|	|	|	|	0.45
22.917	0.00	0.05	0.082	O	|	|	|	|	0.45
23.000	0.00	0.05	0.082	O	|	|	|	|	0.45
23.083	0.00	0.05	0.081	O	|	|	|	|	0.45
23.167	0.00	0.05	0.081	O	|	|	|	|	0.44
23.250	0.00	0.05	0.081	O	|	|	|	|	0.44
23.333	0.00	0.05	0.080	O	|	|	|	|	0.44
23.417	0.00	0.05	0.080	O	|	|	|	|	0.44
23.500	0.00	0.05	0.079	O	|	|	|	|	0.44
23.583	0.00	0.05	0.079	O	|	|	|	|	0.43
23.667	0.00	0.05	0.079	O	|	|	|	|	0.43
23.750	0.00	0.05	0.078	O	|	|	|	|	0.43
23.833	0.00	0.05	0.078	O	|	|	|	|	0.43
23.917	0.00	0.05	0.078	O	|	|	|	|	0.43
24.000	0.00	0.05	0.077	O	|	|	|	|	0.43
24.083	0.00	0.05	0.077	O	|	|	|	|	0.42
24.167	0.00	0.05	0.077	O	|	|	|	|	0.42
24.250	0.00	0.05	0.076	O	|	|	|	|	0.42
24.333	0.00	0.05	0.076	O	|	|	|	|	0.42
24.417	0.00	0.05	0.076	O	|	|	|	|	0.42

24.500	0.00	0.05	0.075	O	|	|	|	0.41
24.583	0.00	0.05	0.075	O	|	|	|	0.41
24.667	0.00	0.05	0.075	O	|	|	|	0.41
24.750	0.00	0.05	0.074	O	|	|	|	0.41
24.833	0.00	0.05	0.074	O	|	|	|	0.41
24.917	0.00	0.05	0.074	O	|	|	|	0.40
25.000	0.00	0.05	0.073	O	|	|	|	0.40
25.083	0.00	0.05	0.073	O	|	|	|	0.40
25.167	0.00	0.05	0.073	O	|	|	|	0.40
25.250	0.00	0.05	0.072	O	|	|	|	0.40
25.333	0.00	0.05	0.072	O	|	|	|	0.40
25.417	0.00	0.05	0.072	O	|	|	|	0.39
25.500	0.00	0.05	0.071	O	|	|	|	0.39
25.583	0.00	0.05	0.071	O	|	|	|	0.39
25.667	0.00	0.05	0.071	O	|	|	|	0.39
25.750	0.00	0.05	0.070	O	|	|	|	0.39
25.833	0.00	0.05	0.070	O	|	|	|	0.38
25.917	0.00	0.05	0.070	O	|	|	|	0.38
26.000	0.00	0.05	0.069	O	|	|	|	0.38
26.083	0.00	0.05	0.069	O	|	|	|	0.38
26.167	0.00	0.05	0.069	O	|	|	|	0.38
26.250	0.00	0.05	0.068	O	|	|	|	0.38
26.333	0.00	0.04	0.068	O	|	|	|	0.37
26.417	0.00	0.04	0.068	O	|	|	|	0.37
26.500	0.00	0.04	0.068	O	|	|	|	0.37
26.583	0.00	0.04	0.067	O	|	|	|	0.37
26.667	0.00	0.04	0.067	O	|	|	|	0.37
26.750	0.00	0.04	0.067	O	|	|	|	0.37
26.833	0.00	0.04	0.066	O	|	|	|	0.36
26.917	0.00	0.04	0.066	O	|	|	|	0.36
27.000	0.00	0.04	0.066	O	|	|	|	0.36
27.083	0.00	0.04	0.065	O	|	|	|	0.36
27.167	0.00	0.04	0.065	O	|	|	|	0.36
27.250	0.00	0.04	0.065	O	|	|	|	0.36
27.333	0.00	0.04	0.065	O	|	|	|	0.35
27.417	0.00	0.04	0.064	O	|	|	|	0.35
27.500	0.00	0.04	0.064	O	|	|	|	0.35
27.583	0.00	0.04	0.064	O	|	|	|	0.35
27.667	0.00	0.04	0.063	O	|	|	|	0.35
27.750	0.00	0.04	0.063	O	|	|	|	0.35
27.833	0.00	0.04	0.063	O	|	|	|	0.34
27.917	0.00	0.04	0.062	O	|	|	|	0.34
28.000	0.00	0.04	0.062	O	|	|	|	0.34
28.083	0.00	0.04	0.062	O	|	|	|	0.34
28.167	0.00	0.04	0.062	O	|	|	|	0.34
28.250	0.00	0.04	0.061	O	|	|	|	0.34
28.333	0.00	0.04	0.061	O	|	|	|	0.34
28.417	0.00	0.04	0.061	O	|	|	|	0.33
28.500	0.00	0.04	0.061	O	|	|	|	0.33
28.583	0.00	0.04	0.060	O	|	|	|	0.33
28.667	0.00	0.04	0.060	O	|	|	|	0.33
28.750	0.00	0.04	0.060	O	|	|	|	0.33

28.833	0.00	0.04	0.059	O	|	|	|	0.33
28.917	0.00	0.04	0.059	O	|	|	|	0.33
29.000	0.00	0.04	0.059	O	|	|	|	0.32
29.083	0.00	0.04	0.059	O	|	|	|	0.32
29.167	0.00	0.04	0.058	O	|	|	|	0.32
29.250	0.00	0.04	0.058	O	|	|	|	0.32
29.333	0.00	0.04	0.058	O	|	|	|	0.32
29.417	0.00	0.04	0.058	O	|	|	|	0.32
29.500	0.00	0.04	0.057	O	|	|	|	0.31
29.583	0.00	0.04	0.057	O	|	|	|	0.31
29.667	0.00	0.04	0.057	O	|	|	|	0.31
29.750	0.00	0.04	0.057	O	|	|	|	0.31
29.833	0.00	0.04	0.056	O	|	|	|	0.31
29.917	0.00	0.04	0.056	O	|	|	|	0.31
30.000	0.00	0.04	0.056	O	|	|	|	0.31
30.083	0.00	0.04	0.056	O	|	|	|	0.31
30.167	0.00	0.04	0.055	O	|	|	|	0.30
30.250	0.00	0.04	0.055	O	|	|	|	0.30
30.333	0.00	0.04	0.055	O	|	|	|	0.30
30.417	0.00	0.04	0.055	O	|	|	|	0.30
30.500	0.00	0.04	0.054	O	|	|	|	0.30
30.583	0.00	0.04	0.054	O	|	|	|	0.30
30.667	0.00	0.04	0.054	O	|	|	|	0.30
30.750	0.00	0.04	0.054	O	|	|	|	0.29
30.833	0.00	0.04	0.053	O	|	|	|	0.29
30.917	0.00	0.03	0.053	O	|	|	|	0.29
31.000	0.00	0.03	0.053	O	|	|	|	0.29
31.083	0.00	0.03	0.053	O	|	|	|	0.29
31.167	0.00	0.03	0.052	O	|	|	|	0.29
31.250	0.00	0.03	0.052	O	|	|	|	0.29
31.333	0.00	0.03	0.052	O	|	|	|	0.29
31.417	0.00	0.03	0.052	O	|	|	|	0.28
31.500	0.00	0.03	0.051	O	|	|	|	0.28
31.583	0.00	0.03	0.051	O	|	|	|	0.28
31.667	0.00	0.03	0.051	O	|	|	|	0.28
31.750	0.00	0.03	0.051	O	|	|	|	0.28
31.833	0.00	0.03	0.050	O	|	|	|	0.28
31.917	0.00	0.03	0.050	O	|	|	|	0.28
32.000	0.00	0.03	0.050	O	|	|	|	0.27
32.083	0.00	0.03	0.050	O	|	|	|	0.27
32.167	0.00	0.03	0.050	O	|	|	|	0.27
32.250	0.00	0.03	0.049	O	|	|	|	0.27
32.333	0.00	0.03	0.049	O	|	|	|	0.27
32.417	0.00	0.03	0.049	O	|	|	|	0.27
32.500	0.00	0.03	0.049	O	|	|	|	0.27
32.583	0.00	0.03	0.048	O	|	|	|	0.27
32.667	0.00	0.03	0.048	O	|	|	|	0.27
32.750	0.00	0.03	0.048	O	|	|	|	0.26
32.833	0.00	0.03	0.048	O	|	|	|	0.26
32.917	0.00	0.03	0.048	O	|	|	|	0.26
33.000	0.00	0.03	0.047	O	|	|	|	0.26
33.083	0.00	0.03	0.047	O	|	|	|	0.26

33.167	0.00	0.03	0.047	O	|	|	|	0.26
33.250	0.00	0.03	0.047	O	|	|	|	0.26
33.333	0.00	0.03	0.047	O	|	|	|	0.26
33.417	0.00	0.03	0.046	O	|	|	|	0.25
33.500	0.00	0.03	0.046	O	|	|	|	0.25
33.583	0.00	0.03	0.046	O	|	|	|	0.25
33.667	0.00	0.03	0.046	O	|	|	|	0.25
33.750	0.00	0.03	0.045	O	|	|	|	0.25
33.833	0.00	0.03	0.045	O	|	|	|	0.25
33.917	0.00	0.03	0.045	O	|	|	|	0.25
34.000	0.00	0.03	0.045	O	|	|	|	0.25
34.083	0.00	0.03	0.045	O	|	|	|	0.25
34.167	0.00	0.03	0.044	O	|	|	|	0.24
34.250	0.00	0.03	0.044	O	|	|	|	0.24
34.333	0.00	0.03	0.044	O	|	|	|	0.24
34.417	0.00	0.03	0.044	O	|	|	|	0.24
34.500	0.00	0.03	0.044	O	|	|	|	0.24
34.583	0.00	0.03	0.043	O	|	|	|	0.24
34.667	0.00	0.03	0.043	O	|	|	|	0.24
34.750	0.00	0.03	0.043	O	|	|	|	0.24
34.833	0.00	0.03	0.043	O	|	|	|	0.24
34.917	0.00	0.03	0.043	O	|	|	|	0.23
35.000	0.00	0.03	0.042	O	|	|	|	0.23
35.083	0.00	0.03	0.042	O	|	|	|	0.23
35.167	0.00	0.03	0.042	O	|	|	|	0.23
35.250	0.00	0.03	0.042	O	|	|	|	0.23
35.333	0.00	0.03	0.042	O	|	|	|	0.23
35.417	0.00	0.03	0.042	O	|	|	|	0.23
35.500	0.00	0.03	0.041	O	|	|	|	0.23
35.583	0.00	0.03	0.041	O	|	|	|	0.23
35.667	0.00	0.03	0.041	O	|	|	|	0.23
35.750	0.00	0.03	0.041	O	|	|	|	0.22
35.833	0.00	0.03	0.041	O	|	|	|	0.22
35.917	0.00	0.03	0.040	O	|	|	|	0.22
36.000	0.00	0.03	0.040	O	|	|	|	0.22
36.083	0.00	0.03	0.040	O	|	|	|	0.22
36.167	0.00	0.03	0.040	O	|	|	|	0.22
36.250	0.00	0.03	0.040	O	|	|	|	0.22
36.333	0.00	0.03	0.040	O	|	|	|	0.22
36.417	0.00	0.03	0.039	O	|	|	|	0.22
36.500	0.00	0.03	0.039	O	|	|	|	0.22
36.583	0.00	0.03	0.039	O	|	|	|	0.21
36.667	0.00	0.03	0.039	O	|	|	|	0.21
36.750	0.00	0.03	0.039	O	|	|	|	0.21
36.833	0.00	0.03	0.038	O	|	|	|	0.21
36.917	0.00	0.03	0.038	O	|	|	|	0.21
37.000	0.00	0.03	0.038	O	|	|	|	0.21
37.083	0.00	0.03	0.038	O	|	|	|	0.21
37.167	0.00	0.02	0.038	O	|	|	|	0.21
37.250	0.00	0.02	0.038	O	|	|	|	0.21
37.333	0.00	0.02	0.037	O	|	|	|	0.21
37.417	0.00	0.02	0.037	O	|	|	|	0.20

37.500	0.00	0.02	0.037	O	|	|	|	0.20
37.583	0.00	0.02	0.037	O	|	|	|	0.20
37.667	0.00	0.02	0.037	O	|	|	|	0.20
37.750	0.00	0.02	0.037	O	|	|	|	0.20
37.833	0.00	0.02	0.036	O	|	|	|	0.20
37.917	0.00	0.02	0.036	O	|	|	|	0.20
38.000	0.00	0.02	0.036	O	|	|	|	0.20
38.083	0.00	0.02	0.036	O	|	|	|	0.20
38.167	0.00	0.02	0.036	O	|	|	|	0.20
38.250	0.00	0.02	0.036	O	|	|	|	0.20
38.333	0.00	0.02	0.035	O	|	|	|	0.19
38.417	0.00	0.02	0.035	O	|	|	|	0.19
38.500	0.00	0.02	0.035	O	|	|	|	0.19
38.583	0.00	0.02	0.035	O	|	|	|	0.19
38.667	0.00	0.02	0.035	O	|	|	|	0.19
38.750	0.00	0.02	0.035	O	|	|	|	0.19
38.833	0.00	0.02	0.034	O	|	|	|	0.19
38.917	0.00	0.02	0.034	O	|	|	|	0.19
39.000	0.00	0.02	0.034	O	|	|	|	0.19
39.083	0.00	0.02	0.034	O	|	|	|	0.19
39.167	0.00	0.02	0.034	O	|	|	|	0.19
39.250	0.00	0.02	0.034	O	|	|	|	0.19
39.333	0.00	0.02	0.034	O	|	|	|	0.18
39.417	0.00	0.02	0.033	O	|	|	|	0.18
39.500	0.00	0.02	0.033	O	|	|	|	0.18
39.583	0.00	0.02	0.033	O	|	|	|	0.18
39.667	0.00	0.02	0.033	O	|	|	|	0.18
39.750	0.00	0.02	0.033	O	|	|	|	0.18
39.833	0.00	0.02	0.033	O	|	|	|	0.18
39.917	0.00	0.02	0.032	O	|	|	|	0.18
40.000	0.00	0.02	0.032	O	|	|	|	0.18
40.083	0.00	0.02	0.032	O	|	|	|	0.18
40.167	0.00	0.02	0.032	O	|	|	|	0.18
40.250	0.00	0.02	0.032	O	|	|	|	0.18
40.333	0.00	0.02	0.032	O	|	|	|	0.17
40.417	0.00	0.02	0.032	O	|	|	|	0.17
40.500	0.00	0.02	0.031	O	|	|	|	0.17
40.583	0.00	0.02	0.031	O	|	|	|	0.17
40.667	0.00	0.02	0.031	O	|	|	|	0.17
40.750	0.00	0.02	0.031	O	|	|	|	0.17
40.833	0.00	0.02	0.031	O	|	|	|	0.17
40.917	0.00	0.02	0.031	O	|	|	|	0.17
41.000	0.00	0.02	0.031	O	|	|	|	0.17
41.083	0.00	0.02	0.030	O	|	|	|	0.17
41.167	0.00	0.02	0.030	O	|	|	|	0.17
41.250	0.00	0.02	0.030	O	|	|	|	0.17
41.333	0.00	0.02	0.030	O	|	|	|	0.17
41.417	0.00	0.02	0.030	O	|	|	|	0.16
41.500	0.00	0.02	0.030	O	|	|	|	0.16
41.583	0.00	0.02	0.030	O	|	|	|	0.16
41.667	0.00	0.02	0.030	O	|	|	|	0.16
41.750	0.00	0.02	0.029	O	|	|	|	0.16

41.833	0.00	0.02	0.029	O	|	|	|	0.16
41.917	0.00	0.02	0.029	O	|	|	|	0.16
42.000	0.00	0.02	0.029	O	|	|	|	0.16
42.083	0.00	0.02	0.029	O	|	|	|	0.16
42.167	0.00	0.02	0.029	O	|	|	|	0.16
42.250	0.00	0.02	0.029	O	|	|	|	0.16
42.333	0.00	0.02	0.028	O	|	|	|	0.16
42.417	0.00	0.02	0.028	O	|	|	|	0.16
42.500	0.00	0.02	0.028	O	|	|	|	0.16
42.583	0.00	0.02	0.028	O	|	|	|	0.15
42.667	0.00	0.02	0.028	O	|	|	|	0.15
42.750	0.00	0.02	0.028	O	|	|	|	0.15
42.833	0.00	0.02	0.028	O	|	|	|	0.15
42.917	0.00	0.02	0.028	O	|	|	|	0.15
43.000	0.00	0.02	0.027	O	|	|	|	0.15
43.083	0.00	0.02	0.027	O	|	|	|	0.15
43.167	0.00	0.02	0.027	O	|	|	|	0.15
43.250	0.00	0.02	0.027	O	|	|	|	0.15
43.333	0.00	0.02	0.027	O	|	|	|	0.15
43.417	0.00	0.02	0.027	O	|	|	|	0.15
43.500	0.00	0.02	0.027	O	|	|	|	0.15
43.583	0.00	0.02	0.027	O	|	|	|	0.15
43.667	0.00	0.02	0.026	O	|	|	|	0.15
43.750	0.00	0.02	0.026	O	|	|	|	0.14
43.833	0.00	0.02	0.026	O	|	|	|	0.14
43.917	0.00	0.02	0.026	O	|	|	|	0.14
44.000	0.00	0.02	0.026	O	|	|	|	0.14
44.083	0.00	0.02	0.026	O	|	|	|	0.14
44.167	0.00	0.02	0.026	O	|	|	|	0.14
44.250	0.00	0.02	0.026	O	|	|	|	0.14
44.333	0.00	0.02	0.026	O	|	|	|	0.14
44.417	0.00	0.02	0.025	O	|	|	|	0.14
44.500	0.00	0.02	0.025	O	|	|	|	0.14
44.583	0.00	0.02	0.025	O	|	|	|	0.14
44.667	0.00	0.02	0.025	O	|	|	|	0.14
44.750	0.00	0.02	0.025	O	|	|	|	0.14
44.833	0.00	0.02	0.025	O	|	|	|	0.14
44.917	0.00	0.02	0.025	O	|	|	|	0.14
45.000	0.00	0.02	0.025	O	|	|	|	0.14
45.083	0.00	0.02	0.025	O	|	|	|	0.13
45.167	0.00	0.02	0.024	O	|	|	|	0.13
45.250	0.00	0.02	0.024	O	|	|	|	0.13
45.333	0.00	0.02	0.024	O	|	|	|	0.13
45.417	0.00	0.02	0.024	O	|	|	|	0.13
45.500	0.00	0.02	0.024	O	|	|	|	0.13
45.583	0.00	0.02	0.024	O	|	|	|	0.13
45.667	0.00	0.02	0.024	O	|	|	|	0.13
45.750	0.00	0.02	0.024	O	|	|	|	0.13
45.833	0.00	0.02	0.024	O	|	|	|	0.13
45.917	0.00	0.02	0.023	O	|	|	|	0.13
46.000	0.00	0.02	0.023	O	|	|	|	0.13
46.083	0.00	0.02	0.023	O	|	|	|	0.13

46.167	0.00	0.02	0.023	O	|	|	|	0.13
46.250	0.00	0.02	0.023	O	|	|	|	0.13
46.333	0.00	0.02	0.023	O	|	|	|	0.13
46.417	0.00	0.02	0.023	O	|	|	|	0.13
46.500	0.00	0.01	0.023	O	|	|	|	0.12
46.583	0.00	0.01	0.023	O	|	|	|	0.12
46.667	0.00	0.01	0.022	O	|	|	|	0.12
46.750	0.00	0.01	0.022	O	|	|	|	0.12
46.833	0.00	0.01	0.022	O	|	|	|	0.12
46.917	0.00	0.01	0.022	O	|	|	|	0.12
47.000	0.00	0.01	0.022	O	|	|	|	0.12
47.083	0.00	0.01	0.022	O	|	|	|	0.12
47.167	0.00	0.01	0.022	O	|	|	|	0.12
47.250	0.00	0.01	0.022	O	|	|	|	0.12
47.333	0.00	0.01	0.022	O	|	|	|	0.12
47.417	0.00	0.01	0.022	O	|	|	|	0.12
47.500	0.00	0.01	0.021	O	|	|	|	0.12
47.583	0.00	0.01	0.021	O	|	|	|	0.12
47.667	0.00	0.01	0.021	O	|	|	|	0.12
47.750	0.00	0.01	0.021	O	|	|	|	0.12
47.833	0.00	0.01	0.021	O	|	|	|	0.12
47.917	0.00	0.01	0.021	O	|	|	|	0.12
48.000	0.00	0.01	0.021	O	|	|	|	0.11
48.083	0.00	0.01	0.021	O	|	|	|	0.11
48.167	0.00	0.01	0.021	O	|	|	|	0.11
48.250	0.00	0.01	0.021	O	|	|	|	0.11
48.333	0.00	0.01	0.021	O	|	|	|	0.11
48.417	0.00	0.01	0.020	O	|	|	|	0.11
48.500	0.00	0.01	0.020	O	|	|	|	0.11
48.583	0.00	0.01	0.020	O	|	|	|	0.11
48.667	0.00	0.01	0.020	O	|	|	|	0.11
48.750	0.00	0.01	0.020	O	|	|	|	0.11
48.833	0.00	0.01	0.020	O	|	|	|	0.11
48.917	0.00	0.01	0.020	O	|	|	|	0.11
49.000	0.00	0.01	0.020	O	|	|	|	0.11
49.083	0.00	0.01	0.020	O	|	|	|	0.11
49.167	0.00	0.01	0.020	O	|	|	|	0.11
49.250	0.00	0.01	0.020	O	|	|	|	0.11
49.333	0.00	0.01	0.019	O	|	|	|	0.11
49.417	0.00	0.01	0.019	O	|	|	|	0.11
49.500	0.00	0.01	0.019	O	|	|	|	0.11
49.583	0.00	0.01	0.019	O	|	|	|	0.11
49.667	0.00	0.01	0.019	O	|	|	|	0.10
49.750	0.00	0.01	0.019	O	|	|	|	0.10
49.833	0.00	0.01	0.019	O	|	|	|	0.10
49.917	0.00	0.01	0.019	O	|	|	|	0.10
50.000	0.00	0.01	0.019	O	|	|	|	0.10
50.083	0.00	0.01	0.019	O	|	|	|	0.10
50.167	0.00	0.01	0.019	O	|	|	|	0.10
50.250	0.00	0.01	0.019	O	|	|	|	0.10
50.333	0.00	0.01	0.018	O	|	|	|	0.10
50.417	0.00	0.01	0.018	O	|	|	|	0.10

50.500	0.00	0.01	0.018	O	|	|	|	0.10
50.583	0.00	0.01	0.018	O	|	|	|	0.10
50.667	0.00	0.01	0.018	O	|	|	|	0.10
50.750	0.00	0.01	0.018	O	|	|	|	0.10
50.833	0.00	0.01	0.018	O	|	|	|	0.10
50.917	0.00	0.01	0.018	O	|	|	|	0.10
51.000	0.00	0.01	0.018	O	|	|	|	0.10
51.083	0.00	0.01	0.018	O	|	|	|	0.10
51.167	0.00	0.01	0.018	O	|	|	|	0.10
51.250	0.00	0.01	0.018	O	|	|	|	0.10
51.333	0.00	0.01	0.017	O	|	|	|	0.10
51.417	0.00	0.01	0.017	O	|	|	|	0.10
51.500	0.00	0.01	0.017	O	|	|	|	0.09
51.583	0.00	0.01	0.017	O	|	|	|	0.09
51.667	0.00	0.01	0.017	O	|	|	|	0.09
51.750	0.00	0.01	0.017	O	|	|	|	0.09
51.833	0.00	0.01	0.017	O	|	|	|	0.09
51.917	0.00	0.01	0.017	O	|	|	|	0.09
52.000	0.00	0.01	0.017	O	|	|	|	0.09
52.083	0.00	0.01	0.017	O	|	|	|	0.09
52.167	0.00	0.01	0.017	O	|	|	|	0.09
52.250	0.00	0.01	0.017	O	|	|	|	0.09
52.333	0.00	0.01	0.017	O	|	|	|	0.09
52.417	0.00	0.01	0.016	O	|	|	|	0.09
52.500	0.00	0.01	0.016	O	|	|	|	0.09
52.583	0.00	0.01	0.016	O	|	|	|	0.09
52.667	0.00	0.01	0.016	O	|	|	|	0.09
52.750	0.00	0.01	0.016	O	|	|	|	0.09
52.833	0.00	0.01	0.016	O	|	|	|	0.09
52.917	0.00	0.01	0.016	O	|	|	|	0.09
53.000	0.00	0.01	0.016	O	|	|	|	0.09
53.083	0.00	0.01	0.016	O	|	|	|	0.09
53.167	0.00	0.01	0.016	O	|	|	|	0.09
53.250	0.00	0.01	0.016	O	|	|	|	0.09
53.333	0.00	0.01	0.016	O	|	|	|	0.09
53.417	0.00	0.01	0.016	O	|	|	|	0.09
53.500	0.00	0.01	0.016	O	|	|	|	0.09
53.583	0.00	0.01	0.015	O	|	|	|	0.08
53.667	0.00	0.01	0.015	O	|	|	|	0.08
53.750	0.00	0.01	0.015	O	|	|	|	0.08
53.833	0.00	0.01	0.015	O	|	|	|	0.08
53.917	0.00	0.01	0.015	O	|	|	|	0.08
54.000	0.00	0.01	0.015	O	|	|	|	0.08
54.083	0.00	0.01	0.015	O	|	|	|	0.08
54.167	0.00	0.01	0.015	O	|	|	|	0.08
54.250	0.00	0.01	0.015	O	|	|	|	0.08
54.333	0.00	0.01	0.015	O	|	|	|	0.08
54.417	0.00	0.01	0.015	O	|	|	|	0.08
54.500	0.00	0.01	0.015	O	|	|	|	0.08
54.583	0.00	0.01	0.015	O	|	|	|	0.08
54.667	0.00	0.01	0.015	O	|	|	|	0.08
54.750	0.00	0.01	0.014	O	|	|	|	0.08

54.833	0.00	0.01	0.014	O	|	|	|	| 0.08
54.917	0.00	0.01	0.014	O	|	|	|	| 0.08
55.000	0.00	0.01	0.014	O	|	|	|	| 0.08
55.083	0.00	0.01	0.014	O	|	|	|	| 0.08
55.167	0.00	0.01	0.014	O	|	|	|	| 0.08
55.250	0.00	0.01	0.014	O	|	|	|	| 0.08
55.333	0.00	0.01	0.014	O	|	|	|	| 0.08
55.417	0.00	0.01	0.014	O	|	|	|	| 0.08
55.500	0.00	0.01	0.014	O	|	|	|	| 0.08
55.583	0.00	0.01	0.014	O	|	|	|	| 0.08
55.667	0.00	0.01	0.014	O	|	|	|	| 0.08
55.750	0.00	0.01	0.014	O	|	|	|	| 0.08
55.833	0.00	0.01	0.014	O	|	|	|	| 0.08
55.917	0.00	0.01	0.014	O	|	|	|	| 0.07
56.000	0.00	0.01	0.014	O	|	|	|	| 0.07
56.083	0.00	0.01	0.013	O	|	|	|	| 0.07
56.167	0.00	0.01	0.013	O	|	|	|	| 0.07
56.250	0.00	0.01	0.013	O	|	|	|	| 0.07
56.333	0.00	0.01	0.013	O	|	|	|	| 0.07
56.417	0.00	0.01	0.013	O	|	|	|	| 0.07
56.500	0.00	0.01	0.013	O	|	|	|	| 0.07
56.583	0.00	0.01	0.013	O	|	|	|	| 0.07
56.667	0.00	0.01	0.013	O	|	|	|	| 0.07
56.750	0.00	0.01	0.013	O	|	|	|	| 0.07
56.833	0.00	0.01	0.013	O	|	|	|	| 0.07
56.917	0.00	0.01	0.013	O	|	|	|	| 0.07
57.000	0.00	0.01	0.013	O	|	|	|	| 0.07
57.083	0.00	0.01	0.013	O	|	|	|	| 0.07
57.167	0.00	0.01	0.013	O	|	|	|	| 0.07
57.250	0.00	0.01	0.013	O	|	|	|	| 0.07
57.333	0.00	0.01	0.013	O	|	|	|	| 0.07
57.417	0.00	0.01	0.013	O	|	|	|	| 0.07
57.500	0.00	0.01	0.012	O	|	|	|	| 0.07
57.583	0.00	0.01	0.012	O	|	|	|	| 0.07
57.667	0.00	0.01	0.012	O	|	|	|	| 0.07
57.750	0.00	0.01	0.012	O	|	|	|	| 0.07
57.833	0.00	0.01	0.012	O	|	|	|	| 0.07
57.917	0.00	0.01	0.012	O	|	|	|	| 0.07
58.000	0.00	0.01	0.012	O	|	|	|	| 0.07
58.083	0.00	0.01	0.012	O	|	|	|	| 0.07
58.167	0.00	0.01	0.012	O	|	|	|	| 0.07
58.250	0.00	0.01	0.012	O	|	|	|	| 0.07
58.333	0.00	0.01	0.012	O	|	|	|	| 0.07
58.417	0.00	0.01	0.012	O	|	|	|	| 0.07
58.500	0.00	0.01	0.012	O	|	|	|	| 0.06
58.583	0.00	0.01	0.012	O	|	|	|	| 0.06
58.667	0.00	0.01	0.012	O	|	|	|	| 0.06
58.750	0.00	0.01	0.012	O	|	|	|	| 0.06
58.833	0.00	0.01	0.012	O	|	|	|	| 0.06
58.917	0.00	0.01	0.012	O	|	|	|	| 0.06
59.000	0.00	0.01	0.011	O	|	|	|	| 0.06
59.083	0.00	0.01	0.011	O	|	|	|	| 0.06

59.167	0.00	0.01	0.011	O	|	|	|	0.06
59.250	0.00	0.01	0.011	O	|	|	|	0.06
59.333	0.00	0.01	0.011	O	|	|	|	0.06
59.417	0.00	0.01	0.011	O	|	|	|	0.06
59.500	0.00	0.01	0.011	O	|	|	|	0.06
59.583	0.00	0.01	0.011	O	|	|	|	0.06
59.667	0.00	0.01	0.011	O	|	|	|	0.06
59.750	0.00	0.01	0.011	O	|	|	|	0.06
59.833	0.00	0.01	0.011	O	|	|	|	0.06
59.917	0.00	0.01	0.011	O	|	|	|	0.06
60.000	0.00	0.01	0.011	O	|	|	|	0.06
60.083	0.00	0.01	0.011	O	|	|	|	0.06
60.167	0.00	0.01	0.011	O	|	|	|	0.06
60.250	0.00	0.01	0.011	O	|	|	|	0.06
60.333	0.00	0.01	0.011	O	|	|	|	0.06
60.417	0.00	0.01	0.011	O	|	|	|	0.06
60.500	0.00	0.01	0.011	O	|	|	|	0.06
60.583	0.00	0.01	0.011	O	|	|	|	0.06
60.667	0.00	0.01	0.010	O	|	|	|	0.06
60.750	0.00	0.01	0.010	O	|	|	|	0.06
60.833	0.00	0.01	0.010	O	|	|	|	0.06
60.917	0.00	0.01	0.010	O	|	|	|	0.06
61.000	0.00	0.01	0.010	O	|	|	|	0.06
61.083	0.00	0.01	0.010	O	|	|	|	0.06
61.167	0.00	0.01	0.010	O	|	|	|	0.06
61.250	0.00	0.01	0.010	O	|	|	|	0.06
61.333	0.00	0.01	0.010	O	|	|	|	0.06
61.417	0.00	0.01	0.010	O	|	|	|	0.06
61.500	0.00	0.01	0.010	O	|	|	|	0.06
61.583	0.00	0.01	0.010	O	|	|	|	0.05
61.667	0.00	0.01	0.010	O	|	|	|	0.05
61.750	0.00	0.01	0.010	O	|	|	|	0.05
61.833	0.00	0.01	0.010	O	|	|	|	0.05
61.917	0.00	0.01	0.010	O	|	|	|	0.05
62.000	0.00	0.01	0.010	O	|	|	|	0.05
62.083	0.00	0.01	0.010	O	|	|	|	0.05
62.167	0.00	0.01	0.010	O	|	|	|	0.05
62.250	0.00	0.01	0.010	O	|	|	|	0.05
62.333	0.00	0.01	0.010	O	|	|	|	0.05
62.417	0.00	0.01	0.010	O	|	|	|	0.05
62.500	0.00	0.01	0.009	O	|	|	|	0.05
62.583	0.00	0.01	0.009	O	|	|	|	0.05
62.667	0.00	0.01	0.009	O	|	|	|	0.05
62.750	0.00	0.01	0.009	O	|	|	|	0.05
62.833	0.00	0.01	0.009	O	|	|	|	0.05
62.917	0.00	0.01	0.009	O	|	|	|	0.05
63.000	0.00	0.01	0.009	O	|	|	|	0.05
63.083	0.00	0.01	0.009	O	|	|	|	0.05
63.167	0.00	0.01	0.009	O	|	|	|	0.05
63.250	0.00	0.01	0.009	O	|	|	|	0.05
63.333	0.00	0.01	0.009	O	|	|	|	0.05
63.417	0.00	0.01	0.009	O	|	|	|	0.05

63.500	0.00	0.01	0.009	O	|	|	|	0.05
63.583	0.00	0.01	0.009	O	|	|	|	0.05
63.667	0.00	0.01	0.009	O	|	|	|	0.05
63.750	0.00	0.01	0.009	O	|	|	|	0.05
63.833	0.00	0.01	0.009	O	|	|	|	0.05
63.917	0.00	0.01	0.009	O	|	|	|	0.05
64.000	0.00	0.01	0.009	O	|	|	|	0.05
64.083	0.00	0.01	0.009	O	|	|	|	0.05
64.167	0.00	0.01	0.009	O	|	|	|	0.05
64.250	0.00	0.01	0.009	O	|	|	|	0.05
64.333	0.00	0.01	0.009	O	|	|	|	0.05
64.417	0.00	0.01	0.009	O	|	|	|	0.05
64.500	0.00	0.01	0.009	O	|	|	|	0.05
64.583	0.00	0.01	0.008	O	|	|	|	0.05
64.667	0.00	0.01	0.008	O	|	|	|	0.05
64.750	0.00	0.01	0.008	O	|	|	|	0.05
64.833	0.00	0.01	0.008	O	|	|	|	0.05
64.917	0.00	0.01	0.008	O	|	|	|	0.05
65.000	0.00	0.01	0.008	O	|	|	|	0.05
65.083	0.00	0.01	0.008	O	|	|	|	0.05
65.167	0.00	0.01	0.008	O	|	|	|	0.05
65.250	0.00	0.01	0.008	O	|	|	|	0.04
65.333	0.00	0.01	0.008	O	|	|	|	0.04
65.417	0.00	0.01	0.008	O	|	|	|	0.04
65.500	0.00	0.01	0.008	O	|	|	|	0.04
65.583	0.00	0.01	0.008	O	|	|	|	0.04
65.667	0.00	0.01	0.008	O	|	|	|	0.04
65.750	0.00	0.01	0.008	O	|	|	|	0.04
65.833	0.00	0.01	0.008	O	|	|	|	0.04
65.917	0.00	0.01	0.008	O	|	|	|	0.04
66.000	0.00	0.01	0.008	O	|	|	|	0.04
66.083	0.00	0.01	0.008	O	|	|	|	0.04
66.167	0.00	0.01	0.008	O	|	|	|	0.04
66.250	0.00	0.01	0.008	O	|	|	|	0.04
66.333	0.00	0.01	0.008	O	|	|	|	0.04
66.417	0.00	0.01	0.008	O	|	|	|	0.04
66.500	0.00	0.01	0.008	O	|	|	|	0.04
66.583	0.00	0.01	0.008	O	|	|	|	0.04
66.667	0.00	0.00	0.008	O	|	|	|	0.04
66.750	0.00	0.00	0.008	O	|	|	|	0.04
66.833	0.00	0.00	0.007	O	|	|	|	0.04
66.917	0.00	0.00	0.007	O	|	|	|	0.04
67.000	0.00	0.00	0.007	O	|	|	|	0.04
67.083	0.00	0.00	0.007	O	|	|	|	0.04
67.167	0.00	0.00	0.007	O	|	|	|	0.04
67.250	0.00	0.00	0.007	O	|	|	|	0.04
67.333	0.00	0.00	0.007	O	|	|	|	0.04
67.417	0.00	0.00	0.007	O	|	|	|	0.04
67.500	0.00	0.00	0.007	O	|	|	|	0.04
67.583	0.00	0.00	0.007	O	|	|	|	0.04
67.667	0.00	0.00	0.007	O	|	|	|	0.04
67.750	0.00	0.00	0.007	O	|	|	|	0.04

67.833	0.00	0.00	0.007	O	|	|	|	0.04
67.917	0.00	0.00	0.007	O	|	|	|	0.04
68.000	0.00	0.00	0.007	O	|	|	|	0.04
68.083	0.00	0.00	0.007	O	|	|	|	0.04
68.167	0.00	0.00	0.007	O	|	|	|	0.04
68.250	0.00	0.00	0.007	O	|	|	|	0.04
68.333	0.00	0.00	0.007	O	|	|	|	0.04
68.417	0.00	0.00	0.007	O	|	|	|	0.04
68.500	0.00	0.00	0.007	O	|	|	|	0.04
68.583	0.00	0.00	0.007	O	|	|	|	0.04
68.667	0.00	0.00	0.007	O	|	|	|	0.04
68.750	0.00	0.00	0.007	O	|	|	|	0.04
68.833	0.00	0.00	0.007	O	|	|	|	0.04
68.917	0.00	0.00	0.007	O	|	|	|	0.04
69.000	0.00	0.00	0.007	O	|	|	|	0.04
69.083	0.00	0.00	0.007	O	|	|	|	0.04
69.167	0.00	0.00	0.007	O	|	|	|	0.04
69.250	0.00	0.00	0.007	O	|	|	|	0.04
69.333	0.00	0.00	0.007	O	|	|	|	0.04
69.417	0.00	0.00	0.007	O	|	|	|	0.04
69.500	0.00	0.00	0.006	O	|	|	|	0.04
69.583	0.00	0.00	0.006	O	|	|	|	0.04
69.667	0.00	0.00	0.006	O	|	|	|	0.04
69.750	0.00	0.00	0.006	O	|	|	|	0.04
69.833	0.00	0.00	0.006	O	|	|	|	0.03
69.917	0.00	0.00	0.006	O	|	|	|	0.03
70.000	0.00	0.00	0.006	O	|	|	|	0.03
70.083	0.00	0.00	0.006	O	|	|	|	0.03
70.167	0.00	0.00	0.006	O	|	|	|	0.03
70.250	0.00	0.00	0.006	O	|	|	|	0.03
70.333	0.00	0.00	0.006	O	|	|	|	0.03
70.417	0.00	0.00	0.006	O	|	|	|	0.03
70.500	0.00	0.00	0.006	O	|	|	|	0.03
70.583	0.00	0.00	0.006	O	|	|	|	0.03
70.667	0.00	0.00	0.006	O	|	|	|	0.03
70.750	0.00	0.00	0.006	O	|	|	|	0.03
70.833	0.00	0.00	0.006	O	|	|	|	0.03
70.917	0.00	0.00	0.006	O	|	|	|	0.03
71.000	0.00	0.00	0.006	O	|	|	|	0.03
71.083	0.00	0.00	0.006	O	|	|	|	0.03
71.167	0.00	0.00	0.006	O	|	|	|	0.03
71.250	0.00	0.00	0.006	O	|	|	|	0.03
71.333	0.00	0.00	0.006	O	|	|	|	0.03
71.417	0.00	0.00	0.006	O	|	|	|	0.03
71.500	0.00	0.00	0.006	O	|	|	|	0.03
71.583	0.00	0.00	0.006	O	|	|	|	0.03
71.667	0.00	0.00	0.006	O	|	|	|	0.03
71.750	0.00	0.00	0.006	O	|	|	|	0.03
71.833	0.00	0.00	0.006	O	|	|	|	0.03
71.917	0.00	0.00	0.006	O	|	|	|	0.03
72.000	0.00	0.00	0.006	O	|	|	|	0.03
72.083	0.00	0.00	0.006	O	|	|	|	0.03

72.167	0.00	0.00	0.006	O	|	|	|	0.03
72.250	0.00	0.00	0.006	O	|	|	|	0.03
72.333	0.00	0.00	0.006	O	|	|	|	0.03
72.417	0.00	0.00	0.006	O	|	|	|	0.03
72.500	0.00	0.00	0.006	O	|	|	|	0.03
72.583	0.00	0.00	0.005	O	|	|	|	0.03
72.667	0.00	0.00	0.005	O	|	|	|	0.03
72.750	0.00	0.00	0.005	O	|	|	|	0.03
72.833	0.00	0.00	0.005	O	|	|	|	0.03
72.917	0.00	0.00	0.005	O	|	|	|	0.03
73.000	0.00	0.00	0.005	O	|	|	|	0.03
73.083	0.00	0.00	0.005	O	|	|	|	0.03
73.167	0.00	0.00	0.005	O	|	|	|	0.03
73.250	0.00	0.00	0.005	O	|	|	|	0.03
73.333	0.00	0.00	0.005	O	|	|	|	0.03
73.417	0.00	0.00	0.005	O	|	|	|	0.03
73.500	0.00	0.00	0.005	O	|	|	|	0.03
73.583	0.00	0.00	0.005	O	|	|	|	0.03
73.667	0.00	0.00	0.005	O	|	|	|	0.03
73.750	0.00	0.00	0.005	O	|	|	|	0.03
73.833	0.00	0.00	0.005	O	|	|	|	0.03
73.917	0.00	0.00	0.005	O	|	|	|	0.03
74.000	0.00	0.00	0.005	O	|	|	|	0.03
74.083	0.00	0.00	0.005	O	|	|	|	0.03
74.167	0.00	0.00	0.005	O	|	|	|	0.03
74.250	0.00	0.00	0.005	O	|	|	|	0.03
74.333	0.00	0.00	0.005	O	|	|	|	0.03
74.417	0.00	0.00	0.005	O	|	|	|	0.03
74.500	0.00	0.00	0.005	O	|	|	|	0.03
74.583	0.00	0.00	0.005	O	|	|	|	0.03
74.667	0.00	0.00	0.005	O	|	|	|	0.03
74.750	0.00	0.00	0.005	O	|	|	|	0.03
74.833	0.00	0.00	0.005	O	|	|	|	0.03
74.917	0.00	0.00	0.005	O	|	|	|	0.03
75.000	0.00	0.00	0.005	O	|	|	|	0.03
75.083	0.00	0.00	0.005	O	|	|	|	0.03
75.167	0.00	0.00	0.005	O	|	|	|	0.03
75.250	0.00	0.00	0.005	O	|	|	|	0.03
75.333	0.00	0.00	0.005	O	|	|	|	0.03
75.417	0.00	0.00	0.005	O	|	|	|	0.03
75.500	0.00	0.00	0.005	O	|	|	|	0.03
75.583	0.00	0.00	0.005	O	|	|	|	0.03
75.667	0.00	0.00	0.005	O	|	|	|	0.03
75.750	0.00	0.00	0.005	O	|	|	|	0.03
75.833	0.00	0.00	0.005	O	|	|	|	0.03
75.917	0.00	0.00	0.005	O	|	|	|	0.03
76.000	0.00	0.00	0.005	O	|	|	|	0.02
76.083	0.00	0.00	0.005	O	|	|	|	0.02
76.167	0.00	0.00	0.005	O	|	|	|	0.02
76.250	0.00	0.00	0.004	O	|	|	|	0.02
76.333	0.00	0.00	0.004	O	|	|	|	0.02
76.417	0.00	0.00	0.004	O	|	|	|	0.02

76.500	0.00	0.00	0.004	O	|	|	|	0.02
76.583	0.00	0.00	0.004	O	|	|	|	0.02
76.667	0.00	0.00	0.004	O	|	|	|	0.02
76.750	0.00	0.00	0.004	O	|	|	|	0.02
76.833	0.00	0.00	0.004	O	|	|	|	0.02
76.917	0.00	0.00	0.004	O	|	|	|	0.02
77.000	0.00	0.00	0.004	O	|	|	|	0.02
77.083	0.00	0.00	0.004	O	|	|	|	0.02
77.167	0.00	0.00	0.004	O	|	|	|	0.02
77.250	0.00	0.00	0.004	O	|	|	|	0.02
77.333	0.00	0.00	0.004	O	|	|	|	0.02
77.417	0.00	0.00	0.004	O	|	|	|	0.02
77.500	0.00	0.00	0.004	O	|	|	|	0.02
77.583	0.00	0.00	0.004	O	|	|	|	0.02
77.667	0.00	0.00	0.004	O	|	|	|	0.02
77.750	0.00	0.00	0.004	O	|	|	|	0.02
77.833	0.00	0.00	0.004	O	|	|	|	0.02
77.917	0.00	0.00	0.004	O	|	|	|	0.02
78.000	0.00	0.00	0.004	O	|	|	|	0.02
78.083	0.00	0.00	0.004	O	|	|	|	0.02
78.167	0.00	0.00	0.004	O	|	|	|	0.02
78.250	0.00	0.00	0.004	O	|	|	|	0.02
78.333	0.00	0.00	0.004	O	|	|	|	0.02
78.417	0.00	0.00	0.004	O	|	|	|	0.02
78.500	0.00	0.00	0.004	O	|	|	|	0.02
78.583	0.00	0.00	0.004	O	|	|	|	0.02
78.667	0.00	0.00	0.004	O	|	|	|	0.02
78.750	0.00	0.00	0.004	O	|	|	|	0.02
78.833	0.00	0.00	0.004	O	|	|	|	0.02
78.917	0.00	0.00	0.004	O	|	|	|	0.02
79.000	0.00	0.00	0.004	O	|	|	|	0.02
79.083	0.00	0.00	0.004	O	|	|	|	0.02
79.167	0.00	0.00	0.004	O	|	|	|	0.02
79.250	0.00	0.00	0.004	O	|	|	|	0.02
79.333	0.00	0.00	0.004	O	|	|	|	0.02
79.417	0.00	0.00	0.004	O	|	|	|	0.02
79.500	0.00	0.00	0.004	O	|	|	|	0.02
79.583	0.00	0.00	0.004	O	|	|	|	0.02
79.667	0.00	0.00	0.004	O	|	|	|	0.02
79.750	0.00	0.00	0.004	O	|	|	|	0.02
79.833	0.00	0.00	0.004	O	|	|	|	0.02
79.917	0.00	0.00	0.004	O	|	|	|	0.02
80.000	0.00	0.00	0.004	O	|	|	|	0.02
80.083	0.00	0.00	0.004	O	|	|	|	0.02
80.167	0.00	0.00	0.004	O	|	|	|	0.02
80.250	0.00	0.00	0.004	O	|	|	|	0.02
80.333	0.00	0.00	0.004	O	|	|	|	0.02
80.417	0.00	0.00	0.004	O	|	|	|	0.02
80.500	0.00	0.00	0.004	O	|	|	|	0.02
80.583	0.00	0.00	0.004	O	|	|	|	0.02
80.667	0.00	0.00	0.004	O	|	|	|	0.02
80.750	0.00	0.00	0.004	O	|	|	|	0.02

80.833	0.00	0.00	0.003	O	|	|	|	0.02
80.917	0.00	0.00	0.003	O	|	|	|	0.02
81.000	0.00	0.00	0.003	O	|	|	|	0.02
81.083	0.00	0.00	0.003	O	|	|	|	0.02
81.167	0.00	0.00	0.003	O	|	|	|	0.02
81.250	0.00	0.00	0.003	O	|	|	|	0.02
81.333	0.00	0.00	0.003	O	|	|	|	0.02
81.417	0.00	0.00	0.003	O	|	|	|	0.02
81.500	0.00	0.00	0.003	O	|	|	|	0.02
81.583	0.00	0.00	0.003	O	|	|	|	0.02
81.667	0.00	0.00	0.003	O	|	|	|	0.02
81.750	0.00	0.00	0.003	O	|	|	|	0.02
81.833	0.00	0.00	0.003	O	|	|	|	0.02
81.917	0.00	0.00	0.003	O	|	|	|	0.02
82.000	0.00	0.00	0.003	O	|	|	|	0.02
82.083	0.00	0.00	0.003	O	|	|	|	0.02
82.167	0.00	0.00	0.003	O	|	|	|	0.02
82.250	0.00	0.00	0.003	O	|	|	|	0.02
82.333	0.00	0.00	0.003	O	|	|	|	0.02
82.417	0.00	0.00	0.003	O	|	|	|	0.02
82.500	0.00	0.00	0.003	O	|	|	|	0.02
82.583	0.00	0.00	0.003	O	|	|	|	0.02
82.667	0.00	0.00	0.003	O	|	|	|	0.02
82.750	0.00	0.00	0.003	O	|	|	|	0.02
82.833	0.00	0.00	0.003	O	|	|	|	0.02
82.917	0.00	0.00	0.003	O	|	|	|	0.02
83.000	0.00	0.00	0.003	O	|	|	|	0.02
83.083	0.00	0.00	0.003	O	|	|	|	0.02
83.167	0.00	0.00	0.003	O	|	|	|	0.02
83.250	0.00	0.00	0.003	O	|	|	|	0.02
83.333	0.00	0.00	0.003	O	|	|	|	0.02
83.417	0.00	0.00	0.003	O	|	|	|	0.02
83.500	0.00	0.00	0.003	O	|	|	|	0.02
83.583	0.00	0.00	0.003	O	|	|	|	0.02
83.667	0.00	0.00	0.003	O	|	|	|	0.02
83.750	0.00	0.00	0.003	O	|	|	|	0.02
83.833	0.00	0.00	0.003	O	|	|	|	0.02
83.917	0.00	0.00	0.003	O	|	|	|	0.02
84.000	0.00	0.00	0.003	O	|	|	|	0.02
84.083	0.00	0.00	0.003	O	|	|	|	0.02
84.167	0.00	0.00	0.003	O	|	|	|	0.02
84.250	0.00	0.00	0.003	O	|	|	|	0.02
84.333	0.00	0.00	0.003	O	|	|	|	0.02
84.417	0.00	0.00	0.003	O	|	|	|	0.02
84.500	0.00	0.00	0.003	O	|	|	|	0.02
84.583	0.00	0.00	0.003	O	|	|	|	0.02
84.667	0.00	0.00	0.003	O	|	|	|	0.02
84.750	0.00	0.00	0.003	O	|	|	|	0.02
84.833	0.00	0.00	0.003	O	|	|	|	0.02
84.917	0.00	0.00	0.003	O	|	|	|	0.02
85.000	0.00	0.00	0.003	O	|	|	|	0.02
85.083	0.00	0.00	0.003	O	|	|	|	0.02

85.167	0.00	0.00	0.003	O	|	|	|	|	0.02
85.250	0.00	0.00	0.003	O	|	|	|	|	0.02
85.333	0.00	0.00	0.003	O	|	|	|	|	0.02
85.417	0.00	0.00	0.003	O	|	|	|	|	0.01
85.500	0.00	0.00	0.003	O	|	|	|	|	0.01
85.583	0.00	0.00	0.003	O	|	|	|	|	0.01
85.667	0.00	0.00	0.003	O	|	|	|	|	0.01
85.750	0.00	0.00	0.003	O	|	|	|	|	0.01
85.833	0.00	0.00	0.003	O	|	|	|	|	0.01
85.917	0.00	0.00	0.003	O	|	|	|	|	0.01
86.000	0.00	0.00	0.003	O	|	|	|	|	0.01
86.083	0.00	0.00	0.003	O	|	|	|	|	0.01
86.167	0.00	0.00	0.003	O	|	|	|	|	0.01
86.250	0.00	0.00	0.003	O	|	|	|	|	0.01
86.333	0.00	0.00	0.003	O	|	|	|	|	0.01
86.417	0.00	0.00	0.003	O	|	|	|	|	0.01
86.500	0.00	0.00	0.003	O	|	|	|	|	0.01
86.583	0.00	0.00	0.003	O	|	|	|	|	0.01
86.667	0.00	0.00	0.003	O	|	|	|	|	0.01
86.750	0.00	0.00	0.003	O	|	|	|	|	0.01
86.833	0.00	0.00	0.003	O	|	|	|	|	0.01
86.917	0.00	0.00	0.003	O	|	|	|	|	0.01
87.000	0.00	0.00	0.002	O	|	|	|	|	0.01
87.083	0.00	0.00	0.002	O	|	|	|	|	0.01
87.167	0.00	0.00	0.002	O	|	|	|	|	0.01
87.250	0.00	0.00	0.002	O	|	|	|	|	0.01
87.333	0.00	0.00	0.002	O	|	|	|	|	0.01
87.417	0.00	0.00	0.002	O	|	|	|	|	0.01
87.500	0.00	0.00	0.002	O	|	|	|	|	0.01
87.583	0.00	0.00	0.002	O	|	|	|	|	0.01
87.667	0.00	0.00	0.002	O	|	|	|	|	0.01
87.750	0.00	0.00	0.002	O	|	|	|	|	0.01
87.833	0.00	0.00	0.002	O	|	|	|	|	0.01
87.917	0.00	0.00	0.002	O	|	|	|	|	0.01
88.000	0.00	0.00	0.002	O	|	|	|	|	0.01
88.083	0.00	0.00	0.002	O	|	|	|	|	0.01
88.167	0.00	0.00	0.002	O	|	|	|	|	0.01
88.250	0.00	0.00	0.002	O	|	|	|	|	0.01
88.333	0.00	0.00	0.002	O	|	|	|	|	0.01
88.417	0.00	0.00	0.002	O	|	|	|	|	0.01
88.500	0.00	0.00	0.002	O	|	|	|	|	0.01
88.583	0.00	0.00	0.002	O	|	|	|	|	0.01
88.667	0.00	0.00	0.002	O	|	|	|	|	0.01
88.750	0.00	0.00	0.002	O	|	|	|	|	0.01
88.833	0.00	0.00	0.002	O	|	|	|	|	0.01
88.917	0.00	0.00	0.002	O	|	|	|	|	0.01
89.000	0.00	0.00	0.002	O	|	|	|	|	0.01
89.083	0.00	0.00	0.002	O	|	|	|	|	0.01
89.167	0.00	0.00	0.002	O	|	|	|	|	0.01
89.250	0.00	0.00	0.002	O	|	|	|	|	0.01
89.333	0.00	0.00	0.002	O	|	|	|	|	0.01
89.417	0.00	0.00	0.002	O	|	|	|	|	0.01

89.500	0.00	0.00	0.002	O	|	|	|	|	0.01
89.583	0.00	0.00	0.002	O	|	|	|	|	0.01
89.667	0.00	0.00	0.002	O	|	|	|	|	0.01
89.750	0.00	0.00	0.002	O	|	|	|	|	0.01
89.833	0.00	0.00	0.002	O	|	|	|	|	0.01
89.917	0.00	0.00	0.002	O	|	|	|	|	0.01
90.000	0.00	0.00	0.002	O	|	|	|	|	0.01
90.083	0.00	0.00	0.002	O	|	|	|	|	0.01
90.167	0.00	0.00	0.002	O	|	|	|	|	0.01
90.250	0.00	0.00	0.002	O	|	|	|	|	0.01
90.333	0.00	0.00	0.002	O	|	|	|	|	0.01
90.417	0.00	0.00	0.002	O	|	|	|	|	0.01
90.500	0.00	0.00	0.002	O	|	|	|	|	0.01
90.583	0.00	0.00	0.002	O	|	|	|	|	0.01
90.667	0.00	0.00	0.002	O	|	|	|	|	0.01
90.750	0.00	0.00	0.002	O	|	|	|	|	0.01
90.833	0.00	0.00	0.002	O	|	|	|	|	0.01
90.917	0.00	0.00	0.002	O	|	|	|	|	0.01
91.000	0.00	0.00	0.002	O	|	|	|	|	0.01
91.083	0.00	0.00	0.002	O	|	|	|	|	0.01
91.167	0.00	0.00	0.002	O	|	|	|	|	0.01
91.250	0.00	0.00	0.002	O	|	|	|	|	0.01
91.333	0.00	0.00	0.002	O	|	|	|	|	0.01
91.417	0.00	0.00	0.002	O	|	|	|	|	0.01
91.500	0.00	0.00	0.002	O	|	|	|	|	0.01
91.583	0.00	0.00	0.002	O	|	|	|	|	0.01
91.667	0.00	0.00	0.002	O	|	|	|	|	0.01
91.750	0.00	0.00	0.002	O	|	|	|	|	0.01
91.833	0.00	0.00	0.002	O	|	|	|	|	0.01
91.917	0.00	0.00	0.002	O	|	|	|	|	0.01
92.000	0.00	0.00	0.002	O	|	|	|	|	0.01
92.083	0.00	0.00	0.002	O	|	|	|	|	0.01
92.167	0.00	0.00	0.002	O	|	|	|	|	0.01
92.250	0.00	0.00	0.002	O	|	|	|	|	0.01
92.333	0.00	0.00	0.002	O	|	|	|	|	0.01
92.417	0.00	0.00	0.002	O	|	|	|	|	0.01
92.500	0.00	0.00	0.002	O	|	|	|	|	0.01
92.583	0.00	0.00	0.002	O	|	|	|	|	0.01
92.667	0.00	0.00	0.002	O	|	|	|	|	0.01
92.750	0.00	0.00	0.002	O	|	|	|	|	0.01
92.833	0.00	0.00	0.002	O	|	|	|	|	0.01
92.917	0.00	0.00	0.002	O	|	|	|	|	0.01
93.000	0.00	0.00	0.002	O	|	|	|	|	0.01
93.083	0.00	0.00	0.002	O	|	|	|	|	0.01
93.167	0.00	0.00	0.002	O	|	|	|	|	0.01
93.250	0.00	0.00	0.002	O	|	|	|	|	0.01
93.333	0.00	0.00	0.002	O	|	|	|	|	0.01
93.417	0.00	0.00	0.002	O	|	|	|	|	0.01
93.500	0.00	0.00	0.002	O	|	|	|	|	0.01
93.583	0.00	0.00	0.002	O	|	|	|	|	0.01
93.667	0.00	0.00	0.002	O	|	|	|	|	0.01
93.750	0.00	0.00	0.002	O	|	|	|	|	0.01

93.833	0.00	0.00	0.002	O	|	|	|	|	0.01
93.917	0.00	0.00	0.002	O	|	|	|	|	0.01
94.000	0.00	0.00	0.002	O	|	|	|	|	0.01
94.083	0.00	0.00	0.002	O	|	|	|	|	0.01
94.167	0.00	0.00	0.002	O	|	|	|	|	0.01
94.250	0.00	0.00	0.002	O	|	|	|	|	0.01
94.333	0.00	0.00	0.002	O	|	|	|	|	0.01
94.417	0.00	0.00	0.002	O	|	|	|	|	0.01
94.500	0.00	0.00	0.002	O	|	|	|	|	0.01
94.583	0.00	0.00	0.002	O	|	|	|	|	0.01
94.667	0.00	0.00	0.002	O	|	|	|	|	0.01
94.750	0.00	0.00	0.002	O	|	|	|	|	0.01
94.833	0.00	0.00	0.002	O	|	|	|	|	0.01
94.917	0.00	0.00	0.002	O	|	|	|	|	0.01
95.000	0.00	0.00	0.002	O	|	|	|	|	0.01
95.083	0.00	0.00	0.002	O	|	|	|	|	0.01
95.167	0.00	0.00	0.002	O	|	|	|	|	0.01
95.250	0.00	0.00	0.002	O	|	|	|	|	0.01
95.333	0.00	0.00	0.002	O	|	|	|	|	0.01
95.417	0.00	0.00	0.002	O	|	|	|	|	0.01
95.500	0.00	0.00	0.002	O	|	|	|	|	0.01
95.583	0.00	0.00	0.002	O	|	|	|	|	0.01
95.667	0.00	0.00	0.002	O	|	|	|	|	0.01
95.750	0.00	0.00	0.002	O	|	|	|	|	0.01
95.833	0.00	0.00	0.002	O	|	|	|	|	0.01
95.917	0.00	0.00	0.002	O	|	|	|	|	0.01
96.000	0.00	0.00	0.002	O	|	|	|	|	0.01
96.083	0.00	0.00	0.002	O	|	|	|	|	0.01
96.167	0.00	0.00	0.002	O	|	|	|	|	0.01

**********HYDROGRAPH DATA**********

Number of intervals = 1154
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 3.974 (CFS)
Total volume = 0.911 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2022
Study date: 09/12/23

ACACIA POINTE
BASIN ROUTING ANALYSIS
INFILTRATION BASIN "B"
100-YEAR, 24-HOUR

Program License Serial Number 6545

********** HYDROGRAPH INFORMATION **********

From study/file name: BDEV24100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 291
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 2.461 (CFS)
Total volume = 1.246 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

++
Process from Point/Station 1.000 to Point/Station 2.000
**** RETARDING BASIN ROUTING ****
_____

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 291
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.86(Ft.)

Initial basin depth = 0.86 (Ft.)
Initial basin storage = 0.16 (Ac.Ft)
Initial basin outflow = 0.10 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
1.000	0.182	0.120	0.182	0.182
2.000	0.401	3.690	0.388	0.414
3.000	0.671	18.540	0.607	0.735
4.000	0.982	39.640	0.845	1.119
5.000	1.338	65.660	1.112	1.564
6.000	1.740	95.640	1.411	2.069

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 0.6 1.23 1.85 2.46	Depth (Ft.)
0.083	0.05	0.10	0.156	IO | | | |	0.86
0.167	0.10	0.10	0.155	|O | | | |	0.85
0.250	0.10	0.10	0.155	|O | | | |	0.85
0.333	0.13	0.10	0.156	|O | | | |	0.85
0.417	0.16	0.10	0.156	|OI | | | |	0.86
0.500	0.16	0.10	0.156	|OI | | | |	0.86
0.583	0.16	0.10	0.157	|OI | | | |	0.86
0.667	0.16	0.10	0.157	|OI | | | |	0.86
0.750	0.16	0.10	0.157	|OI | | | |	0.86
0.833	0.19	0.10	0.158	|OI | | | |	0.87
0.917	0.21	0.10	0.159	|OI | | | |	0.87
1.000	0.21	0.11	0.159	|OI | | | |	0.88
1.083	0.19	0.11	0.160	|OI | | | |	0.88
1.167	0.17	0.11	0.160	|OI | | | |	0.88
1.250	0.16	0.11	0.161	|OI | | | |	0.88
1.333	0.16	0.11	0.161	|OI | | | |	0.89
1.417	0.16	0.11	0.162	|OI | | | |	0.89
1.500	0.16	0.11	0.162	|OI | | | |	0.89
1.583	0.16	0.11	0.162	|OI | | | |	0.89
1.667	0.16	0.11	0.163	|OI | | | |	0.89
1.750	0.16	0.11	0.163	|OI | | | |	0.90
1.833	0.19	0.11	0.164	|OI | | | |	0.90
1.917	0.21	0.11	0.164	|OI | | | |	0.90
2.000	0.21	0.11	0.165	|OI | | | |	0.91
2.083	0.22	0.11	0.166	|OI | | | |	0.91
2.167	0.22	0.11	0.166	|OI | | | |	0.91
2.250	0.22	0.11	0.167	|OI | | | |	0.92
2.333	0.22	0.11	0.168	|OI | | | |	0.92
2.417	0.22	0.11	0.169	|OI | | | |	0.93
2.500	0.22	0.11	0.169	|OI | | | |	0.93
2.583	0.24	0.11	0.170	|O I | | | |	0.93
2.667	0.26	0.11	0.171	|O I | | | |	0.94
2.750	0.27	0.11	0.172	|O I | | | |	0.95

2.833	0.27	0.11	0.173	O I				0.95
2.917	0.27	0.11	0.174	O I				0.96
3.000	0.27	0.12	0.175	O I				0.96
3.083	0.27	0.12	0.176	O I				0.97
3.167	0.27	0.12	0.177	O I				0.97
3.250	0.27	0.12	0.178	O I				0.98
3.333	0.27	0.12	0.179	O I				0.99
3.417	0.27	0.12	0.181	O I				0.99
3.500	0.27	0.12	0.182	O I				1.00
3.583	0.27	0.13	0.183	O I				1.00
3.667	0.27	0.14	0.183	O I				1.01
3.750	0.27	0.16	0.184	OI				1.01
3.833	0.29	0.17	0.185	OI				1.01
3.917	0.32	0.18	0.186	O I				1.02
4.000	0.32	0.20	0.187	O I				1.02
4.083	0.32	0.21	0.188	O I				1.03
4.167	0.32	0.22	0.188	O I				1.03
4.250	0.32	0.23	0.189	OI				1.03
4.333	0.35	0.25	0.190	OI				1.04
4.417	0.37	0.26	0.190	OI				1.04
4.500	0.38	0.27	0.191	OI				1.04
4.583	0.38	0.28	0.192	OI				1.05
4.667	0.38	0.29	0.193	OI				1.05
4.750	0.38	0.30	0.193	OI				1.05
4.833	0.40	0.31	0.194	OI				1.05
4.917	0.43	0.32	0.194	OI				1.06
5.000	0.43	0.33	0.195	OI				1.06
5.083	0.38	0.34	0.196	O				1.06
5.167	0.34	0.34	0.196	O				1.06
5.250	0.33	0.34	0.196	O				1.06
5.333	0.35	0.34	0.196	O				1.06
5.417	0.37	0.34	0.196	O				1.06
5.500	0.38	0.35	0.196	O				1.06
5.583	0.40	0.35	0.196	OI				1.06
5.667	0.43	0.36	0.197	OI				1.07
5.750	0.43	0.36	0.197	OI				1.07
5.833	0.43	0.37	0.197	OI				1.07
5.917	0.43	0.38	0.198	OI				1.07
6.000	0.43	0.38	0.198	OI				1.07
6.083	0.46	0.39	0.199	O				1.08
6.167	0.48	0.40	0.199	OI				1.08
6.250	0.48	0.41	0.200	OI				1.08
6.333	0.49	0.42	0.200	OI				1.08
6.417	0.49	0.42	0.201	OI				1.08
6.500	0.49	0.43	0.201	OI				1.09
6.583	0.51	0.44	0.201	OI				1.09
6.667	0.53	0.45	0.202	OI				1.09
6.750	0.54	0.46	0.203	OI				1.09
6.833	0.54	0.46	0.203	OI				1.10
6.917	0.54	0.47	0.204	OI				1.10
7.000	0.54	0.48	0.204	OI				1.10
7.083	0.54	0.49	0.204	OI				1.10

7.167	0.54	0.49	0.205	OI|				1.10
7.250	0.54	0.50	0.205	OI|				1.11
7.333	0.56	0.50	0.205	OI|				1.11
7.417	0.59	0.51	0.206	OI|				1.11
7.500	0.59	0.52	0.206	OI|				1.11
7.583	0.62	0.53	0.207	O I				1.11
7.667	0.64	0.54	0.208	OI				1.12
7.750	0.65	0.55	0.208	OI				1.12
7.833	0.67	0.56	0.209	OI				1.12
7.917	0.69	0.57	0.210	O|I				1.13
8.000	0.70	0.59	0.211	O|I				1.13
8.083	0.75	0.60	0.212	O|I				1.13
8.167	0.80	0.62	0.213	O I				1.14
8.250	0.81	0.64	0.214	O I				1.15
8.333	0.81	0.66	0.215	O I				1.15
8.417	0.81	0.67	0.216	O I				1.15
8.500	0.81	0.69	0.217	O I				1.16
8.583	0.83	0.70	0.218	|OI				1.16
8.667	0.86	0.72	0.219	|O I				1.17
8.750	0.86	0.73	0.220	|O I				1.17
8.833	0.89	0.75	0.220	|O I				1.18
8.917	0.91	0.76	0.221	|O I				1.18
9.000	0.91	0.78	0.222	| OI				1.18
9.083	0.97	0.80	0.223	| O I				1.19
9.167	1.01	0.82	0.225	| O I				1.20
9.250	1.02	0.84	0.226	| O I				1.20
9.333	1.06	0.86	0.227	| O I				1.21
9.417	1.09	0.88	0.229	| O I				1.21
9.500	1.10	0.91	0.230	| O I				1.22
9.583	1.15	0.93	0.232	| O I				1.23
9.667	1.19	0.95	0.233	| O I|				1.23
9.750	1.20	0.98	0.235	| O I|				1.24
9.833	1.24	1.00	0.236	| O I				1.25
9.917	1.28	1.03	0.238	| O I				1.26
10.000	1.29	1.06	0.240	| O I				1.26
10.083	1.07	1.07	0.240	| O				1.27
10.167	0.86	1.06	0.240	| I O				1.26
10.250	0.82	1.04	0.238	| I O				1.26
10.333	0.81	1.01	0.237	| I O				1.25
10.417	0.81	0.99	0.236	| I O				1.24
10.500	0.81	0.97	0.234	| I O				1.24
10.583	0.97	0.96	0.234	| O				1.24
10.667	1.11	0.97	0.234	| O I				1.24
10.750	1.14	0.99	0.235	| O I				1.24
10.833	1.15	1.00	0.236	| OI				1.25
10.917	1.15	1.02	0.237	| OI				1.25
11.000	1.16	1.03	0.238	| O I|				1.26
11.083	1.12	1.05	0.239	| OI				1.26
11.167	1.08	1.05	0.239	| OI				1.26
11.250	1.08	1.05	0.239	| OI				1.26
11.333	1.08	1.06	0.240	| OI				1.26
11.417	1.08	1.06	0.240	| OI				1.26

11.500	1.09	1.06	0.240	|	|	OI |	|	|	1.26
11.583	1.01	1.06	0.240	|	|	O |	|	|	1.26
11.667	0.94	1.05	0.239	|	|	IO |	|	|	1.26
11.750	0.93	1.04	0.238	|	|	IO |	|	|	1.26
11.833	0.96	1.03	0.238	|	|	IO |	|	|	1.25
11.917	1.00	1.02	0.237	|	|	O |	|	|	1.25
12.000	1.01	1.02	0.237	|	|	O |	|	|	1.25
12.083	1.30	1.04	0.238	|	|	O I	|	|	1.26
12.167	1.56	1.08	0.241	|	|	O | I	|	|	1.27
12.250	1.62	1.13	0.244	|	|	O | I	|	|	1.28
12.333	1.68	1.19	0.248	|	|	O| I	|	|	1.30
12.417	1.72	1.24	0.251	|	|	O I |	|	|	1.31
12.500	1.73	1.29	0.254	|	|	O I |	|	|	1.33
12.583	1.82	1.34	0.257	|	|	|O I|	|	|	1.34
12.667	1.89	1.40	0.260	|	|	| O I	|	|	1.36
12.750	1.91	1.45	0.264	|	|	| O I	|	|	1.37
12.833	1.96	1.50	0.267	|	|	| O |I	|	|	1.39
12.917	2.00	1.55	0.270	|	|	| O |I	|	|	1.40
13.000	2.01	1.60	0.273	|	|	| O | I	|	|	1.41
13.083	2.22	1.66	0.276	|	|	| O | I |	|	|	1.43
13.167	2.40	1.72	0.280	|	|	| O | I|	|	|	1.45
13.250	2.44	1.80	0.285	|	|	| O| I|	|	|	1.47
13.333	2.46	1.87	0.289	|	|	| O I|	|	|	1.49
13.417	2.46	1.93	0.293	|	|	| |O I|	|	|	1.51
13.500	2.46	1.99	0.296	|	|	| |O I	|	|	1.52
13.583	2.02	2.01	0.298	|	|	| | O	|	|	1.53
13.667	1.61	1.99	0.297	|	|	| I |O	|	|	1.52
13.750	1.54	1.95	0.294	|	|	| I |O	|	|	1.51
13.833	1.51	1.90	0.291	|	|	| I O	|	|	1.50
13.917	1.51	1.86	0.289	|	|	| I O	|	|	1.49
14.000	1.52	1.82	0.287	|	|	| I O|	|	|	1.48
14.083	1.68	1.80	0.285	|	|	| I O|	|	|	1.47
14.167	1.83	1.80	0.285	|	|	| O|	|	|	1.47
14.250	1.86	1.80	0.285	|	|	| OI	|	|	1.47
14.333	1.83	1.81	0.285	|	|	| O|	|	|	1.47
14.417	1.80	1.81	0.286	|	|	| O|	|	|	1.47
14.500	1.80	1.81	0.285	|	|	| O|	|	|	1.47
14.583	1.80	1.81	0.285	|	|	| O|	|	|	1.47
14.667	1.80	1.80	0.285	|	|	| O|	|	|	1.47
14.750	1.80	1.80	0.285	|	|	| O|	|	|	1.47
14.833	1.76	1.80	0.285	|	|	| IO|	|	|	1.47
14.917	1.73	1.80	0.285	|	|	| IO|	|	|	1.47
15.000	1.72	1.79	0.284	|	|	| IO|	|	|	1.47
15.083	1.68	1.78	0.284	|	|	| I O|	|	|	1.46
15.167	1.65	1.77	0.283	|	|	| IO |	|	|	1.46
15.250	1.64	1.75	0.282	|	|	| IO |	|	|	1.46
15.333	1.60	1.74	0.281	|	|	| I O |	|	|	1.45
15.417	1.57	1.72	0.280	|	|	| I O |	|	|	1.45
15.500	1.56	1.71	0.279	|	|	| I O |	|	|	1.44
15.583	1.40	1.68	0.278	|	|	| I O |	|	|	1.44
15.667	1.25	1.64	0.276	|	|	I O |	|	|	1.43
15.750	1.23	1.60	0.273	|	|	I| O |	|	|	1.42

```
15.833    1.22    1.56      0.270  |        |      I|   O   |        |     1.40
15.917    1.22    1.53      0.268  |        |      I|  O    |        |     1.39
16.000    1.22    1.49      0.266  |        |      I|  O    |        |     1.38
16.083    0.75    1.44      0.263  |        |I      | O    |        |     1.37
16.167    0.33    1.34      0.257  |   I    |       |O     |        |     1.34
16.250    0.25    1.23      0.250  |  I     |       O      |        |     1.31
16.333    0.22    1.13      0.244  | I      |     O  |     |        |     1.28
16.417    0.22    1.03      0.238  | I      |    O   |     |        |     1.25
16.500    0.22    0.94      0.232  | I      |   O    |     |        |     1.23
16.583    0.19    0.86      0.228  | I      |  O     |     |        |     1.21
16.667    0.17    0.79      0.223  | I      | O      |     |        |     1.19
16.750    0.16    0.72      0.219  | I      |O       |     |        |     1.17
16.833    0.16    0.66      0.215  | I     O        |     |        |     1.15
16.917    0.16    0.61      0.212  | I    O|        |     |        |     1.14
17.000    0.16    0.56      0.209  | I    O|        |     |        |     1.12
17.083    0.21    0.52      0.207  | I   O  |        |     |        |     1.11
17.167    0.26    0.49      0.205  |  I  O  |        |     |        |     1.10
17.250    0.27    0.47      0.203  |  I  O  |        |     |        |     1.10
17.333    0.27    0.45      0.202  |  I O   |        |     |        |     1.09
17.417    0.27    0.43      0.201  |  I O   |        |     |        |     1.09
17.500    0.27    0.41      0.200  |  I O   |        |     |        |     1.08
17.583    0.27    0.40      0.199  |  I O   |        |     |        |     1.08
17.667    0.27    0.38      0.198  |  IO    |        |     |        |     1.07
17.750    0.27    0.37      0.197  |  IO    |        |     |        |     1.07
17.833    0.24    0.36      0.197  |  IO    |        |     |        |     1.07
17.917    0.22    0.35      0.196  | I O    |        |     |        |     1.06
18.000    0.22    0.33      0.195  | I O    |        |     |        |     1.06
18.083    0.22    0.32      0.194  | I O    |        |     |        |     1.06
18.167    0.22    0.31      0.194  | I O    |        |     |        |     1.05
18.250    0.22    0.30      0.193  | IO     |        |     |        |     1.05
18.333    0.22    0.29      0.192  | IO     |        |     |        |     1.05
18.417    0.22    0.28      0.192  | IO     |        |     |        |     1.05
18.500    0.22    0.27      0.192  | IO     |        |     |        |     1.04
18.583    0.19    0.27      0.191  | IO     |        |     |        |     1.04
18.667    0.17    0.26      0.190  | IO     |        |     |        |     1.04
18.750    0.16    0.25      0.190  | IO     |        |     |        |     1.04
18.833    0.14    0.24      0.189  |I O     |        |     |        |     1.03
18.917    0.11    0.23      0.188  |IO      |        |     |        |     1.03
19.000    0.11    0.21      0.188  |IO      |        |     |        |     1.03
19.083    0.13    0.20      0.187  |IO      |        |     |        |     1.02
19.167    0.16    0.20      0.187  | O      |        |     |        |     1.02
19.250    0.16    0.19      0.186  | O      |        |     |        |     1.02
19.333    0.19    0.19      0.186  | O      |        |     |        |     1.02
19.417    0.21    0.19      0.186  | O      |        |     |        |     1.02
19.500    0.21    0.19      0.187  | O      |        |     |        |     1.02
19.583    0.19    0.19      0.187  | O      |        |     |        |     1.02
19.667    0.17    0.19      0.186  | O      |        |     |        |     1.02
19.750    0.16    0.19      0.186  | O      |        |     |        |     1.02
19.833    0.14    0.19      0.186  |IO      |        |     |        |     1.02
19.917    0.11    0.18      0.186  |IO      |        |     |        |     1.02
20.000    0.11    0.17      0.185  |IO      |        |     |        |     1.01
20.083    0.13    0.17      0.185  |IO      |        |     |        |     1.01
```

20.167	0.16	0.16	0.185	O				1.01
20.250	0.16	0.16	0.185	O				1.01
20.333	0.16	0.16	0.185	O				1.01
20.417	0.16	0.16	0.185	O				1.01
20.500	0.16	0.16	0.185	O				1.01
20.583	0.16	0.16	0.185	O				1.01
20.667	0.16	0.16	0.185	O				1.01
20.750	0.16	0.16	0.185	O				1.01
20.833	0.14	0.16	0.185	IO				1.01
20.917	0.11	0.16	0.184	IO				1.01
21.000	0.11	0.15	0.184	O				1.01
21.083	0.13	0.15	0.184	O				1.01
21.167	0.16	0.15	0.184	OI				1.01
21.250	0.16	0.15	0.184	OI				1.01
21.333	0.14	0.15	0.184	O				1.01
21.417	0.11	0.15	0.184	O				1.01
21.500	0.11	0.14	0.183	O				1.01
21.583	0.13	0.14	0.183	O				1.01
21.667	0.16	0.14	0.183	OI				1.01
21.750	0.16	0.14	0.183	OI				1.01
21.833	0.14	0.14	0.183	O				1.01
21.917	0.11	0.14	0.183	O				1.01
22.000	0.11	0.14	0.183	O				1.01
22.083	0.13	0.14	0.183	O				1.00
22.167	0.16	0.14	0.183	OI				1.00
22.250	0.16	0.14	0.183	OI				1.01
22.333	0.14	0.14	0.183	O				1.01
22.417	0.11	0.14	0.183	O				1.01
22.500	0.11	0.14	0.183	O				1.00
22.583	0.11	0.13	0.183	O				1.00
22.667	0.11	0.13	0.183	O				1.00
22.750	0.11	0.13	0.182	O				1.00
22.833	0.11	0.13	0.182	O				1.00
22.917	0.11	0.12	0.182	O				1.00
23.000	0.11	0.12	0.182	O				1.00
23.083	0.11	0.12	0.182	O				1.00
23.167	0.11	0.12	0.182	O				1.00
23.250	0.11	0.12	0.182	O				1.00
23.333	0.11	0.12	0.182	O				1.00
23.417	0.11	0.12	0.182	O				1.00
23.500	0.11	0.12	0.182	O				1.00
23.583	0.11	0.12	0.182	O				1.00
23.667	0.11	0.12	0.181	O				1.00
23.750	0.11	0.12	0.181	O				1.00
23.833	0.11	0.12	0.181	O				1.00
23.917	0.11	0.12	0.181	O				1.00
24.000	0.11	0.12	0.181	O				1.00
24.083	0.06	0.12	0.181	IO				0.99
24.167	0.01	0.12	0.180	IO				0.99
24.250	0.00	0.12	0.180	IO				0.99
24.333	0.00	0.12	0.179	IO				0.98
24.417	0.00	0.12	0.178	IO				0.98

24.500	0.00	0.12	0.177	IO				0.97
24.583	0.00	0.12	0.176	IO				0.97
24.667	0.00	0.12	0.176	IO				0.96
24.750	0.00	0.12	0.175	IO				0.96
24.833	0.00	0.11	0.174	IO				0.96
24.917	0.00	0.11	0.173	IO				0.95
25.000	0.00	0.11	0.172	IO				0.95
25.083	0.00	0.11	0.172	IO				0.94
25.167	0.00	0.11	0.171	IO				0.94
25.250	0.00	0.11	0.170	IO				0.93
25.333	0.00	0.11	0.169	IO				0.93
25.417	0.00	0.11	0.168	IO				0.93
25.500	0.00	0.11	0.168	IO				0.92
25.583	0.00	0.11	0.167	IO				0.92
25.667	0.00	0.11	0.166	IO				0.91
25.750	0.00	0.11	0.165	IO				0.91
25.833	0.00	0.11	0.165	IO				0.91
25.917	0.00	0.11	0.164	IO				0.90
26.000	0.00	0.11	0.163	IO				0.90
26.083	0.00	0.11	0.162	IO				0.89
26.167	0.00	0.11	0.162	IO				0.89
26.250	0.00	0.11	0.161	IO				0.88
26.333	0.00	0.11	0.160	IO				0.88
26.417	0.00	0.11	0.160	IO				0.88
26.500	0.00	0.10	0.159	IO				0.87
26.583	0.00	0.10	0.158	IO				0.87
26.667	0.00	0.10	0.157	IO				0.86
26.750	0.00	0.10	0.157	IO				0.86
26.833	0.00	0.10	0.156	IO				0.86
26.917	0.00	0.10	0.155	IO				0.85
27.000	0.00	0.10	0.155	IO				0.85
27.083	0.00	0.10	0.154	IO				0.85
27.167	0.00	0.10	0.153	IO				0.84
27.250	0.00	0.10	0.152	IO				0.84
27.333	0.00	0.10	0.152	IO				0.83
27.417	0.00	0.10	0.151	IO				0.83
27.500	0.00	0.10	0.150	IO				0.83
27.583	0.00	0.10	0.150	IO				0.82
27.667	0.00	0.10	0.149	IO				0.82
27.750	0.00	0.10	0.148	IO				0.82
27.833	0.00	0.10	0.148	IO				0.81
27.917	0.00	0.10	0.147	IO				0.81
28.000	0.00	0.10	0.146	IO				0.80
28.083	0.00	0.10	0.146	IO				0.80
28.167	0.00	0.10	0.145	IO				0.80
28.250	0.00	0.10	0.144	IO				0.79
28.333	0.00	0.09	0.144	IO				0.79
28.417	0.00	0.09	0.143	IO				0.79
28.500	0.00	0.09	0.142	IO				0.78
28.583	0.00	0.09	0.142	IO				0.78
28.667	0.00	0.09	0.141	IO				0.78
28.750	0.00	0.09	0.141	IO				0.77

28.833	0.00	0.09	0.140	IO				0.77
28.917	0.00	0.09	0.139	IO				0.77
29.000	0.00	0.09	0.139	IO				0.76
29.083	0.00	0.09	0.138	IO				0.76
29.167	0.00	0.09	0.137	IO				0.75
29.250	0.00	0.09	0.137	IO				0.75
29.333	0.00	0.09	0.136	IO				0.75
29.417	0.00	0.09	0.135	IO				0.74
29.500	0.00	0.09	0.135	IO				0.74
29.583	0.00	0.09	0.134	IO				0.74
29.667	0.00	0.09	0.134	IO				0.73
29.750	0.00	0.09	0.133	IO				0.73
29.833	0.00	0.09	0.132	IO				0.73
29.917	0.00	0.09	0.132	IO				0.72
30.000	0.00	0.09	0.131	IO				0.72
30.083	0.00	0.09	0.131	IO				0.72
30.167	0.00	0.09	0.130	IO				0.71
30.250	0.00	0.09	0.129	IO				0.71
30.333	0.00	0.08	0.129	IO				0.71
30.417	0.00	0.08	0.128	IO				0.71
30.500	0.00	0.08	0.128	IO				0.70
30.583	0.00	0.08	0.127	IO				0.70
30.667	0.00	0.08	0.127	IO				0.70
30.750	0.00	0.08	0.126	IO				0.69
30.833	0.00	0.08	0.125	IO				0.69
30.917	0.00	0.08	0.125	IO				0.69
31.000	0.00	0.08	0.124	IO				0.68
31.083	0.00	0.08	0.124	IO				0.68
31.167	0.00	0.08	0.123	IO				0.68
31.250	0.00	0.08	0.123	IO				0.67
31.333	0.00	0.08	0.122	IO				0.67
31.417	0.00	0.08	0.122	IO				0.67
31.500	0.00	0.08	0.121	IO				0.66
31.583	0.00	0.08	0.120	IO				0.66
31.667	0.00	0.08	0.120	IO				0.66
31.750	0.00	0.08	0.119	IO				0.66
31.833	0.00	0.08	0.119	IO				0.65
31.917	0.00	0.08	0.118	IO				0.65
32.000	0.00	0.08	0.118	IO				0.65
32.083	0.00	0.08	0.117	IO				0.64
32.167	0.00	0.08	0.117	O				0.64
32.250	0.00	0.08	0.116	O				0.64
32.333	0.00	0.08	0.116	O				0.64
32.417	0.00	0.08	0.115	O				0.63
32.500	0.00	0.08	0.115	O				0.63
32.583	0.00	0.08	0.114	O				0.63
32.667	0.00	0.07	0.114	O				0.62
32.750	0.00	0.07	0.113	O				0.62
32.833	0.00	0.07	0.112	O				0.62
32.917	0.00	0.07	0.112	O				0.62
33.000	0.00	0.07	0.111	O				0.61
33.083	0.00	0.07	0.111	O				0.61

33.167	0.00	0.07	0.110	O	|	|	|	0.61
33.250	0.00	0.07	0.110	O	|	|	|	0.60
33.333	0.00	0.07	0.109	O	|	|	|	0.60
33.417	0.00	0.07	0.109	O	|	|	|	0.60
33.500	0.00	0.07	0.108	O	|	|	|	0.60
33.583	0.00	0.07	0.108	O	|	|	|	0.59
33.667	0.00	0.07	0.107	O	|	|	|	0.59
33.750	0.00	0.07	0.107	O	|	|	|	0.59
33.833	0.00	0.07	0.107	O	|	|	|	0.59
33.917	0.00	0.07	0.106	O	|	|	|	0.58
34.000	0.00	0.07	0.106	O	|	|	|	0.58
34.083	0.00	0.07	0.105	O	|	|	|	0.58
34.167	0.00	0.07	0.105	O	|	|	|	0.57
34.250	0.00	0.07	0.104	O	|	|	|	0.57
34.333	0.00	0.07	0.104	O	|	|	|	0.57
34.417	0.00	0.07	0.103	O	|	|	|	0.57
34.500	0.00	0.07	0.103	O	|	|	|	0.56
34.583	0.00	0.07	0.102	O	|	|	|	0.56
34.667	0.00	0.07	0.102	O	|	|	|	0.56
34.750	0.00	0.07	0.101	O	|	|	|	0.56
34.833	0.00	0.07	0.101	O	|	|	|	0.55
34.917	0.00	0.07	0.100	O	|	|	|	0.55
35.000	0.00	0.07	0.100	O	|	|	|	0.55
35.083	0.00	0.07	0.100	O	|	|	|	0.55
35.167	0.00	0.07	0.099	O	|	|	|	0.54
35.250	0.00	0.07	0.099	O	|	|	|	0.54
35.333	0.00	0.06	0.098	O	|	|	|	0.54
35.417	0.00	0.06	0.098	O	|	|	|	0.54
35.500	0.00	0.06	0.097	O	|	|	|	0.53
35.583	0.00	0.06	0.097	O	|	|	|	0.53
35.667	0.00	0.06	0.096	O	|	|	|	0.53
35.750	0.00	0.06	0.096	O	|	|	|	0.53
35.833	0.00	0.06	0.096	O	|	|	|	0.52
35.917	0.00	0.06	0.095	O	|	|	|	0.52
36.000	0.00	0.06	0.095	O	|	|	|	0.52
36.083	0.00	0.06	0.094	O	|	|	|	0.52
36.167	0.00	0.06	0.094	O	|	|	|	0.52
36.250	0.00	0.06	0.093	O	|	|	|	0.51
36.333	0.00	0.06	0.093	O	|	|	|	0.51
36.417	0.00	0.06	0.093	O	|	|	|	0.51
36.500	0.00	0.06	0.092	O	|	|	|	0.51
36.583	0.00	0.06	0.092	O	|	|	|	0.50
36.667	0.00	0.06	0.091	O	|	|	|	0.50
36.750	0.00	0.06	0.091	O	|	|	|	0.50
36.833	0.00	0.06	0.090	O	|	|	|	0.50
36.917	0.00	0.06	0.090	O	|	|	|	0.49
37.000	0.00	0.06	0.090	O	|	|	|	0.49
37.083	0.00	0.06	0.089	O	|	|	|	0.49
37.167	0.00	0.06	0.089	O	|	|	|	0.49
37.250	0.00	0.06	0.088	O	|	|	|	0.49
37.333	0.00	0.06	0.088	O	|	|	|	0.48
37.417	0.00	0.06	0.088	O	|	|	|	0.48

37.500	0.00	0.06	0.087	O	|	|	|	0.48
37.583	0.00	0.06	0.087	O	|	|	|	0.48
37.667	0.00	0.06	0.086	O	|	|	|	0.47
37.750	0.00	0.06	0.086	O	|	|	|	0.47
37.833	0.00	0.06	0.086	O	|	|	|	0.47
37.917	0.00	0.06	0.085	O	|	|	|	0.47
38.000	0.00	0.06	0.085	O	|	|	|	0.47
38.083	0.00	0.06	0.084	O	|	|	|	0.46
38.167	0.00	0.06	0.084	O	|	|	|	0.46
38.250	0.00	0.06	0.084	O	|	|	|	0.46
38.333	0.00	0.05	0.083	O	|	|	|	0.46
38.417	0.00	0.05	0.083	O	|	|	|	0.46
38.500	0.00	0.05	0.083	O	|	|	|	0.45
38.583	0.00	0.05	0.082	O	|	|	|	0.45
38.667	0.00	0.05	0.082	O	|	|	|	0.45
38.750	0.00	0.05	0.081	O	|	|	|	0.45
38.833	0.00	0.05	0.081	O	|	|	|	0.45
38.917	0.00	0.05	0.081	O	|	|	|	0.44
39.000	0.00	0.05	0.080	O	|	|	|	0.44
39.083	0.00	0.05	0.080	O	|	|	|	0.44
39.167	0.00	0.05	0.080	O	|	|	|	0.44
39.250	0.00	0.05	0.079	O	|	|	|	0.44
39.333	0.00	0.05	0.079	O	|	|	|	0.43
39.417	0.00	0.05	0.079	O	|	|	|	0.43
39.500	0.00	0.05	0.078	O	|	|	|	0.43
39.583	0.00	0.05	0.078	O	|	|	|	0.43
39.667	0.00	0.05	0.078	O	|	|	|	0.43
39.750	0.00	0.05	0.077	O	|	|	|	0.42
39.833	0.00	0.05	0.077	O	|	|	|	0.42
39.917	0.00	0.05	0.076	O	|	|	|	0.42
40.000	0.00	0.05	0.076	O	|	|	|	0.42
40.083	0.00	0.05	0.076	O	|	|	|	0.42
40.167	0.00	0.05	0.075	O	|	|	|	0.41
40.250	0.00	0.05	0.075	O	|	|	|	0.41
40.333	0.00	0.05	0.075	O	|	|	|	0.41
40.417	0.00	0.05	0.074	O	|	|	|	0.41
40.500	0.00	0.05	0.074	O	|	|	|	0.41
40.583	0.00	0.05	0.074	O	|	|	|	0.41
40.667	0.00	0.05	0.073	O	|	|	|	0.40
40.750	0.00	0.05	0.073	O	|	|	|	0.40
40.833	0.00	0.05	0.073	O	|	|	|	0.40
40.917	0.00	0.05	0.072	O	|	|	|	0.40
41.000	0.00	0.05	0.072	O	|	|	|	0.40
41.083	0.00	0.05	0.072	O	|	|	|	0.39
41.167	0.00	0.05	0.071	O	|	|	|	0.39
41.250	0.00	0.05	0.071	O	|	|	|	0.39
41.333	0.00	0.05	0.071	O	|	|	|	0.39
41.417	0.00	0.05	0.070	O	|	|	|	0.39
41.500	0.00	0.05	0.070	O	|	|	|	0.39
41.583	0.00	0.05	0.070	O	|	|	|	0.38
41.667	0.00	0.05	0.070	O	|	|	|	0.38
41.750	0.00	0.05	0.069	O	|	|	|	0.38

41.833	0.00	0.05	0.069	O	|	|	|	0.38
41.917	0.00	0.05	0.069	O	|	|	|	0.38
42.000	0.00	0.05	0.068	O	|	|	|	0.38
42.083	0.00	0.04	0.068	O	|	|	|	0.37
42.167	0.00	0.04	0.068	O	|	|	|	0.37
42.250	0.00	0.04	0.067	O	|	|	|	0.37
42.333	0.00	0.04	0.067	O	|	|	|	0.37
42.417	0.00	0.04	0.067	O	|	|	|	0.37
42.500	0.00	0.04	0.066	O	|	|	|	0.36
42.583	0.00	0.04	0.066	O	|	|	|	0.36
42.667	0.00	0.04	0.066	O	|	|	|	0.36
42.750	0.00	0.04	0.066	O	|	|	|	0.36
42.833	0.00	0.04	0.065	O	|	|	|	0.36
42.917	0.00	0.04	0.065	O	|	|	|	0.36
43.000	0.00	0.04	0.065	O	|	|	|	0.36
43.083	0.00	0.04	0.064	O	|	|	|	0.35
43.167	0.00	0.04	0.064	O	|	|	|	0.35
43.250	0.00	0.04	0.064	O	|	|	|	0.35
43.333	0.00	0.04	0.063	O	|	|	|	0.35
43.417	0.00	0.04	0.063	O	|	|	|	0.35
43.500	0.00	0.04	0.063	O	|	|	|	0.35
43.583	0.00	0.04	0.063	O	|	|	|	0.34
43.667	0.00	0.04	0.062	O	|	|	|	0.34
43.750	0.00	0.04	0.062	O	|	|	|	0.34
43.833	0.00	0.04	0.062	O	|	|	|	0.34
43.917	0.00	0.04	0.061	O	|	|	|	0.34
44.000	0.00	0.04	0.061	O	|	|	|	0.34
44.083	0.00	0.04	0.061	O	|	|	|	0.33
44.167	0.00	0.04	0.061	O	|	|	|	0.33
44.250	0.00	0.04	0.060	O	|	|	|	0.33
44.333	0.00	0.04	0.060	O	|	|	|	0.33
44.417	0.00	0.04	0.060	O	|	|	|	0.33
44.500	0.00	0.04	0.060	O	|	|	|	0.33
44.583	0.00	0.04	0.059	O	|	|	|	0.33
44.667	0.00	0.04	0.059	O	|	|	|	0.32
44.750	0.00	0.04	0.059	O	|	|	|	0.32
44.833	0.00	0.04	0.058	O	|	|	|	0.32
44.917	0.00	0.04	0.058	O	|	|	|	0.32
45.000	0.00	0.04	0.058	O	|	|	|	0.32
45.083	0.00	0.04	0.058	O	|	|	|	0.32
45.167	0.00	0.04	0.057	O	|	|	|	0.32
45.250	0.00	0.04	0.057	O	|	|	|	0.31
45.333	0.00	0.04	0.057	O	|	|	|	0.31
45.417	0.00	0.04	0.057	O	|	|	|	0.31
45.500	0.00	0.04	0.056	O	|	|	|	0.31
45.583	0.00	0.04	0.056	O	|	|	|	0.31
45.667	0.00	0.04	0.056	O	|	|	|	0.31
45.750	0.00	0.04	0.056	O	|	|	|	0.31
45.833	0.00	0.04	0.055	O	|	|	|	0.30
45.917	0.00	0.04	0.055	O	|	|	|	0.30
46.000	0.00	0.04	0.055	O	|	|	|	0.30
46.083	0.00	0.04	0.055	O	|	|	|	0.30

46.167	0.00	0.04	0.054	O	|	|	|	0.30
46.250	0.00	0.04	0.054	O	|	|	|	0.30
46.333	0.00	0.04	0.054	O	|	|	|	0.30
46.417	0.00	0.04	0.054	O	|	|	|	0.29
46.500	0.00	0.04	0.053	O	|	|	|	0.29
46.583	0.00	0.04	0.053	O	|	|	|	0.29
46.667	0.00	0.03	0.053	O	|	|	|	0.29
46.750	0.00	0.03	0.053	O	|	|	|	0.29
46.833	0.00	0.03	0.052	O	|	|	|	0.29
46.917	0.00	0.03	0.052	O	|	|	|	0.29
47.000	0.00	0.03	0.052	O	|	|	|	0.29
47.083	0.00	0.03	0.052	O	|	|	|	0.28
47.167	0.00	0.03	0.052	O	|	|	|	0.28
47.250	0.00	0.03	0.051	O	|	|	|	0.28
47.333	0.00	0.03	0.051	O	|	|	|	0.28
47.417	0.00	0.03	0.051	O	|	|	|	0.28
47.500	0.00	0.03	0.051	O	|	|	|	0.28
47.583	0.00	0.03	0.050	O	|	|	|	0.28
47.667	0.00	0.03	0.050	O	|	|	|	0.28
47.750	0.00	0.03	0.050	O	|	|	|	0.27
47.833	0.00	0.03	0.050	O	|	|	|	0.27
47.917	0.00	0.03	0.049	O	|	|	|	0.27
48.000	0.00	0.03	0.049	O	|	|	|	0.27
48.083	0.00	0.03	0.049	O	|	|	|	0.27
48.167	0.00	0.03	0.049	O	|	|	|	0.27
48.250	0.00	0.03	0.049	O	|	|	|	0.27
48.333	0.00	0.03	0.048	O	|	|	|	0.27
48.417	0.00	0.03	0.048	O	|	|	|	0.26
48.500	0.00	0.03	0.048	O	|	|	|	0.26
48.583	0.00	0.03	0.048	O	|	|	|	0.26
48.667	0.00	0.03	0.047	O	|	|	|	0.26
48.750	0.00	0.03	0.047	O	|	|	|	0.26
48.833	0.00	0.03	0.047	O	|	|	|	0.26
48.917	0.00	0.03	0.047	O	|	|	|	0.26
49.000	0.00	0.03	0.047	O	|	|	|	0.26
49.083	0.00	0.03	0.046	O	|	|	|	0.25
49.167	0.00	0.03	0.046	O	|	|	|	0.25
49.250	0.00	0.03	0.046	O	|	|	|	0.25
49.333	0.00	0.03	0.046	O	|	|	|	0.25
49.417	0.00	0.03	0.046	O	|	|	|	0.25
49.500	0.00	0.03	0.045	O	|	|	|	0.25
49.583	0.00	0.03	0.045	O	|	|	|	0.25
49.667	0.00	0.03	0.045	O	|	|	|	0.25
49.750	0.00	0.03	0.045	O	|	|	|	0.25
49.833	0.00	0.03	0.045	O	|	|	|	0.24
49.917	0.00	0.03	0.044	O	|	|	|	0.24
50.000	0.00	0.03	0.044	O	|	|	|	0.24
50.083	0.00	0.03	0.044	O	|	|	|	0.24
50.167	0.00	0.03	0.044	O	|	|	|	0.24
50.250	0.00	0.03	0.044	O	|	|	|	0.24
50.333	0.00	0.03	0.043	O	|	|	|	0.24
50.417	0.00	0.03	0.043	O	|	|	|	0.24

50.500	0.00	0.03	0.043	O	|	|	|	0.24
50.583	0.00	0.03	0.043	O	|	|	|	0.23
50.667	0.00	0.03	0.043	O	|	|	|	0.23
50.750	0.00	0.03	0.042	O	|	|	|	0.23
50.833	0.00	0.03	0.042	O	|	|	|	0.23
50.917	0.00	0.03	0.042	O	|	|	|	0.23
51.000	0.00	0.03	0.042	O	|	|	|	0.23
51.083	0.00	0.03	0.042	O	|	|	|	0.23
51.167	0.00	0.03	0.041	O	|	|	|	0.23
51.250	0.00	0.03	0.041	O	|	|	|	0.23
51.333	0.00	0.03	0.041	O	|	|	|	0.23
51.417	0.00	0.03	0.041	O	|	|	|	0.22
51.500	0.00	0.03	0.041	O	|	|	|	0.22
51.583	0.00	0.03	0.040	O	|	|	|	0.22
51.667	0.00	0.03	0.040	O	|	|	|	0.22
51.750	0.00	0.03	0.040	O	|	|	|	0.22
51.833	0.00	0.03	0.040	O	|	|	|	0.22
51.917	0.00	0.03	0.040	O	|	|	|	0.22
52.000	0.00	0.03	0.040	O	|	|	|	0.22
52.083	0.00	0.03	0.039	O	|	|	|	0.22
52.167	0.00	0.03	0.039	O	|	|	|	0.22
52.250	0.00	0.03	0.039	O	|	|	|	0.21
52.333	0.00	0.03	0.039	O	|	|	|	0.21
52.417	0.00	0.03	0.039	O	|	|	|	0.21
52.500	0.00	0.03	0.039	O	|	|	|	0.21
52.583	0.00	0.03	0.038	O	|	|	|	0.21
52.667	0.00	0.03	0.038	O	|	|	|	0.21
52.750	0.00	0.03	0.038	O	|	|	|	0.21
52.833	0.00	0.02	0.038	O	|	|	|	0.21
52.917	0.00	0.02	0.038	O	|	|	|	0.21
53.000	0.00	0.02	0.037	O	|	|	|	0.21
53.083	0.00	0.02	0.037	O	|	|	|	0.21
53.167	0.00	0.02	0.037	O	|	|	|	0.20
53.250	0.00	0.02	0.037	O	|	|	|	0.20
53.333	0.00	0.02	0.037	O	|	|	|	0.20
53.417	0.00	0.02	0.037	O	|	|	|	0.20
53.500	0.00	0.02	0.036	O	|	|	|	0.20
53.583	0.00	0.02	0.036	O	|	|	|	0.20
53.667	0.00	0.02	0.036	O	|	|	|	0.20
53.750	0.00	0.02	0.036	O	|	|	|	0.20
53.833	0.00	0.02	0.036	O	|	|	|	0.20
53.917	0.00	0.02	0.036	O	|	|	|	0.20
54.000	0.00	0.02	0.035	O	|	|	|	0.20
54.083	0.00	0.02	0.035	O	|	|	|	0.19
54.167	0.00	0.02	0.035	O	|	|	|	0.19
54.250	0.00	0.02	0.035	O	|	|	|	0.19
54.333	0.00	0.02	0.035	O	|	|	|	0.19
54.417	0.00	0.02	0.035	O	|	|	|	0.19
54.500	0.00	0.02	0.035	O	|	|	|	0.19
54.583	0.00	0.02	0.034	O	|	|	|	0.19
54.667	0.00	0.02	0.034	O	|	|	|	0.19
54.750	0.00	0.02	0.034	O	|	|	|	0.19

54.833	0.00	0.02	0.034	O	|	|	|	0.19
54.917	0.00	0.02	0.034	O	|	|	|	0.19
55.000	0.00	0.02	0.034	O	|	|	|	0.18
55.083	0.00	0.02	0.033	O	|	|	|	0.18
55.167	0.00	0.02	0.033	O	|	|	|	0.18
55.250	0.00	0.02	0.033	O	|	|	|	0.18
55.333	0.00	0.02	0.033	O	|	|	|	0.18
55.417	0.00	0.02	0.033	O	|	|	|	0.18
55.500	0.00	0.02	0.033	O	|	|	|	0.18
55.583	0.00	0.02	0.033	O	|	|	|	0.18
55.667	0.00	0.02	0.032	O	|	|	|	0.18
55.750	0.00	0.02	0.032	O	|	|	|	0.18
55.833	0.00	0.02	0.032	O	|	|	|	0.18
55.917	0.00	0.02	0.032	O	|	|	|	0.18
56.000	0.00	0.02	0.032	O	|	|	|	0.17
56.083	0.00	0.02	0.032	O	|	|	|	0.17
56.167	0.00	0.02	0.032	O	|	|	|	0.17
56.250	0.00	0.02	0.031	O	|	|	|	0.17
56.333	0.00	0.02	0.031	O	|	|	|	0.17
56.417	0.00	0.02	0.031	O	|	|	|	0.17
56.500	0.00	0.02	0.031	O	|	|	|	0.17
56.583	0.00	0.02	0.031	O	|	|	|	0.17
56.667	0.00	0.02	0.031	O	|	|	|	0.17
56.750	0.00	0.02	0.031	O	|	|	|	0.17
56.833	0.00	0.02	0.030	O	|	|	|	0.17
56.917	0.00	0.02	0.030	O	|	|	|	0.17
57.000	0.00	0.02	0.030	O	|	|	|	0.17
57.083	0.00	0.02	0.030	O	|	|	|	0.16
57.167	0.00	0.02	0.030	O	|	|	|	0.16
57.250	0.00	0.02	0.030	O	|	|	|	0.16
57.333	0.00	0.02	0.030	O	|	|	|	0.16
57.417	0.00	0.02	0.029	O	|	|	|	0.16
57.500	0.00	0.02	0.029	O	|	|	|	0.16
57.583	0.00	0.02	0.029	O	|	|	|	0.16
57.667	0.00	0.02	0.029	O	|	|	|	0.16
57.750	0.00	0.02	0.029	O	|	|	|	0.16
57.833	0.00	0.02	0.029	O	|	|	|	0.16
57.917	0.00	0.02	0.029	O	|	|	|	0.16
58.000	0.00	0.02	0.029	O	|	|	|	0.16
58.083	0.00	0.02	0.028	O	|	|	|	0.16
58.167	0.00	0.02	0.028	O	|	|	|	0.16
58.250	0.00	0.02	0.028	O	|	|	|	0.15
58.333	0.00	0.02	0.028	O	|	|	|	0.15
58.417	0.00	0.02	0.028	O	|	|	|	0.15
58.500	0.00	0.02	0.028	O	|	|	|	0.15
58.583	0.00	0.02	0.028	O	|	|	|	0.15
58.667	0.00	0.02	0.028	O	|	|	|	0.15
58.750	0.00	0.02	0.027	O	|	|	|	0.15
58.833	0.00	0.02	0.027	O	|	|	|	0.15
58.917	0.00	0.02	0.027	O	|	|	|	0.15
59.000	0.00	0.02	0.027	O	|	|	|	0.15
59.083	0.00	0.02	0.027	O	|	|	|	0.15

59.167	0.00	0.02	0.027	O	|	|	|	0.15
59.250	0.00	0.02	0.027	O	|	|	|	0.15
59.333	0.00	0.02	0.027	O	|	|	|	0.15
59.417	0.00	0.02	0.026	O	|	|	|	0.15
59.500	0.00	0.02	0.026	O	|	|	|	0.14
59.583	0.00	0.02	0.026	O	|	|	|	0.14
59.667	0.00	0.02	0.026	O	|	|	|	0.14
59.750	0.00	0.02	0.026	O	|	|	|	0.14
59.833	0.00	0.02	0.026	O	|	|	|	0.14
59.917	0.00	0.02	0.026	O	|	|	|	0.14
60.000	0.00	0.02	0.026	O	|	|	|	0.14
60.083	0.00	0.02	0.025	O	|	|	|	0.14
60.167	0.00	0.02	0.025	O	|	|	|	0.14
60.250	0.00	0.02	0.025	O	|	|	|	0.14
60.333	0.00	0.02	0.025	O	|	|	|	0.14
60.417	0.00	0.02	0.025	O	|	|	|	0.14
60.500	0.00	0.02	0.025	O	|	|	|	0.14
60.583	0.00	0.02	0.025	O	|	|	|	0.14
60.667	0.00	0.02	0.025	O	|	|	|	0.14
60.750	0.00	0.02	0.025	O	|	|	|	0.14
60.833	0.00	0.02	0.024	O	|	|	|	0.13
60.917	0.00	0.02	0.024	O	|	|	|	0.13
61.000	0.00	0.02	0.024	O	|	|	|	0.13
61.083	0.00	0.02	0.024	O	|	|	|	0.13
61.167	0.00	0.02	0.024	O	|	|	|	0.13
61.250	0.00	0.02	0.024	O	|	|	|	0.13
61.333	0.00	0.02	0.024	O	|	|	|	0.13
61.417	0.00	0.02	0.024	O	|	|	|	0.13
61.500	0.00	0.02	0.024	O	|	|	|	0.13
61.583	0.00	0.02	0.023	O	|	|	|	0.13
61.667	0.00	0.02	0.023	O	|	|	|	0.13
61.750	0.00	0.02	0.023	O	|	|	|	0.13
61.833	0.00	0.02	0.023	O	|	|	|	0.13
61.917	0.00	0.02	0.023	O	|	|	|	0.13
62.000	0.00	0.02	0.023	O	|	|	|	0.13
62.083	0.00	0.02	0.023	O	|	|	|	0.13
62.167	0.00	0.01	0.023	O	|	|	|	0.12
62.250	0.00	0.01	0.023	O	|	|	|	0.12
62.333	0.00	0.01	0.023	O	|	|	|	0.12
62.417	0.00	0.01	0.022	O	|	|	|	0.12
62.500	0.00	0.01	0.022	O	|	|	|	0.12
62.583	0.00	0.01	0.022	O	|	|	|	0.12
62.667	0.00	0.01	0.022	O	|	|	|	0.12
62.750	0.00	0.01	0.022	O	|	|	|	0.12
62.833	0.00	0.01	0.022	O	|	|	|	0.12
62.917	0.00	0.01	0.022	O	|	|	|	0.12
63.000	0.00	0.01	0.022	O	|	|	|	0.12
63.083	0.00	0.01	0.022	O	|	|	|	0.12
63.167	0.00	0.01	0.022	O	|	|	|	0.12
63.250	0.00	0.01	0.021	O	|	|	|	0.12
63.333	0.00	0.01	0.021	O	|	|	|	0.12
63.417	0.00	0.01	0.021	O	|	|	|	0.12

63.500	0.00	0.01	0.021	O	|	|	|	0.12
63.583	0.00	0.01	0.021	O	|	|	|	0.12
63.667	0.00	0.01	0.021	O	|	|	|	0.12
63.750	0.00	0.01	0.021	O	|	|	|	0.11
63.833	0.00	0.01	0.021	O	|	|	|	0.11
63.917	0.00	0.01	0.021	O	|	|	|	0.11
64.000	0.00	0.01	0.021	O	|	|	|	0.11
64.083	0.00	0.01	0.020	O	|	|	|	0.11
64.167	0.00	0.01	0.020	O	|	|	|	0.11
64.250	0.00	0.01	0.020	O	|	|	|	0.11
64.333	0.00	0.01	0.020	O	|	|	|	0.11
64.417	0.00	0.01	0.020	O	|	|	|	0.11
64.500	0.00	0.01	0.020	O	|	|	|	0.11
64.583	0.00	0.01	0.020	O	|	|	|	0.11
64.667	0.00	0.01	0.020	O	|	|	|	0.11
64.750	0.00	0.01	0.020	O	|	|	|	0.11
64.833	0.00	0.01	0.020	O	|	|	|	0.11
64.917	0.00	0.01	0.020	O	|	|	|	0.11
65.000	0.00	0.01	0.019	O	|	|	|	0.11
65.083	0.00	0.01	0.019	O	|	|	|	0.11
65.167	0.00	0.01	0.019	O	|	|	|	0.11
65.250	0.00	0.01	0.019	O	|	|	|	0.11
65.333	0.00	0.01	0.019	O	|	|	|	0.11
65.417	0.00	0.01	0.019	O	|	|	|	0.10
65.500	0.00	0.01	0.019	O	|	|	|	0.10
65.583	0.00	0.01	0.019	O	|	|	|	0.10
65.667	0.00	0.01	0.019	O	|	|	|	0.10
65.750	0.00	0.01	0.019	O	|	|	|	0.10
65.833	0.00	0.01	0.019	O	|	|	|	0.10
65.917	0.00	0.01	0.019	O	|	|	|	0.10
66.000	0.00	0.01	0.018	O	|	|	|	0.10
66.083	0.00	0.01	0.018	O	|	|	|	0.10
66.167	0.00	0.01	0.018	O	|	|	|	0.10
66.250	0.00	0.01	0.018	O	|	|	|	0.10
66.333	0.00	0.01	0.018	O	|	|	|	0.10
66.417	0.00	0.01	0.018	O	|	|	|	0.10
66.500	0.00	0.01	0.018	O	|	|	|	0.10
66.583	0.00	0.01	0.018	O	|	|	|	0.10
66.667	0.00	0.01	0.018	O	|	|	|	0.10
66.750	0.00	0.01	0.018	O	|	|	|	0.10
66.833	0.00	0.01	0.018	O	|	|	|	0.10
66.917	0.00	0.01	0.018	O	|	|	|	0.10
67.000	0.00	0.01	0.017	O	|	|	|	0.10
67.083	0.00	0.01	0.017	O	|	|	|	0.10
67.167	0.00	0.01	0.017	O	|	|	|	0.10
67.250	0.00	0.01	0.017	O	|	|	|	0.09
67.333	0.00	0.01	0.017	O	|	|	|	0.09
67.417	0.00	0.01	0.017	O	|	|	|	0.09
67.500	0.00	0.01	0.017	O	|	|	|	0.09
67.583	0.00	0.01	0.017	O	|	|	|	0.09
67.667	0.00	0.01	0.017	O	|	|	|	0.09
67.750	0.00	0.01	0.017	O	|	|	|	0.09

67.833	0.00	0.01	0.017	O	|	|	|	|	0.09
67.917	0.00	0.01	0.017	O	|	|	|	|	0.09
68.000	0.00	0.01	0.017	O	|	|	|	|	0.09
68.083	0.00	0.01	0.016	O	|	|	|	|	0.09
68.167	0.00	0.01	0.016	O	|	|	|	|	0.09
68.250	0.00	0.01	0.016	O	|	|	|	|	0.09
68.333	0.00	0.01	0.016	O	|	|	|	|	0.09
68.417	0.00	0.01	0.016	O	|	|	|	|	0.09
68.500	0.00	0.01	0.016	O	|	|	|	|	0.09
68.583	0.00	0.01	0.016	O	|	|	|	|	0.09
68.667	0.00	0.01	0.016	O	|	|	|	|	0.09
68.750	0.00	0.01	0.016	O	|	|	|	|	0.09
68.833	0.00	0.01	0.016	O	|	|	|	|	0.09
68.917	0.00	0.01	0.016	O	|	|	|	|	0.09
69.000	0.00	0.01	0.016	O	|	|	|	|	0.09
69.083	0.00	0.01	0.016	O	|	|	|	|	0.09
69.167	0.00	0.01	0.016	O	|	|	|	|	0.09
69.250	0.00	0.01	0.015	O	|	|	|	|	0.08
69.333	0.00	0.01	0.015	O	|	|	|	|	0.08
69.417	0.00	0.01	0.015	O	|	|	|	|	0.08
69.500	0.00	0.01	0.015	O	|	|	|	|	0.08
69.583	0.00	0.01	0.015	O	|	|	|	|	0.08
69.667	0.00	0.01	0.015	O	|	|	|	|	0.08
69.750	0.00	0.01	0.015	O	|	|	|	|	0.08
69.833	0.00	0.01	0.015	O	|	|	|	|	0.08
69.917	0.00	0.01	0.015	O	|	|	|	|	0.08
70.000	0.00	0.01	0.015	O	|	|	|	|	0.08
70.083	0.00	0.01	0.015	O	|	|	|	|	0.08
70.167	0.00	0.01	0.015	O	|	|	|	|	0.08
70.250	0.00	0.01	0.015	O	|	|	|	|	0.08
70.333	0.00	0.01	0.015	O	|	|	|	|	0.08
70.417	0.00	0.01	0.015	O	|	|	|	|	0.08
70.500	0.00	0.01	0.014	O	|	|	|	|	0.08
70.583	0.00	0.01	0.014	O	|	|	|	|	0.08
70.667	0.00	0.01	0.014	O	|	|	|	|	0.08
70.750	0.00	0.01	0.014	O	|	|	|	|	0.08
70.833	0.00	0.01	0.014	O	|	|	|	|	0.08
70.917	0.00	0.01	0.014	O	|	|	|	|	0.08
71.000	0.00	0.01	0.014	O	|	|	|	|	0.08
71.083	0.00	0.01	0.014	O	|	|	|	|	0.08
71.167	0.00	0.01	0.014	O	|	|	|	|	0.08
71.250	0.00	0.01	0.014	O	|	|	|	|	0.08
71.333	0.00	0.01	0.014	O	|	|	|	|	0.08
71.417	0.00	0.01	0.014	O	|	|	|	|	0.08
71.500	0.00	0.01	0.014	O	|	|	|	|	0.08
71.583	0.00	0.01	0.014	O	|	|	|	|	0.07
71.667	0.00	0.01	0.014	O	|	|	|	|	0.07
71.750	0.00	0.01	0.013	O	|	|	|	|	0.07
71.833	0.00	0.01	0.013	O	|	|	|	|	0.07
71.917	0.00	0.01	0.013	O	|	|	|	|	0.07
72.000	0.00	0.01	0.013	O	|	|	|	|	0.07
72.083	0.00	0.01	0.013	O	|	|	|	|	0.07

72.167	0.00	0.01	0.013	O	|	|	|	0.07
72.250	0.00	0.01	0.013	O	|	|	|	0.07
72.333	0.00	0.01	0.013	O	|	|	|	0.07
72.417	0.00	0.01	0.013	O	|	|	|	0.07
72.500	0.00	0.01	0.013	O	|	|	|	0.07
72.583	0.00	0.01	0.013	O	|	|	|	0.07
72.667	0.00	0.01	0.013	O	|	|	|	0.07
72.750	0.00	0.01	0.013	O	|	|	|	0.07
72.833	0.00	0.01	0.013	O	|	|	|	0.07
72.917	0.00	0.01	0.013	O	|	|	|	0.07
73.000	0.00	0.01	0.013	O	|	|	|	0.07
73.083	0.00	0.01	0.013	O	|	|	|	0.07
73.167	0.00	0.01	0.012	O	|	|	|	0.07
73.250	0.00	0.01	0.012	O	|	|	|	0.07
73.333	0.00	0.01	0.012	O	|	|	|	0.07
73.417	0.00	0.01	0.012	O	|	|	|	0.07
73.500	0.00	0.01	0.012	O	|	|	|	0.07
73.583	0.00	0.01	0.012	O	|	|	|	0.07
73.667	0.00	0.01	0.012	O	|	|	|	0.07
73.750	0.00	0.01	0.012	O	|	|	|	0.07
73.833	0.00	0.01	0.012	O	|	|	|	0.07
73.917	0.00	0.01	0.012	O	|	|	|	0.07
74.000	0.00	0.01	0.012	O	|	|	|	0.07
74.083	0.00	0.01	0.012	O	|	|	|	0.07
74.167	0.00	0.01	0.012	O	|	|	|	0.06
74.250	0.00	0.01	0.012	O	|	|	|	0.06
74.333	0.00	0.01	0.012	O	|	|	|	0.06
74.417	0.00	0.01	0.012	O	|	|	|	0.06
74.500	0.00	0.01	0.012	O	|	|	|	0.06
74.583	0.00	0.01	0.012	O	|	|	|	0.06
74.667	0.00	0.01	0.012	O	|	|	|	0.06
74.750	0.00	0.01	0.011	O	|	|	|	0.06
74.833	0.00	0.01	0.011	O	|	|	|	0.06
74.917	0.00	0.01	0.011	O	|	|	|	0.06
75.000	0.00	0.01	0.011	O	|	|	|	0.06
75.083	0.00	0.01	0.011	O	|	|	|	0.06
75.167	0.00	0.01	0.011	O	|	|	|	0.06
75.250	0.00	0.01	0.011	O	|	|	|	0.06
75.333	0.00	0.01	0.011	O	|	|	|	0.06
75.417	0.00	0.01	0.011	O	|	|	|	0.06
75.500	0.00	0.01	0.011	O	|	|	|	0.06
75.583	0.00	0.01	0.011	O	|	|	|	0.06
75.667	0.00	0.01	0.011	O	|	|	|	0.06
75.750	0.00	0.01	0.011	O	|	|	|	0.06
75.833	0.00	0.01	0.011	O	|	|	|	0.06
75.917	0.00	0.01	0.011	O	|	|	|	0.06
76.000	0.00	0.01	0.011	O	|	|	|	0.06
76.083	0.00	0.01	0.011	O	|	|	|	0.06
76.167	0.00	0.01	0.011	O	|	|	|	0.06
76.250	0.00	0.01	0.011	O	|	|	|	0.06
76.333	0.00	0.01	0.011	O	|	|	|	0.06
76.417	0.00	0.01	0.010	O	|	|	|	0.06

76.500	0.00	0.01	0.010	O	|	|	|	0.06
76.583	0.00	0.01	0.010	O	|	|	|	0.06
76.667	0.00	0.01	0.010	O	|	|	|	0.06
76.750	0.00	0.01	0.010	O	|	|	|	0.06
76.833	0.00	0.01	0.010	O	|	|	|	0.06
76.917	0.00	0.01	0.010	O	|	|	|	0.06
77.000	0.00	0.01	0.010	O	|	|	|	0.06
77.083	0.00	0.01	0.010	O	|	|	|	0.06
77.167	0.00	0.01	0.010	O	|	|	|	0.06
77.250	0.00	0.01	0.010	O	|	|	|	0.05
77.333	0.00	0.01	0.010	O	|	|	|	0.05
77.417	0.00	0.01	0.010	O	|	|	|	0.05
77.500	0.00	0.01	0.010	O	|	|	|	0.05
77.583	0.00	0.01	0.010	O	|	|	|	0.05
77.667	0.00	0.01	0.010	O	|	|	|	0.05
77.750	0.00	0.01	0.010	O	|	|	|	0.05
77.833	0.00	0.01	0.010	O	|	|	|	0.05
77.917	0.00	0.01	0.010	O	|	|	|	0.05
78.000	0.00	0.01	0.010	O	|	|	|	0.05
78.083	0.00	0.01	0.010	O	|	|	|	0.05
78.167	0.00	0.01	0.010	O	|	|	|	0.05
78.250	0.00	0.01	0.009	O	|	|	|	0.05
78.333	0.00	0.01	0.009	O	|	|	|	0.05
78.417	0.00	0.01	0.009	O	|	|	|	0.05
78.500	0.00	0.01	0.009	O	|	|	|	0.05
78.583	0.00	0.01	0.009	O	|	|	|	0.05
78.667	0.00	0.01	0.009	O	|	|	|	0.05
78.750	0.00	0.01	0.009	O	|	|	|	0.05
78.833	0.00	0.01	0.009	O	|	|	|	0.05
78.917	0.00	0.01	0.009	O	|	|	|	0.05
79.000	0.00	0.01	0.009	O	|	|	|	0.05
79.083	0.00	0.01	0.009	O	|	|	|	0.05
79.167	0.00	0.01	0.009	O	|	|	|	0.05
79.250	0.00	0.01	0.009	O	|	|	|	0.05
79.333	0.00	0.01	0.009	O	|	|	|	0.05
79.417	0.00	0.01	0.009	O	|	|	|	0.05
79.500	0.00	0.01	0.009	O	|	|	|	0.05
79.583	0.00	0.01	0.009	O	|	|	|	0.05
79.667	0.00	0.01	0.009	O	|	|	|	0.05
79.750	0.00	0.01	0.009	O	|	|	|	0.05
79.833	0.00	0.01	0.009	O	|	|	|	0.05
79.917	0.00	0.01	0.009	O	|	|	|	0.05
80.000	0.00	0.01	0.009	O	|	|	|	0.05
80.083	0.00	0.01	0.009	O	|	|	|	0.05
80.167	0.00	0.01	0.009	O	|	|	|	0.05
80.250	0.00	0.01	0.008	O	|	|	|	0.05
80.333	0.00	0.01	0.008	O	|	|	|	0.05
80.417	0.00	0.01	0.008	O	|	|	|	0.05
80.500	0.00	0.01	0.008	O	|	|	|	0.05
80.583	0.00	0.01	0.008	O	|	|	|	0.05
80.667	0.00	0.01	0.008	O	|	|	|	0.05
80.750	0.00	0.01	0.008	O	|	|	|	0.05

80.833	0.00	0.01	0.008	O	|	|	|	0.05
80.917	0.00	0.01	0.008	O	|	|	|	0.04
81.000	0.00	0.01	0.008	O	|	|	|	0.04
81.083	0.00	0.01	0.008	O	|	|	|	0.04
81.167	0.00	0.01	0.008	O	|	|	|	0.04
81.250	0.00	0.01	0.008	O	|	|	|	0.04
81.333	0.00	0.01	0.008	O	|	|	|	0.04
81.417	0.00	0.01	0.008	O	|	|	|	0.04
81.500	0.00	0.01	0.008	O	|	|	|	0.04
81.583	0.00	0.01	0.008	O	|	|	|	0.04
81.667	0.00	0.01	0.008	O	|	|	|	0.04
81.750	0.00	0.01	0.008	O	|	|	|	0.04
81.833	0.00	0.01	0.008	O	|	|	|	0.04
81.917	0.00	0.01	0.008	O	|	|	|	0.04
82.000	0.00	0.01	0.008	O	|	|	|	0.04
82.083	0.00	0.01	0.008	O	|	|	|	0.04
82.167	0.00	0.01	0.008	O	|	|	|	0.04
82.250	0.00	0.01	0.008	O	|	|	|	0.04
82.333	0.00	0.00	0.008	O	|	|	|	0.04
82.417	0.00	0.00	0.008	O	|	|	|	0.04
82.500	0.00	0.00	0.008	O	|	|	|	0.04
82.583	0.00	0.00	0.007	O	|	|	|	0.04
82.667	0.00	0.00	0.007	O	|	|	|	0.04
82.750	0.00	0.00	0.007	O	|	|	|	0.04
82.833	0.00	0.00	0.007	O	|	|	|	0.04
82.917	0.00	0.00	0.007	O	|	|	|	0.04
83.000	0.00	0.00	0.007	O	|	|	|	0.04
83.083	0.00	0.00	0.007	O	|	|	|	0.04
83.167	0.00	0.00	0.007	O	|	|	|	0.04
83.250	0.00	0.00	0.007	O	|	|	|	0.04
83.333	0.00	0.00	0.007	O	|	|	|	0.04
83.417	0.00	0.00	0.007	O	|	|	|	0.04
83.500	0.00	0.00	0.007	O	|	|	|	0.04
83.583	0.00	0.00	0.007	O	|	|	|	0.04
83.667	0.00	0.00	0.007	O	|	|	|	0.04
83.750	0.00	0.00	0.007	O	|	|	|	0.04
83.833	0.00	0.00	0.007	O	|	|	|	0.04
83.917	0.00	0.00	0.007	O	|	|	|	0.04
84.000	0.00	0.00	0.007	O	|	|	|	0.04
84.083	0.00	0.00	0.007	O	|	|	|	0.04
84.167	0.00	0.00	0.007	O	|	|	|	0.04
84.250	0.00	0.00	0.007	O	|	|	|	0.04
84.333	0.00	0.00	0.007	O	|	|	|	0.04
84.417	0.00	0.00	0.007	O	|	|	|	0.04
84.500	0.00	0.00	0.007	O	|	|	|	0.04
84.583	0.00	0.00	0.007	O	|	|	|	0.04
84.667	0.00	0.00	0.007	O	|	|	|	0.04
84.750	0.00	0.00	0.007	O	|	|	|	0.04
84.833	0.00	0.00	0.007	O	|	|	|	0.04
84.917	0.00	0.00	0.007	O	|	|	|	0.04
85.000	0.00	0.00	0.007	O	|	|	|	0.04
85.083	0.00	0.00	0.007	O	|	|	|	0.04

85.167	0.00	0.00	0.006	O	|	|	|	0.04
85.250	0.00	0.00	0.006	O	|	|	|	0.04
85.333	0.00	0.00	0.006	O	|	|	|	0.04
85.417	0.00	0.00	0.006	O	|	|	|	0.04
85.500	0.00	0.00	0.006	O	|	|	|	0.04
85.583	0.00	0.00	0.006	O	|	|	|	0.03
85.667	0.00	0.00	0.006	O	|	|	|	0.03
85.750	0.00	0.00	0.006	O	|	|	|	0.03
85.833	0.00	0.00	0.006	O	|	|	|	0.03
85.917	0.00	0.00	0.006	O	|	|	|	0.03
86.000	0.00	0.00	0.006	O	|	|	|	0.03
86.083	0.00	0.00	0.006	O	|	|	|	0.03
86.167	0.00	0.00	0.006	O	|	|	|	0.03
86.250	0.00	0.00	0.006	O	|	|	|	0.03
86.333	0.00	0.00	0.006	O	|	|	|	0.03
86.417	0.00	0.00	0.006	O	|	|	|	0.03
86.500	0.00	0.00	0.006	O	|	|	|	0.03
86.583	0.00	0.00	0.006	O	|	|	|	0.03
86.667	0.00	0.00	0.006	O	|	|	|	0.03
86.750	0.00	0.00	0.006	O	|	|	|	0.03
86.833	0.00	0.00	0.006	O	|	|	|	0.03
86.917	0.00	0.00	0.006	O	|	|	|	0.03
87.000	0.00	0.00	0.006	O	|	|	|	0.03
87.083	0.00	0.00	0.006	O	|	|	|	0.03
87.167	0.00	0.00	0.006	O	|	|	|	0.03
87.250	0.00	0.00	0.006	O	|	|	|	0.03
87.333	0.00	0.00	0.006	O	|	|	|	0.03
87.417	0.00	0.00	0.006	O	|	|	|	0.03
87.500	0.00	0.00	0.006	O	|	|	|	0.03
87.583	0.00	0.00	0.006	O	|	|	|	0.03
87.667	0.00	0.00	0.006	O	|	|	|	0.03
87.750	0.00	0.00	0.006	O	|	|	|	0.03
87.833	0.00	0.00	0.006	O	|	|	|	0.03
87.917	0.00	0.00	0.006	O	|	|	|	0.03
88.000	0.00	0.00	0.006	O	|	|	|	0.03
88.083	0.00	0.00	0.006	O	|	|	|	0.03
88.167	0.00	0.00	0.006	O	|	|	|	0.03
88.250	0.00	0.00	0.005	O	|	|	|	0.03
88.333	0.00	0.00	0.005	O	|	|	|	0.03
88.417	0.00	0.00	0.005	O	|	|	|	0.03
88.500	0.00	0.00	0.005	O	|	|	|	0.03
88.583	0.00	0.00	0.005	O	|	|	|	0.03
88.667	0.00	0.00	0.005	O	|	|	|	0.03
88.750	0.00	0.00	0.005	O	|	|	|	0.03
88.833	0.00	0.00	0.005	O	|	|	|	0.03
88.917	0.00	0.00	0.005	O	|	|	|	0.03
89.000	0.00	0.00	0.005	O	|	|	|	0.03
89.083	0.00	0.00	0.005	O	|	|	|	0.03
89.167	0.00	0.00	0.005	O	|	|	|	0.03
89.250	0.00	0.00	0.005	O	|	|	|	0.03
89.333	0.00	0.00	0.005	O	|	|	|	0.03
89.417	0.00	0.00	0.005	O	|	|	|	0.03

89.500	0.00	0.00	0.005	O	|	|	|	|	0.03
89.583	0.00	0.00	0.005	O	|	|	|	|	0.03
89.667	0.00	0.00	0.005	O	|	|	|	|	0.03
89.750	0.00	0.00	0.005	O	|	|	|	|	0.03
89.833	0.00	0.00	0.005	O	|	|	|	|	0.03
89.917	0.00	0.00	0.005	O	|	|	|	|	0.03
90.000	0.00	0.00	0.005	O	|	|	|	|	0.03
90.083	0.00	0.00	0.005	O	|	|	|	|	0.03
90.167	0.00	0.00	0.005	O	|	|	|	|	0.03
90.250	0.00	0.00	0.005	O	|	|	|	|	0.03
90.333	0.00	0.00	0.005	O	|	|	|	|	0.03
90.417	0.00	0.00	0.005	O	|	|	|	|	0.03
90.500	0.00	0.00	0.005	O	|	|	|	|	0.03
90.583	0.00	0.00	0.005	O	|	|	|	|	0.03
90.667	0.00	0.00	0.005	O	|	|	|	|	0.03
90.750	0.00	0.00	0.005	O	|	|	|	|	0.03
90.833	0.00	0.00	0.005	O	|	|	|	|	0.03
90.917	0.00	0.00	0.005	O	|	|	|	|	0.03
91.000	0.00	0.00	0.005	O	|	|	|	|	0.03
91.083	0.00	0.00	0.005	O	|	|	|	|	0.03
91.167	0.00	0.00	0.005	O	|	|	|	|	0.03
91.250	0.00	0.00	0.005	O	|	|	|	|	0.03
91.333	0.00	0.00	0.005	O	|	|	|	|	0.03
91.417	0.00	0.00	0.005	O	|	|	|	|	0.03
91.500	0.00	0.00	0.005	O	|	|	|	|	0.03
91.583	0.00	0.00	0.005	O	|	|	|	|	0.03
91.667	0.00	0.00	0.005	O	|	|	|	|	0.03
91.750	0.00	0.00	0.005	O	|	|	|	|	0.02
91.833	0.00	0.00	0.005	O	|	|	|	|	0.02
91.917	0.00	0.00	0.004	O	|	|	|	|	0.02
92.000	0.00	0.00	0.004	O	|	|	|	|	0.02
92.083	0.00	0.00	0.004	O	|	|	|	|	0.02
92.167	0.00	0.00	0.004	O	|	|	|	|	0.02
92.250	0.00	0.00	0.004	O	|	|	|	|	0.02
92.333	0.00	0.00	0.004	O	|	|	|	|	0.02
92.417	0.00	0.00	0.004	O	|	|	|	|	0.02
92.500	0.00	0.00	0.004	O	|	|	|	|	0.02
92.583	0.00	0.00	0.004	O	|	|	|	|	0.02
92.667	0.00	0.00	0.004	O	|	|	|	|	0.02
92.750	0.00	0.00	0.004	O	|	|	|	|	0.02
92.833	0.00	0.00	0.004	O	|	|	|	|	0.02
92.917	0.00	0.00	0.004	O	|	|	|	|	0.02
93.000	0.00	0.00	0.004	O	|	|	|	|	0.02
93.083	0.00	0.00	0.004	O	|	|	|	|	0.02
93.167	0.00	0.00	0.004	O	|	|	|	|	0.02
93.250	0.00	0.00	0.004	O	|	|	|	|	0.02
93.333	0.00	0.00	0.004	O	|	|	|	|	0.02
93.417	0.00	0.00	0.004	O	|	|	|	|	0.02
93.500	0.00	0.00	0.004	O	|	|	|	|	0.02
93.583	0.00	0.00	0.004	O	|	|	|	|	0.02
93.667	0.00	0.00	0.004	O	|	|	|	|	0.02
93.750	0.00	0.00	0.004	O	|	|	|	|	0.02

93.833	0.00	0.00	0.004	O	|	|	|	|	0.02
93.917	0.00	0.00	0.004	O	|	|	|	|	0.02
94.000	0.00	0.00	0.004	O	|	|	|	|	0.02
94.083	0.00	0.00	0.004	O	|	|	|	|	0.02
94.167	0.00	0.00	0.004	O	|	|	|	|	0.02
94.250	0.00	0.00	0.004	O	|	|	|	|	0.02
94.333	0.00	0.00	0.004	O	|	|	|	|	0.02
94.417	0.00	0.00	0.004	O	|	|	|	|	0.02
94.500	0.00	0.00	0.004	O	|	|	|	|	0.02
94.583	0.00	0.00	0.004	O	|	|	|	|	0.02
94.667	0.00	0.00	0.004	O	|	|	|	|	0.02
94.750	0.00	0.00	0.004	O	|	|	|	|	0.02
94.833	0.00	0.00	0.004	O	|	|	|	|	0.02
94.917	0.00	0.00	0.004	O	|	|	|	|	0.02
95.000	0.00	0.00	0.004	O	|	|	|	|	0.02
95.083	0.00	0.00	0.004	O	|	|	|	|	0.02
95.167	0.00	0.00	0.004	O	|	|	|	|	0.02
95.250	0.00	0.00	0.004	O	|	|	|	|	0.02
95.333	0.00	0.00	0.004	O	|	|	|	|	0.02
95.417	0.00	0.00	0.004	O	|	|	|	|	0.02
95.500	0.00	0.00	0.004	O	|	|	|	|	0.02
95.583	0.00	0.00	0.004	O	|	|	|	|	0.02
95.667	0.00	0.00	0.004	O	|	|	|	|	0.02
95.750	0.00	0.00	0.004	O	|	|	|	|	0.02
95.833	0.00	0.00	0.004	O	|	|	|	|	0.02
95.917	0.00	0.00	0.004	O	|	|	|	|	0.02
96.000	0.00	0.00	0.004	O	|	|	|	|	0.02
96.083	0.00	0.00	0.004	O	|	|	|	|	0.02
96.167	0.00	0.00	0.004	O	|	|	|	|	0.02
96.250	0.00	0.00	0.004	O	|	|	|	|	0.02
96.333	0.00	0.00	0.004	O	|	|	|	|	0.02
96.417	0.00	0.00	0.004	O	|	|	|	|	0.02
96.500	0.00	0.00	0.004	O	|	|	|	|	0.02
96.583	0.00	0.00	0.003	O	|	|	|	|	0.02
96.667	0.00	0.00	0.003	O	|	|	|	|	0.02
96.750	0.00	0.00	0.003	O	|	|	|	|	0.02
96.833	0.00	0.00	0.003	O	|	|	|	|	0.02
96.917	0.00	0.00	0.003	O	|	|	|	|	0.02
97.000	0.00	0.00	0.003	O	|	|	|	|	0.02
97.083	0.00	0.00	0.003	O	|	|	|	|	0.02
97.167	0.00	0.00	0.003	O	|	|	|	|	0.02
97.250	0.00	0.00	0.003	O	|	|	|	|	0.02
97.333	0.00	0.00	0.003	O	|	|	|	|	0.02
97.417	0.00	0.00	0.003	O	|	|	|	|	0.02
97.500	0.00	0.00	0.003	O	|	|	|	|	0.02
97.583	0.00	0.00	0.003	O	|	|	|	|	0.02
97.667	0.00	0.00	0.003	O	|	|	|	|	0.02
97.750	0.00	0.00	0.003	O	|	|	|	|	0.02
97.833	0.00	0.00	0.003	O	|	|	|	|	0.02
97.917	0.00	0.00	0.003	O	|	|	|	|	0.02
98.000	0.00	0.00	0.003	O	|	|	|	|	0.02
98.083	0.00	0.00	0.003	O	|	|	|	|	0.02

98.167	0.00	0.00	0.003	O	|	|	|	0.02
98.250	0.00	0.00	0.003	O	|	|	|	0.02
98.333	0.00	0.00	0.003	O	|	|	|	0.02
98.417	0.00	0.00	0.003	O	|	|	|	0.02
98.500	0.00	0.00	0.003	O	|	|	|	0.02
98.583	0.00	0.00	0.003	O	|	|	|	0.02
98.667	0.00	0.00	0.003	O	|	|	|	0.02
98.750	0.00	0.00	0.003	O	|	|	|	0.02
98.833	0.00	0.00	0.003	O	|	|	|	0.02
98.917	0.00	0.00	0.003	O	|	|	|	0.02
99.000	0.00	0.00	0.003	O	|	|	|	0.02
99.083	0.00	0.00	0.003	O	|	|	|	0.02
99.167	0.00	0.00	0.003	O	|	|	|	0.02
99.250	0.00	0.00	0.003	O	|	|	|	0.02
99.333	0.00	0.00	0.003	O	|	|	|	0.02
99.417	0.00	0.00	0.003	O	|	|	|	0.02
99.500	0.00	0.00	0.003	O	|	|	|	0.02
99.583	0.00	0.00	0.003	O	|	|	|	0.02
99.667	0.00	0.00	0.003	O	|	|	|	0.02
99.750	0.00	0.00	0.003	O	|	|	|	0.02
99.833	0.00	0.00	0.003	O	|	|	|	0.02
99.917	0.00	0.00	0.003	O	|	|	|	0.02
100.000	0.00	0.00	0.003	O	|	|	|	0.02
100.083	0.00	0.00	0.003	O	|	|	|	0.02
100.167	0.00	0.00	0.003	O	|	|	|	0.02
100.250	0.00	0.00	0.003	O	|	|	|	0.02
100.333	0.00	0.00	0.003	O	|	|	|	0.02
100.417	0.00	0.00	0.003	O	|	|	|	0.02
100.500	0.00	0.00	0.003	O	|	|	|	0.02
100.583	0.00	0.00	0.003	O	|	|	|	0.02
100.667	0.00	0.00	0.003	O	|	|	|	0.02
100.750	0.00	0.00	0.003	O	|	|	|	0.02
100.833	0.00	0.00	0.003	O	|	|	|	0.02
100.917	0.00	0.00	0.003	O	|	|	|	0.02
101.000	0.00	0.00	0.003	O	|	|	|	0.02
101.083	0.00	0.00	0.003	O	|	|	|	0.01
101.167	0.00	0.00	0.003	O	|	|	|	0.01
101.250	0.00	0.00	0.003	O	|	|	|	0.01
101.333	0.00	0.00	0.003	O	|	|	|	0.01
101.417	0.00	0.00	0.003	O	|	|	|	0.01
101.500	0.00	0.00	0.003	O	|	|	|	0.01
101.583	0.00	0.00	0.003	O	|	|	|	0.01
101.667	0.00	0.00	0.003	O	|	|	|	0.01
101.750	0.00	0.00	0.003	O	|	|	|	0.01
101.833	0.00	0.00	0.003	O	|	|	|	0.01
101.917	0.00	0.00	0.003	O	|	|	|	0.01
102.000	0.00	0.00	0.003	O	|	|	|	0.01
102.083	0.00	0.00	0.003	O	|	|	|	0.01
102.167	0.00	0.00	0.003	O	|	|	|	0.01
102.250	0.00	0.00	0.003	O	|	|	|	0.01
102.333	0.00	0.00	0.003	O	|	|	|	0.01
102.417	0.00	0.00	0.003	O	|	|	|	0.01

102.500	0.00	0.00	0.003	O	|	|	|	|	0.01
102.583	0.00	0.00	0.003	O	|	|	|	|	0.01
102.667	0.00	0.00	0.003	O	|	|	|	|	0.01
102.750	0.00	0.00	0.002	O	|	|	|	|	0.01
102.833	0.00	0.00	0.002	O	|	|	|	|	0.01
102.917	0.00	0.00	0.002	O	|	|	|	|	0.01
103.000	0.00	0.00	0.002	O	|	|	|	|	0.01
103.083	0.00	0.00	0.002	O	|	|	|	|	0.01
103.167	0.00	0.00	0.002	O	|	|	|	|	0.01
103.250	0.00	0.00	0.002	O	|	|	|	|	0.01
103.333	0.00	0.00	0.002	O	|	|	|	|	0.01
103.417	0.00	0.00	0.002	O	|	|	|	|	0.01
103.500	0.00	0.00	0.002	O	|	|	|	|	0.01
103.583	0.00	0.00	0.002	O	|	|	|	|	0.01
103.667	0.00	0.00	0.002	O	|	|	|	|	0.01
103.750	0.00	0.00	0.002	O	|	|	|	|	0.01
103.833	0.00	0.00	0.002	O	|	|	|	|	0.01
103.917	0.00	0.00	0.002	O	|	|	|	|	0.01
104.000	0.00	0.00	0.002	O	|	|	|	|	0.01
104.083	0.00	0.00	0.002	O	|	|	|	|	0.01
104.167	0.00	0.00	0.002	O	|	|	|	|	0.01
104.250	0.00	0.00	0.002	O	|	|	|	|	0.01
104.333	0.00	0.00	0.002	O	|	|	|	|	0.01
104.417	0.00	0.00	0.002	O	|	|	|	|	0.01
104.500	0.00	0.00	0.002	O	|	|	|	|	0.01
104.583	0.00	0.00	0.002	O	|	|	|	|	0.01
104.667	0.00	0.00	0.002	O	|	|	|	|	0.01
104.750	0.00	0.00	0.002	O	|	|	|	|	0.01
104.833	0.00	0.00	0.002	O	|	|	|	|	0.01
104.917	0.00	0.00	0.002	O	|	|	|	|	0.01
105.000	0.00	0.00	0.002	O	|	|	|	|	0.01
105.083	0.00	0.00	0.002	O	|	|	|	|	0.01
105.167	0.00	0.00	0.002	O	|	|	|	|	0.01
105.250	0.00	0.00	0.002	O	|	|	|	|	0.01
105.333	0.00	0.00	0.002	O	|	|	|	|	0.01
105.417	0.00	0.00	0.002	O	|	|	|	|	0.01
105.500	0.00	0.00	0.002	O	|	|	|	|	0.01
105.583	0.00	0.00	0.002	O	|	|	|	|	0.01
105.667	0.00	0.00	0.002	O	|	|	|	|	0.01
105.750	0.00	0.00	0.002	O	|	|	|	|	0.01
105.833	0.00	0.00	0.002	O	|	|	|	|	0.01
105.917	0.00	0.00	0.002	O	|	|	|	|	0.01
106.000	0.00	0.00	0.002	O	|	|	|	|	0.01
106.083	0.00	0.00	0.002	O	|	|	|	|	0.01
106.167	0.00	0.00	0.002	O	|	|	|	|	0.01
106.250	0.00	0.00	0.002	O	|	|	|	|	0.01
106.333	0.00	0.00	0.002	O	|	|	|	|	0.01
106.417	0.00	0.00	0.002	O	|	|	|	|	0.01
106.500	0.00	0.00	0.002	O	|	|	|	|	0.01
106.583	0.00	0.00	0.002	O	|	|	|	|	0.01
106.667	0.00	0.00	0.002	O	|	|	|	|	0.01
106.750	0.00	0.00	0.002	O	|	|	|	|	0.01

106.833	0.00	0.00	0.002	O	|	|	|	|	0.01
106.917	0.00	0.00	0.002	O	|	|	|	|	0.01
107.000	0.00	0.00	0.002	O	|	|	|	|	0.01
107.083	0.00	0.00	0.002	O	|	|	|	|	0.01
107.167	0.00	0.00	0.002	O	|	|	|	|	0.01
107.250	0.00	0.00	0.002	O	|	|	|	|	0.01
107.333	0.00	0.00	0.002	O	|	|	|	|	0.01
107.417	0.00	0.00	0.002	O	|	|	|	|	0.01
107.500	0.00	0.00	0.002	O	|	|	|	|	0.01
107.583	0.00	0.00	0.002	O	|	|	|	|	0.01
107.667	0.00	0.00	0.002	O	|	|	|	|	0.01
107.750	0.00	0.00	0.002	O	|	|	|	|	0.01
107.833	0.00	0.00	0.002	O	|	|	|	|	0.01
107.917	0.00	0.00	0.002	O	|	|	|	|	0.01
108.000	0.00	0.00	0.002	O	|	|	|	|	0.01
108.083	0.00	0.00	0.002	O	|	|	|	|	0.01
108.167	0.00	0.00	0.002	O	|	|	|	|	0.01
108.250	0.00	0.00	0.002	O	|	|	|	|	0.01
108.333	0.00	0.00	0.002	O	|	|	|	|	0.01
108.417	0.00	0.00	0.002	O	|	|	|	|	0.01
108.500	0.00	0.00	0.002	O	|	|	|	|	0.01
108.583	0.00	0.00	0.002	O	|	|	|	|	0.01
108.667	0.00	0.00	0.002	O	|	|	|	|	0.01
108.750	0.00	0.00	0.002	O	|	|	|	|	0.01
108.833	0.00	0.00	0.002	O	|	|	|	|	0.01
108.917	0.00	0.00	0.002	O	|	|	|	|	0.01
109.000	0.00	0.00	0.002	O	|	|	|	|	0.01
109.083	0.00	0.00	0.002	O	|	|	|	|	0.01
109.167	0.00	0.00	0.002	O	|	|	|	|	0.01
109.250	0.00	0.00	0.002	O	|	|	|	|	0.01
109.333	0.00	0.00	0.002	O	|	|	|	|	0.01
109.417	0.00	0.00	0.002	O	|	|	|	|	0.01
109.500	0.00	0.00	0.002	O	|	|	|	|	0.01
109.583	0.00	0.00	0.002	O	|	|	|	|	0.01
109.667	0.00	0.00	0.002	O	|	|	|	|	0.01
109.750	0.00	0.00	0.002	O	|	|	|	|	0.01
109.833	0.00	0.00	0.002	O	|	|	|	|	0.01
109.917	0.00	0.00	0.002	O	|	|	|	|	0.01
110.000	0.00	0.00	0.002	O	|	|	|	|	0.01
110.083	0.00	0.00	0.002	O	|	|	|	|	0.01
110.167	0.00	0.00	0.002	O	|	|	|	|	0.01
110.250	0.00	0.00	0.002	O	|	|	|	|	0.01
110.333	0.00	0.00	0.002	O	|	|	|	|	0.01
110.417	0.00	0.00	0.002	O	|	|	|	|	0.01
110.500	0.00	0.00	0.002	O	|	|	|	|	0.01
110.583	0.00	0.00	0.002	O	|	|	|	|	0.01
110.667	0.00	0.00	0.002	O	|	|	|	|	0.01
110.750	0.00	0.00	0.002	O	|	|	|	|	0.01
110.833	0.00	0.00	0.002	O	|	|	|	|	0.01
110.917	0.00	0.00	0.002	O	|	|	|	|	0.01
111.000	0.00	0.00	0.002	O	|	|	|	|	0.01
111.083	0.00	0.00	0.002	O	|	|	|	|	0.01

```
111.167    0.00    0.00      0.002  O       |       |       |       |     0.01
111.250    0.00    0.00      0.002  O       |       |       |       |     0.01
111.333    0.00    0.00      0.002  O       |       |       |       |     0.01
111.417    0.00    0.00      0.002  O       |       |       |       |     0.01
111.500    0.00    0.00      0.002  O       |       |       |       |     0.01
111.583    0.00    0.00      0.002  O       |       |       |       |     0.01
111.667    0.00    0.00      0.002  O       |       |       |       |     0.01
111.750    0.00    0.00      0.002  O       |       |       |       |     0.01
111.833    0.00    0.00      0.002  O       |       |       |       |     0.01
111.917    0.00    0.00      0.002  O       |       |       |       |     0.01

        ****************************HYDROGRAPH DATA****************************
                       Number of intervals =  1343
                       Time interval =    5.0 (Min.)
                       Maximum/Peak flow rate =        2.013 (CFS)
                       Total volume =       1.400 (Ac.Ft)
               Status of hydrographs being held in storage
                          Stream 1  Stream 2  Stream 3  Stream 4  Stream 5
               Peak (CFS)      0.000     0.000     0.000     0.000     0.000
               Vol (Ac.Ft)      0.000     0.000     0.000     0.000     0.000
        ***********************************************************************

        ---------------------------------------------------------------------
```

DEVELOPED KEY MAP..... E

AREA C=1.97 ac.
Q_{100}=3.7 cfs, Tc=18.6 min.

AREA A=7.20 ac.
Q_{100}=16.9 cfs, Tc=11.1 min.

AREA B=4.81 ac.
Q_{100}=11.0 cfs, Tc=10.7 min.

LEGEND:

- TRACT BOUNDARY
- MAJOR DRAINAGE MANAGEMENT AREA BOUNDARY
- MINOR DRAINAGE MANAGEMENT AREA BOUNDARY
- FLOW PATH
- AREA ID / ACRES — DRAINAGE MANAGEMENT AREA AND SUBAREA LABEL
- PROPOSED STORM DRAIN
- NODE / FLOWLINE / INV. EL. — HYDROLOGY NODE AND ELEVATION

40' 0 40' 80' 120'

SCALE: 1"=40'

PREPARED BY (CIVIL ENGINEER):

SP2 & Co.
A LAND DEVELOPMENT SERVICES COMPANY
451 W LAMBERT RD. STE 216
BREA, CA 92821
PHONE: (714) 490-1500
"SERVING THE DEVELOPMENT COMMUNITY SINCE 1985"

CITY OF PERRIS, CALIFORNIA

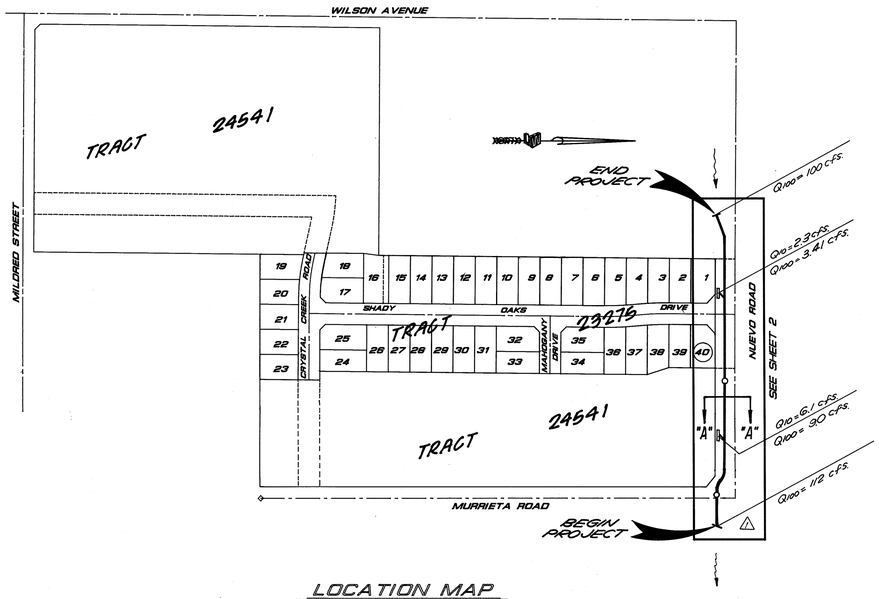
TTM No. 38775
WQMP SITE PLAN

9/14/2023

EXCERPTS

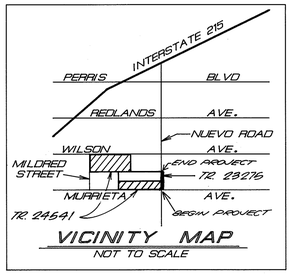
LINE L STORM DRAIN PLANS ..... EXCERPT A

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT



LOCATION MAP
1" = 200'

0 100' 200' 300' 400'



VICINITY MAP
NOT TO SCALE

GENERAL NOTES

1. ALL ELEVATIONS SHOWN ARE IN FEET BASED ON U.S.C. & G.S. DATUM.
2. TIES TO CATCH BASINS ARE FROM CURB RETURN TO CENTERLINE OF THE CATCH BASIN UNLESS OTHERWISE SHOWN. WHERE NO TIE IS SHOWN THE LOCAL DEPRESSION SHALL START AT THE CURB RETURN.
3. CONTRACTOR TO PROVIDE COLLAR PER STD. M803 AT VERTICAL ANGLE POINTS OF LATERALS WHERE CHANGE OF GRADE EXCEEDS 0.10 FT/FT.
4. 48 HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT.
5. ALL CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
6. ELEVATIONS OF THE UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.
7. ALL CONNECTOR PIPES TIED TO CATCH BASINS ARE AT THE FACE OF THE CURB AT THE CENTERLINE OF THE BASIN, UNLESS OTHERWISE NOTED.
8. ALL STATIONING REFERS TO CENTERLINE CONSTRUCTION.
9. THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S SPECIAL PROVISIONS AND DETAILED SPECIFICATIONS DATED SEPTEMBER 1984, AND DESIGN MANUAL STANDARD DRAWINGS DATED MAY 1971.
10. △ CONSTRUCTION INSPECTION WILL BE PERFORMED BY RIVERSIDE COUNTY FLOOD CONTROL CONTACT LEONARD DUNN AT (714) 787-1263. THE DISTRICT MUST BE NOTIFIED TWO WEEKS PRIOR TO CONSTRUCTION.
11. STATIONING FOR LATERALS AND CONNECTOR PIPE REFER TO THE CENTERLINE-CENTERLINE INTERSECTION STATION.
12. THE FOLLOWING ITEMS ARE TO BE INSPECTED AND MAINTAINED BY RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT.
    A. 48" x 76" ELLIPTICAL R.C.P. FROM STA. 16+76.91 TO STA. 25+51.81 AS SHOWN ON SHEET 2.
    B. ALL MANHOLES AND OTHER STRUCTURES REQUIRED TO COMPLETE THE CONSTRUCTION OF THE ABOVE MENTIONED MAINLINE PIPE.
13. ALL RIP-RAP IS TO BE PLACED PER CAL-TRANS STANDARD SPECIFICATIONS - SECTION 72 (METHOD B.)

SHEET INDEX

	PAGE
TITLE SHEET	1
PLAN AND PROFILE OF LINE "L"	2

R.C.F.C. & W.C.D. STANDARD DRAWINGS

CB100	CATCH BASIN NO. 1
CB103	MANHOLE FRAME & COVER FOR CATCH BASINS
CB105	DETAIL OF CATCH BASIN OPENING
CB106	CATCH BASIN REINFORCEMENT
LD201	LOCAL DEPRESSION NO. 2 (CASE C)
JS229	JUNCTION STRUCTURE NO. 4 (CASE 1)
MH252	MANHOLE NO.2
MH255	MANHOLE FRAME & COVER
MH259	STANDARD DROP STEP
M803	CONCRETE COLLAR

REGISTERED PROFESSIONAL ENGINEER RUSSELL E. STARP No. 28248 Exp. 3-31-90 CIVIL STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER FRANK J. FERRERA No. 21809 Exp. 9/30/93 CIVIL STATE OF CALIFORNIA

AS BUILT
APPROVED BY: C.B.S.
DATE 3/10/92

NOTICE : THE CONTRACTOR SHALL NOTIFY THE CITY (OR DISTRICT, AS APPROPRIATE) IN WRITING A MINIMUM OF TWO WEEKS BEFORE BEGINNING CONSTRUCTION, AND SHALL NOT BEGIN CONSTRUCTION BEFORE OBTAINING AUTHORIZATION TO PROCEED.

DESIGNED BY: NICK
DRAWN BY: MICK, VICK
DATE DRAWN: 9-14-89
CHECKED BY: BERNIE

L A WAINSCOTT & ASSOCIATES, INC.
LAND PLANNERS • CIVIL ENGINEERS • LAND SURVEYORS
22400 BARTON ROAD, SUITE 200, GRAND TERRACE, CA. 92324
TELEPHONE (714) 824-1775
APPROVED BY Russell E. Starp DATE 3/29/89
R.C.E. 28248

W.O. 605.06 for VAN DRELE DEVELOPMENT CO.

BENCH MARK
ELEV. = 1421.33
FD. 1" I.P. WITH P.K. CD. SURVEYOR TAG IN MONUMENT WELL AT THE CENTERLINE INTERSECTION OF NUEVO ROAD AND MURRIETA ROAD (DN. 8°)
RIVERSIDE CO. B.M. M-28-1

REVISIONS			
△	NOTED TR 24541 CREDIT LIMITS	C.C.	3/15/90
	& G.D. REALIGNMENT (I.I.K. 3/14/90)		
REF.	DESCRIPTION	APPR.	DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY: Frank J. Ferrera
PLANNING ENGINEER R.E. NO. 21809
DATE: 12/12/89

APPROVED BY: Kenneth A. Edwards
CHIEF ENGINEER R.E. NO. 12400
DATE: 12-19-89

CITY OF PERRIS
APPROVED BY: Hal Toy
CITY ENGINEER
DATE: 12-22-89

LINE "L" PERRIS VALLEY A.D.P.
NUEVO ROAD
STA. 16+76.91 TO STA. 21+33.54
TRACT NO. 24541
STA. 21+33.54 TO STA. 25+51.81
TRACT NO. 23276
TITLE SHEET

PROJECT NO. 4-0-510
DRAWING NO. 4-554
SHEET NO. 1 OF 2

605.06

*NOTE-
TRENCH BACKFILL SLURRY TO ELIPTICAL PIPE SPRINGLINE WITH CLASS 100-E SLURRY MIX PER STD SPEC FOR PUBLIC WORKS CONST. (GREEN BOOK)

PROFILE SCALE
HORIZ.: 1"=40'
VERT.: 1"=4'

△ PROFILE OF LATERAL "1"
SCALE: 1"=5'
Q=90 cfs
V=5.1 fps

△ PROFILE OF LATERAL "2"
SCALE: 1"=5'
Q=90 cfs
V=4.7 fps

PROPOSED PROFILE OVER PIPE

EXISTING NATURAL GROUND OVER PIPE

LIGHT CLASS RIP-RAP PLACED PER CAL-TRANS SPECIFICATIONS SEC. 72 (METHOD B)

FACING CLASS RIP-RAP PLACED PER CAL-TRANS SPECIFICATION SEC. 72 (METHOD B)

△ INSTALL 318.51 L.F. OF 48"x76" ELLIPTICAL R.C.P. (900-D)

INSTALL 448.43 L.F. OF 48"x76" ELLIPTICAL R.C.P. (900-D)

Q=112 cfs
V=5.7 fps

Q=103 cfs
V=5.2 fps

Q=100 cfs
V=5.1 fps

MURRIETA ROAD

TRACT Nº 24541

TRACT Nº 23275

SHADY OAKS DRIVE

NUEVO ROAD

SCALE: 1"=40'

REMOVE EXISTING 48"-D CULVERT AND DELIVER TO CITY YARD (CALL 657-3280) (TYP/CAL OF 3)

CONSTRUCT TEMPORARY HEADWALL PER CAL-TRANS STD. Nº D90 (TYPE C)

FUTURE STORM DRAIN ALIGNMENT

LATERAL "1"
INSTALL 156.86 L.F. OF 18"-D RCP, CL. III.
N. 45°21'11"E.
SEE PROFILE ABOVE.

LATERAL "2"
INSTALL 15.56 L.F. OF 18"-D RCP, CL. III.
N. 45°21'11"E.
SEE PROFILE ABOVE

PROP. 24" RCP STORM DRAIN NUEVO APTS

EXISTING CHANNEL TO REMAIN IN USE UNTIL PROPOSED PIPE IS COMPLETED THEN BACKFILLED TO LIMITS OF RIP-RAP

CONSTRUCT TEMPORARY HEADWALL PER CAL-TRANS STD. Nº D90 (TYPE C)

EXISTING CHANNEL

CURVE DATA
① Δ = 29°55'35"
R = 45.00'
L = 23.50'
T = 12.03'

AS BUILT
APPROVED BY: DBK
DATE 3/10/92

REGISTERED PROFESSIONAL ENGINEER — RUSSELL E. SHARP — No. 28248 Exp. 3-31-90 — CIVIL — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — FRANK J. PEATES — No. 21809 EXP. 9/30/93 — CIVIL — STATE OF CALIFORNIA

NOTE FOR FUTURE CONSTRUCTION

△ ⑥ THE REACH FROM STATION 24+90 TO 25+52.18 TEMPORARY AND SHALL BE REMOVED AND RELAID TO ELIMINATE THE EXCESSIVE ANGLE POINT WHEN THE DRAIN IS EXTENDED BY OTHERS.

CONSTRUCTION NOTES

1. CONCRETE COLLAR PER R.C.F.C.D. STD. Nº M903
2. JUNCTION STRUCTURE Nº 4 PER R.C.F.C.D. STD. Nº JS229, CASE I.
3. CATCH BASIN Nº 1 PER R.C.F.C.D. STD. Nº CB100, "W"& "V" PER PLAN.
4. MANHOLE Nº 2 PER R.C.F.C.D. STD. Nº MH252.
5. LOCAL DEPRESSION Nº 2 PER R.C.F.C.D. STD. Nº LD201, CASE C.

△ SECTION AT STA. 20+00
SCALE: 1"=10'

EP-4-0-051030SS
Construct a 24" diameter RCP Storm drain Connection To Perris Valley MDP line L
March 5, 2007

DESIGNED BY: BERNIE	L A WAINSCOTT & ASSOCIATES, INC.
DRAWN BY: MICHELLE	LAND PLANNERS • CIVIL ENGINEERS • LAND SURVEYORS
DATE DRAWN: 8-14-89	22400 BARTON ROAD, SUITE 200, GRAND TERRACE, CA. 92324
CHECKED BY: RUSS	TELEPHONE (714) 824-1775
	APPROVED BY Lawrence E. Wainscott DATE 9/29/89 R.C.E. 28248
	R.S. ____ for VAN DAELE DEVELOPMENT, ____

BENCH MARK
ELEV = 1421.33
F.D. 1" I.P. WITH R.I.V. CO. SURVEYOR TAG IN MONUMENT WELL AT THE CENTERLINE INTERSECTION OF NUEVO ROAD AND MURRIETA ROAD (N.W.)
RIVERSIDE CO. B.M. 11-26-1

REVISIONS			
△	NOTED TR.M. 24691 CREDIT LIMITED & S.D. REALIGNMENT (U.K. 318/90)	C.C.	3/15/90
REF.	DESCRIPTION	APPR.	DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY: Frank J. Peates
PLANNING ENGINEER R.E. NO. 21809
DATE: 12/12/89
APPROVED BY: ____
CHIEF ENGINEER R.E. NO. 12400
DATE: ____

CITY OF PERRIS
APPROVED BY: H. Winton
CITY ENGINEER
DATE: 12-22-89

LINE "L" PERRIS VALLEY A.D.P.
NUEVO ROAD
STA. 16+76.81 TO STA. 21+33.54
TRACT NO. 24541
STA. 21+33.54 TO STA. 26+51.81
TRACT NO. 23275

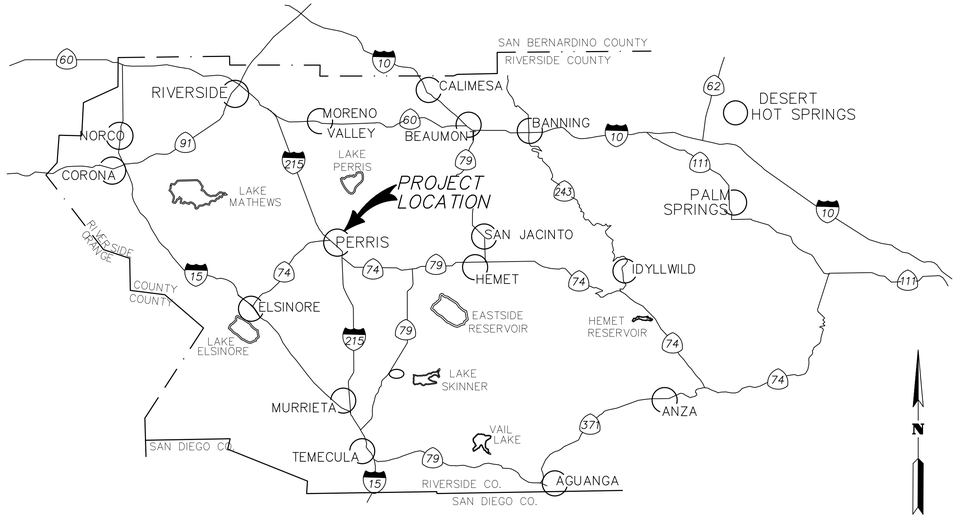
PROJECT NO. 4-0-510
DRAWING NO. 4-554
SHEET NO. 2 OF 2

605.06

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

GENERAL NOTES

1. THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S M.O.U STANDARD SPECIFICATIONS DATED JUNE 24,2008, AND RCFC&WCD STANDARD MANUAL. FOR THE LATEST DRAWINGS OF THE STANDARD MANUAL, PLEASE REFER TO THE "PUBLICATIONS AND RECORDS: PAGE FOUND ON THE DISTRICT'S WEBSITE.
2. CONTACT THE ENCROACHMENT PERMIT ENGINEER AT 951.955.1266 IF AN ENCROACHMENT PERMIT IS REQUIRED FROM RIVERSIDE COUNTY FLOOD CONTROL. AFTER THE PERMIT IS ISSUED THE DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO CONSTRUCTION.
3. CONTACT CONTRACT ADMINISTRATION AT 951.955.1288 IF CONSTRUCTION INSPECTION WILL BE PERFORMED BY RIVERSIDE COUNTY FLOOD CONTROL. THE DISTRICT MUST BE NOTIFIED TWENTY DAYS (20) PRIOR TO CONSTRUCTION.
4. ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
5. STATIONING FOR LATERALS AND CONNECTOR PIPE REFER TO THE CENTERLINE INTERSECTION STATIONS.
6. FORTY-EIGHT HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT 1.800.227.2600.
7. ALL ELEVATIONS SHOWN ARE IN FEET AND DECIMALS THEREOF BASED ON THE NATIONAL GEODETIC VERTICAL DATUM (NGVD29)
8. PROJECT HAS BEEN ESTABLISHED USING A LOCAL COORDINATE AND THE CENTERLINE OF NUEVO ROAD ESTABLISHED BY THE CITY OF PERRIS. PROJECT IS NOT ON STATE PLANE COORDINATE SYSTEM.
9. ALL CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
10. ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.
11. UNLESS OTHERWISE SPECIFIED, MINIMUM STREET RECONSTRUCTION SHALL BE 4" TYPE "B" HOT MIX ASPHALT OVER 6" CLASS 2 AGGREGATE BASE OR AS SPECIFIED BY THE ENGINEER.
12. OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS "B" CONCRETE.
13. PIPE CONNECTED TO THE MAINLINE PIPE SHALL CONFORM TO JUNCTION STRUCTURE NO. 4 (JS 229) UNLESS OTHERWISE NOTED.
14. PIPE BEDDING SHALL CONFORM TO RCFC&WCD STD. DWG. NO. M815 EXCEPT FOR COVER <2 FEET. FOR COVER <2 FEET, CONCRETE SLURRY (2000 PSI) SHALL BE USED. THE ENTIRE TRENCH SHALL BE SLURRY EXTENDING 4 INCHES MINIMUM AND 12 INCHES MAXIMUM ABOVE THE TOP OF THE PIPE.
15. BH-1 INDICATES SOIL BORING LOCATIONS BASED ON THE SOILS REPORT DATED 8-10-15, LOCATIONS SHOWN ARE APPROXIMATE.
16. "V" IS THE DEPTH OF CATCH BASINS MEASURED FROM THE TOP OF CURB TO INVERT OF CONNECTOR PIPE.
17. CATCH BASINS SHALL BE LOCATED SO THAT LOCAL DEPRESSION SHALL BEGIN AT EXISTING CURB RETURN JOINT, UNLESS OTHERWISE SPECIFIED.
18. ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.
19. STANDARD DRAWINGS CALLED FOR ON THE PLAN AND PROFILE SHALL CONFORM TO DISTRICT STANDARD DRAWINGS UNLESS NOTED OTHERWISE.
20. THE CONTRACTOR IS REQUIRED TO CALL ALL UTILITY AGENCIES REGARDING TEMPORARY SHORING AND SUPPORT REQUIREMENTS FOR THE VARIOUS UTILITY LINES SHOWN ON THESE PLANS.
21. DURING ROUGH GRADING OPERATIONS AND PRIOR TO CONSTRUCTION OF PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL SHOULD BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO ADJACENT PROPERTIES.
22. APPROVAL OF THESE PLANS BY THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT DOES NOT RELIEVE THE DEVELOPER'S ENGINEER OF RESPONSIBILITY FOR THE ENGINEERING DESIGN. IF FIELD CHANGES ARE REQUIRED, IT WILL BE THE RESPONSIBILITY OF THE DESIGN ENGINEER TO MAKE THE NECESSARY CORRECTIONS.
23. THE CONTRACTOR OR DEVELOPER SHALL SECURE ALL REQUIRED ENCROACHMENT AND/OR STATE AND FEDERAL REGULATORY PERMITS PRIOR TO THE COMMENCEMENT OF ANY WORK.
24. THE CONCRETE COATING ON THE INSIDE OF ALL REINFORCED CONCRETE PIPES MUST BE INCREASED TO PROVIDE A MINIMUM OF 1-1/2 INCHES OVER THE REINFORCING AND INCREASED TO A MINIMUM OF 3-1/2 INCHES OVER REINFORCING FOR BOX CULVERT, WHEN DESIGN VELOCITIES EXCEED 20 FEET PER SECOND. THE CONCRETE DESIGN STRENGTH IN THESE REACHES SHALL BE F'C=5,000 PSI FOR VELOCITIES EXCEEDING 20 FEET PER SECOND AND F'C=6,000 PSI FOR VELOCITIES EXCEEDING 30 FEET PER SECOND.
25. CONTRACTOR SHALL UTILIZE TYPICAL PIPE TRENCH SECTION ON SHEET 2 AND LATERAL Q-14 TRENCH SECTION ON SHEET 4 FOR CONSTRUCTION AND INSTALLATION OF PIPES.



VICINITY MAP

INDEX

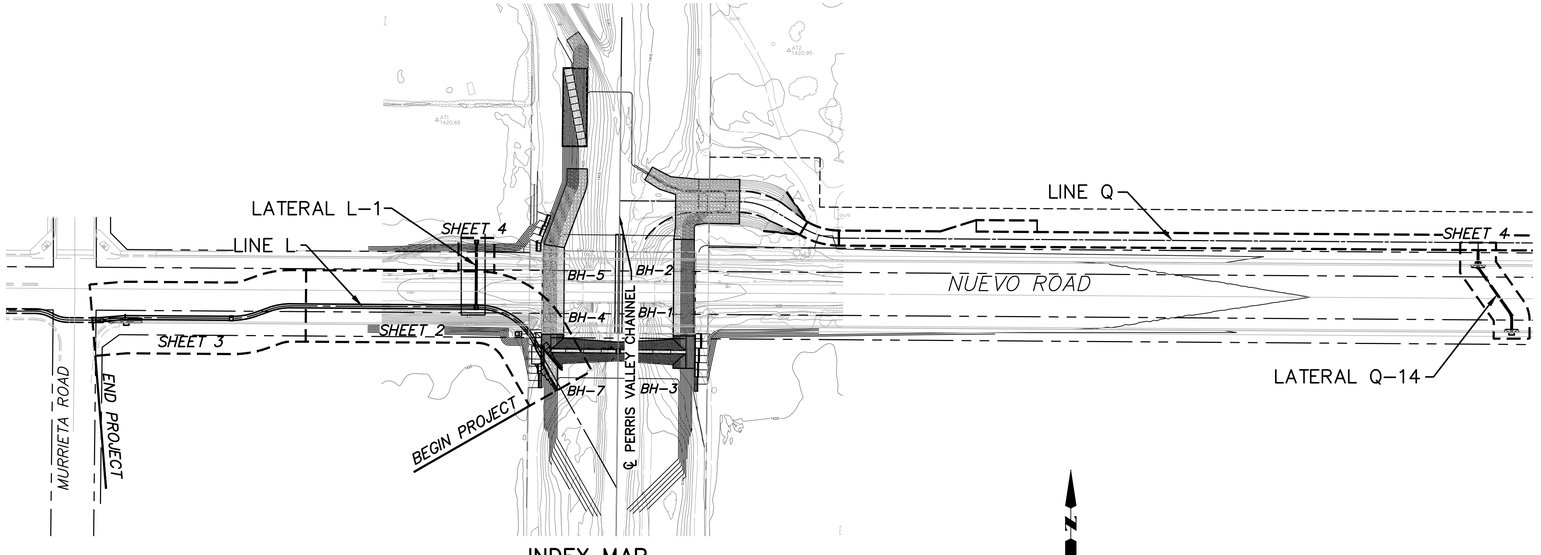
TITLE SHEET	1
MDP LINE "L" PLAN AND PROFILE	2-3
NUEVO ROAD STORM DRAIN PLAN AND PROFILE	4
CHANNEL DEMOLITION PLAN	5
CHANNEL PLAN	6
GRADING PLAN	7
STREAM GAGE PLAN AND DETAILS	8
CHANNEL CROSS SECTIONS	9
RETAINING WALL PLANS AND PROFILES	10-12
RETAINING WALL DETAILS	13-14
HEADWALL DETAILS	15

RCFC & WCD STANDARD DRAWINGS

CB 100	CATCH BASIN NO. 1
CB 110	CONCRETE DROP INLET
LD 201	LOCAL DEPRESSION CASE "C"
JS 229	JUNCTION STRUCTURE NO. 4
MH 252	MANHOLE NO. 2
M 803	CONCRETE COLLAR

CALTRANS STANDARD DRAWINGS

D90	PIPE CULVERT WINGWALL



INDEX MAP
1"=100'

MS179

BASIS OF BEARING:
BASIS OF BEARINGS IS TAKEN FROM THE CENTERLINE OF MURRIETA ROAD FROM SAN JACINTO AVENUE TO NUEVO ROAD AS CALCULATED PER M.B. 42/42-47. BEING N 00°12'43" W.

UNDERGROUND SERVICE ALERT
DIG ALERT
Call: TOLL FREE 1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

SEAL-ENGINEER
REGISTERED PROFESSIONAL ENGINEER JOSEPH L. CASTANEDA NO. 59835 CIVIL STATE OF CALIFORNIA

JLC Engineering & Consulting, Inc.
41660 IVY STREET, SUITE A, MURRIETA, CA 92562
PH. 951.304.9552 FAX 951.304.3568
JOSEPH L. CASTANEDA R.C.E. 59835 DATE

BENCHMARK:
RIVERSIDE COUNTY BENCHMARK M-26-1. 1" I.P. TAGGED "RIV. CO. SURVEYOR" IN CAPPED WELL, DN. 0.7', AT THE CENTERLINE INTERSECTION OF NUEVO ROAD AND MURRIETA ROAD. NGVD 29 ELEVATION = 1421.325

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE

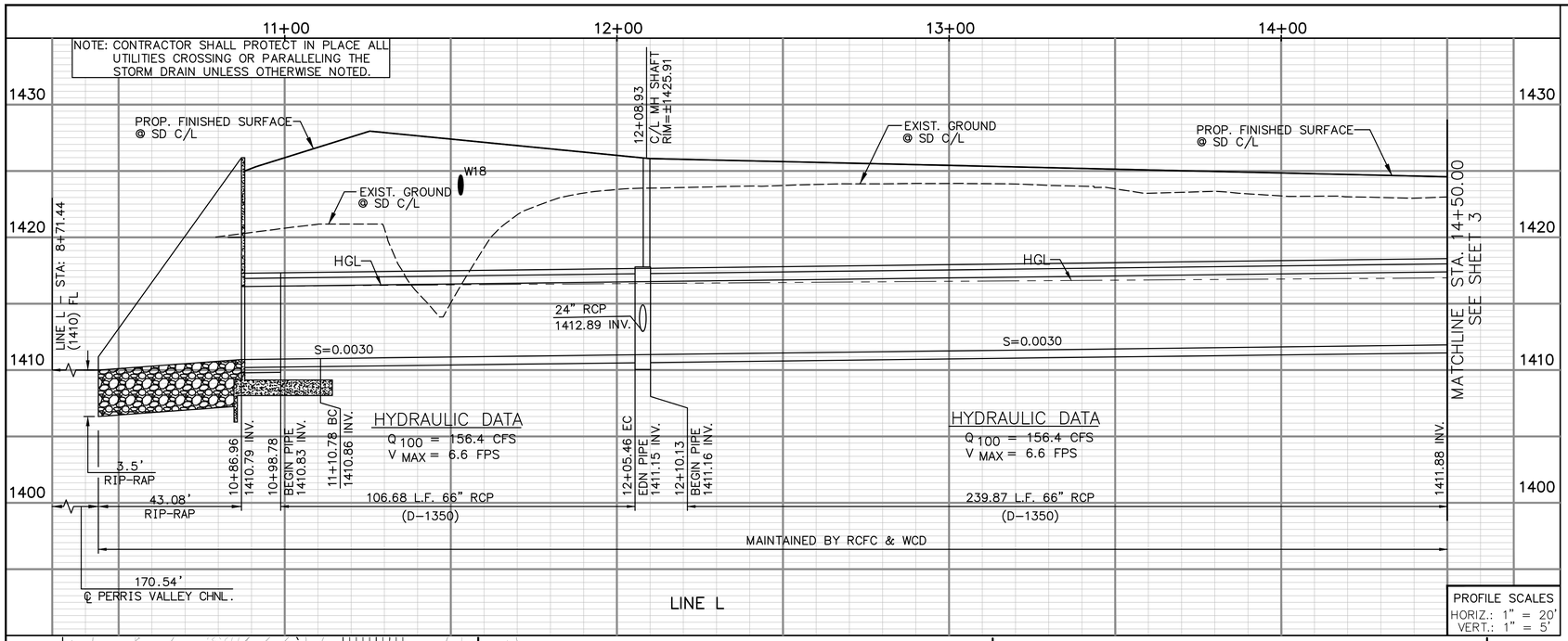
CITY OF PERRIS
REVIEWED BY:
CITY ENGINEER
DATE:

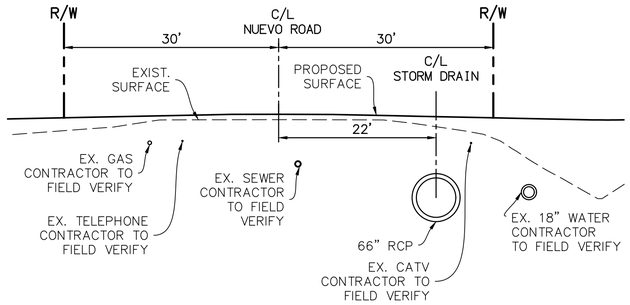
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY:
CHIEF OF PLANNING:
DATE:
APPROVED BY:
GENERAL MANAGER-CHIEF ENGINEER:
DATE:

PERRIS VALLEY MDP
LINE L STAGE 2
"NUEVO ROAD BRIDGE IMPROVEMENTS"
TITLE SHEET

PROJECT NO. 4-0-00510
DRAWING NO. 4-1144
SHEET 1 OF 15

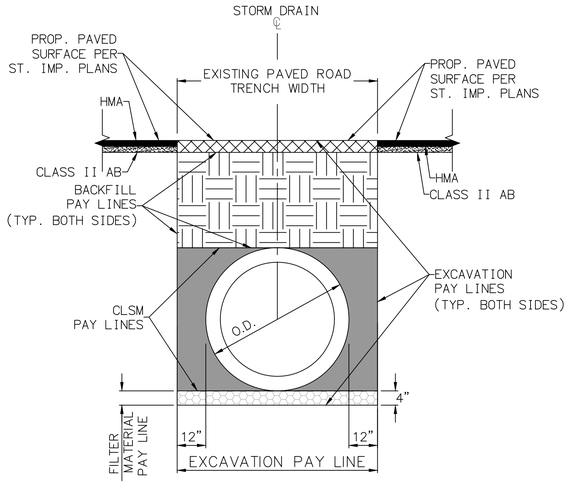
Drawing Name: C:\12.03.15\Engineering\Storm_Drain_Plan\12.03.15_SHEET_01.dwg
Last Opened: Oct 07, 2019 - 4:11pm by bwitzen





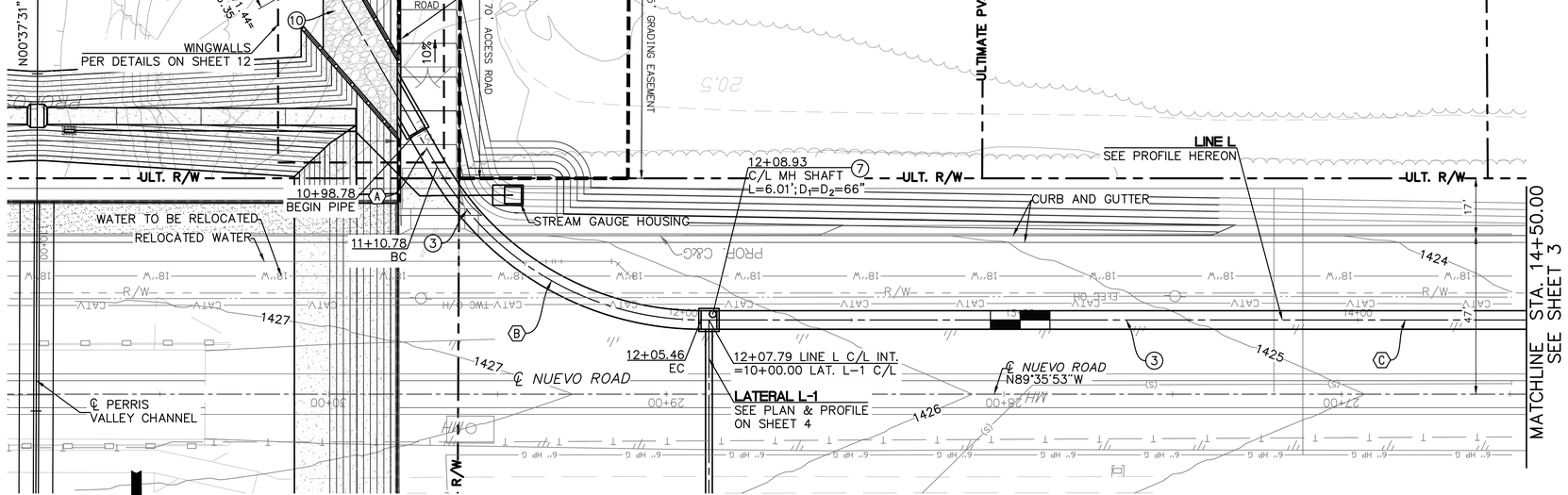
SECTION AT STA 13+00.00

TYPICAL FROM STATION 12+10.13 TO STA 14+50.00
(SCALE: 1"=10')



TYPICAL PIPE TRENCH SECTION

(SCALE: N.T.S.)



CONSTRUCTION NOTES

(3) CONSTRUCT 66" RCP (D-LOAD PER PROFILE)
(7) CONSTRUCT MANHOLE NO. 2 PER RCFC & WCD STD. DWG. NO. MH252.
(9) CONSTRUCT PIPE CULVERT WINGWALL PER DETAILS ON SHEET 12 AND SHEET 14.
(10) CONSTRUCT 1/4 TON RIP-RAP PER DETAIL ON SHEET 12.

LINE/CURVE DATA

	DELTA/BEARING	RADIUS	LEN./DIST.	TANGENT
(A)	N29°19'33"W	–	12.00'	–
(B)	60°16'21"	90.00'	94.68'	52.25'
(C)	N89°35'53"W	–	244.54'	–

UNDERGROUND SERVICE ALERT
DIG ALERT
Call: TOLL FREE 1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

SEAL–ENGINEER

JLC Engineering & Consulting, Inc.
41660 IVY STREET, SUITE A, MURRIETA, CA 92562
PH. 951.304.9552 FAX 951.304.3568

JOSEPH L. CASTANEDA R.C.E. 59835 DATE

BENCHMARK:
RIVERSIDE COUNTY BENCHMARK M-26-1. 1" I.P. TAGGED "RIV. CO. SURVEYOR" IN CAPPED WELL, DN. 0.7', AT THE CENTERLINE INTERSECTION OF NUEVO ROAD AND MURRIETA ROAD. NGVD 29 ELEVATION = 1421.325

REVISIONS

REF.	DESCRIPTION	APPR.	DATE

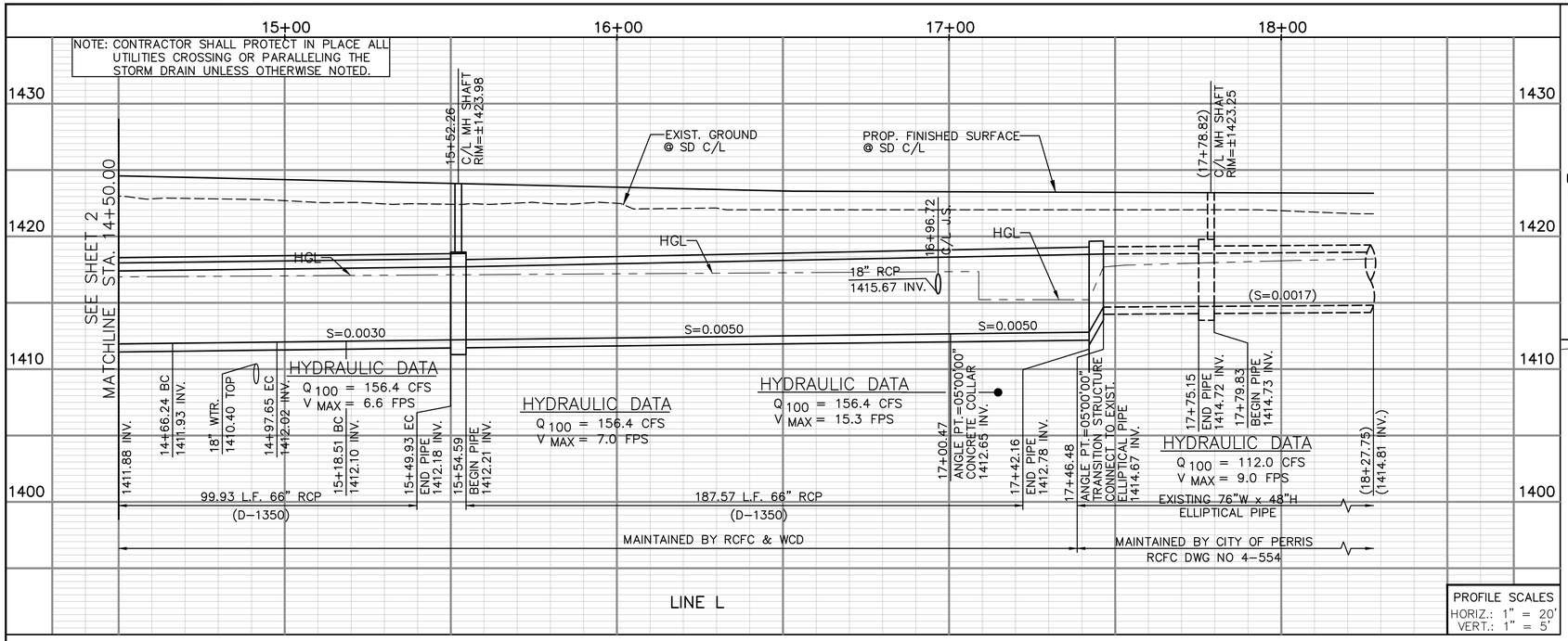
CITY OF PERRIS
REVIEWED BY:
CITY ENGINEER
DATE:

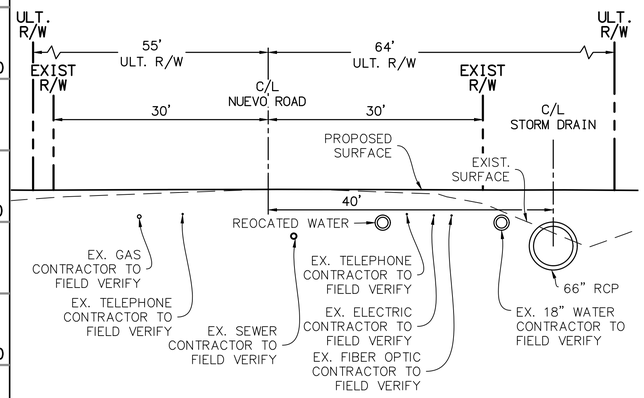
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY:
DATE:
APPROVED BY:
DATE:

PERRIS VALLEY MDP
LINE L – STAGE 2
"NUEVO ROAD BRIDGE IMPROVEMENTS"
STA: 10+86.96 – STA: 14+50.00

PROJECT NO. 4-0-00510
DRAWING NO. 4-1144
SHEET 2 OF 15

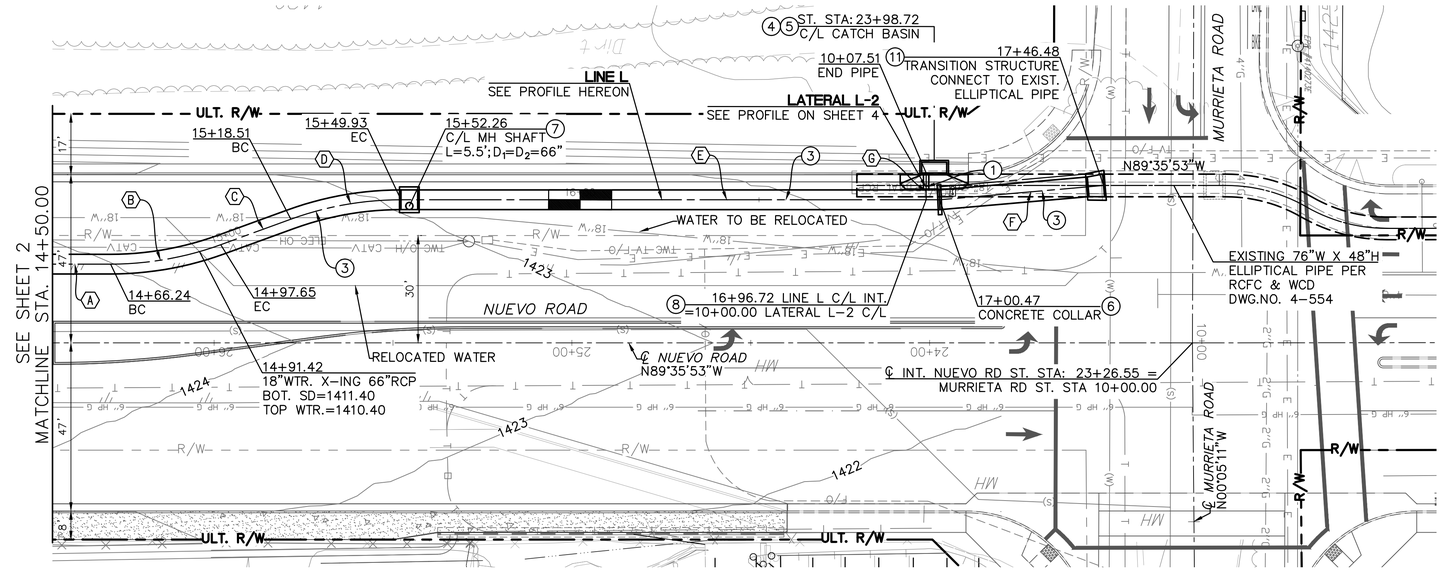
Drawing Name: O:\112.03.15\Engineering\Storm_Drain_Plan\112.03.15_SHEET_02.dwg
Last Opened: Oct 07, 2019 - 4:11pm by swilken





SECTION AT STA 16+00.00

TYPICAL FROM STATION 15+49.93 TO STA 17+42.16
(SCALE: 1"=10')



CONSTRUCTION NOTES

1. CONSTRUCT 18" RCP (CLASS IV)
3. CONSTRUCT 66" RCP (D-LOAD PER PROFILE)
4. CONSTRUCT CATCH BASIN PER RCFC & WCD STD. DWG. NO. CB100.
5. CONSTRUCT LOCAL DEPRESSION CASE "C" STD. DWG. NO. LD201.
6. CONSTRUCT CONCRETE COLLAR PER RCFC & WCD STD. DWG. NO. M803.
7. CONSTRUCT MANHOLE NO. 2 PER RCFC & WCD STD. DWG. NO. MH252.
8. CONSTRUCT JUNCTION STRUCTURE NO. 4 PER RCFC & WCD STD. DWG. NO. JS229.
11. CONSTRUCT TRANSITION STRUCTURE NO. 3 PER RCFC & WCD STD. DWG. NO. TS303.

LINE/CURVE DATA

	DELTA/BEARING	RADIUS	LEN./DIST.	TANGENT
A	N89°35'53"W	–	16.24'	–
B	20°00'00"	90.00'	31.42'	15.87'
C	N70°24'07"E	–	20.86'	–
D	20°00'00"	90.00'	31.42'	15.87'
E	N89°35'53"W	–	150.54'	–
F	N85°24'07"E	–	46.01'	–
G	N00°24'07"E	–	7.51'	–

GRAPHIC SCALE
20' 0 10' 20' 40'
1" = 20'

UNDERGROUND SERVICE ALERT
DIG ALERT
Call: TOLL FREE 1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

SEAL-ENGINEER
REGISTERED PROFESSIONAL ENGINEER JOSEPH L. CASTANEDA NO. 59835 CIVIL STATE OF CALIFORNIA

JLC Engineering & Consulting, Inc.
41660 IVY STREET, SUITE A, MURRIETA, CA 92562
PH. 951.304.9552 FAX 951.304.3568

JOSEPH L. CASTANEDA R.C.E. 59835 DATE

BENCHMARK:
RIVERSIDE COUNTY BENCHMARK M-26-1. 1" I.P. TAGGED "RIV. CO. SURVEYOR" IN CAPPED WELL, DN. 0.7', AT THE CENTERLINE INTERSECTION OF NUEVO ROAD AND MURRIETA ROAD. NGVD 29 ELEVATION = 1421.325

REVISIONS

REF.	DESCRIPTION	APPR.	DATE

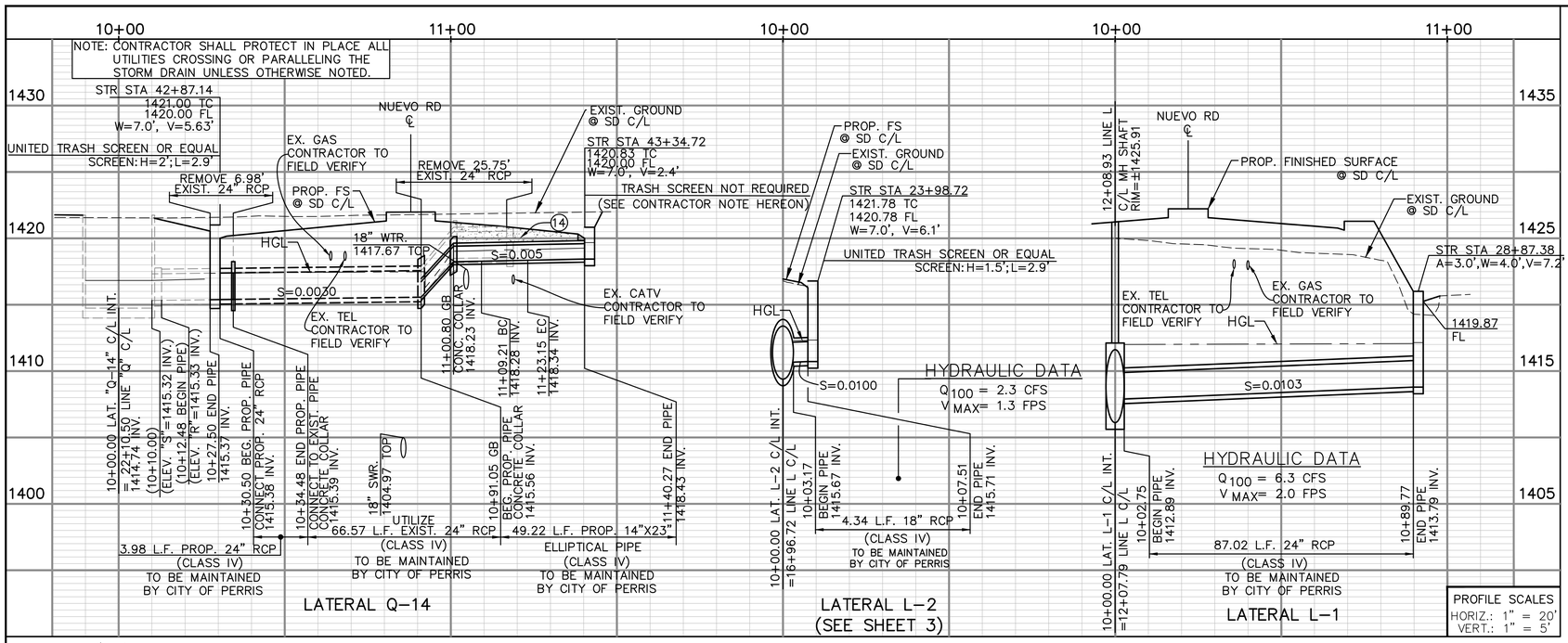
CITY OF PERRIS
REVIEWED BY:
CITY ENGINEER
DATE:

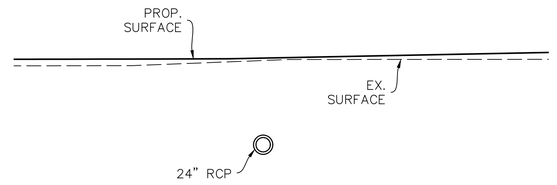
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY:
DATE:
APPROVED BY:
DATE:

PERRIS VALLEY MDP
LINE L STAGE 2
"NUEVO ROAD BRIDGE IMPROVEMENTS"
STA: 14+50.00 – STA: 17+46.48

PROJECT NO. 4-0-00510
DRAWING NO. 4-1144
SHEET 3 OF 15

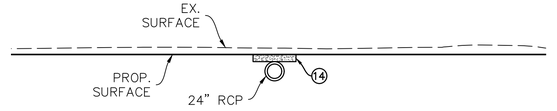
Drawing Name: G:\112.03.15\Engineering\Storm_Drain_Plan\112.03.15_SHEET_03.dwg
Last Opened: Oct 07, 2019 - 4:12pm by bentzen

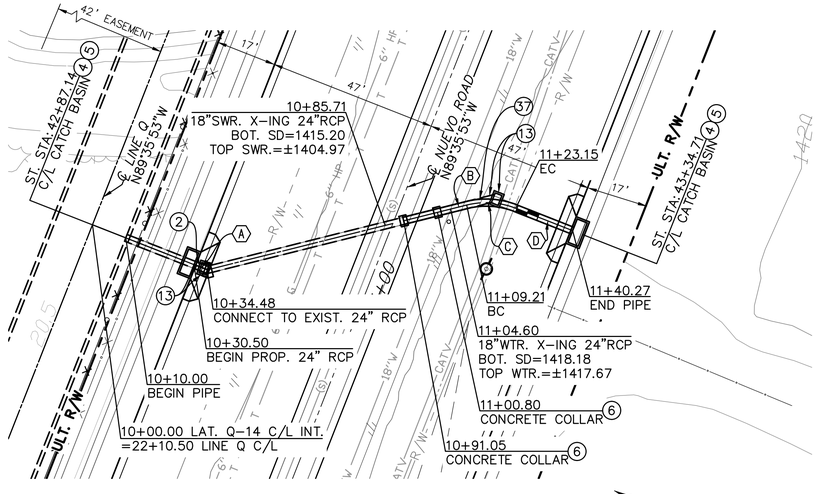


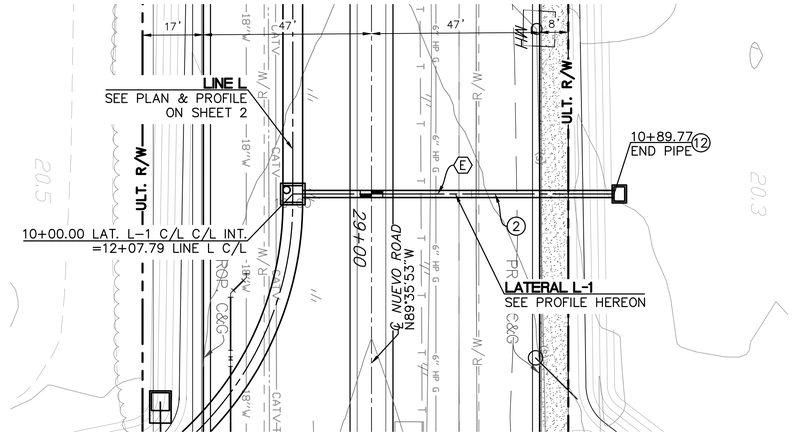


LATERAL L-1 SECTION AT STA 10+22.00

TYPICAL FROM STATION 10+00.00-10+89.77
(SCALE: 1"=10')

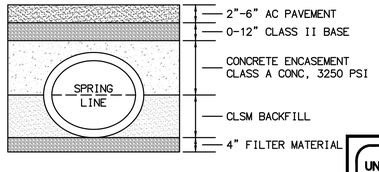






LATERAL Q-14 SECTION AT STA 11+25.00

TYPICAL FROM STATION 11+00.80-11+40.27
(SCALE: 1"=10')



LATERAL Q-14 - TRENCH SECTION STA 11+00-11+40.27

NOTE: LAT Q-14 SHALL USE A LOCAL DEPRESSION WITH #4 BARS @ 12" O.C. CONCRETE ENCASEMENT NOT REQD AT LOCAL DEPRESSION.

GRAPHIC SCALE
20' 0 10' 20' 40'
1" = 20'

CONSTRUCTION NOTES

(2) CONSTRUCT 24" RCP (CLASS IV)
(4) CONSTRUCT CATCH BASIN PER RCFC & WCD STD. DWG. NO. CB100 AND TRASH SCREEN.
(5) CONSTRUCT LOCAL DEPRESSION CASE "C" STD. DWG. NO. LD201.
(6) CONSTRUCT CONCRETE COLLAR PER RCFC & WCD STD. DWG. NO. M803.
(12) CONSTRUCT CONCRETE DROP INLET PER RCFC & WCD STD. DWG. CB110.
(13) REMOVE EXISTING STORM DRAIN STRUCTURE AND 24 INCH RCP.
(14) CONSTRUCT CONCRETE SLURRY BACKFILL PER GENERAL NOTE 14.
(37) CONSTRUCT 14"x23" ELLIPTICAL PIPE (CLASS IV)

LINE/CURVE DATA

	DELTA/BEARING	RADIUS	LEN./DIST.	TANGENT
(A)	N00°26'35"E	-	3.98'	-
(B)	N35°05'58"W	-	18.16'	-
(C)	35°30'05"	22.50'	13.94'	7.20'
(D)	N00°24'07"E	-	17.12'	-
(E)	N00°24'07"E	-	89.77'	-

NOTE TO CONTRACTOR

CATCH BASIN AT STATION 43+34.71 SHALL NOT INCORPORATE A TRASH SCREEN DUE TO THE HEIGHT LIMITATIONS OF THE CATCH BASIN.

UNDERGROUND SERVICE ALERT
DIG ALERT
Call: TOLL FREE 1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

SEAL-ENGINEER
REGISTERED PROFESSIONAL ENGINEER JOSEPH L. CASTANEDA NO. 59835 CIVIL STATE OF CALIFORNIA

JLC Engineering & Consulting, Inc.
41660 IVY STREET, SUITE A, MURRIETA, CA 92562
PH. 951.304.9552 FAX 951.304.3568
JOSEPH L. CASTANEDA R.C.E. 59835 DATE

BENCHMARK:
RIVERSIDE COUNTY BENCHMARK M-26-1. 1" I.P. TAGGED "RIV. CO. SURVEYOR" IN CAPPED WELL, DN. 0.7', AT THE CENTERLINE INTERSECTION OF NUEVO ROAD AND MURRIETA ROAD. NGVD 29 ELEVATION = 1421.325

REVISIONS
REF. | DESCRIPTION | APPR. | DATE

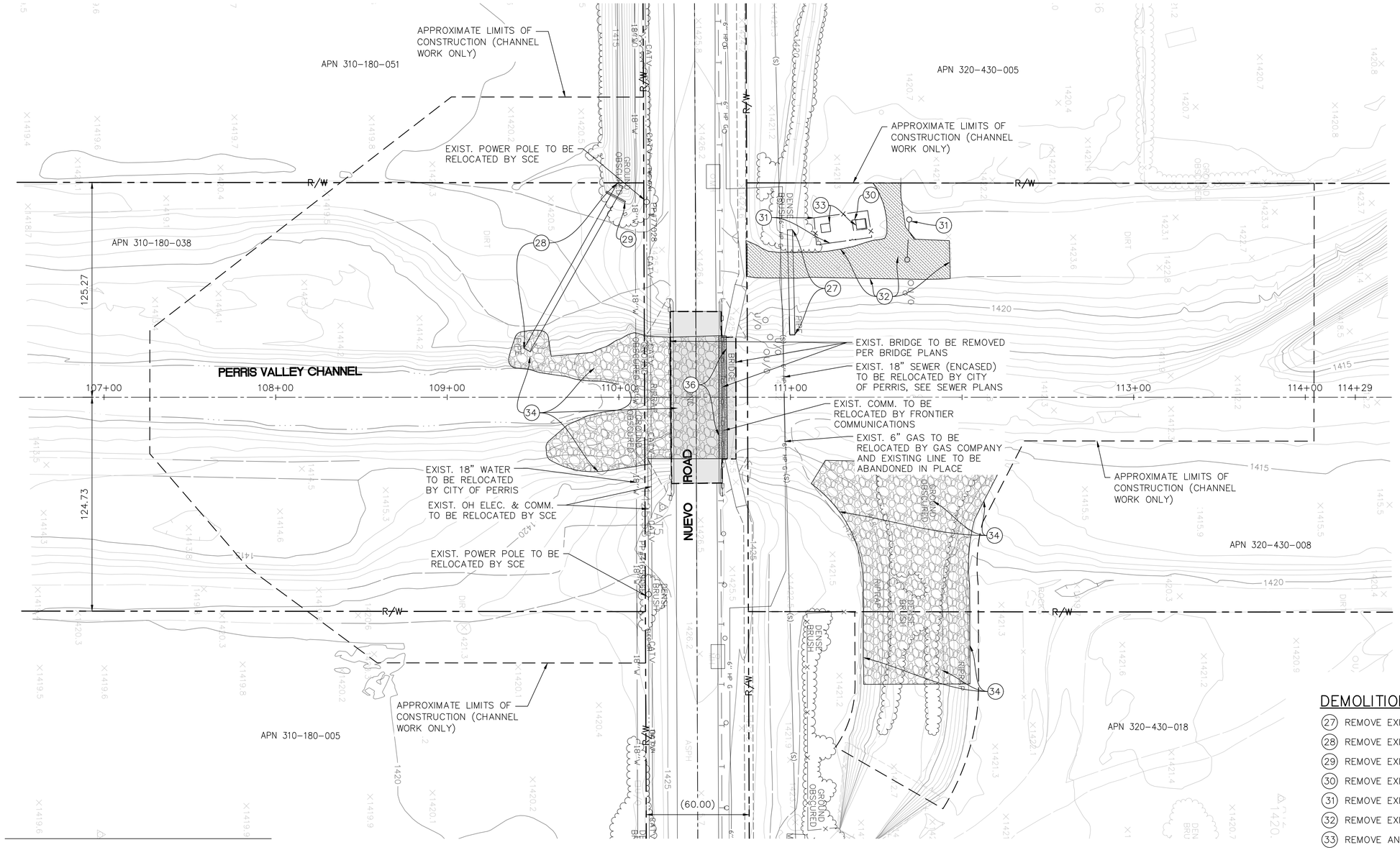
CITY OF PERRIS
REVIEWED BY:
CITY ENGINEER
DATE:

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY: DATE:
APPROVED BY: DATE:

PERRIS VALLEY MDP
PERRIS VALLEY CHANNEL
"NUEVO ROAD BRIDGE IMPROVEMENTS"
NUEVO ROAD STORM DRAIN

PROJECT NO. 4-0-00510
DRAWING NO. 4-1144
SHEET 4 OF 15

Drawing Name: O:\112.03.15\Engineering\Storm_Drain_Plan\112.03.15_SHEET_04.dwg
Last Opened: Oct 07, 2019 - 4:13pm by tawilcox



DEMOLITION NOTES

(27) REMOVE EXISTING 36" CMP STORM DRAIN.
(28) REMOVE EXISTING 48" CMP STORM DRAIN.
(29) REMOVE EXISTING CONCRETE HEADWALL.
(30) REMOVE EXISTING CONCRETE PAD.
(31) REMOVE EXISTING STEEL FENCING AND GATES.
(32) REMOVE EXISTING GRAVEL ROAD.
(33) REMOVE AND SALVAGE EXISTING INSTRUMENT CABINETS.
(34) REMOVE AND SALVAGE EXISTING RIP-RAP.
(36) REMOVE EXISTING CONCRETE STREAM GAGE STRUCTURE.

GRAPHIC SCALE
30 0 15 30 60
1" = 30'

UNDERGROUND SERVICE ALERT
DIG ALERT
Call: TOLL FREE
1-800
227-2600
TWO WORKING DAYS BEFORE YOU DIG

SEAL-ENGINEER
REGISTERED PROFESSIONAL ENGINEER JOSEPH L. CASTANEDA NO. 59835 CIVIL STATE OF CALIFORNIA

JLC Engineering & Consulting, Inc.
41660 IVY STREET, SUITE A, MURRIETA, CA 92562
PH. 951.304.9552 FAX 951.304.3568

JOSEPH L. CASTANEDA R.C.E. 59835 DATE

BENCHMARK:
RIVERSIDE COUNTY BENCHMARK M-26-1. 1" I.P. TAGGED "RIV. CO. SURVEYOR" IN CAPPED WELL, DN. 0.7', AT THE CENTERLINE INTERSECTION OF NUEVO ROAD AND MURRIETA ROAD. NGVD 29 ELEVATION = 1421.325

REVISIONS

REF.	DESCRIPTION	APPR.	DATE

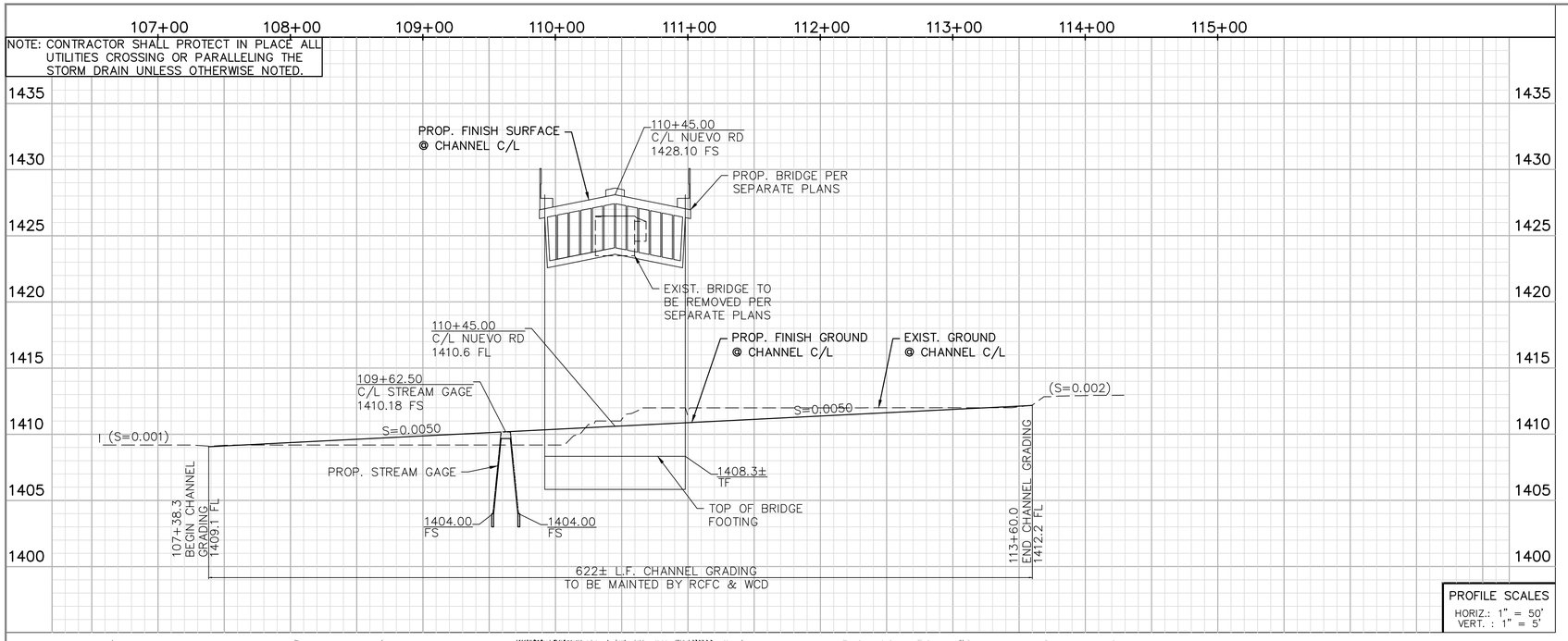
CITY OF PERRIS
APPROVED BY:
CITY ENGINEER
DATE:

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY:
DATE:
APPROVED BY:
DATE:

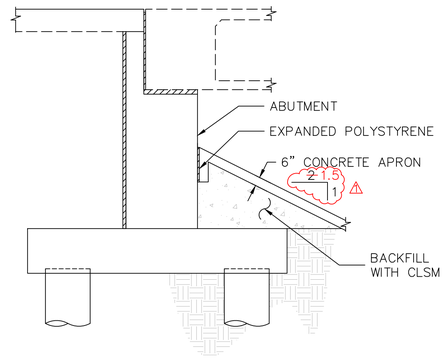
PERRIS VALLEY MDP
PERRIS VALLEY CHANNEL
"NUEVO ROAD BRIDGE IMPROVEMENTS"
PERRIS VALLEY CHANNEL DEMOLITION PLAN

PROJECT NO. 4-0-00510
DRAWING NO. 4-1144
SHEET 5 OF 15

Drawing Name: Q:\112.03.15\Engineering\Storm_Drain_Plan\112.03.15_SHEET_05.dwg
Last Opened: Oct 07, 2019 - 4:15pm by bwitzen

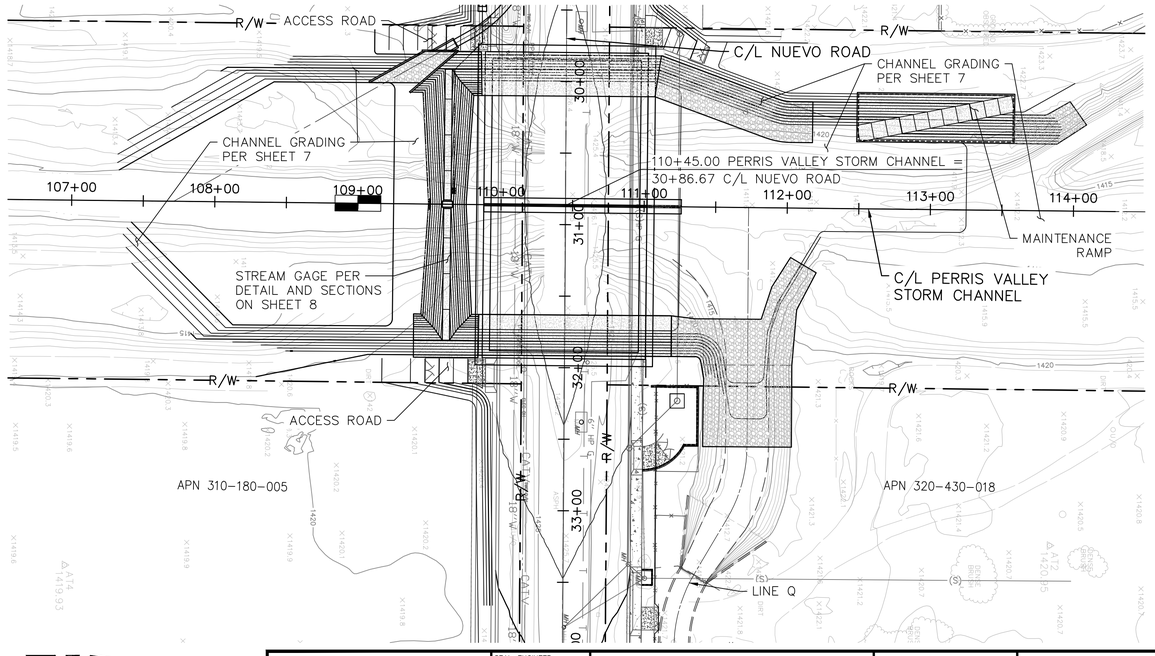


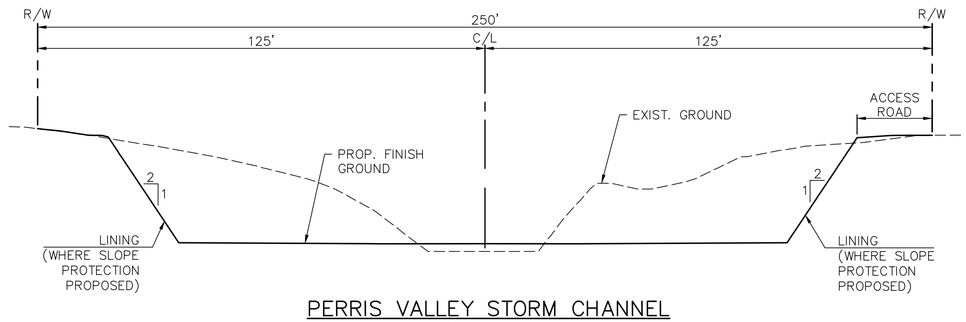
PROFILE SCALES
HORIZ.: 1" = 50'
VERT. : 1" = 5'



TYPICAL ABUTMENT CONCRETE SLOPE DETAIL

SCALE N.T.S.





PERRIS VALLEY STORM CHANNEL

STA. 109+00.00
SCALE 1"=20'

GRAPHIC SCALE
50' 0 25' 50' 100'
1" = 50'

UNDERGROUND SERVICE ALERT
DIG ALERT
Call: TOLL FREE 1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

SEAL–ENGINEER
REGISTERED PROFESSIONAL ENGINEER JOSEPH L. CASTANEDA NO. 59835 CIVIL STATE OF CALIFORNIA

JLC Engineering & Consulting, Inc.
41660 IVY STREET, SUITE A, MURRIETA, CA 92562
PH. 951.304.9552 FAX 951.304.3568

JOSEPH L. CASTANEDA R.C.E. 59835 DATE

BENCHMARK:
RIVERSIDE COUNTY BENCHMARK M-26-1. 1" I.P. TAGGED "RIV. CO. SURVEYOR" IN CAPPED WELL, DN. 0.7', AT THE CENTERLINE INTERSECTION OF NUEVO ROAD AND MURRIETA ROAD. NGVD 29 ELEVATION = 1421.325

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE
1	REGRADE PORTION OF CHANNEL SLOPES TO 1.5:1		

CITY OF PERRIS
APPROVED BY:
CITY ENGINEER
DATE:

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY:
DATE:
APPROVED BY:
DATE:

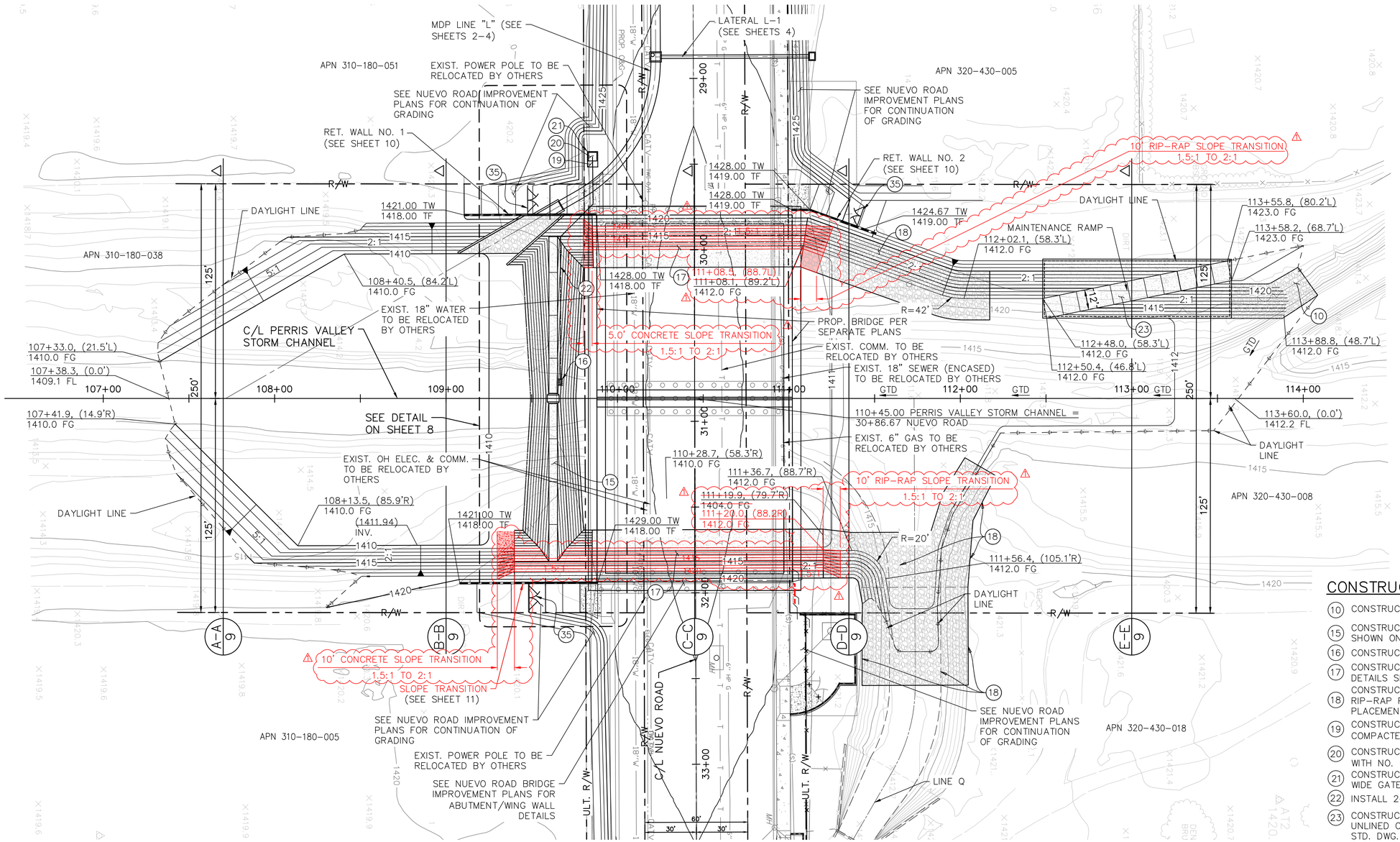
PERRIS VALLEY MDP
PERRIS VALLEY CHANNEL
"NUEVO ROAD BRIDGE IMPROVEMENTS"
PERRIS VALLEY CHANNEL
CHANNEL PLAN

PROJECT NO. 4-0-00510
DRAWING NO. 4-1144
SHEET 6 OF 15

Drawing Name: O:\112.03.15\Engineering\Storm_Drain_Plan\112.03.15_SHEET_06.dwg
Last Opened: Nov 11, 2019 - 12:18pm by bwitzen

NOTE TO CONTRACTOR:

CONTRACTOR SHALL GRADE SWALE TO ENSURE CHANNEL HAS POSITIVE SLOPE AND SURFACE GRADES TO DRAIN.



CONSTRUCTION NOTES

(10) CONSTRUCT 1/4 TON RIP-RAP PER DETAIL ON SHEET 12.

(15) CONSTRUCT STREAM GAGE PER DETAIL AND SECTIONS SHOWN ON SHEET 8.

(16) CONSTRUCT JUNCTION BOX PER DETAILS SHOWN ON SHEET 8.

(17) CONSTRUCT 6" THICK CONCRETE SLOPE PROTECTION PER DETAILS SHOWN ON SHEET 8.

(18) CONSTRUCT 1/4 TON RIP-RAP (T=2.7') USING SALVAGED RIP-RAP PER CALTRANS STD. SPEC. SECTION 72, PLACEMENT METHOD A.

(19) CONSTRUCT 6'W X 9'L GRADED PAD WITH TOP 12" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION (ASTM D1557).

(20) CONSTRUCT 5'W X 5"L X 6" THICK CONCRETE PAD WITH NO. 4 REBAR AT 18" O.C. E.W.

(21) CONSTRUCT 6' HIGH CHAIN LINK FENCE WITH 2-3' WIDE GATES PER RCFC & WCD STD. DWG. NO. M801.

(22) INSTALL 2-2" AND 1-4" PVC CONDUITS.

(23) CONSTRUCT MAINTENANCE RAMP FOR UNLINED CHANNEL PER RCFC & WCD STD. DWG. NO. CH334 & PLAN HEREON.

(35) CONSTRUCT DOUBLE DRIVE GATE PER RCFC & WCD STD. DWG. NO. M801.

GRAPHIC SCALE
30 0 15 30 60
1" = 30'

UNDERGROUND SERVICE ALERT
DIG ALERT
Call: TOLL FREE 1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

SEAL-ENGINEER
REGISTERED PROFESSIONAL ENGINEER JOSEPH L. CASTANEDA NO. 59835 CIVIL STATE OF CALIFORNIA

JLC Engineering & Consulting, Inc.
41660 IVY STREET, SUITE A MURRIETA, CA 92562
PH. 951.304.9552 FAX 951.304.3568

JOSEPH L. CASTANEDA R.C.E. 59835 DATE

BENCHMARK:
RIVERSIDE COUNTY BENCHMARK M-26-1. 1" I.P. TAGGED "RIV. CO. SURVEYOR" IN CAPPED WELL, DN. 0.7', AT THE CENTERLINE INTERSECTION OF NUEVO ROAD AND MURRIETA ROAD. NGVD 29 ELEVATION = 1421.325

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE
1	REGRADE PORTION OF CHANNEL SLOPES TO 1.5:1		

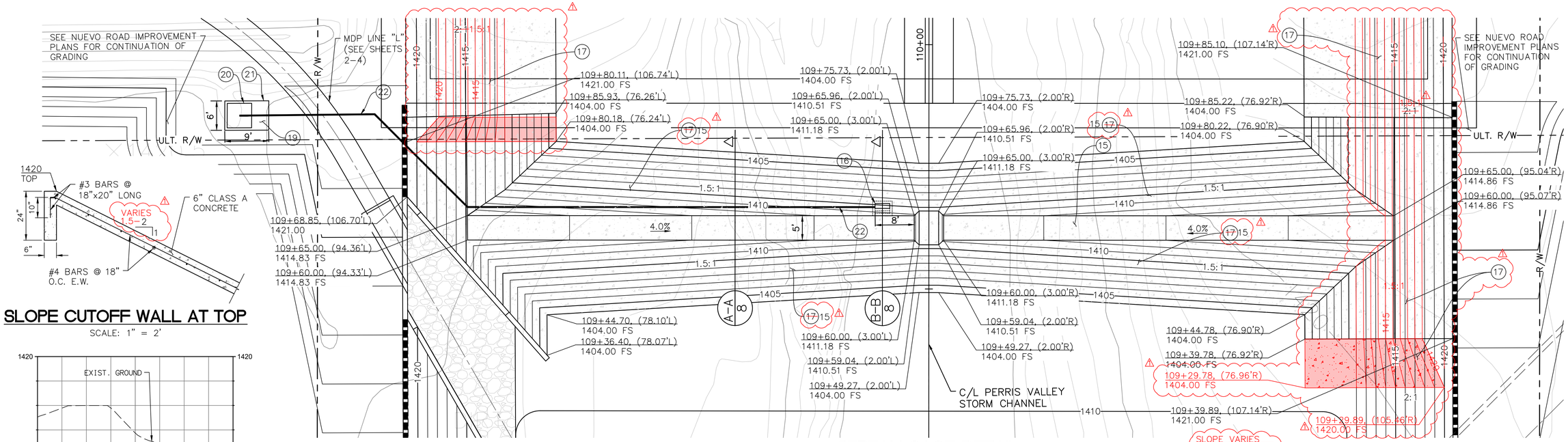
CITY OF PERRIS
REVIEWED BY:
CITY ENGINEER
DATE:

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY:
DATE:
APPROVED BY:
DATE:

PERRIS VALLEY MDP
PERRIS VALLEY CHANNEL
"NUEVO ROAD BRIDGE IMPROVEMENTS"
PERRIS VALLEY CHANNEL GRADING PLAN

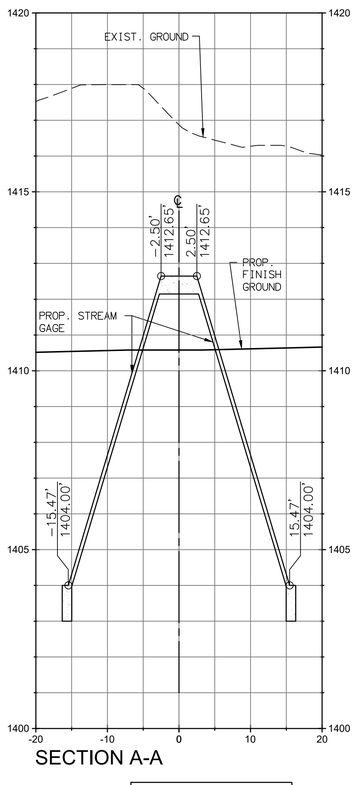
PROJECT NO. 4-0-00510
DRAWING NO. 4-1144
SHEET 7 OF 15

Drawing Name: G:\112.03.15\Engineering\Storm_Drain_Plan\112.03.15_SHEET_07.dwg
Last Opened: Nov 11, 2019 2:29pm by bretten

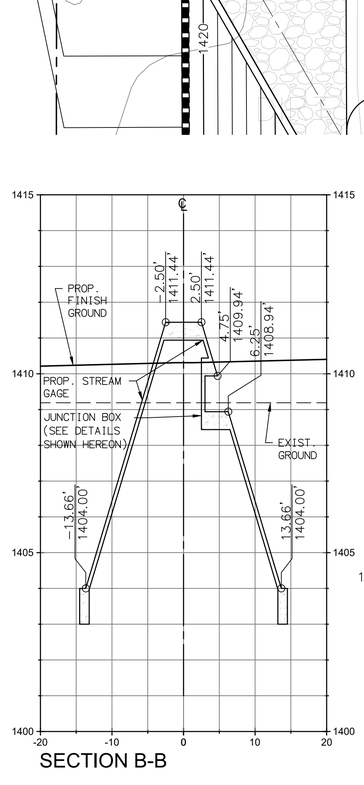


SLOPE CUTOFF WALL AT TOP

SCALE: 1" = 2'



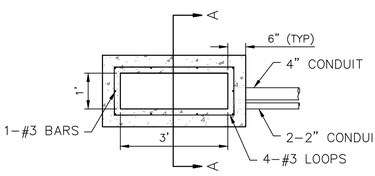
SECTION A-A



SECTION B-B

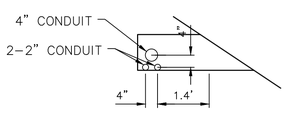
STREAM GAGE DETAIL

SCALE: 1" = 10'



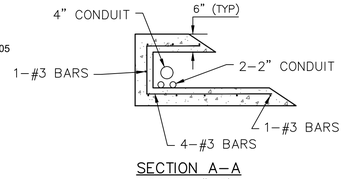
PLAN VIEW

SCALE 1"=2'



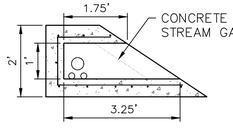
CONDUIT SPACING

SCALE 1"=2'



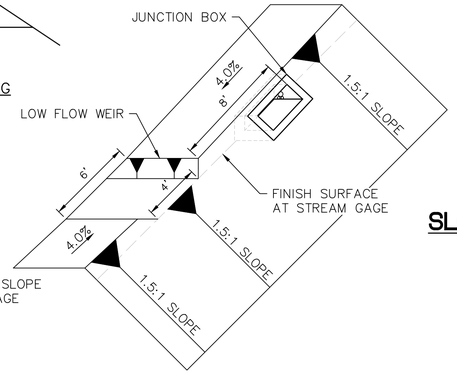
SECTION A-A

SCALE 1"=2'



JUNCTION BOX DIMENSIONS

SCALE 1"=2'



ISOMETRIC VIEW

SCALE 1"=5'

JUNCTION BOX

CONSTRUCTION NOTES

15. CONSTRUCT STREAM GAGE PER DETAIL AND SECTIONS SHOWN HEREON.
16. CONSTRUCT JUNCTION BOX PER DETAILS SHOWN HEREON.
17. CONSTRUCT 6" THICK CONCRETE SLOPE PROTECTION PER DETAILS SHOWN HEREON.
19. CONSTRUCT 6'W X 9'L GRADED PAD WITH TOP 12" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION (ASTM D1557).
20. CONSTRUCT 5'W X 5'L X 6" THICK CONCRETE PAD WITH NO. 4 REBAR AT 18" O.C. E.W.
21. CONSTRUCT 6' HIGH CHAIN LINK FENCE WITH 2-3' WIDE GATES PER RFCD & WCD STD. DWG. NO. M801.
22. INSTALL 2-2" AND 1-4" PVC CONDUITS.

SLOPE CUTOFF WALL AT TOE

SCALE: 1" = 2'

N

SECTION SCALES:
HORIZ: 1" = 10'
VERT.: 1" = 2'

GRAPHIC SCALE
30 0 15 30 60
1" = 30'

UNDERGROUND SERVICE ALERT
DIG ALERT
Call: TOLL FREE 1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

SEAL-ENGINEER
REGISTERED PROFESSIONAL ENGINEER JOSEPH L. CASTANEDA NO. 59835 CIVIL STATE OF CALIFORNIA

JLC Engineering & Consulting, Inc.
41660 IVY STREET, SUITE A MURRIETA, CA 92562
PH. 951.304.9552 FAX 951.304.3568
JOSEPH L. CASTANEDA R.C.E. 59835 DATE

BENCHMARK:
RIVERSIDE COUNTY BENCHMARK M-26-1. 1" I.P. TAGGED "RIV. CO. SURVEYOR" IN CAPPED WELL, DN. 0.7', AT THE CENTERLINE INTERSECTION OF NUEVO ROAD AND MURRIETA ROAD. NGVD 29 ELEVATION = 1421.325

REVISIONS			
⚠	REGRADE PORTION OF CHANNEL		
	SLOPES TO 1.5:1		
REF.	DESCRIPTION	APPR.	DATE

CITY OF PERRIS
APPROVED BY:
CITY ENGINEER
DATE:

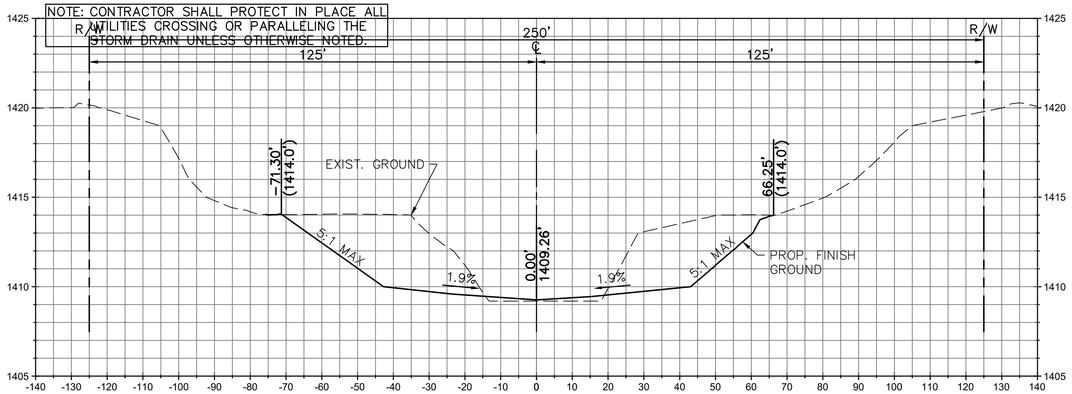
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY:
DATE:
APPROVED BY:
DATE:

PERRIS VALLEY MDP
PERRIS VALLEY CHANNEL
"NUEVO ROAD BRIDGE IMPROVEMENTS"
PERRIS VALLEY CHANNEL
STREAM GAGE PLAN AND DETAILS

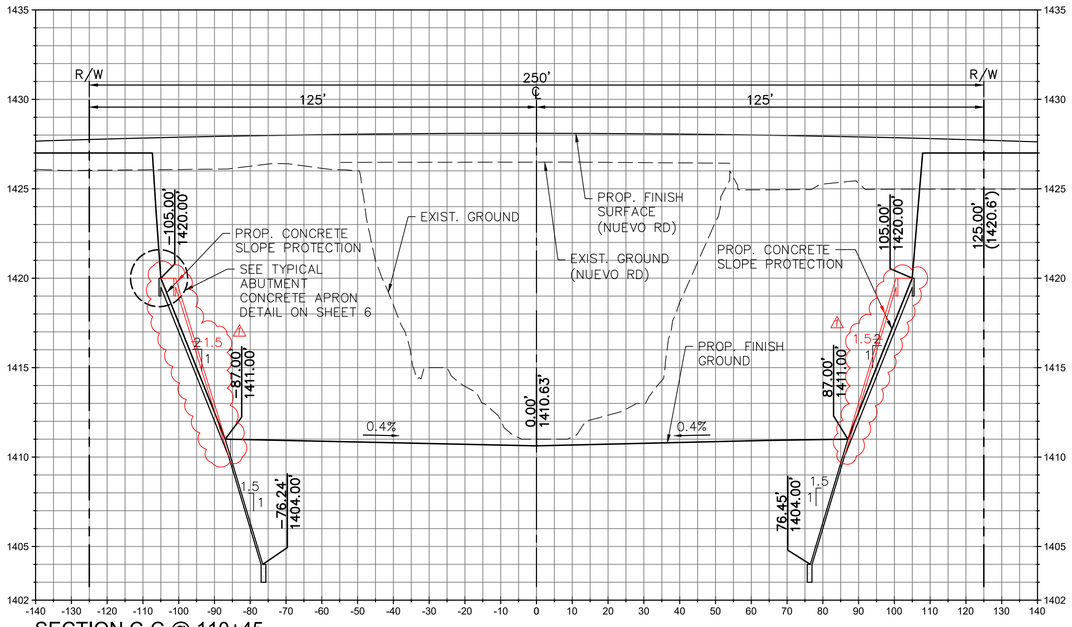
PROJECT NO. 4-0-00510
DRAWING NO. 4-1144
SHEET 8 OF 15

Drawing Name: O:\112.03.15\Engineering\Storm_Drain_Plan\112.03.15_SHEET_08.dwg
Last Opened: Nov 11, 2019 3:32pm by bwitten

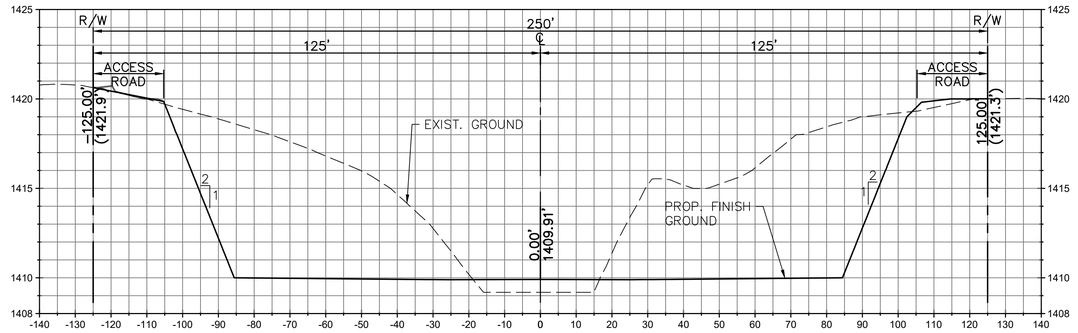
NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN UNLESS OTHERWISE NOTED.



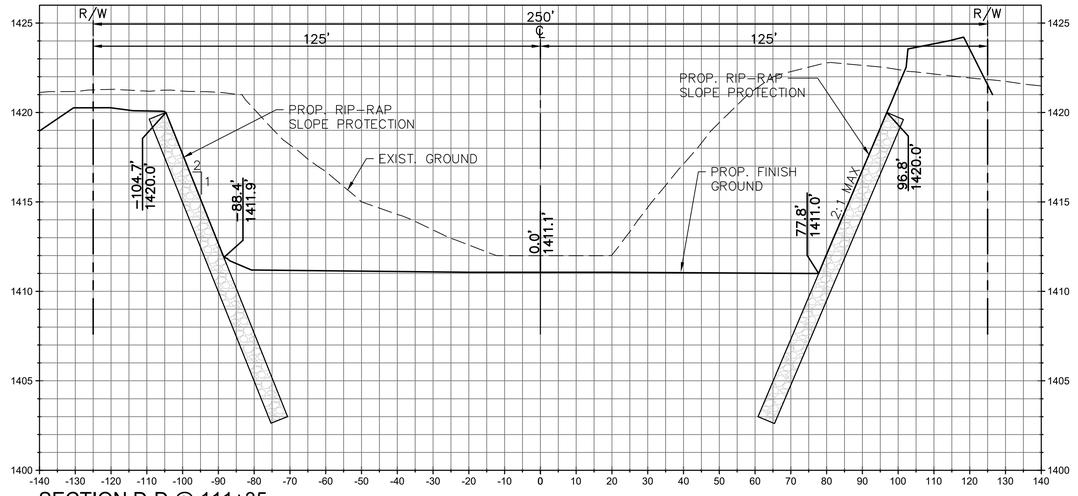
SECTION A-A @ 107+70



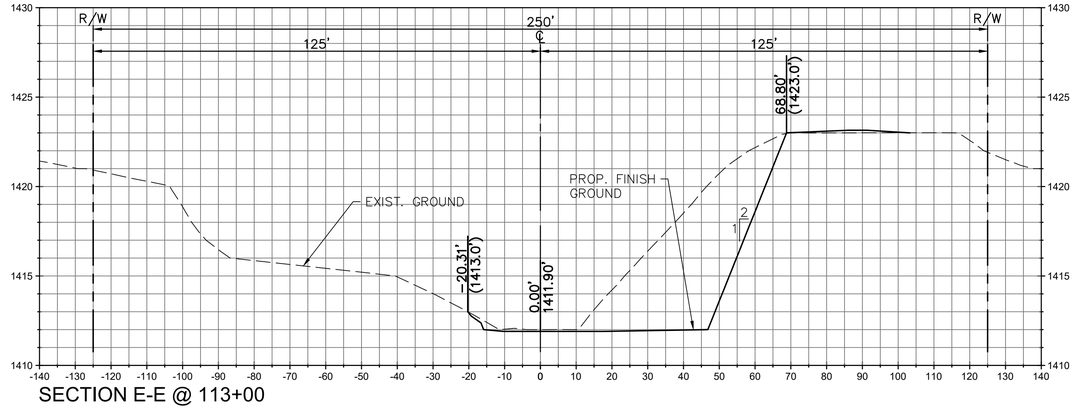
SECTION C-C @ 110+45



SECTION B-B @ 109+00



SECTION D-D @ 111+35



SECTION E-E @ 113+00

SECTION SCALES:
HORIZ: 1" = 20'
VERT.: 1" = 4'

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN UNLESS OTHERWISE NOTED.

UNDERGROUND SERVICE ALERT
DIG ALERT
Call: TOLL FREE
1-800
227-2600
TWO WORKING DAYS BEFORE YOU DIG

SEAL—ENGINEER

JLC Engineering & Consulting, Inc.
41660 IVY STREET, SUITE A, MURRIETA, CA 92562
PH. 951.304.9552 FAX 951.304.3568

JOSEPH L. CASTANEDA R.C.E. 59835 DATE

BENCHMARK:
RIVERSIDE COUNTY BENCHMARK M-26-1. 1" I.P. TAGGED "RIV. CO. SURVEYOR" IN CAPPED WELL, DN. 0.7', AT THE CENTERLINE INTERSECTION OF NUEVO ROAD AND MURRIETA ROAD. NGVD 29 ELEVATION = 1421.325

REVISIONS

REF.	DESCRIPTION	APPR.	DATE
1	REGRADE PORTION OF CHANNEL SLOPES TO 1.5:1		

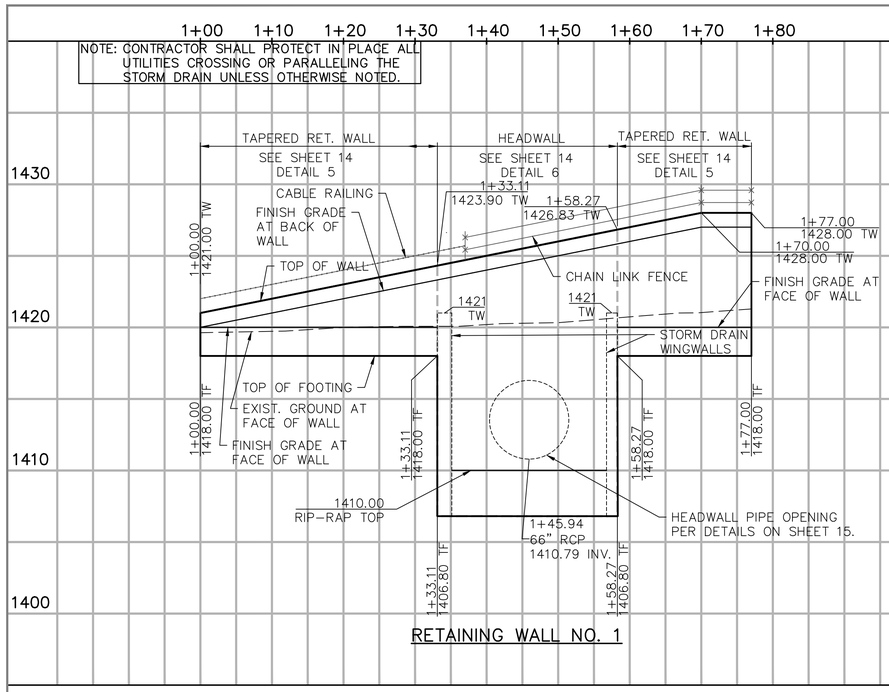
CITY OF PERRIS
REVIEWED BY:
CITY ENGINEER
DATE:

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY:
DATE:
APPROVED BY:
DATE:

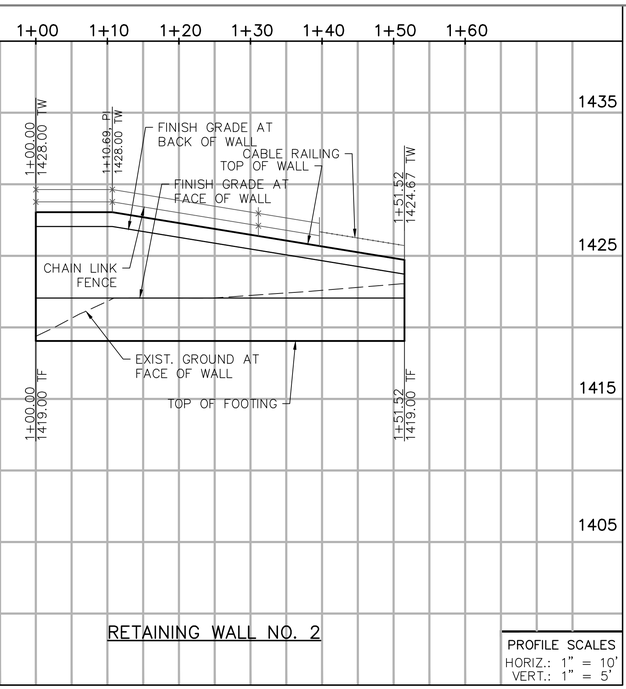
PERRIS VALLEY MDP
PERRIS VALLEY CHANNEL
"NUEVO ROAD BRIDGE IMPROVEMENTS"
PERRIS VALLEY CHANNEL
CROSS SECTIONS

PROJECT NO. 4-0-00510
DRAWING NO. 4-1144
SHEET 9 OF 15

Drawing Name: O:\112.03.15\Engineering\Storm_Drain_Plan\112.03.15_SHEET_09.dwg
Last Opened: Nov 11, 2019 - 3:35pm by bwitzen

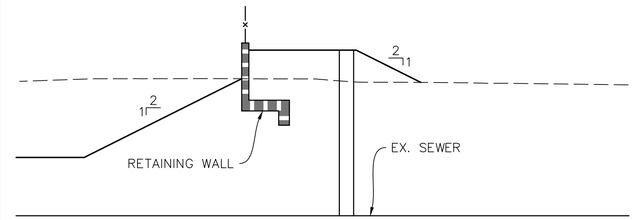


RETAINING WALL NO. 1



RETAINING WALL NO. 2

PROFILE SCALES
HORIZ.: 1" = 10'
VERT.: 1" = 5'

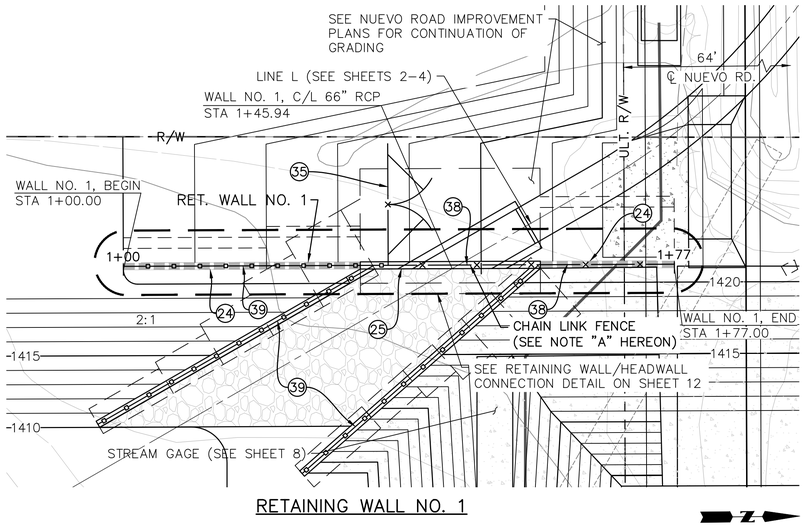


SECTION AT STA: 1+17.19

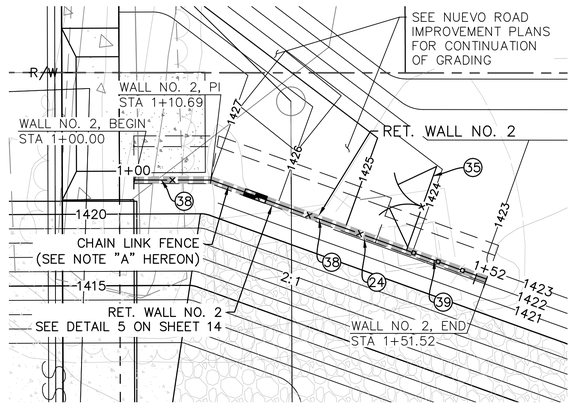
TYPICAL FROM STATION 1+00.00 TO STA 1+43.87
(SCALE: 1"=10')

NOTES

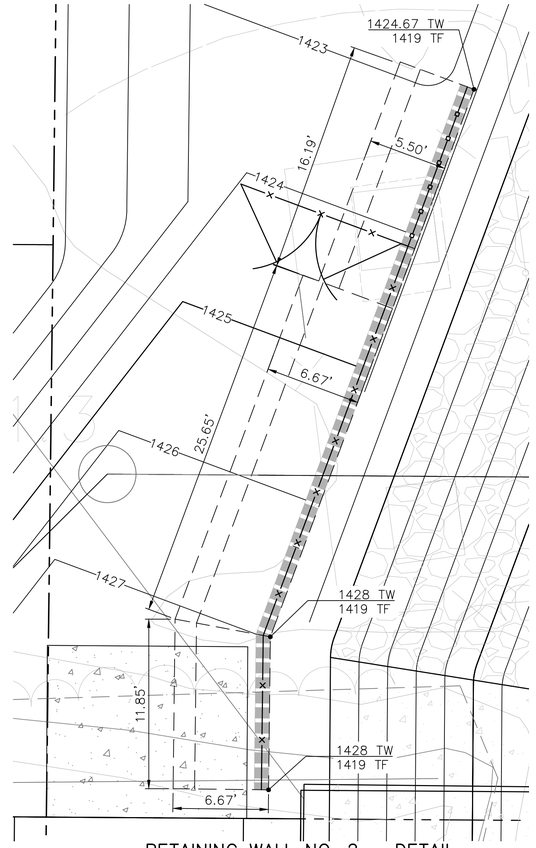
A. CONTRACTOR SHALL INSTALL CHAN LINK FENCE ALONG RETAINING WALL FROM ROAD R/W TO PROPOSED GATE IN LIEU OF CABLE RAILING



RETAINING WALL NO. 1



RETAINING WALL NO. 2



RETAINING WALL NO. 2 – DETAIL

SCALE: 1":=5'

CONSTRUCTION NOTES

(24) CONSTRUCT RETAINING WALL PER DETAILS ON SHEET 12 & 14.
(25) CONSTRUCT HEADWALL PER DETAILS ON SHEET 12 & 14.
(35) CONSTRUCT DOUBLE DRIVE GATE PER RCFC & WCD STD. DWG. NO. M801.
(38) CONSTRUCT 6-FOOT CHAIN LINK FENCE PER RCFC&WCD STD. DWG. NO. M801.
(39) CONSTRUCT CABLE RAILING PER CALTRANS STD. PLAN B11-47.

GRAPHIC SCALE
10' 0 5' 10' 20'
1" = 10'

UNDERGROUND SERVICE ALERT
DIG ALERT
Call: TOLL FREE
1-800
227-2600
TWO WORKING DAYS BEFORE YOU DIG

SEAL-ENGINEER
REGISTERED PROFESSIONAL ENGINEER JOSEPH L. CASTANEDA NO. 59835 CIVIL STATE OF CALIFORNIA

JLC Engineering & Consulting, Inc.
41660 IVY STREET, SUITE A, MURRIETA, CA 92562
PH. 951.304.9552 FAX 951.304.3568

JOSEPH L. CASTANEDA R.C.E. 59835 DATE

BENCHMARK:
RIVERSIDE COUNTY BENCHMARK M-26-1. 1" I.P. TAGGED "RIV. CO. SURVEYOR" IN CAPPED WELL, DN. 0.7', AT THE CENTERLINE INTERSECTION OF NUEVO ROAD AND MURRIETA ROAD. NGVD 29 ELEVATION = 1421.325

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE

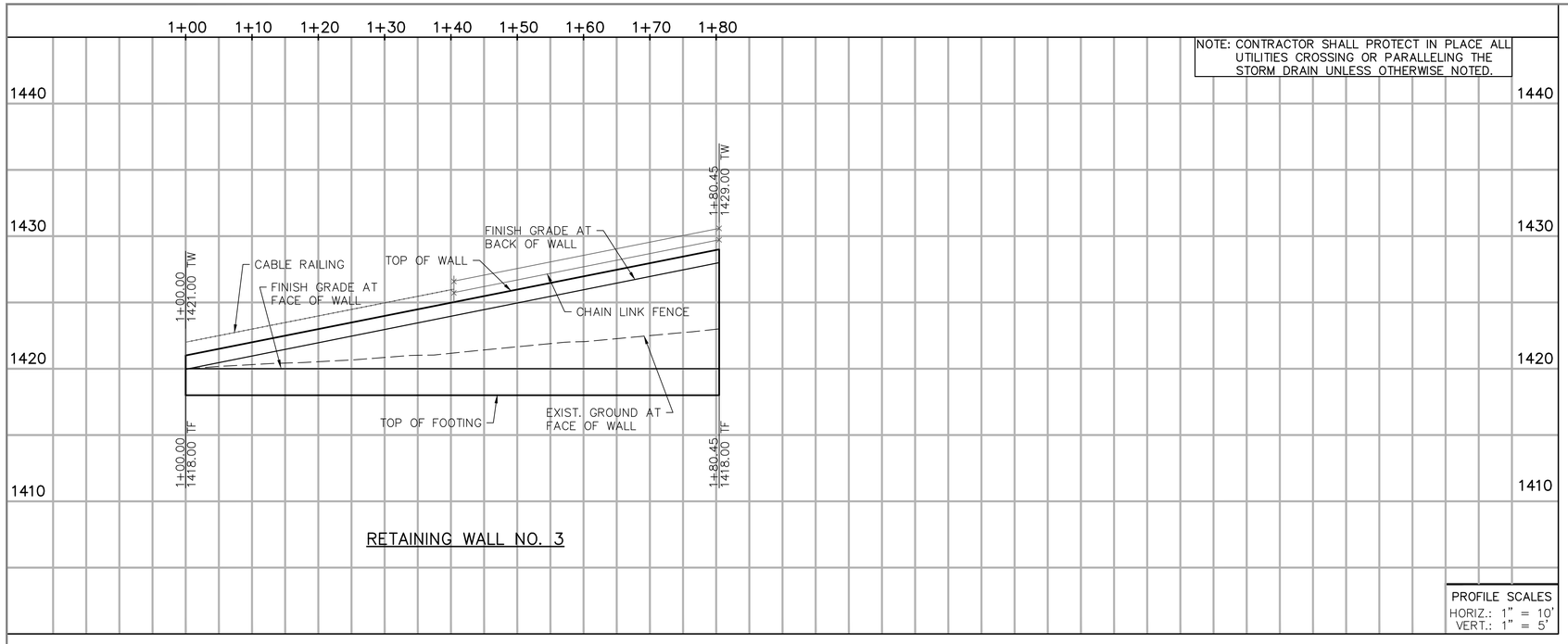
CITY OF PERRIS
REVIEWED BY:
CITY ENGINEER
DATE:

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY:
DATE:
APPROVED BY:
DATE:

PERRIS VALLEY MDP
PERRIS VALLEY CHANNEL
"NUEVO ROAD BRIDGE IMPROVEMENTS"
RETAINING WALL PLANS AND PROFILES

PROJECT NO.
4-0-00510
DRAWING NO.
4-1144
SHEET 10 OF 15

Drawing Name: O:\112.03.15\Engineering\Storm_Drain_Plan\112.03.15_SHEET_10.dwg
Last Opened: Oct 07, 2019 - 4:15pm by bwitzen

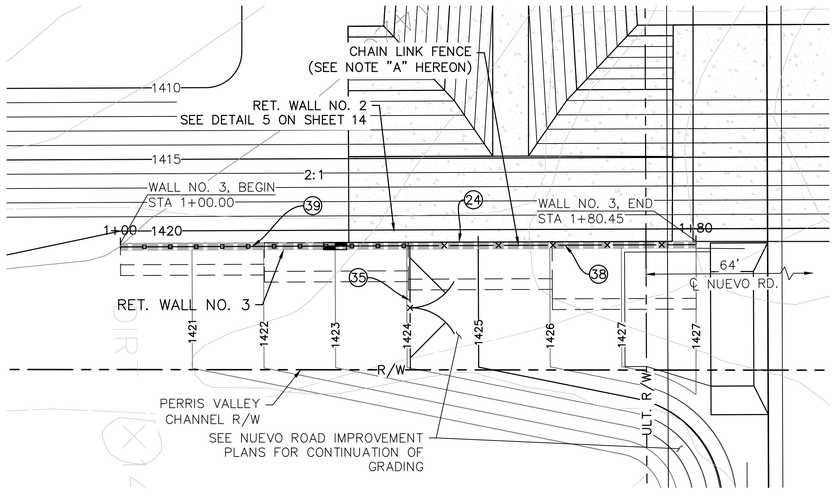


RETAINING WALL NO. 3

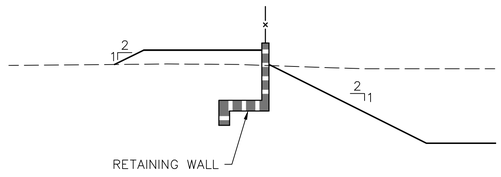
PROFILE SCALES
HORIZ.: 1" = 10'
VERT.: 1" = 5'

NOTES

A. CONTRACTOR SHALL INSTALL CHAN LINK FENCE ALONG RETAINING WALL FROM ROAD R/W TO PROPOSED GATE IN LIEU OF CABLE RAILING



RETAINING WALL NO. 3



SECTION AT STA: 1+30.00
TYPICAL FROM STATION 1+00.00 TO STA 1+80.45
(SCALE: 1"=10')

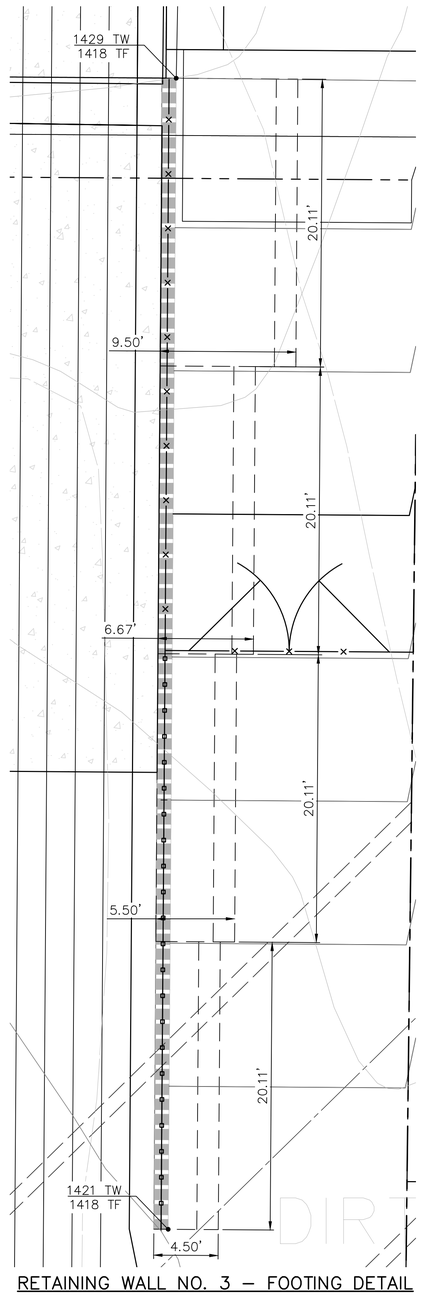
CONSTRUCTION NOTES

(24) CONSTRUCT RETAINING WALL PER DETAILS ON SHEET 12 & 14.

(35) CONSTRUCT DOUBLE DRIVE GATE PER RCFC & WCD STD. DWG. NO. M801.

(38) CONSTRUCT 6-FOOT CHAIN LINK FENCE PER RCFC&WCD STD. DWG. NO. M801.

(39) CONSTRUCT CABLE RAILING PER CALTRANS STD. PLAN B11-47.



RETAINING WALL NO. 3 – FOOTING DETAIL
SCALE: 1":=5'

GRAPHIC SCALE
20' 0 10' 20' 40'
1" = 20'

UNDERGROUND SERVICE ALERT
DIG ALERT
Call: TOLL FREE
1-800
227-2600
TWO WORKING DAYS BEFORE YOU DIG

SEAL–ENGINEER
REGISTERED PROFESSIONAL ENGINEER JOSEPH L. CASTANEDA NO. 59835 CIVIL STATE OF CALIFORNIA

JLC Engineering & Consulting, Inc.
41660 IVY STREET, SUITE A, MURRIETA, CA 92562
PH. 951.304.9552 FAX 951.304.3568

JOSEPH L. CASTANEDA R.C.E. 59835 DATE

BENCHMARK:
RIVERSIDE COUNTY BENCHMARK M-26-1. 1" I.P. TAGGED "RIV. CO. SURVEYOR" IN CAPPED WELL, DN. 0.7', AT THE CENTERLINE INTERSECTION OF NUEVO ROAD AND MURRIETA ROAD. NGVD 29 ELEVATION = 1421.325

REVISIONS

REF.	DESCRIPTION	APPR.	DATE

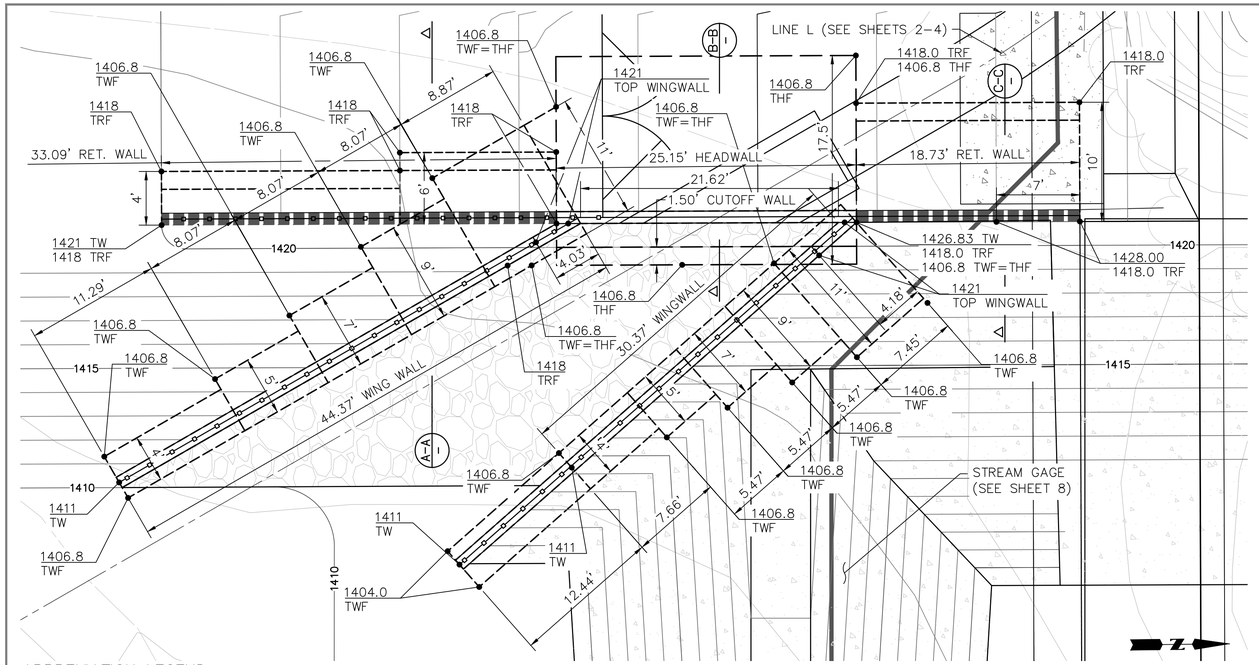
CITY OF PERRIS
REVIEWED BY:
CITY ENGINEER
DATE:

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY:
DATE:
APPROVED BY:
DATE:

PERRIS VALLEY MDP
PERRIS VALLEY CHANNEL
"NUEVO ROAD BRIDGE IMPROVEMENTS"
RETAINING WALL PLANS AND PROFILES

PROJECT NO. 4-0-00510
DRAWING NO. 4-1144
SHEET 11 OF 15

Drawing Name: Q:\112.03.15\Engineering\Storm_Drain_Plan\112.03.15_SHEET_11.dwg
Last Opened: Oct. 07, 2019 - 4:16pm by bwitzen



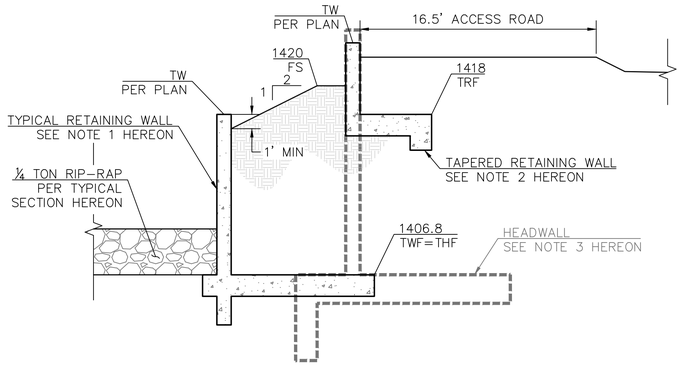
RETAINING WALL/HEADWALL/WINGWALL DETAIL
SCALE: 1"=6'

ABBREVIATION LEGEND

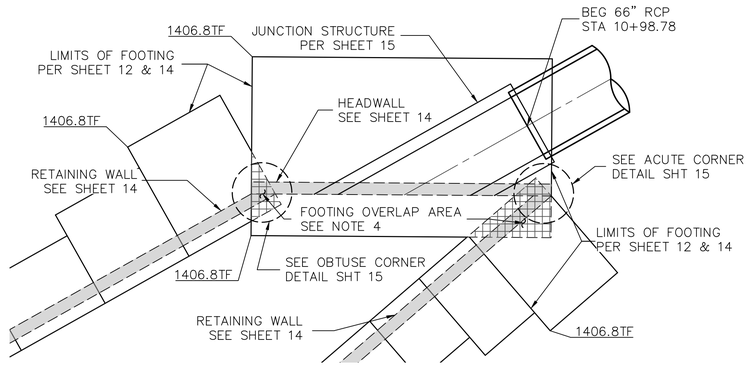
TWF = TOP OF WINGWALL FOOTING
THF = TOP OF HEADWALL FOOTING
TRF = TOP OF RETAINING WALL FOOTING

NOTES

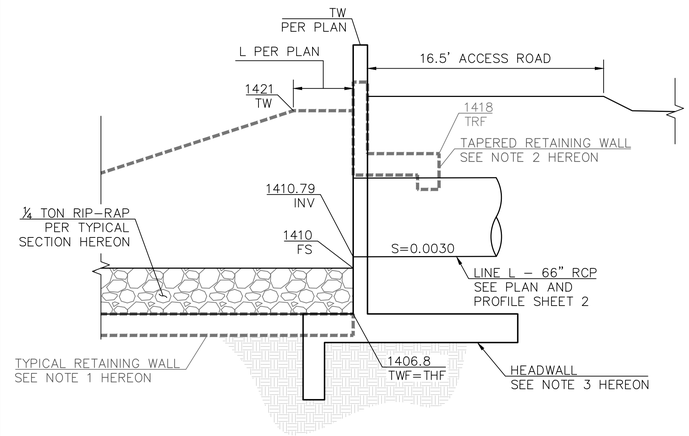
1. TYPICAL RETAINING WALL SECTION – SEE SHEET 14, DETAIL 4 FOR CONSTRUCTION DETAILS.
2. TAPERED RETAINING WALL – SEE SHEET 14, DETAIL 5 FOR CONSTRUCTION DETAILS.
3. HEADWALL – SEE SHEET 14, DETAIL 6 FOR CONSTRUCTION DETAILS.
4. FOOTING OVERLAP AREAS SHALL USE REBAR BASED ON STEEL CONFIGURATION SHOWN ON SHEET 14 FOR TYPICAL RETAINING WALL AND HEADWALL. THIS RESULTS IN OVERLAPPING REBAR. ADDITIONALLY THE FOOTING KEY SHALL ALSO BE CONSTRUCTED BASED ON TYPICAL RETAINING WALL AND HEADWALL. CONTRACTOR SHALL SUBMIT TO THE ENGINEER A SHOP DRAWING FOR THE REBAR CONFIGURATION AND FOOTING KEY IN THE OVERLAP AREA 96 HOUR PRIOR TO CONSTRUCTION.



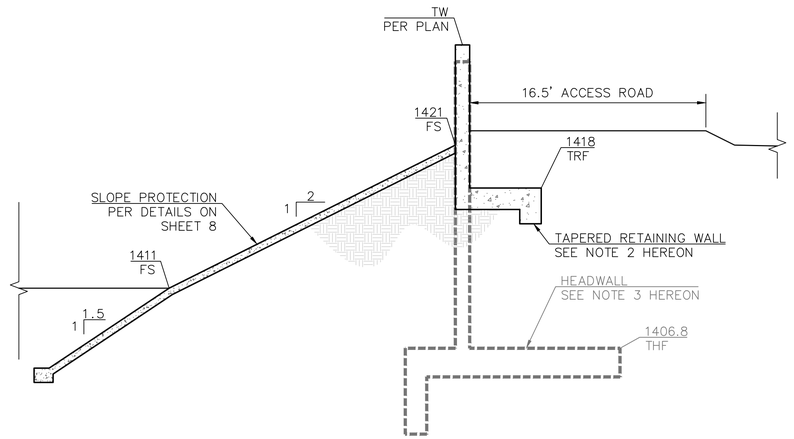
A-A TAPERED RETAINING WALL SECTION
SCALE: 1"=6'
(SEE NOTE 2 HEREON)



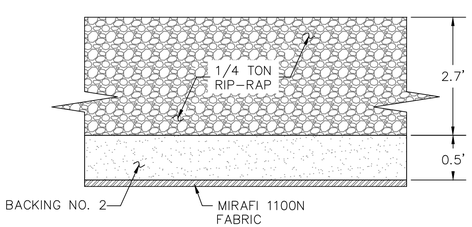
FOOTING OVERLAP AREA
SCALE: 1'=6"



B-B HEADWALL SECTION
SCALE: 1"=6'
(SEE NOTE 3 HEREON)



C-C TAPERED RETAINING WALL SECTION
SCALE: 1"=6'
(SEE NOTE 2 HEREON)



TYPICAL 1/4 TON RIP-RAP SECTION
N.T.S.

UNDERGROUND SERVICE ALERT
DIG ALERT
Call: TOLL FREE 1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

SEAL-ENGINEER
REGISTERED PROFESSIONAL ENGINEER JOSEPH L. CASTANEDA NO. 59835 CIVIL STATE OF CALIFORNIA

JLC Engineering & Consulting, Inc.
41660 IVY STREET, SUITE A MURRIETA, CA 92562
PH. 951.304.9552 FAX 951.304.3568

JOSEPH L. CASTANEDA R.C.E. 59835 DATE

BENCHMARK:
RIVERSIDE COUNTY BENCHMARK M-26-1. 1" I.P. TAGGED "RIV. CO. SURVEYOR" IN CAPPED WELL, DN. 0.7', AT THE CENTERLINE INTERSECTION OF NUEVO ROAD AND MURRIETA ROAD. NGVD 29 ELEVATION = 1421.325

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE

CITY OF PERRIS
REVIEWED BY:
CITY ENGINEER
DATE:

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY:
DATE:
APPROVED BY:
DATE:

PERRIS VALLEY MDP
PERRIS VALLEY CHANNEL
"NUEVO ROAD BRIDGE IMPROVEMENTS"
RETAINING WALL PLANS AND PROFILES

PROJECT NO. 4-0-00510
DRAWING NO. 4-1144
SHEET 12 OF 15

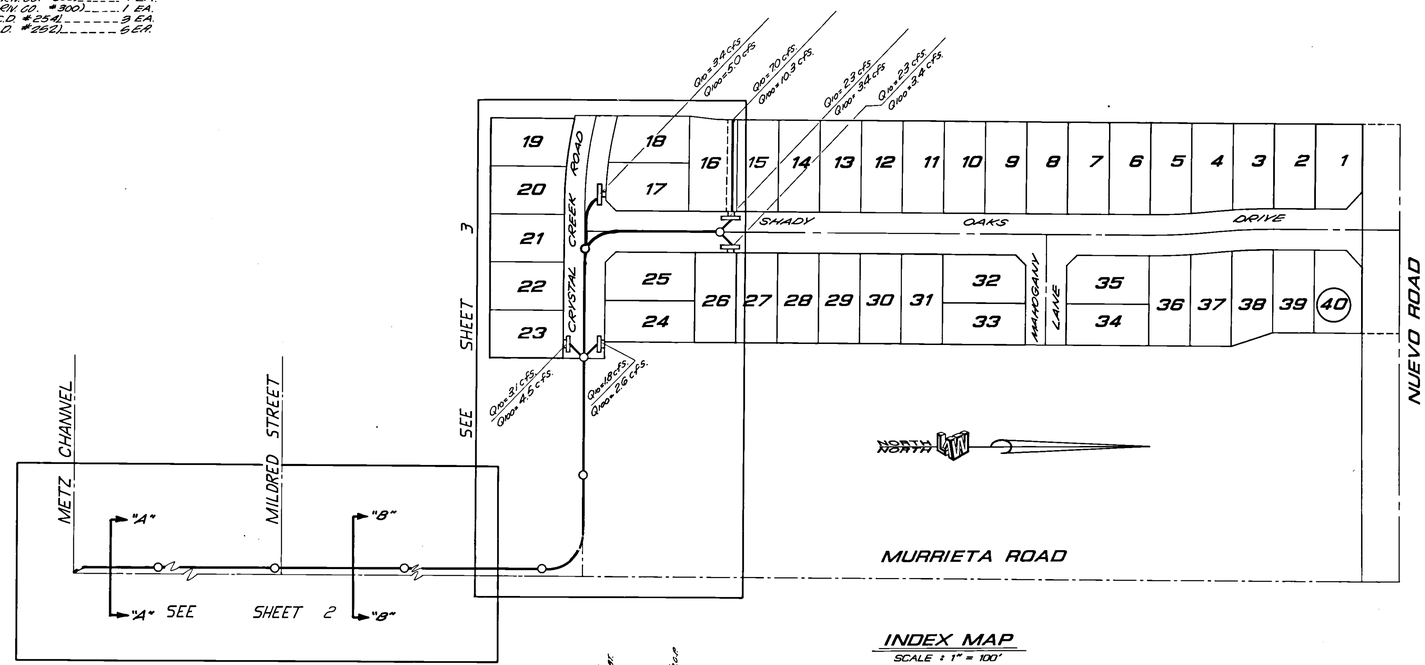
Drawing Name: C:\112.03.15\Engineering\Storm_Drain_Plan\112.03.15_SHEET_12.dwg
Last Opened: Oct 07, 2019 4:16pm by bwitten

LINE A (OFFSITE) STORM DRAIN PLANS..... EXCERPT B

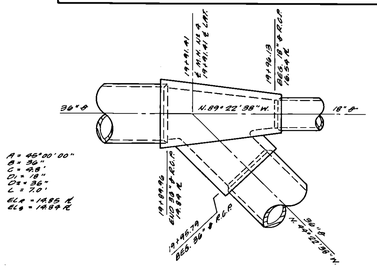
CITY OF PERRIS
TRACT NO. 23275
STORM DRAIN PLANS

QUANTITY ESTIMATE

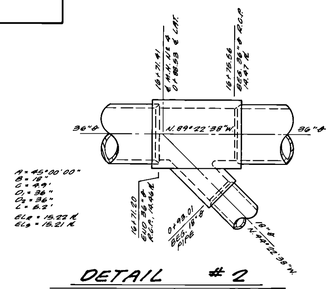
18" Ø R.C.P. (1750-D)	166 L.F.
30" Ø R.C.P. (1850-D)	196 L.F.
36" Ø R.C.P. (1850-D)	1453 L.F.
42" Ø R.C.P. (1800-D)	651 L.F.
4' CATCH BASIN (RIV.CO. #300)	4 EA.
7' CATCH BASIN (RIV. CO. #300)	1 EA.
MANHOLE (R.C.F.C.D. #254)	3 EA.
MANHOLE (R.C.F.C.D. #262)	6 EA.



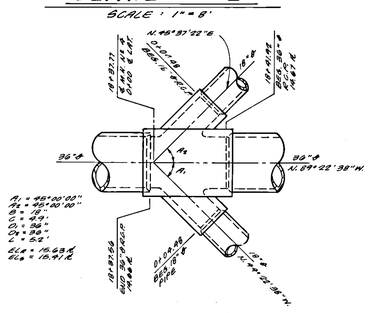
INDEX MAP
SCALE : 1" = 100'



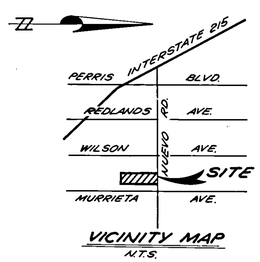
DETAIL # 1
SCALE : 1" = 8'



DETAIL # 2
SCALE : 1" = 8'



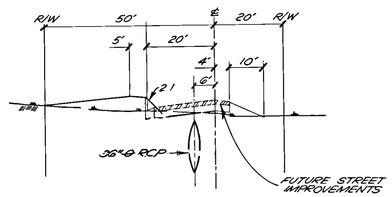
DETAIL #3
SCALE : 1" = 8'



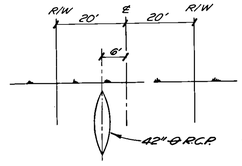
VICINITY MAP
N.T.S.

GENERAL NOTES

1. ALL ELEVATIONS SHOWN ARE IN FEET BASED ON U.S.C. & G.S. DATUM.
2. TIES TO CATCH BASINS ARE FROM CURB RETURN TO CENTERLINE OF THE CATCH BASIN UNLESS OTHERWISE SHOWN. WHERE NO TIE IS SHOWN THE LOCAL DEPRESSION SHALL START AT THE CURB RETURN.
3. CONTRACTOR TO PROVIDE COLLAR PER STD. M803 AT VERTICAL ANGLE POINTS OF LATERALS WHERE CHANGE OF GRADE EXCEEDS 0.10 FT./FT.
4. OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS "B" CONCRETE.
5. STREET RESURFACING SHALL BE 2-1/2 INCHES ASPHALT CONCRETE ON 4 INCHES CLASS II AGGREGATE BASE OR IN KIND, WHICHEVER IS GREATER UNLESS OTHERWISE NOTED.
6. 48 HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT.
7. ALL CROSS SECTIONS ARE TAKEN LOOKING UPSTREAM.
8. ELEVATIONS OF THE UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.
9. ALL CONNECTOR PIPES TIED TO CENTERLINE OF CATCH BASINS AT CURB FACE UNLESS OTHERWISE NOTED.
10. ALL STATIONING REFERS TO CENTERLINE CONSTRUCTION.
11. PIPE WITH LESS THAN TWO FEET OF COVER SHALL CONFORM TO LOS ANGELES COUNTY FLOOD CONTROL DISTRICT STANDARD DWGS. 2-D213.3 AND 2-D177 FOR CONCRETE BACKFILL IN TRENCHES; ALL OTHER PIPE SHALL CONFORM TO R.C.F.C. & W.C.D. STD. DWG. M815.



SECTION "B"
MURRIETA ROAD
FROM MILDRED TO TRACT BNDY.



SECTION "A"
MURRIETA ROAD
FROM METZ CHANNEL TO MILDRED

L A WAINSCOTT & ASSOCIATES, INC.
CIVIL ENGINEERS LAND SURVEYORS
22400 BARTON ROAD SUITE 200
GRAND TERRACE CALIFORNIA 92324 (714) 824-1775

APPROVED BY: R.C.E. 28248 EXP. 3-31-90 DATE 6/1/89

REGISTERED PROFESSIONAL ENGINEER RUSSELL E. SHEARD No. 28248 Exp 3-31-90 CIVIL STATE OF CALIFORNIA

VAN DAELE DEVELOPMENT CO.

DESIGNED BY BEQUE DRAWN BY V.D.L. CHECKED BY E.S.

DATUM MARK:
ELEV. = 1421.33
FD. 1" I.P. WITH RIV. CO. SURVEYOR TAG IN MONUMENT WELL AT THE CENTERLINE INTERSECTION OF NUEVO ROAD AND MURRIETA ROAD (ON. 8")
RIVERSIDE CO. B.M. M-28-1

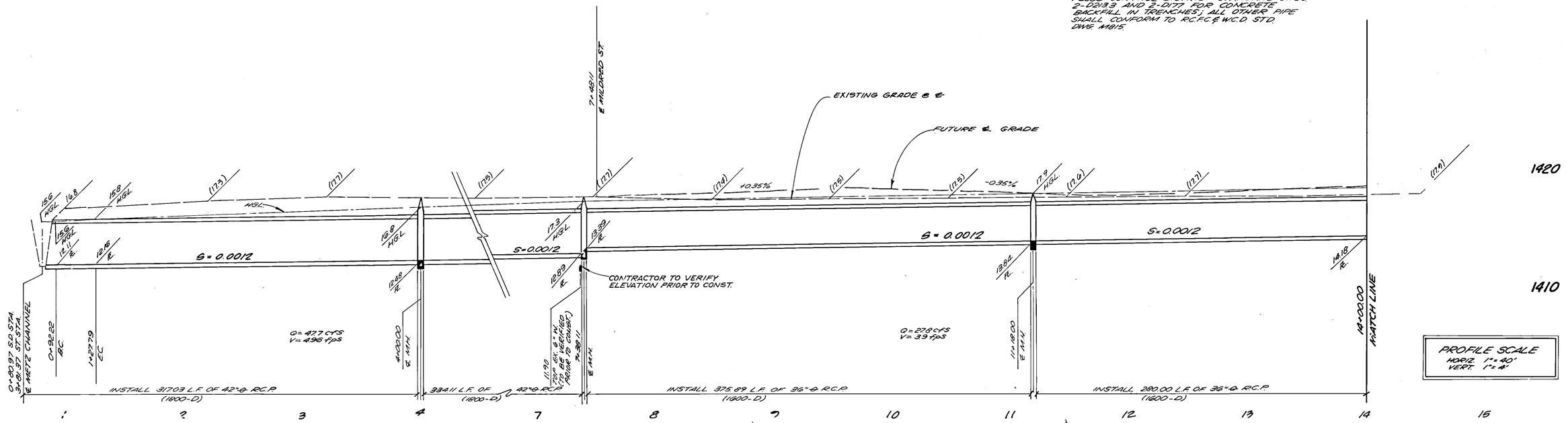
CITY OF PERRIS
CALIFORNIA
APPROVED BY: [signature] (6-30-89 DATE)

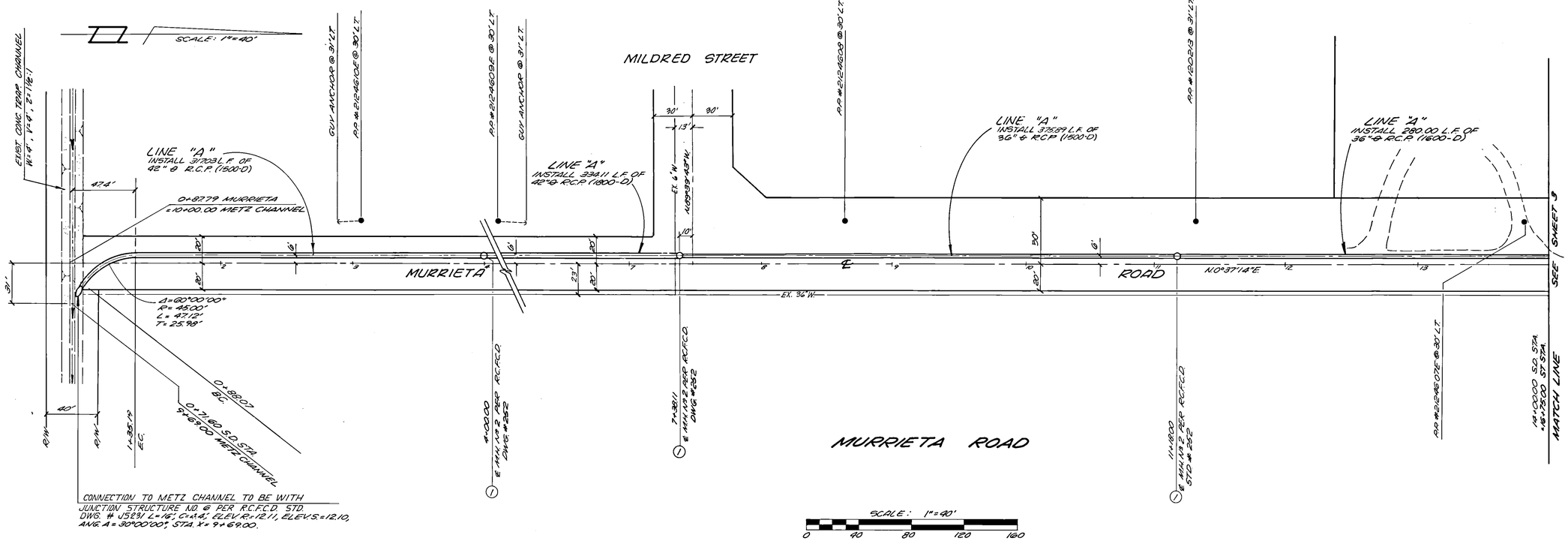
STORM DRAIN PLAN & PROFILE
TRACT NO. 23275
INDEX SHEET

SHT. 1 OF 3
W.O. 605.06D

89-039 P.OB

BEDDING NOTE:
PIPE WITH LESS THAN TWO FEET OF COVER SHALL CONFORM TO LOS ANGELES COUNTY FLOOD CONTROL DISTRICT STANDARD DWGS. 2-D2133 AND 2-D177 FOR CONCRETE BACKFILL IN TRENCHES; ALL OTHER PIPE SHALL CONFORM TO R.C.F.C.& W.C.D. STD. DWG. #1815.





CONSTRUCTION NOTE
① CONSTRUCT MANHOLE No 2 PER R.C.F.C.D. DWG. No 252.

REGISTERED PROFESSIONAL ENGINEER RUSSELL E. SCOTT No. 28248 Exp. 3-31-90 CIVIL STATE OF CALIFORNIA

L A WAINSCOTT & ASSOCIATES, INC.
CIVIL ENGINEERS LAND SURVEYORS
22400 BARTON ROAD SUITE 200
GRAND TERRACE, CALIFORNIA 92324 (714) 824-1775
APPROVED BY: Lamar E. Shay DATE 6/1/89
R.C.E. 28248 EXP. 3-31-90

VAN DAELE DEVELOPMENT CO.

DESIGNED BY BERNIE DRAWN BY RL. CHECKED BY E.S.

BENCH MARK:
ELEV. = 1421.33
FD. 1" I.P. WITH RIV. CO. SURVEYOR TAG IN MONUMENT WELL AT THE CENTERLINE INTERSECTION OF NUEVO ROAD AND MURRIETA ROAD (ON. 8")
RIVERSIDE CO. B.M. M-28-1

CITY OF PERRIS CALIFORNIA
APPROVED BY: [signature] 12-30-87 DATE

STORM DRAIN PLAN & PROFILE
TRACT NO. 23275
MURRIETA ROAD
FROM STA. 0+80± TO STA. 14+00

SHT 2 OF 3
W.O. 605.06D

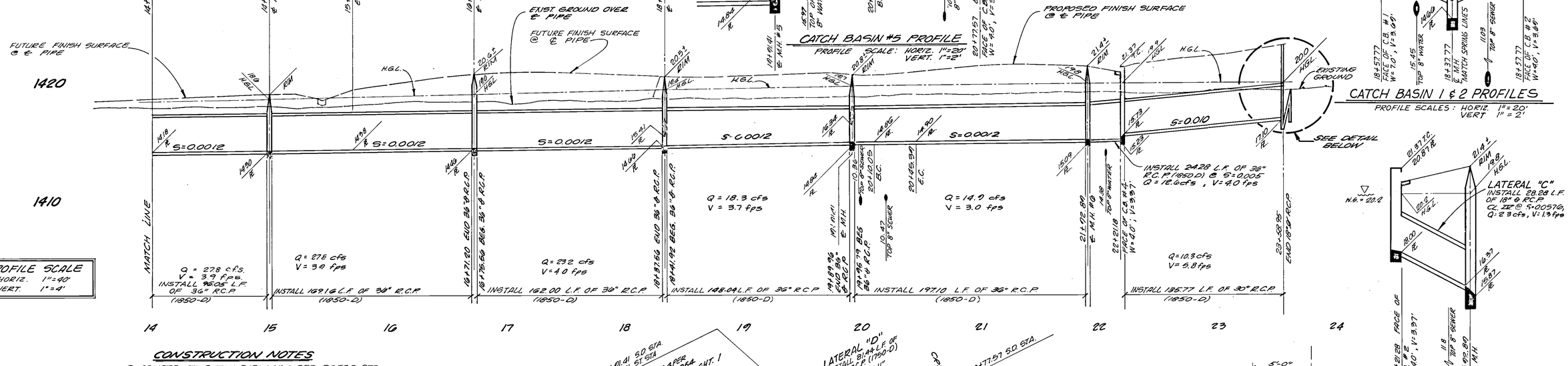
P8-039 RCR

BEDDING NOTE:
PIPE WITH LESS THAN TWO FEET OF COVER SHALL CONFORM TO LOS ANGELES COUNTY FLOOD CONTROL DISTRICT STANDARD DWGS. 2-D213.3 AND 2-D17. FOR CONCRETE BACKFILL IN TRENCHES; ALL OTHER PIPE SHALL CONFORM TO R.C.F.C.&W.C.D. STD. DWG. M-815.

LATERAL "D"
INSTALL 81.44 L.F. OF 18" ø R.C.P. CL. III @ S=0.0158, Q=3.4 CFS, V=1.9 fps

LATERAL "B"
INSTALL 23.80 L.F. OF 18" ø R.C.P. CL. III @ S=0.0492, Q=1.8 cfs, V=1.0 fps

LATERAL "A"
INSTALL 23.80 L.F. OF 18" ø R.C.P. CL. III @ S=0.0492, Q=3.1 cfs, V=1.8 fps.

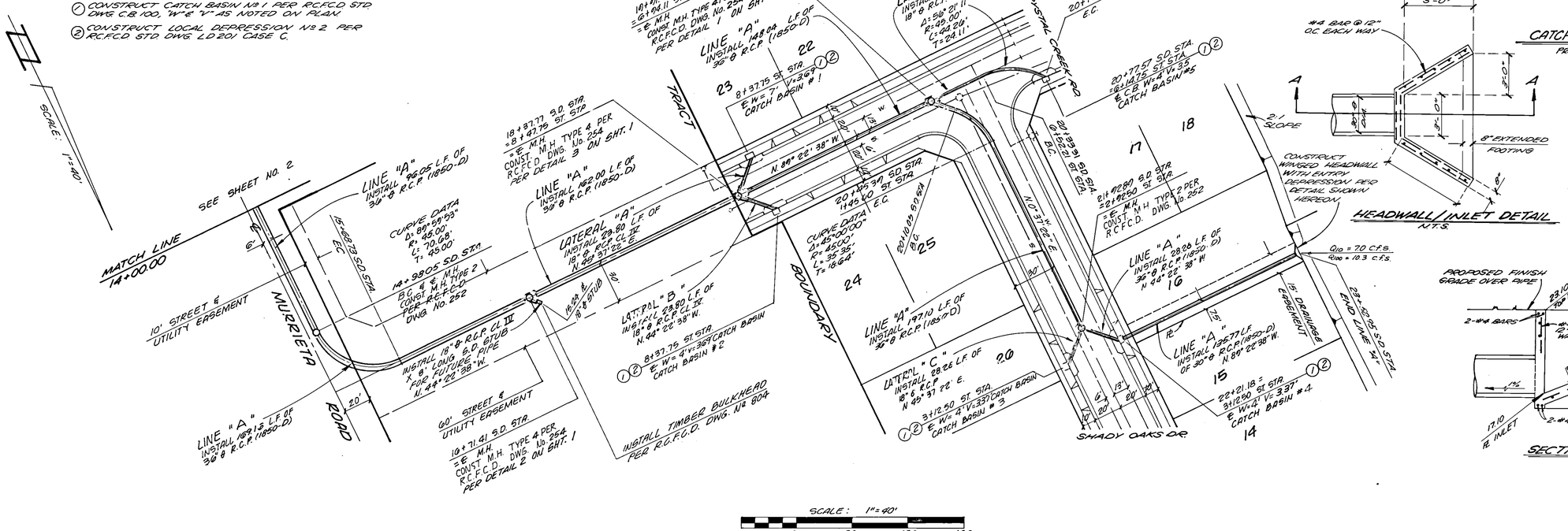


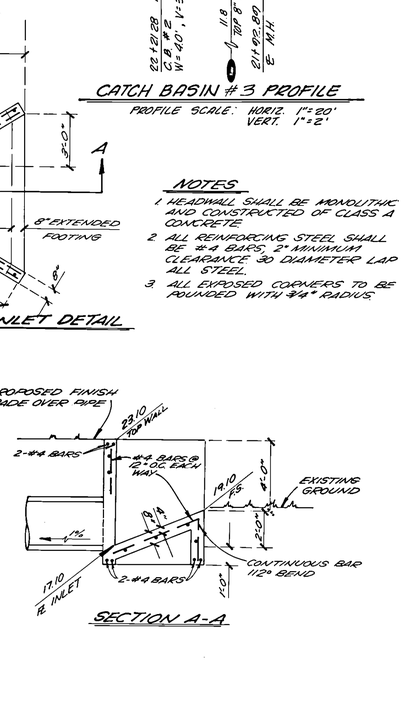
PROFILE SCALE
HORIZ. 1"=40'
VERT. 1"=4'

14 15 16 17 18 19 20 21 22 23 24

CONSTRUCTION NOTES

1. CONSTRUCT CATCH BASIN NO 1 PER R.C.F.C.D. STD. DWG C.B 100, "W" & "V" AS NOTED ON PLAN.
2. CONSTRUCT LOCAL DEPRESSION NO 2 PER R.C.F.C.D. STD. DWG. LD 201 CASE C.





NOTES
1. HEADWALL SHALL BE MONOLITHIC AND CONSTRUCTED OF CLASS A CONCRETE
2. ALL REINFORCING STEEL SHALL BE #4 BARS, 2" MINIMUM CLEARANCE 30 DIAMETER LAP ALL STEEL.
3. ALL EXPOSED CORNERS TO BE ROUNDED WITH #4" RADIUS.

SCALE: 1"=40'
0 40 80 120 160

REGISTERED PROFESSIONAL ENGINEER RUSSELL E. SWARP No. 28248 Exp. 3 31 90 R.C.E. CIVIL STATE OF CALIFORNIA

L A WAINSCOTT & ASSOCIATES, INC.
CIVIL ENGINEERS LAND SURVEYORS
22400 BARTON ROAD SUITE 200
GRAND TERRACE CALIFORNIA 92324 (714) 824-1775
APPROVED BY: Russell E. Swarp DATE 6/1/89
R.C.E. 28248 EXP. 3-31-90

VAN DALE DEVELOPMENT CO.

DESIGNED BY BERNIE ROAN DRAWN BY R.L. CHECKED BY E.S.

BENCH MARK
ELEV. = 1421.33
FD. 1" I.P. WITH RIV. CO. SURVEYOR TAG IN MONUMENT WELL AT THE CENTERLINE INTERSECTION OF NUEVO ROAD AND MURRIETA ROAD (ON. 8")
RIVERSIDE CO. B.M. M-28-1

CITY OF PERRIS CALIFORNIA
APPROVED BY: [signature] DATE 12-12-87

STORM DRAIN PLAN & PROFILE
TRACT NO. 23275

SHT 3 OF 3
W.O. 605.06D

12 C/8

THIS PAGE INTENTIONALLY LEFT BLANK