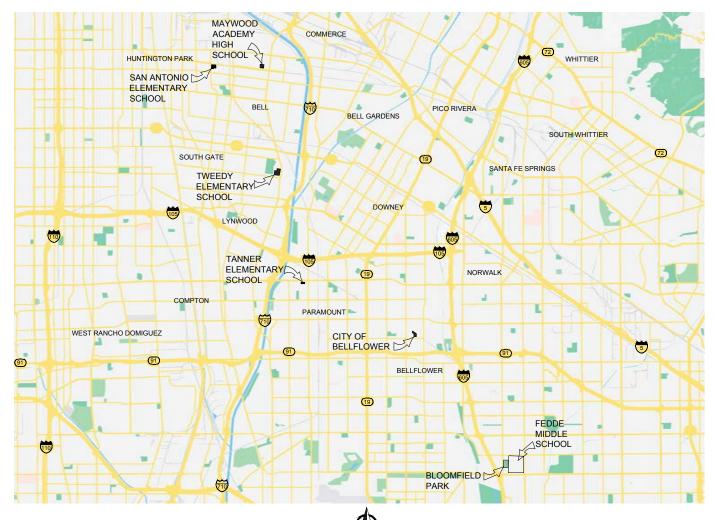
# **APPENDIX 2**

# PROP 1 RECYCLED WATER CUSTOMER CONVERSION FOR DISADVANTAGED COMMUNITIES

**APRIL 2024** 

PROJECT NO. REX 1007 SPECIFICATION NO. CB-05-82



	[	DRAWING INDEX
SHEET NO.	PROJECT SITE	DESCRIPTION
1		TITLE SHEET, VICINITY MAP, LOCATION MAP, AND DRAWING INDEX
2		GENERAL/CONSTRUCTION NOTES, LEGENDS, ABBREVIATIONS, AND CONTACTS
3	CITY OF BELLFLOWER	EXISTING SITE PLAN
4	CITY OF BELLFLOWER	CONVERSION PLAN
5	CITY OF BELLFLOWER	CONSTRUCTION DETAILS
6	TWEEDY ELEMENTARY	EXISTING SITE PLAN
7	TWEEDY ELEMENTARY	CONVERSION PLAN
8	TWEEDY ELEMENTARY	CONSTRUCTION DETAILS
9	SAN ANTONIO ELEMENTARY	EXISTING SITE PLAN
10	SAN ANTONIO ELEMENTARY	CONVERSION PLAN
11	SAN ANTONIO ELEMENTARY	CONSTRUCTION DETAILS
12	TANNER ELEMENTARY	EXISTING SITE PLAN
13	TANNER ELEMENTARY	CONVERSION PLAN
14	TANNER ELEMENTARY	CONSTRUCTION DETAILS
15	MAYWOOD ELEMENTARY	EXISTING SITE PLAN
16	MAYWOOD ELEMENTARY	CONVERSION PLAN/INDEX MAP
17	MAYWOOD ELEMENTARY	CONVERSION PLAN
18	MAYWOOD ELEMENTARY	CONVERSION PLAN
19	FEDDE MIDDLE SCHOOL	EXISTING SITE PLAN
20	FEDDE MIDDLE SCHOOL	CONVERSION PLAN
21	FEDDE MIDDLE SCHOOL	CONSTRUCTION DETAILS
22	BLOOMFIELD PARK	EXISTING SITE PLAN
23	BLOOMFIELD PARK	CONVERSION PLAN
24	BLOOMFIELD PARK	CONTRUCTION DETAILS
25		LACDPH REQUIREMENTS AND LAUSD RECYCLED WATER GENERAL NOTES

DETAILS



#### SITES ADDRESSES:

SITE #1: CITY OF BELLFLOWER 16600 CIVIC CENTER DR BELLFLOWER CA 90706

SITE #2: TWEEDY ELEMENTARY SCHOOL 9724 PINEHURST AVENUE SOUTH GATE, CA 90280

SITE #3: SAN ANTONIO ELEMENTARY SCHOOL
6222 STATE STREET

HUNTINGTON PARK, CA 90255

TE #4: TANNER ELEMENTARY SCHOOL 7210 ROSECRANS BLVD PARAMOUNT, CA 90723

SITE #5: MAYWOOD ACADEMY HIGH SCHOOL 6215 PINE AVENUE MAYWOOD, CA 90270

SITE #6: FEDDE ELEMENTARY SCHOOL 21409 ELAINE AVE, HAWAIIAN GARDENS, CA 90716

SITE #7: BLOOMFIELD PARK 21420 PIONEER BLVD,

						PROGRESS:	1ST SUBMITTAL
							131 30BWITTAL
						SUBMITTAL DATE:	
						PROJECT MANAGER:	JM
						DESIGNED BY:	CM
						DRAWN BY:	JH,RM
REV	DESCRIPTION	ENGR	DATE	APPD	DATE	CHECKED BY:	JM
						OFFICIALD DT.	UIVI







CENTRAL BASIN MUNICIPAL WATER DISTRICT PROP 1 RECYCLED WATER CUSTOMER CONVERSION FOR DISADVANTAGED COMMUNITIES

TITLE SHEET, VICINITY MAP, GENERAL NOTES, AND DRAWING INDEX

DRAWING NO

SHT NO. <u>1</u> of <u>26</u>

HTTPS: //www.lacsd.org/services/wastewater-programs-permits/water-reuse-program/user-requirements-forms-and-handbook

THE STANDARD SPECIFICATIONS FOR THE PUBLIC WORKS CONSTRUCTION LATEST EDITION AND SUPPLEMENTS THERETO, AS WRITTEN AND PROMULGATED BY THE PUBLIC WORKS STANDARDS, INC., AND TO THE UNIFORM PLUMBING CODE FOR ALL LANDSCAPE IRRIGATION DESIGN AND INSTALLATION

- 2.A CENTRAL BASIN MUNICIPAL WATER DISTRICT (CBMWD) REPRESENTATIVE SHALL BE NOTIFIED 3 BUSINESS DAYS PRIOR TO THE START OF ANY CONSTRUCTION
- 3.EXISTING UNDERGROUND UTILITIES ARE SHOWN PER AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO VERIFY AND DOCUMENT ON RECORD DRAWINGS THE ACTUAL LOCATION AND ELEVATIONS IN THE FIELD OF ALL UTILITIES AND ALL POINTS OF CONNECTION. THE FIELD VERIFICATION (POTHOLING) SHALL BE COMPLETED PRIOR TO THE COMMENCEMENT OF ANY MODIFICATIONS TO THE IRRIGATION SYSTEM AND CONNECTION TO THE METER.
- 4.THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) AT 1-800-227-2500 AND ALL PUBLIC UTILITY COMPANIES AND OWNERS OF ALL PRIVATE FACILITIES AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY WORK WITHIN SAID AREA.
- 5.IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, VERIFY DEPTH AND PROTECT ALL STRUCTURES, INCLUDING SUBSTRUCTURES, SHOWN ON THE PLANS. THE CONTRACTOR SHALL BEAR THE ENTIRE COST OF REPAIRING OR REPLACING ANY OF SAID STRUCTURES DAMAGED BY HIM/ HER DURING PROSECUTION OF THE WORK. ALL REPAIRS AND REPLACEMENTS SHALL BE DONE IN THE PRESENCE OF CBMWD REPRESENTATIVE.
- 6.PERMIT (LA COUNTY PUBLIC HEALTH, CITY PLUMBING PERMIT), FEES, ETC. THE CONTRACTOR SHALL ARRANGE AND PAY FOR NECESSARY CITY BUILDING PERMITS AND CITY FEES.
- 7. CONTRACTOR SHALL RESTORE SITE AND VEGETATION TO PRE-CONSTRUCTION CONDITIONS AT THE END OF THE PROJECT PER OWNER'S REPRESENTATIVE APPROVAL. CONTRACTOR SHALL VIDEOTAPE THE PROJECT SITE PRIOR TO THE STARTING OF CONSTRUCTION.
- 8.ALL NEW REMOTE CONTROL VALVES, GATE VALVES AND PRESSURE RELIEF VALVES SHALL BE INSTALLED IN SUITABLE VALVE BOXES COMPLETE WITH LOCKING AND HINGED COVERS. EACH SHALL BE MARKED WITH RW'TO INDICATE THE USE OF RECYCLED WATER. THE STATION NUMBER FOR CONTROL VALVES SHALL BE IDENTIFIED WITH AN I.D. TAG.
- 9.QUICK COUPLERS AND ELECTRICAL CONTROLLERS SHALL BE IDENTIFIED WITH THE PROPER SIGNAGE. QUICK COUPLERS SHALL BE NEW 1" ACME THREADED AND INSTALLED IN PURPLE VALVE BOXES.
- 10.RECYCLED WATER SIGNS SHALL BE INSTALLED AT LOCATIONS AGREEABLE TO THE CITY, CBMWD AND LOS ANGELES COUNTY DEPARTMENT OF PUBLIC HEALTH AS SHOWN ON PLANS. SIGNS MAY BE MOUNTED ON POLES, ATTACHED TO EXISTING FENCES, BUILDINGS OR EXISTING POLE MOUNTED SIGNS.
- 11. ALL CONCRETE SHALL BE 560-C-3250 UNLESS OTHERWISE SPECIFIED.
- 12. PRIOR TO DELIVERING RECYCLED WATER TO THE PROPERTY, A SUCCESSFUL CROSS CONNECTION TEST WILL BE REQUIRED. THE FOLLOWING AGENCIES MAY BE PARTICIPATING IN THE TESTS: CITY WATER PURVEYOR, LOS ANGELES COUNTY DEPARTMENT OF PUBLIC HEALTH, AND CBMWD. THE CONTRACTOR WILL BE REQUIRED TO SEQUENCE THEIR WORK TO ALLOW FOR THE CROSS CONNECTION TEST PRIOR TO PERFORMING THE DISCONNECTION OF THE POTABLE WATER AND CONNECTION OF THE RECYCLED WATER TO THE EXISTING IRRIGATION SYSTEM. THE CONTRACTOR SHALL PLAN TO PROVIDE 8 HOURS OF LABOR TO ASSIST DURING TESTING.
- 13. THIS SYSTEM IS DIAGRAMMATIC, ALL PIPE, VALVE, ETC. SHOWN ARE DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHEREVER POSSIBLE.
- 14. DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS INDICATED ON THE DRAWINGS WHEN ITS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR GRADE DIFFERENCE EXIST AND SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR REVISIONS NECESSARY.
- 15. QUALITY CONTROL OBSERVATION SEQUENCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 16. CLEAN-UP CONTROL OBSERVATION SEQUENCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 17. WORKING HOURS SHALL BE PER CITY.
- 18. CONTRACTOR TO REMOVE ABANDONED ROTARY HEADS AND VALVES. EXISTING LATERALS MAY BE ABANDONED IN PLACE.
- 19. CONTRACTOR TO CONTACT THE PROJECT MANAGER, CBMWD AND LOS

ANGELES COUNTY DEPARTMENT OF PUBLIC HEALTH PRIOR TO START OF CONSTRUCTION FOR A PRE-CONSTRUCTION MEETING. ALLOW 48 HOURS LEAD TIME.

- 20.CONTRACTOR TO CONTACT THE PROJECT MANAGER, CBMWD AND LOS ANGELES COUNTY DEPARTMENT OF PUBLIC HEALTH FOR SITE INSPECTIONS OF ALL ONSITE WATER FACILITIES BEFORE BURIED. INSPECTION REQUEST SHALL BE MADE A MINIMUM OF 24 HOURS IN ADVANCE OF INSPECTION OF IRRIGATION, DOMESTIC AND FIRE WATER USE ONSITE.
- 21. CONTRACTOR SHALL REPAIR ANY BROKEN IRRIGATION LINES WITHIN THE AREA OF WORK AS A RESULT OF CONSTRUCTION ACTIVITIES. ALL GRASS AREAS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH SOD TO THE SATISFACTION OF THE OWNER.

#### GENERAL CONSTRUCTION NOTES

- 1.INSTALL RECYCLED WATER IDENTIFICATION SIGN (T CHRISTY SKU: ID-SIGN4) AT LOCATIONS AS SHOWN BY
- 2.RECYCLED WATER IRRIGATION VALVES AND QUICK COUPLERS SHALL HAVE PURPLE RECYCLED WATER ID TAG (T CHRISTY SKU: ID-MAX-P2-RC007) AFFIXED TO DEVICE
- 3.ALL IRRIGATION BOXES SHALL HAVE RECYCLED WATER VALVE BOX NAMEPLATE ( T CHRISTY SKU: 3800) INSTALLED ON THE LID.
- 4.REPLACE QUICK COUPLER WITH NEW 1-INCH ACME THREAD STYLE COUPLER WITH PURPLE LOCKING COVER (RAINBIRD 33DNP). INSTALL QUICK COUPLER IN A NEW PURPLE 10-INCH ROUND VALVE BOX.
- 5.REMOVE CONTROL VALVES ARE NOT TO BE REPLACED.

#### SPECIAL NOTES: AS-BUILTS

SPECIAL REQUIREMENTS FOR AS-BUILT INFORMATION:

THE AS-BUILT BASE PLANS PROVIDED AFTER EACH STAKING VISIT SHALL BE USED FOR RECORDING THE AS-BUILT INFORMATION. THIS INFORMATION SHALL BE MAINTAINED DAILY DURING CONSTRUCTION AND SHALL BE AVAILABLE ON SITE AT ALL TIMES. THE AS-BUILT PLAN SHALL BE SUBMITTED MONTHLY FOR THE AREA COMPLETED ALONG WITH THE PROGRESS PAYMENT REQUEST.

CONTACT THE ENGINEER WITH ANY QUESTIONS REGARDING THE RECORDING OF THE AS-BUILT INFORMATION.

IF NECESSARY CONTRACTOR SHALL PROVIDE FLAGGING OF ALL SPRINKLER HEADS AND VALVES PRIOR TO CONSTRUCTION AND SHALL RECORD THESE VALVES ON THE AS-BUILTS.

#### ABBREVIATIONS

CBMWD	CENTRAL BASIN MUNICIPAL WATER DISTRICT
DDW	STATE WATER RESOURCES CONTROL BOARD DIVISION OF DRINKING WATER
DW	DOMESTIC WATER
EX	EXISTING
LACSD	LOS ANGELES COUNTY SANITATION DEPARTMENT
LACDPH	LOS ANGELES COUNTY DEPARTMENT OF PUBLIC HEALTH
LF	LINEAR FEET
MAX	MAXIMUM
MIN	MINIMUM
NPW	NON-POTABLE WATER
OWNER	CUSTOMERS LISTED UNDER CONTRACTS
PRV	PRESSURE REDUCING VALVE
RPPD	REDUCED PRESSURE PRINCIPAL DEVICE
RW	RECYCLED WATER
SCH	SCHEDULE
STA	STATION
TYP	TYPICAL

#### CONTACTS

SITE#1 SUPERVISOR: CITY OF BELLFLOWER
16600 CIVIC CENTER DR
BELLFLOWER, CA 90706

(562) 804-1424
SITE#1
WATER PURVEYOR: BELLFLOWER-SOMERSET MUTUAL WATER

COMPANY 10016 FLOWER STREET BELLFLOWER, CA 90706 (562) 866-9980

SITE#2 SUPERVISOR: TWEEDY ELEMENTARY SCHOOL 9724 PINEHURST AVENUE SOUTH GATE, CA 90280

(323) 568-2828

WATER PURVEYOR: CITY OF SOUTH GATE

8650 CALIFORNIA AVE

SOUTH GATE, CA 90280

(323) 563-9500

SITE#3 SUPERVISOR: SAN ANTONIO ELEMENTARY SCHOOL

HUNTINGTON PARK, CA 90255

(323) 582-1250

WATER PURVEYOR: CITY OF HUNTINGTON PARK
6550 MILES AVE

HUNTINGTON PARK, CA 90255

(323) 584-6277

SITE#4 SUPERVISOR: TANNER ELEMENTARY SCHOOL 7210 ROSECRANS BLVD

PARAMOUNT, CA 90723 (323) 582-1250

SITE#4

WATER PURVEYOR: CITY OF PARAMOUNT
16400 COLORADO AVE

PARAMOUNT, CA 90723

(562) 220-2010

SITE#5 SUPERVISOR: MAYWOOD ACADEMY HIGH SCHOOL

6215 PINE AVENUE MAYWOOD, CA 90270

(323) 838-6000

WATER PURVEYOR: CITY OF HUNTINGTON PARK

6550 MILES AVE HUNTINGTON PARK, CA 90255

(323) 584-6277

SITE#6 SUPERVISOR: FEDDE MIDDLE SCHOOL

21409 ELAINE AVE HAWAIIAN GARDENS, CA 90716 (562) 229-7805

SITE#6
WATER PURVEYOR: GOLDEN STATE WATER COMPANY

630 E. FOOTHILL BOULEVARD
SAN DIMAS. CA 91773

(800) 999-4033

SITE#7 SUPERVISOR:

BLOOMFIELD PARK
21420 PIONEER BLVD
LAKEWOOD, ACA 90715

(562) 865-1717

(800) 999-4033

SITE#7
WATER PURVEYOR: GOLDEN STATE WATER COMPANY

630 E. FOOTHILL BOULEVARD SAN DIMAS, CA 91773

64696

#### LEGEND

EXISTING DOMESTIC WATER MAIN LINE (OFFSITE)

EXISTING DOMESTIC WATER MAIN LINE (ONSITE)

EXISTING DOMESTIC IRRIGATION MAIN LINE

EXISTING RECYCLED WATER IRRIGATION MAIN LINE

EXISTING RECYCLED WATER MAIN LINE

NEW RECYCLED WATER IRRIGATION MAIN LINE

EXISTING FIRE PROTECTION SERVICE MAIN LINE

LIMIT OF WORK

SS SS SS EXISTING GAS LINE

EXISTING SEWER LINE

SSD SD EXISTING STORM DRAIN LINE

RIGHT OF WAY

PERIMETER FENCE

PROPOSED RW IRRIGATION AREAS

#### EXISTING NPW IRRIGATION EQUIPMENT

QUICK COUPLING VALVE

REMOTE CONTROL VALVE

MAINLINE GATE VALVE − RESILIENT WEDGE

24 STATION IRRIGATION CONTROLLER

R PRESSURE REGULATING RELIEF VALVE☑ RPPD BACKFLOW PREVENTER

M WATER METER

ATMOSPHERIC VACCUM BREAKER OR PRESSURE VACUUM BREAKER

#### EXISTING DW EQUIPMENT

RPPD BACKFLOW PREVENTER

M WATER METER

DRINKING FOUNTAIN

P WATER PUMP

HOSE BIBB IN WALL

#### NEW RW IRRIGATION EQUIPMENT

QUICK COUPLING VALVE

REMOTE CONTROL VALVE

MAINLINE GATE VALVE - RESILIENT WEDGE OR BALL VALVE

WATER METER

PRESSURE REDUCER

MASTER VALVE

RECYCLED WATER SIGN

WATER PUMP

RPPD BACK FLOW PREVENTOR

■ END CAP

CENTRAL BASIN MUNICIPAL WATER DISTRICT PROP 1 RECYCLED WATER CUSTOMER CONVERSION FOR DISADVANTAGED COMMUNITIES

LEGENDS, NOTES, ABBREVIATIONS, AND CONTACTS

C-2

DRAWING NO

CONTACTS SHT NO. 2 OF 26

File: P:\JOBS\1432301\CAD\SHEETS\ONSITE\1432301 02 NC

PROGRESS: 1ST SUBMITTAL

SUBMITTAL DATE:

PROJECT MANAGER: JM

DESIGNED BY: CM

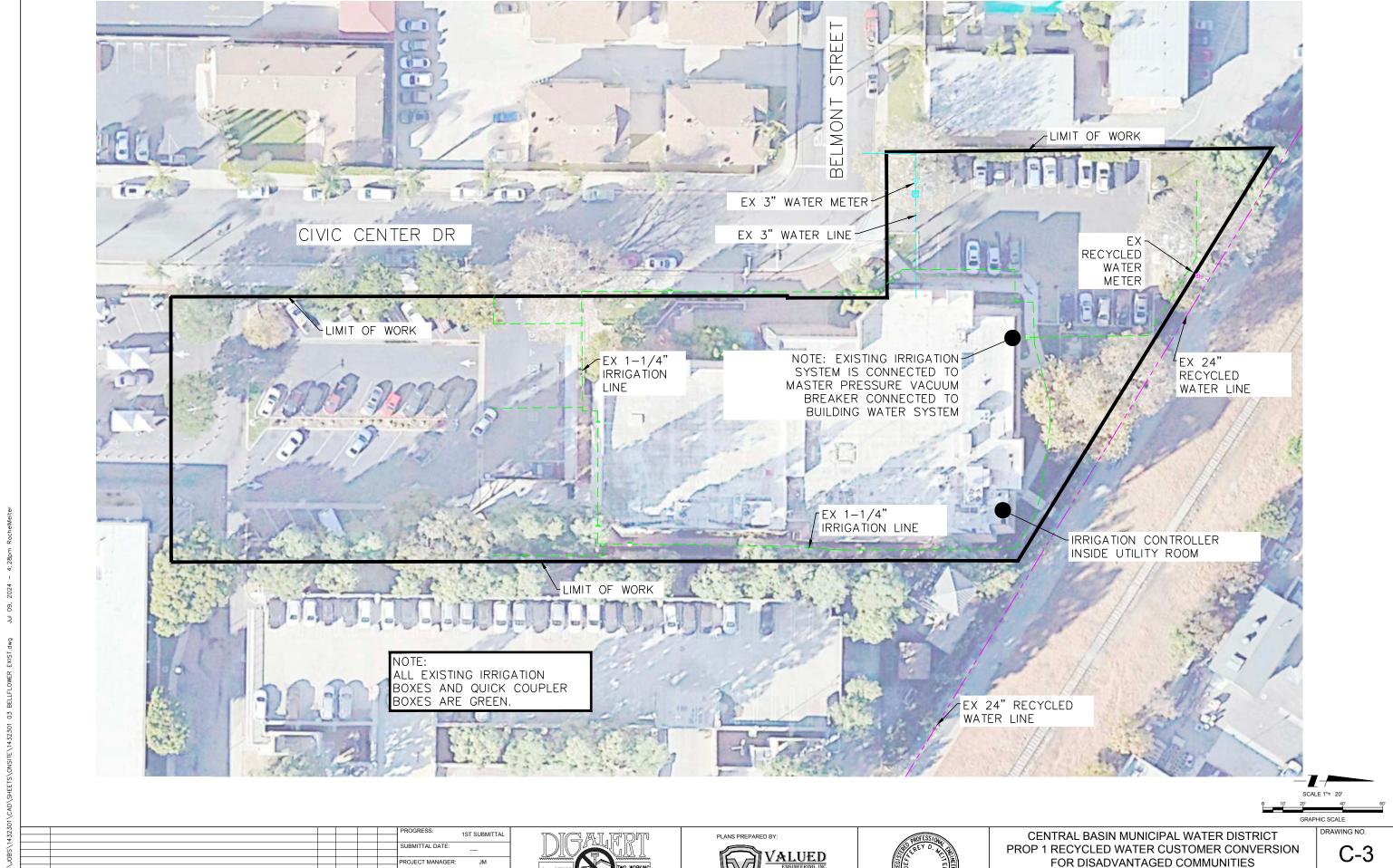
DESCRIPTION

ENGR DATE APPD DATE

DATE OF CHECKED BY: JH,RM







JH,RM

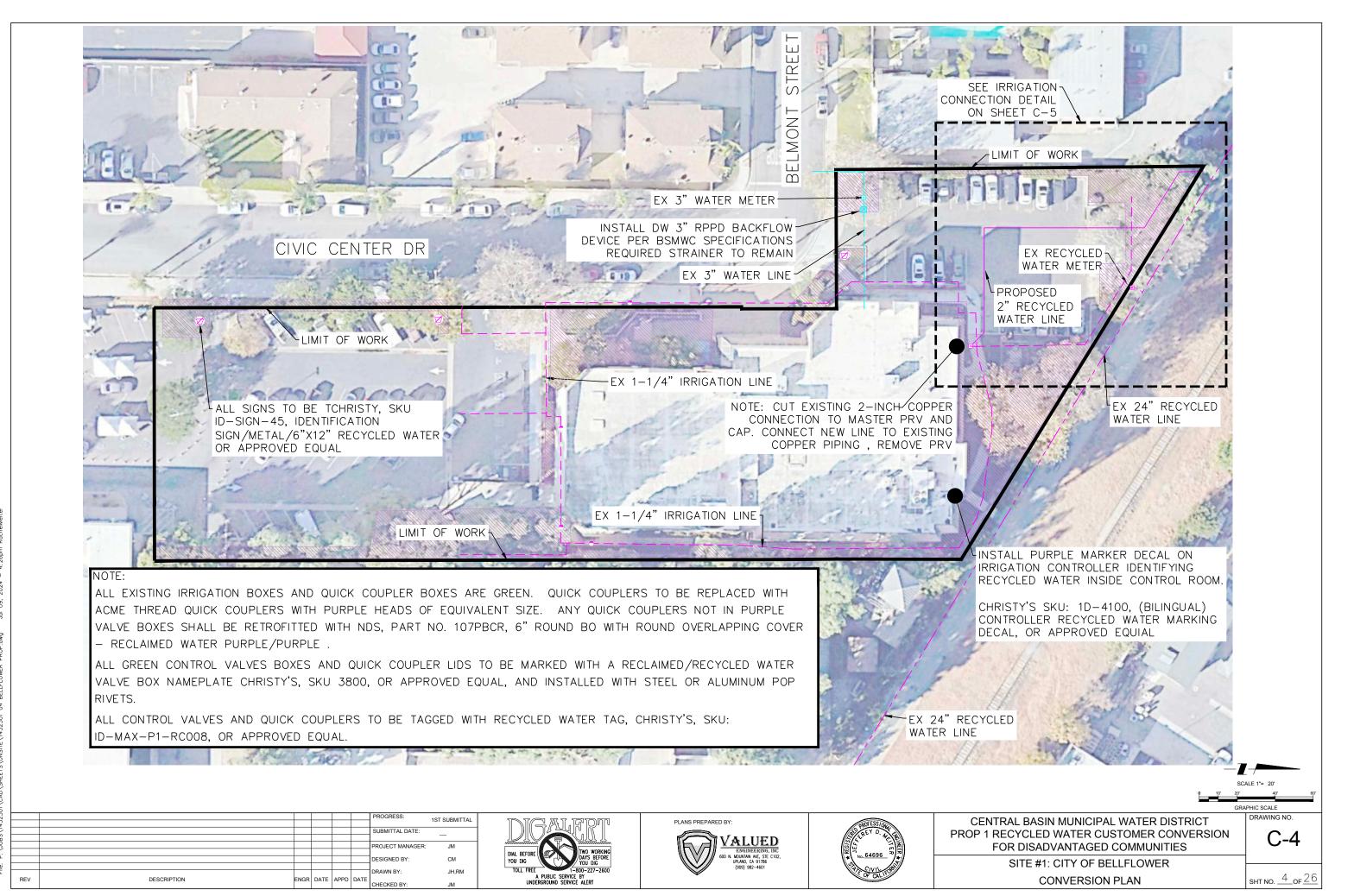
ENGR DATE APPD DATE

A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

SITE #1: CITY OF BELLFLOWER 16600 CIVIC CENTER DR BELLFLOWER, CA 90706 EXISTING SITE PLAN

sht no. <u>3</u> of <u>26</u>

DESCRIPTION



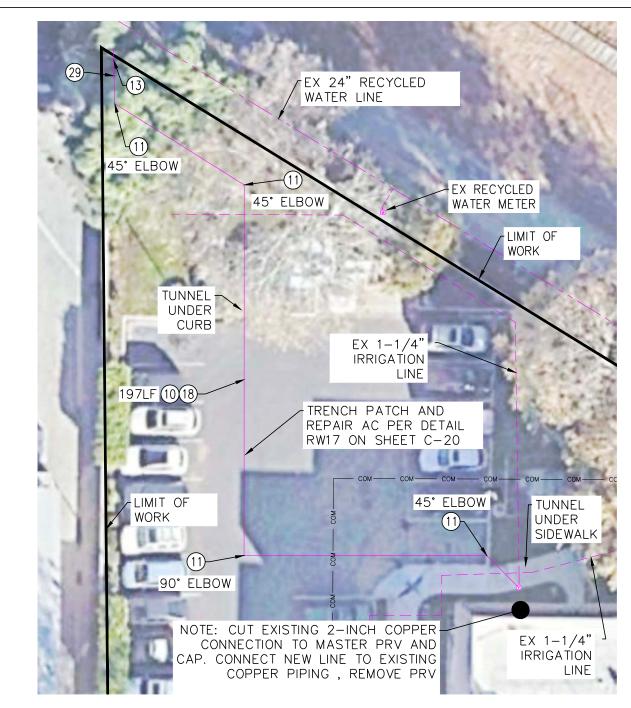
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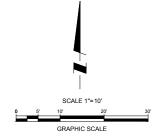
## **CONSTRUCTION ITEMS**

- (10) FURNISH AND INSTALL 1-1/4" PVC, SDR-40 PER MANUFACTURER'S SPECIFICATIONS
- (11) FURNISH AND INSTALL 1-1/4" BEND PER MANUFACTURER'S SPECIFICATIONS
- (13) REMOVE END CAP
- (18) PIPE TRENCHING AND BEDDING PER CBMWD STD. DWG RW17
- (29) FURNISH AND INSTALL 1-1/4" PRESSURE REDUCING VALVE (PRV) PER MANUFACTURER'S SPECIFICATIONS



# IRRIGATION MODIFICATION DETAIL

SCALE: 1"=10'



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						SUBMITTAL DATE:		ı
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						PROJECT MANAGER:	JM	l
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						DESIGNED BY:	CM	ı
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						DRAWN BY:	JH,RM	ı
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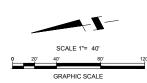


CENTRAL BASIN MUNICIPAL WATER DISTRICT PROP 1 RECYCLED WATER CUSTOMER CONVERSION FOR DISADVANTAGED COMMUNITIES

SITE #1: CITY OF BELLFLOWER CONSTRUCTION DETAIL

DRAWING NO. C-5

sht no. <u>5</u> of <u>26</u>



# LEGEND EXISTING DOMESTIC WATER MAIN LINE (OFFSITE) EXISTING DOMESTIC WATER MAIN LINE (ONSITE)

EXISTING DOMESTIC IRRIGATION MAIN LINE

EXISTING RECYCLED WATER IRRIGATION MAIN LINE EXISTING RECYCLED WATER MAIN LINE

NEW RECYCLED WATER IRRIGATION MAIN LINE EXISTING FIRE PROTECTION SERVICE MAIN LINE

LIMIT OF WORK EXISTING GAS LINE

EXISTING STORM DRAIN LINE

PERIMETER FENCE

# EXISTING NPW IRRIGATION EQUIPMENT

QUICK COUPLING VALVE, 1"

REMOTE CONTROL VALVE

24 STATION IRRIGATION CONTROLLER

MAINLINE GATE VALVE - RESILIENT WEDGE  $\infty$ 

PRESSURE REGULATING RELIEF VALVE R

RPPD BACKFLOW PREVENTER  $\boxtimes$ 

M WATER METER

FLOW SENSOR ASSEMBLY  $\blacksquare$ 

ATMOSPHERIC VACCUM BREAKER OR PRESSURE VACUUM BREAKER

### EXISTING DW EQUIPMENT

RPPD BACKFLOW PREVENTER

WATER METER

DRINKING FOUNTAIN

WATER PUMP

			+5-	
		SCALE	1"= 40'	
<u></u>	20'	40'	80'	13
_		GRAPH	IC SCALE	

A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

1ST SUBMITTAL

JM. CM

JH,RM

ROJECT MANAGER:

ENGR DATE APPD DATE

DESCRIPTION



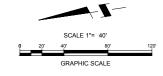


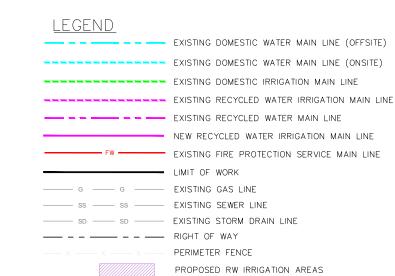
CENTRAL BASIN MUNICIPAL WATER DISTRICT PROP 1 RECYCLED WATER CUSTOMER CONVERSION FOR DISADVANTAGED COMMUNITIES

SITE #2: TWEEDY ELEMENTARY SCHOOL **EXISTING SITE PLAN** 

C-6

DRAWING NO.





#### EXISTING NPW IRRIGATION EQUIPMENT

- QUICK COUPLING VALVE, 1"
- REMOTE CONTROL VALVE
  - 24 STATION IRRIGATION CONTROLLER
- MAINLINE GATE VALVE RESILIENT WEDGE
- PRESSURE REGULATING RELIEF VALVE
- WATER METER
- ATMOSPHERIC VACCUM BREAKER OR PRESSURE VACUUM BREAKER

## EXISTING DW EQUIPMENT

- RPPD BACKFLOW PREVENTER
- WATER METER
- DRINKING FOUNTAIN
- WATER PUMP

#### NEW RW IRRIGATION EQUIPMENT

- D QUICK COUPLING VALVE, 1"
- REMOTE CONTROL VALVE
- MAINLINE GATE VALVE RESILIENT WEDGE OR BALL VALVE
- M WATER METER
- PRESSURE REDUCER
- ✓ MASTER VALVE
- FLOW SENSOR ASSEMBLY
- RECYCLED WATER SIGN
- WATER PUMP
- □ END CA

						PROGRESS:	1ST SUBMITTAL
							101 00DWITTAL
						SUBMITTAL DATE:	
						PROJECT MANAGER:	JM
						DESIGNED BY:	CM
1						DRAWN BY:	JH,RM
REV	DESCRIPTION	ENGR	DATE	APPD	DATE	CHECKED BY:	JM







CENTRAL BASIN MUNICIPAL WATER DISTRICT PROP 1 RECYCLED WATER CUSTOMER CONVERSION FOR DISADVANTAGED COMMUNITIES

SITE #2: TWEEDY ELEMENTARY SCHOOL
CONVERSION PLAN

sht no. <u>7</u> of <u>26</u>

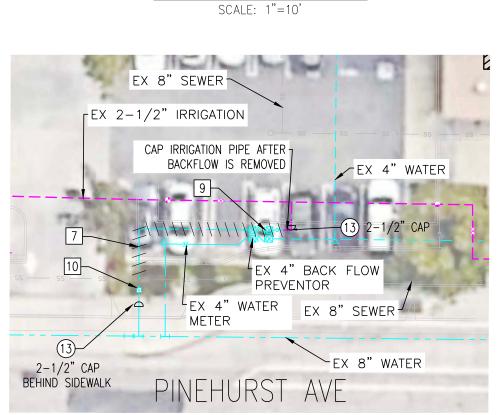
NOTE OFFSITE WORK DONE BY

# **DEMOLITION ITEMS**

- 7 DISCONNECT AND REMOVE EX 2-1/2" PVC PIPE
- 9 DISCONNECT AND REMOVE EX 2" BACKFLOW PREVENTOR
- 10 DISCONNECT AND REMOVE EX 2" WATER METER

## CONSTRUCTION ITEMS

- (13) FURNISH AND INSTALL END CAP (SIZE PER PLAN)
- (18) PIPE TRENCHING AND BEDDING PER CBMWD STD. DWG RW17
- (19) FURNISH AND INSTALL 2-1/2" PVC, SDR-40 PER MANUFACTURER'S SPECIFICATIONS
- (26) FURNISH AND INSTALL 2-1/2" PVC, 45° ELBOW PER MANUFACTURER'S SPECIFICATIONS
- (31) FURNISH AND INSTALL 2-1/2" PVC TRANSITION FITTING PER MANUFACTURER'S SPECIFICATIONS



# IRRIGATION MODIFICATION

SCALE: 1"=10'







## CENTRAL BASIN MUNICIPAL WATER DISTRICT PROP 1 RECYCLED WATER CUSTOMER CONVERSION FOR DISADVANTAGED COMMUNITIES

SITE #2: TWEEDY ELEMENTARY SCHOOL CONSTRUCTION DETAILS

DRAWING NO. C-8

sht no. <u>8</u> of <u>26</u>



1ST SUBMITTAL JH,RM DESCRIPTION ENGR DATE APPD DATE

JOIN PROPOSED -METER PER

OFFSITE PLAN

EX 18" RECLAIMED

EX 8" WATER

ATLANTIC AVE

18(19) 98LF

SAWCUT PCC (18" MIN) AND REPLACE IN KIND

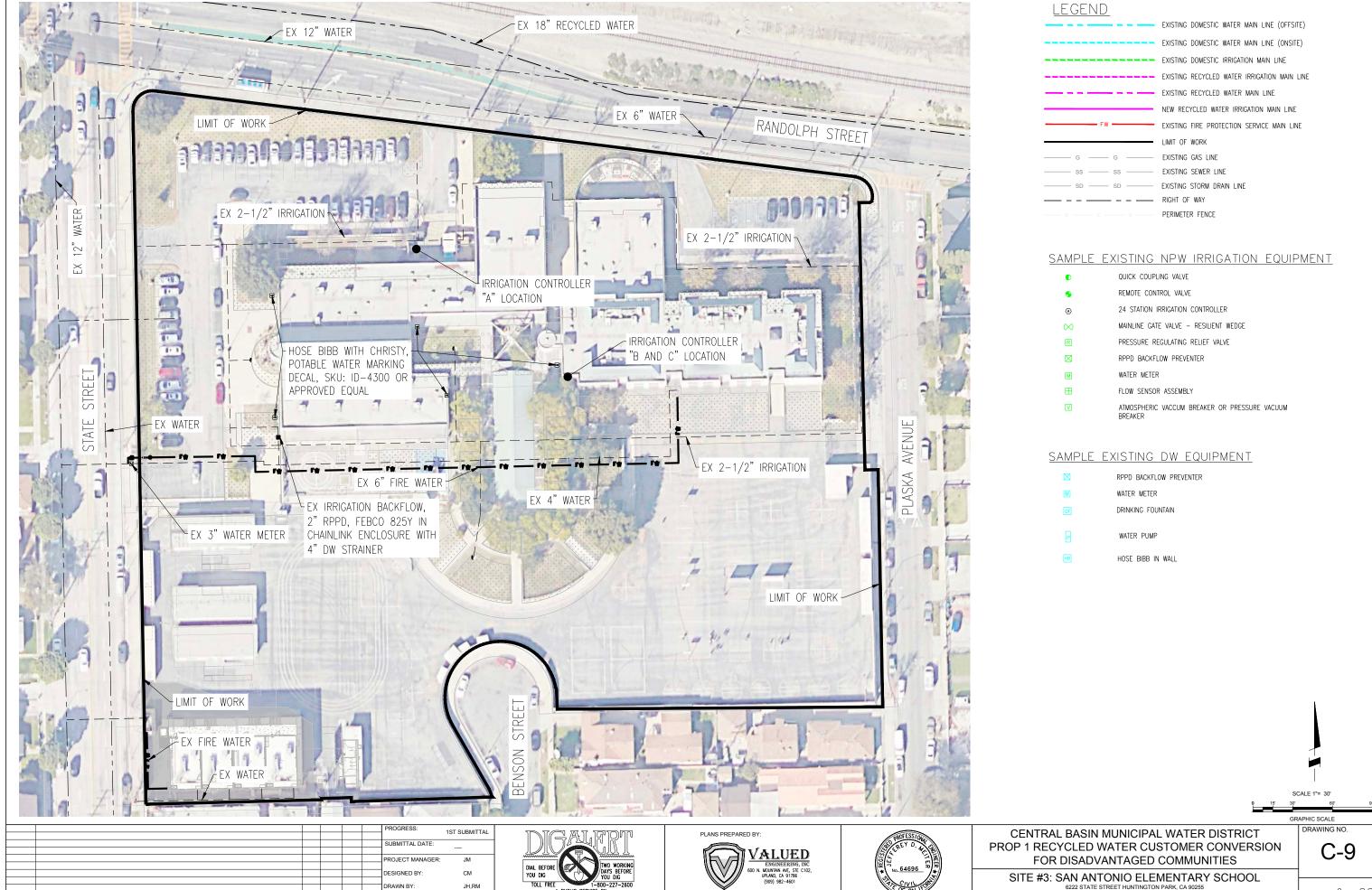
-(18)(19) 13LF

JOIN EX 2-1/2" IRRIGATION LINE

**OFF-SITE CONNECTION** 

SCALE: 1"=10'

GRAPHIC SCALE





ENGR DATE APPD DATE

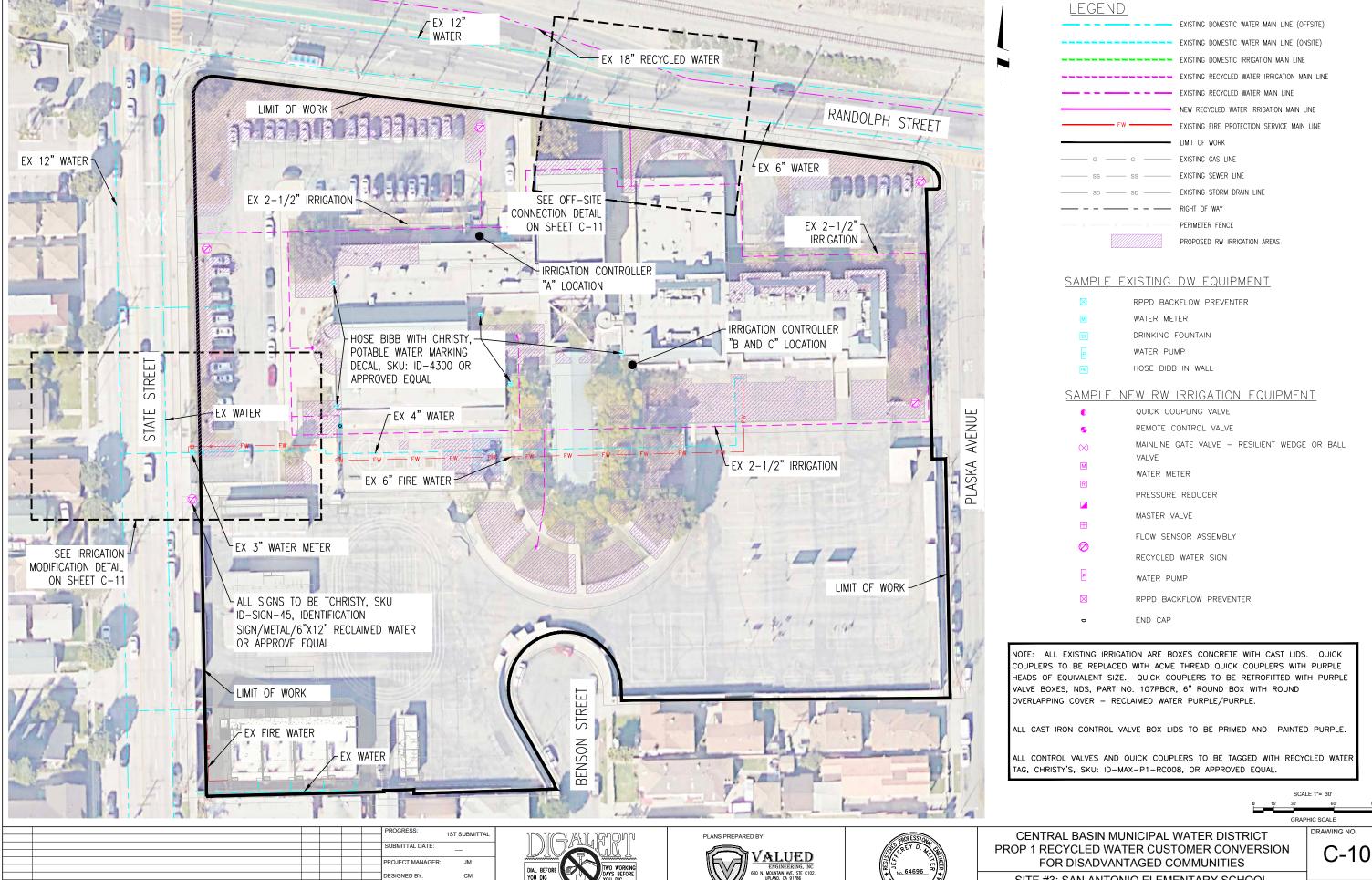
DESCRIPTION





SITE #3: SAN ANTONIO ELEMENTARY SCHOOL
6222 STATE STREET HUNTINGTON PARK, CA 90255 EXISTING SITE PLAN

SHT NO. 9 OF 26



A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

JH,RM

ENGR DATE APPD DATE

DESCRIPTION

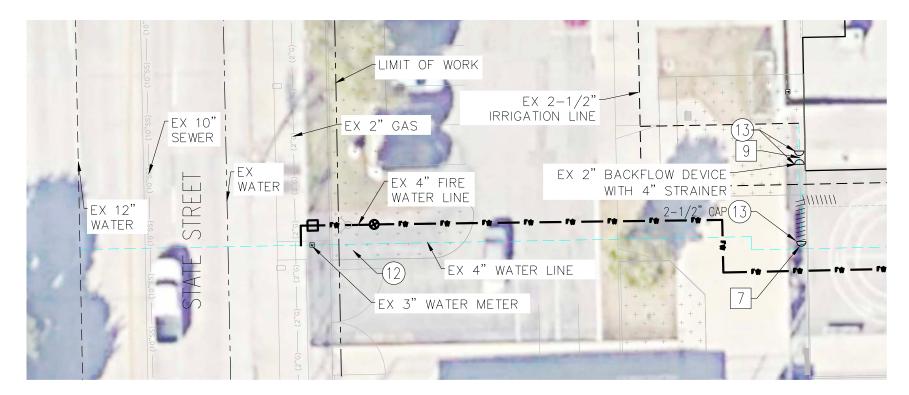


C-10

SITE #3: SAN ANTONIO ELEMENTARY SCHOOL **CONVERSION PLAN** 

sht no. 10 of 26

SCALE: 1"=10'



# IRRIGATION MODIFICATION DETAIL

SCALE: 1"=10'



EX 18" RECLAIMED

WATER

RANDOPLH STREET

EX 12' WATER

EX 36'

SEWER

GAS

1ST SUBMITTAL ROJECT MANAGER JM. CM JH,RM DESCRIPTION ENGR DATE APPD DATE







PROP 1 RECYCLED WATER CUSTOMER CONVERSION FOR DISADVANTAGED COMMUNITIES

WATER

IRRIGATION LÍNE

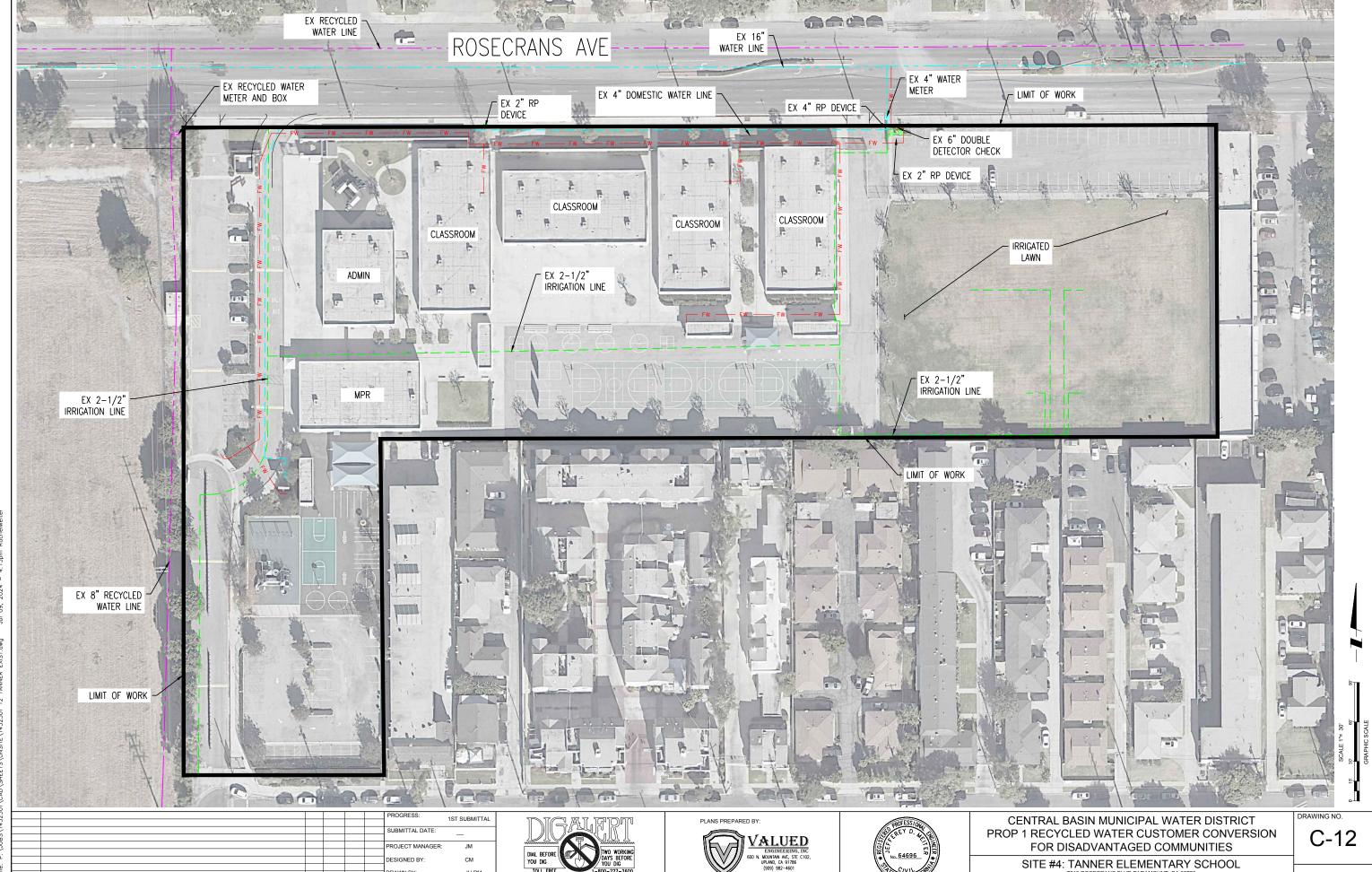
JOIN PROPOSEI

SITE #3: SAN ANTONIO ELEMENTARY SCHOOL CONSTRUCTION DETAILS

DRAWING NO. C-11

GRAPHIC SCALE

sht no. <u>11</u> of <u>26</u>



sht no.  $12_{0}$  of 26

**EXISTING SITE PLAN** 

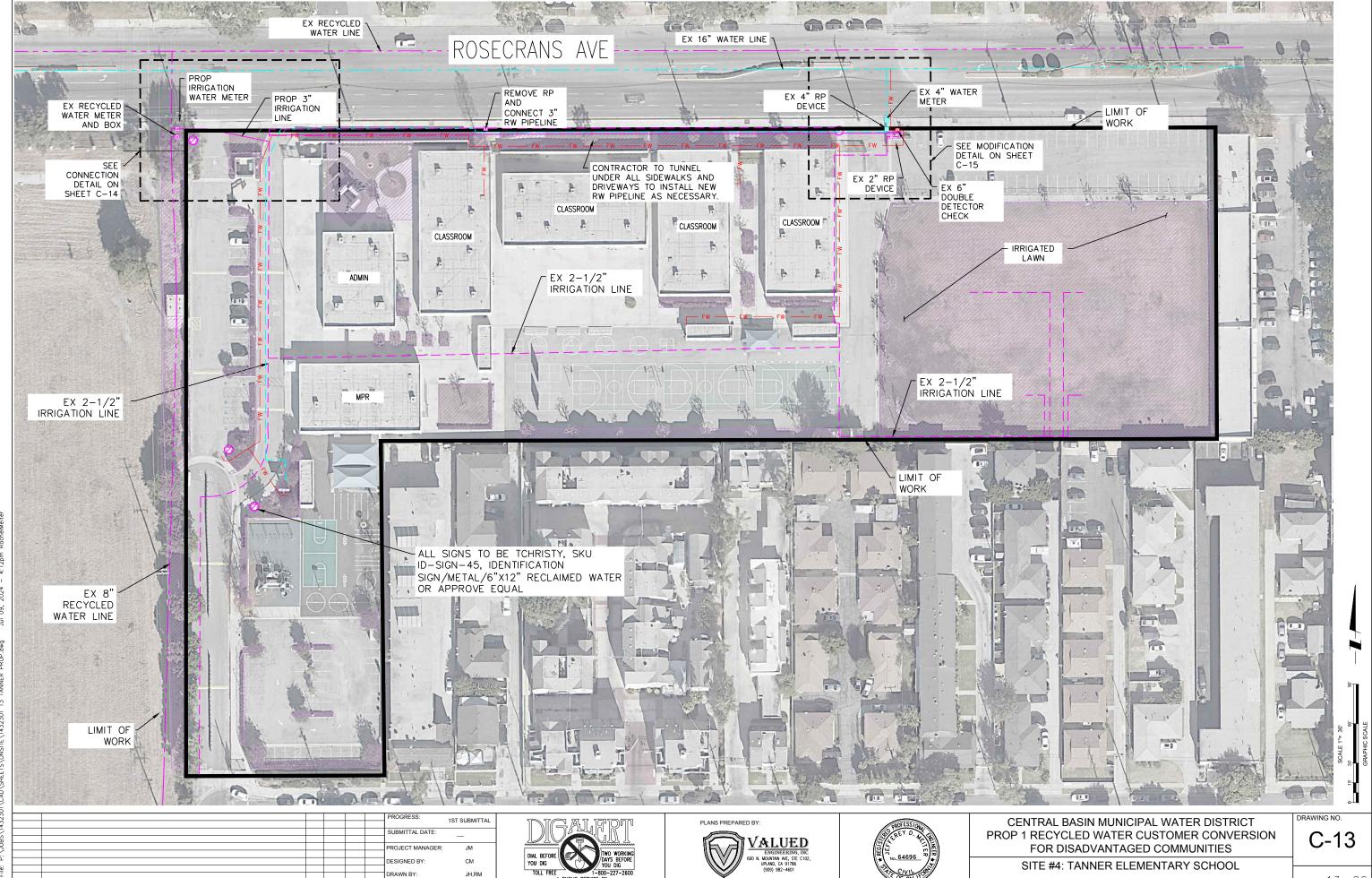
JH,RM

ENGR DATE APPD DATE

A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

1432301\CAD\SHEETS\ONSITE\1432301 12 TANNER EXIST.dwg Jul 09, 2024 - 4:1.

DESCRIPTION



sht no.  $13_{0}$  of 26

**CONVERSION PLAN** 

A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

ENGR DATE APPD DATE

DESCRIPTION



EX 16" WATER -

ROSECRANS AVE

TUNNEL ALL DRIVEWAYS AND

EX 8" RECLAIMED WATER SERVICE

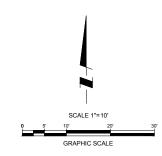
SIDEWALKS

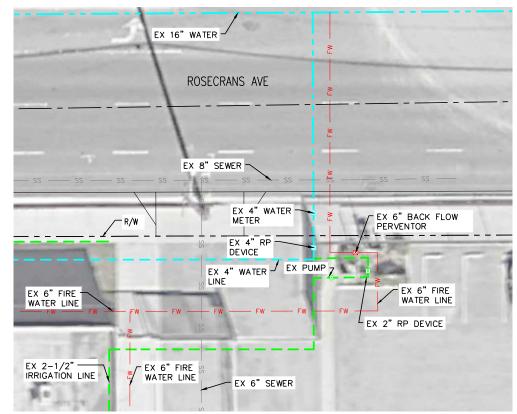
# **DEMOLITION ITEMS**

7 DISCONNECT AND REMOVE EX 2-1/2" PVC PIPE

# **CONSTRUCTION ITEMS**

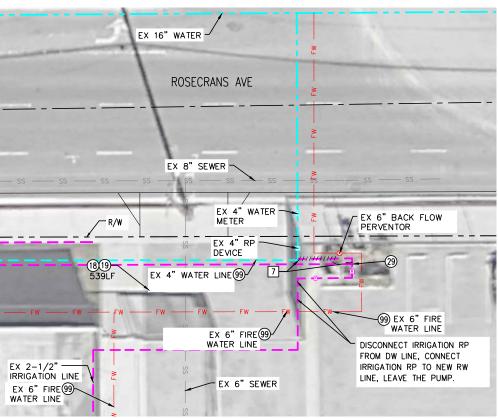
- (13) FURNISH AND INSTALL END CAP
- (18) PIPE TRENCHING AND BEDDING PER CBMWD STD. DWG RW17
- (19) FURNISH AND INSTALL 2-1/2" PVC, SDR-40 PER MANUFACTURER'S SPECIFICATIONS
- (21) FURNISH AND INSTALL 3" RECYCLED WATER METER PER CITY OF SPECIFICATIONS
- (22) HOT TAP EXISTING RECLAIMED WATER MAIN WITH 3" TAPPING VALVE PER CBMWD STD DWG RW6
- (29) FURNISH AND INSTALL 2-1/2" 90° PVC ELBOW PER MANUFACTURER'S SPECIFICATIONS
- (99) PROTECT IN PLACE





# EXISTING METER DETAIL

SCALE: 1"=10'



IRRIGATION MODIFICATION

SCALE: 1"=10'

SCALF: 1"=10' 1ST SUBMITTAL JM. CM JH,RM ENGR DATE APPD DATE DESCRIPTION

**OFF-SITE CONNECTION** 



EX 2-1/2" IRRIGATION LINE

99EX 4" WATER

JOIN EX 2-1/2" IRRIGATION LINE

EX 2-1/2"
IRRIGATION LINE

— R/W

TUNNEL ALL DRIVEWAYS AND SIDEWALKS

EX 6" FIRE 99-WATER LINE

83(18)19-/





CENTRAL BASIN MUNICIPAL WATER DISTRICT PROP 1 RECYCLED WATER CUSTOMER CONVERSION FOR DISADVANTAGED COMMUNITIES

SITE #4: TANNER ELEMENTARY SCHOOL CONSTRUCTION DETAILS

DRAWING NO. C-14

sнт no. <u>14</u> ог <u>26</u>

EX RECYCLED WATER METER

EX FENCE -

ROJECT MANAGER:

ENGR DATE APPD DATE

DESCRIPTION

JM. CM

JH,RM

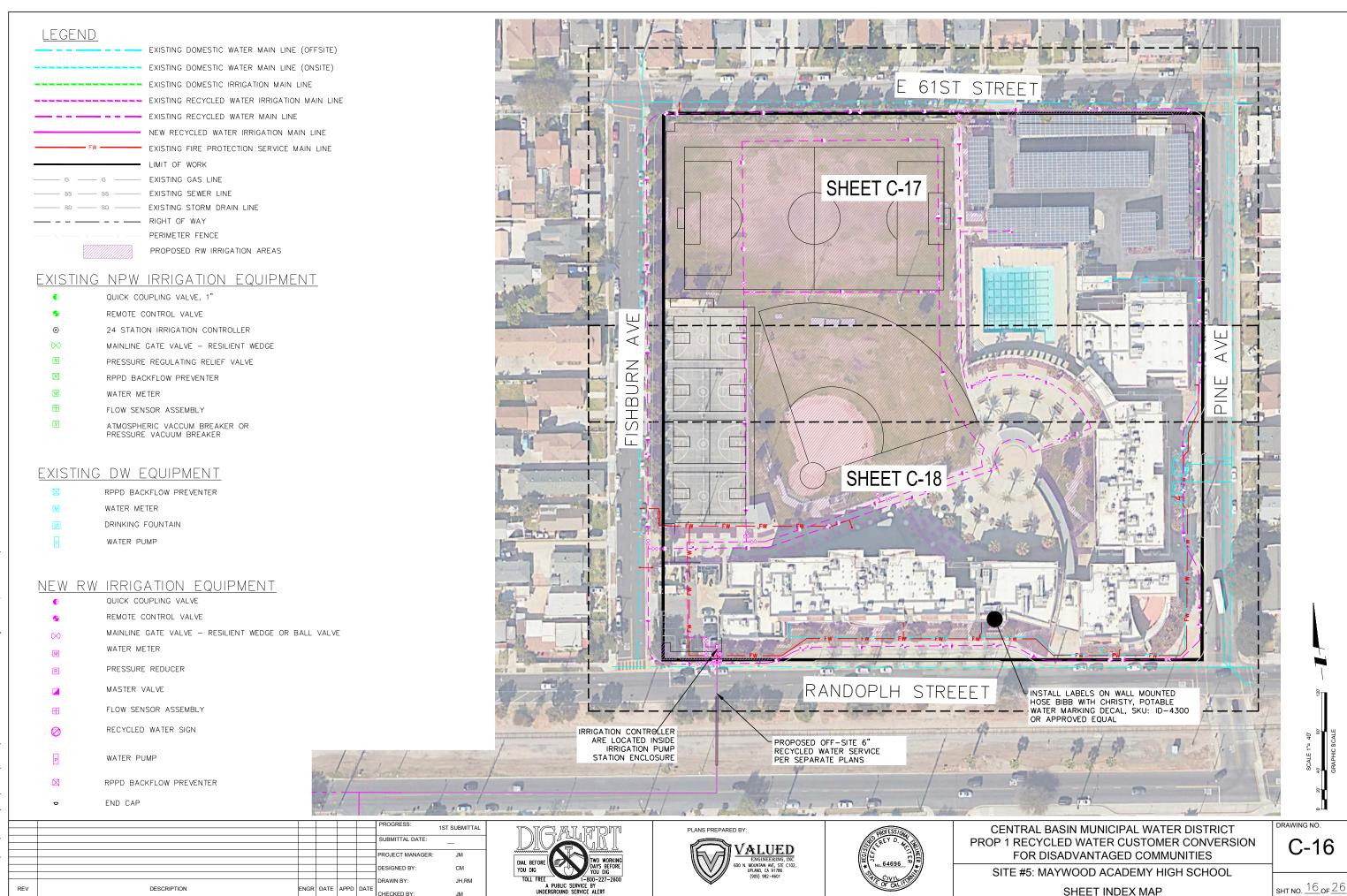
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

FOR DISADVANTAGED COMMUNITIES

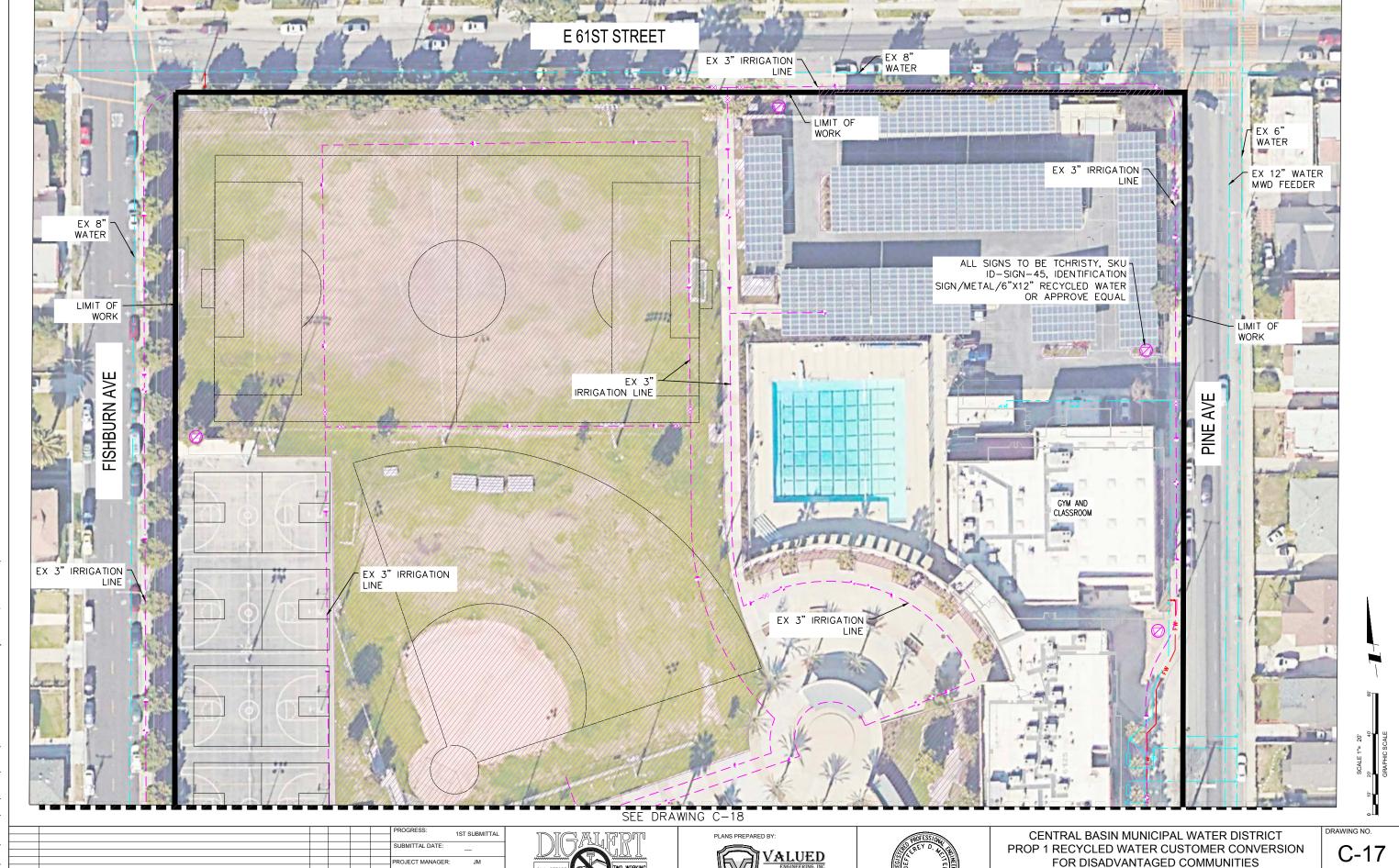
SITE #5: MAYWOOD ACADEMY HIGH SCHOOL

**EXISTING SITE PLAN** 

sht no. <u>15</u> of <u>26</u>



S\1432301\CAD\SHEETS\ONSITE\1432301 16 MAYWOOD PROP IM.dwg Jul 09, 2024 - 4:07pm Rache



CM

ENGR DATE APPD DATE

JH,RM

A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

File: P:\JOBS\1432301\CAD\SHEETS\ONSITE\1432301 17 MAYWOOD PROP.dwg

DESCRIPTION

\_\_\_

SITE #5: MAYWOOD ACADEMY HIGH SCHOOL CONVERSION PLAN

ON PLAN SHT NO. 17 of 26

JH,RM

A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

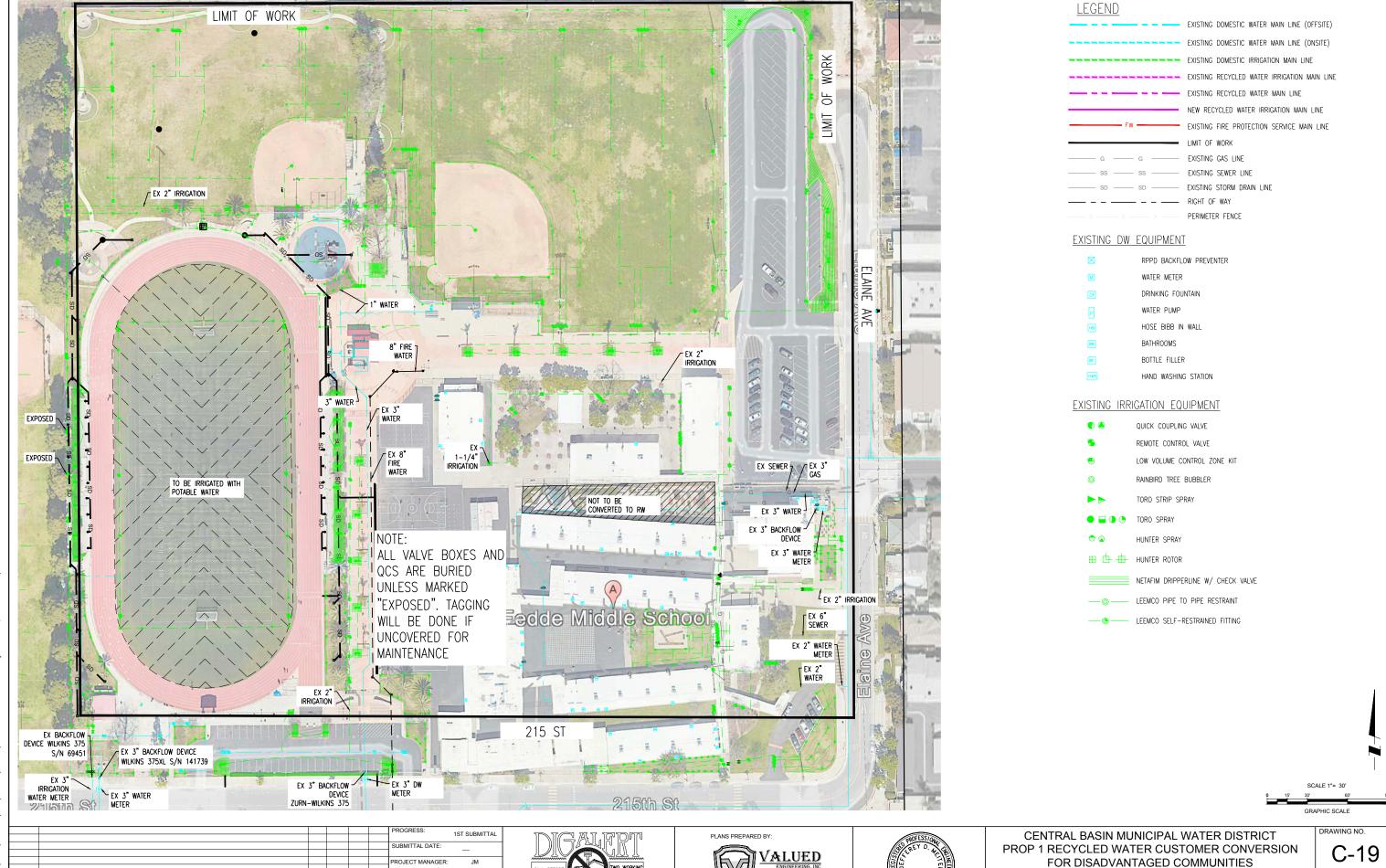
ENGR DATE APPD DATE

DESCRIPTION

SITE #5: MAYWOOD ACADEMY HIGH SCHOOL

**CONVERSION PLAN** 

sht no. <u>18 of 26</u>



JH,RM

ENGR DATE APPD DATE

DESCRIPTION

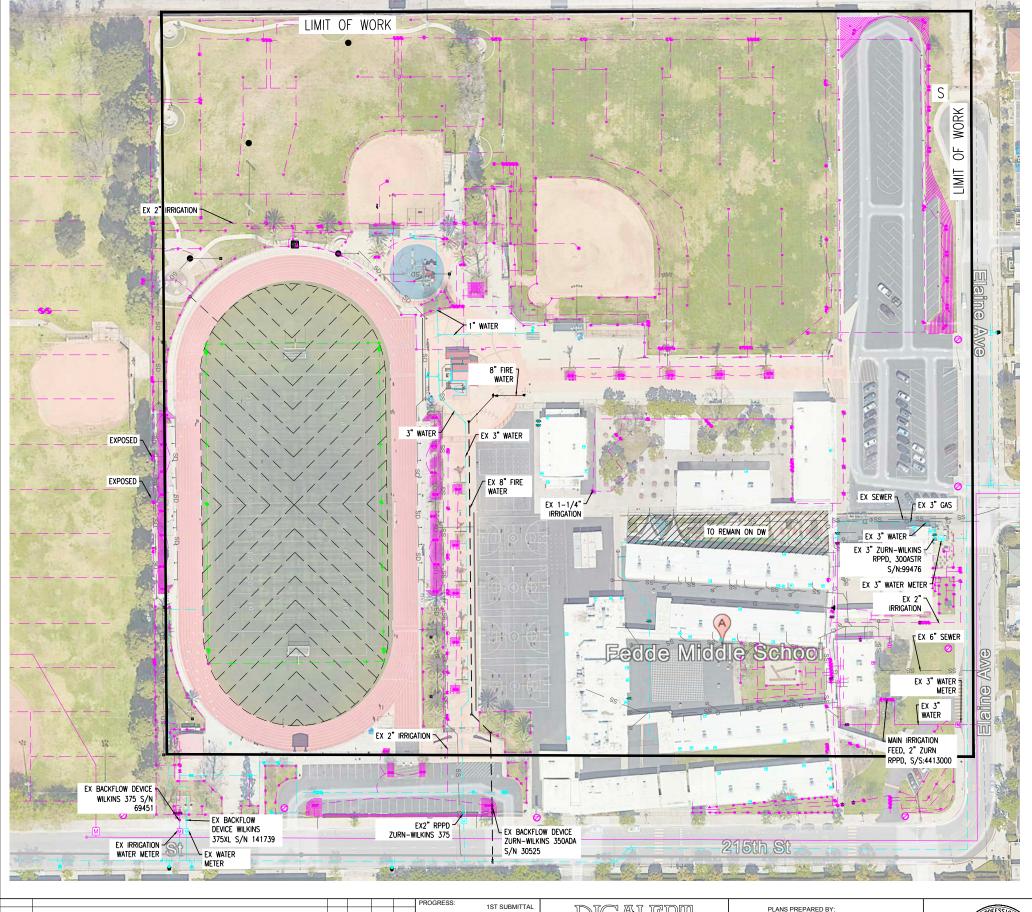
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

SITE #6: FEDDE MIDDLE SCHOOL 21409 ELAINE AVE HAWAIIAN GARDEN, CA 90716

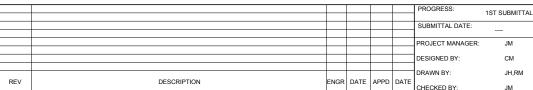
**EXISTING SITE PLAN** 

sht no. 19 of 26

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CENTRAL BASIN MUNICIPAL WATER DISTRICT PROP 1 RECYCLED WATER CUSTOMER CONVERSION FOR DISADVANTAGED COMMUNITIES

C-2

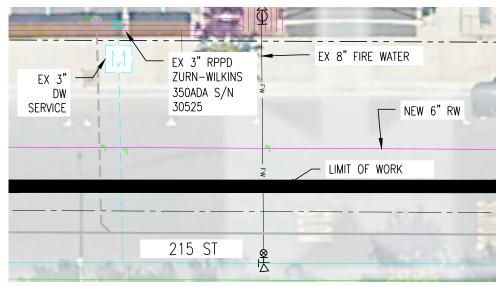
GRAPHIC SCALE

SITE #6: FEDDE MIDDLE SCHOOL 21409 ELAIN AVE HAWAIIAN GARDEN, CA 90716 EXISTING SITE PLAN

sht no. <u>20</u> of <u>26</u>

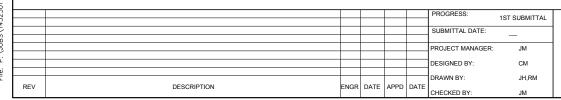
# **IRRIGATION MODIFICATION**

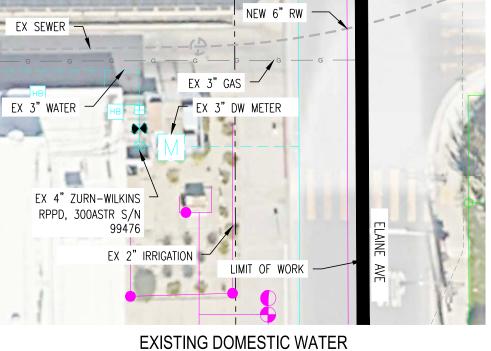
SCALE: 1"=20'



# OFFSITE CONNECTION DETAIL

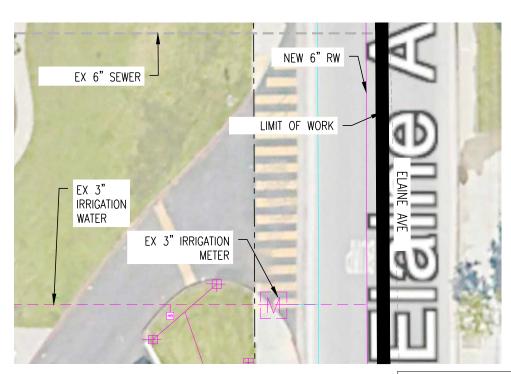
SCALE: 1"=20'





# **SERVICE CONNECTION**

SCALE: 1"=20'



# RECYCLED WATER IRRIGATION METER REPLACEMENT DETAIL

PLANS PREPARED BY:

A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

VALUED

SCALE: 1"=20'

DISCONNECT EXISTING IRRICATION METERS AND CONNECT TO NEW RW LATERALS.

CAP DW LATERALS AT THE MAINLINE.

# LEGEND EXISTING DOMESTIC WATER MAIN LINE (OFFSITE) EXISTING DOMESTIC WATER MAIN LINE (ONSITE) EXISTING DOMESTIC IRRIGATION MAIN LINE EXISTING RECYCLED WATER IRRIGATION MAIN LINE EXISTING RECYCLED WATER MAIN LINE NEW RECYCLED WATER IRRIGATION MAIN LINE EXISTING FIRE PROTECTION SERVICE MAIN LINE EXISTING STORM DRAIN LINE PERIMETER FENCE EXISTING DW EQUIPMENT RPPD BACKFLOW PREVENTER

WATER METER

DRINKING FOUNTAIN

WATER PUMP

HOSE BIBB IN WALL

BATHROOMS

BOTTLE FILLER

HAND WASHING STATION

#### NEW RW IRRIGATION EQUIPMENT

QUICK COUPLING VALVE

REMOTE CONTROL VALVE

MAINLINE GATE VALVE - RESILIENT WEDGE OR BALL VALVE

WATER METER

PRESSURE REDUCER

MASTER VALVE

RECYCLED WATER SIGN

WATER PUMP

RPPD BACKFLOW PREVENTER

END CAP

LOW VOLUME CONTROL ZONE KIT

RAINBIRD TREE BUBBLER

TORO STRIP SPRAY

TORO SPRAY

HUNTER SPRAY

HUNTER ROTOR

NETAFIM DRIPPERLINE W/ CHECK VALVE

LEEMCO PIPE TO PIPE RESTRAINT

LEEMCO SELF-RESTRAINED FITTING

CENTRAL BASIN MUNICIPAL WATER DISTRICT PROP 1 RECYCLED WATER CUSTOMER CONVERSION FOR DISADVANTAGED COMMUNITIES

> SITE #6: FEDDE MIDDLE SCHOOL 21409 ELAIN AVE HAWAIIAN GARDEN, CA 90716 **CONVERSION PLAN**

sht no. 21 of 26





LEGEND EXISTING DOMESTIC WATER MAIN LINE (OFFSITE)

EXISTING DOMESTIC WATER MAIN LINE (ONSITE)

 EXISTING DOMESTIC IRRIGATION MAIN LINE EXISTING RECYCLED WATER IRRIGATION MAIN LINE

EXISTING RECYCLED WATER MAIN LINE

NEW RECYCLED WATER IRRIGATION MAIN LINE EXISTING FIRE PROTECTION SERVICE MAIN LINE

LIMIT OF WORK

EXISTING GAS LINE EXISTING SEWER LINE

EXISTING STORM DRAIN LINE

PERIMETER FENCE

# EXISTING DW EQUIPMENT

RPPD BACKFLOW PREVENTER

WATER METER

DRINKING FOUNTAIN

WATER PUMP

HOSE BIBB IN WALL

#### EXISTING NPW IRRIGATION EQUIPMENT

QUICK COUPLING VALVE

REMOTE CONTROL VALVE

24 STATION IRRIGATION CONTROLLER

MAINLINE GATE VALVE - RESILIENT WEDGE

R PRESSURE REGULATING RELIEF VALVE

RPPD BACKFLOW PREVENTER  $\boxtimes$ 

WATER METER

 $\blacksquare$ FLOW SENSOR ASSEMBLY

ATMOSPHERIC VACCUM BREAKER OR PRESSURE VACUUM BREAKER

GRAPHIC SCALE

1ST SUBMITTAL ROJECT MANAGER: JM CM JH,RM DESCRIPTION ENGR DATE APPD DATE







CENTRAL BASIN MUNICIPAL WATER DISTRICT PROP 1 RECYCLED WATER CUSTOMER CONVERSION FOR DISADVANTAGED COMMUNITIES

SITE #7:BLOOMFIELD PARK 21409 ELAIN AVE HAWAIIAN GARDEN, CA 90716 EXISTING SITE PLAN

DRAWING NO. C-22

sht no. 22 of 26

LEGEND

EXISTING DOMESTIC WATER MAIN LINE (ONSITE) - EXISTING DOMESTIC IRRIGATION MAIN LINE EXISTING RECYCLED WATER IRRIGATION MAIN LINE EXISTING RECYCLED WATER MAIN LINE

EXISTING DOMESTIC WATER MAIN LINE (OFFSITE)

NEW RECYCLED WATER IRRIGATION MAIN LINE EXISTING FIRE PROTECTION SERVICE MAIN LINE

LIMIT OF WORK

- - RIGHT OF WAY

PERIMETER FENCE

## EXISTING DW EQUIPMENT

RPPD BACKFLOW PREVENTER

WATER METER

DRINKING FOUNTAIN WATER PUMP

HOSE BIBB IN WALL

#### NEW RW IRRIGATION EQUIPMENT

QUICK COUPLING VALVE

REMOTE CONTROL VALVE

MAINLINE GATE VALVE - RESILIENT WEDGE OR BALL VALVE

WATER METER

PRESSURE REDUCER

MASTER VALVE

FLOW SENSOR ASSEMBLY

RECYCLED WATER SIGN WATER PUMP

RPPD BACKFLOW PREVENTER

NOTE: REPLACE ALL VALVE BOX LIDS WITH PURPLE LIDS. QUICK COUPLERS TO BE REPLACED WITH ACME THREAD QUICK COUPLERS WITH PURPLE HEADS OF EQUIVALENT SIZE.

ALL CONTROL VALVES TO BE TAGGED WITH RECYCLED WATER TAG

IRRIGATION CONTROLLERS SHALL BE LABELED WITH PURPLE NOTICE STICKERS.

1ST SUBMITTAL ROJECT MANAGER JM. CM JH,RM ENGR DATE APPD DATE DESCRIPTION







SCALE: 1"=50'

CENTRAL BASIN MUNICIPAL WATER DISTRICT PROP 1 RECYCLED WATER CUSTOMER CONVERSION FOR DISADVANTAGED COMMUNITIES

> SITE #7:BLOOMFIELD PARK 21409 ELAIN AVE HAWAIIAN GARDEN, CA 90716 CONVERSION PLAN

DRAWING NO.

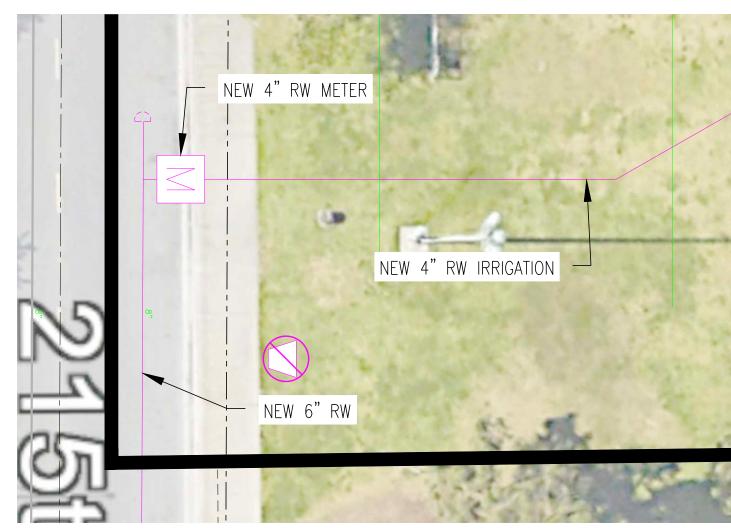
C-23

sht no. <u>23</u> of <u>26</u>



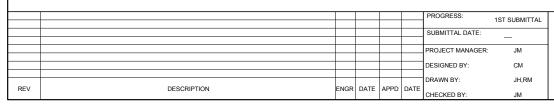
METER DETAIL

SCALE: 1"=10"



OFF-SITE CONNECTION DETAIL

SCALE: 1"=20'











OMER CONVERSION
OMMUNITIES

PARK

C-24

SITE #7:BLOOMFIELD PARK 21409 ELAIN AVE HAWAIIAN GARDEN, CA 90716 CONSTRUCTION DETAILS

sht no. <u>24</u> of <u>26</u>

#### LOS ANGELES COUNTY + DEPARTMENT OF PUBLIC HEALTH ENVIRONMENTAL HEALTH



OSS CONNECTIONS AND WATER POLLUTION CONTROL PROGRAM SISS Commerce Dirine, Buildnin Park, Ct. 91796-1423

#### GUIDELINES FOR PIPELINE CONSTRUCTION AND INSTALLATION -FOR THE SAFE USE OF RECYCLED / RECLAIMED WASTEWATER

PURPOSE: As a result of increasing availability of recycled / reclaimed wastewater and an increased need for the transmission and use thereof, the Department of Public Health - Environmental Health (the Department) has found it necessary to establish the following regulations for pipeline construction and installation as well as for the safe use of recycled / reclaimed wastewater. These regulations are intended to protect public health by ensuring the safety of our domestic potable water supplies.

BACKGROUND: A recent increase in the number of inquiries and interest displayed regarding the use of recycled / reclaimed water, in the ongoing efforts to conserve water, have necessitated the need to establish definitions, standards and regulation for the uniform review and approval of recycled / reclaimed water may be used for surface irrigation of the following: food crops; parks and playgrounds; school yards; residential landscaping; and unrestricted access golf courses.

#### DEFINITIONS

Gray Water means untreated wastewater that has not come into contact with toilet waste, kitchen sink waste, dishwasher waste or similarly contaminated sources. Gray water includes water from bathtubs, showers, bathroom wash basins, clothes-washers

Non-Potable Water means water which is unfit for human or animal consumption due to contaminants that exceed the current permissible Maximum Contaminant Level (MCL) in drinking water.

Potable Water means water which is fit for consumption by humans and other animals. The U.S. Environmental Protection Agency (EPA) identifies contaminants that may adversely affect public health and occur in drinking water with a frequency and at levels that pose a threat to public health. The EPA establishes (MCLs) for both biological and chemical contaminants permissible in drinking water. These MCLs become enforceable standards that determine the potability of water.

Recycled / Reclaimed Water means non-potable water that meets or as a result of treatment, meets federal requirements for its intended uses. The level of treatment and quality of the reclaimed / recycled water shall be approved by the Authority Having Jurisdiction. Reclaimed / recycled water systems shall have no connection to any potable water system, with or without mechanical backflow prevention devices.

Revised 09/22/09

RECYCLED/RECLAIMED WASTEWATER SYSTEMS SHALL BE CONSTRUCTED IN COMPLIANCE WITH APPLICABLE POTABLE WATER SYSTEM CONSTRUCTION STANDARDS AS WELL AS THOSE SPECIFIED IN "THE PURPLE BOOK", CALIFORNIA HEALTH HAD SAFETY CODE, WATER CODE, ITILES 22 AND 17 OF THE CALIFORNIA CODE OF REGULATIONS) AND THE LOS ANGELES COUNTY CODE (LACC), TITLE 28 - PLUMPING, APPENDIX J.

#### PRELIMINARY REQUIREMENTS

- PLANS AND SPECIFICATIONS FOR RECYCLED / RECLAIMED WASTEWATER DISTRIBUTION SYSTEMS, AS WELL AS THE USE AND OPERATION OF SUCH SYSTEMS SHALL BE SUBMITTED TO THE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION OR IMPLEMENTATION.
- PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE DEPARTMENT TO SCHEDULE AN INSPECTION OF THE PROPOSED ON-SITE RECYCLED / RECLAIMED AND POTABLE WATER WORK.
- NO PIPING FOR POTABLE OR RECYCLED / RECLAIMED WATER IN CONJUNCTION WITH A SPECIFIED PROJECT SHALL BE INSTALLED PRIOR TO PLAN CHECK APPROVAL AND PRELIMINARY INSPECTION.
- UPON COMPLETION OF CONSTRUCTION, NO EXCAVATION OR OPEN TRENCH MAY BE BACKFILLED WITHOUT FIRST SECURING THE DEPARTMENT APPROVAL. ANY AREAS BACKFILLED WITHOUT PRIOR APPROVAL WILL BE REQUIRED TO BE EXPOSED AND CORRECTED AS NECESSARY.
- ONLY A DEPARTMENT APPROVED TEMPORARY WATER CONNECTION, TO A POTABLE WATER SUPPLY VIA A DEDICATED, APPROVED, REDUCED-PRESSURE-PRINCIPLE BACKFLOW PREVENTION DEVICE SHALL BE PERMITTED TO BE UTILIZED FOR THE PURPOSE OF FLUSHING, PRESSURE TESTING, CONSTRUCTION, LANDSCAPING USE OR THE FINAL CROSS-CONNECTION TESTING.

#### SEPARATION REQUIREMENTS

THE MAXIMUM ATTAINABLE SEPARATION OF RECYCLED / RECLAIMED WASTEWATER LINES AND POTABLE WATER LINES SHALL BE ENFORCED IN ORDER TO MINIMIZE POTENTIAL RISKS ASSOCIATED WITH PIPELINE BREAKS RESULTING IN INFILTRATION OF WASTEWATER FROM LEAKING WASTEWATER LINES, OR ACCIDENTAL CROSS-CONNECTIONS BETWEEN RECYCLED WASTEWATER AND POTABLE WATER SYSTEMS.

- <u>PARALLEL CONSTRUCTION</u>: A HORIZONTAL SEPARATION OF AT LEAST TEN FEET (10') SHALL BE REQUIRED BETWEEN PRESSURIZED, BURIED, RECYCLED / RECLAIMED AND POTABLE WATER PIPING (ALL DISTANCE TO BE MEASURED FROM PIPELINE OUTSIDE DIAMETER).
- CROSS-OVER CONSTRUCTION: BURIED POTABLE WATER PIPES CROSSING OVER PRESSURIZED RECYCLED / RECLAIMED WATER PIPES SHALL BE LAID
  NOT LESS THAN TWELVE INCHES (12") ABOVE THE RECLAIMED WATER PIPES. RECLAIMED WATER PIPES LAID IN THE SAME TRENCH OR CROSSING—OVER
  BUILDING SEWER OR DRAINAGE PIPING SHALL BE INSTALLED IN COMPLIANCE WITH THE LACC TITLE 28. PLUMBING, SECTIONS 690. AND 720.
- <u>UNUSED OR ABANDONED POTABLE WATER LINES</u>: THESE LINES ARE TO BE SEVERED AS CLOSE TO WATER MAINS AS PRACTICAL, CAPPED, AND A TEN FOOT (10') SECTION OF ABANDONED LINE REMOVE AND CEMENTED UNDER DIRECT SUPERVISION BY THE DEPARTMENT.
- . EXISTING ONSITE PIPING: MAXIMUM SEPARATION OF RECYCLED / RECLAIMED WATER LINES AND POTABLE

#### PIPELINE MATERIALS AND IDENTIFICATION

ALL RECYCLED / RECLAIMED WATER PIPE MATERIALS, VALVES AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF THE LACC - TITLE 28, PLUMBING, SECTIONS 604.0, 605.0 AND 606.0

ALL RECYCLED / RECLAIMED WASTEWATER LINES (PRESSURE / NON-PRESSURE), VALVE BOXES, HYDRANTS AND APPURTENANCES SHALL BE IDENTIFIED TO CLEARLY DISTINGUISH BETWEEN RECYCLED / RECLAIMED WASTEWATER, NON-POTABLE AND POTABLE WATER SYSTEMS (AS SPECIFIED IN LACC - TITLE 28, PILIMBING, APPRIDIX J.)

- RECYCLED / RECLAIMED WASTEWATER: ALL BURIED, RECYCLED, WASTEWATER SYSTEMS (PRESSURE / NON-PRESSURE) SHALL UTILIZE PURPLE PIPE WITH BLACK UPPERCASE LETTERING "CAUTION: RECYCLED WATER DO NOT DRINK" PRINTED ON OPPOSITE SIDES OF THE PIPE. FOR LIMITED APPLICATION, THE USE OF CONTINUOUS LETTERING ON THREE INCH (3") MINIMUM WIDTH PURPLE TAPE WITH ONE INCH BLACK OR WHITE CONTRASTING UPPERCASE LETTERING "CAUTION RECYCLED WATER DO NOT DRINK" PERMANENTLY AFFIXED AT INTERVALS NOT TO EXCEED FIVE FEET, ATOP ALL HORIZONTAL PIPING, LATERALS AND MAINS. DEDITIFICATION TAPE SHALL EXTEND TO ALL VALVE BOXES AND/ OR VAULTS, EXPOSED PIPING, HYDRANTS AND QUICK COUPLERS. ALL VALVES, EXCEPT FIXTURE SUPPLY CONTROL VALVES SHALL BE EQUIPPED WITH A LOCKING FEATURE. ALL MECHANICAL EQUIPMENT THAT IS APPURTEMENT TO THE RECYCLED / RECLAIMED WATER SYSTEM SHALL BE PAINTED PURPLE.
- <u>POTABLE WATER:</u> ALL POTABLE WATER LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE AND ALL OTHER APPLICABLE POTABLE WATER SYSTEM CONSTRUCTION STANDARDS. ALL BURIED POTABLE WATER LINES SHALL BE CLEARLY IDENTIFIED BY CONTINUOUS LETTERING ON THREE INCH (3") MINIMUM WOTH BLUE TAPE WITH ONE INCH (1") WHITE LETTERING BEARING THE REPEATED WORDING "POTABLE WATER" PERMANENTLY AFFIXED AT TEN FOOT INTERVALS ATOP ALL HORIZONTAL PIPING, LATERALS AND MAINS, IDENTIFICATION TAPE SHALL EXTEND TO ALL VALVE BOXES AND / OR VAULTS, EXPOSED PIPING AND HYDRANTS. IDENTIFICATION TAPE IS NOT NECESSARY FOR EXTRUDED COLORED PVC WITH CONTINUOUS WORDING "POTABLE WATER" PRINTED IN CONTRASTING LETTERING ON OPPOSITE SIDES OF THE PIPE.

Non-Potable Water All non-potable industrial water lines (pressure / nonpressure) shall be seen to contract the potable inch (3") minimum width tage with one inch (1") contrasting lettering bearing the continuous upperficially lettering "NON-POTABLE WATER – DO NOT DRINK" permanently affixed at ten foot (10) intervals atop all horizontal piping, laterals and mains. Identification tage shall extend to all valve boxes and 7 or vaults, exposed piping, hydrants and quick couplers. Exposed piping, valve boxes, vaults, control valves, quick coupling valves, outlets and related appurtenances shall be color-coded and labeled / tagged to differentiate between recycled / reclaimed wastewater, potable water and nonpotable water systems. Tags identifying recycled / reclaimed water shall have the appropriate identification on both sides (wording on one side and symbol on the opposite side).







# THE SAFE USE OF RECYCLED / RECLAIMED WATER PROTECTS POTABLE WATER

- Deteriorated or inadequately-protected well water casings shall be repaired or replaced to protect aquifers against contamination from recycled / reclaimed wastewater systems.
- An On-Site Water Supervisor shall be appointed, having the responsibility of oversight for the protection of the potable water system (provided for under Title 17, Section 7586, and California Code of Regulations). The name and position of the On-Site Water Supervisor shall be responsible for the installation, operation and maintenance of the recycled / reclaimed wastewater and potable water systems; authorization of any piping changes or additions to either the potable or recycled systems; prevention of potential hazards; implementation of the regulations; and coordination with the Cross-Connection Program of the water purveyor and of this Department.
- Hose bibbs shall not be permitted in any areas of public access to recycled /
  reclaimed wastewater systems, to prevent unauthorized use of recycled wastewater.
  Quick-couplers are permitted in lieu of hose-bibb outlets but shall only be connected
  to recycled / reclaimed wastewater lines. Hose bibs may be permitted in areas that
  are not accessible to the public, provided they are properly identified with
  permanently affixed tags, labels, or plates with uppercase lettering "RECYCLED
  WATER DO NOT DRINK" in English.

• The use of recorded reclaimed assessed for impact surposes shall minimize exposure of the second solution of equipment and by appropriate irrigation system design. Additionally, the following measures should be taken: recycled wastewater spraying shall be done during hours of least public exposure; any area where recycled wastewater is released, used or impounded should be posted, informing the public that recycled water is being used; and irrigation practices utilizing recycled water shall be controlled to prevent surface runoff.

#### BACKFLOW PROTECTION

- I Hill I life in the interconnection between a potable water system and a recycled / reclaimed Water system within the user's premises.
- A dyn or pressure test shall be utilized to confirm the physical separation of a recycled wastewater system and a potable water system. Testing shall be performed in enjunction with the Water Purveyor and this Department and conducted before the introduction of recycled wastewater.
- An approved backflow prevention device shall be installed at the potable water acryles connection.
- In a recycled / reclaimed wastewater distribution system, a backflow prevention device may be required at the recycled wastewater meter or at specific on-site locations where said use could degrade the quality of the recycled wastewater supply.



# LAUSD-RECYCLED WATER GENERAL NOTES

- THE RECYCLED WATER SYSTEM SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE LOS ANGELES UNIFIED SCHOOL DISTRICT STANDARDS AND SPECIFICATIONS FOR DEVELOPER'S PROJECTS.
- USE OF RECYCLED WATER SHALL ADHERE TO TITLE 22, DIVISION 4, CHAPTER 3 OF THE CALIFORNIA CODE OF REGULATIONS AND THE CURRENT RULES, ORDINANCES, REGULATIONS AND SPECIFICATIONS OF THE DISTRICT.
- LOS ANGELES UNIFIED SCHOOL DISTRICT REQUIRES THAT A PRECONSTRUCTION CONFERENCE BE SCHEDULED PRIOR TO ANY CONSTRUCTION BY CALLING THE LOS ANGELES UNIFIED SCHOOL DISTRICT'S FIELD ENGINEERING DEPARTMENT AT (213)241-0482.
- 4. THE LOS ANGELES UNIFIED SCHOOL DISTRICT OPERATION DEPARTMENT SHALL BE NOTIFIED TWO WORKING DAYS PRIOR TO THE START OF CONSTRUCTION AT (323)224-4500. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.
- 5. CROSS CONNECTIONS BETWEEN RECYCLED WATER LINES AND POTABLE WATER LINES ARE STRICTLY PROHIBITED. FINES MAY BE LEVIED, 6. NON-DESIGNATED USE AREAS SHALL BE PROTECTED FROM CONTACT WITH RECYCLED WATER, CAUSED BY WINDBLOWN SPRAY, IRRIGATION DESIGN OR UNAUTHORIZED USE. LACK OF PREVENTION, WHETHER BY DESIGN, CONSTRUCTION PRACTICE, OR SYSTEM OPERATION, IS STRICTLY PROHIBITED.
- 7. RECYCLED WATER IRRIGATION CANNOT BE USED IN THE VICINITY OF WATER RECREATION AREAS, WHERE RECYCLED WATER MIST CAN CONTACT WATER RECREATION AREAS.
- 8. HOSE BIBBS ARE STRICTLY PROHIBITED ON RECYCLED WATER SYSTEMS.
- 9. FOOD PREPARATION, OUTDOOR EATING AREAS, AND DESIGNATED CHILDREN PLAY EQUIPMENT MUST NOT BE SUBJECTED TO RECYCLED WATER OVERSPRAY, RUNOFF OR PONDING, TYPICAL WAYS OF ACCOMPLISHING THIS IS BY SELECTION OF LANDSCAPE MATERIALS OR BY DESIGN SUCH AS UTILIZING LOW TRAJECTORY ROTORS OR BUBBLER IRRIGATION.
- 10. NO PONDING, RUNOFF OR OVERSPRAY IS PERMITTED. ADJUST ALL SPRINKLER HEADS TO MINIMIZE OVERSPRAY ONTO SIDEWALKS, STREETS DRINKING AND DECORATIVE FOUNTAINS, COMFORT STATIONS, PLAYGROUND EQUIPMENT, PICNIC TABLES, BBQ, PRIVATE LOTS, ETC.
- 11. ALL ON-SITE RECYCLED WATER PIPING INSTALLED ON THIS PROJECT SHALL BE PURPLE IN COLOR, PANTONE 522C AND IDENTIFIED IN ACCORDANCE WITH THE CURRENT COPH GUIDELINES AND LOS ANGELES UNIFIED SCHOOL DISTRICTS STANDARDS AND SPECIFICATIONS.
- 12. SIGNS OR DECALS WITH "RECYCLED WATER, DO NOT DRINK" AND THE DO NOT DRINK SYMBOL MUST BE POSTED ON PUMP CABINETS AND CONTROLLER STATIONS. RECYCLED WATER SPRINKLERS / SPRAY HEADS MUST HAVE PURPLE CAPS, PURPLE COLLARS, AND THE RISERS HAVE A RECYCLED WATER DECAL. LARGE THROW HEADS MUST HAVE PURPLE INSERTS. PURPLE CAPS AND COLLARS MUST BE FIRMLY AFFIXED TO SPRINKLER HEADS. ALL OTHER ABOVE GROUND EQUIPMENTS MUST BE COLORED PURPLE OR HAVE A "RECYCLED WATER, DO NOT DRINK" DECAL OR SIGN.
- 13. INSTALL SIGNAGE REGARDING RENOVATION OF EXISTING IRRIGATION SYSTEM. SIGNAGE SHOULD BE IN LOCATION WHERE IT WILL BE EASILY SEEN BY ANYONE THAT WILL BE DOING WORK ON THE SYSTEM

- (E.G. MAIN CONTROLLER/ SHUT OFF VALVE). SIGN SHOULD STATE THAT RECYCLED WATER IS USED ON SITE AND DHS AND DWP (OR LOCAL WATER PURVEYOR) MUST BE NOTIFIED PRIOR TO ANY RENOVATION ON THE EXISTING SYSTEM.
- 14. ALL VALVE CAPS FOR ON-SITE BURIED GATE VALVES SHALL BE TRIANGULAR IN SHAPE WITH THE WORDS "RECYCLED WATER" THEREON PER STANDARD DRAWING IRR-016.
- 15. WARNING TAPE FOR THE RECYCLED WATER PIPING SHALL BE PURPLE IN COLOR, PANTONE 522C, WITH THE WORDS "CAUTION: RECYCLED WATER" IMPRINTED IN MINIMUM 1 INCH HIGH LETTERS BLACK IN COLOR. IMPRINTING SHALL BE CONTINUOUS AND PERMANENT. WARNING TAPE SHALL BE METALLIC AND DETECTABLE.
- 6. ALL AUTOMATIC CONTROLLERS MUST BE SET TO OPERATE BETWEEN THE HOURS OF 9:00 P.M. AND 4:00 A.M. UNLESS OTHERWISE PERMITTED BY THE DISTRICT.
- 17. WARNING SIGNS AND LABELS SHALL READ "CAUTION: RECYCLED WATER DO NOT DRINK", AND HALL BE IN BOTH ENGLISH AND IN SPANISH. THE SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL FOR DO NOT DRINK. THE DESIGN LOCATION FOR WARNING SIGNS SHALL BE CALLED DUT ON THE PLANS AT ALL DRIVEWAY ENTRANCES, WALKWAY ENTRANCES, RECYCLED WATER METERS AND POSTED EVERY 500' ALONG FENCE LINES. FINAL FIELD LOCATIONS SHALL BE AS DIRECTED BY THE DISTRICT REPRESENTATIVE AND ASBULLT.
- 18. WHEN POTABLE WATER IS ONSITE, THE REQUIRED DEPARTMENT OF HEALTH TITLE 22 CROSS CONNECTION SHUTDOWN TEST SHALL PRECEDE THE FINAL RELEASE OF THE IRRIGATION SYSTEM. THIS TEST WILL BE CONDUCTED BY LAUSD'S WATER OPERATIONS DEPARTMENT.
- 19. ALL PUBLIC AND PRIVATE POTABLE WATER MAINS INCLUDING FIRE MAINS AND ANY WATER WELLS AND WATER COURSES WITHIN THE RECYCLED WATER PROJECT SHALL BE SHOWN ON THE PLANS.
- 20. FUTURE RECYCLED WATER IRRIGATION SYSTEMS MUST BE COMPLETELY SEPARATED FROM THE DOMESTIC POTABLE SYSTEM. ALL TEMPORARY POTABLE CONNECTIONS FOR CONSTRUCTION OR IRRIGATION MUST BE HIGHLINED FROM AN ALTERNATE POTABLE SOURCE ONLY AS APPROVED BY THE DISTRICT. SAID CONNECTION MUST BE MADE THROUGH A T-METER AND AN APPROVED ABOVE GROUND REDUCED PRESSURE (RP) PRINCIPAL BACKFLOW DEVICE WITHIN 3 FEET OF METER. NO PURPLE COLORED PIPING OR APPURTENANCES SHALL BE CONNECTED TO ANY POTABLE WATER SOURCE.
- 21. APPROVED REDUCED PRESSURE PRINCIPAL BACKFLOW DEVICES (RP) MUST BE THE SAME NOMINAL SIZE AS THE METER. APPROVED BACKFLOW DEVICES (RP) MUST BE TESTED BY AN LOS ANGELES UNIFIED SCHOOL DISTRICT APPROVED BACKFLOW TESTER (A LIST OF APPROVED TESTERS IS AVAILABLE UPON REQUEST).
- 22. ANY PROPOSED CHANGES TO A SYSTEM DURING CONSTRUCTION MUST BE SUBMITTED TO LOS ANGELES UNIFIED SCHOOL DISTRICT'S ENGINEERING DEPARTMENT FOR AUTHORIZATION OF CHANGES.
- 23. UPON FINAL ACCEPTANCE OF AN IRRIGATION SYSTEM, ANY FUTURE MODIFICATIONS MUST BE APPROVED THROUGH LAUSD OPERATIONS AND MAINTENANCE DEPARTMENT PRIOR TO THE START OF CONSTRUCTION.

24.EDUCATE ALL MAINTENANCE PERSONNEL ON A CONTINUOUS BASIS OF THE PRESENCE OF RECYCLED WATER. PERSONNEL MUST BE INFORMED THAT RECYCLED WATER IS MEANT FOR IRRIGATION URPOSES ONLY, AND IS NOT APPROVED FOR DRINKING PUPPOSES, HAND WASHING, CLEANING OF TOOLS, ETC. COMMUNITY OUTREACH SHALL BE PROVIDED TO INFORM THE COMMUNITY ON THE APPROVED USE OF RECYCLED WATER.

- 26.AN ON-SITE USER/SUPERVISOR SHALL BE DESIGNATED IN WRITING. THIS INDIVIDUAL SHALL BE FAMILIAR WITH PLUMBING SYSTEMS WITHIN THE PROPERTY, WITH THE BASIC CONCEPTS OF BACKFLOW/CROSS CONNECTION PROTECTION, THE RECYCLED PURVEYOR'S RULES AND REGULATIONS, AND THE SPECIFIC REQUIREMENTS OF A RECYCLED WATER SYSTEM. SAID PERSON IS REQUIRED TO PROVIDE A 24 HOUR CONTACT PHONE NUMBER AND ATTEND APPROVED SITE SUPERVISOR CLASS. COPIES OF THE DESIGNATION, WITH CONTACT PHONE NUMBERS SHALL BE PROVIDED TO LOS ANGELES UNIFIED SCHOOL
- 27.LOCKABLE QUICK COUPLER VALVES FOR RECYCLED WATER SHALL BE NELSON 7645, OR APPROVED EQUAL, WITH BRASS CONSTRUCTION AND WITH A SPECIAL QUICK COUPLER KEY WITH AN ACME THREAD FOR OPENING AND CLOSING THE VALVE. QUICK COUPLING VALVES SHALL BE OF A TYPE APPROVED FOR RECYCLED WATER USE. QUICK COUPLER VALVES CANNOT BE LOCATED WITHIN 50 FEET OF FOOD PREPARATION, OUTDOOR EATING AREAS, OR DESIGNATED CHILDREN PLAY EQUIPMENT OR WITHIN THE FENCED PERIMETER SURROUNDING SWIMMING POOLS. PRIOR TO THE FINAL COVERAGE TEST, ONE (1) COMPLETE SET OF LAMINATED CONTROLLER CHARTS AND IRRIGATION AS—BUILT DRAWINGS SHALL BE PROVIDED TO THE DISTRICT. AT THE DISTRICT'S DISCRETION, A SECOND COPY OF CONTROLLER CHARTS SHALL BE PLACED IN THE ONTROLLER CABINET.
- 28.POTABLE QUICK COUPLERS ARE NOT ALLOWED WITHIN THE RECYCLED WATER IRRIGATED AREA. POTABLE QUICK COUPLERS SHALL BE THE LUG TYPE.
- 29. EACH AUTOMATIC CONTROLLER AND ITS ASSOCIATED EQUIPMENT SHALL BE IDENTIFIED WITH A SIGN BEARING THE WORDS "CAUTION: RECYCLED WATER DO NOT DRINK" IN ENGLISH AND SPANISH, WITH BLACK LETTERS AT LEAST 1 INCH HIGH ON A PURPLE BACKGROUND AND WITH A "DO NOT DRINK" SYMBOL SIGN. THE SIGNS SHALL BE PLACED AS TO BE READILY SEEN BY ANY OPERATIONS PERSONNEL UTILIZING THE EQUIPMENT.
- 30. INTERCONNECTION OF IRRIGATION PRESSURE SUPPLY LINES ORIGINATING FROM MORE THAN ONE METER IS STRICTLY PROHIBITED. FAILURE TO COMPLY WITH THESE NOTES AND THE DISTRICT'S RULES AND REGULATIONS IS A VIOLATION AND COULD RESULT IN SUSPENSION OF SERVICE UNTIL THE APPROPRIATE CORRECTIVE STEPS HAVE BEEN TAKEN.







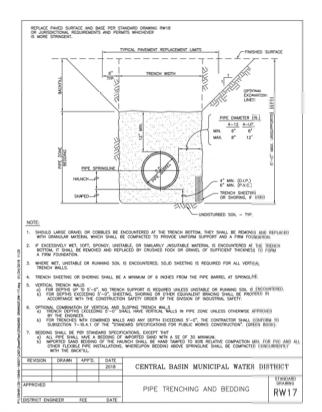
CENTRAL BASIN MUNICIPAL WATER DISTRICT PROP 1 RECYCLED WATER CUSTOMER CONVERSION FOR DISADVANTAGED COMMUNITIES

LACDPH REQUIREMENTS, LAUSD GENERAL NOTES

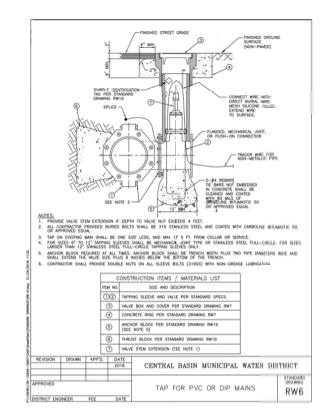
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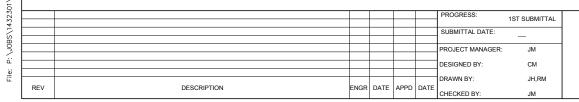








TAPPING VALVE DETAIL









CENTRAL BASIN MUNICIPAL WATER DISTRICT PROP 1 RECYCLED WATER CUSTOMER CONVERSION FOR DISADVANTAGED COMMUNITIES

DRAWING NO.

**DETAILS** 

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