BRANN RANCH - HIGHWAY 12 WIDENING

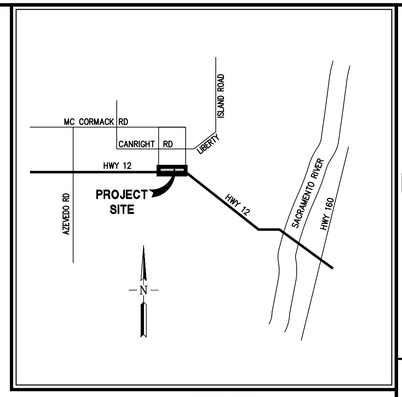
CITY OF RIO VISTA, SOLANO COUNTY, CALIFORNIA
FOR: ENCORE LIBERTY II, LLC

LEGEND

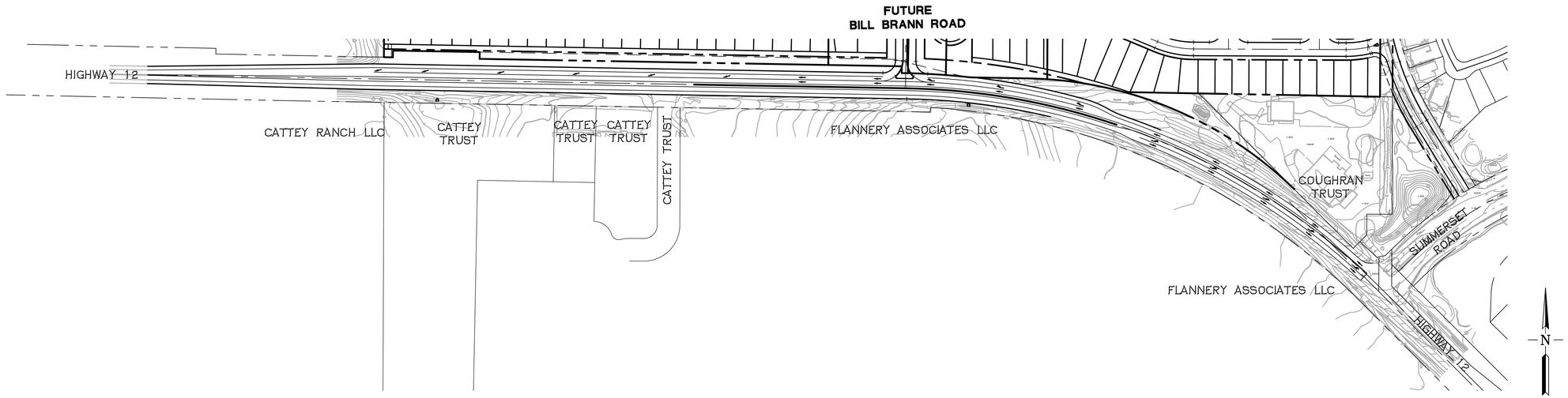
PROPOSED	DESCRIPTION	EXISTING
	TRACT BOUNDARY	
	LOT LINE	
	RIGHT OF WAY	
	CENTER LINE	
	MATCH LINE	
	RETAINING WALL	
	EASEMENT LINE	
12"SD	STORM DRAIN	EX 12"SD
	CURB & GUTTER	EX FC
	SAWCUT	
	SIDEWALK	
	EARTH OR GRASS SWALE	
	VALLEY GUTTER	
	STORM WATER INLET	
	DROP INLET	
	AREA DRAIN	
	BUBBLE UP	
	MANHOLE	
	FIRE HYDRANT	
	MONUMENT	
	TRAFFIC SIGN	
	FENCE	
	BARRICADE	

ABBREVIATIONS

AB	AGGREGATE BASE	LL	LOT LINE
AC	ASPHALT CONCRETE	LP	LOW POINT
BC	BEGINNING OF CURVE	MAX	MAXIMUM
BDY	BOUNDARY	MH	MANHOLE
CL	CENTER LINE	MIN	MINIMUM
CMP	CORRUGATED METAL PIPE	OH	OVERHEAD
DI	DROP INLET	P	PAD ELEVATION
EC	END OF CURVE	PAV	PAVEMENT
EP	EXISTING PAVEMENT	PL	PROPERTY LINE
EVAE	EMERGENCY VEHICLE ACCESS EASEMENT	PVC	POLYVINYL CHLORIDE PIPE
EX	EXISTING	RCP	REINFORCED CONCRETE PIPE
FC	FACE OF CURB	RET	CURB RETURN
FH	FIRE HYDRANT	RW	RIGHT OF WAY
FL	FLOW LINE	SD	STORM DRAIN
GB	GRADE BREAK	STD	STANDARD
HP	HIGH POINT	SW	STORM WATER INLET
INV	INVERT ELEVATION	SWK	SIDEWALK
LF	LINEAR FOOT	TYP	TYPICAL



VICINITY MAP
NOT TO SCALE



SHEET INDEX

SHEET NO.	DESCRIPTION
C0.0	COVER SHEET
C1.0	PRELIMINARY SECTIONS AND DETAILS
C1.1	PRELIMINARY PLAN AND PROFILE
C1.2	PRELIMINARY PLAN AND PROFILE
C1.3	PRELIMINARY PLAN AND PROFILE
C2.1	PRELIMINARY STORMWATER TREATMENT PLAN
C3.1	PRELIMINARY SIGNING AND STRIPING

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ENGINEERS • PLANNERS • SURVEYORS
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NOT FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER
DAVID M. HARTERHOUSE
No. 82632
CIVIL
STATE OF CALIFORNIA

PRELIMINARY ENCROACHMENT PLANS
BRANN RANCH - HIGHWAY 12 WIDENING
COVER SHEET
CITY OF RIO VISTA, SOLANO COUNTY, CALIFORNIA

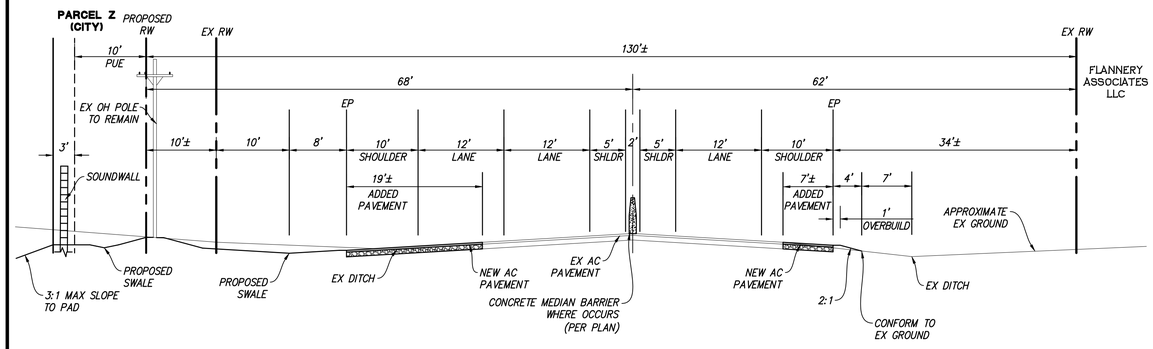
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AS SHOWN	11-6-2023	HCR	JA	DH

DATE	MK	SHEET REVISIONS	BY	CK	CITY

SHEET NO.
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OF 7 SHEETS

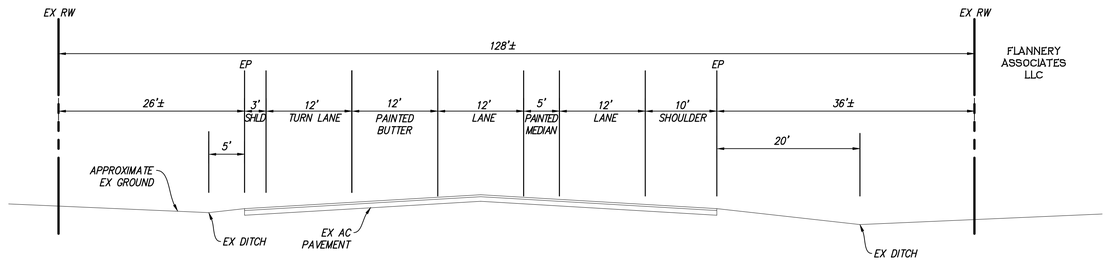
JOB NO.
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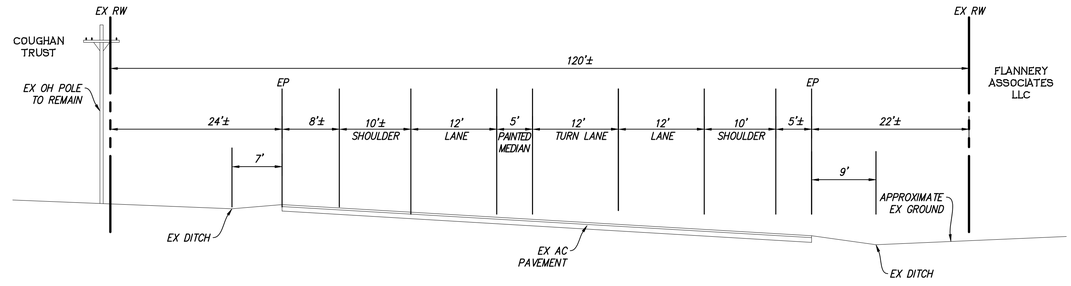
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1 **STA 236+00.00 TO STA 255+00.00**



NOT TO SCALE

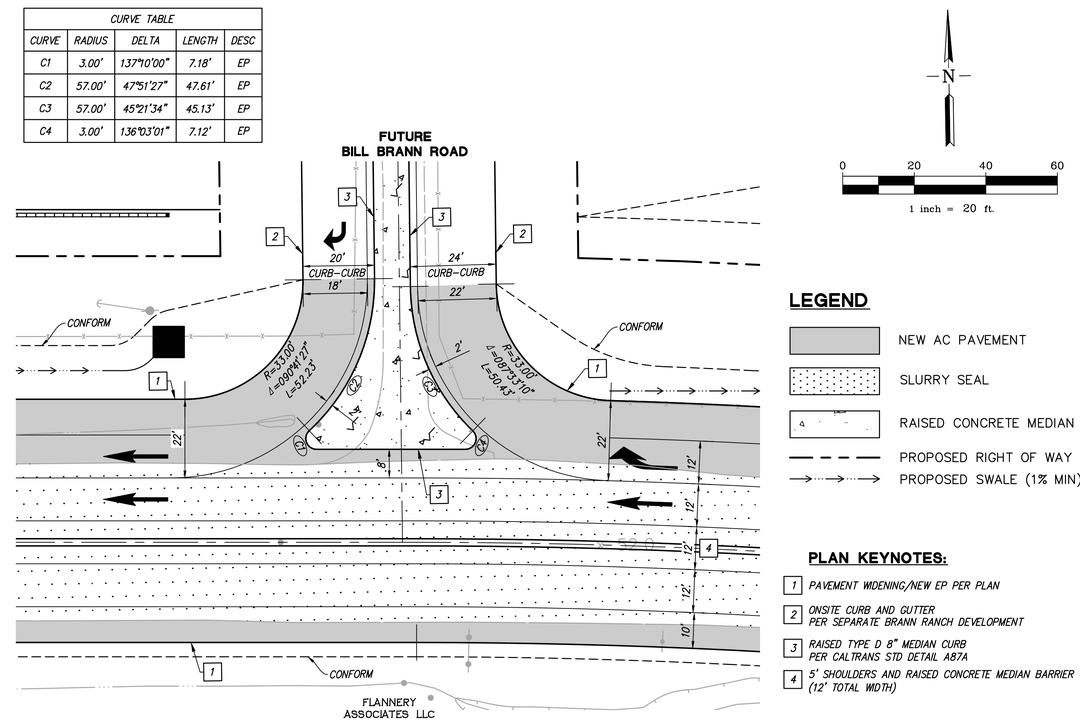
3 **STA 263+00.00 TO SUMMERSET ROAD**



NOT TO SCALE

2 **STA 257+00.00 TO STA 263+00.00**

CURVE TABLE				
CURVE	RADIUS	DELTA	LENGTH	DESC
C1	3.00'	137°10'00"	7.18'	EP
C2	57.00'	47°51'27"	47.61'	EP
C3	57.00'	45°21'34"	45.13'	EP
C4	3.00'	136°03'01"	7.12'	EP



SCALE 1"=20'

4 **PROJECT ENTRY ENLARGED DETAIL**

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DAVID R. TEMPLETON
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STATE OF CALIFORNIA

PRELIMINARY ENCROACHMENT PLANS
BRANN RANCH - HIGHWAY 12 WIDENING
PRELIMINARY SECTIONS AND DETAILS
CITY OF RIO VISTA, SOLANO COUNTY, CALIFORNIA

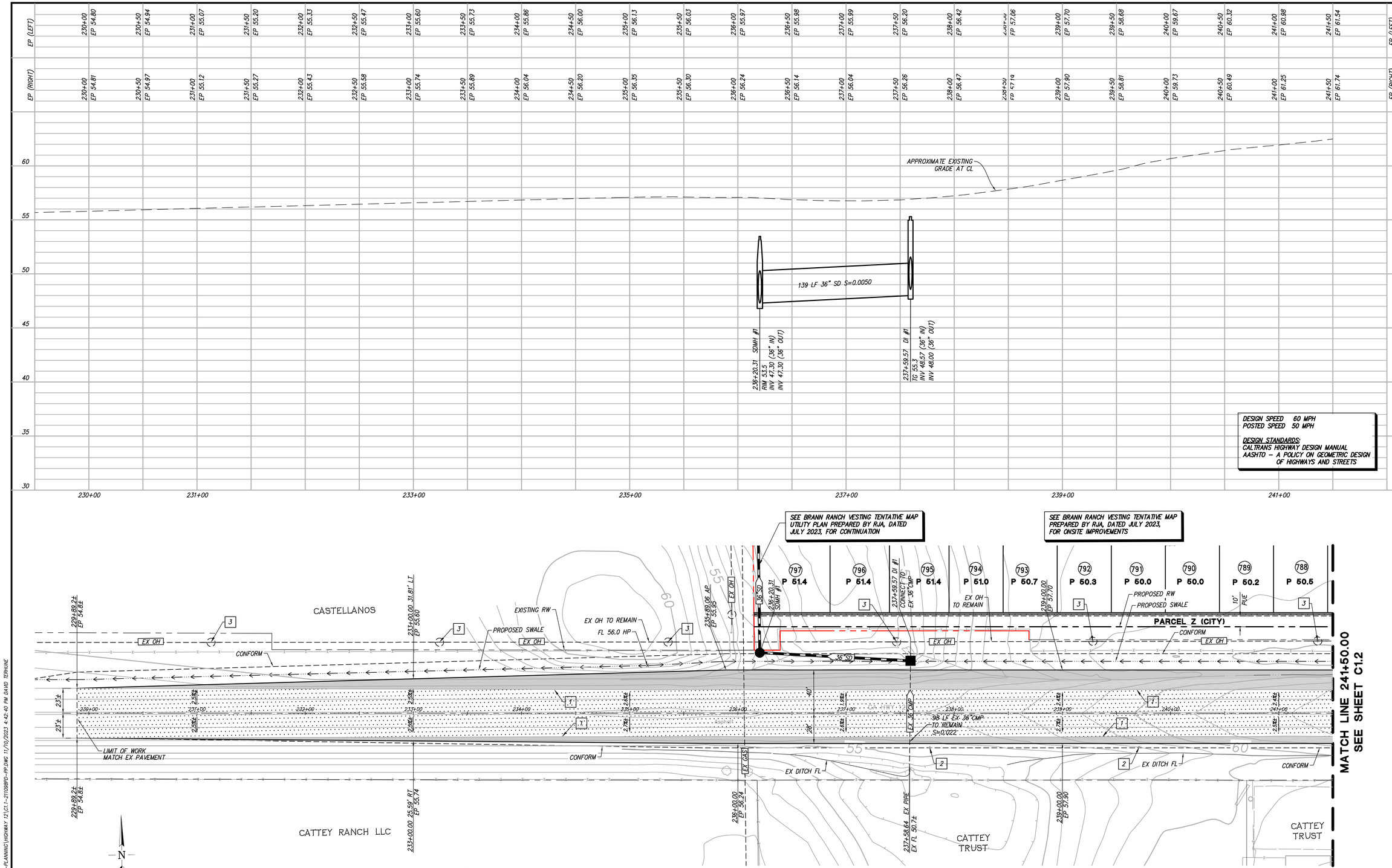
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AS SHOWN	11-8-2023	HCR	JA	DT

DATE	MK	SHEET REVISIONS	BY	CK	CITY

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LEGEND

- NEW AC PAVEMENT
- SLURRY SEAL
- PROPOSED SWALE (1% MIN)
- PROJECT BOUNDARY
- PROPOSED RIGHT OF WAY
- EXISTING RIGHT OF WAY

PLAN KEYNOTES:

1. EXISTING EDGE OF PAVEMENT
2. REMOVE AND ADJUST TO FINISH GRADE EXISTING TRAFFIC SIGN AND POST
3. EXISTING PG&E POLE TO REMAIN

BEFORE EXCAVATING
CALL U.S.A.
UNDERGROUND SERVICE ALERT
800-227-2600 TOLL FREE
48 HOURS BEFORE ALL PLANNED WORK OPERATIONS

NOTE:
LOCATIONS AND DEPTHS OF EX UTILITIES ARE APPROXIMATE. CONTRACTOR TO POTHOLE ALL EXISTING UTILITIES AT PROPOSED UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS A MINIMUM OF TWO WORKING DAYS PRIOR TO STARTING ANY WORK.

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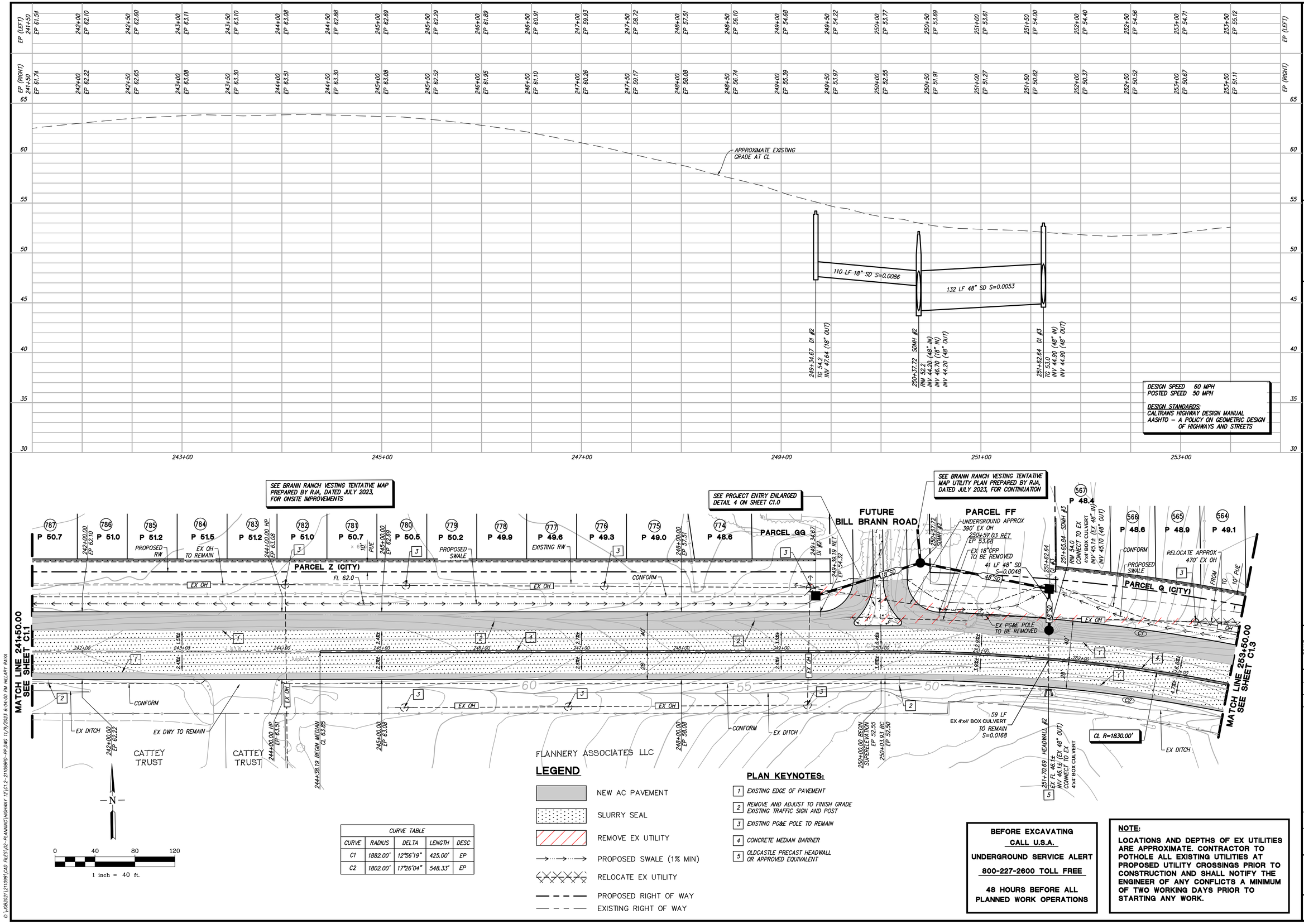
PRELIMINARY ENCROACHMENT PLANS
BRANN RANCH - HIGHWAY 12 WIDENING
PRELIMINARY PLAN AND PROFILE
CITY OF RIO VISTA, SOLANO COUNTY, CALIFORNIA

SCALE	AS SHOWN
DATE	11-8-2023
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PROJ. MGR.	DT

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JOB NO. 211098

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CURVE TABLE				
CURVE	RADIUS	DELTA	LENGTH	DESC
C1	1882.00'	12°56'19"	425.00'	EP
C2	1802.00'	17°26'04"	548.33'	EP

LEGEND

- NEW AC PAVEMENT
- SLURRY SEAL
- REMOVE EX UTILITY
- PROPOSED SWALE (1% MIN)
- RELOCATE EX UTILITY
- PROPOSED RIGHT OF WAY
- EXISTING RIGHT OF WAY

PLAN KEYNOTES:

1. EXISTING EDGE OF PAVEMENT
2. REMOVE AND ADJUST TO FINISH GRADE EXISTING TRAFFIC SIGN AND POST
3. EXISTING PG&E POLE TO REMAIN
4. CONCRETE MEDIAN BARRIER
5. OLDCASTLE PRECAST HEADWALL OR APPROVED EQUIVALENT

BEFORE EXCAVATING
CALL U.S.A.
UNDERGROUND SERVICE ALERT
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RJA
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DAVID J. VAN HOY
No. 82632
CIVIL
STATE OF CALIFORNIA

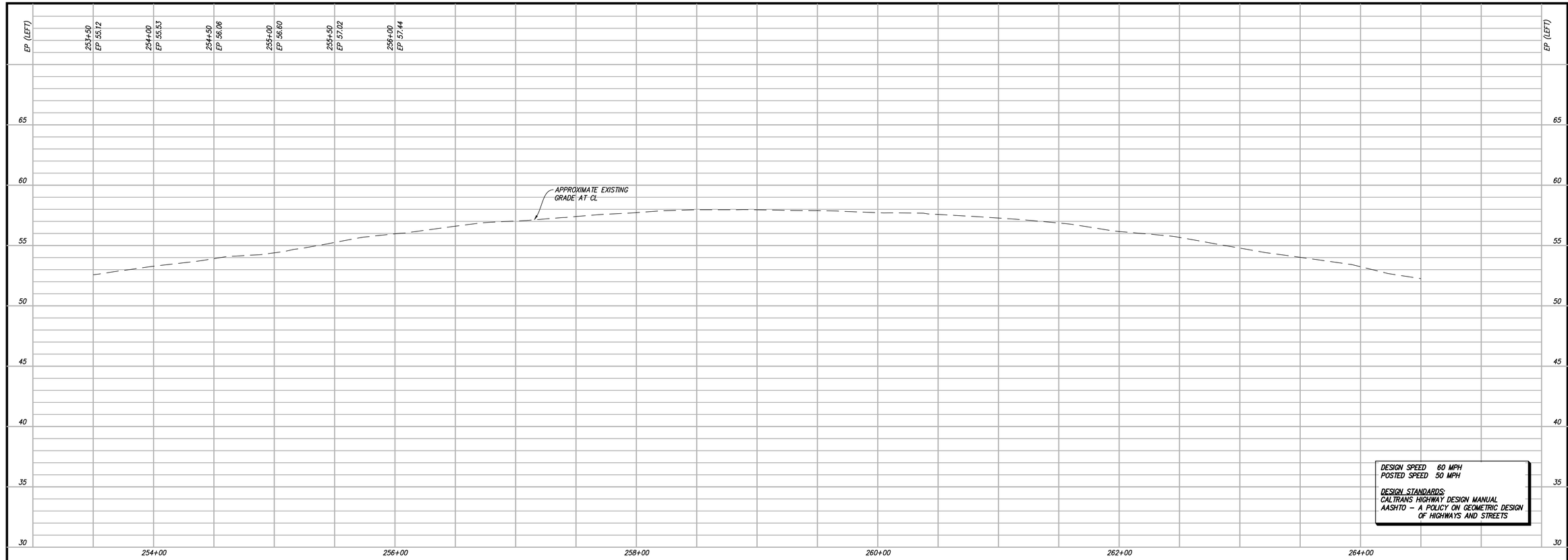
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BRANN RANCH - HIGHWAY 12 WIDENING
PRELIMINARY PLAN AND PROFILE
CITY OF RIO VISTA, SOLANO COUNTY, CALIFORNIA

DATE	BY	CK	CITY	SHEET REVISIONS
MK				

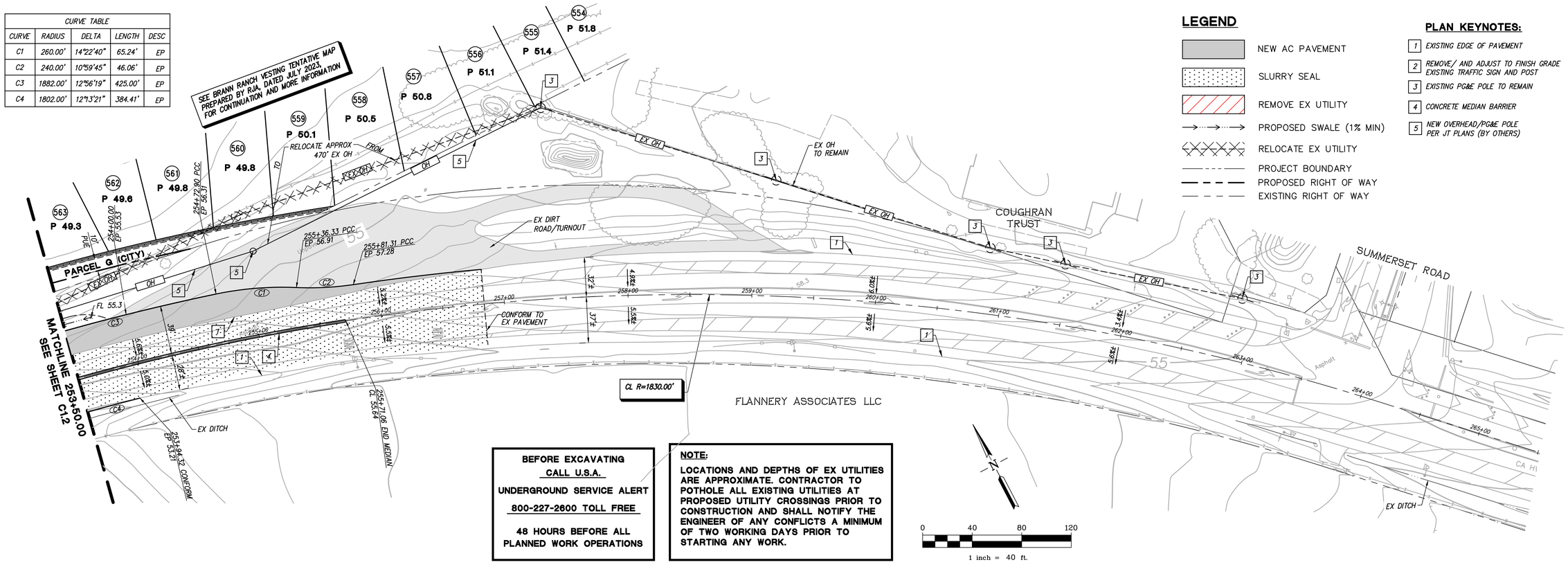
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PROJ MGR: DT

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CURVE TABLE				
CURVE	RADIUS	DELTA	LENGTH	DESC
C1	260.00'	14°22'40"	65.24'	EP
C2	240.00'	10°59'45"	46.06'	EP
C3	1882.00'	12°56'19"	425.00'	EP
C4	1802.00'	12°13'21"	384.41'	EP



LEGEND

- NEW AC PAVEMENT
- SLURRY SEAL
- REMOVE EX UTILITY
- PROPOSED SWALE (1% MIN)
- RELOCATE EX UTILITY
- PROJECT BOUNDARY
- PROPOSED RIGHT OF WAY
- EXISTING RIGHT OF WAY

PLAN KEYNOTES:

1. EXISTING EDGE OF PAVEMENT
2. REMOVE/ AND ADJUST TO FINISH GRADE EXISTING TRAFFIC SIGN AND POST
3. EXISTING PG&E POLE TO REMAIN
4. CONCRETE MEDIAN BARRIER
5. NEW OVERHEAD/PG&E POLE PER JT PLANS (BY OTHERS)

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CALL U.S.A.
UNDERGROUND SERVICE ALERT
800-227-2600 TOLL FREE
48 HOURS BEFORE ALL PLANNED WORK OPERATIONS

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0 40 80 120
1 inch = 40 ft.

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REGISTERED PROFESSIONAL ENGINEER DAVID T. TATTERSHALL No. 82632 CIVIL STATE OF CALIFORNIA

PRELIMINARY ENCROACHMENT PLANS
BRANN RANCH - HIGHWAY 12 WIDENING
PRELIMINARY PLAN AND PROFILE
CITY OF RIO VISTA, SOLANO COUNTY, CALIFORNIA

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DATE 11-8-2023
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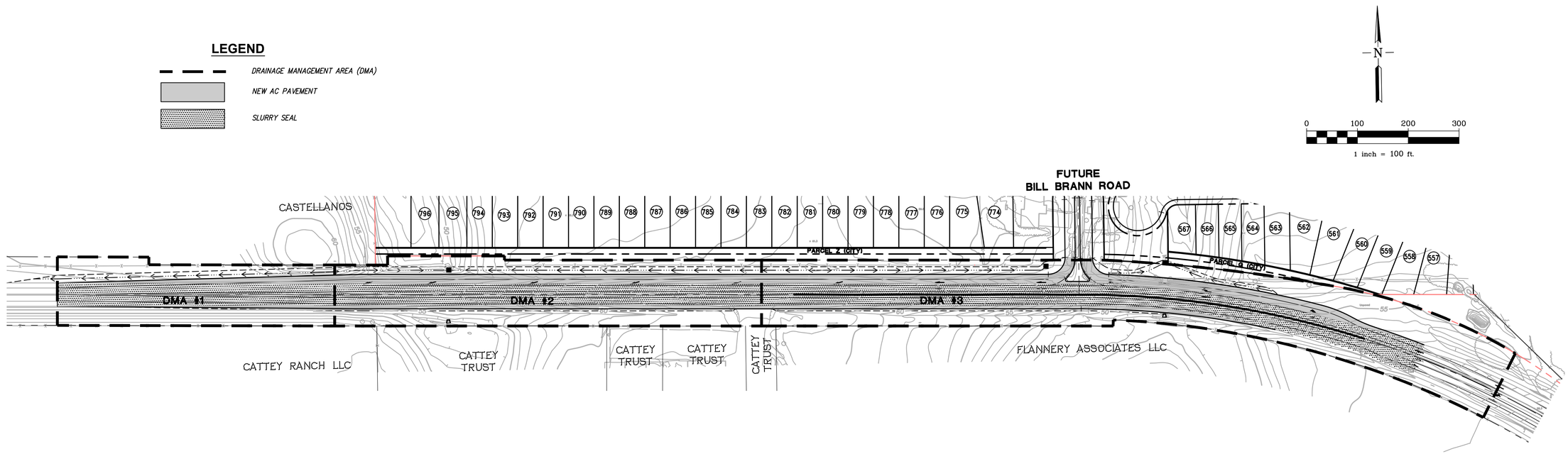
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LEGEND

- DRAINAGE MANAGEMENT AREA (DMA)
- NEW AC PAVEMENT
- SLURRY SEAL



PRELIMIANRY STORMWATER TREATMENT CALCULATIONS

DMA	TOTAL DMA AREA (SF)	IMPERVIOUS AREA (SF)	PERVIOUS AREA (SF)	EFFECTIVE IMPERVIOUS AREA (SF)	REQUIRED TREATMENT AREA (SF) (1)	PROVIDED TREATMENT AREA (SF) (1)
1	68,178	17,035	51,143	22,149	11,075	51,143
2	109,906	20,541	89,365	29,478	14,739	89,365
3	193,650	29,590	164,060	45,996	22,998	164,060
TOTAL	371,734	67,166	304,568			

NOTE:
1. THE DRAINAGE MANAGEMENT AREAS SHALL BE TREATED VIA THE 2:1 SELF-RETAINING AREA WITHIN THE LANDSCAPE STRIP.

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REGISTERED PROFESSIONAL ENGINEER
DAVID T. FLEERLAGE
No. 82632
CIVIL
STATE OF CALIFORNIA

PRELIMINARY ENCROACHMENT PLANS
BRANN RANCH - HIGHWAY 12 WIDENING
PRELIMINARY STORMWATER TREATMENT PLAN
CITY OF RIO VISTA, SOLANO COUNTY, CALIFORNIA

DATE	BY	CK	CITY
MK			

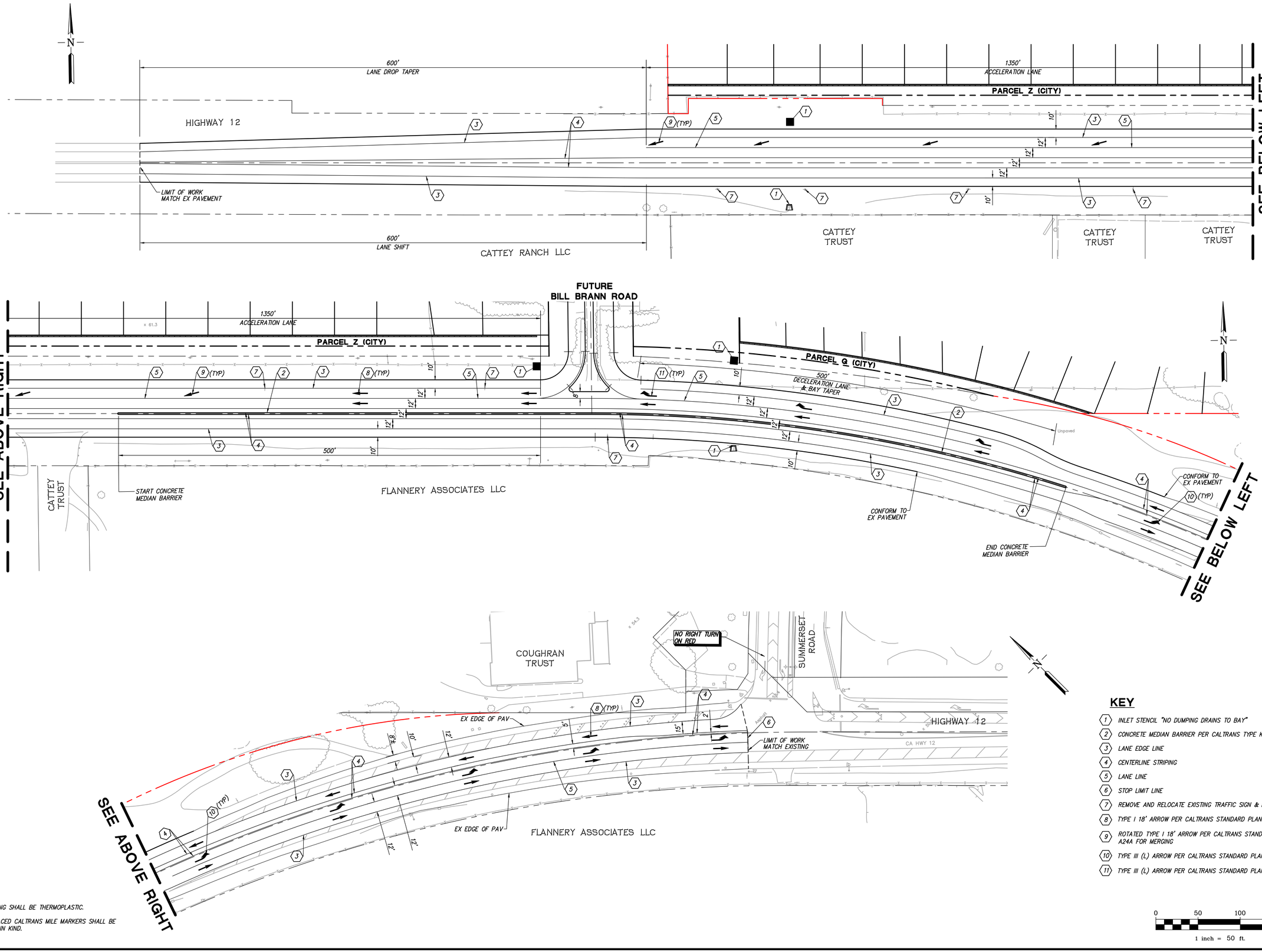
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KEY

1. INLET STENCIL "NO DUMPING DRAINS TO BAY"
2. CONCRETE MEDIAN BARRIER PER CALTRANS TYPE K RAIL
3. LANE EDGE LINE
4. CENTERLINE STRIPING
5. LANE LINE
6. STOP LIMIT LINE
7. REMOVE AND RELOCATE EXISTING TRAFFIC SIGN & POST
8. TYPE I 18' ARROW PER CALTRANS STANDARD PLAN A24A
9. ROTATED TYPE I 18' ARROW PER CALTRANS STANDARD PLAN A24A FOR MERGING
10. TYPE III (L) ARROW PER CALTRANS STANDARD PLAN A24B
11. TYPE III (L) ARROW PER CALTRANS STANDARD PLAN A24B

0 50 100 150

1 inch = 50 ft.

NOTES:

1. ALL STRIPING SHALL BE THERMOPLASTIC.
2. ALL DISPLACED CALTRANS MILE MARKERS SHALL BE REPLACED IN KIND.

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STATE OF CALIFORNIA

PRELIMINARY SIGNING AND STRIPING

PRELIMINARY ENCROACHMENT PLANS
BRANN RANCH - HIGHWAY 12 WIDENING
CITY OF RIO VISTA, SOLANO COUNTY, CALIFORNIA

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