

PROJECT PLANS FOR :

TOWN OF LOOMIS

CULVERT

REPLACEMENT

FEBRUARY 2024

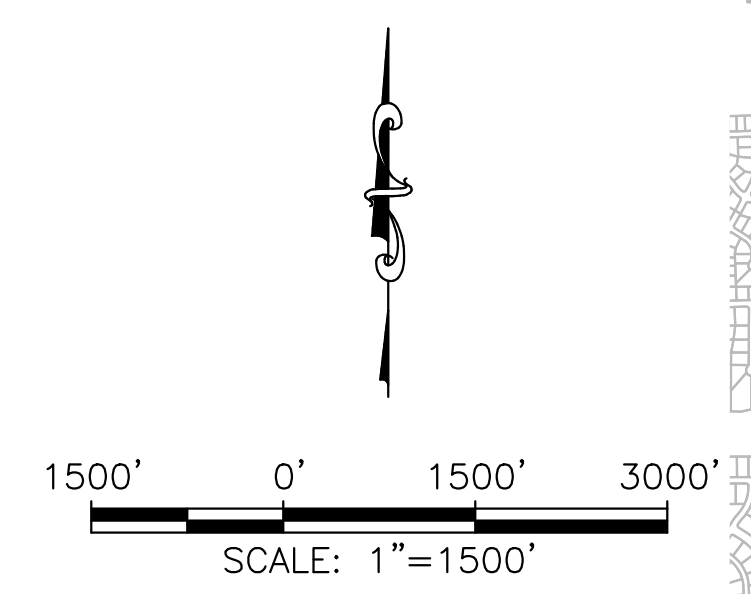
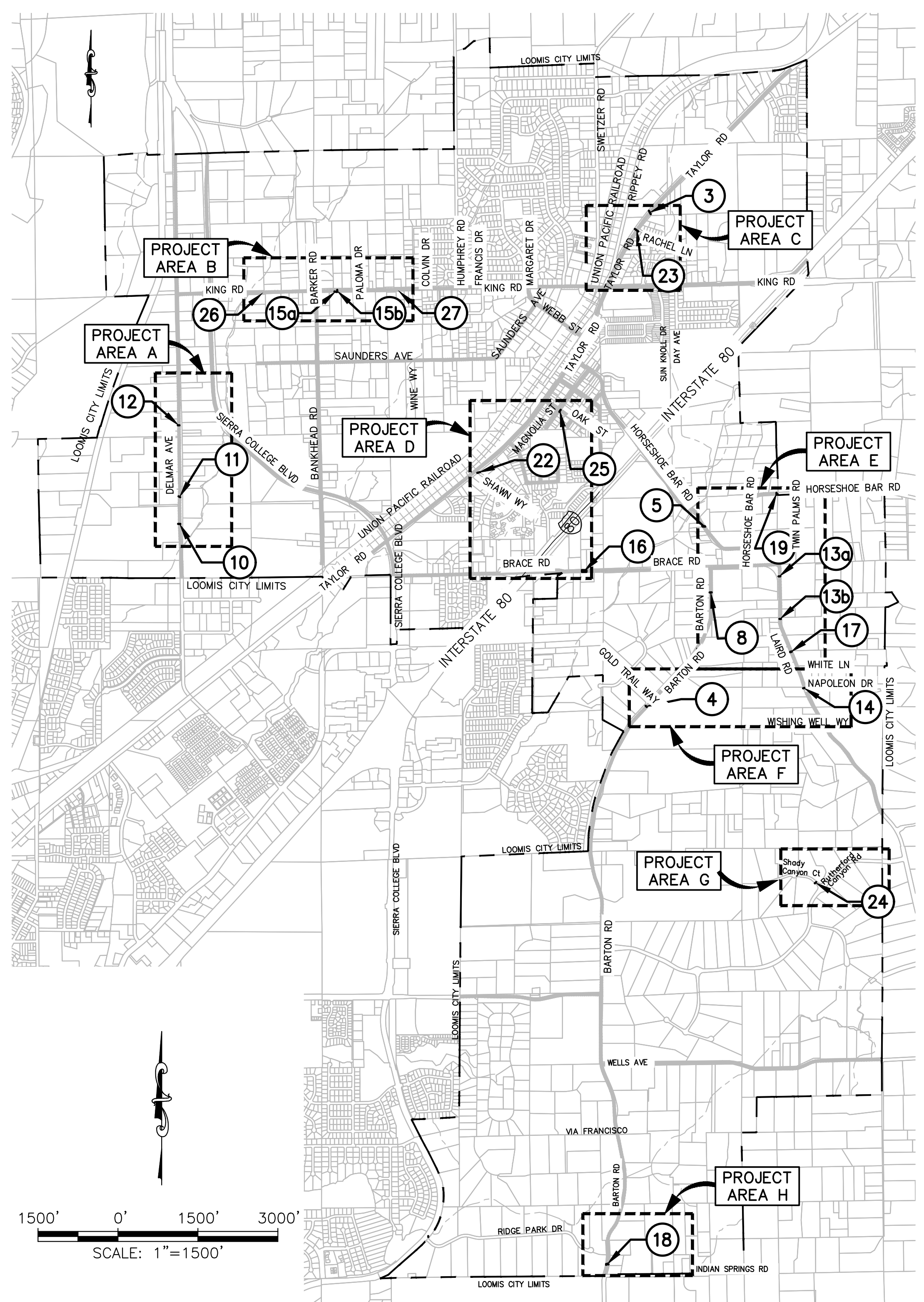
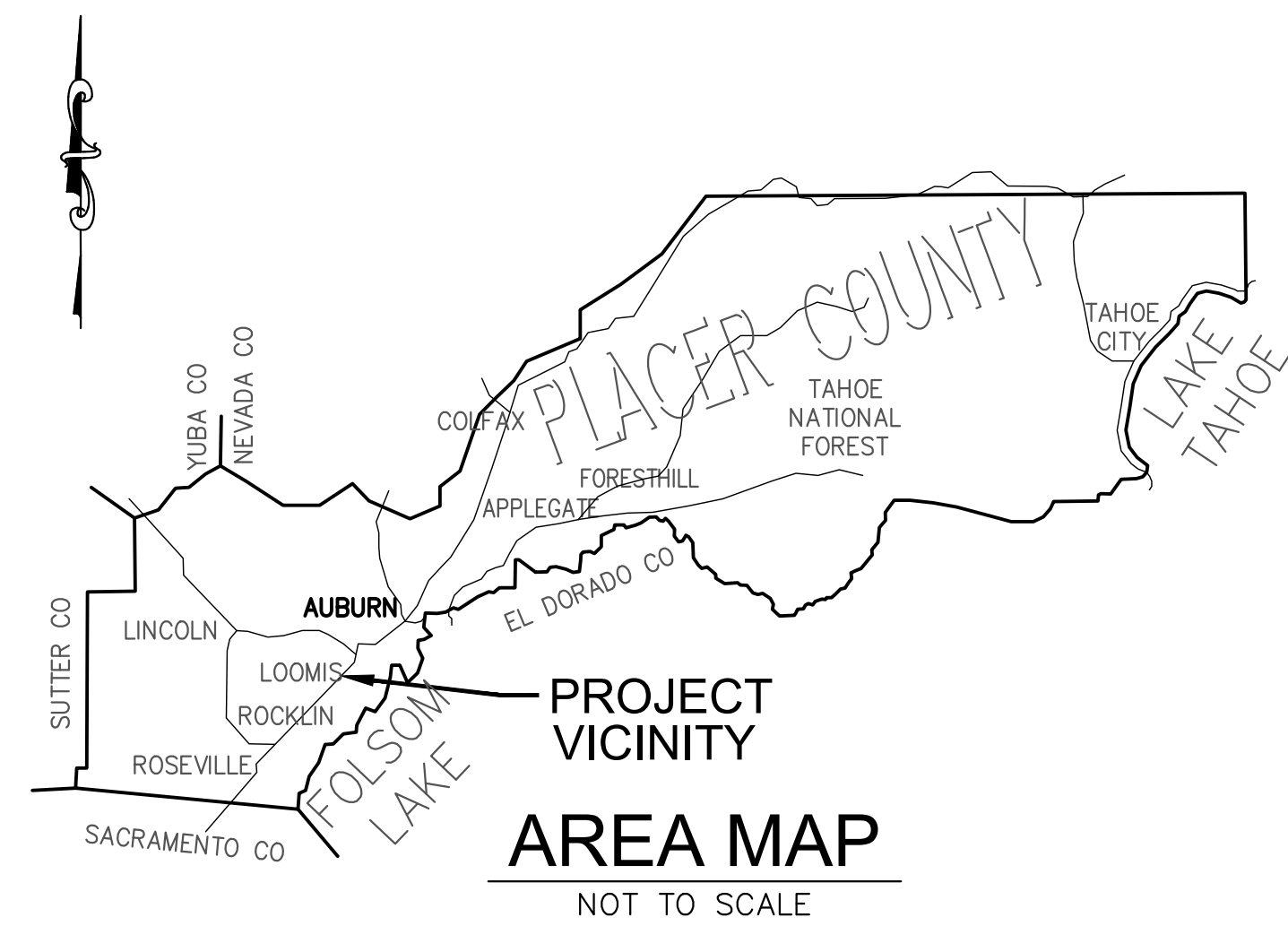
FOR THE

TOWN OF LOOMIS

PLACER COUNTY, CALIFORNIA

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LOCATION MAP

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

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11641 Blocker Dr, Ste 170, AUBURN, CA 95603
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Laurie M. Loaza
LAURIE M. LOAZA, RCE 65951

08/29/2023
DATE



BID SET
DATE: FEBRUARY 2024

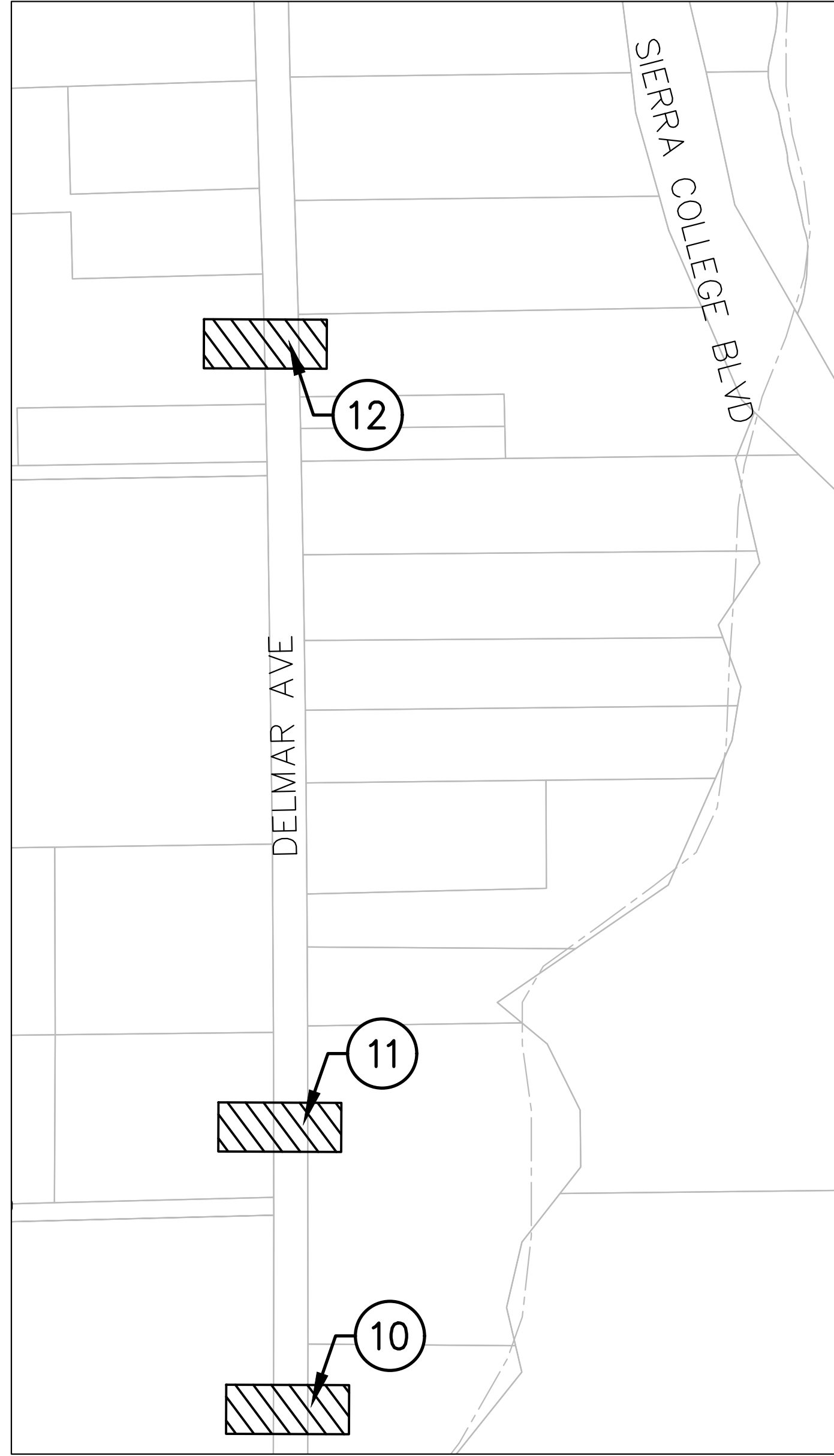
TOWN OF LOOMIS
APPROVED DATE 2/2/24
Merrill Buck
Merrill Buck, P.E.
TOWN ENGINEER

PROJECT NUMBER	65-4923
DRAWING DATE	AUGUST 2023
DRAWING NUMBER	1 OF 30

TOWN OF LOOMIS STORM DRAIN REPLACEMENT

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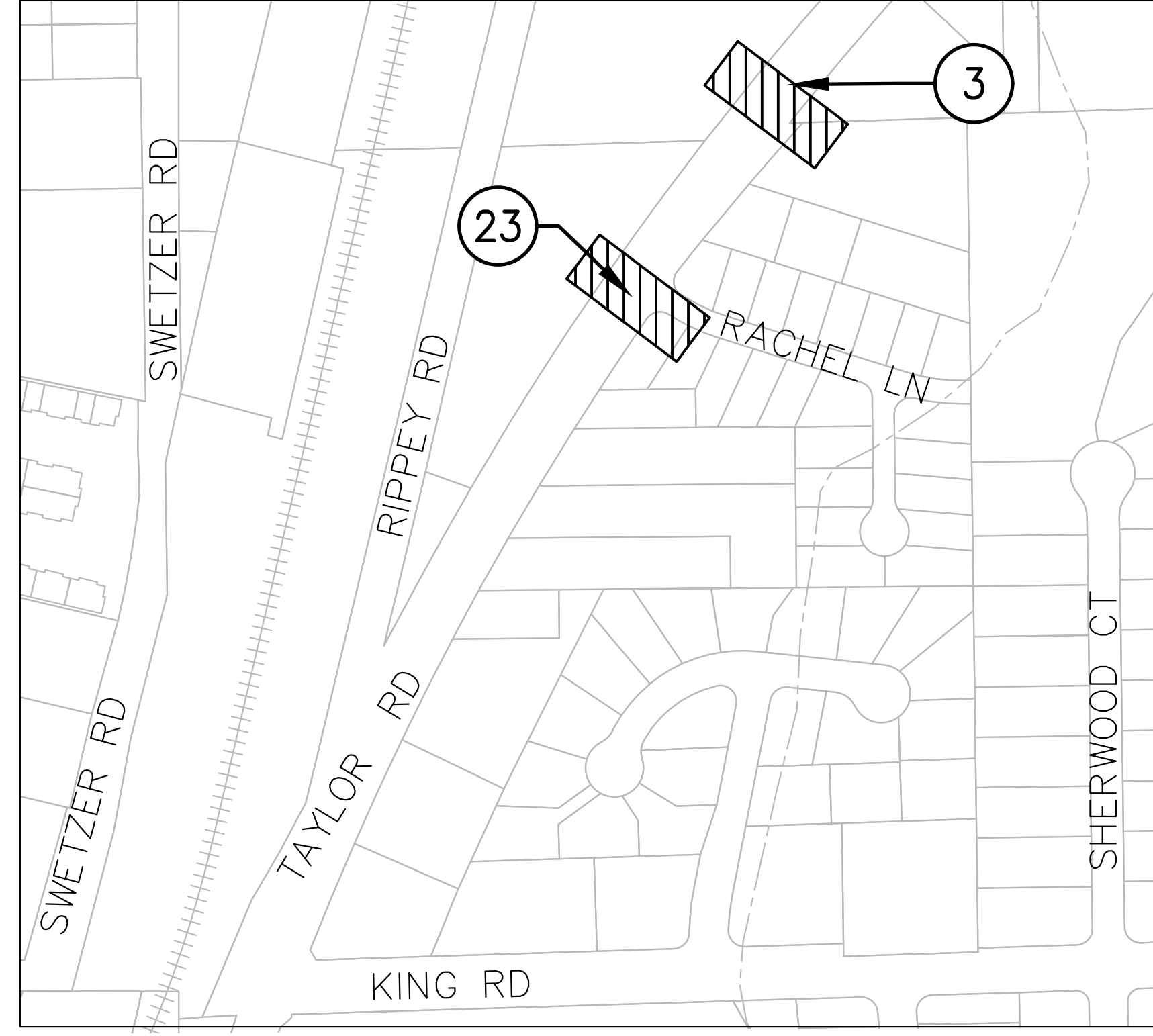
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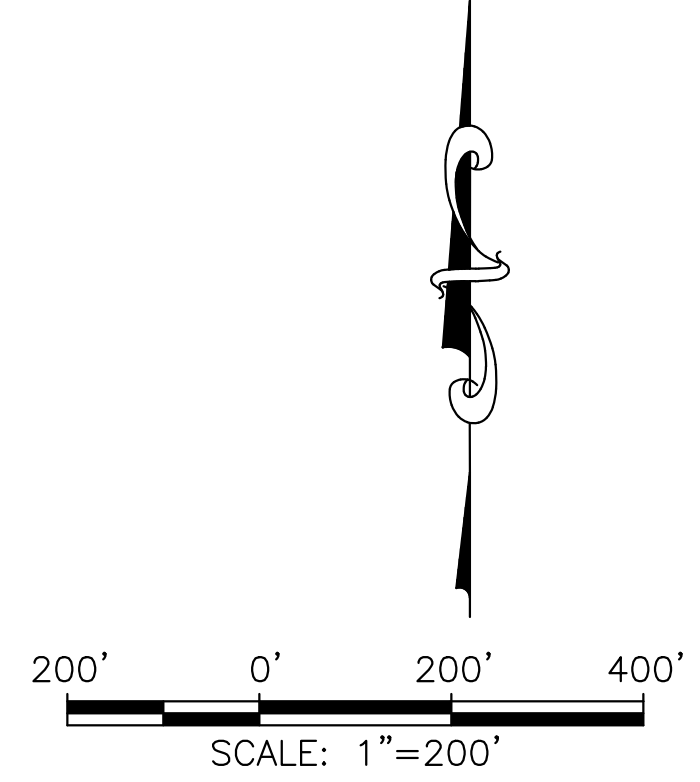
PROJECT AREA A



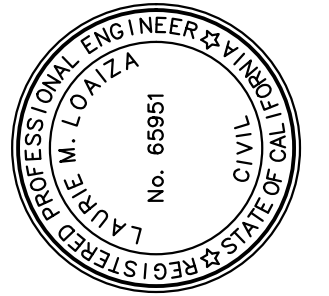
PROJECT AREA B



PROJECT AREA C



BID SET
DATE: FEBRUARY 2024



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Laurie M. Loaza
LAURIE M. LOAZA, RCE 65951 DATE 08/29/23
DESIGNED BY EC DRAWN BY KAS REVIEWED BY LVL

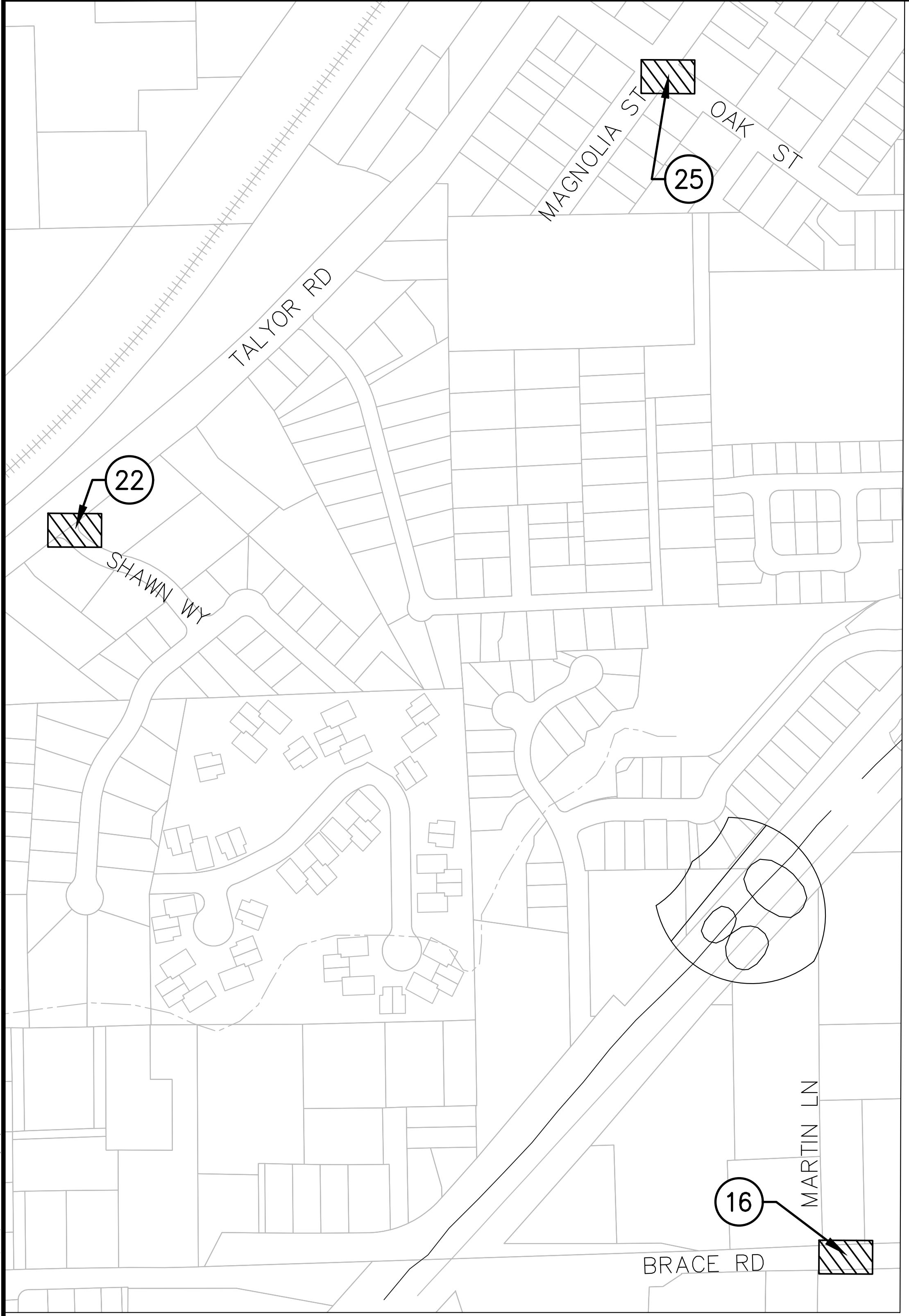
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TOWN OF LOOMIS
STREET CULVERT CROSSING RECONSTRUCTION CALIFORNIA
VICINITY MAP 1
PROJECT AREAS A, B, AND C

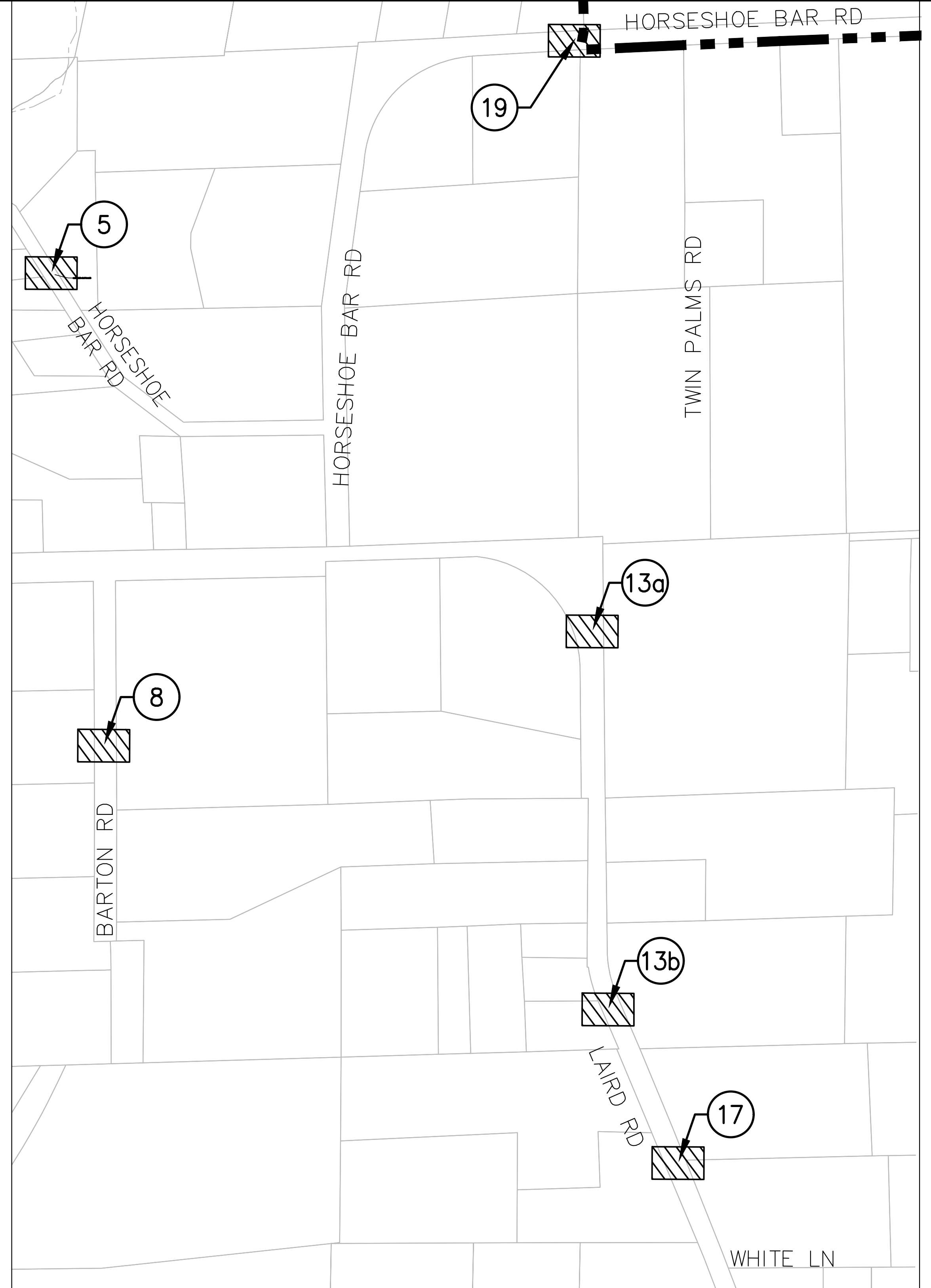
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DRAWING DATE AUGUST 2023
SHEET NUMBER 2 OF 30

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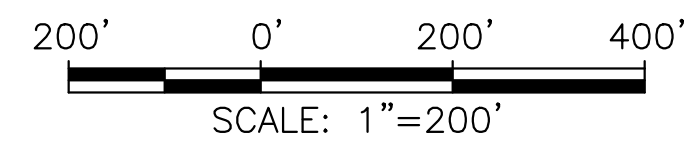
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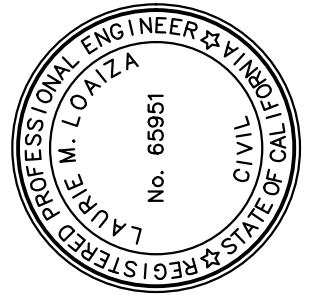
PROJECT AREA D



PROJECT AREA E



BID SET
DATE: FEBRUARY 2024



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Laurie M. Loaza
LAURIE M. LOAZA, RCE 65951 DATE 08/29/23
DESIGNED BY EC DRAWN BY KAS REVIEWED BY LML

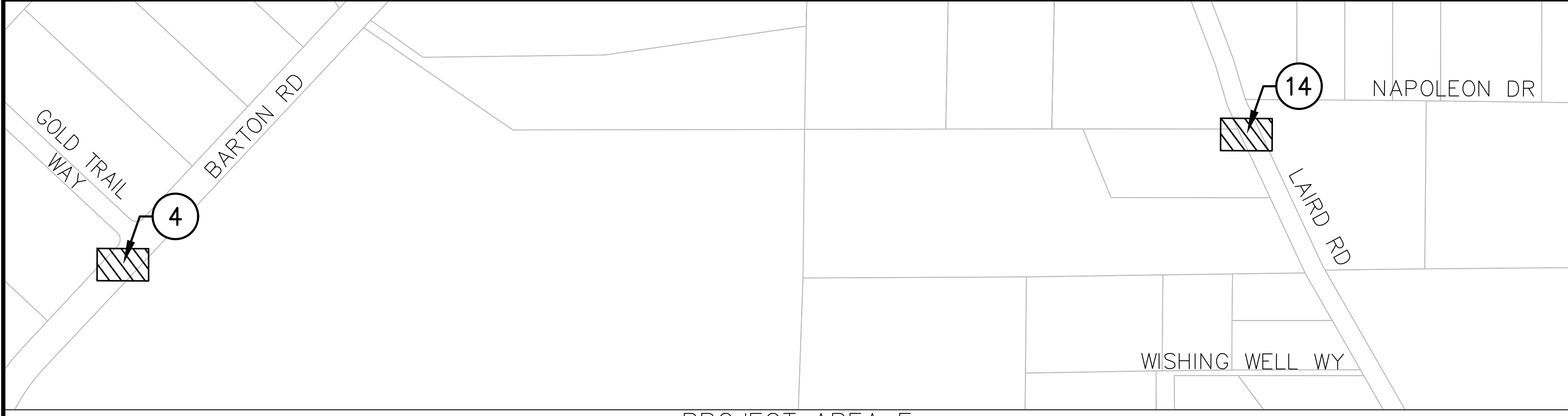
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TOWN OF LOOMIS
STREET CULVERT CROSSING RECONSTRUCTION
CALIFORNIA
VICINITY MAP 2
PROJECT AREAS D AND E

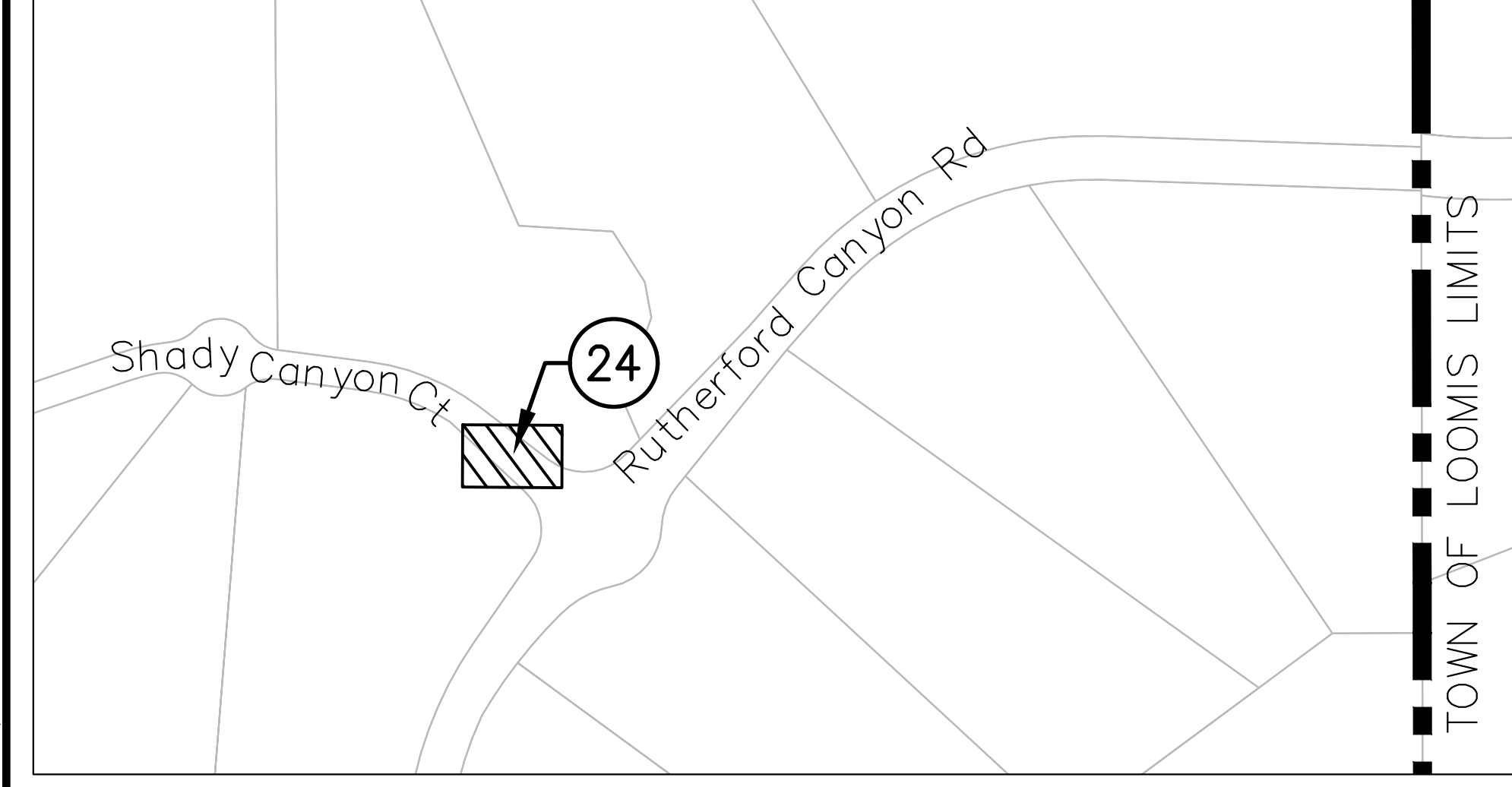
PROJECT NUMBER
65-4923
DRAWING DATE
AUGUST 2023
SHEET NUMBER
3 OF **30**

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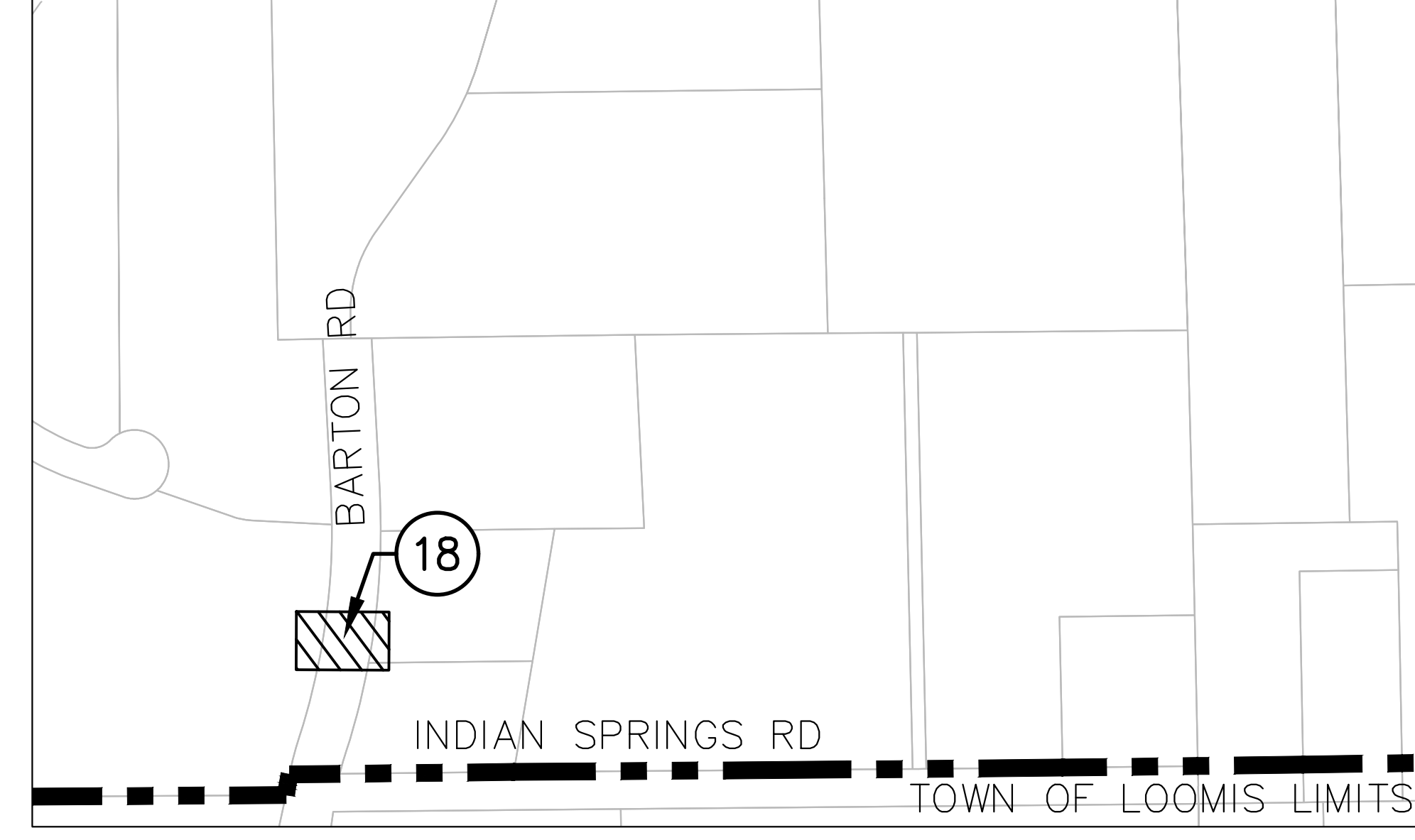
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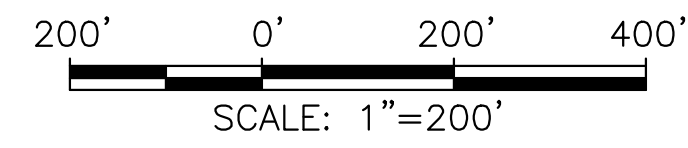
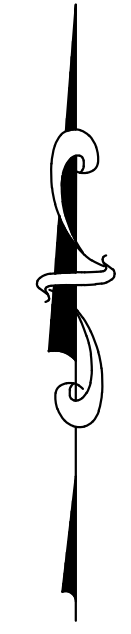
PROJECT AREA F



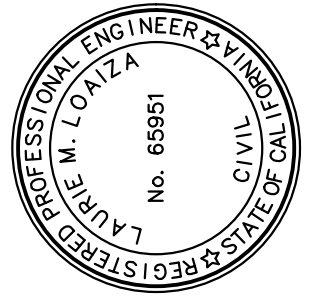
PROJECT AREA G



PROJECT AREA H



BID SET
DATE: FEBRUARY 2024



PREPARED UNDER THE DIRECTION OF
Laurie M. Loaza
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DRAWN BY: KAS
REVIEWED BY: LVL
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TOWN OF LOOMIS
STREET CULVERT CROSSING RECONSTRUCTION
CALIFORNIA
VICINITY MAP 3
PROJECT AREA F, G, AND H

PROJECT NUMBER
65-4923

DRAWING DATE
AUGUST 2023

SHEET NUMBER
4 OF 30

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

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ABBREVIATIONS:

AC	ASPHALT CONCRETE	PCC	POINT OF COMPOUND CURVE
BC	BEGIN CURVE	PED	PEDESTRIAN
BRC	BEGIN REVERSE CURVE	PVI	POINT OF VERTICAL INTERSECTION
BSW	BACK OF SIDEWALK	PVC	POLYVINYL CHLORIDE
BVC	BEGIN VERTICAL CURVE	OH	OVERHEAD UTILITY
CB	CATCH BASIN	RBSD	RICHARDSON BAY SANITARY DISTRICT
C&G	CURB & GUTTER	R.C.	RELATIVE COMPACTION
CI	CAST IRON	RCP	REINFORCED CONCRETE PIPE
CL	CENTERLINE	R&R	REMOVE & REPLACE
CLC	CONTROL LINE COORDINATE	RT	RIGHT
CMP	CORRUGATED METAL PIPE	SD	STORM DRAIN
CO	CLEANOUT	SDMH	STORM DRAIN MANHOLE
CONC	CONCRETE	SPMUD	SOUTH PLACER MUNICIPAL UTILITY DISTRICT
CR	CURB RETURN	SS	SANITARY SEWER
DET	DETECTOR	SS LAT	SANITARY SEWER LATERAL
DJ	DROP INLET	SSMH	SANITARY SEWER MANHOLE
DWY	DRIVEWAY	SSCO	SANITARY SEWER CLEANOUT
EC	END CURVE	STD	STEEL PIPE
ELEV	ELEVATIONS	STL	STANDARD
EP	EDGE OF PAVEMENT	SW	SIDEWALK
EX(E)	EXISTING	TOB	TOP OF BANK
FC	FACE OF CURB	TC	TOP OF CURB
FES	FLARED END SECTION	TEL	TELEPHONE
FG	FINISHED GRADE	TG	TOP OF GRATE
FL	FLOW LINE	TS	TRAFFIC SIGNAL
FLG	FLOW LINE OF GUTTER	TYP	TYPICAL
FSW	FRONT OF SIDEWALK	UG	UNDERGROUND
G	GAS	UPC	UNIFORM PLUMBING CODE
GB	GRADE BREAK	VLT	Vault
G SER	GAS SERVICE	VAR	VARIES
HDPE	HIGH-DENSITY POLYETHYLENE	WM	WATER MAIN
IG	INVERT GRADE	WS	WATER SERVICE
INV	INVERT GRADE	W SER	WATER SERVICE
LF	LINEAR FEET	WTR, W	WATER
LG	LIP OF GUTTER	< PT	ANGLE POINT
LOL	LAY OUT LINE		
LT	LEFT		

LEGEND

DESCRIPTION OF LINETYPE	PROPOSED	EXISTING
PROPERTY LINE	N/A	-----
STORM DRAIN PIPE		
DESCRIPTION OF SYMBOL	PROPOSED	EXISTING
STORM DRAIN MANHOLE		
STORM DRAIN CURB INLET/CATCH BASIN	N/A	
ADDRESS NUMBER	N/A	
FLOW DIRECTION		

CONSTRUCTION NOTE DESIGNATIONS

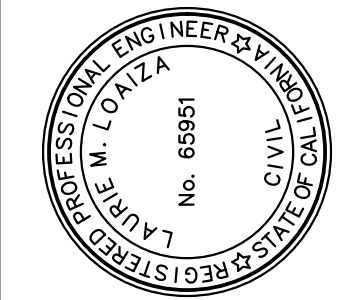
(D1) = DRAINAGE AND RELATED ITEMS CONSTRUCTION NOTES.

GENERAL NOTES

- EXCAVATIONS OVER FIVE FEET (5') DEEP REQUIRE AN EXCAVATION PERMIT FROM THE STATE DEPARTMENT OF INDUSTRIAL SAFETY.
- CONTRACTOR SHALL CALL "USA NORTH" AT 811 AT LEAST TWO (2) DAYS PRIOR TO ANY EXCAVATION ACTIVITIES FOR LOCATING UNDERGROUND UTILITIES.
- CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.
- UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
- NO TOPOGRAPHIC SURVEY WAS CONDUCTED FOR THESE PLANS. ALL STORM DRAINAGE PIPES AND STRUCTURES HAVE BEEN LOCATED FROM AERIAL IMAGERY AND ARE APPROXIMATE. PROPERTY LINES ARE BASED ON GIS DATA AND ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ALL CULVERT LOCATIONS, LENGTHS, DIAMETERS, AND DEPTHS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO TOWN OR PRIVATE PROPERTY OR OTHER UTILITIES CAUSED BY HIS OPERATIONS. ALL IRRIGATION LINES AND COMPONENTS DISTURBED BY CONSTRUCTION SHALL BE REPAIRED AND RESTORED TO WORKING CONDITION. ANY DAMAGED LAWN OR LANDSCAPING OUTSIDE OF THE WORK LIMITS SHALL BE REPLACED.
- THE CONTRACTOR SHALL MAINTAIN REASONABLE ACCESS TO THE SITE AND MINIMIZE CLOSURE TIME OF DRIVEWAYS DURING CONSTRUCTION. MAIL SERVICE SHALL BE MAINTAINED THROUGHOUT THE COURSE OF THIS PROJECT. THE U.S. POSTAL SERVICE SHALL HAVE UNINTERRUPTED ACCESS TO MAILBOXES AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OFF-SITE DISPOSAL OF ALL PAVEMENT, CONCRETE AND REINFORCEMENT, AND SPOILS NOT NEEDED FOR BACKFILL AS REQUIRED BY THE ENGINEER AND PER THE SPECIFICATIONS.
- PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL PROVIDE THE TOWN OF LOOMIS PUBLIC WORKS DEPARTMENT A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- REINFORCED CONCRETE PIPE SHALL BE CLASS IV.
- HDPE PIPE SHALL BE SMOOTH INTERIOR HDPE WITH ANNULAR EXTERIOR CORRUGATIONS MANUFACTURED BY ADS, HANCOR, OR APPROVED EQUAL. HDPE PIPE SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS AND THESE CONSTRUCTION DOCUMENTS. PIPE SHALL MEET THE REQUIREMENTS AASHTO M294, TYPE S OR ASTM F2306.

SPMUD NOTES

- THE CONTRACTOR SHALL PROVIDE SOUTH PLACER MUNICIPAL UTILITY DISTRICT (DISTRICT) WITH 24-HOUR EMERGENCY CONTACT INFORMATION (NAME, TITLE, TELEPHONE NUMBER) PRIOR TO THE START OF WORK AND TO ARRANGE FOR A PRE-CONSTRUCTION MEETING AT 916-786-8555.
- ANY WORK PERTAINING TO THE SANITARY SEWER SYSTEM SHALL BE COMPLETED IN ACCORDANCE WITH THE DISTRICT'S STANDARD SPECIFICATIONS AND IMPROVEMENT STANDARDS FOR SANITARY SEWERS, LATEST EDITION.
- DEBRIS THAT ENTER THE SEWER SYSTEM AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE IMMEDIATELY REMOVED AT THE DISTRICT'S DISCRETION AT THE EXPENSE OF THE CONTRACTOR. CONTRACTOR MAY BE REQUIRED TO CLEAN PORTIONS OF THE SEWER SYSTEM AS INDICATED BY THE DISTRICT ONCE ALL WORK HAS BEEN COMPLETED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FLOWS AND SHALL BE LIABLE FOR ALL EXISTING SEWER FACILITIES WITHIN THE SCOPE OF THE PROJECT UNTIL ALL IMPROVEMENTS ARE COMPLETED.
- CONTRACTOR SHALL ACCURATELY REFERENCE, MARK, AND DOCUMENT ALL DISTRICT SEWER STRUCTURES IN A WAY ACCEPTABLE TO THE DISTRICT, PRIOR TO REMOVING CASTINGS, COVERS, ETC. IF APPLICABLE. REFERENCE MARKINGS SHALL BE MAINTAINED THROUGHOUT THE PROJECT.
- ACCESS TO SEWER STRUCTURES AND FACILITIES SHALL BE MAINTAINED AT ALL TIMES DURING AND AFTER CONSTRUCTION.
- NO STRUCTURES SHALL BE PLACED OVER SEWER LINES.
- CONTROLLED LOW STRENGTH SLURRY MAY BE REQUIRED AS BACKFILL IN SITUATIONS WHERE THE DISTRICT'S BEDDING IS DISTURBED OR WHERE MINIMUM SEPARATION/CLEARANCE CANNOT BE ACHIEVED.



PREPARED UNDER THE DIRECTION OF
Laurie M. Loaiza
 LAURIE M. LOAIZA, RCE 65951 DATE 08/29/23
 DESIGNED BY EC DRAWN BY KAS REVIEWED BY LML

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TOWN OF LOOMIS
 STREET CULVERT CROSSING RECONSTRUCTION
 CALIFORNIA
GENERAL NOTES, ABBREVIATIONS & LEGEND

PROJECT NUMBER
65-4923

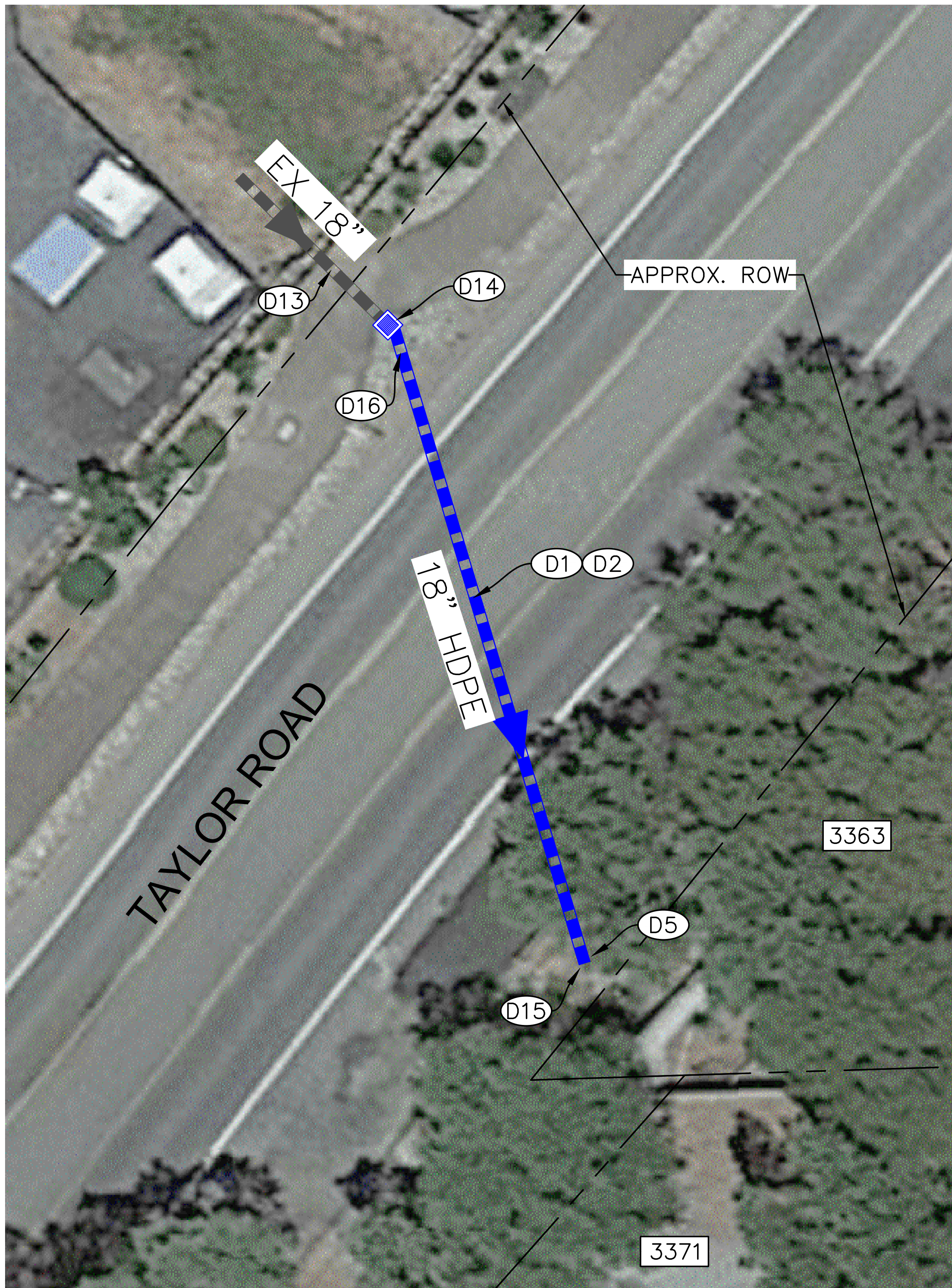
DRAWING DATE
AUGUST 2023

SHEET NUMBER
5 OF **30**

BID SET
 DATE: FEBRUARY 2024

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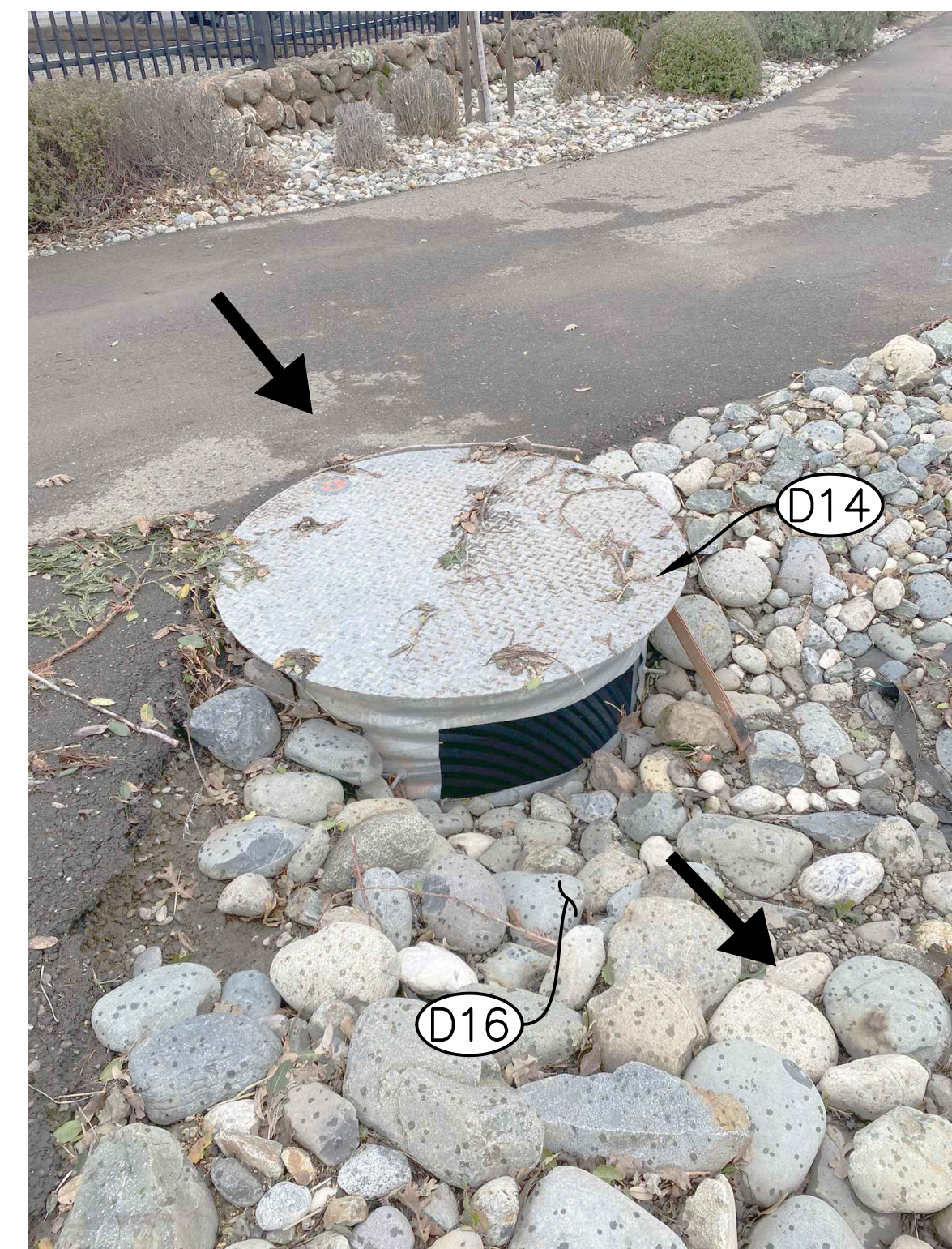
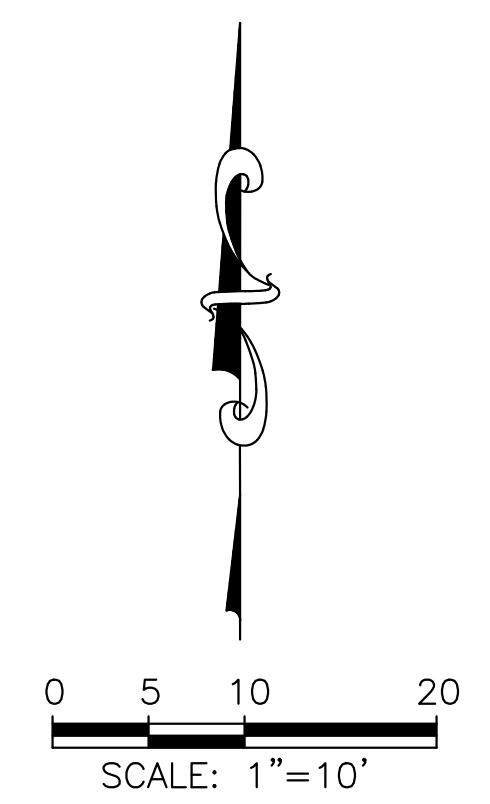
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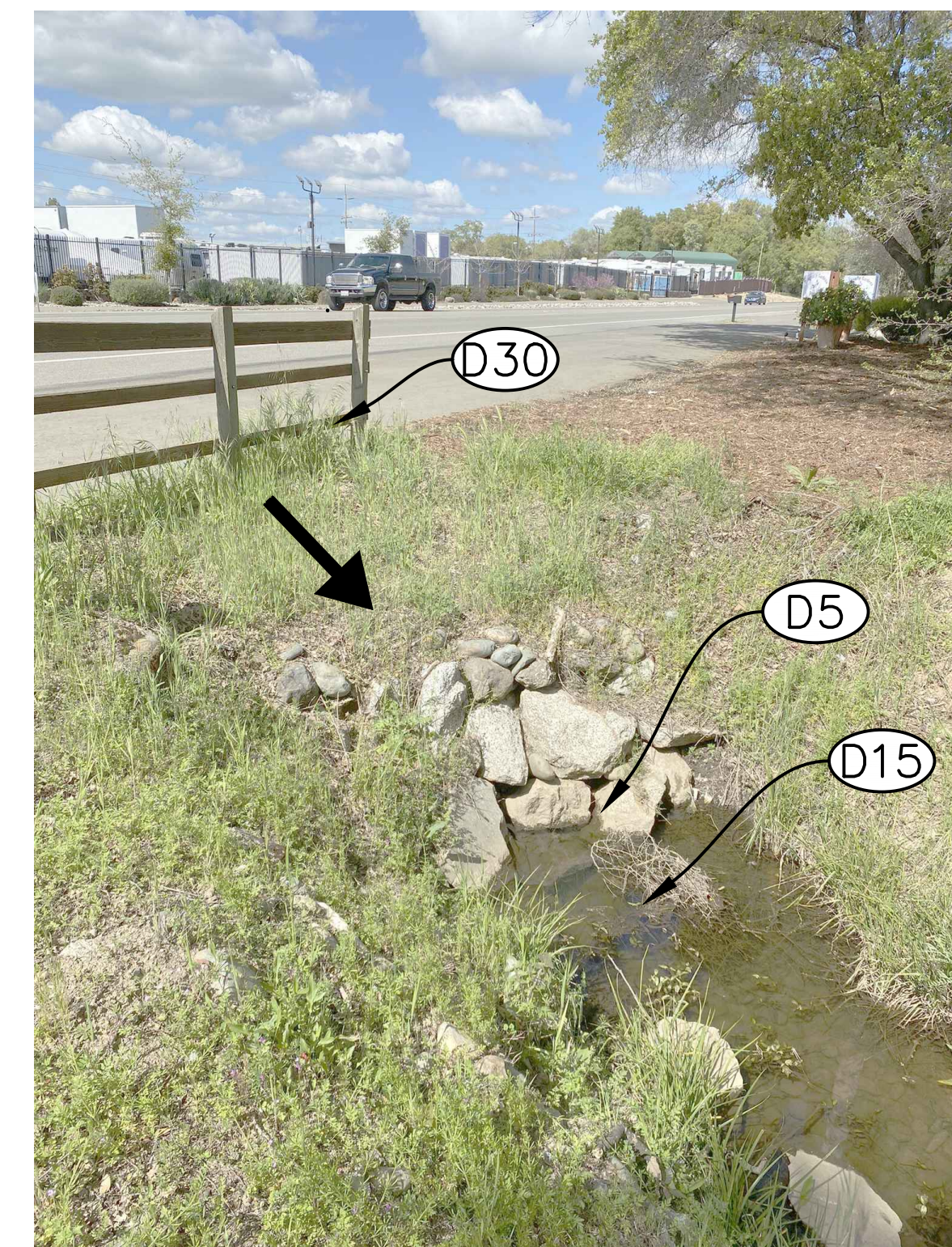
**LOCATION #3 - TAYLOR ROAD
(ACROSS FROM LOOMIS RV & BOAT STORAGE)**

CONSTRUCTION NOTES

- (D1) REMOVE EXISTING 18" CMP AND INSTALL APPROXIMATELY 90 LF OF 18" HDPE STORM DRAIN PIPE. SLOPE TO DRAIN AT MINIMUM 0.5% OR MATCH EXISTING SLOPE, WHICHEVER IS GREATER. INFORM ENGINEER IF MINIMUM SLOPE OF 0.5% IS NOT ACHIEVABLE.
- (D2) TRENCH PAVING PER DETAIL 3. REPLACE STRIPING IN KIND.
- (D5) INSTALL OUTLET PROTECTION PER DETAIL 2.
- (D13) PROTECT EXISTING PIPE IN PLACE.
- (D14) REMOVE EXISTING CMP STRUCTURE AND REPLACE WITH 36" BUBBLE UP CATCH BASIN PER DETAIL 1. RECONNECT NEW HDPE PIPE AND EXISTING 18" PIPE (NORTH) TO NEW STRUCTURE.
- (D15) RAISE END OF PIPE UP 12"-18". CONTRACTOR SHALL VERIFY THAT RAISING THE DOWNSTREAM END OF THE PIPE STILL ALLOWS FOR POSITIVE DRAINAGE. IF A MINIMUM SLOPE OF 0.5% CAN NOT BE PROVIDED, CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
- (D16) REMOVE EXISTING ROCK SLOPE PROTECTION 5-FEET IN EACH DIRECTION AND PLACE CLASS 8 GEOTEXTILE FABRIC AND CLASS I (6") ROCK SLOPE PROTECTION IN ACCORDANCE WITH SECTION 72 OF THE CALTRANS STANDARD SPECIFICATIONS TO THE EXTENTS OF EXISTING ROCK REMOVAL.
- (D30) REMOVE AND REPLACE EXISTING FENCE IN KIND.



STRUCTURE LOCATED NORTH OF TAYLOR ROAD



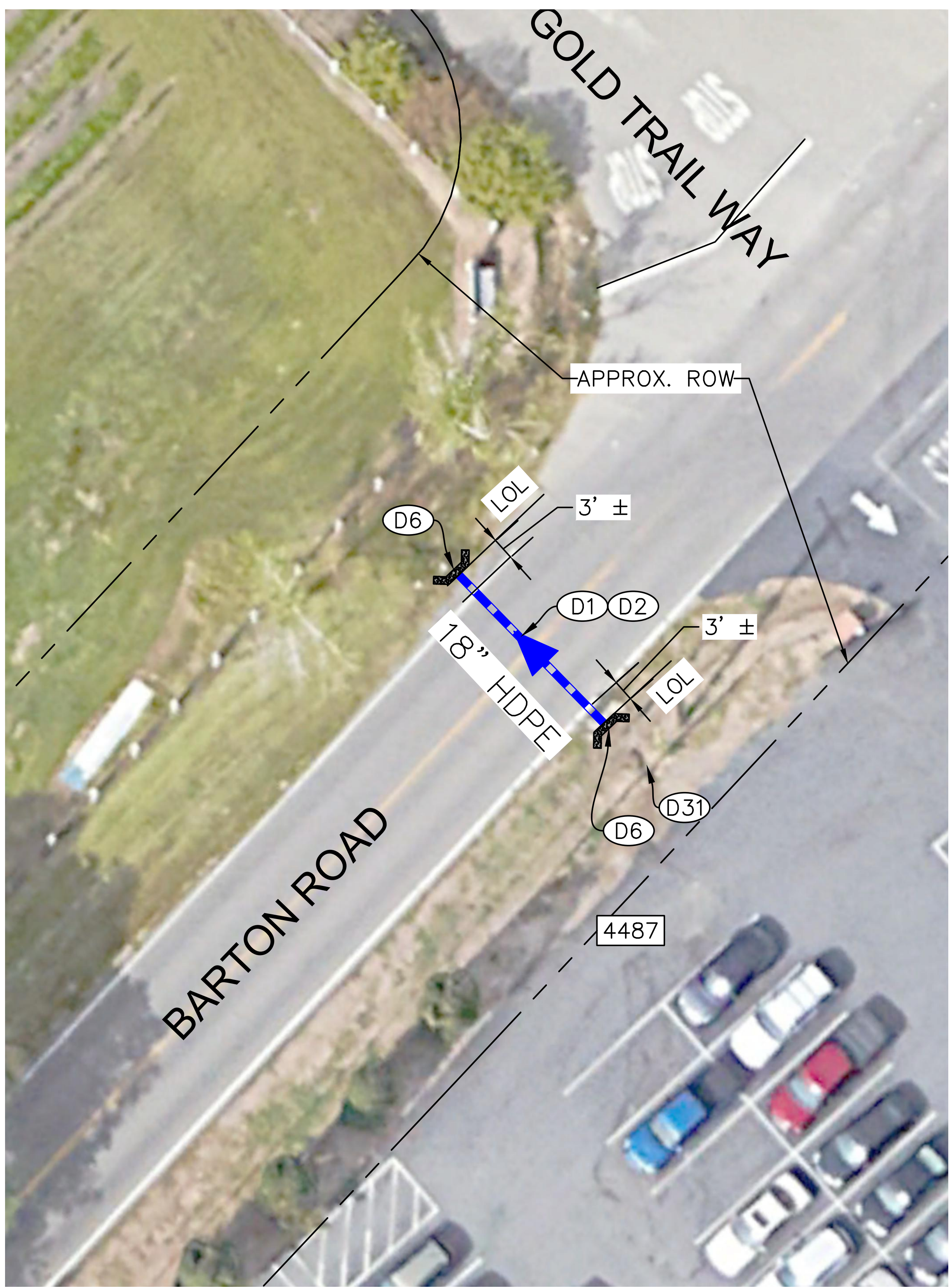
OUTFALL LOCATED SOUTH OF TAYLOR ROAD

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DATE: FEBRUARY 2024

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TOWN OF LOOMIS STREET CULVERT CROSSING RECONSTRUCTION CALIFORNIA LOCATION #3 - TAYLOR ROAD
PROJECT NUMBER 65-4923 DRAWING DATE AUGUST 2023 SHEET NUMBER 6 OF 30

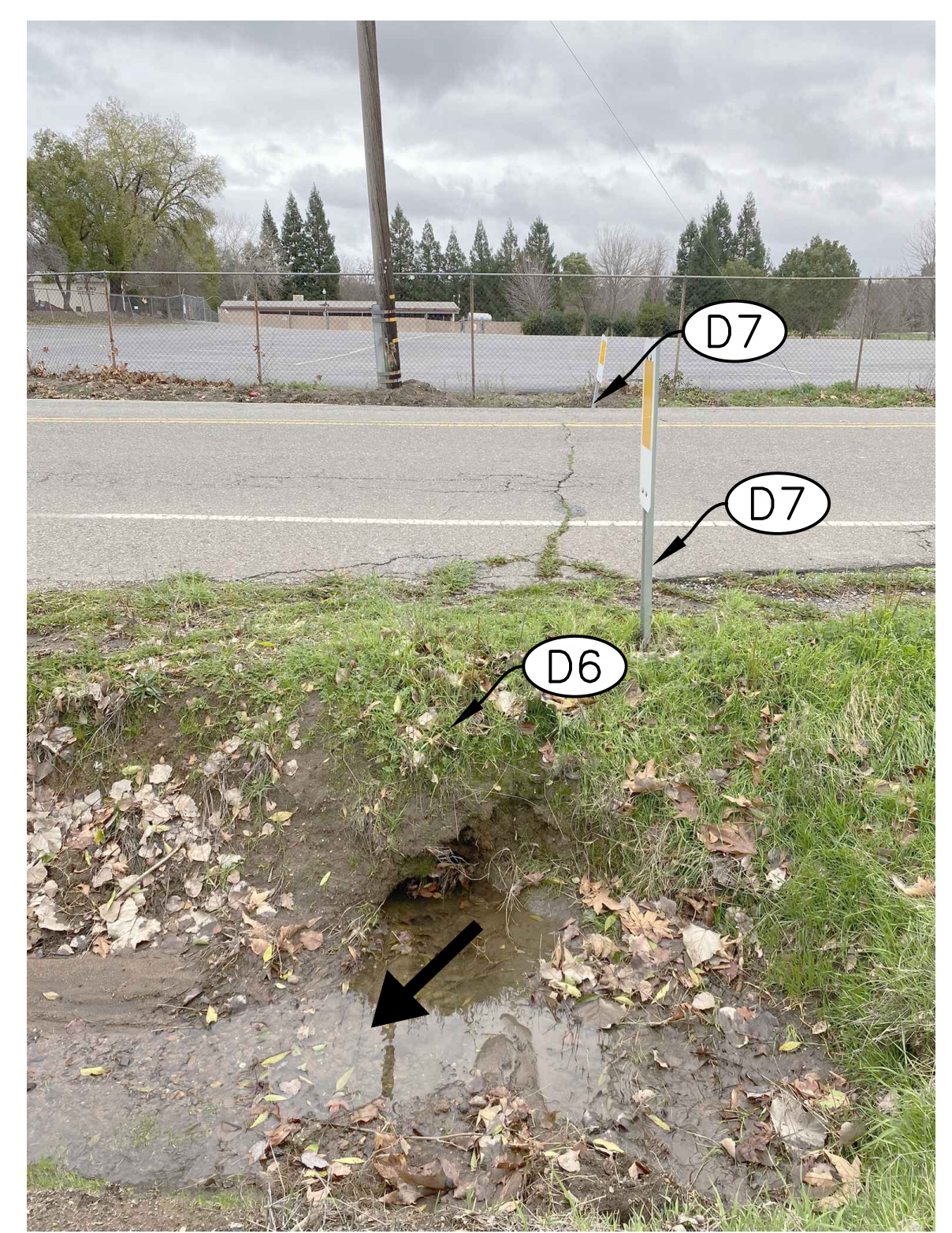
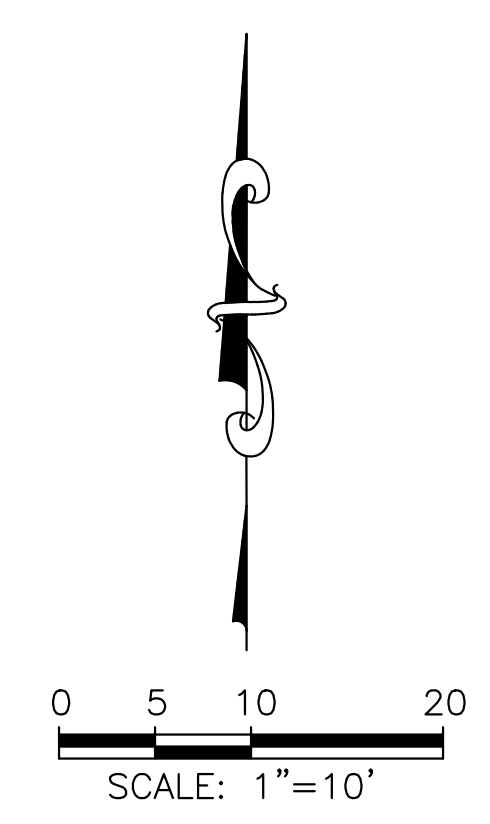
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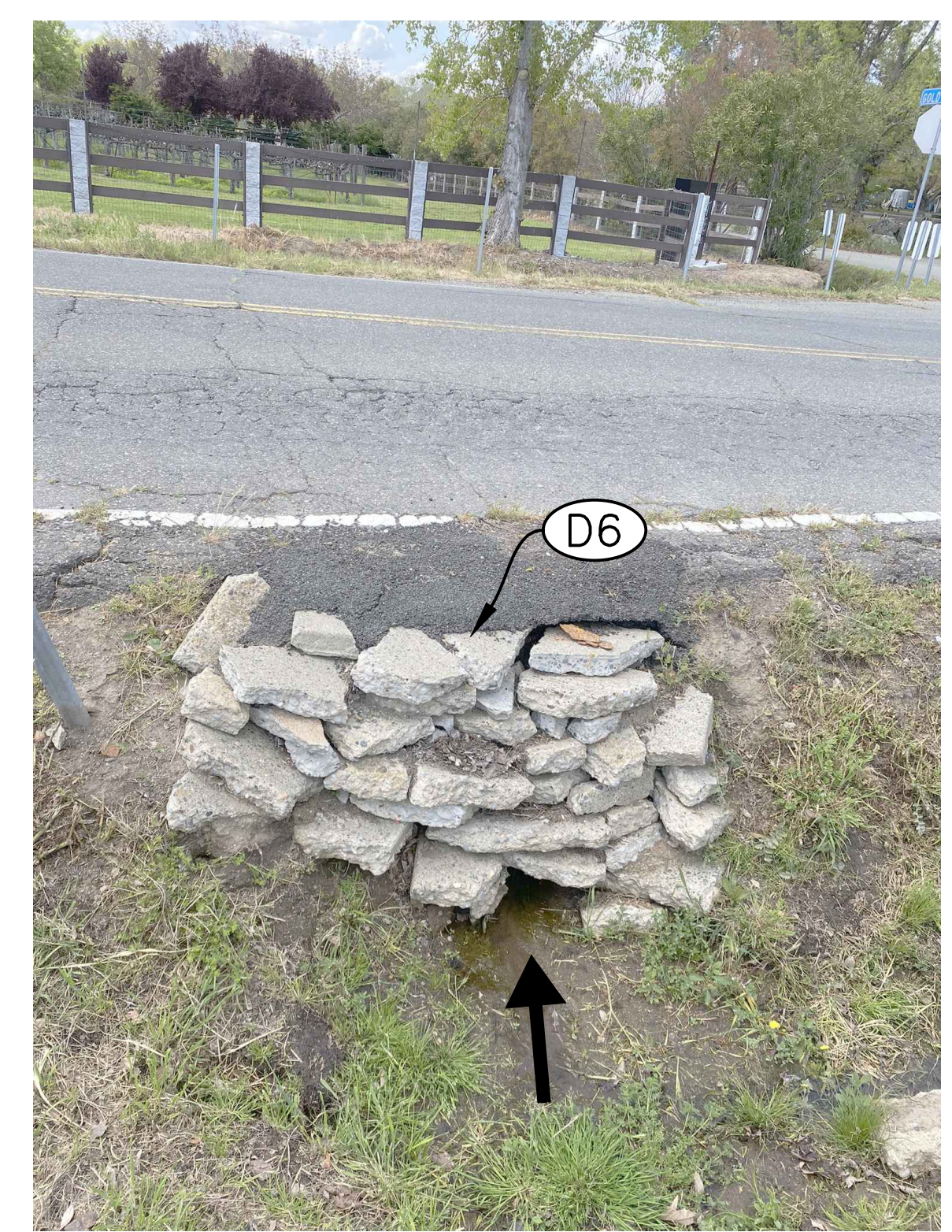


**LOCATION #4 - BARTON ROAD AT GOLD TRAIL WAY
(ACROSS FROM INDIAN CREEK COUNTY CLUB)**

- CONSTRUCTION NOTES**
- (D1) REMOVE EXISTING 12" CMP AND INSTALL APPROXIMATELY 35 LF OF 18" HDPE STORM DRAIN PIPE. SLOPE TO DRAIN AT MINIMUM 0.5% OR MATCH EXISTING SLOPE, WHICHEVER IS GREATER. INFORM ENGINEER IF MINIMUM SLOPE OF 0.5% IS NOT ACHIEVABLE.
 - (D2) TRENCH PAVING PER DETAIL 3. REPLACE STRIPING IN KIND.
 - (D6) INSTALL CAST IN PLACE CONCRETE HEADWALL PER DETAIL 5.
 - (D7) REMOVE EXISTING MARKER (IF APPLICABLE) AND INSTALL CALTRANS TYPE L-1 OBJECT MARKER PER CALTRANS STANDARD PLAN A73A WITH METAL POST PER STANDARD PLAN A73B. NEW MARKER SHALL BE PLACED IN FRONT OF THE OBSTRUCTION; LOCATION SHALL BE APPROVED BY THE ENGINEER.
 - (D31) CAUTION - OVERHEAD UTILITY LINES.



**CULVERT OUTFALL LOCATED
WEST OF BARTON ROAD
(LOOKING SOUTH EAST)**



**CULVERT INLET LOCATED
EAST OF BARTON ROAD
(LOOKING NORTH WEST)**

BID SET
DATE: FEBRUARY 2024

PREPARED UNDER THE DIRECTION OF <i>Laurie M. Loaiza</i> LAURIE M. LOAIZA, RCE 65951 DATE 08/29/23 DESIGNED BY EC DRAWN BY KAS REVIEWED BY LML
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TOWN OF LOOMIS STREET CULVERT CROSSING RECONSTRUCTION CALIFORNIA LOCATION #4- BARTON ROAD AT GOLD TRAIL WAY
PROJECT NUMBER 65-4923
DRAWING DATE AUGUST 2023
SHEET NUMBER 7 OF 30

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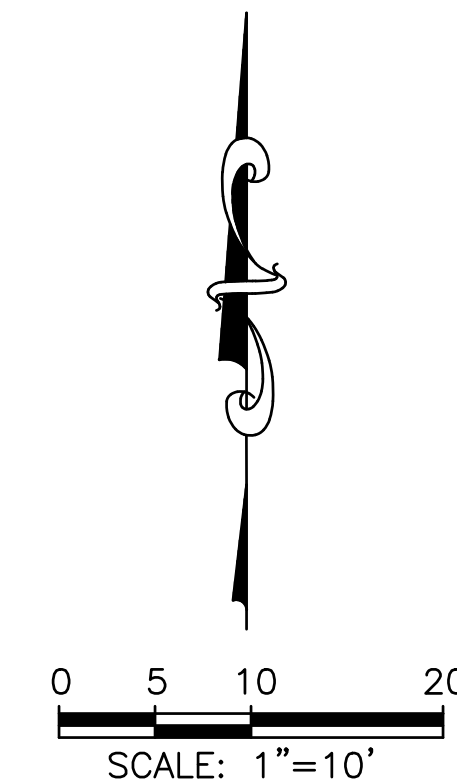
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**LOCATION #5 - HORSESHOE BAR RD
(ACROSS FROM 6336/6332 HORSESHOE BAR RD)**

CONSTRUCTION NOTES

- (D1) REMOVE EXISTING 24" CMP AND INSTALL APPROXIMATELY 50 LF OF 24" RCP STORM DRAIN PIPE. SLOPE TO DRAIN AT MINIMUM 0.5% OR MATCH EXISTING SLOPE, WHICHEVER IS GREATER. INFORM ENGINEER IF MINIMUM SLOPE OF 0.5% IS NOT ACHIEVABLE.
- (D3) CONCRETE CAP AND TRENCH PAVING PER DETAIL 4. REPLACE STRIPING IN KIND.
- (D4) INSTALL INLET PROTECTION WITH FES PER DETAIL 2.
- (D5) INSTALL OUTLET PROTECTION PER DETAIL 2.
- (D7) REMOVE EXISTING MARKER (IF APPLICABLE) AND INSTALL CALTRANS TYPE L-1 OBJECT MARKER PER CALTRANS STANDARD PLAN A73A WITH METAL POST PER STANDARD PLAN A73B. NEW MARKER SHALL BE PLACED IN FRONT OF THE OBSTRUCTION; LOCATION SHALL BE APPROVED BY THE ENGINEER.
- (D13) PROTECT EXISTING PIPE IN PLACE.



**CULVERT INLET LOCATED EAST
OF HORSESHOE BAR ROAD
(LOOKING WEST)**



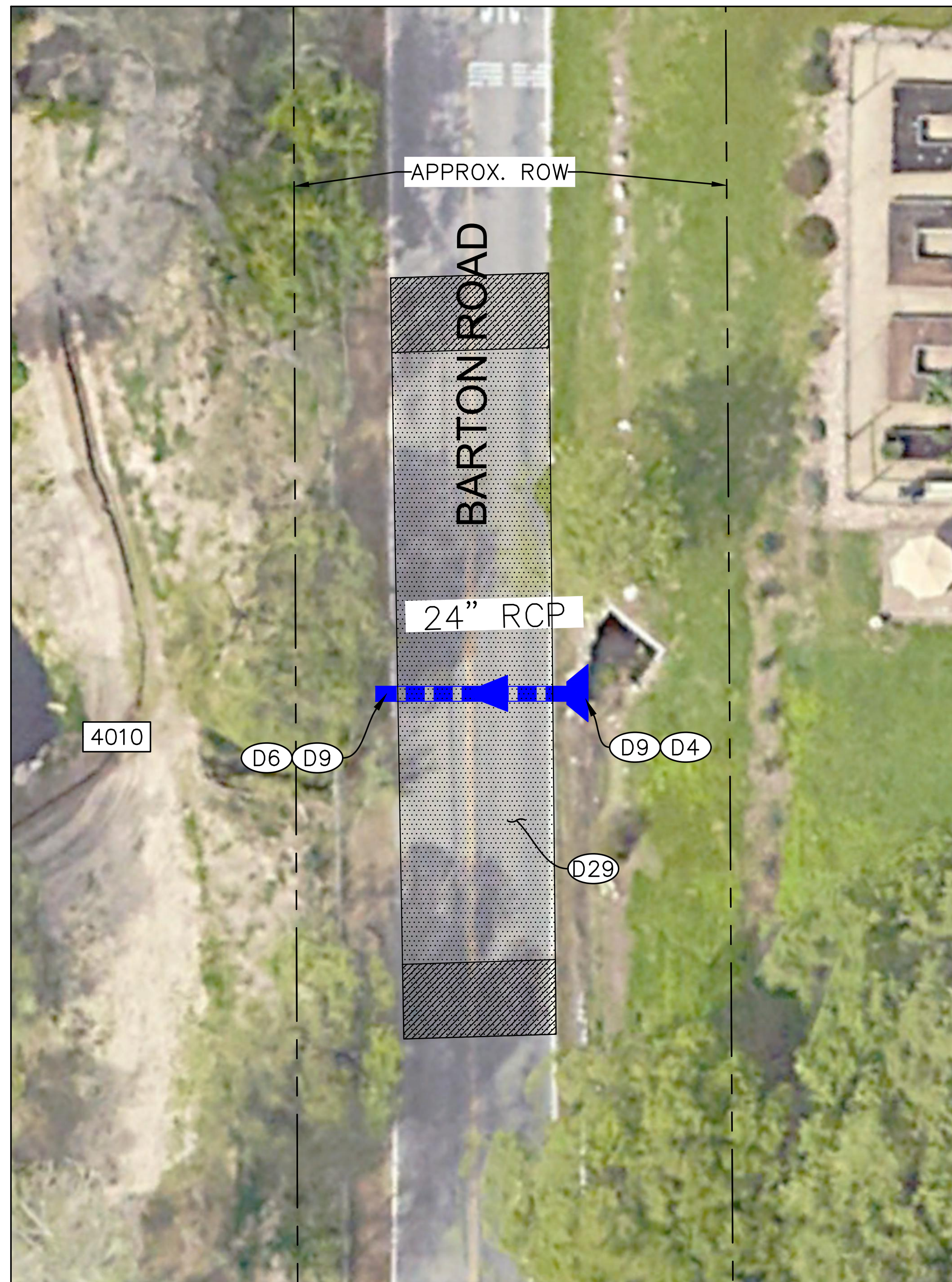
**CULVERT OUTFALL
LOCATED WEST OF
HORSESHOE BAR ROAD
(LOOKING EAST)**

BID SET
DATE: FEBRUARY 2024

	PREPARED UNDER THE DIRECTION OF <i>Laurie M. Loaza</i> LAURIE M. LOAZA, RCE 65951 / DATE 08/29/23 DESIGNED BY EC / DRAWN BY KAS / REVIEWED BY LML
COASTLAND BECM 11641 Blocker Dr, Ste 170 Auburn, CA 95603 530.888.9929 coastlandcivil.com	TOWN OF LOOMIS STREET CULVERT CROSSING RECONSTRUCTION CALIFORNIA LOCATION #5 HORSESHOE BAR RD
PROJECT NUMBER 65-4923	DRAWING DATE AUGUST 2023
SHEET NUMBER 8 OF 30	

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

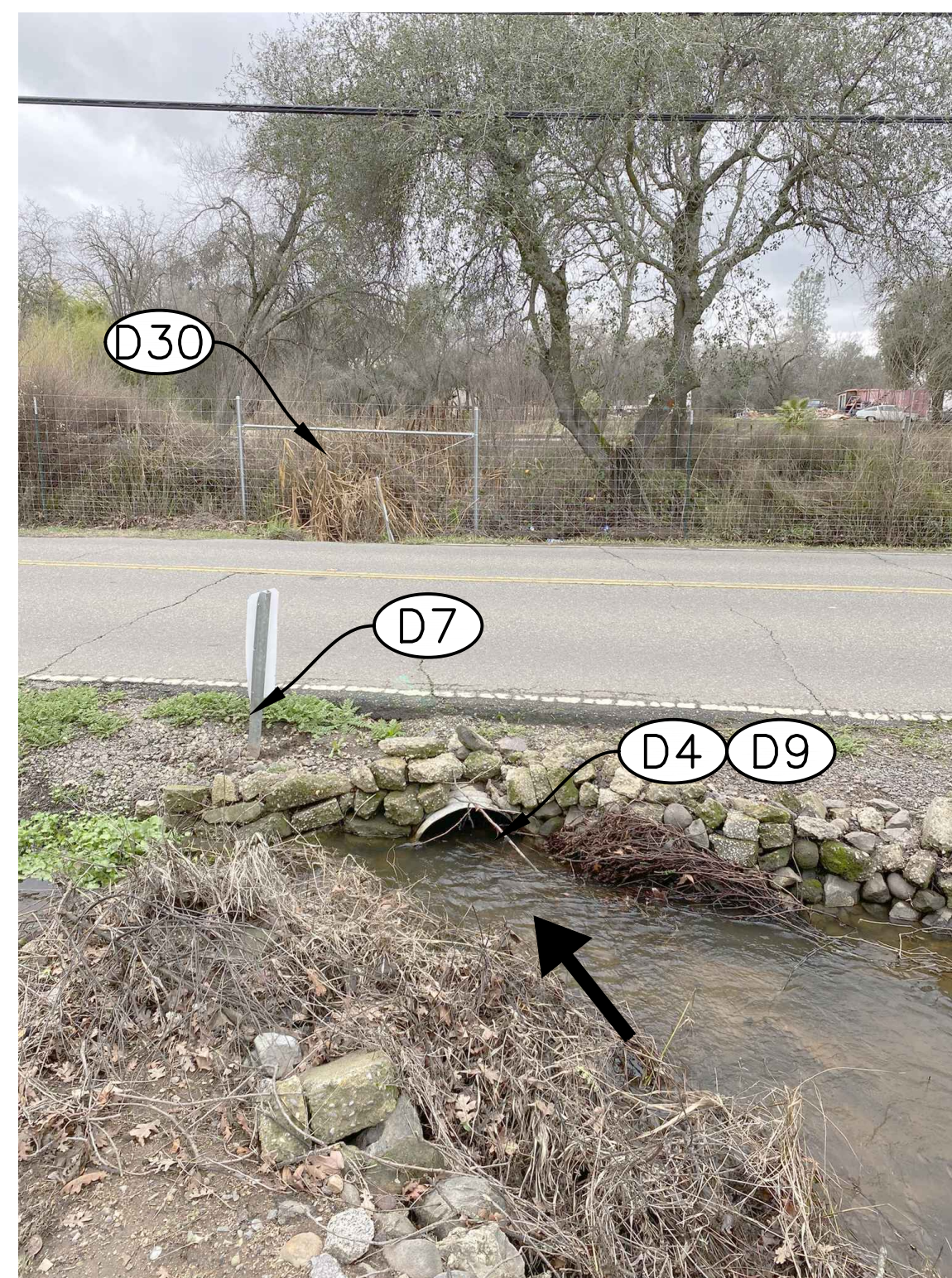
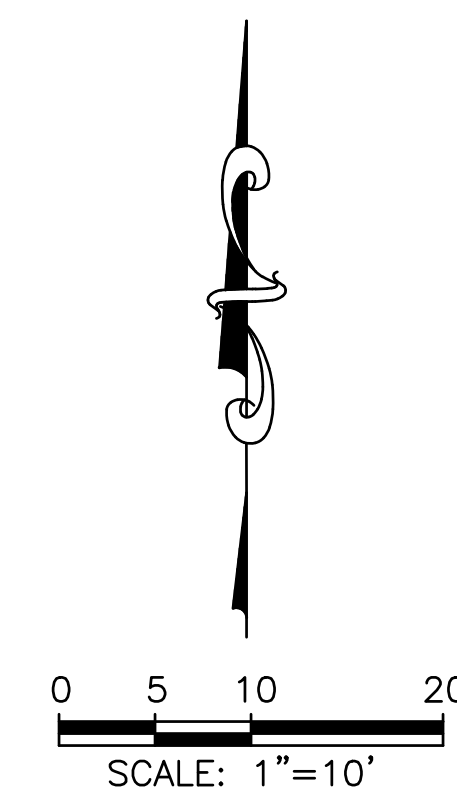
Path: F:\Civil_3D\Projects\654923-Reconstruction\DWG\654923-SP.dwg Layout Name: Loo#8 Plot Date: Aug 29, 2023 at 12:54 pm



LOCATION #8 - 4010 BARTON RD

CONSTRUCTION NOTES

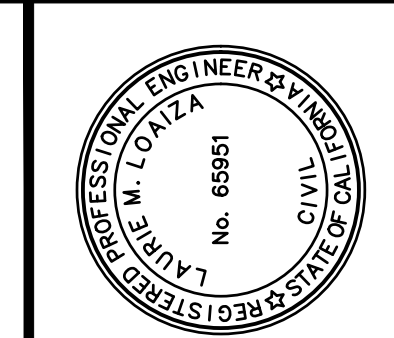
- (D1) REMOVE EXISTING 24" CMP AND INSTALL APPROXIMATELY 30 LF OF 24" RCP STORM DRAIN PIPE. SLOPE TO DRAIN AT MINIMUM 0.5% OR MATCH EXISTING SLOPE, WHICHEVER IS GREATER. INFORM ENGINEER IF MINIMUM SLOPE OF 0.5% IS NOT ACHIEVABLE.
- (D3) CONCRETE CAP AND TRENCH PAVING PER DETAIL 4. REPLACE STRIPING IN KIND.
- (D4) INSTALL INLET PROTECTION WITH FES PER DETAIL 2.
- (D6) INSTALL CAST IN PLACE CONCRETE HEADWALL PER DETAIL 5.
- (D7) REMOVE EXISTING MARKER (IF APPLICABLE) AND INSTALL CALTRANS TYPE L-1 OBJECT MARKER PER CALTRANS STANDARD PLAN A73A WITH METAL POST PER STANDARD PLAN A73B. NEW MARKER SHALL BE PLACED IN FRONT OF THE OBSTRUCTION; LOCATION SHALL BE APPROVED BY THE ENGINEER.
- (D9) EXTEND PIPE TO A MINIMUM OF 3-FEET OUTSIDE OF THE EDGE OF TRAVELED WAY.
- (D29) BUILD UP ROAD SECTION PER DETAIL 11 TO PROVIDE A MINIMUM OF 10" OF COVER OVER BELL END OF RCP. PROVIDE 10-FT WEDGE GRIND TO CONFORM ON EITHER SIDE OF PAVING AREA. LIMITS SHOWN ARE APPROXIMATE, CONTRACTOR SHALL VERIFY LIMITS WITH THE TOWN PRIOR TO BEGINNING WORK AT THIS SITE. REPLACE STRIPING.
- (D30) REMOVE AND REPLACE EXISTING FENCE IN KIND.



CULVERT INLET LOCATED EAST OF BARTON ROAD (LOOKING WEST)



WEST OUTFALL LOCATED EAST OF BARTON ROAD (LOOKING EAST)



PREPARED UNDER THE DIRECTION OF
 LAURIE M. LOAZA, RCE 65951 DATE 08/29/23
 DESIGNED BY EC DRAWN BY KAS REVIEWED BY LVL

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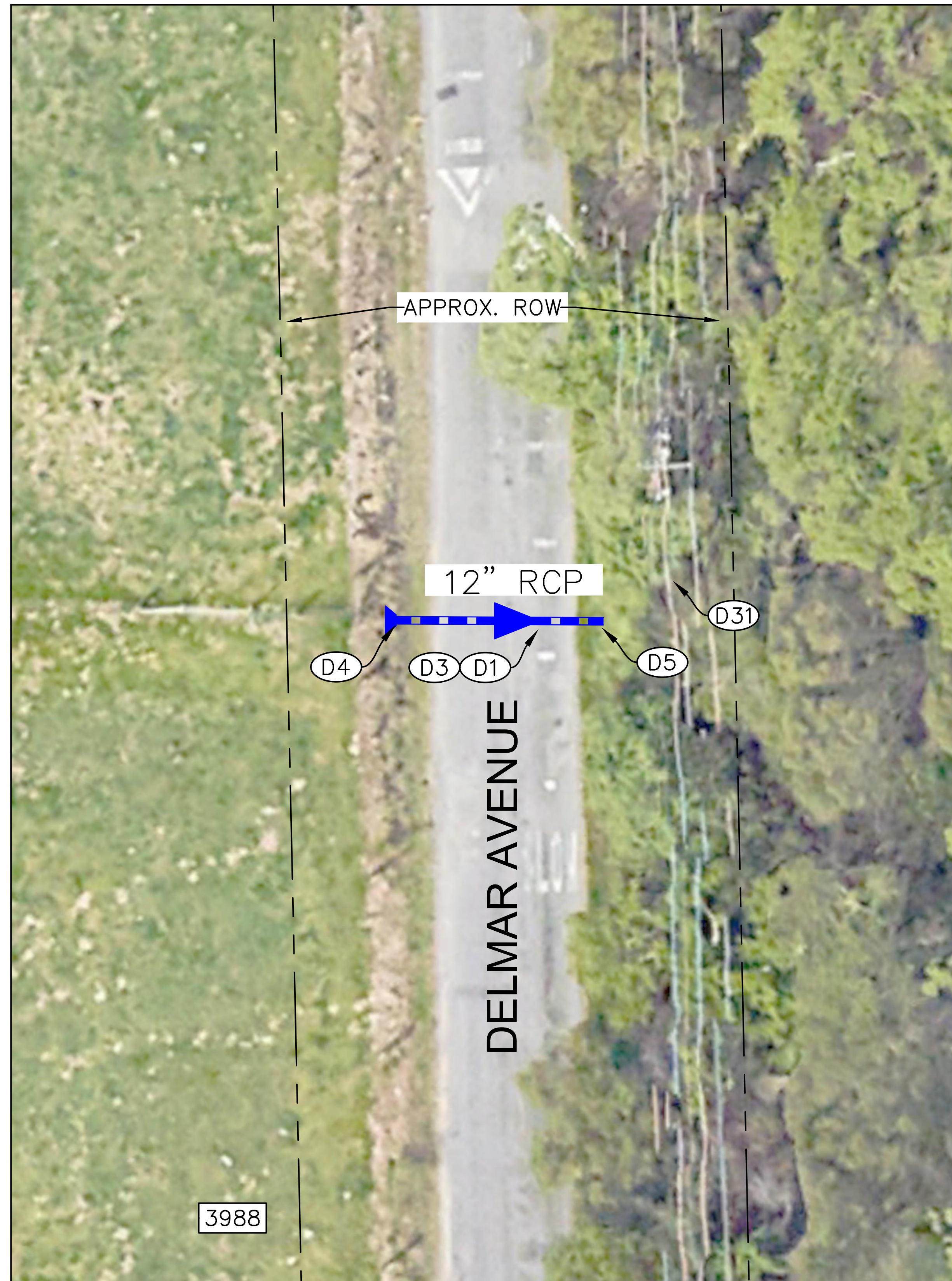
TOWN OF LOOMIS
 STREET CULVERT CROSSING RECONSTRUCTION
 CALIFORNIA
 4010 BARTON RD

PROJECT NUMBER 65-4923
 DRAWING DATE AUGUST 2023
 SHEET NUMBER 9 OF 30

BID SET
 DATE: FEBRUARY 2024

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

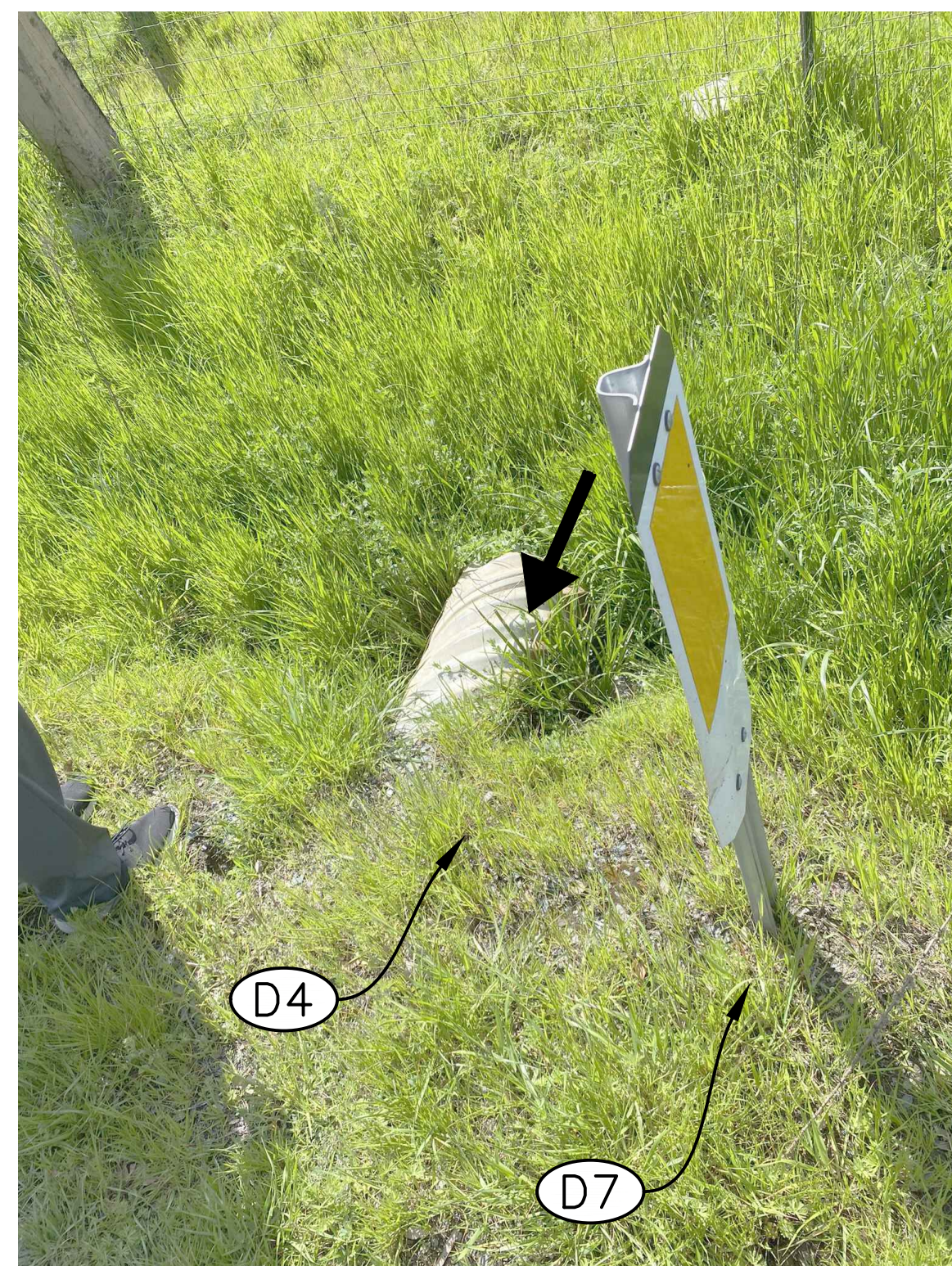
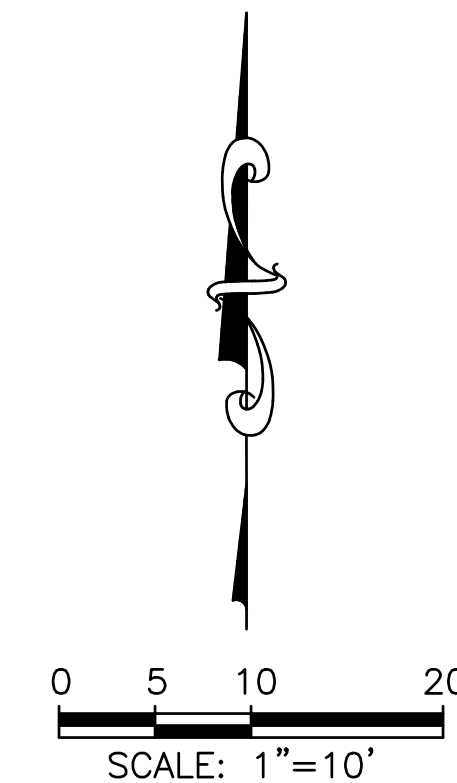
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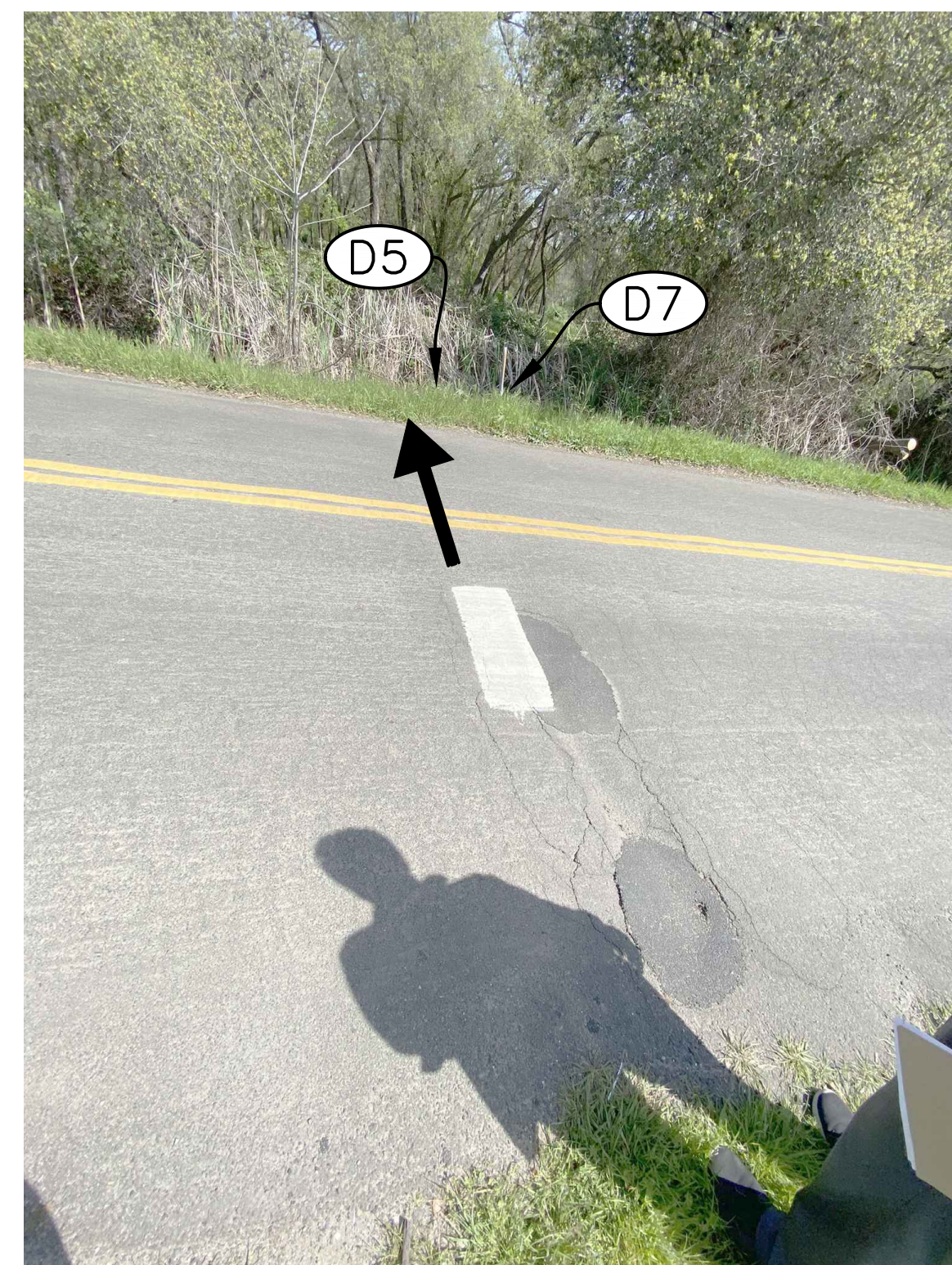
**LOCATION #10 - NORTH OF 3988 DELMAR AVENUE
(SOUTH OF PRIVATE ROAD)**

CONSTRUCTION NOTES

- (D1) REMOVE EXISTING 12" CMP AND INSTALL APPROXIMATELY 30 LF OF 12" RCP STORM DRAIN PIPE. SLOPE TO DRAIN AT MINIMUM 0.5% OR MATCH EXISTING SLOPE, WHICHEVER IS GREATER. INFORM ENGINEER IF MINIMUM SLOPE OF 0.5% IS NOT ACHIEVABLE.
- (D3) CONCRETE CAP AND TRENCH PAVING PER DETAIL 4. REPLACE STRIPING IN KIND.
- (D4) INSTALL INLET PROTECTION WITH FES PER DETAIL 2.
- (D5) INSTALL OUTLET PROTECTION PER DETAIL 2.
- (D7) REMOVE EXISTING MARKER (IF APPLICABLE) AND INSTALL CALTRANS TYPE L-1 OBJECT MARKER PER CALTRANS STANDARD PLAN A73A WITH METAL POST PER STANDARD PLAN A73B. NEW MARKER SHALL BE PLACED IN FRONT OF THE OBSTRUCTION; LOCATION SHALL BE APPROVED BY THE ENGINEER.
- (D31) CAUTION - OVERHEAD UTILITY LINES.

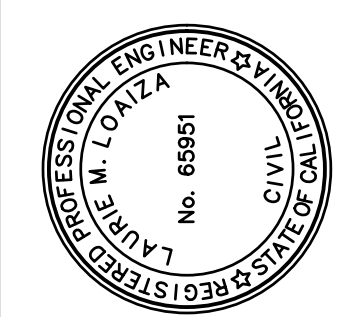


CULVERT INLET LOCATED WEST OF DELMAR AVENUE (LOOKING WEST)



CULVERT OUTFALL LOCATED EAST OF DELMAR AVENUE (LOOKING EAST)

BID SET
DATE: FEBRUARY 2024



PREPARED UNDER THE DIRECTION OF
Laurie M. Loaza
LAURIE M. LOAZA, RCE 65951 DATE 08/29/23
DESIGNED BY EC DRAWN BY KAS REVIEWED BY LML

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TOWN OF LOOMIS
STREET CULVERT CROSSING RECONSTRUCTION CALIFORNIA
**LOCATION #10 NORTH OF 3988
DELMAR AVENUE**

PROJECT NUMBER
65-4923
DRAWING DATE
AUGUST 2023
SHEET NUMBER
10 OF 30

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

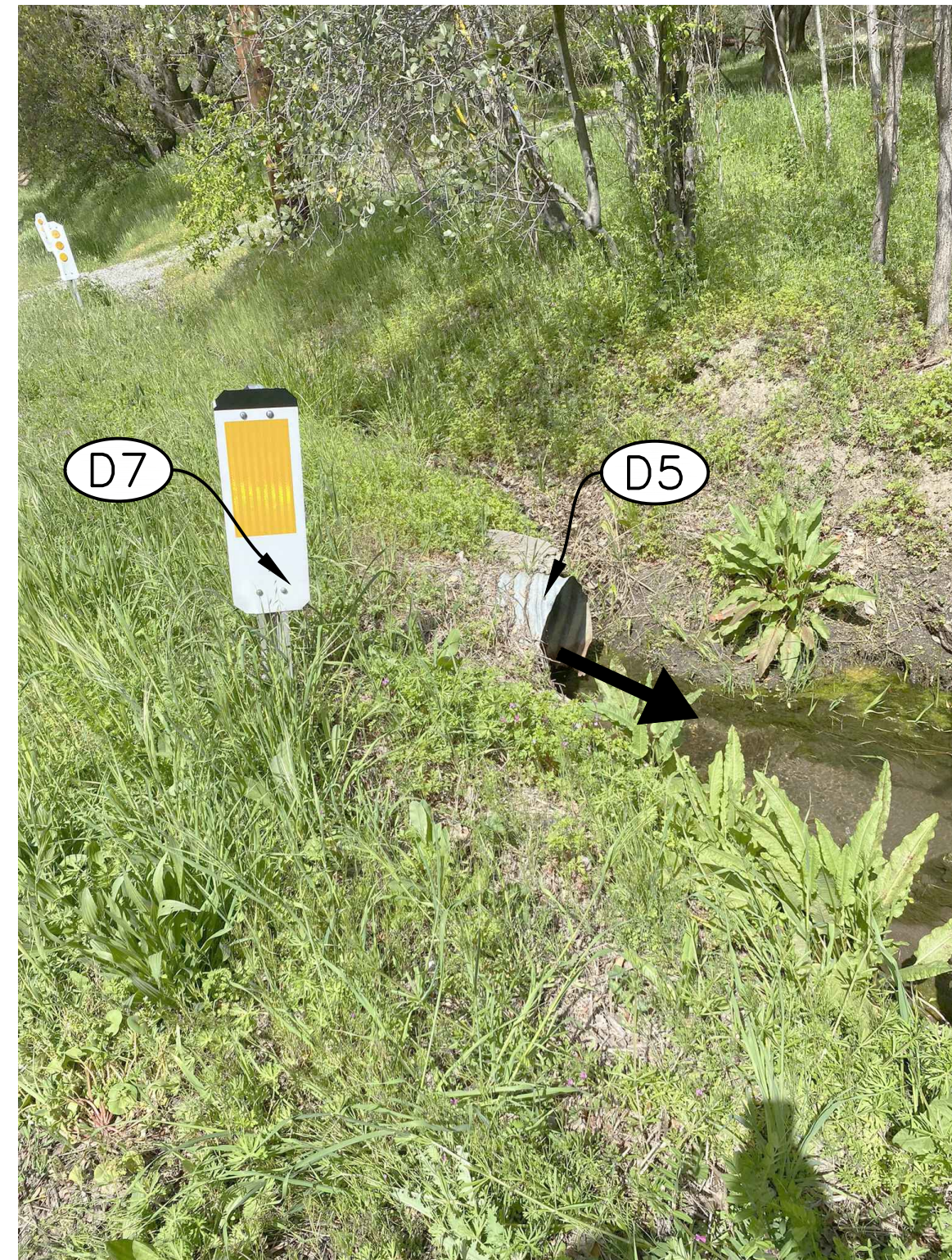
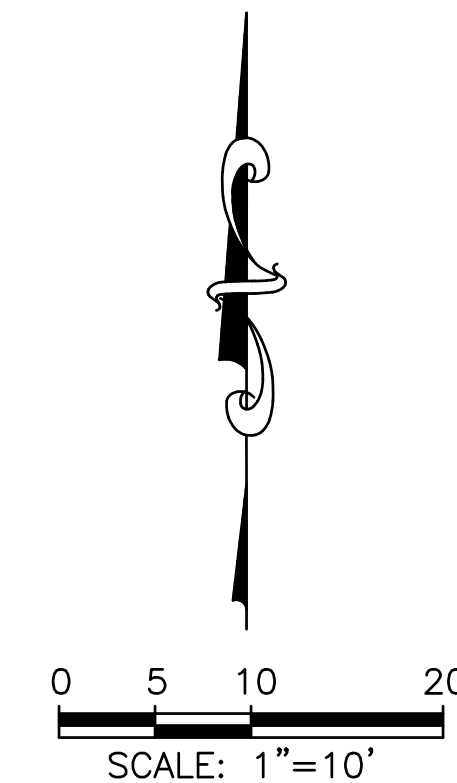
Path: F:\Civil_3D\Projects\654923-Reconstruction\DWG\654923-SP.dwg Layout Name: Loc#11 Plot Date: Aug 29, 2023 at 12:54 pm



**LOCATION #11 - NORTH OF 3880 DELMAR AVENUE
(NORTH OF PRIVATE ROAD)**

CONSTRUCTION NOTES

- (D1) REMOVE EXISTING 24" CMP AND INSTALL APPROXIMATELY 35 LF OF 24" RCP STORM DRAIN PIPE. SLOPE TO DRAIN AT MINIMUM 0.5% OR MATCH EXISTING SLOPE, WHICHEVER IS GREATER. INFORM ENGINEER IF MINIMUM SLOPE OF 0.5% IS NOT ACHIEVABLE.
- (D3) CONCRETE CAP AND TRENCH PAVING PER DETAIL 4. REPLACE STRIPING IN KIND.
- (D4) INSTALL INLET PROTECTION WITH FES PER DETAIL 2.
- (D5) INSTALL OUTLET PROTECTION PER DETAIL 2.
- (D7) REMOVE EXISTING MARKER (IF APPLICABLE) AND INSTALL CALTRANS TYPE L-1 OBJECT MARKER PER CALTRANS STANDARD PLAN A73A WITH METAL POST PER STANDARD PLAN A73B. NEW MARKER SHALL BE PLACED IN FRONT OF THE OBSTRUCTION; LOCATION SHALL BE APPROVED BY THE ENGINEER.
- (D31) CAUTION - OVERHEAD UTILITY LINES.
- (D32) REMOVE EXISTING STUMP AS NEEDED TO PERFORM THE WORK



**CULVERT OUTFALL LOCATED
EAST OF DELMAR AVENUE
(LOOKING EAST)**



**CULVERT INLET LOCATED
WEST OF DELMAR
AVENUE (LOOKING EAST)**

BID SET
DATE: FEBRUARY 2024

	PREPARED UNDER THE DIRECTION OF <i>Laurie M. Loaza</i> LAURIE M. LOAZA, RCE 65951 DATE: 08/29/23 DESIGNED BY: EC DRAWN BY: KAS REVIEWED BY: LVL
COASTLAND BECM 11641 Blocker Dr, Ste 170 Auburn, CA 95603 530.888.9929 coastlandcivil.com	TOWN OF LOOMIS STREET CULVERT CROSSING RECONSTRUCTION CALIFORNIA LOCATION #11 - NORTH OF 3880 DELMAR AVENUE
PROJECT NUMBER: 65-4923 DRAWING DATE: AUGUST 2023 SHEET NUMBER: 11 OF 30	

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

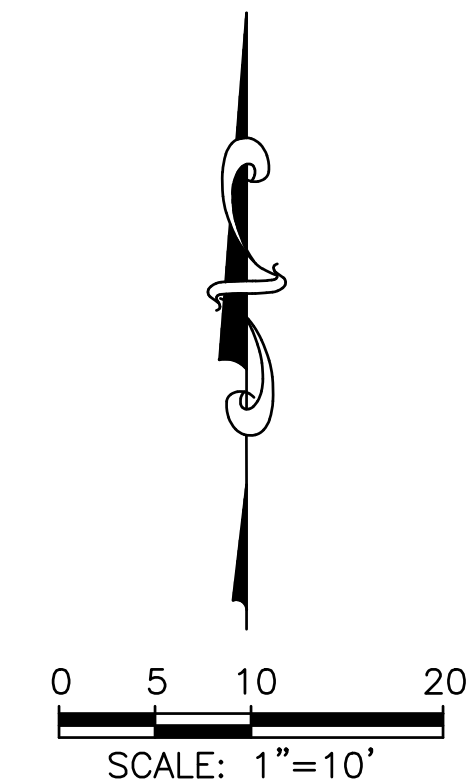
Path: F:\Civil_3D\Projects\654923-Reconstruction\DWG\654923-SP.dwg Layout Name: Loc#12_Plot Date: Aug 29, 2023 at 12:54 pm



**LOCATION #12 - NORTH OF 3772 DELMAR AVENUE
(DELMAR AVENUE AT HIGH RANCH NURSERY)**

CONSTRUCTION NOTES

- (D1) REMOVE EXISTING 16" CMP AND INSTALL APPROXIMATELY 35 LF OF 18" RCP STORM DRAIN PIPE. SLOPE TO DRAIN AT MINIMUM 0.5% OR MATCH EXISTING SLOPE, WHICHEVER IS GREATER. INFORM ENGINEER IF MINIMUM SLOPE OF 0.5% IS NOT ACHIEVABLE.
- (D3) CONCRETE CAP AND TRENCH PAVING PER DETAIL 4. REPLACE STRIPING IN KIND.
- (D4) INSTALL INLET PROTECTION WITH FES PER DETAIL 2.
- (D5) INSTALL OUTLET PROTECTION PER DETAIL 2.
- (D7) REMOVE EXISTING MARKER (IF APPLICABLE) AND INSTALL CALTRANS TYPE L-1 OBJECT MARKER PER CALTRANS STANDARD PLAN A73A WITH METAL POST PER STANDARD PLAN A73B. NEW MARKER SHALL BE PLACED IN FRONT OF THE OBSTRUCTION; LOCATION SHALL BE APPROVED BY THE ENGINEER.
- (D31) CAUTION - OVERHEAD UTILITY LINES.

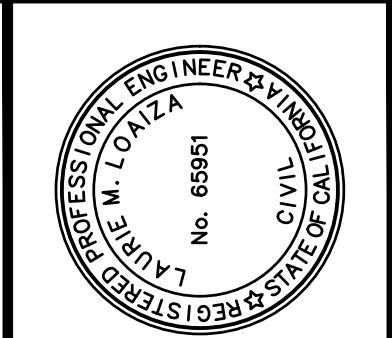


CULVERT INLET LOCATED WEST OF DELMAR AVENUE (LOOKING WEST)



CULVERT OUTFALL LOCATED EAST OF DELMAR AVENUE (LOOKING EAST)

BID SET
DATE: FEBRUARY 2024



PREPARED UNDER THE DIRECTION OF
Laurie M. Loaiza
LAURIE M. LOAIZA, RCE 65951 DATE 08/29/23
DESIGNED BY EC DRAWN BY KAS REVIEWED BY LML

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TOWN OF LOOMIS
STREET CULVERT CROSSING RECONSTRUCTION
CALIFORNIA
LOCATION #12 - NORTH OF 3772
DELMAR AVENUE

PROJECT NUMBER 65-4923
DRAWING DATE AUGUST 2023
SHEET NUMBER 12 OF 30

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

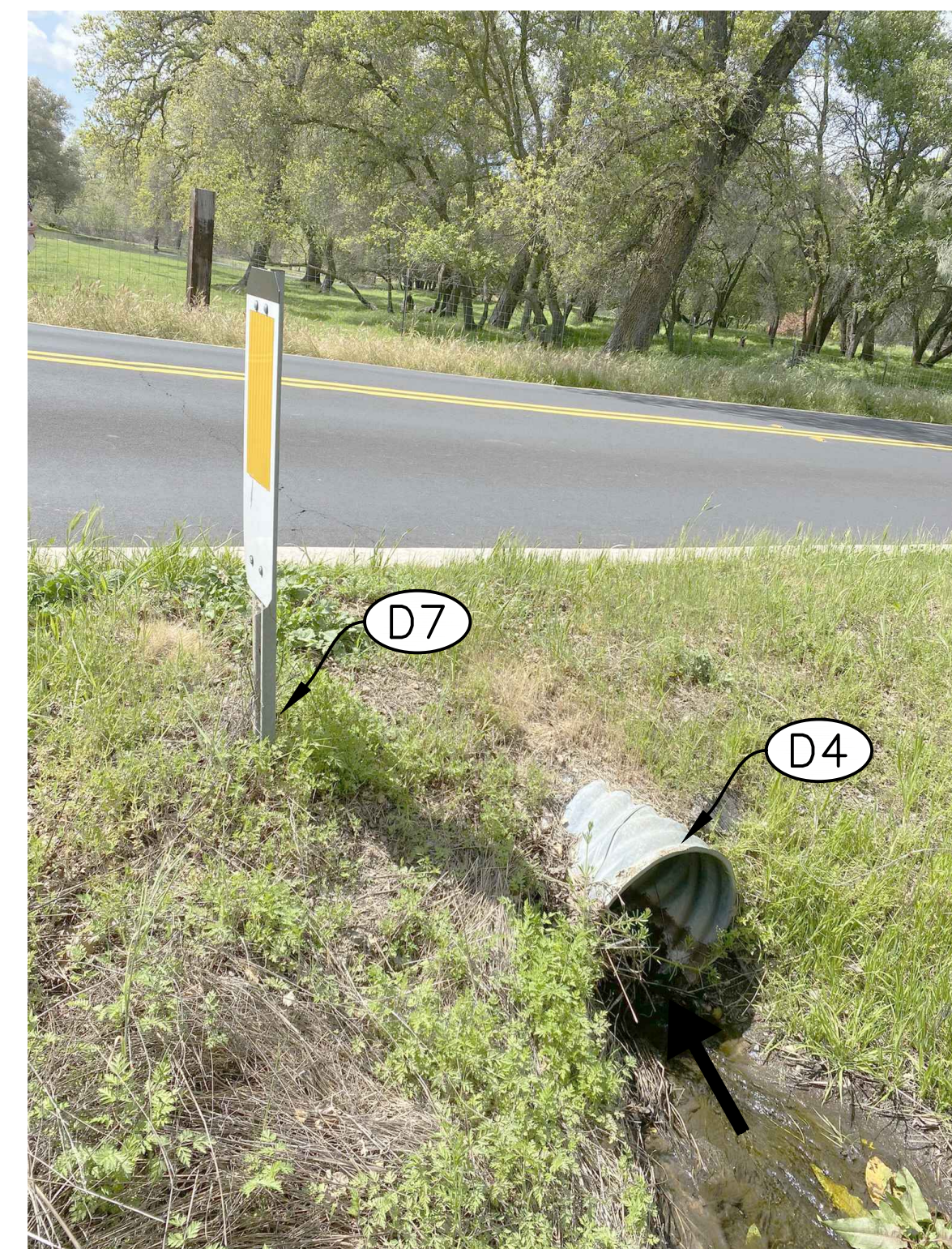
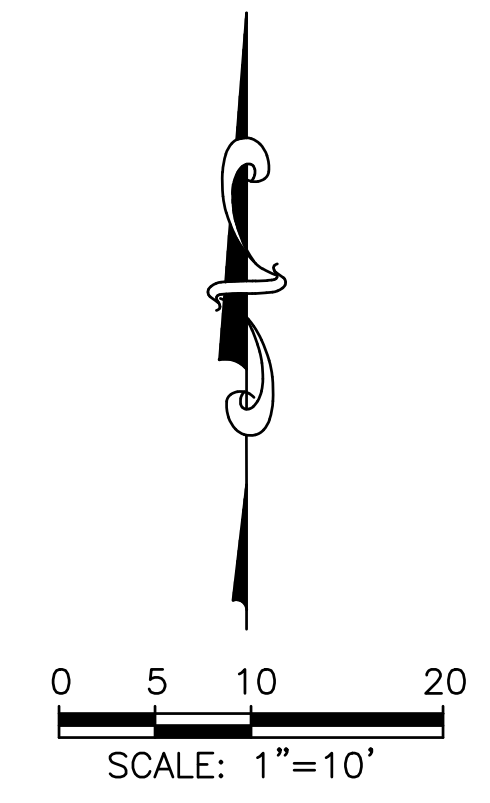
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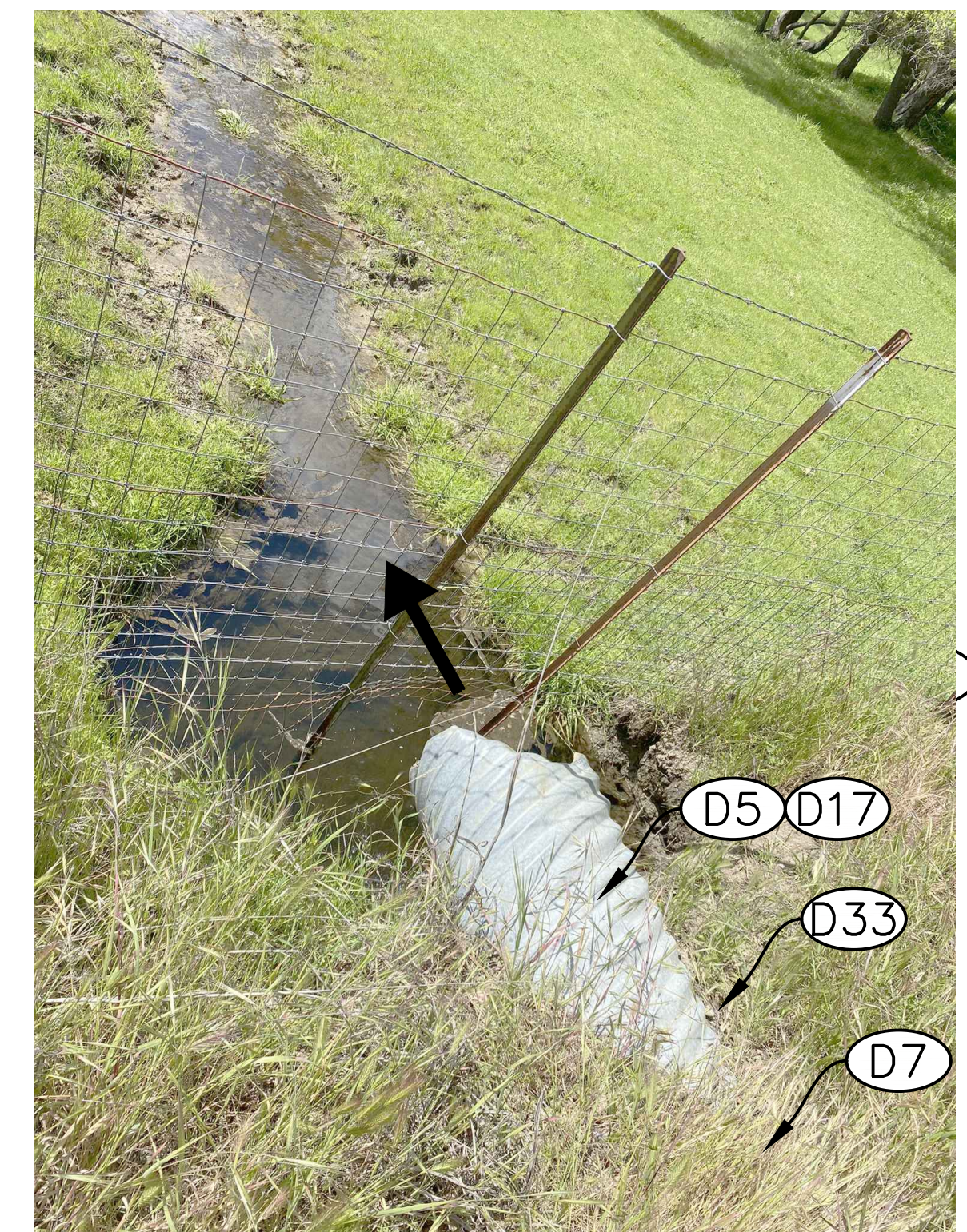
**LOCATION #13A - LAIRD ROAD SOUTH OF BRACE
(LAIRD AND BRACE)**

CONSTRUCTION NOTES

- (D1) REMOVE EXISTING 18" CMP AND INSTALL APPROXIMATELY 35 LF OF 18" RCP STORM DRAIN PIPE. SLOPE TO DRAIN AT MINIMUM 0.5% OR MATCH EXISTING SLOPE, WHICHEVER IS GREATER. INFORM ENGINEER IF MINIMUM SLOPE OF 0.5% IS NOT ACHIEVABLE.
- (D3) CONCRETE CAP AND TRENCH PAVING PER DETAIL 4. REPLACE STRIPING IN KIND.
- (D4) INSTALL INLET PROTECTION WITH FES PER DETAIL 2.
- (D5) INSTALL OUTLET PROTECTION PER DETAIL 2.
- (D7) REMOVE EXISTING MARKER (IF APPLICABLE) AND INSTALL CALTRANS TYPE L-1 OBJECT MARKER PER CALTRANS STANDARD PLAN A73A WITH METAL POST PER STANDARD PLAN A73B. NEW MARKER SHALL BE PLACED IN FRONT OF THE OBSTRUCTION; LOCATION SHALL BE APPROVED BY THE ENGINEER.
- (D17) LOWER DOWNSTREAM END OF PIPE TO MATCH FLOWLINE OF CREEK AT OUTLET.
- (D33) PLACE END OF NEW PIPE 3' FROM EDGE OF PAVEMENT TO MAKE SPACE FOR NEW FES.

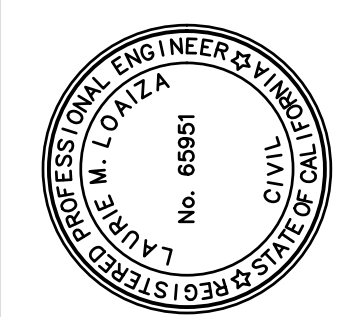


CULVERT INLET LOCATED EAST OF LAIRD ROAD (LOOKING WEST)



CULVERT OUTFALL LOCATED WEST OF LAIRD ROAD (LOOKING WEST)

BID SET
DATE: FEBRUARY 2024



PREPARED UNDER THE DIRECTION OF
Laurie M. Loaza
LAURIE M. LOAZA, RCE 65951 DATE: 08/29/23
DESIGNED BY: EC DRAWN BY: KAS REVIEWED BY: LVL

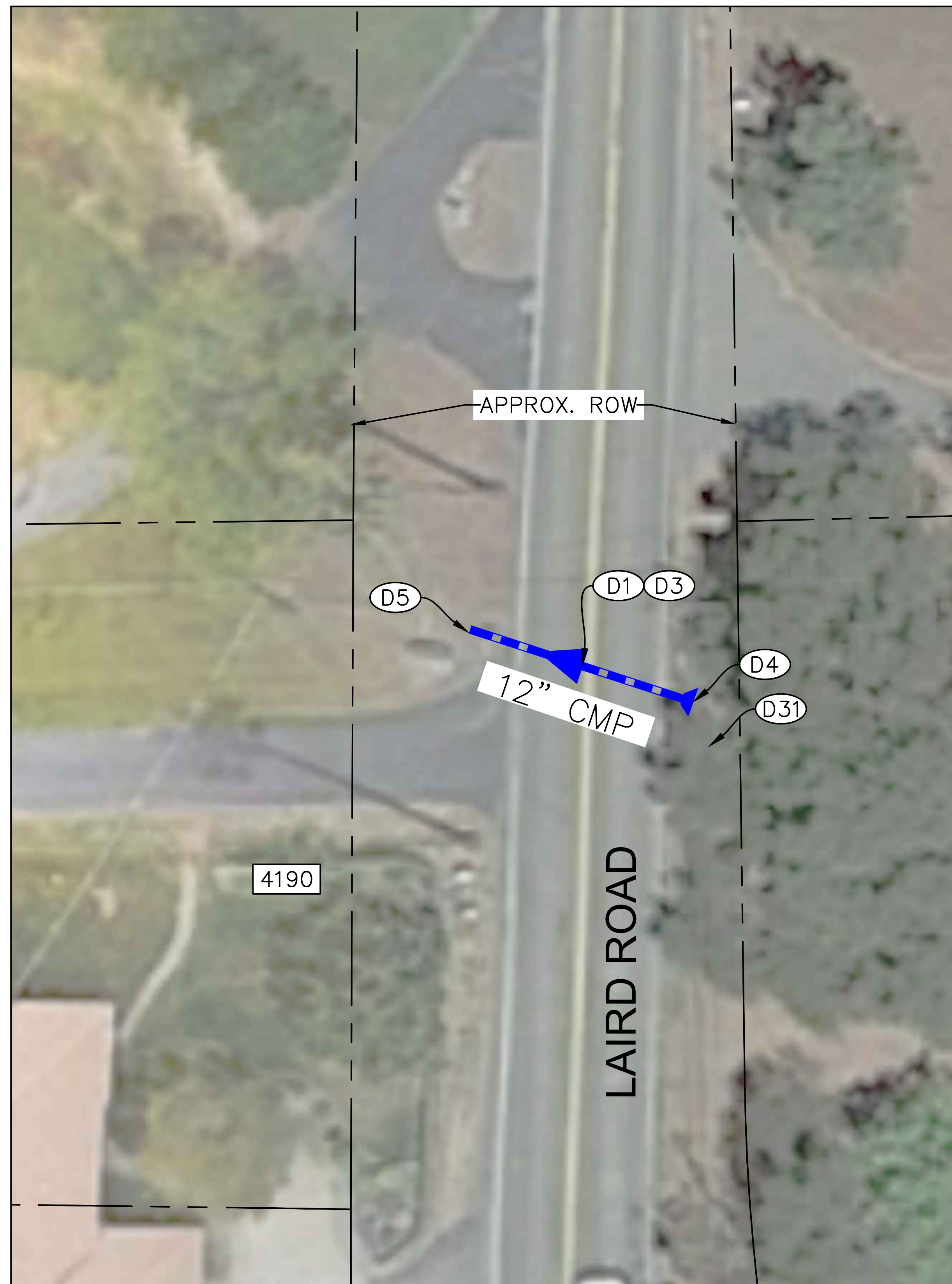
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TOWN OF LOOMIS
STREET CULVERT CROSSING RECONSTRUCTION CALIFORNIA
LOCATION #13A - LAIRD ROAD SOUTH OF BRACE

PROJECT NUMBER: 65-4923
DRAWING DATE: AUGUST 2023
SHEET NUMBER: 13 OF 30

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

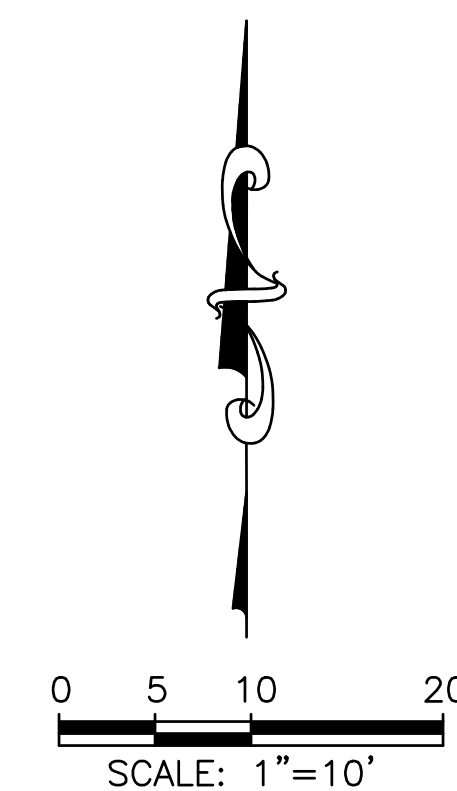
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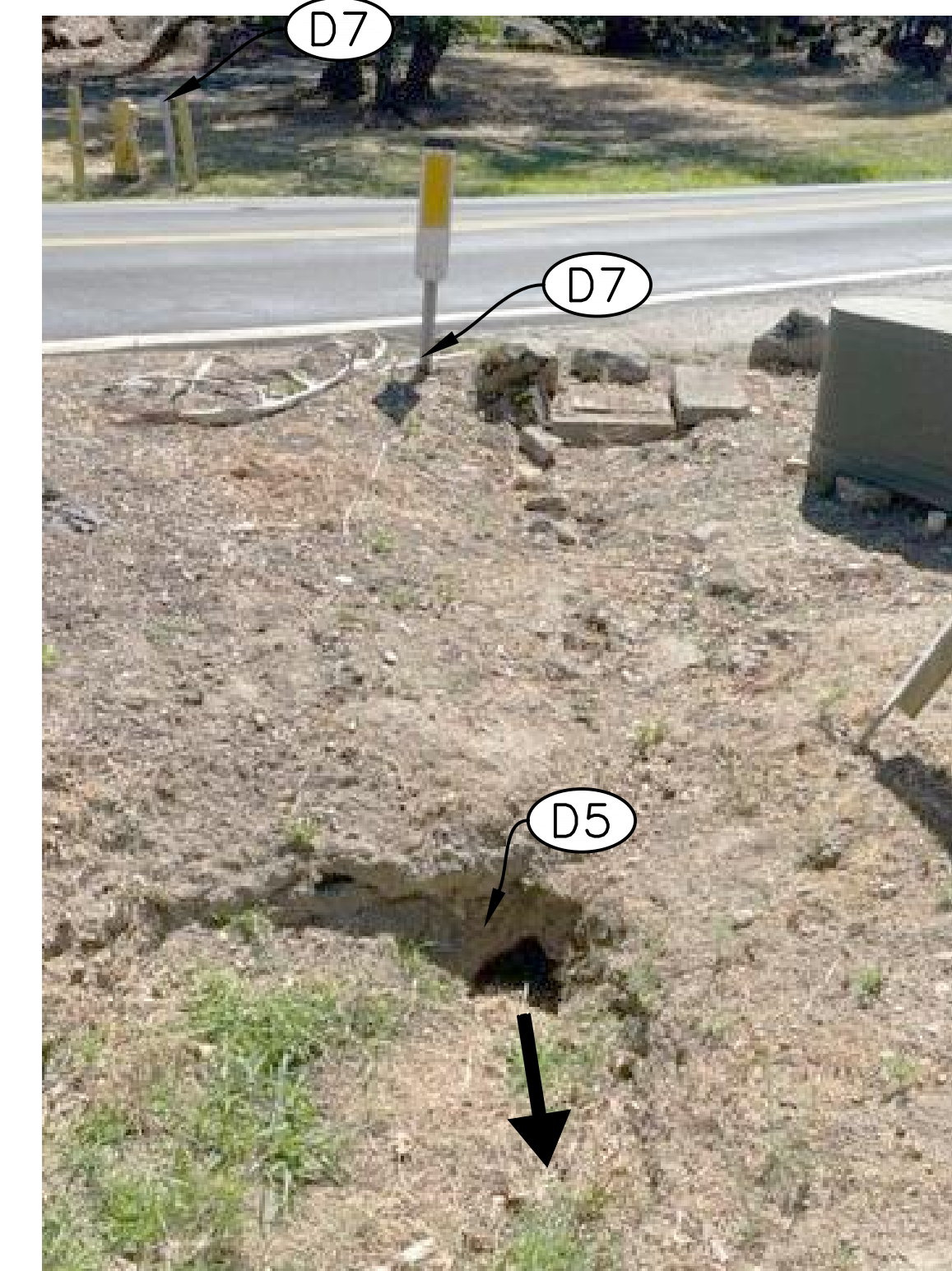
LOCATIOIN #13B - 4190 LAIRD RD

CONSTRUCTION NOTES

- (D1) REMOVE EXISTING 12" CMP AND INSTALL APPROXIMATELY 30 LF OF 12" RCP STORM DRAIN PIPE. SLOPE TO DRAIN AT MINIMUM 0.5% OR MATCH EXISTING SLOPE, WHICHEVER IS GREATER. INFORM ENGINEER IF MINIMUM SLOPE OF 0.5% IS NOT ACHIEVABLE.
- (D3) CONCRETE CAP AND TRENCH PAVING PER DETAIL 4. REPLACE STRIPING IN KIND.
- (D4) INSTALL INLET PROTECTION WITH FES PER DETAIL 2.
- (D5) INSTALL OUTLET PROTECTION PER DETAIL 2.
- (D7) REMOVE EXISTING MARKER (IF APPLICABLE) AND INSTALL CALTRANS TYPE L-1 OBJECT MARKER PER CALTRANS STANDARD PLAN A73A WITH METAL POST PER STANDARD PLAN A73B. NEW MARKER SHALL BE PLACED IN FRONT OF THE OBSTRUCTION; LOCATION SHALL BE APPROVED BY THE ENGINEER.
- (D31) CAUTION - OVERHEAD UTILITY LINES.

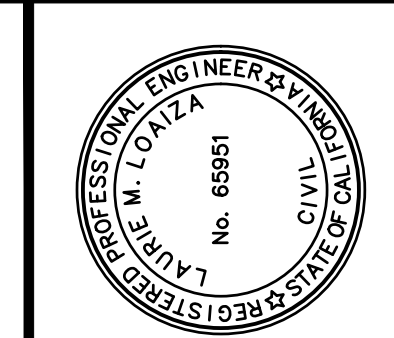


CULVERT INLET LOCATED EAST OF LAIRD ROAD (LOOKING WEST)



OUTFALL LOCATED WEST LAIRD RD

BID SET
DATE: FEBRUARY 2024



PREPARED UNDER THE DIRECTION OF
Laurie M. Loaza
DESIGNED BY: EC
DRAWN BY: KAS
REVIEWED BY: LML
DATE: 08/29/23
LAURIE M. LOAZA, RCE 65951

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TOWN OF LOOMIS
STREET CULVERT CROSSING RECONSTRUCTION
CALIFORNIA
LOCATION #13B - 4190 LAIRD RD

PROJECT NUMBER
65-4923
DRAWING DATE
AUGUST 2023
SHEET NUMBER
14 OF 30

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

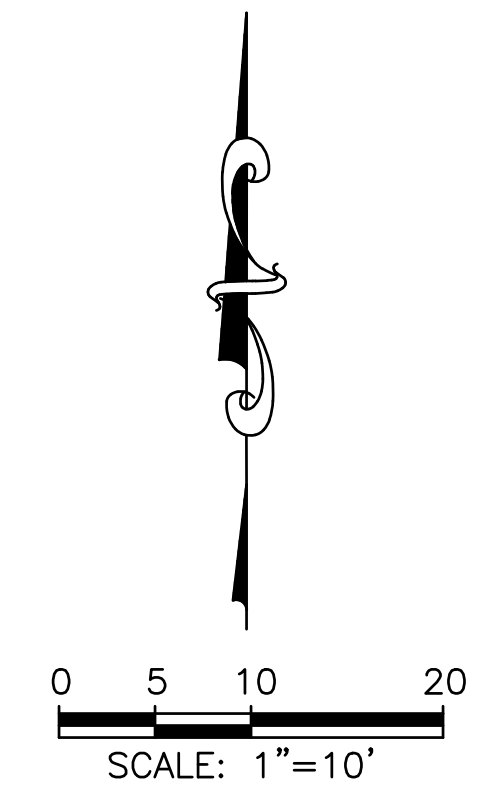
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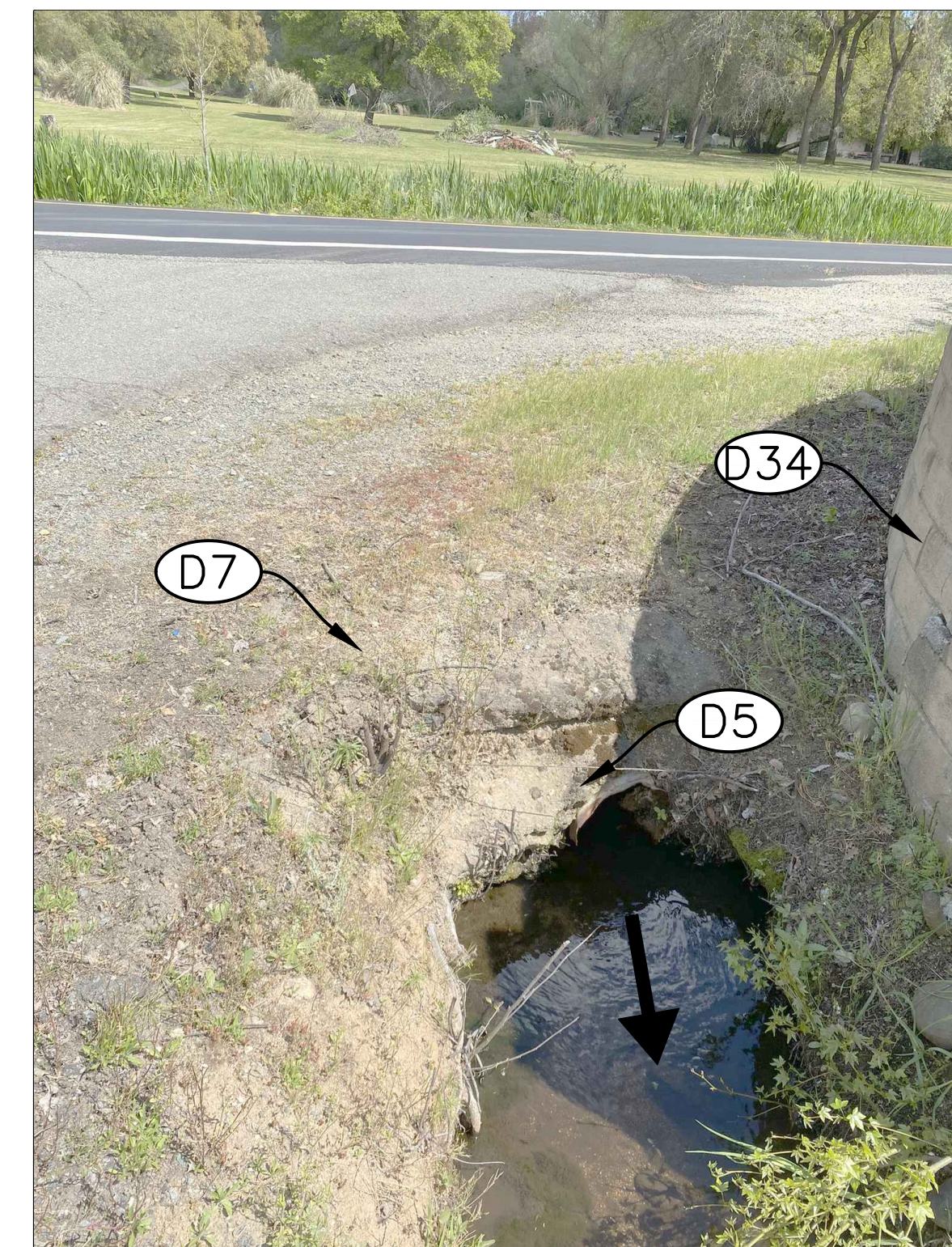
LOCATION 14 - LAIRD ROAD SOUTH OF NAPOLEON DR

CONSTRUCTION NOTES

- (D1) REMOVE EXISTING 12" CMP AND INSTALL APPROXIMATELY 40 LF OF 18" HDPE STORM DRAIN PIPE. SLOPE TO DRAIN AT MINIMUM 0.5% OR MATCH EXISTING SLOPE, WHICHEVER IS GREATER. INFORM ENGINEER IF MINIMUM SLOPE OF 0.5% IS NOT ACHIEVABLE.
- (D2) TRENCH PAVING PER DETAIL 3. REPLACE STRIPING IN KIND.
- (D4) INSTALL INLET PROTECTION WITH FES PER DETAIL 2.
- (D5) INSTALL OUTLET PROTECTION PER DETAIL 2.
- (D7) REMOVE EXISTING MARKER (IF APPLICABLE) AND INSTALL CALTRANS TYPE L-1 OBJECT MARKER PER CALTRANS STANDARD PLAN A73A WITH METAL POST PER STANDARD PLAN A73B. NEW MARKER SHALL BE PLACED IN FRONT OF THE OBSTRUCTION; LOCATION SHALL BE APPROVED BY THE ENGINEER.
- (D9) EXTEND PIPE TO A MINIMUM OF 3-FEET OUTSIDE OF THE EDGE OF TRAVELED WAY.
- (D31) CAUTION - OVERHEAD UTILITY LINES.
- (D34) PROTECT EXISTING WALL IN PLACE.

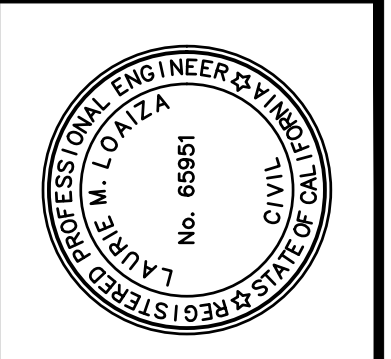


CULVERT INLET LOCATED EAST OF LAIRD ROAD (LOOKING WEST)



CULVERT OUTFALL LOCATED WEST OF LAIRD ROAD (LOOKING EAST)

BID SET
DATE: FEBRUARY 2024



PREPARED UNDER THE DIRECTION OF
Laurie M. Loaza
LAURIE M. LOAZA, RCE 65951 DATE 08/29/23
DESIGNED BY EC DRAWN BY KAS REVIEWED BY LVL

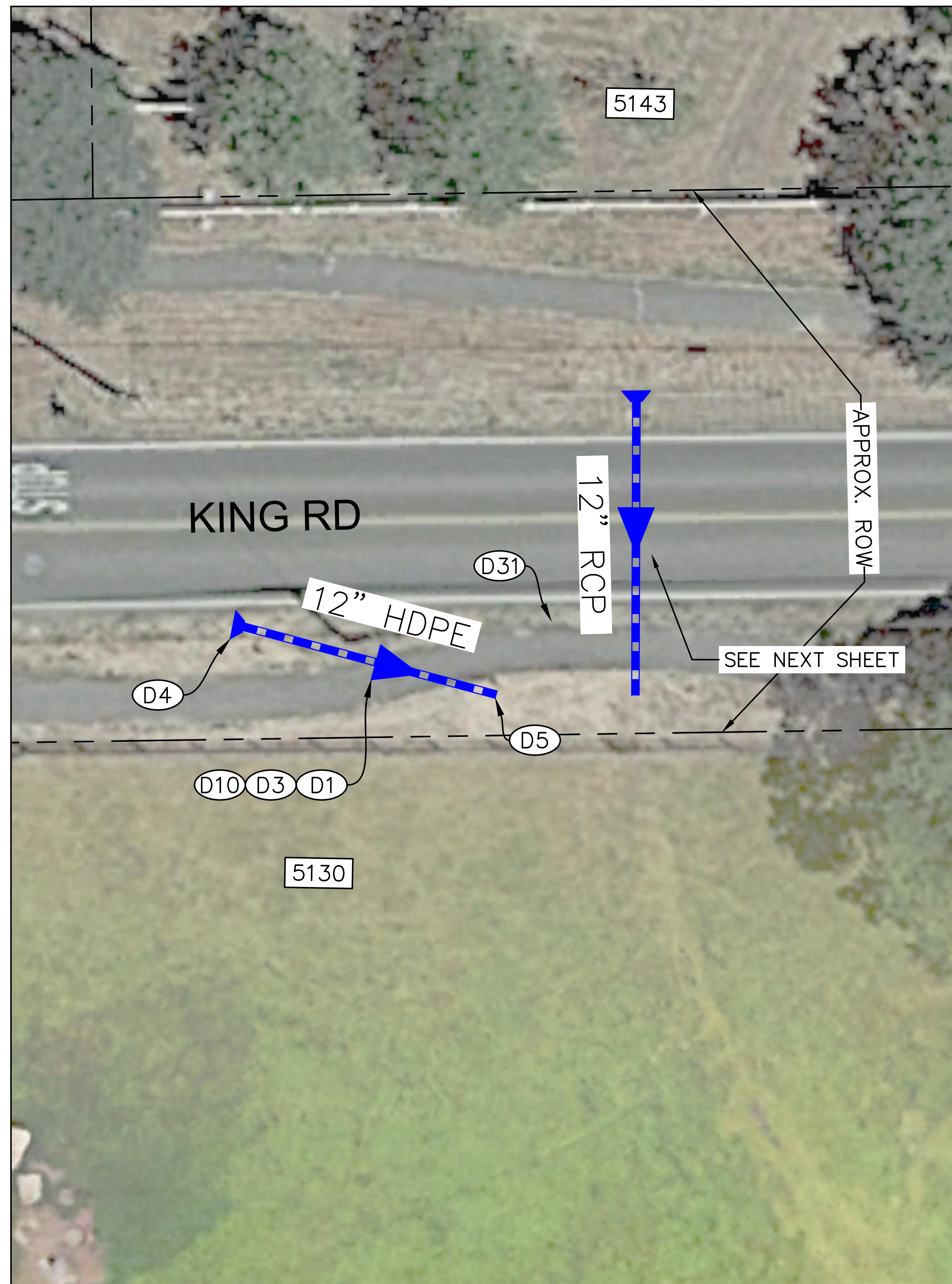
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TOWN OF LOOMIS
STREET CULVERT CROSSING RECONSTRUCTION CALIFORNIA
LOCATION 14 - LAIRD ROAD SOUTH OF NAPOLEON DR

PROJECT NUMBER 65-4923
DRAWING DATE AUGUST 2023
SHEET NUMBER 15 OF 30

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

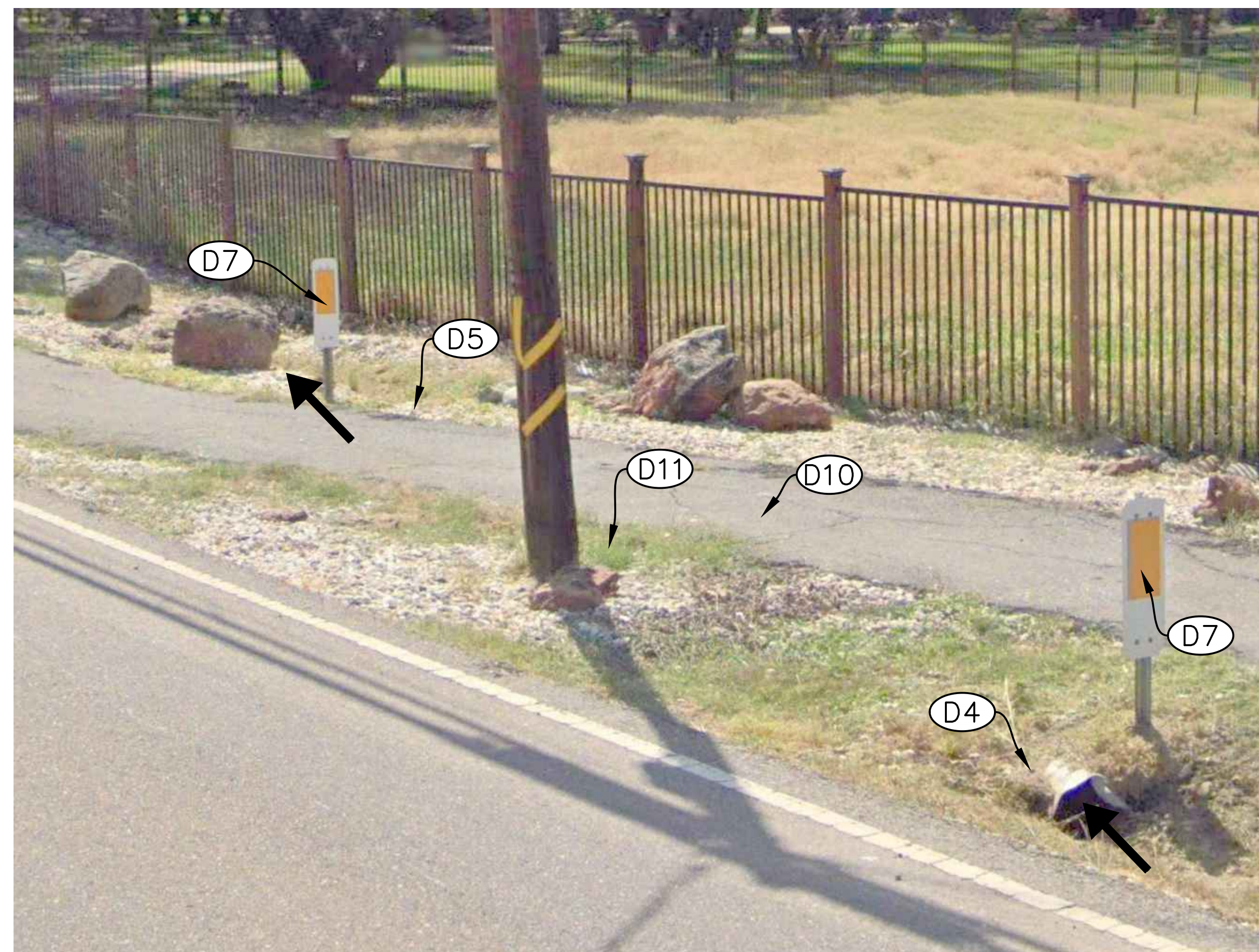
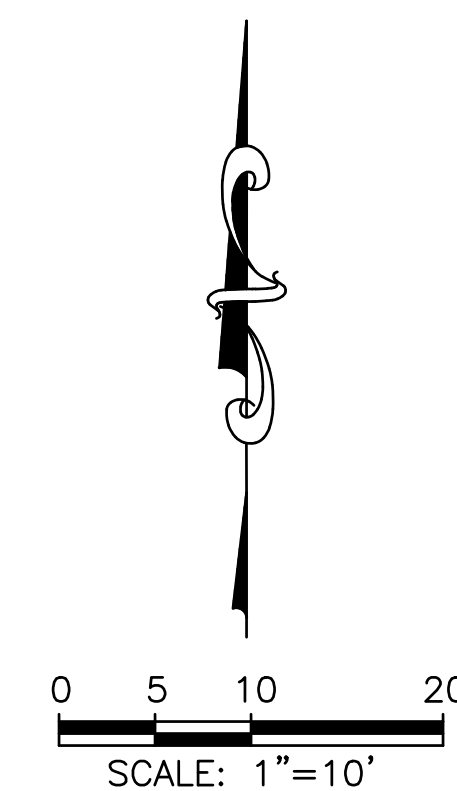
Path: F:\Civil_3D\Projects\654923-SP.dwg Layout Name: Loc#15a Plot Date: Aug 29, 2023 at 12:55 pm



LOCATION #15A - 5130 KING ROAD

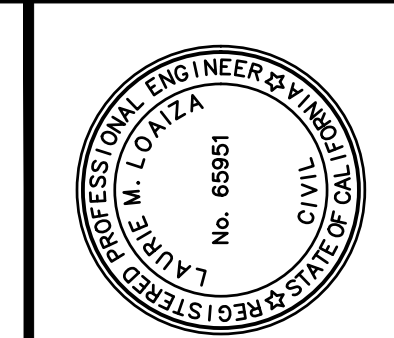
CONSTRUCTION NOTES

- (D1) REMOVE EXISTING 12" CMP AND INSTALL APPROXIMATELY 35 LF OF 12" HDPE STORM DRAIN PIPE. SLOPE TO DRAIN AT MINIMUM 0.5% OR MATCH EXISTING SLOPE, WHICHEVER IS GREATER. INFORM ENGINEER IF MINIMUM SLOPE OF 0.5% IS NOT ACHIEVABLE.
- (D3) CONCRETE CAP AND TRENCH PAVING PER DETAIL 4. REPLACE STRIPING IN KIND.
- (D4) INSTALL INLET PROTECTION WITH FES PER DETAIL 2.
- (D5) INSTALL OUTLET PROTECTION PER DETAIL 2.
- (D7) REMOVE EXISTING MARKER (IF APPLICABLE) AND INSTALL CALTRANS TYPE L-1 OBJECT MARKER PER CALTRANS STANDARD PLAN A73A WITH METAL POST PER STANDARD PLAN A73B. NEW MARKER SHALL BE PLACED IN FRONT OF THE OBSTRUCTION; LOCATION SHALL BE APPROVED BY THE ENGINEER.
- (D10) AC DEPTH FOR TRENCH PAVING IN DETAIL 4 CAN BE REDUCED TO 3" IN PAVED PATH.
- (D11) ADJUST CULVERT ALIGNMENT AS NEEDED TO AVOID POLE.
- (D31) CAUTION - OVERHEAD UTILITY LINES.



KING ROAD (LOOKING SOUTH EAST)

BID SET
DATE: FEBRUARY 2024



PREPARED UNDER THE DIRECTION OF
Laurie M. Loaza
LAURIE M. LOAZA, RCE 65951 DATE 08/29/23
DESIGNED BY EC DRAWN BY KAS REVIEWED BY LVL

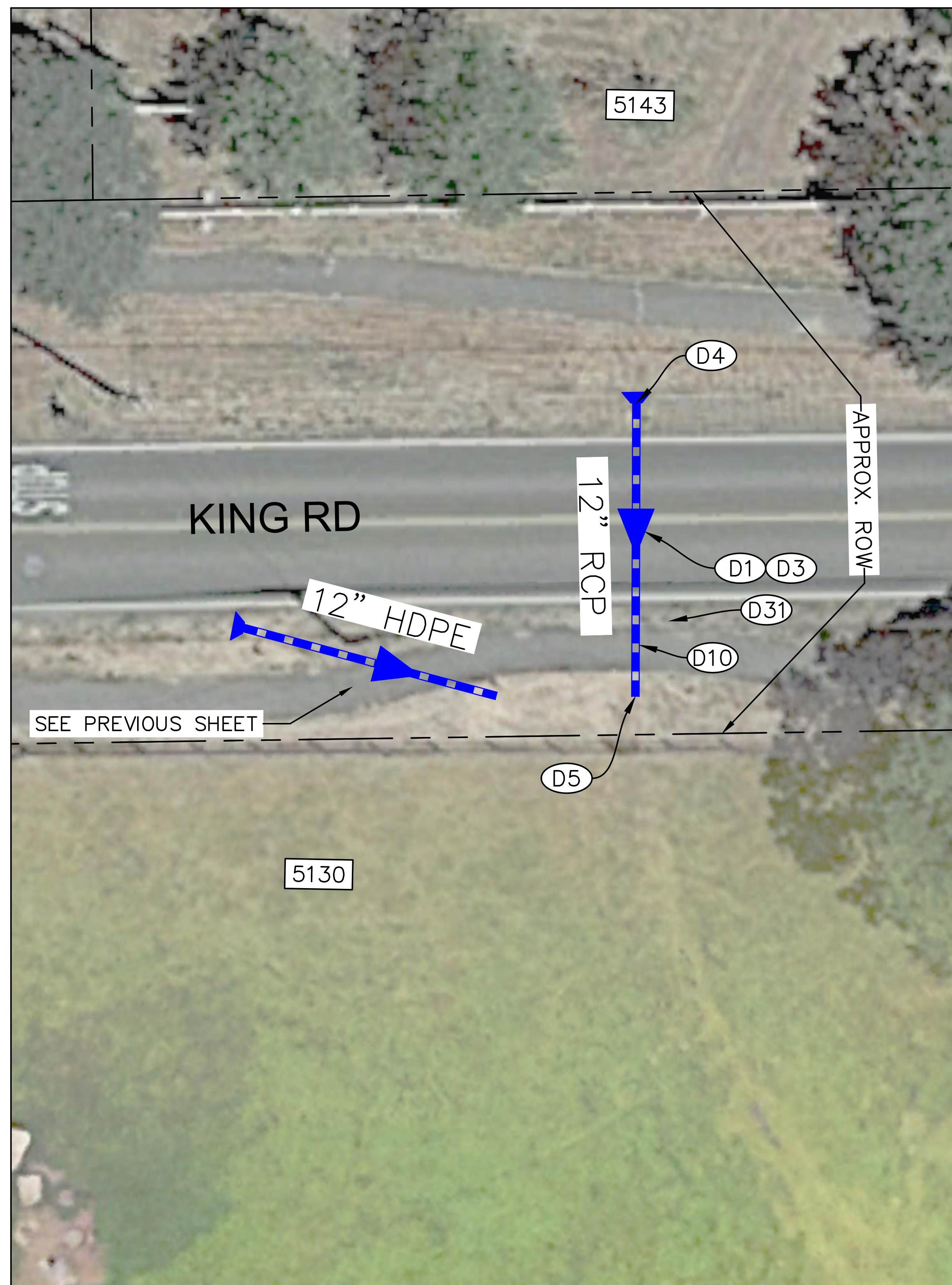
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TOWN OF LOOMIS
STREET CULVERT CROSSING RECONSTRUCTION
CALIFORNIA
LOCATION #15A - 5130 KING ROAD

PROJECT NUMBER
65-4923
DRAWING DATE
AUGUST 2023
SHEET NUMBER
16 OF 30

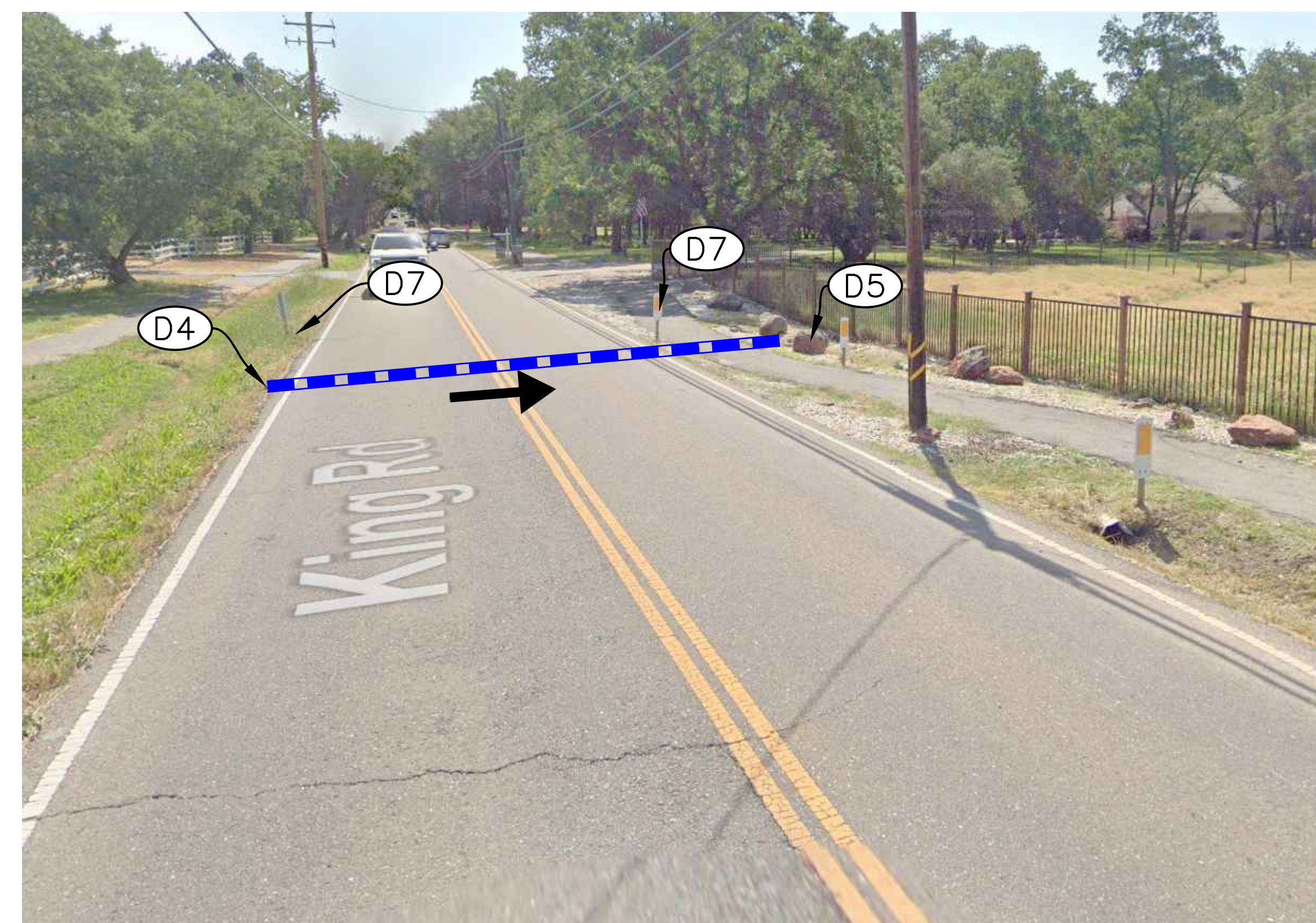
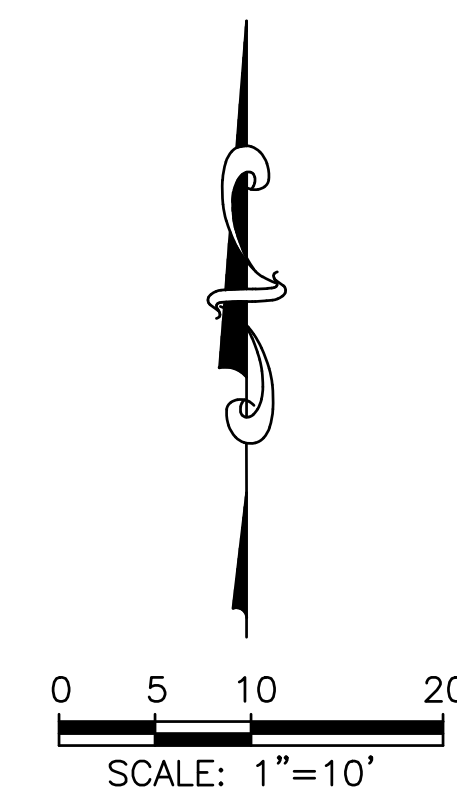
FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

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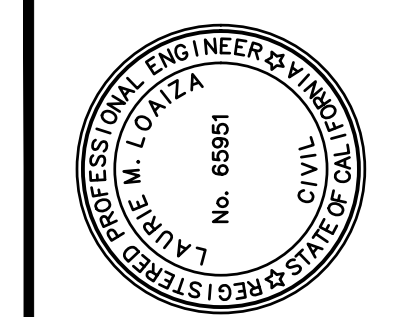


LOCATION #15B - 5143 KING ROAD

- CONSTRUCTION NOTES**
- (D1) REMOVE EXISTING 12" CMP AND INSTALL APPROXIMATELY 40 LF OF 12" RCP STORM DRAIN PIPE. SLOPE TO DRAIN AT MINIMUM 0.5% OR MATCH EXISTING SLOPE, WHICHEVER IS GREATER. INFORM ENGINEER IF MINIMUM SLOPE OF 0.5% IS NOT ACHIEVABLE.
 - (D3) CONCRETE CAP AND TRENCH PAVING PER DETAIL 4. REPLACE STRIPING IN KIND.
 - (D4) INSTALL INLET PROTECTION WITH FES PER DETAIL 2.
 - (D5) INSTALL OUTLET PROTECTION PER DETAIL 2.
 - (D7) REMOVE EXISTING MARKER (IF APPLICABLE) AND INSTALL CALTRANS TYPE L-1 OBJECT MARKER PER CALTRANS STANDARD PLAN A73A WITH METAL POST PER STANDARD PLAN A73B. NEW MARKER SHALL BE PLACED IN FRONT OF THE OBSTRUCTION; LOCATION SHALL BE APPROVED BY THE ENGINEER.
 - (D10) AC DEPTH FOR TRENCH PAVING IN DETAIL 4 CAN BE REDUCED TO 3" IN PAVED PATH.
 - (D31) CAUTION - OVERHEAD UTILITY LINES.



KING ROAD (LOOKING EAST)



PREPARED UNDER THE DIRECTION OF
 LAURIE M. LOAZA
 08/29/23
 LAURIE M. LOAZA, RCE 65951 DATE
 DESIGNED BY EC DRAWN BY KAS REVIEWED BY LVL

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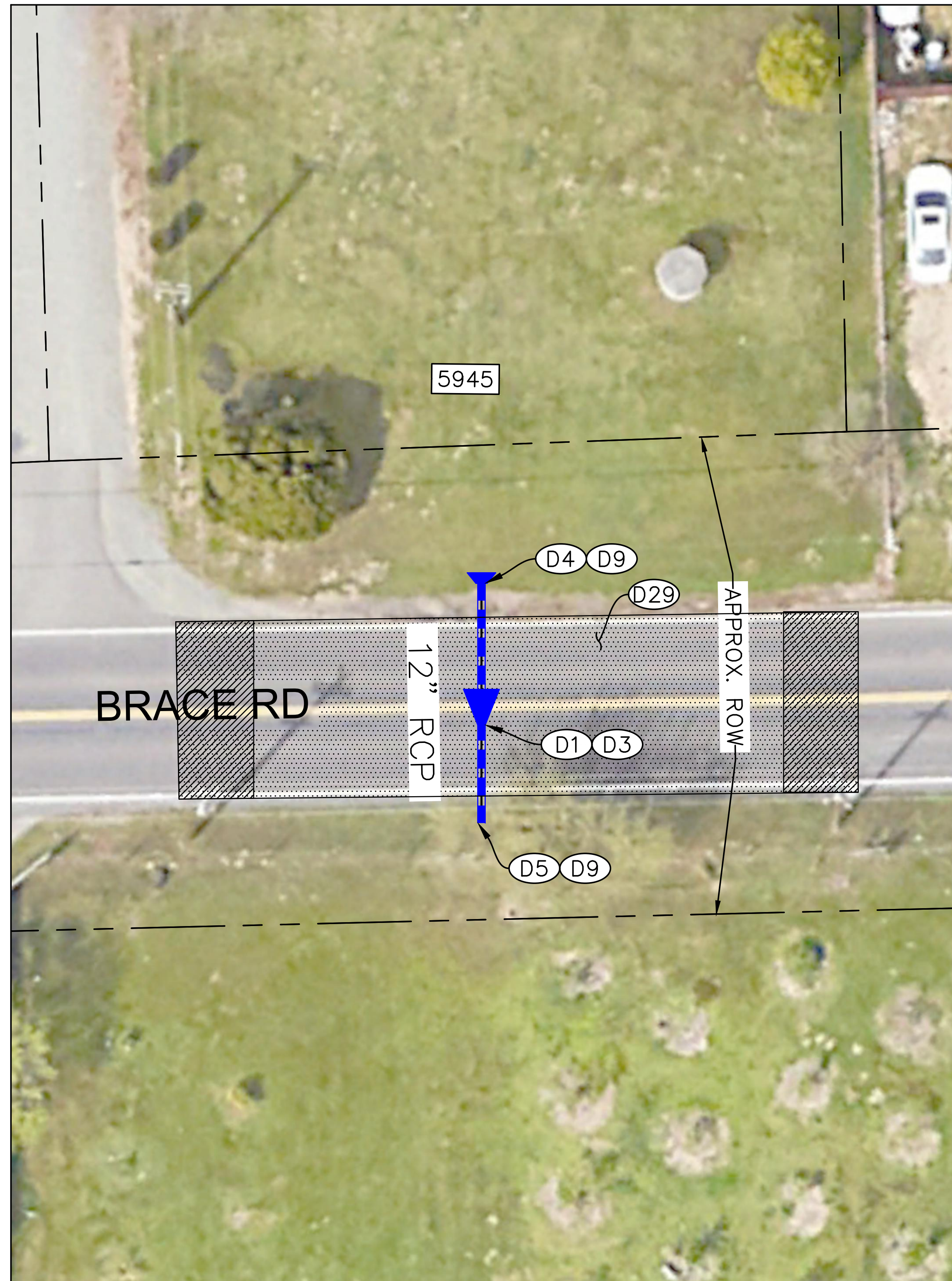
TOWN OF LOOMIS
 STREET CULVERT CROSSING RECONSTRUCTION
 CALIFORNIA
 LOCATION #15B - 5143 KING ROAD

PROJECT NUMBER
65-4923
 DRAWING DATE
AUGUST 2023
 SHEET NUMBER
17 OF 30

BID SET
 DATE: FEBRUARY 2024

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

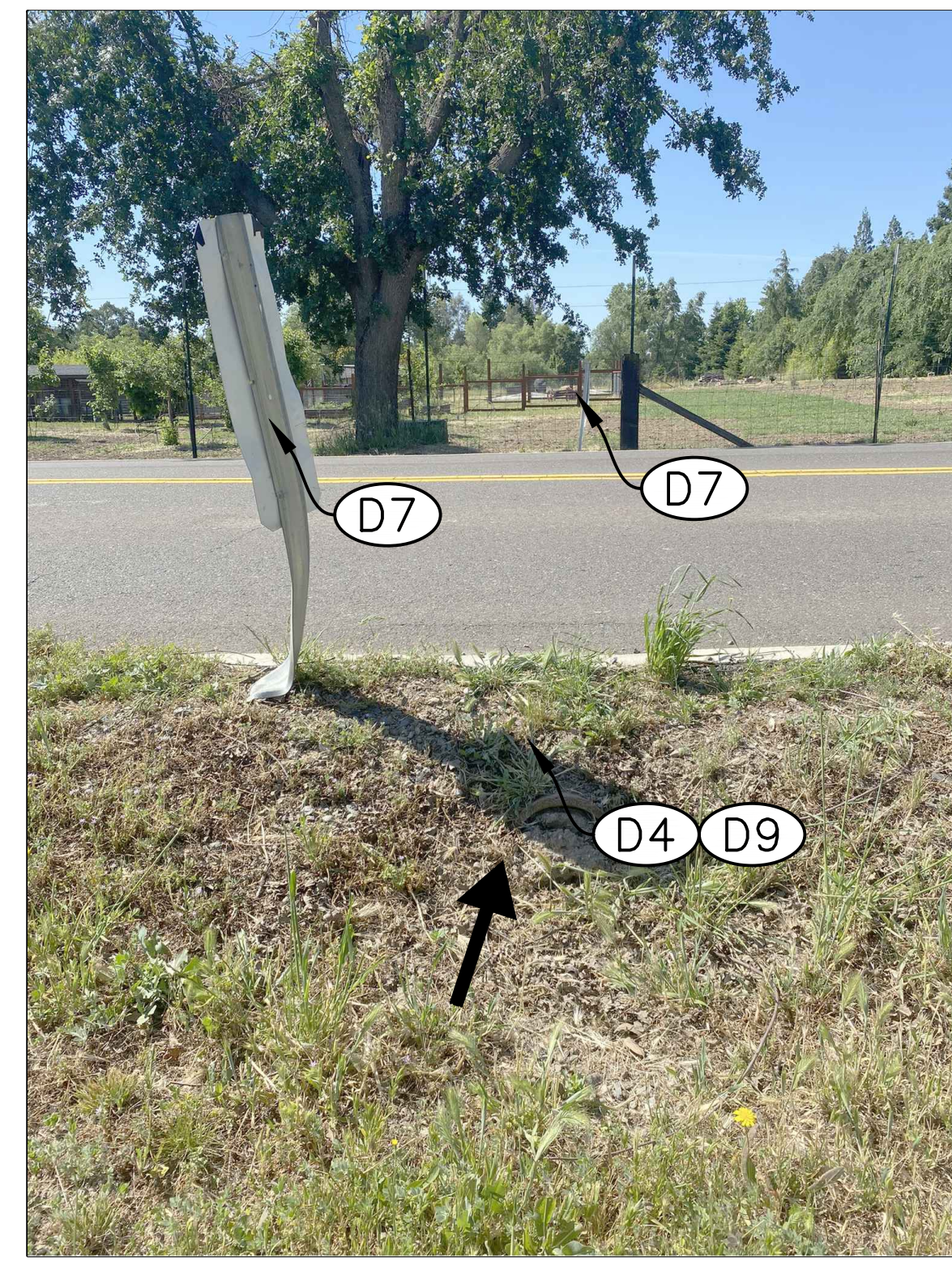
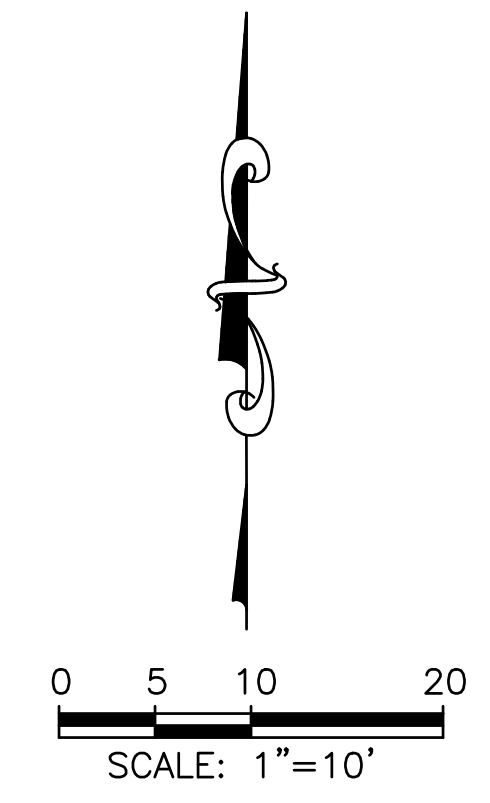
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LOCATION #16 - 5945 BRACE ROAD

CONSTRUCTION NOTES

- (D1) REMOVE EXISTING 12" VCP AND INSTALL APPROXIMATELY 35 LF OF 12" RCP STORM DRAIN PIPE. SLOPE TO DRAIN AT MINIMUM 0.5% OR MATCH EXISTING SLOPE, WHICHEVER IS GREATER. INFORM ENGINEER IF MINIMUM SLOPE OF 0.5% IS NOT ACHIEVABLE.
- (D3) CONCRETE CAP AND TRENCH PAVING PER DETAIL 4. REPLACE STRIPING IN KIND.
- (D4) INSTALL INLET PROTECTION WITH FES PER DETAIL 2.
- (D5) INSTALL OUTLET PROTECTION PER DETAIL 2.
- (D7) REMOVE EXISTING MARKER (IF APPLICABLE) AND INSTALL CALTRANS TYPE L-1 OBJECT MARKER PER CALTRANS STANDARD PLAN A73A WITH METAL POST PER STANDARD PLAN A73B. NEW MARKER SHALL BE PLACED IN FRONT OF THE OBSTRUCTION; LOCATION SHALL BE APPROVED BY THE ENGINEER.
- (D9) EXTEND PIPE TO A MINIMUM OF 3-FEET OUTSIDE OF THE EDGE OF TRAVELED WAY.
- (D29) BUILD UP ROAD SECTION PER DETAIL 11 TO PROVIDE A MINIMUM OF 10" OF COVER OVER BELL END OF RCP. PROVIDE 10-FT WEDGE GRIND TO CONFORM ON EITHER SIDE OF PAVING AREA. LIMITS SHOWN ARE APPROXIMATE, CONTRACTOR SHALL VERIFY LIMITS WITH THE TOWN PRIOR TO BEGINNING WORK AT THIS SITE. REPLACE STRIPING.

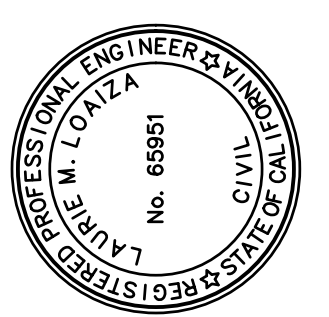


CULVERT INLET LOCATED NORTH OF BRACE ROAD (LOOKING SOUTH)



CULVERT OUTFALL LOCATED SOUTH OF BRACE ROAD (LOOKING NORTH)

BID SET
DATE: FEBRUARY 2024



PREPARED UNDER THE DIRECTION OF
Laurie M. Loaza
LAURIE M. LOAZA, RCE 65951 DATE 08/29/23
DESIGNED BY EC DRAWN BY KAS REVIEWED BY LVL

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TOWN OF LOOMIS
STREET CULVERT CROSSING RECONSTRUCTION
CALIFORNIA

LOCATION #16 - 5945 BRACE ROAD

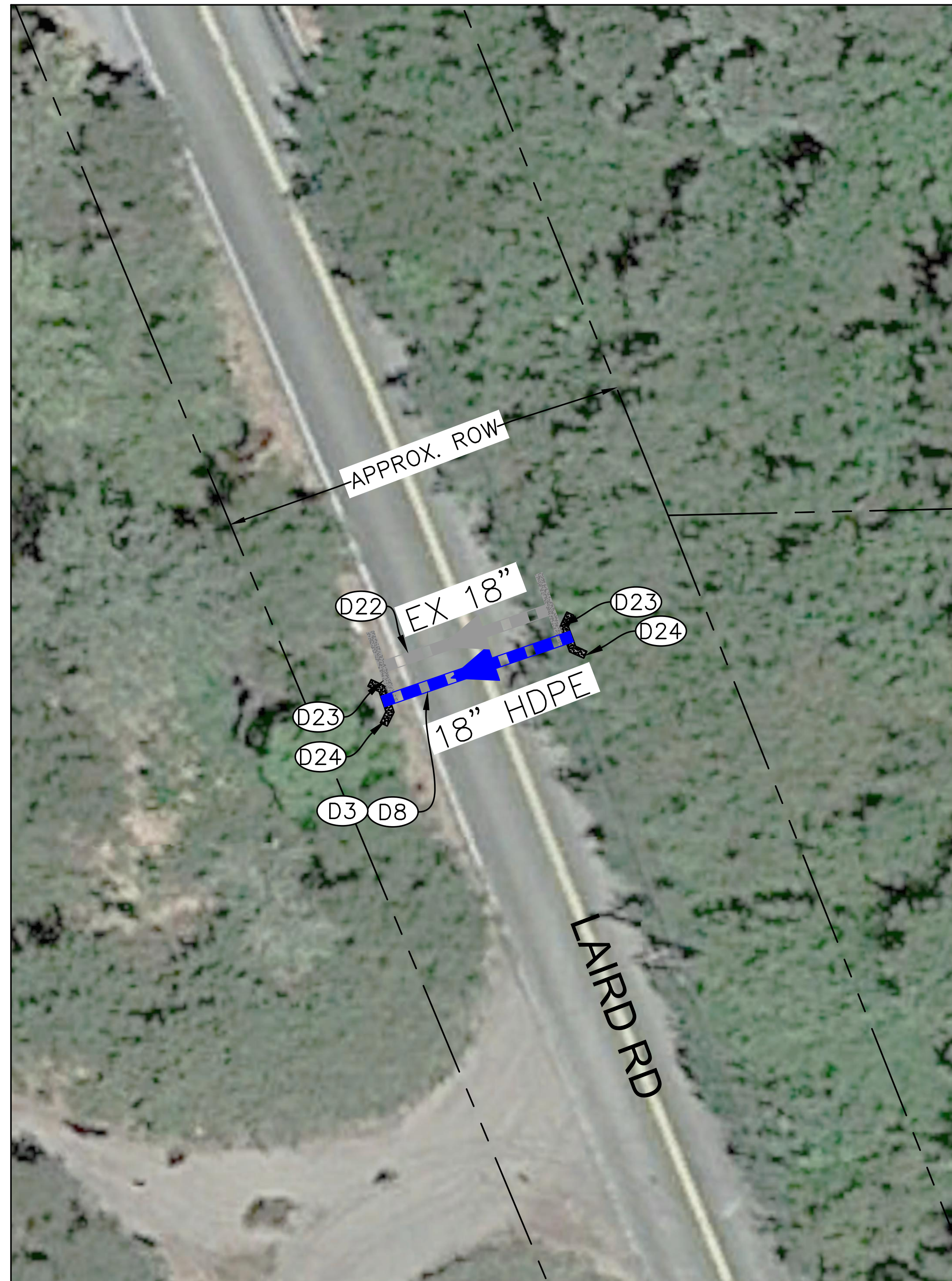
PROJECT NUMBER
65-4923

DRAWING DATE
AUGUST 2023

SHEET NUMBER
18 OF 30

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

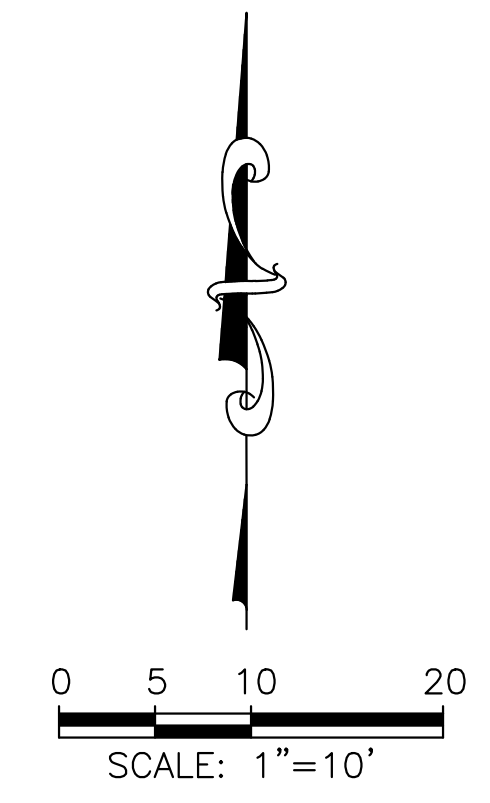
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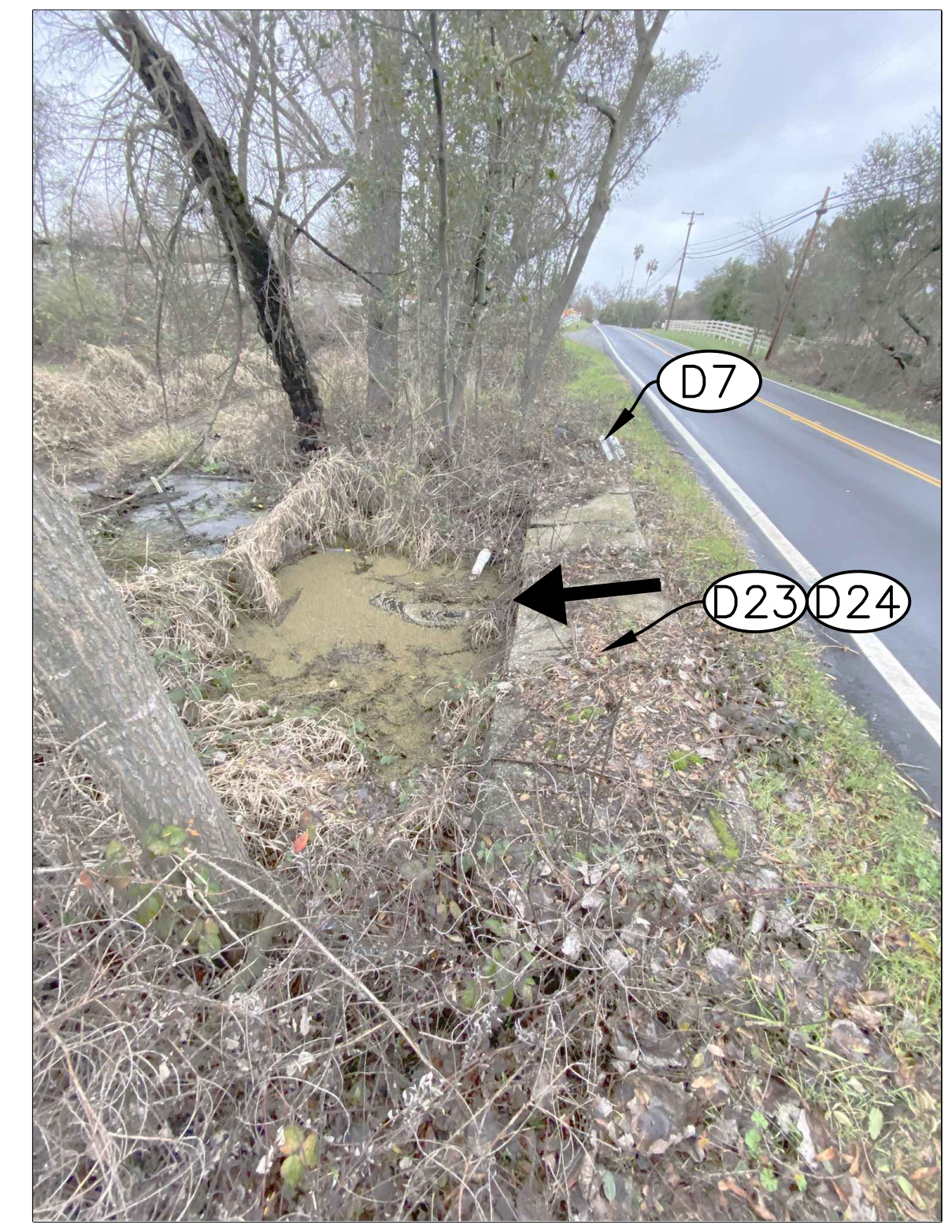
LOCATION #17 - LAIRD ROAD NORTH OF WHITE LANE

CONSTRUCTION NOTES

- (D3) CONCRETE CAP AND TRENCH PAVING PER DETAIL 4. REPLACE STRIPING IN KIND.
- (D7) REMOVE EXISTING MARKER (IF APPLICABLE) AND INSTALL CALTRANS TYPE L-1 OBJECT MARKER PER CALTRANS STANDARD PLAN A73A WITH METAL POST PER STANDARD PLAN A73B. NEW MARKER SHALL BE PLACED IN FRONT OF THE OBSTRUCTION; LOCATION SHALL BE APPROVED BY THE ENGINEER.
- (D8) INSTALL APPROXIMATELY 30 LF OF 18" HDPE STORM DRAIN PIPE. SLOPE TO DRAIN AT MINIMUM 0.5% OR MATCH EXISTING SLOPE, WHICHEVER IS GREATER. INFORM TOWN IF MINIMUM SLOPE OF 0.5% IS NOT ACHIEVABLE.
- (D22) ABANDON EXISTING 18" CULVERT IN PLACE. PRESERVE AND PROTECT EXISTING UTILITY LINE RUNNING THROUGH EXISTING CULVERT. FILL CULVERT WITH CLSM. SEE DETAIL 8.
- (D23) SAWCUT AND REMOVE APPROXIMATELY 12 LF OF EXISTING CONCRETE HEADWALL AS NEEDED TO INSTALL NEW PIPE AND HEADWALL. FILL AND REGRADE DITCH TO TIE INTO FLOWLINE FROM NEW CULVERT. CONTRACTOR TO VERIFY LIMITS OF REMOVAL IN FIELD.
- (D24) CONSTRUCT NEW CAST IN PLACE HEADWALL PER DETAIL 5. GRADE FLOWLINE OF DITCH TO MATCH NEW CULVERT FLOWLINE AND LOCATION.

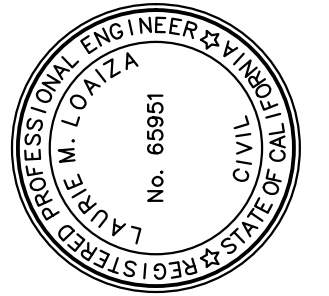


CULVERT INLET LOCATED EAST OF LAIRD ROAD (LOOKING EAST)



OUTFALL LOCATED WEST LAIRD RD (LOOKING NORTH)

BID SET
DATE: FEBRUARY 2024



PREPARED UNDER THE DIRECTION OF
Laurie M. Loaza
LAURIE M. LOAZA, RCE 65951 DATE 08/29/23
DESIGNED BY EC DRAWN BY KAS REVIEWED BY LML

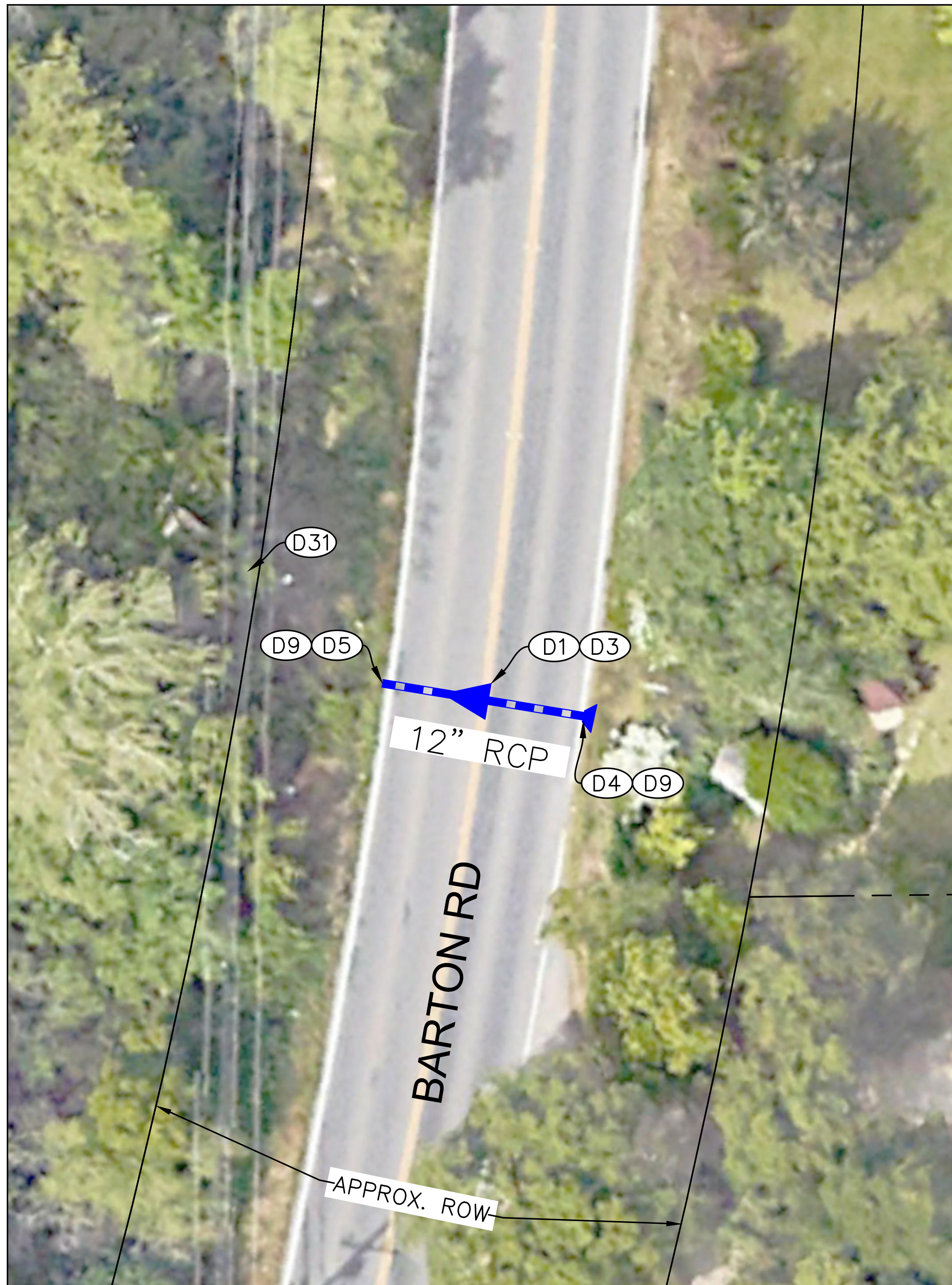
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TOWN OF LOOMIS
STREET CULVERT CROSSING RECONSTRUCTION
CALIFORNIA
LOCATION #17 - LAIRD ROAD NORTH
OF WHITE LANE

PROJECT NUMBER
65-4923
DRAWING DATE
AUGUST 2023
SHEET NUMBER
19 OF 30

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

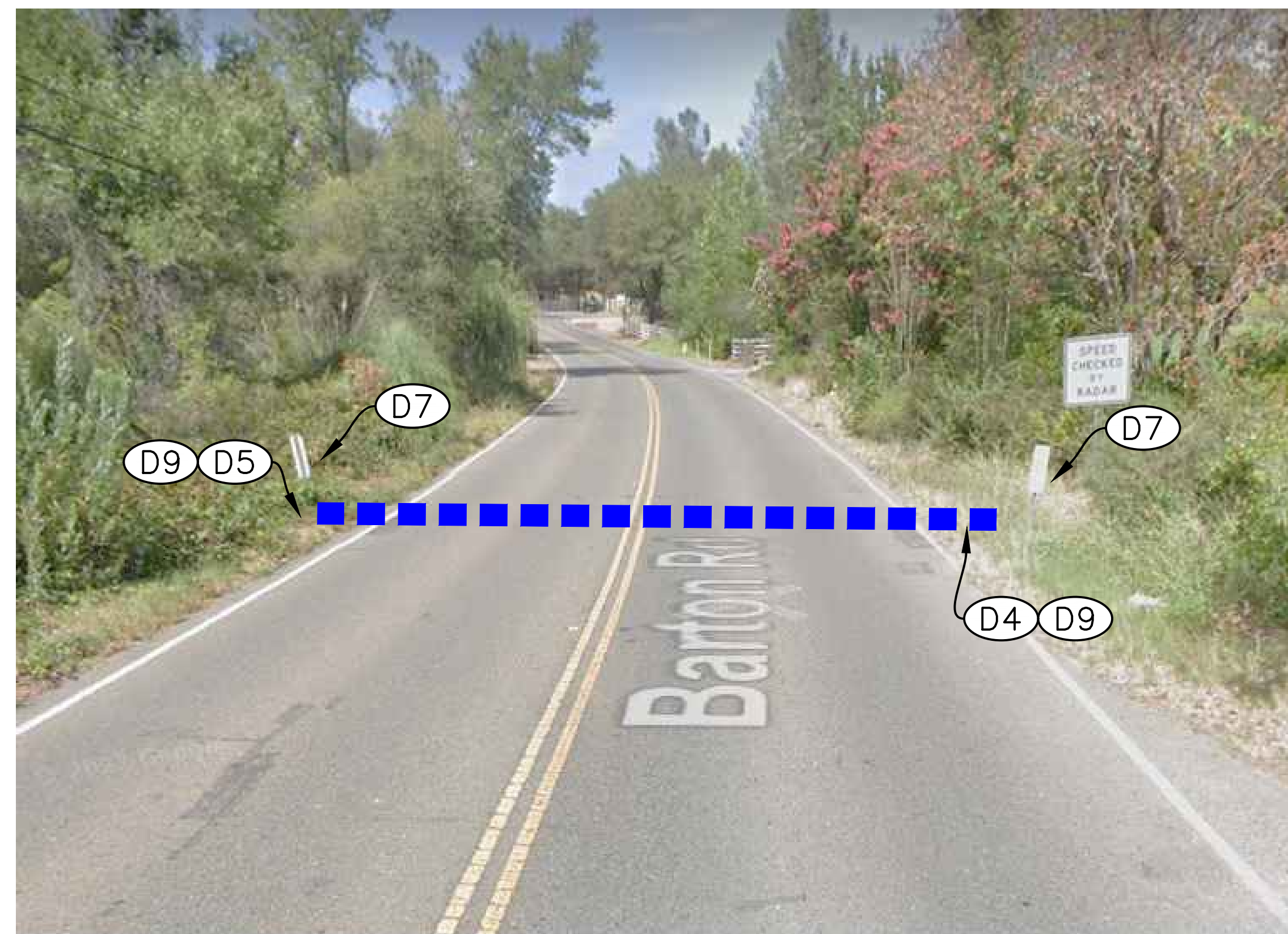
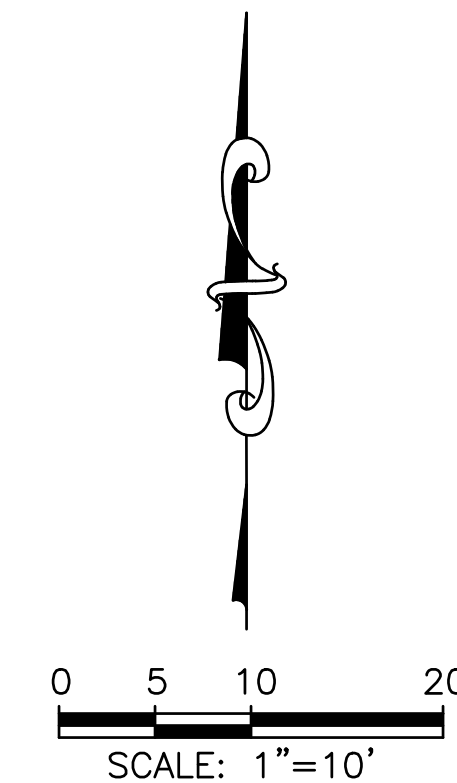
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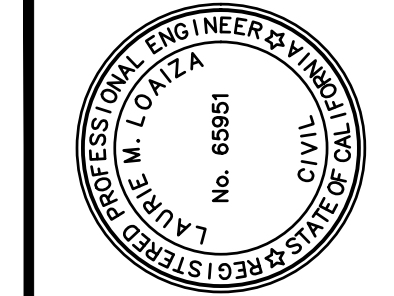
LOCATION #18 - 6453 BARTON ROAD

CONSTRUCTION NOTES

- (D1) REMOVE EXISTING 12" CMP AND INSTALL APPROXIMATELY 35 LF OF 12" RCP STORM DRAIN PIPE. SLOPE TO DRAIN AT MINIMUM 0.5% OR MATCH EXISTING SLOPE, WHICHEVER IS GREATER. INFORM ENGINEER IF MINIMUM SLOPE OF 0.5% IS NOT ACHIEVABLE.
- (D3) CONCRETE CAP AND TRENCH PAVING PER DETAIL 4. REPLACE STRIPING IN KIND.
- (D4) INSTALL INLET PROTECTION WITH FES PER DETAIL 2.
- (D5) INSTALL OUTLET PROTECTION PER DETAIL 2.
- (D7) REMOVE EXISTING MARKER (IF APPLICABLE) AND INSTALL CALTRANS TYPE L-1 OBJECT MARKER PER CALTRANS STANDARD PLAN A73A WITH METAL POST PER STANDARD PLAN A73B. NEW MARKER SHALL BE PLACED IN FRONT OF THE OBSTRUCTION; LOCATION SHALL BE APPROVED BY THE ENGINEER.
- (D9) EXTEND PIPE TO A MINIMUM OF 3-FEET OUTSIDE OF THE EDGE OF TRAVELED WAY.
- (D31) CAUTION - OVERHEAD UTILITY LINES.



CULVERT CROSSING ON BARTON ROAD (LOOKING NORTH)



PREPARED UNDER THE DIRECTION OF
Laurie M. Loaiza
 LAURIE M. LOAIZA, RCE 65951 DATE 08/29/23
 DESIGNED BY EC DRAWN BY KAS REVIEWED BY LVL

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TOWN OF LOOMIS
 STREET CULVERT CROSSING RECONSTRUCTION
 CALIFORNIA
LOCATION #18 - 6453 BARTON ROAD

PROJECT NUMBER
65-4923
 DRAWING DATE
AUGUST 2023
 SHEET NUMBER
20 OF **30**

BID SET
 DATE: FEBRUARY 2024

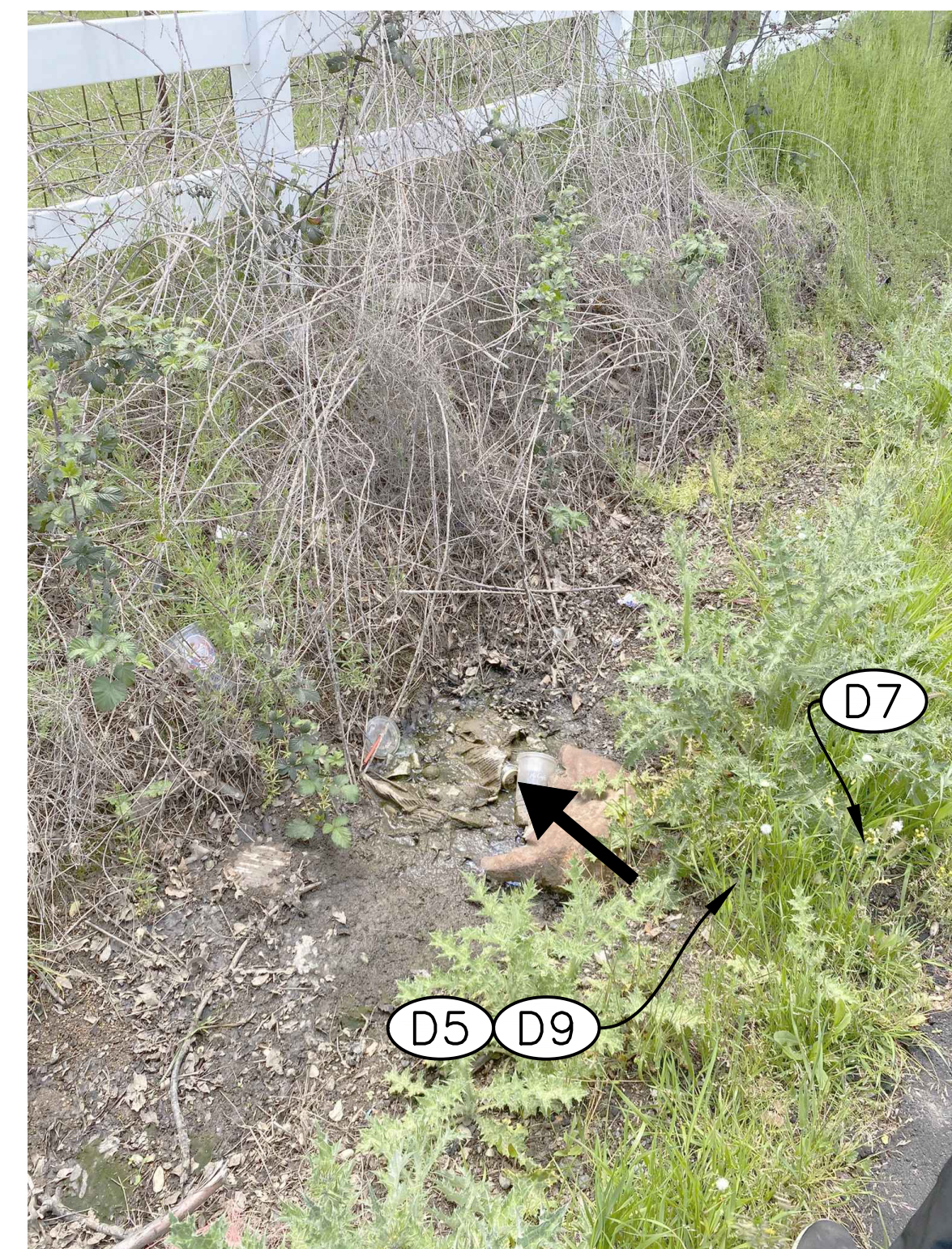
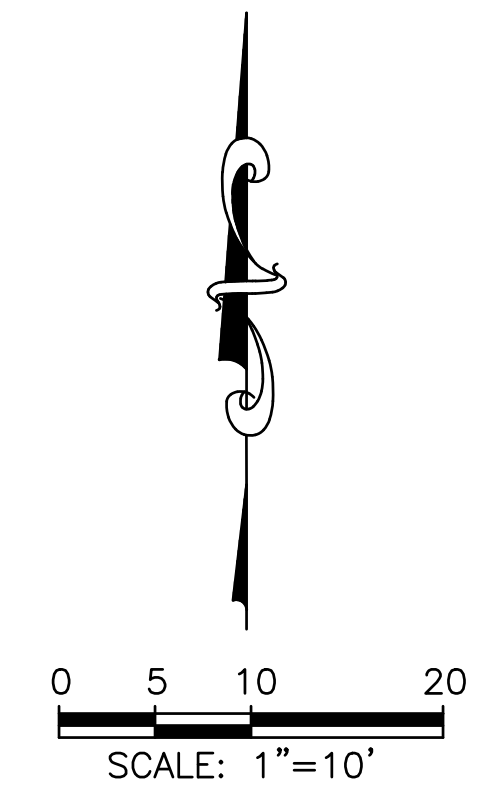
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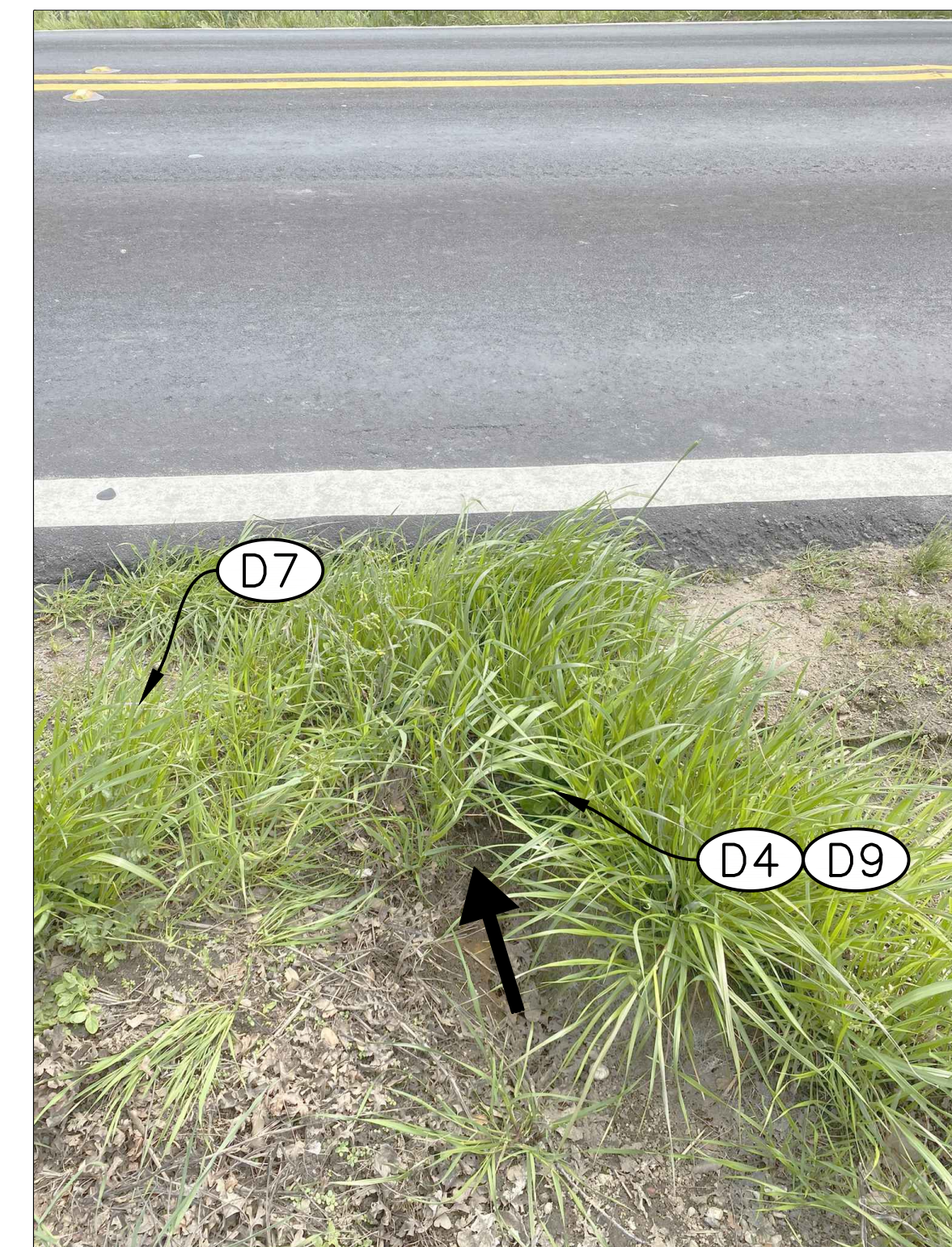


LOCATION #19 - HORSESHOE BAR ROAD WEST OF TWIN PALMS ROAD

- CONSTRUCTION NOTES**
- (D1) REMOVE EXISTING 12" CMP AND INSTALL APPROXIMATELY 25 LF OF 12" RCP STORM DRAIN PIPE. SLOPE TO DRAIN AT MINIMUM 0.5% OR MATCH EXISTING SLOPE, WHICHEVER IS GREATER. INFORM ENGINEER IF MINIMUM SLOPE OF 0.5% IS NOT ACHIEVABLE.
 - (D3) CONCRETE CAP AND TRENCH PAVING PER DETAIL 4. REPLACE STRIPING IN KIND.
 - (D4) INSTALL INLET PROTECTION WITH FES PER DETAIL 2.
 - (D5) INSTALL OUTLET PROTECTION PER DETAIL 2.
 - (D7) REMOVE EXISTING MARKER (IF APPLICABLE) AND INSTALL CALTRANS TYPE L-1 OBJECT MARKER PER CALTRANS STANDARD PLAN A73A WITH METAL POST PER STANDARD PLAN A73B. NEW MARKER SHALL BE PLACED IN FRONT OF THE OBSTRUCTION; LOCATION SHALL BE APPROVED BY THE ENGINEER.
 - (D9) EXTEND PIPE TO A MINIMUM OF 3- FEET OUTSIDE OF THE EDGE OF TRAVELED WAY.
 - (D31) CAUTION - OVERHEAD UTILITY LINES.



CULVERT OUTFALL LOCATED NORTH OF HORSESHOE BAR ROAD (LOOKING NORTH)



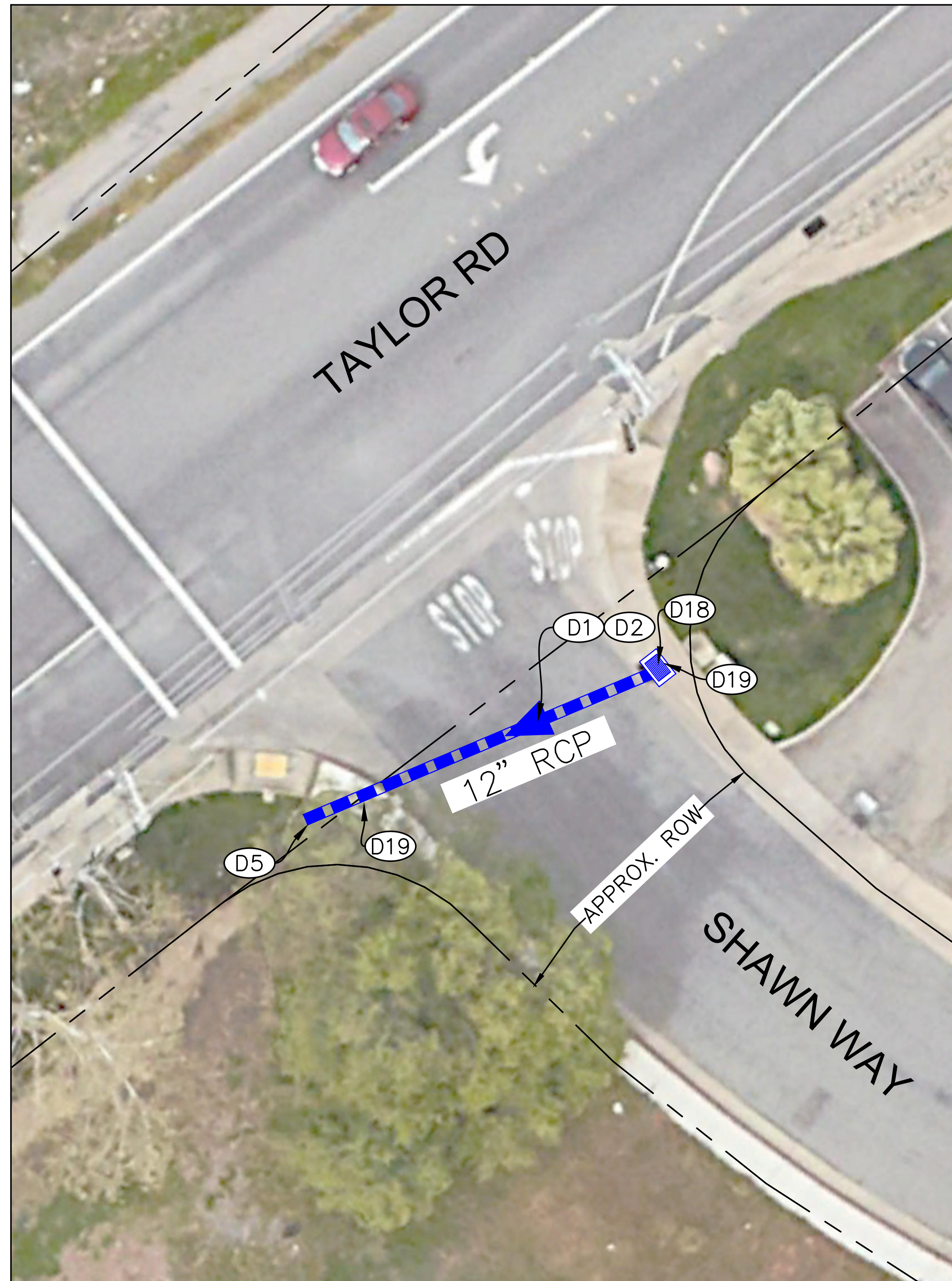
CULVERT INLET LOCATED SOUTH OF HORSESHOE BAR ROAD (LOOKING NORTH)

BID SET
DATE: FEBRUARY 2024

PREPARED UNDER THE DIRECTION OF <i>Laurie M. Loaiza</i> LAURIE M. LOAIZA, RCE 65951 DATE 08/29/23 DESIGNED BY EC DRAWN BY KAS REVIEWED BY LML
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TOWN OF LOOMIS STREET CULVERT CROSSING RECONSTRUCTION CALIFORNIA LOCATION #19 - HORSESHOE BAR ROAD WEST OF TWIN PALMS ROAD
PROJECT NUMBER 65-4923 DRAWING DATE AUGUST 2023 SHEET NUMBER 21 OF 30

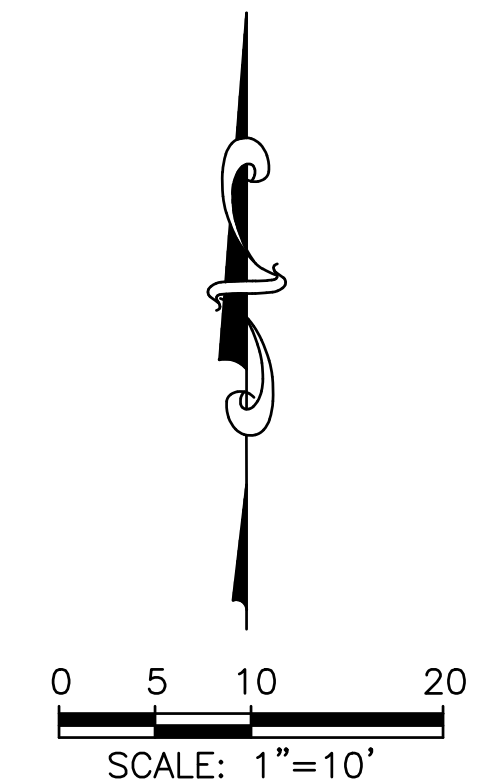
FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

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LOCATION #22 - SHAWN WAY AT TAYLOR ROAD

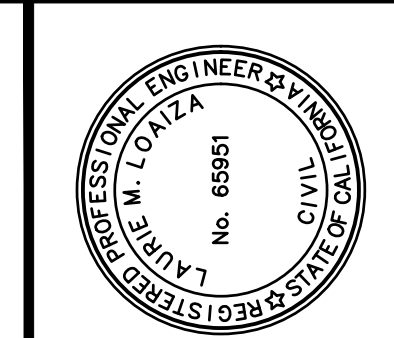
- CONSTRUCTION NOTES**
- (D1) REMOVE EXISTING 12" CMP AND INSTALL APPROXIMATELY 55 LF OF 12" HDPE STORM DRAIN PIPE. SLOPE TO DRAIN AT MINIMUM 0.5% OR MATCH EXISTING SLOPE, WHICHEVER IS GREATER. INFORM ENGINEER IF MINIMUM SLOPE OF 0.5% IS NOT ACHIEVABLE.
 - (D2) TRENCH PAVING PER DETAIL 3. REPLACE STRIPING IN KIND.
 - (D5) INSTALL OUTLET PROTECTION PER DETAIL 2.
 - (D15) RAISE END OF PIPE UP 12". CONTRACTOR SHALL VERIFY THAT RAISING THE DOWNSTREAM END OF THE PIPE STILL ALLOWS FOR POSITIVE DRAINAGE. IF A MINIMUM SLOPE OF 0.5% CAN NOT BE PROVIDED, CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
 - (D16) REMOVE EXISTING ROCK 5- FEET IN EACH DIRECTION AND PLACE CLASS 8 GEOTEXTILE FABRIC AND CLASS I (6") ROCK SLOPE PROTECTION IN ACCORDANCE WITH SECTION 72 OF THE CALTRANS STANDARD SPECIFICATIONS TO THE EXTENTS OF EXISTING ROCK REMOVAL. EXISTING ROCK MAY BE REUSED AT ENGINEER'S DISCRETION.
 - (D18) CONNECT NEW PIPE TO EXISTING STRUCTURE PER DETAIL 6.
 - (D19) SAWCUT EXISTING CURB, GUTTER, AND SIDEWALK (AS APPLICABLE) AT NEAREST SCORE LINE ON EACH SIDE OF PIPE AND REPLACE PER TOWN OF LOOMIS STANDARD DETAIL H2. DOWEL NEW CONCRET TO EXISTING PER DETAIL 7.



STRUCTURE LOCATED NORTH OF SHAWN WAY RD (LOOKING NORTH)



OUTFALL LOCATED SOUTH OF SHAWN WAY RD (LOOKING NORTH)



PREPARED UNDER THE DIRECTION OF
Laurie M. Loaza
 LAURIE M. LOAZA, RCE 65951 DATE: 08/29/23
 DESIGNED BY: EC DRAWN BY: KAS REVIEWED BY: LML

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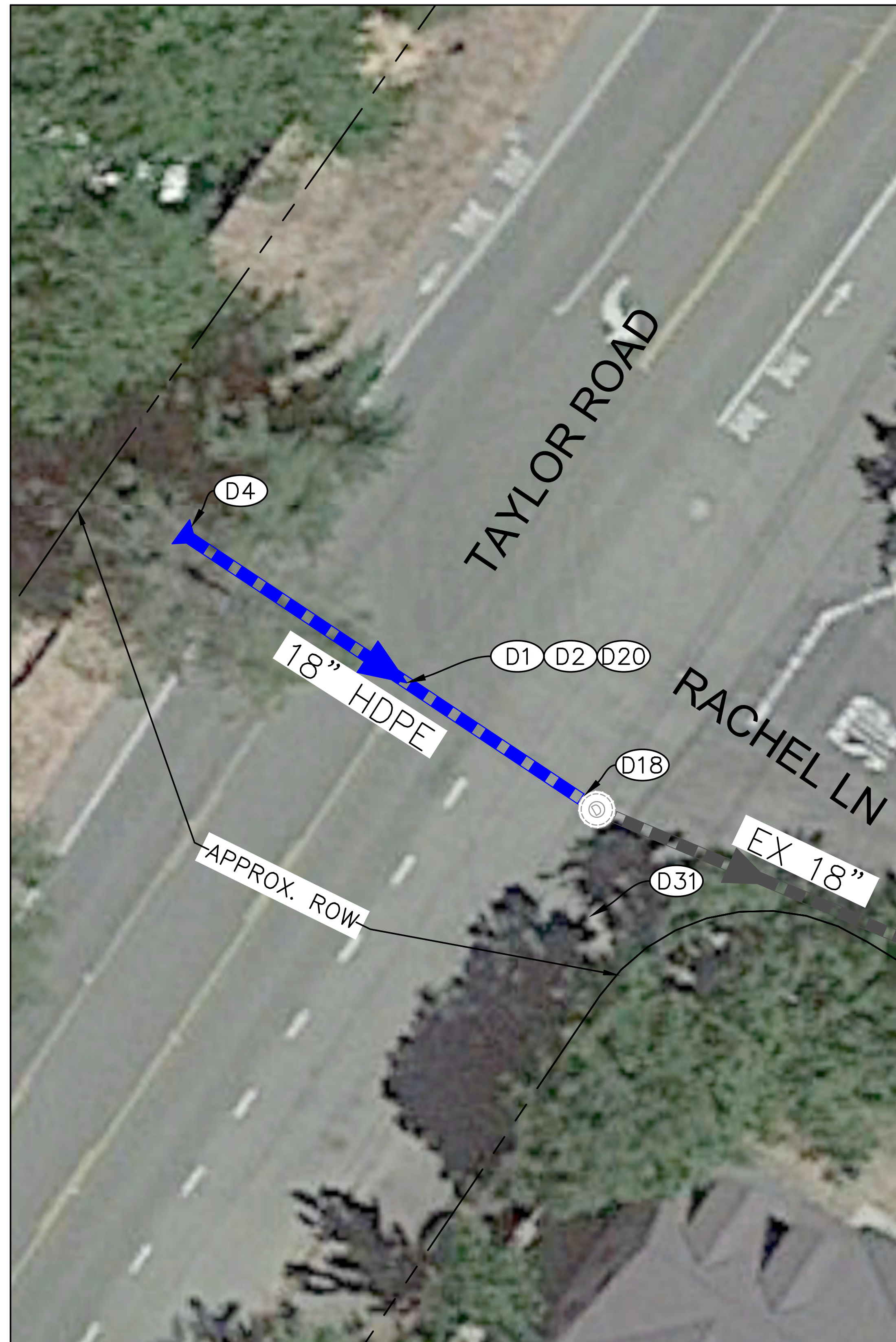
TOWN OF LOOMIS
 STREET CULVERT CROSSING RECONSTRUCTION
 CALIFORNIA
 LOCATION #22 - SHAWN WAY AT TAYLOR ROAD

PROJECT NUMBER: 65-4923
 DRAWING DATE: AUGUST 2023
 SHEET NUMBER: 22 OF 30

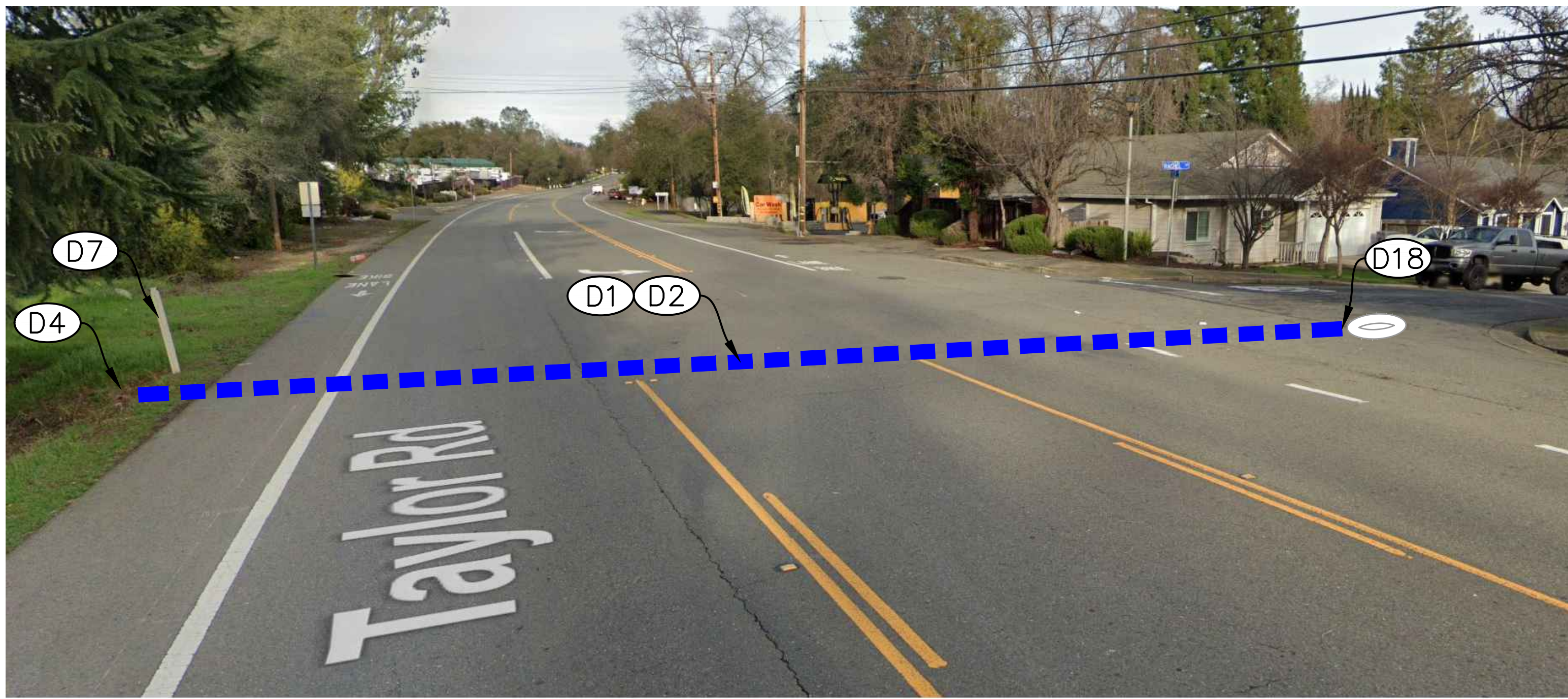
BID SET
 DATE: FEBRUARY 2024

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

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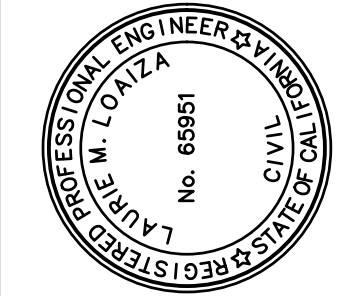
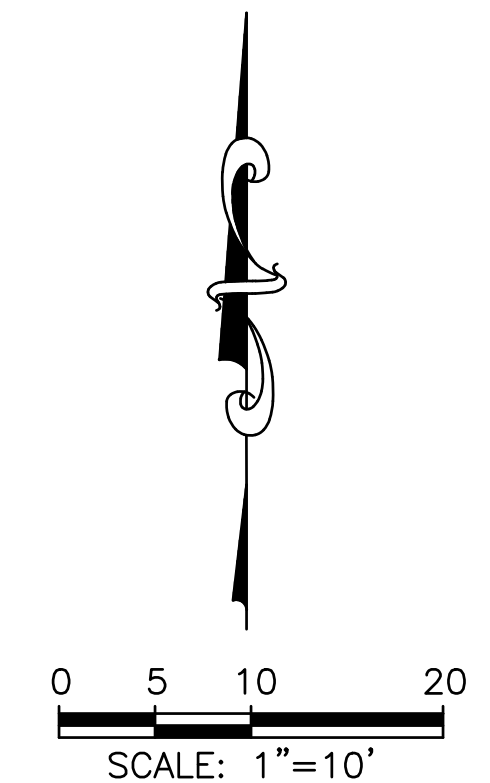


LOCATION #23 - TAYLOR ROAD AT RACHEL LANE



CULVERT CROSSING LOCATED ACROSS TAYLOR ROAD JUST WEST OF RACHEL LANE

- CONSTRUCTION NOTES**
- (D1) REMOVE EXISTING 18" CMP AND INSTALL APPROXIMATELY 70 LF OF 18" HDPE STORM DRAIN PIPE. SLOPE TO DRAIN AT MINIMUM 0.5% OR MATCH EXISTING SLOPE, WHICHEVER IS GREATER. INFORM ENGINEER IF MINIMUM SLOPE OF 0.5% IS NOT ACHIEVABLE.
 - (D2) TRENCH PAVING PER DETAIL 3. REPLACE STRIPING IN KIND.
 - (D4) INSTALL INLET PROTECTION WITH FES PER DETAIL 2.
 - (D7) REMOVE EXISTING MARKER (IF APPLICABLE) AND INSTALL CALTRANS TYPE L-1 OBJECT MARKER PER CALTRANS STANDARD PLAN A73A WITH METAL POST PER STANDARD PLAN A73B. NEW MARKER SHALL BE PLACED IN FRONT OF THE OBSTRUCTION; LOCATION SHALL BE APPROVED BY THE ENGINEER.
 - (D18) CONNECT NEW PIPE TO EXISTING STRUCTURE PER DETAIL 6.
 - (D31) CAUTION - OVERHEAD UTILITY LINES.



PREPARED UNDER THE DIRECTION OF
Laurie M. Loaiza
 LAURIE M. LOAIZA, RCE 65951 DATE 08/29/23
 DESIGNED BY EC DRAWN BY KAS REVIEWED BY LML

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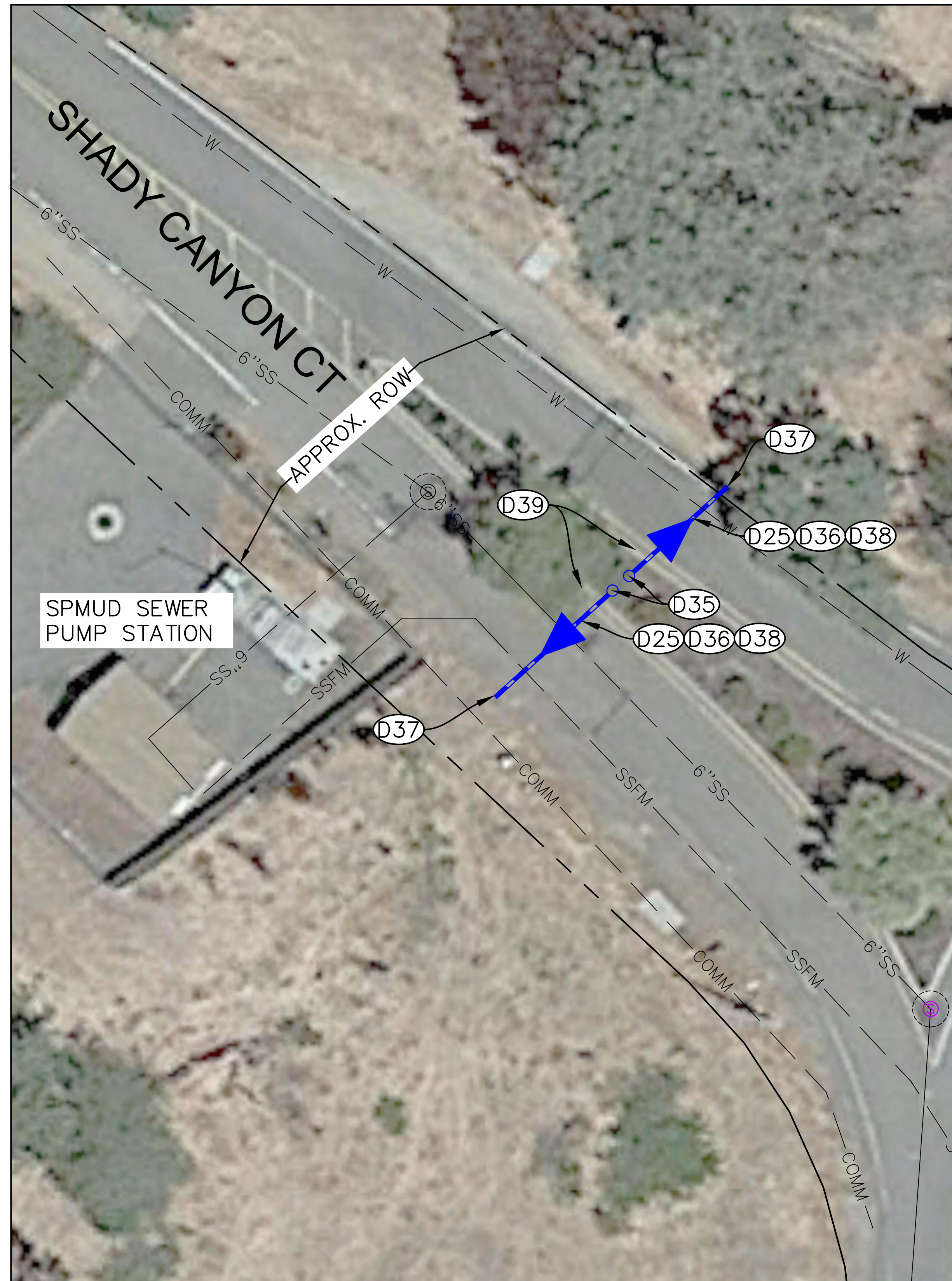
TOWN OF LOOMIS
 STREET CULVERT CROSSING RECONSTRUCTION
 CALIFORNIA
LOCATION #23 - TAYLOR ROAD AT RACHEL LANE

PROJECT NUMBER 65-4923
 DRAWING DATE AUGUST 2023
 SHEET NUMBER 23 OF 30

BID SET
 DATE: FEBRUARY 2024

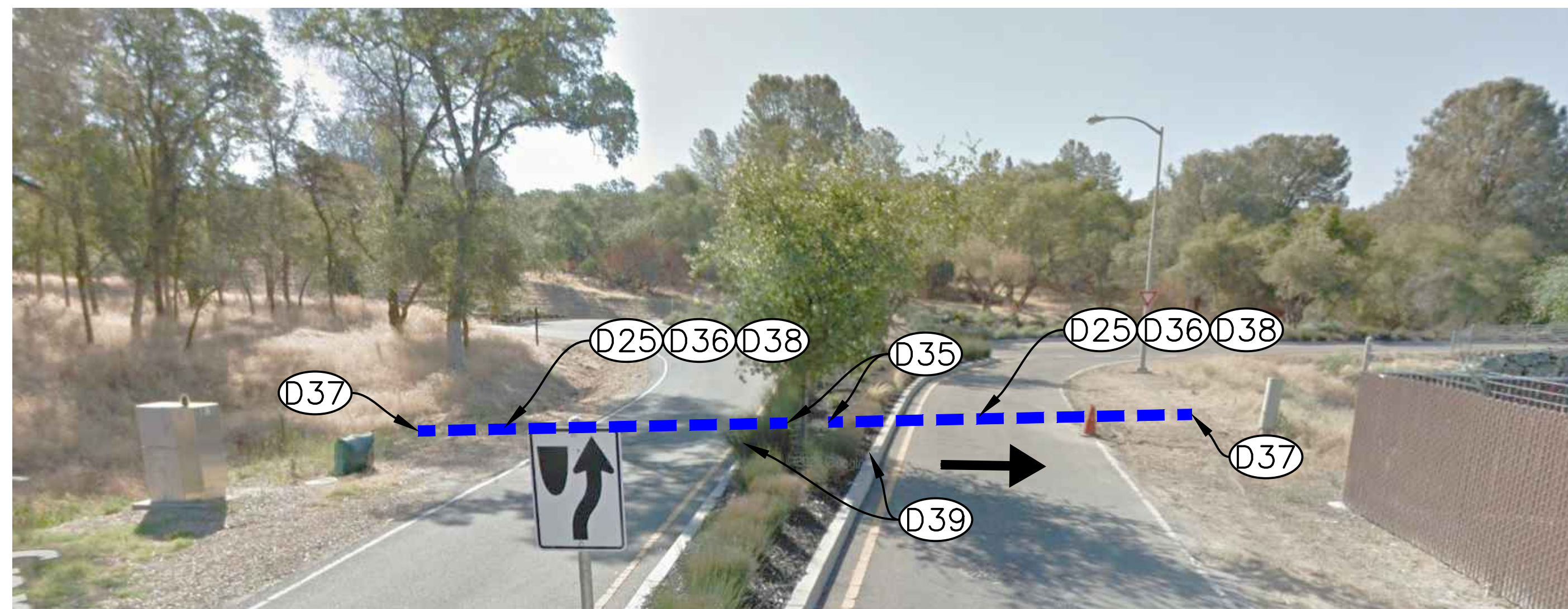
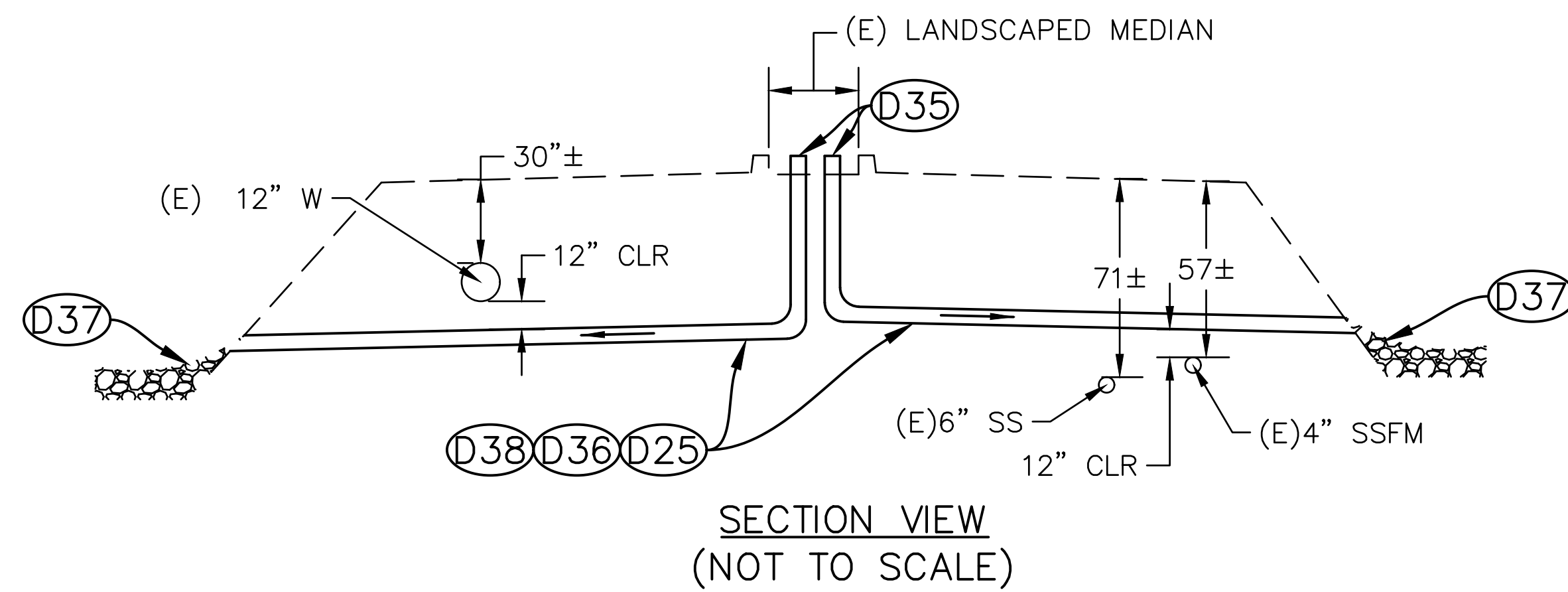
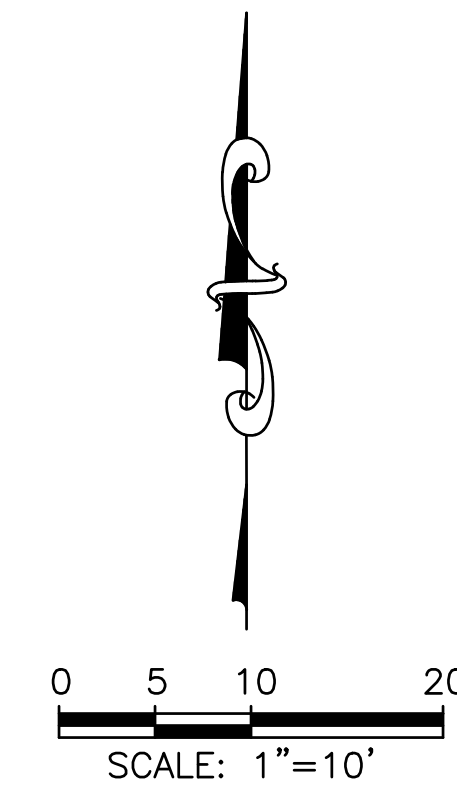
FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

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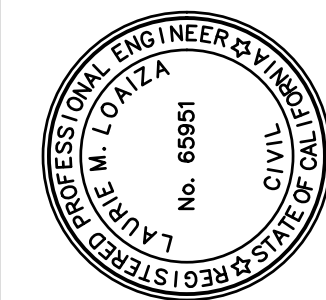


LOCATION #24 - SHADY CANYON COURT

- CONSTRUCTION NOTES**
- D25 PLACE 25 LF OF 6" DIAMETER PAVEMENT UNDERDRAIN PER DETAIL 10.
 - D35 INSTALL RISER IN LANDSCAPE ISLAND PER DETAIL 10.
 - D36 PAVEMENT DRAIN LOCATION IS APPROXIMATE. PAVEMENT DRAIN TO BE LOCATED IN CLOSE PROXIMITY TO EXISTING SEASONAL GROUNDWATER SEEPAGE. CONTRACTOR TO VERIFY EXACT LOCATION IN FIELD WITH TOWN BEFORE COMMENCING CONSTRUCTION. INTENT IS TO PLACE TWO PAVEMENT DRAINS PARALLEL TO EACH OTHER.
 - D37 PLACE ROCK AT EITHER END OF UNDERDRAIN PER DETAIL 2.
 - D38 EXISTING UTILITIES ARE IN CLOSE PROXIMITY TO ANTICIPATED EXCAVATIONS. DRAINS TO BE INSTALLED IN A LOCATION SUCH THAT CONFLICTS WITH EXISTING UTILITIES ARE AVOIDED.
 - D39 SAWCUT AND REPLACE EXISTING CURB. DOWEL TO EXISTING CURB PER DETAIL 7. REPLACE EXISTING LANDSCAPE IN KIND.



SHADY CANYON COURT LOOKING EAST TOWARD RUTHERFORD CANYON ROAD



PREPARED UNDER THE DIRECTION OF
Laurie M. Loaza
 LAURIE M. LOAZA, RCE 65951 DATE 08/29/23
 DESIGNED BY EC DRAWN BY KAS REVIEWED BY LML

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CALIFORNIA

TOWN OF LOOMIS
 STREET CULVERT CROSSING RECONSTRUCTION
 TOWN OF LOOMIS
LOCATION #24 - SHADY CANYON COURT

PROJECT NUMBER
65-4923

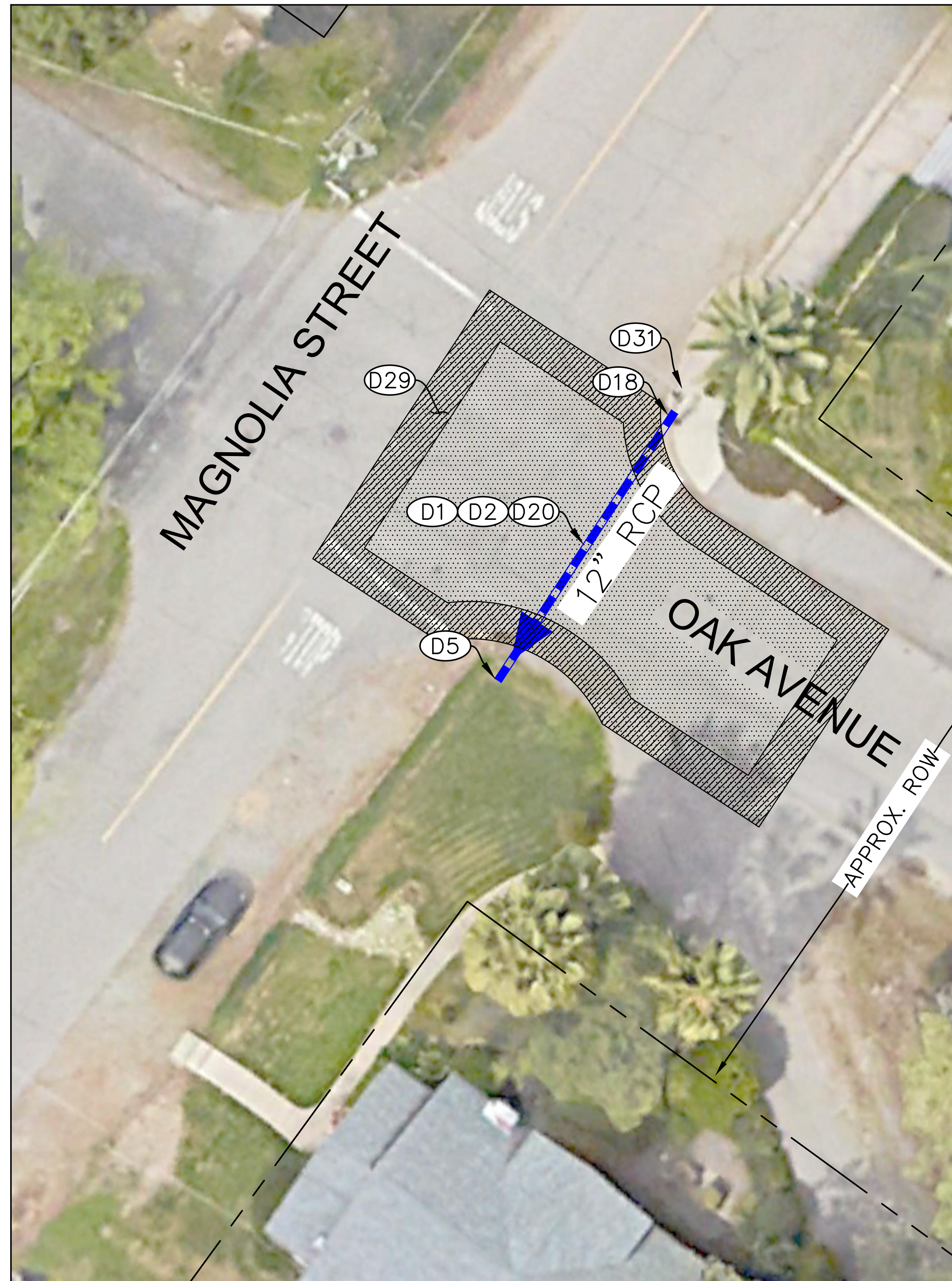
DRAWING DATE
AUGUST 2023

SHEET NUMBER
24 OF 30

BID SET
 DATE: FEBRUARY 2024

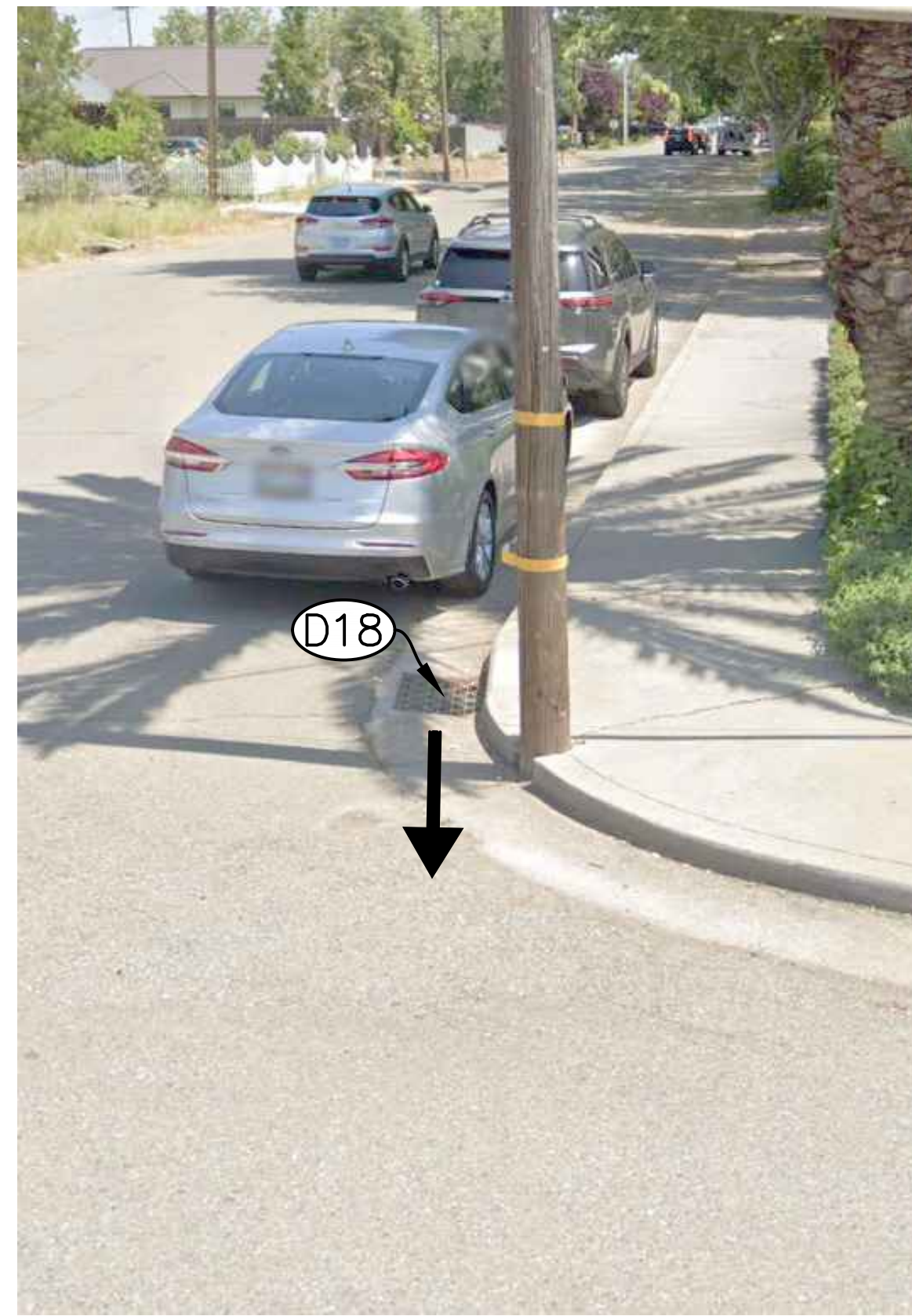
FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

Path: F:\Civil_3D\Projects\654923-Reconstruction\DWG\654923-SP.dwg Layout Name: Loc#25_Plot Date: Aug 29, 2023 at 12:55 pm

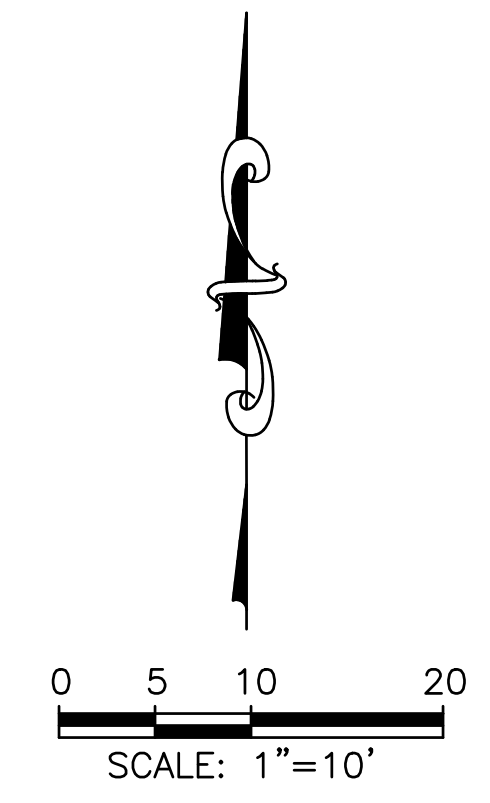


LOCATION #25 - MAGNOLIA AVENUE AND OAK AVENUE

- CONSTRUCTION NOTES**
- (D1) REMOVE EXISTING 12" CMP AND INSTALL APPROXIMATELY 45 LF OF 12" RCP STORM DRAIN PIPE. SLOPE TO DRAIN AT MINIMUM 0.5% OR MATCH EXISTING SLOPE, WHICHEVER IS GREATER. INFORM ENGINEER IF MINIMUM SLOPE OF 0.5% IS NOT ACHIEVABLE.
 - (D2) CONCRETE CAP AND TRENCH PAVING PER DETAIL 4. REPLACE STRIPING IN KIND.
 - (D5) INSTALL OUTLET PROTECTION PER DETAIL 2.
 - (D18) CONNECT NEW PIPE TO EXISTING STRUCTURE PER DETAIL 6.
 - (D20) IF PIPE COVER IS LESS THAN 3-FEET, DETAIL 4 SHALL BE USED IN LIEU OF DETAIL 3.
 - (D29) BUILD UP ROAD SECTION PER DETAIL 11 TO PROVIDE A MINIMUM OF 10" OF COVER OVER BELL END OF RCP. PROVIDE 5-FT WEDGE GRIND TO CONFORM ON EITHER SIDE OF PAVING AREA. LIMITS SHOWN ARE APPROXIMATE, CONTRACTOR SHALL VERIFY LIMITS WITH THE TOWN PRIOR TO BEGINNING WORK AT THIS SITE. REPLACE STRIPING.
 - (D31) CAUTION - OVERHEAD UTILITY LINES.



CATCH BASIN NORTH OF OAK AVENUE (LOOKING NORTH)

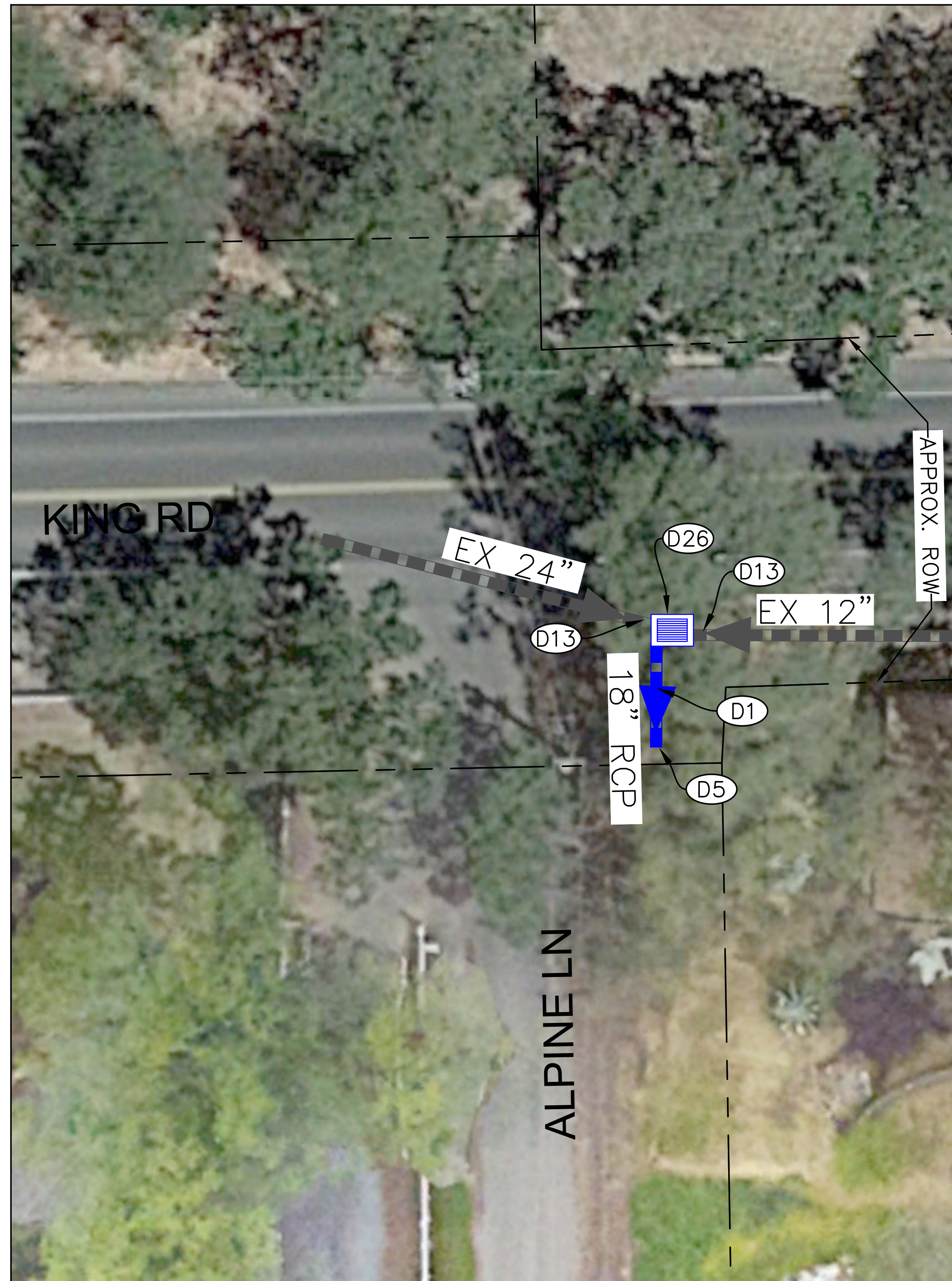


BID SET
DATE: FEBRUARY 2024

PREPARED UNDER THE DIRECTION OF <i>Laurie M. Loaza</i> LAURIE M. LOAZA, RCE 65951 DATE 08/29/23 DESIGNED BY EC DRAWN BY KAS REVIEWED BY LML
COASTLAND BECM 11641 Blocker Dr, Ste 170 Auburn, CA 95603 530.888.9929 coastlandcivil.com
TOWN OF LOOMIS STREET CULVERT CROSSING RECONSTRUCTION CALIFORNIA LOCATION #25 - MAGNOLIA AVENUE AND OAK AVENUE
PROJECT NUMBER 65-4923
DRAWING DATE AUGUST 2023
SHEET NUMBER 25 OF 30

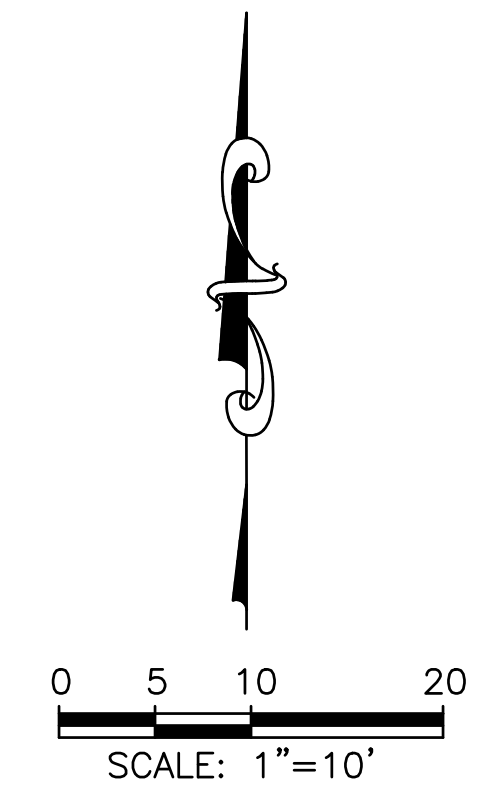
FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

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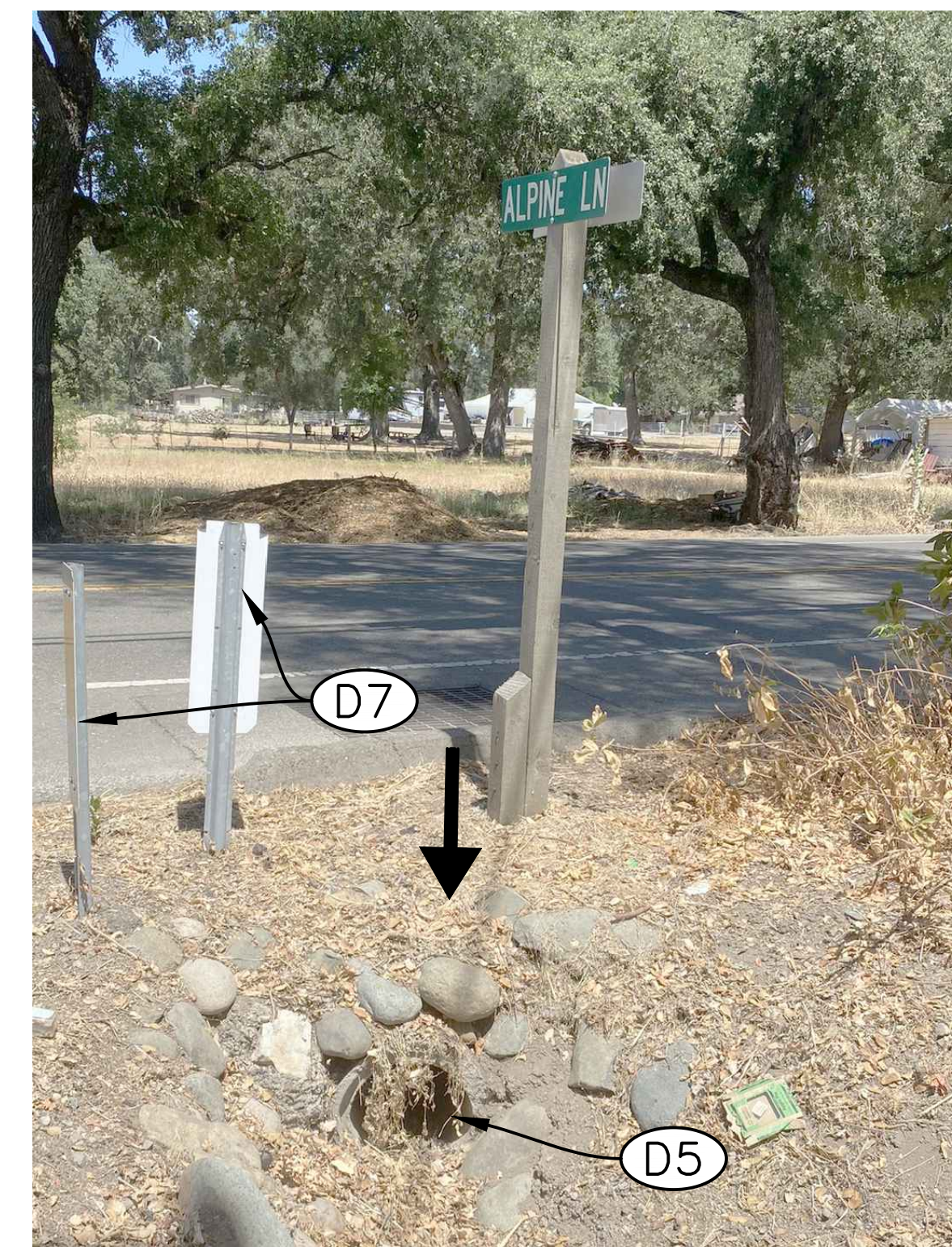


LOCATION #26 - KING ROAD AND ALPINE LANE

- CONSTRUCTION NOTES**
- (D1) REMOVE EXISTING RCP AND INSTALL APPROXIMATELY 15 LF OF 18" RCP STORM DRAIN PIPE. SLOPE TO DRAIN AT MINIMUM 0.5% OR MATCH EXISTING SLOPE, WHICHEVER IS GREATER. INFORM ENGINEER IF MINIMUM SLOPE OF 0.5% IS NOT ACHIEVABLE.
 - (D5) INSTALL OUTLET PROTECTION PER DETAIL 2.
 - (D7) REMOVE EXISTING MARKER (IF APPLICABLE) AND INSTALL CALTRANS TYPE L-1 OBJECT MARKER PER CALTRANS STANDARD PLAN A73A WITH METAL POST PER STANDARD PLAN A73B. NEW MARKER SHALL BE PLACED IN FRONT OF THE OBSTRUCTION; LOCATION SHALL BE APPROVED BY THE ENGINEER.
 - (D13) PROTECT EXISTING PIPE IN PLACE.
 - (D26) REMOVE EXISTING STORM DRAIN INLET. SAW CUT AND REMOVE EXISTING AC DIKE AND INSTALL NEW INLET WITH GRATE PER CALTRANS STANDARD DETAIL D77B AND CURB INLET PER DETAIL 9. INLET SHALL BE AS NEEDED TO ACCOMMODATE EXISTING PIPES (APPROXIMATELY 30"X40"). EXISTING BOX IS APPROXIMATELY 32" DEEP.



CATCH BASIN SOUTH OF KING ROAD (LOOKING EAST)



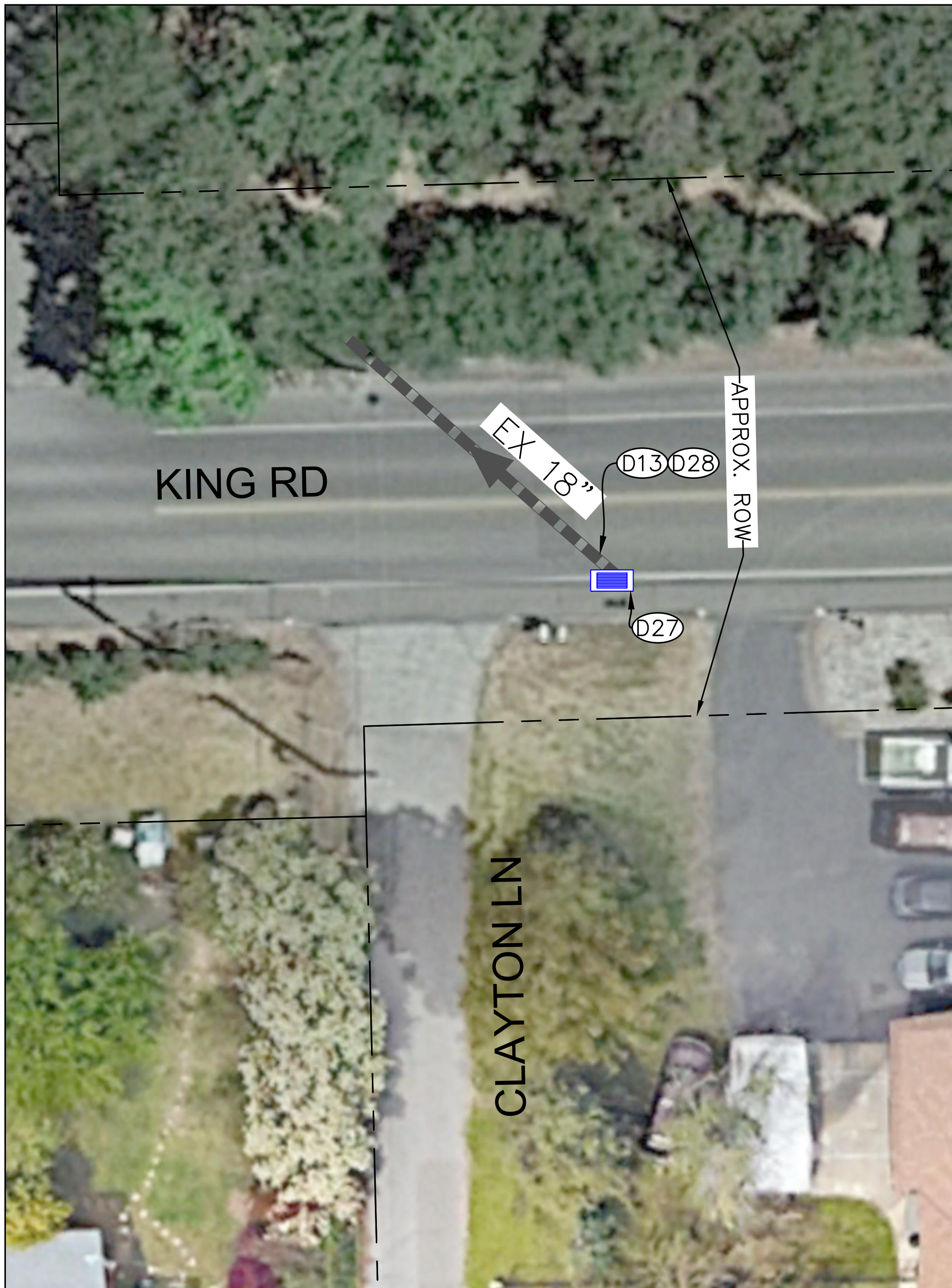
STORM DRAIN OUTFALL SOUTH OF KING ROAD (LOOKING NORTH)

BID SET
DATE: FEBRUARY 2024

PREPARED UNDER THE DIRECTION OF <i>Laurie M. Loaza</i> LAURIE M. LOAZA, RCE 65951 DATE 08/29/23 DESIGNED BY EC DRAWN BY KAS REVIEWED BY LML
COASTLAND BECM 11641 Blocker Dr, Ste 170 Auburn, CA 95603 530.888.9929 coastlandcivil.com
TOWN OF LOOMIS STREET CULVERT CROSSING RECONSTRUCTION CALIFORNIA LOCATION #26 - KING ROAD AND ALPINE LN
PROJECT NUMBER 65-4923 DRAWING DATE AUGUST 2023 SHEET NUMBER 26 OF 30

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

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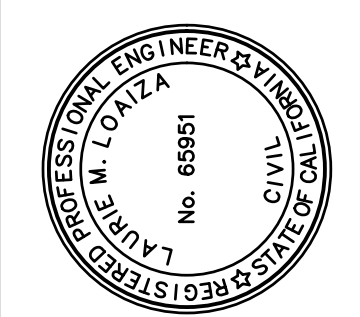
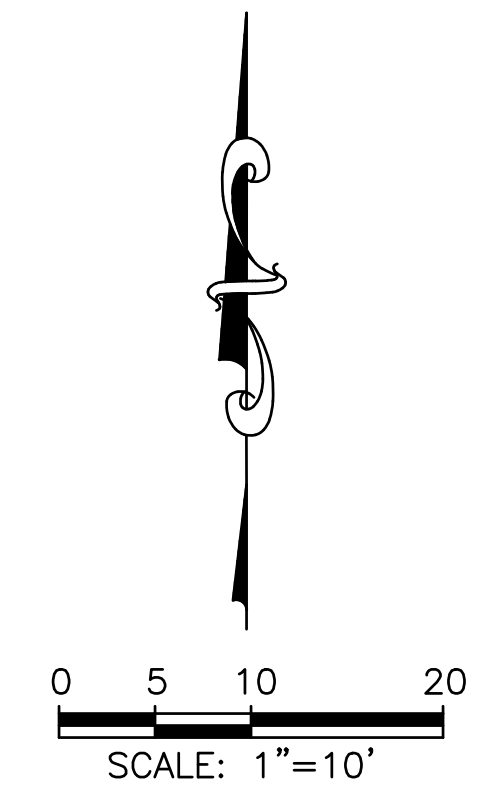


LOCATION #27 - 5344 KING ROAD



CATCH BASIN SOUTH OF KING (LOOKING EAST)

- CONSTRUCTION NOTES**
- (D13) PROTECT EXISTING PIPE IN PLACE.
 - (D27) REMOVE EXISTING STORM DRAIN INLET. SAW CUT AND REMOVE EXISTING AC DIKE AND INSTALL NEW JUNCTION BOX WITH GRATE PER CALTRANS STANDARD DETAIL D77B AND CURB INLET PER DETAIL 9. JUNCTION BOX SIZE SHALL BE AS NEEDED TO ACCOMMODATE EXISTING PIPES (APPROXIMATELY 20"X40"). EXISTING BOX IS APPROXIMATELY 20" DEEP.
 - (D28) RECONNECT ALL PIPES TO NEW INLET.



PREPARED UNDER THE DIRECTION OF
Laurie M. Loaza
 LAURIE M. LOAZA, RCE 65951 DATE 08/29/23
 DESIGNED BY EC DRAWN BY KAS REVIEWED BY LML

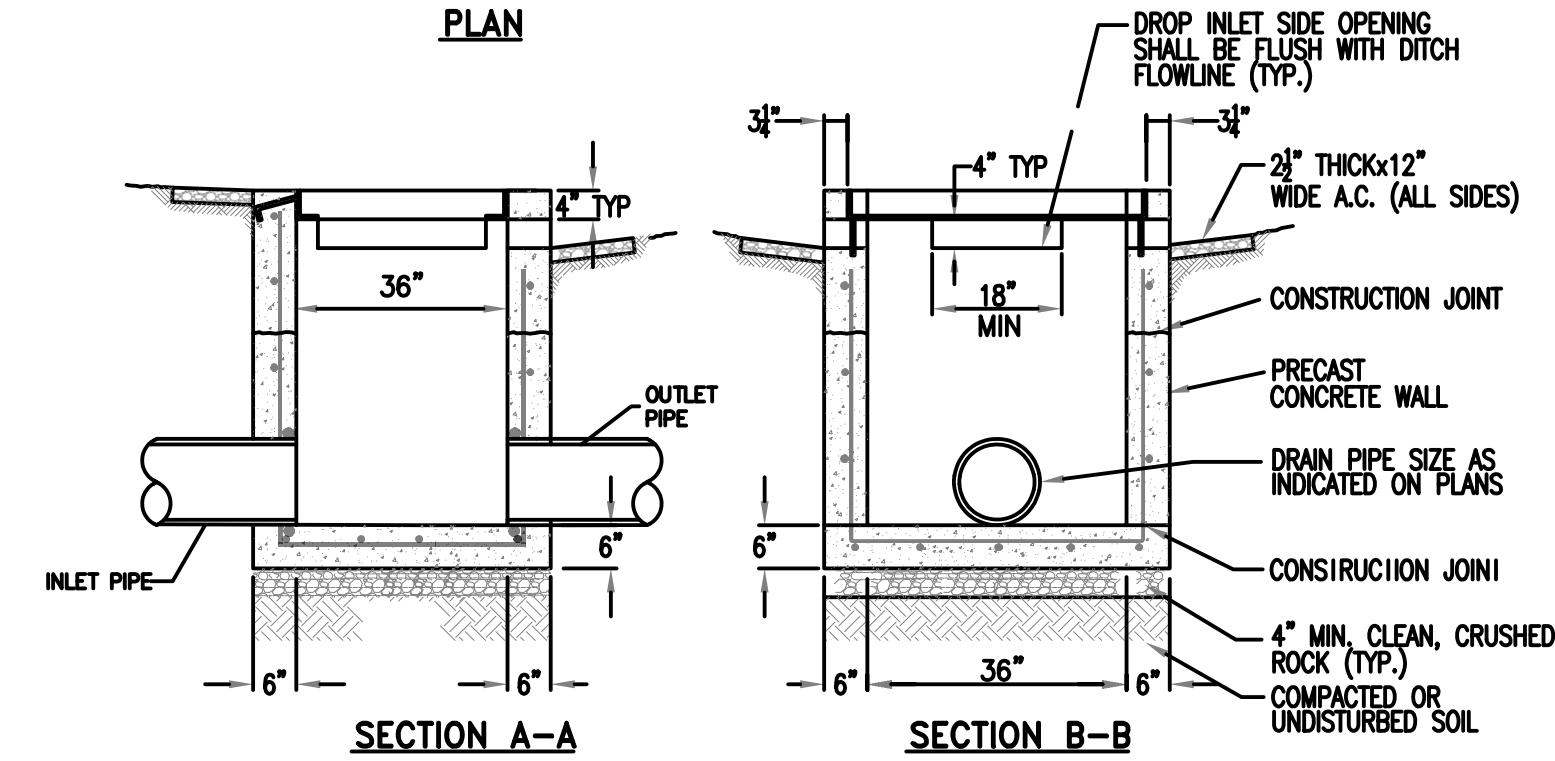
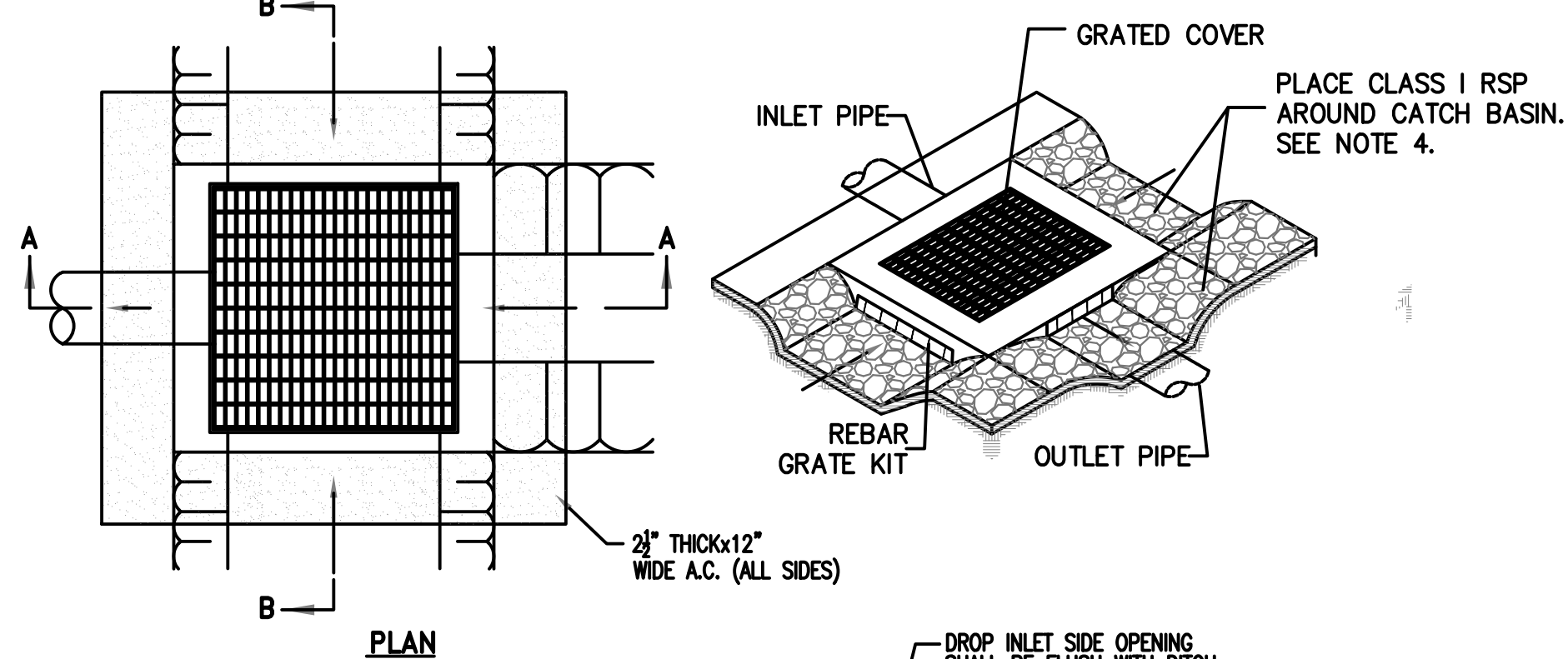
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TOWN OF LOOMIS
 STREET CULVERT CROSSING RECONSTRUCTION
 CALIFORNIA
 LOCATION #27 - 5344 KING ROAD

PROJECT NUMBER 65-4923
 DRAWING DATE AUGUST 2023
 SHEET NUMBER 27 OF 30

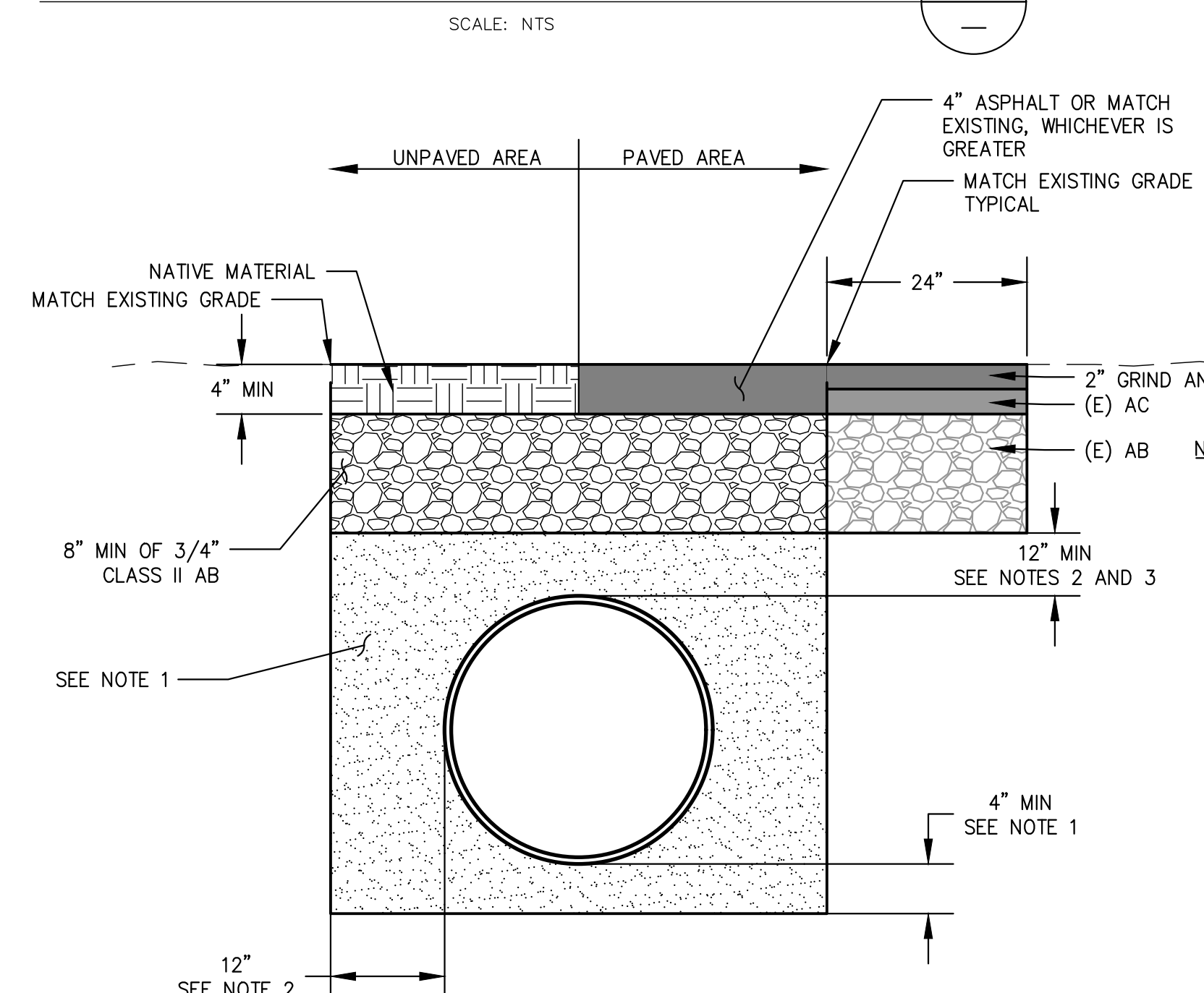
BID SET
 DATE: FEBRUARY 2024

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES



- NOTES:**
- THERE SHALL BE A SIDE INLET FACING EACH CHANNEL THAT DISCHARGES TO THE BOX OR AS DIRECTED BY THE ENGINEER AND A GRATE COVERED TOP OPENING. MINIMUM OF TWO SIDE INLETS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 - DRAIN INLET SHALL BE OLDCASTLE 36"X36" TYPE "E" INLET WITH FRAME AND GRATE ACCESS OR APPROVED EQUAL. BOX SHALL HAVE THINWALL KNOCKOUTS FOR 24" RCP OR SMALLER ON ALL FOUR WALLS.
 - DRAIN INLET SHALL BE RATED FOR H2O LOADING AND SHALL BE APPROVED BY THE ENGINEER.
 - PLACE CLASS 8 GEOTEXTILE FABRIC AND CLASS 1 (6") ROCK SLOPE PROTECTION IN ACCORDANCE WITH SECTION 72 OF THE CALTRANS STANDARD SPECIFICATIONS.
 - GROUT CONNECTIONS TO EXISTING AND NEW PIPES WITH NON-SHRINK GROUT.
 - PROVIDE PRODUCT SUBMITTAL FOR CATCH BASIN AND COVER TO TOWN ENGINEER FOR APPROVAL.

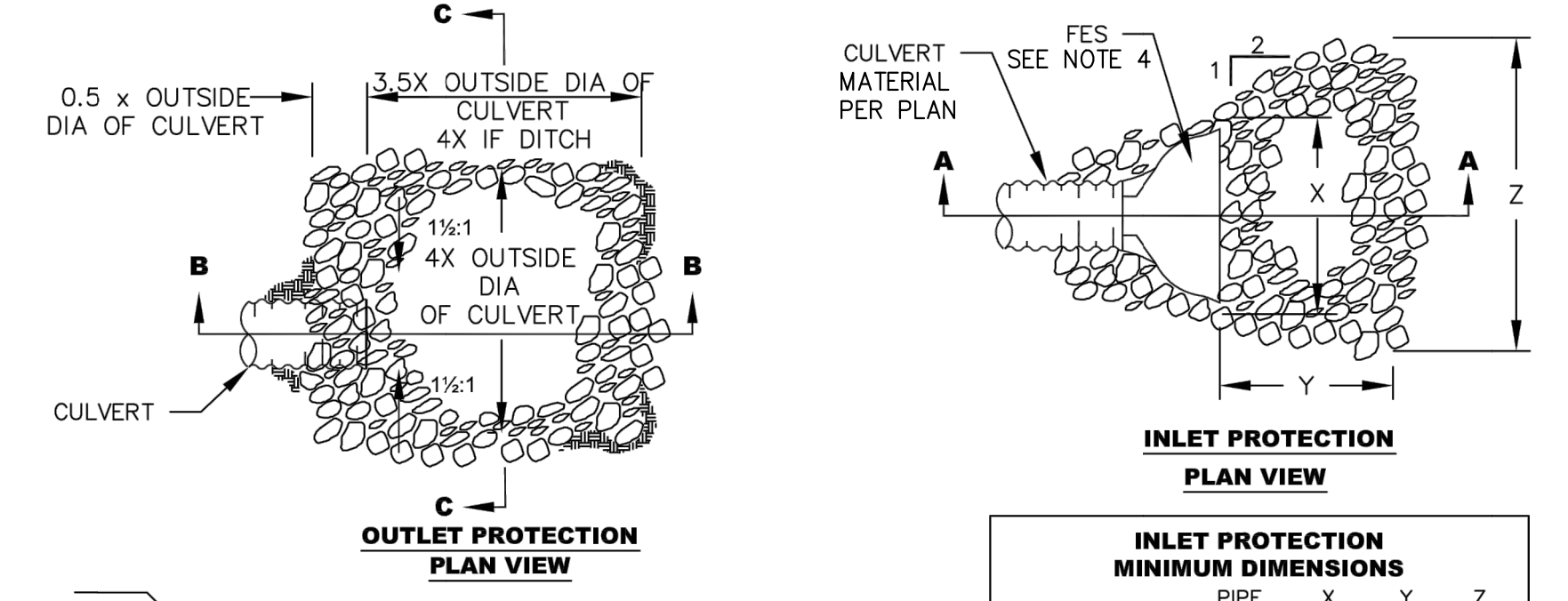
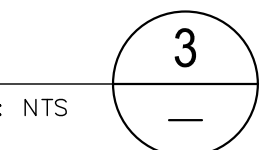
36"X36" BUBBLE UP CATCH BASIN



- NOTES:**
- BEDDING AND PIPE ZONE BACKFILL SHALL BE ONE OF THE FOLLOWING:
 CLASS 2 AGGREGATE BASE COMPACTED TO 95% RC PER CALTRANS STANDARD SPECIFICATIONS
 3/4" MINUS SCREENED CRUSHED ROCK WITH A MINIMUM SAND EQUIVALENT OF 30 PER CRM217, WRAPPED IN A LAYER OF GEOTEXTILE FABRIC AND FREE OF WOOD, ROOTS AND OTHER MATERIAL
 CLSM PLACED IN TWO LIFTS - FIRST TO SPRINGLINE TO PREVENT FLOATING; TRENCH WIDTH CAN BE REDUCED TO 6" ON EACH SIDE OF THE PIPE IF CLSM IS USED.
 - DIMENSION CAN BE REDUCED TO 6" FOR CLSM BACKFILL.
 - DIMENSION SHALL BE INCREASED TO 24" FOR CRUSHED ROCK BACKFILL.
 - SHOVEL SLICING TO BE USED ALONG WITH MECHANICAL (VIBRATORY) COMPACTION AT 12" MAX LOOSE LIFTS.
 - EXTREME CARE NEEDED TO AVOID DISPLACING HDPE PIPE DURING BACKFILL.

TRENCH DETAIL FOR PIPE INSTALLED WITH 2' MINIMUM COVER

SCALE: NTS



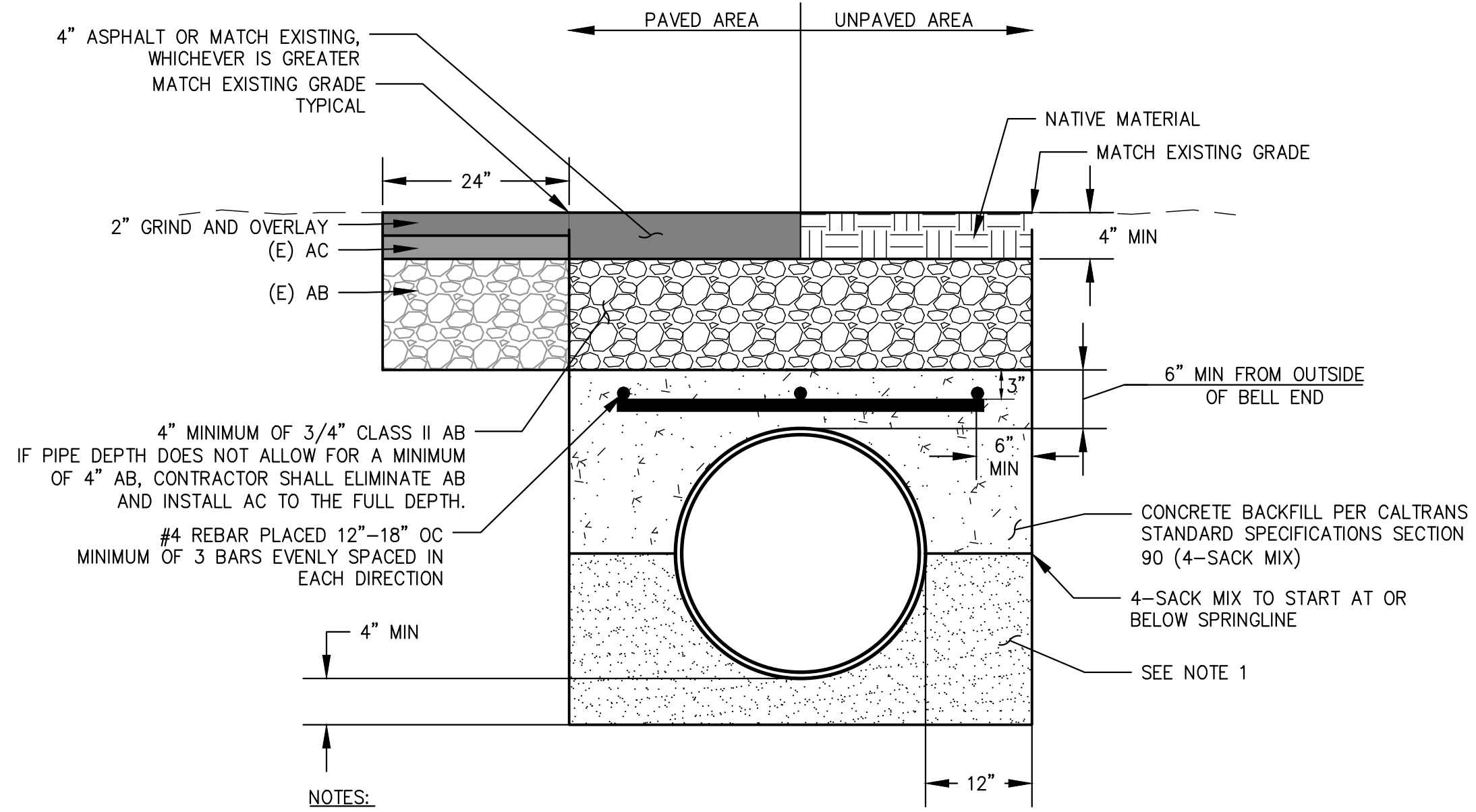
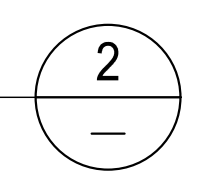
INLET PROTECTION MINIMUM DIMENSIONS

ROCK CLASS	PIPE Ø IN.	X FEET	Y FEET	Z FEET
NO. 1 BACKING	12	3	4	5
NO. 1 BACKING	15-18	4.5	6	7.5
NO. 1 BACKING	21-24	6	8	10
NO. 1 BACKING	27-30	7.5	10	12.5
NO. 1 BACKING	36	9	12	15
NO. 1 BACKING	42	10.5	14	17.5
NO. 1 BACKING	48	12	16	20

- NOTES:**
- HAND PLACE ROCKS.
 - IN ALL APPLICATIONS, PLACE CLASS 8 GEOTEXTILE FABRIC AND CLASS 1 (6") ROCK SLOPE PROTECTION IN ACCORDANCE WITH SECTION 72 OF THE CALTRANS STANDARD SPECIFICATIONS. ROCKS SHALL BE HAND PLACED.
 - FLARED END SECTION AND ROCK SLOPE PROTECTION SHALL BE SLOPED A MINIMUM OF 1% INTO OR OUT OF CULVERT.
 - FLARED END SECTION MATERIAL SHALL MATCH PIPE MATERIAL, EXCEPT PRECAST CONCRETE SHALL BE USED IN ALL CASES WHERE PIPE HAS LESS THAN 24" OF COVER.

INLET AND OUTLET PROTECTION

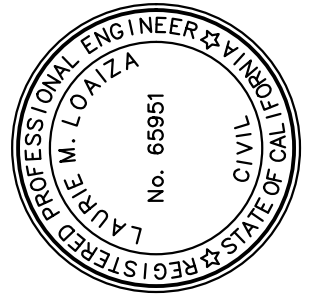
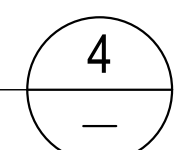
SCALE: NTS



- NOTES:**
- BEDDING AND PIPE ZONE BACKFILL SHALL BE ONE OF THE FOLLOWING:
 CLASS 2 AGGREGATE BASE COMPACTED TO 95% RC PER CALTRANS STANDARD SPECIFICATIONS
 3/4" MINUS SCREENED CRUSHED ROCK WITH A MINIMUM SAND EQUIVALENT OF 30 PER CRM217, WRAPPED IN A LAYER OF GEOTEXTILE FABRIC AND FREE OF WOOD, ROOTS AND OTHER MATERIAL
 CLSM; TRENCH WIDTH CAN BE REDUCED TO 6" ON EACH SIDE OF THE PIPE IF CLSM IS USED.
 - EXTREME CARE NEEDED TO AVOID DISPLACING HDPE PIPE DURING BACKFILL.
 - WHERE EXISTING CONDITIONS DO NOT ALLOW FOR FULL DEPTH OF AC OVER 6" CONCRETE CAP AS DETAILED DUE TO SHALLOW PIPE, CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.

CONCRETE CAP FOR PIPE WITH LESS THAN 2' OF COVER

SCALE: NTS



PREPARED UNDER THE DIRECTION OF
 LAURIE M. LOAIZA
 No. 65951
 CIVIL ENGINEER
 STATE OF CALIFORNIA

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TOWN OF LOOMIS
 STREET CULVERT CROSSING RECONSTRUCTION
 CALIFORNIA

DETAILS 1

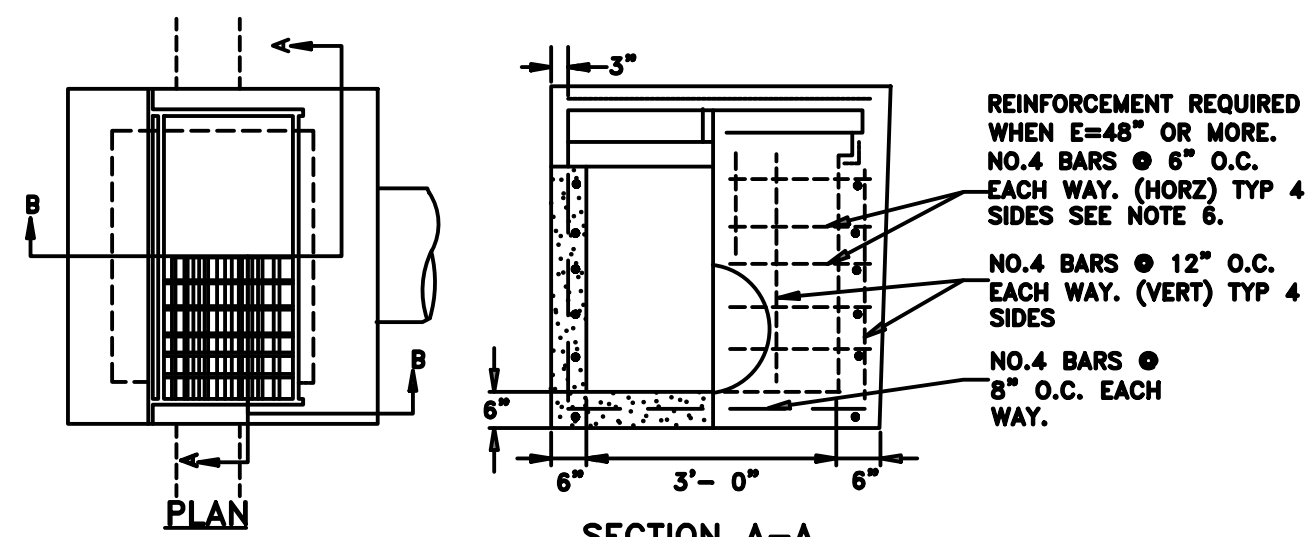
PROJECT NUMBER
 65-4923

DRAWING DATE
 AUGUST 2023

SHEET NUMBER
 28 OF 30

BID SET
 DATE: FEBRUARY 2024

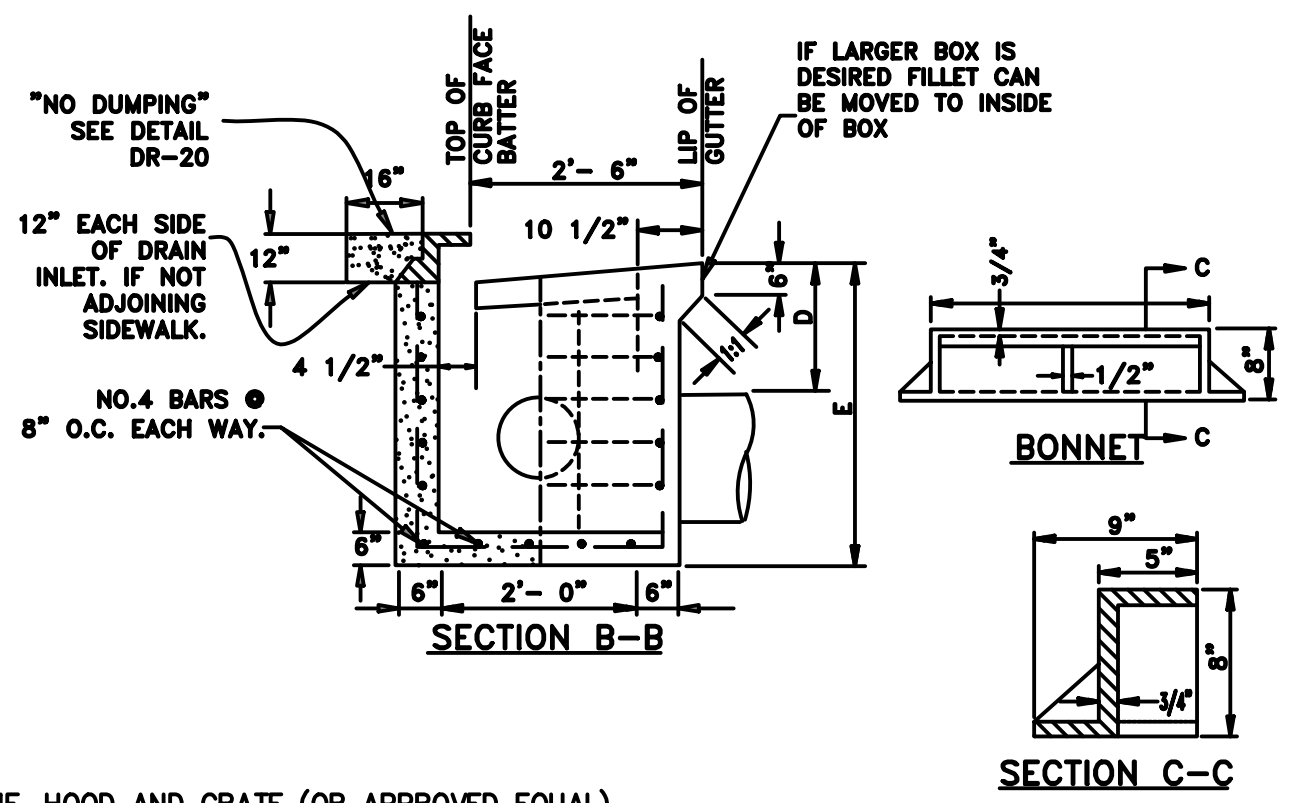
FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES



REINFORCEMENT REQUIRED WHEN E=48" OR MORE.
 NO.4 BARS @ 6" O.C. EACH WAY. (HORZ) TYP 4 SIDES SEE NOTE 8.
 NO.4 BARS @ 12" O.C. EACH WAY. (VERT) TYP 4 SIDES
 NO.4 BARS @ 8" O.C. EACH WAY.

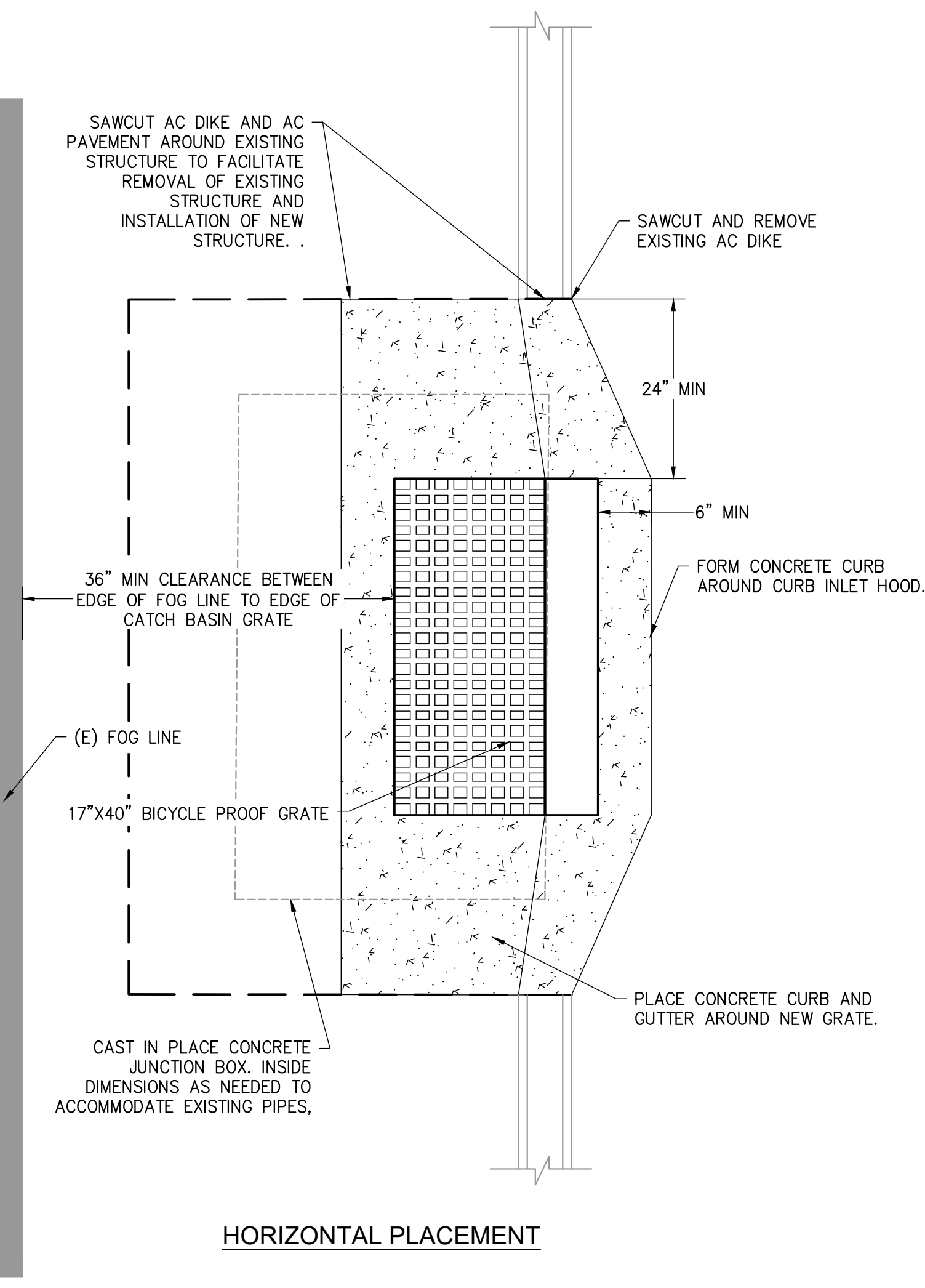
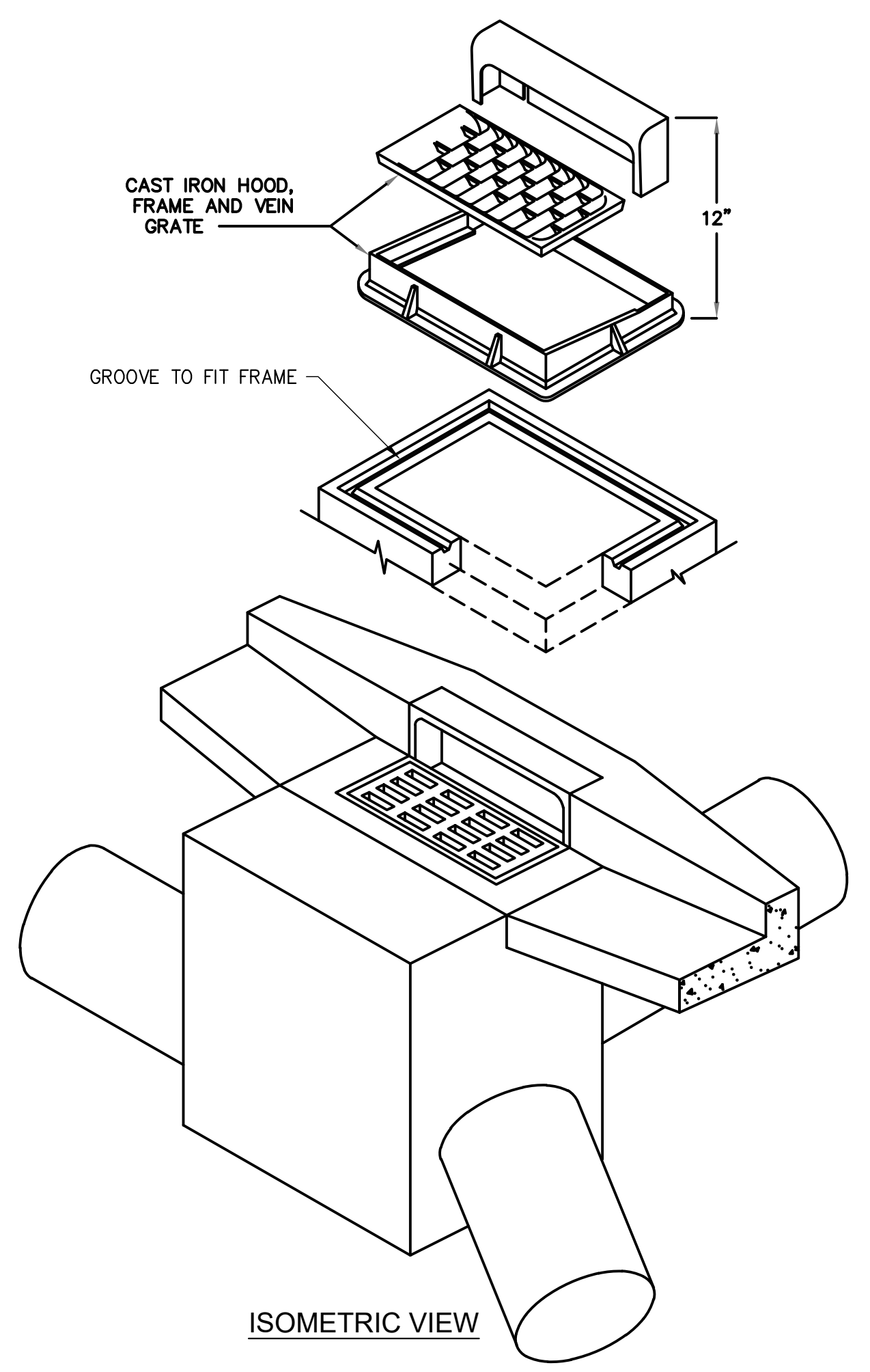
NOTES:

- DIMENSIONS D AND E MAY VARY.
- THE INSIDE SURFACE OF THE FRONT AND BACK WALLS OF THE CATCH BASIN SHALL NOT DEVIATE MORE THAN 2" IN ALIGNMENT FROM THE INSIDE SURFACE OF THE WALLS OF THE TOP INLET PORTION.
- SLOPE FLOOR 2" TO OUTLET.
- CONCRETE SHALL BE "MINOR CONCRETE" AS DESCRIBED IN THE SPECIFICATIONS.
- 6X6, 4 GAUGE WELDED WIRE FABRIC MAY BE USED IN LIEU OF #4 REBAR.
- ALL REINFORCEMENT SHALL BE GRADE 60.
- CURB TRANSITION LENGTH AND WIDTH FROM EACH SIDE OF DROP INLET SHALL BE 2- FEET MINIMUM.
- PIPE CONNECTIONS TO STRUCTURE SHALL BE MADE BY 12"x12" MINOR CONCRETE COLLARS.



FRAME, HOOD AND GRATE (OR APPROVED EQUAL).
 FRAME, GRATE, AND HOOD SHALL BE TRAFFIC RATED. GRATE SHALL BE "BICYCLE PROOF" AND PER CALTRANS STANDARD PLAN D77B.

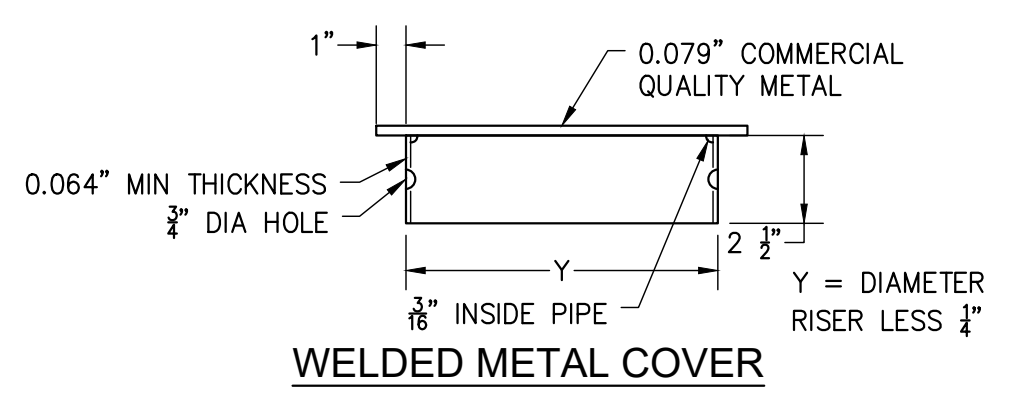
CAST IN PLACE BOX REINFORCEMENT



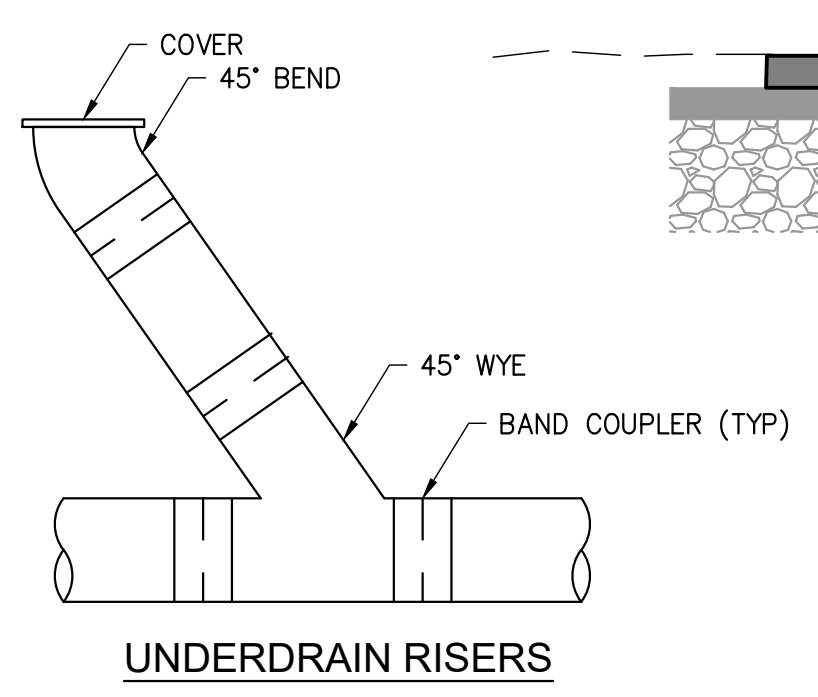
HORIZONTAL PLACEMENT

CAST IN PLACE CONCRETE CURB INLET

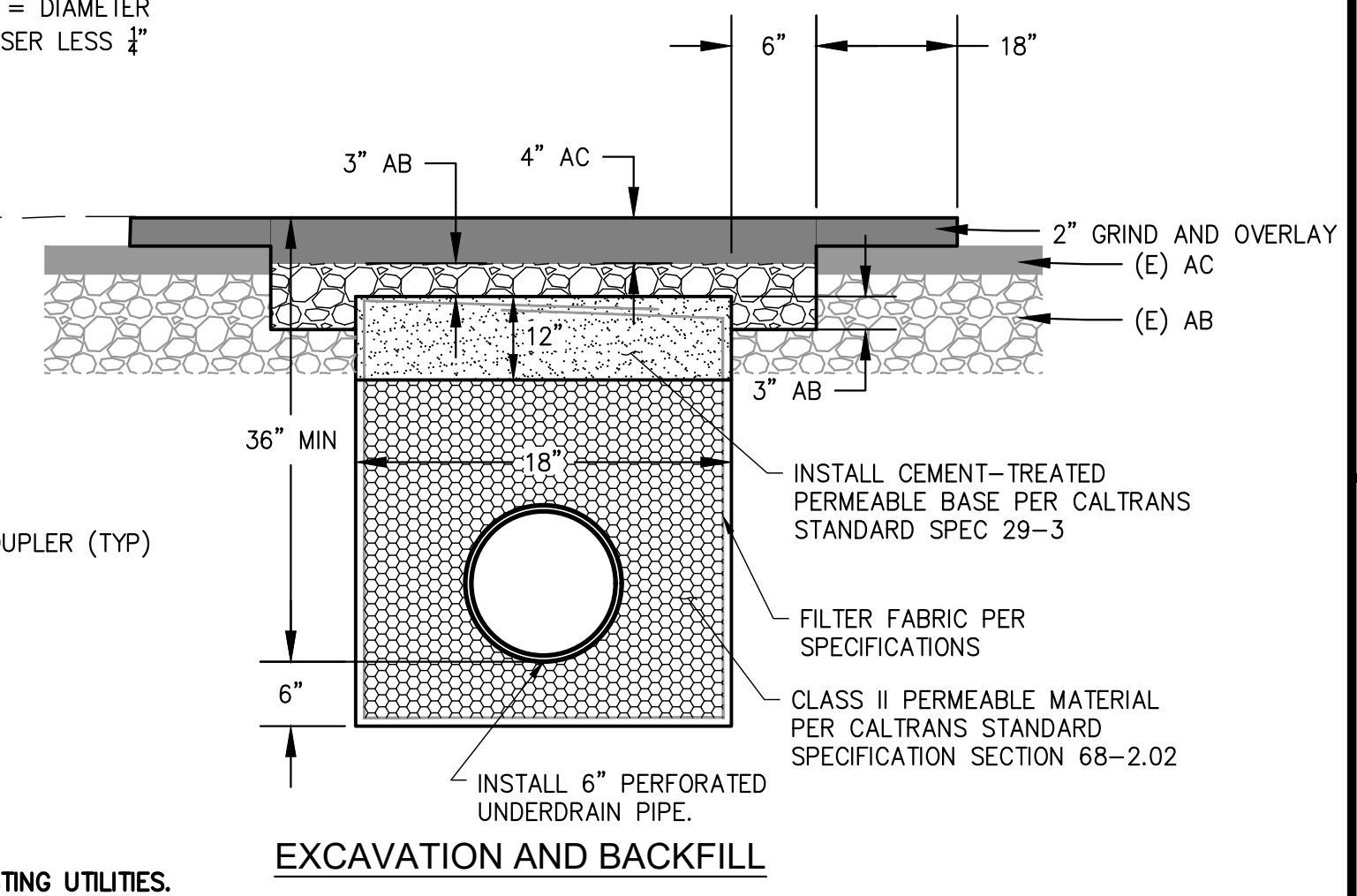
9
SCALE: NTS



WELDED METAL COVER

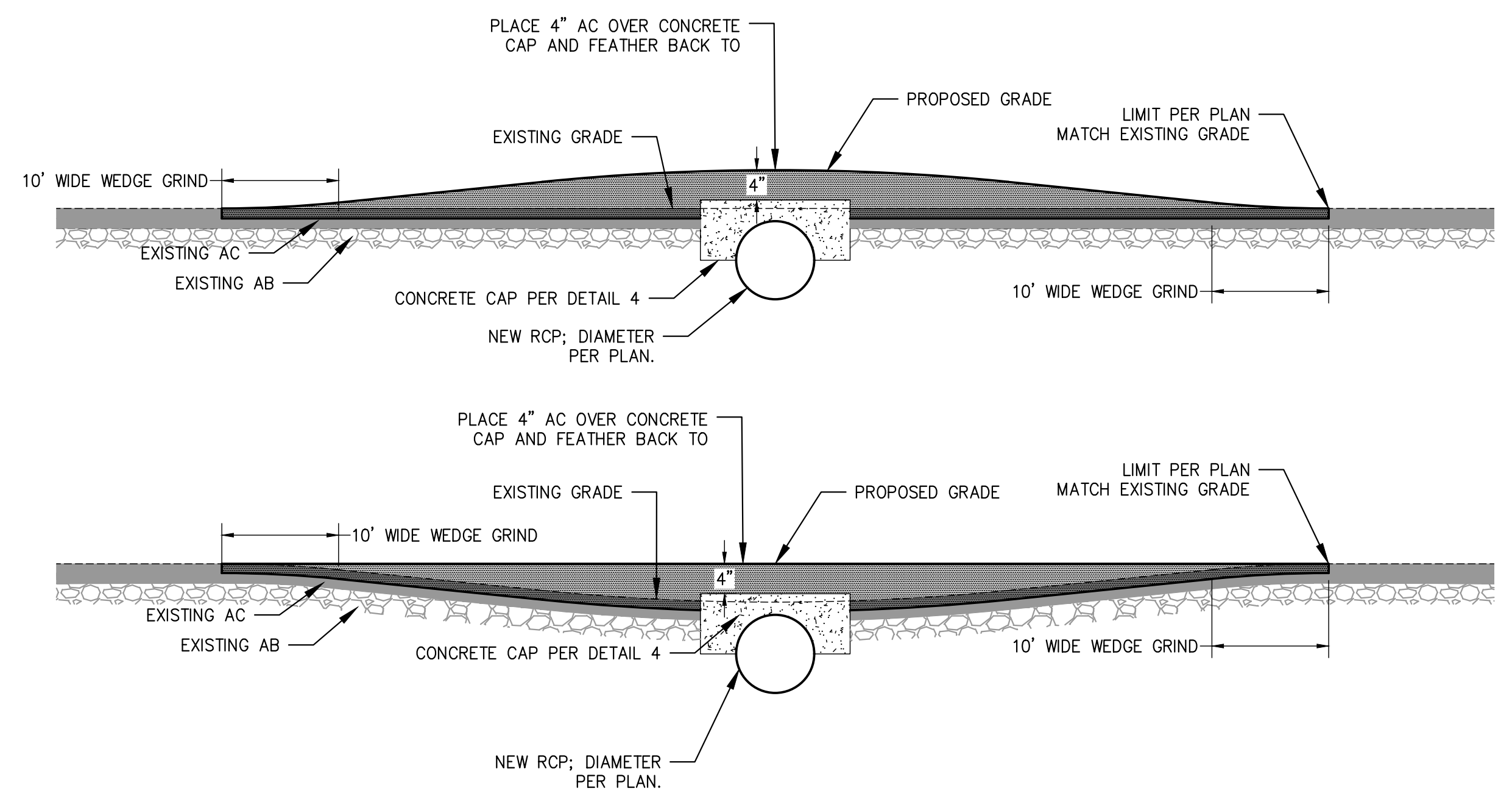


NOTES:
 1. ADJUST PIPE DEPTH TO AVOID EXISTING UTILITIES.



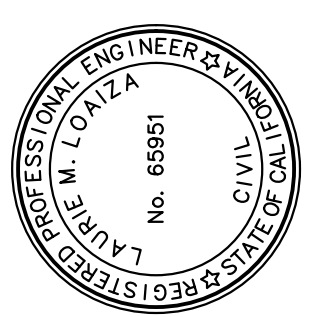
UNDERDRAIN

SCALE: NTS
 10



RAISE ROAD SECTION DETAIL

SCALE: NTS
 11



PREPARED UNDER THE DIRECTION OF
 LAURIE M. LOAIZA
 DATE: 08/29/23
 DESIGNED BY: EC
 DRAWN BY: KAS
 REVIEWED BY: LML

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TOWN OF LOOMIS
 STREET CULVERT CROSSING RECONSTRUCTION
 CALIFORNIA
 DETAILS 3

PROJECT NUMBER
 65-4923

DRAWING DATE
 AUGUST 2023

SHEET NUMBER
 30 OF 30

BID SET
 DATE: FEBRUARY 2024

Path: F:\Civil_3D\Projects\654923 - Loomis - CIP\Plan Sets\Culvert Reconstruction\DWG\654923- Det.dwg, Layout Name: SH-30 Plot Date: Aug 29, 2023 at 12:56 pm