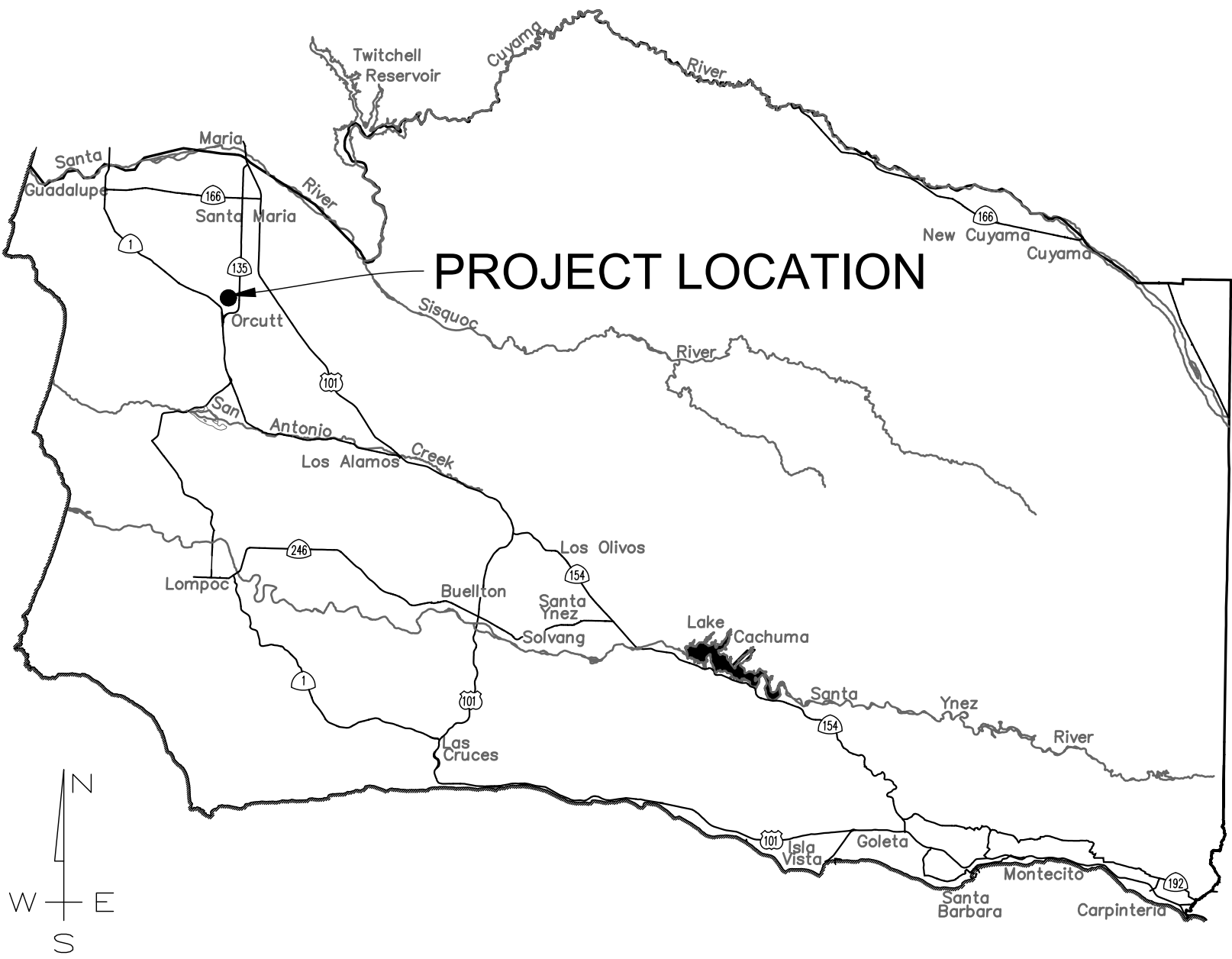


SANTA BARBARA COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

BID PLANS

ORCUTT SOLOMON BASIN OUTLET MODIFICATIONS
IN THE UNINCORPORATED
AREA OF SANTA BARBARA COUNTY, CALIFORNIA

COUNTY PROJECT NO. OR2401



VICINITY MAP
No Scale



ALL UNDERGROUND UTILITIES SHOWN ARE PLOTTED BASED ON INFORMATION PROVIDED BY OTHERS, AND ARE APPROXIMATE. OVERHEAD UTILITIES ARE NOT SHOWN.

THE SANTA BARBARA COUNTY FLOOD CONTROL DISTRICT IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS INFORMATION. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF TWO WORKING DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION @ 1-800-422-4133.

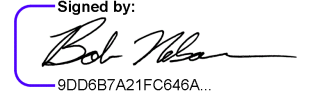
UNAUTHORIZED CHANGES OR USES: THE SANTA BARBARA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT AND ITS EMPLOYEES WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL PROPOSED CHANGES TO THE PLANS MUST BE PRESENTED IN WRITING TO THE DISTRICT AND APPROVED IN WRITING BY THE DISTRICT PRIOR TO IMPLEMENTATION OF ANY SUCH CHANGE OR USE.

CONTRACTOR'S LICENSE: THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE" ADVERTISING FOR BIDS.

DISTRICT BOARD OF DIRECTORS

FIRST DISTRICT Roy Lee
SECOND DISTRICT Laura Capps
THIRD DISTRICT Joan Hartmann
FOURTH DISTRICT Bob Nelson
FIFTH DISTRICT Steve Lavagnino

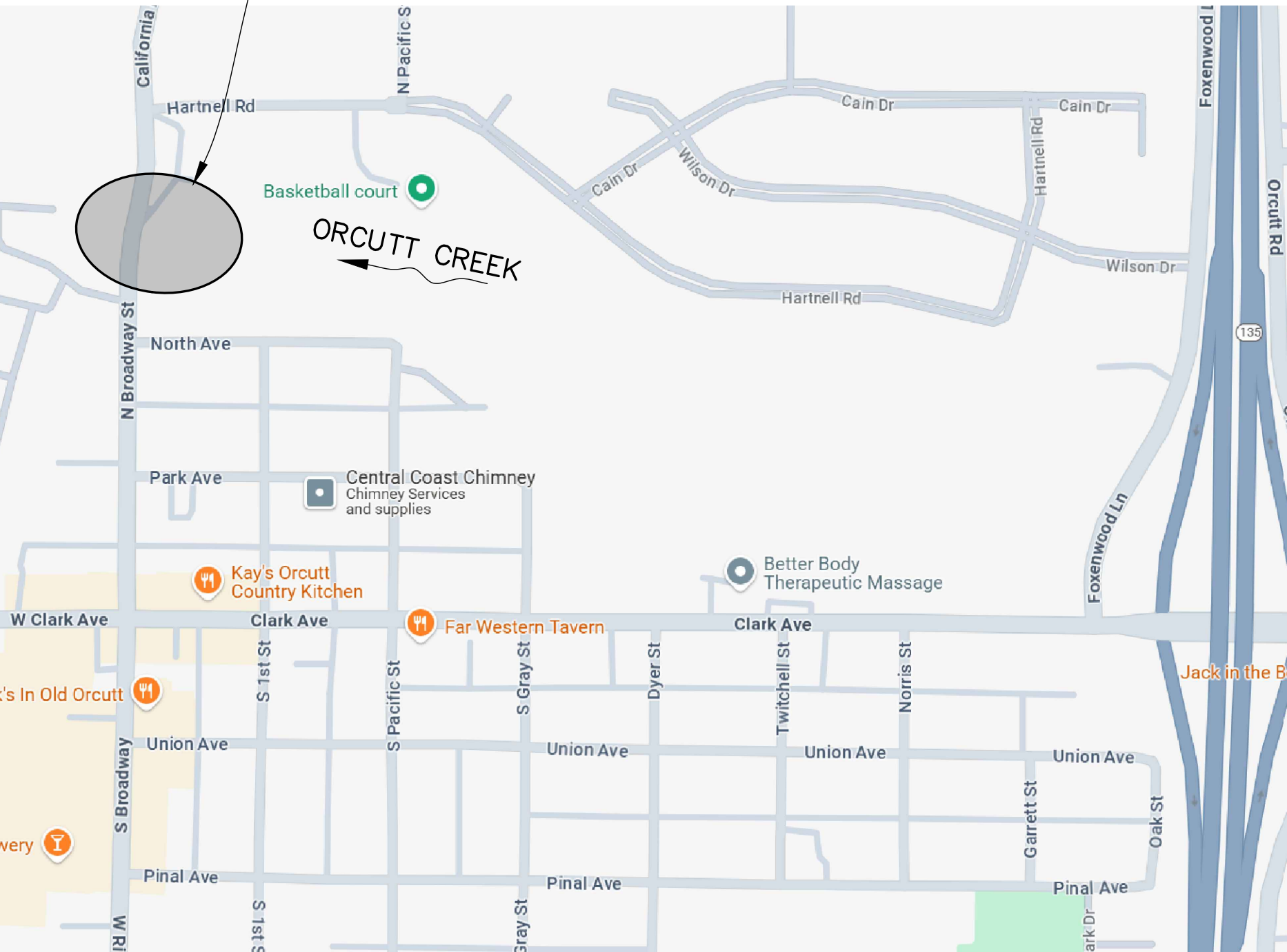
CHAIR, BOARD OF DIRECTORS


Bob Nelson

Sheet Index

Sheet No.	Designation	Description
1	T-1	TITLE SHEET
2	VS-1	SURVEY CONTROL AND KEYLINE GEOMETRY
3	DM-1	DEMOLITION PLAN
4	C-1	SITE PLAN
5	C-2	GRADING PROFILES
6	CG-1	CIVIL GRADING PLAN
7	XS-1	CROSS SECTIONS
8	D-1	18" SD DRAINAGE PLAN & PROFILE
9	D-2	24" SD DRAINAGE PLAN & PROFILE
10	D-3	INLET STRUCTURE DRAINAGE DETAILS
11	D-4	INLET SLAB GRADING DRAINAGE DETAILS

SITE LOCATION



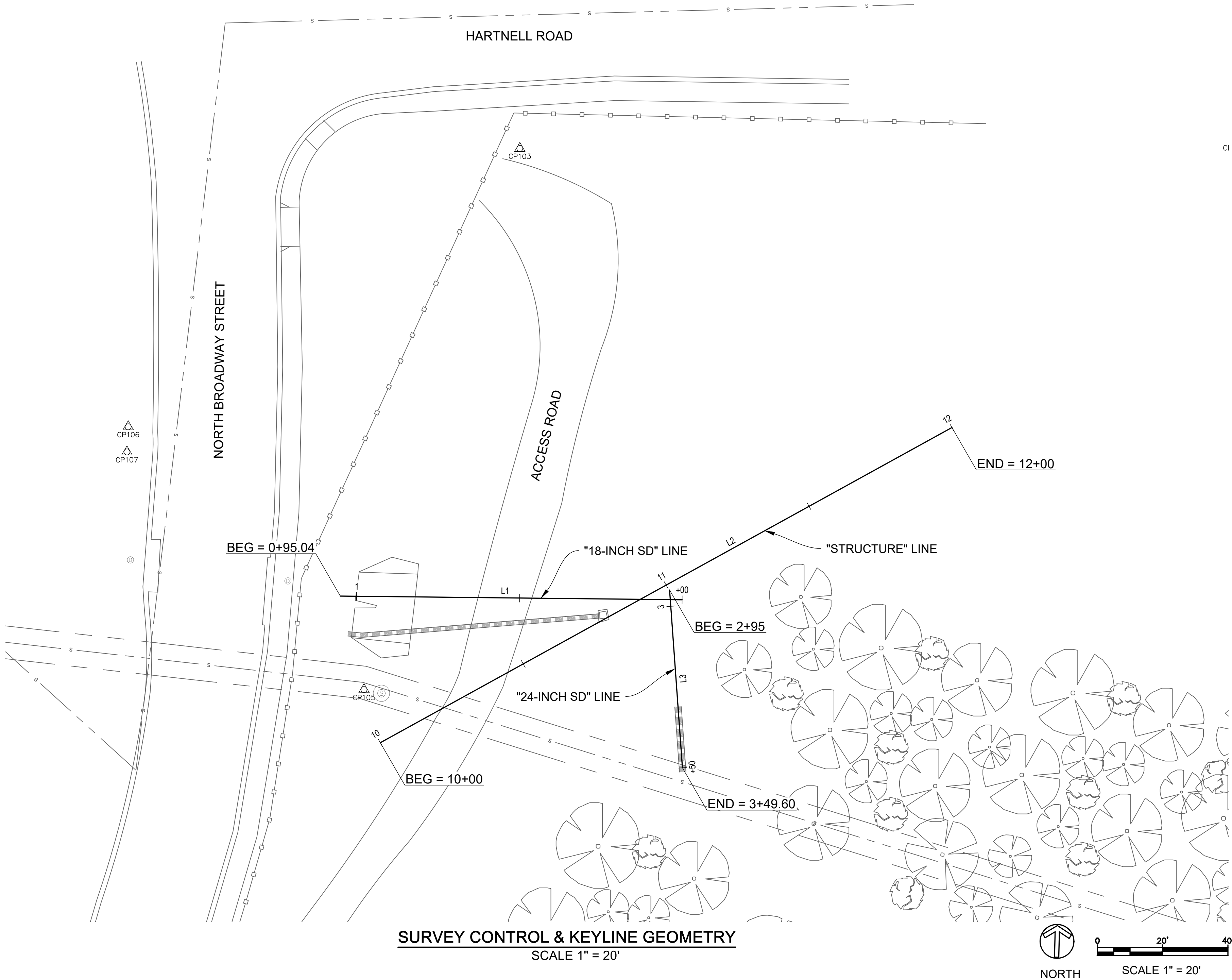
SITE MAP
No Scale

REVISIONS					DESIGNED BY:	REVIEWED BY:		ORCUTT SOLOMON BASIN OUTLET MODIFICATIONS AREA OF UNINCORPORATED SANTA BARBARA COUNTY, CALIFORNIA	TITLE SHEET	DESIGNED BY:	O-1171
NO.	DESCRIPTION	DATE	APR		FLOOD CONTROL DESIGN ENGINEER	DATE				HS	
					REVIEWED BY:					DRAWN BY:	
					FLOOD CONTROL ENGINEERING MANAGER	DATE				HS	
					REVIEWED BY:					CHECKED BY:	
					FLOOD CONTROL DEPUTY DIRECTOR	DATE				MG	SHEET 1 OF 11
Filename: DRAWING NAME.DWG											

BID PLANS

NOTES:

1. LAYOUT LINES LIMITS ARE SHOWN FOR GEOMETRIC CONTROL OF THE WORK.
2. SEE ADDITIONAL SHEETS FOR EXACT LOCATION OF PROJECT COMPONENTS.



"18-INCH SD" LINE							
SEGMENT ID	START STATION	START NORTHING	START EASTING	LENGTH	END STATION	DIRECTION/ DELTA	RADIUS
L1	0+95.04	2147446.10	5827779.41	104.74	1+99.79	S89°23'10"E	

"STRUCTURE" LINE							
SEGMENT ID	START STATION	START NORTHING	START EASTING	LENGTH	END STATION	DIRECTION/ DELTA	RADIUS
L2	10+00.00	2147401.19	5827791.67	200.00	12+00.00	N61°08'13"E	

"24-INCH SD" LINE							
SEGMENT ID	START STATION	START NORTHING	START EASTING	LENGTH	END STATION	DIRECTION/ DELTA	RADIUS
L3	2+95.00	2147447.96	5827880.30	54.60	3+49.60	S4°08'32"E	

Surveyor's Notes:
Horizontal positions were derived from GPS observation holding Stations 1009 fixed, Station 1009 shown on Record of Survey book 147 page 57 on Santa Maria Valley Aerial Survey based on California Coordinate System 1983 (CCS83) 1991.35 epoch.

Elevations (orthometric heights) were derived by GPS observation and converted to the North American Vertical Datum 1988 (NAVD88) using the National Geodetic Survey's program GEOID99 holding CP1009 fixed on Santa Ynez Valley Aerial Survey.

All coordinate values shown are grid values. All distances are based on the U.S. Survey Foot (one survey foot = 1200/3937 meters).

Contour Interval:
The contour interval is shown at 1 foot intervals with majors at every 5 feet.

Basis of Bearings:
The Basis of Bearings is between GPS Control Point 1009 and GPS Control point 1108 as shown on Record of Survey book 147 page 57 as shown as Santa Maria Valley Aerial Survey based on said Record of Survey, calculated as N49°27'58"W 4269.984 and measured as N49°27'58"W 4269.984'.

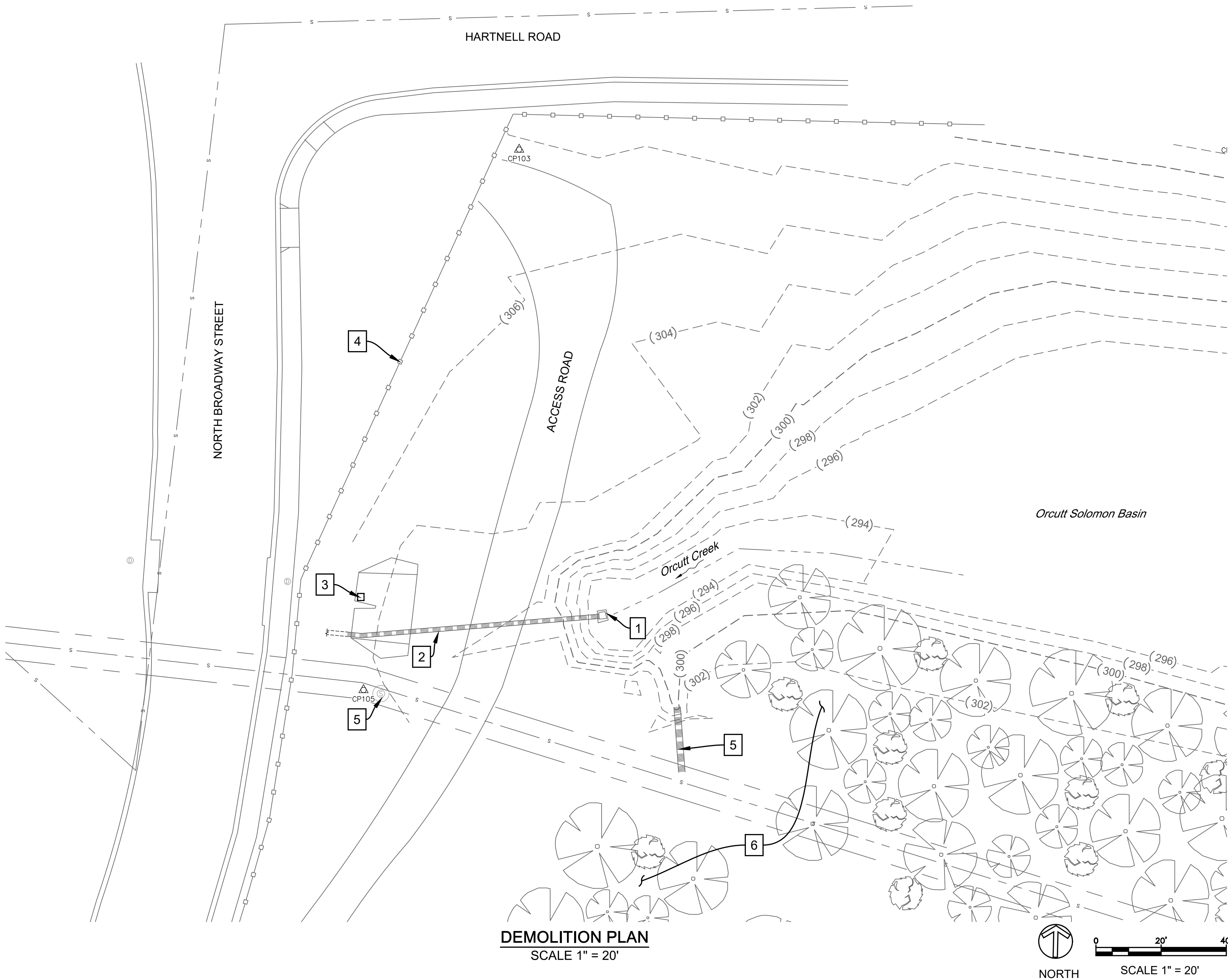
Ground to Grid Factors
Convergence Factor: -1°24'01.85" Scale Factor: 0.999992406
Combined Factor: 0.999991590 Factors Calculated for: CP1009

CONTROL POINT TABLE			
POINT #	ELEVATION	NORTHING	EASTING
105	305.03	2147417.44	5827786.66
103	307.55	2147583.22	5827834.42
104	313.07	2147585.82	5828053.34
106	303.98	2147497.95	5827714.42
107	303.90	2147490.25	5827714.04

SHEET DESIGNATION
VS-1

REVISIONS				REGISTERED PROFESSIONAL ENGINEER Thomas Conti No. 73,108 Exp. 12/31/26 CIVIL STATE OF CALIFORNIA	DESIGNED BY:	3/24/2026 10:29 AM PDT		SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT 130 E. VICTORIA STREET SANTA BARBARA, CA 93101 (805) 568-3440	SANTA BARBARA COUNTY FLOOD CONTROL DISTRICT	ORCUTT SOLOMON BASIN OUTLET MODIFICATIONS AREA OF UNINCORPORATED SANTA BARBARA COUNTY, CALIFORNIA	SURVEY CONTROL AND KEYLINE GEOMETRY		DESIGNED BY:	O-1171 SHEET 2 OF 11	
NO.	DESCRIPTION	DATE	APR		FLOOD CONTROL DESIGN ENGINEER	DATE	DRAWN BY:								
							HS								
							HS								
							CHECKED BY:								
													MG		

BID PLANS



DEMOLITION NOTES:

- IT IS THE CONTRACTORS RESPONSIBILITY TO POTHOLE UTILITIES AS NECESSARY TO VERIFY HORIZONTAL AND VERTICAL LOCATION.
- SEE ADDITIONAL SHEETS FOR EXACT LOCATION OF PROJECT COMPONENTS.
- NOT ALL TREES AND BRUSH IS SHOWN. CONTRACTOR MUST INVESTIGATE PROJECT LIMITS FOR CLEAR AND GRUBBING REQUIRED FOR THE WORK.
- PROTECT IN PLACE ALL TEMPORARY BENCHMARKS.

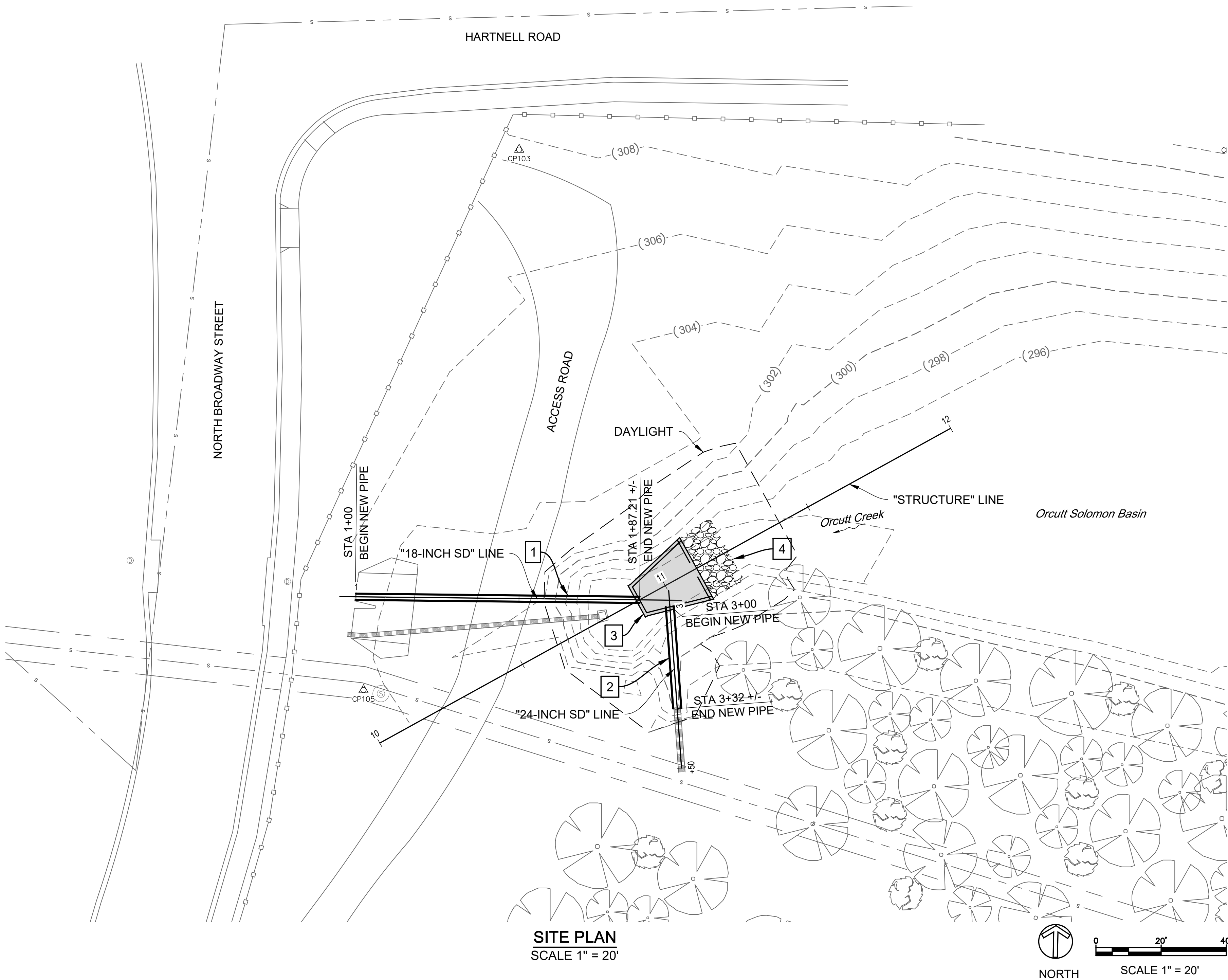
DEMOLITION LEGEND:

- 1 DEMOLISH EXISTING CONCRETE INLET STRUCTURE.
- 2 ABANDON EXISTING 16-INCH PIPE. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 3 REMOVE PORTION OF EXISTING CONCRETE SLOPED EMBANKMENT FOR (N) PIPE OUTLET PENETRATION (SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION).
- 4 PROTECT EXISTING FENCE AND GATE IN PLACE.
- 5 PROTECT EXISTING UTILITIES.
- 6 PROTECT EXISTING TREES.

SHEET DESIGNATION
DM-1

REVISIONS					DESIGNED BY:  FLOOD CONTROL DESIGN ENGINEER	DATE	SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT 130 E. VICTORIA STREET SANTA BARBARA, CA 93101 (805) 568-3440		ORCUTT SOLOMON BASIN OUTLET MODIFICATIONS AREA OF UNINCORPORATED SANTA BARBARA COUNTY, CALIFORNIA	DEMOLITION PLAN	DESIGNED BY: HS DRAWN BY: HS CHECKED BY: MG	O-1171 SHEET 3 OF 11
NO.	DESCRIPTION	DATE	APR									

BID PLANS



NOTES:

- 1. IT IS THE CONTRACTORS RESPONSIBILITY TO POTHOLE UTILITIES AS NECESSARY TO VERIFY HORIZONTAL AND VERTICAL LOCATION.
- 2. SEE ADDITIONAL SHEETS FOR EXACT LOCATION OF PROJECT COMPONENTS.
- 3. SHORING NOT SHOWN.

LEGEND:

- 1 FURNISH AND INSTALL 87 FEET OF 18-INCH PLASTIC PIPE. SEE DRAINAGE PLAN FOR ADDITIONAL INFORMATION.
- 2 FURNISH AND INSTALL 32 FEET OF 24-INCH PLASTIC PIPE TO THE EXISTING 24-INCH PLASTIC PIPE. SEE DRAINAGE PLANS FOR ADDITIONAL INFORMATION.
- 3 CONSTRUCTION INLET STRUCTURE. SEE DRAINAGE PLANS & DETAILS FOR ADDITIONAL INFORMATION.
- 4 FURNISH AND INSTALL 1/4 T ROCK SLOPE PROTECTION

EXISTING UTILITY INFORMATION:

ALL UNDERGROUND UTILITIES SHOWN ARE PLOTTED BASED ON INFORMATION PROVIDED BY OTHERS, AND ARE APPROXIMATE. OVERHEAD UTILITIES ARE NOT SHOWN. NOTE THAT INDIVIDUAL SERVICE LATERALS AND CONNECTIONS ARE NOT PLOTTED ON THE PROFILE. THE SANTA BARBARA COUNTY FLOOD CONTROL DISTRICT IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS INFORMATION. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF TWO WORKING DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION @ 1-800-422-4133.

SHEET DESIGNATION
C-1

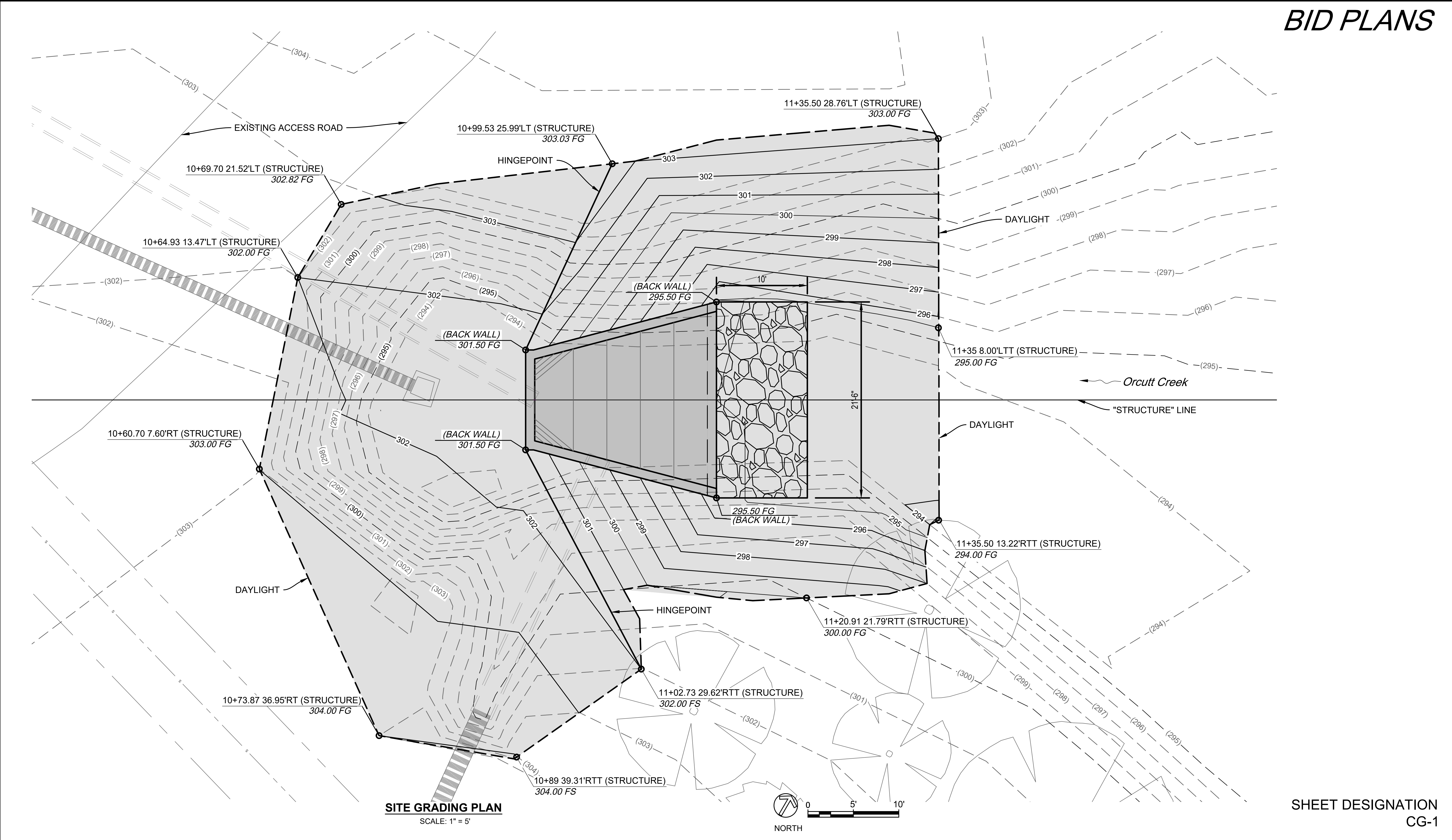
REVISIONS					DESIGNED BY: 3/24/2026 10:29 AM PDT FLOOD CONTROL DESIGN ENGINEER		SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT 130 E. VICTORIA STREET SANTA BARBARA, CA 93101 (805) 568-3440		ORCUTT SOLOMON BASIN OUTLET MODIFICATIONS AREA OF UNINCORPORATED SANTA BARBARA COUNTY, CALIFORNIA	SITE PLAN	DESIGNED BY: HS DRAWN BY: HS CHECKED BY: MG	O-1171 SHEET 4 OF 11
NO.	DESCRIPTION	DATE	APR									

1. SEE ADDITIONAL SHEETS FOR EXACT LOCATION OF PROJECT COMPONENTS.



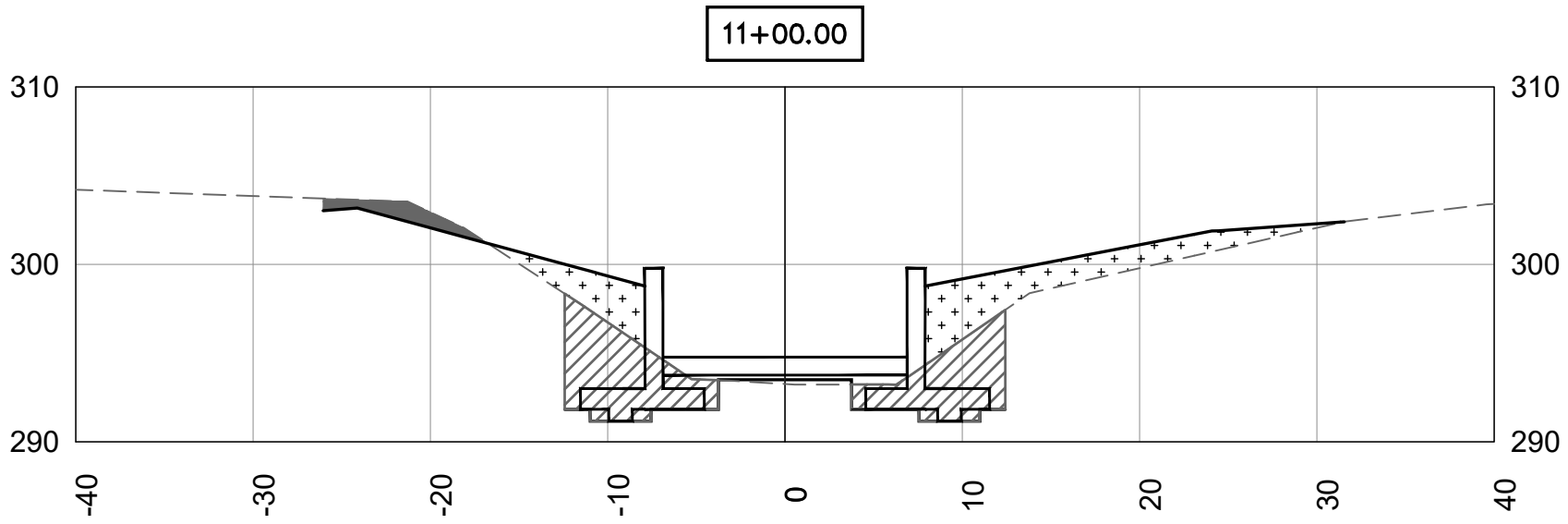
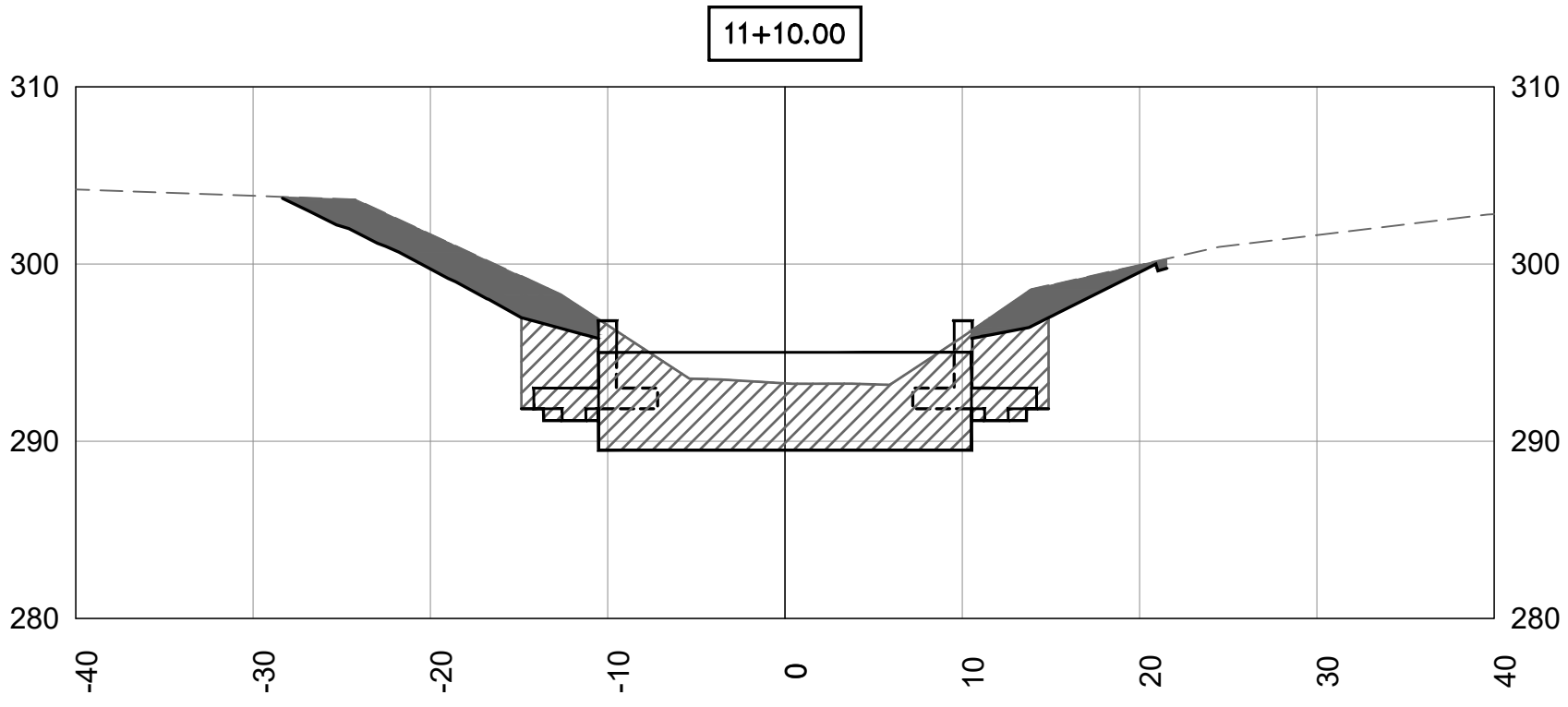
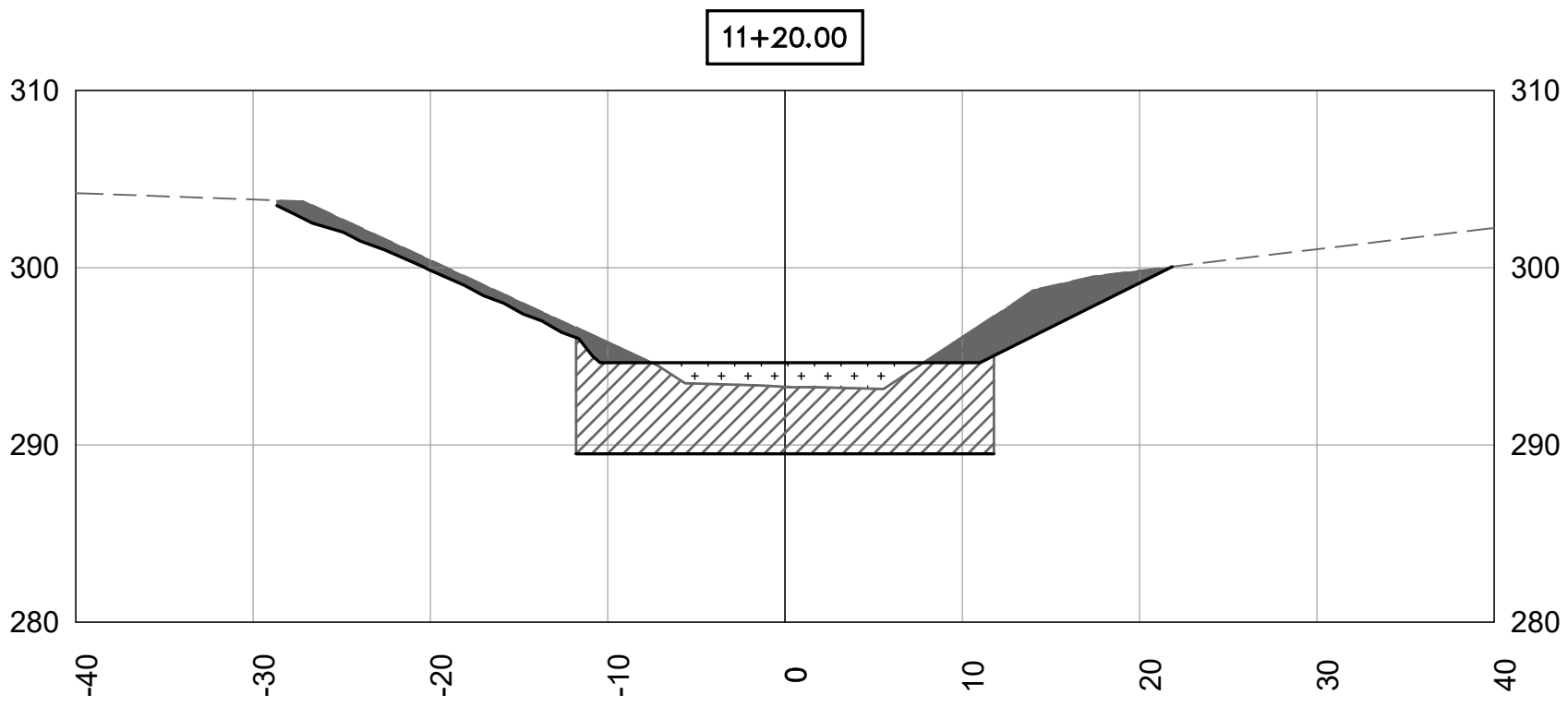
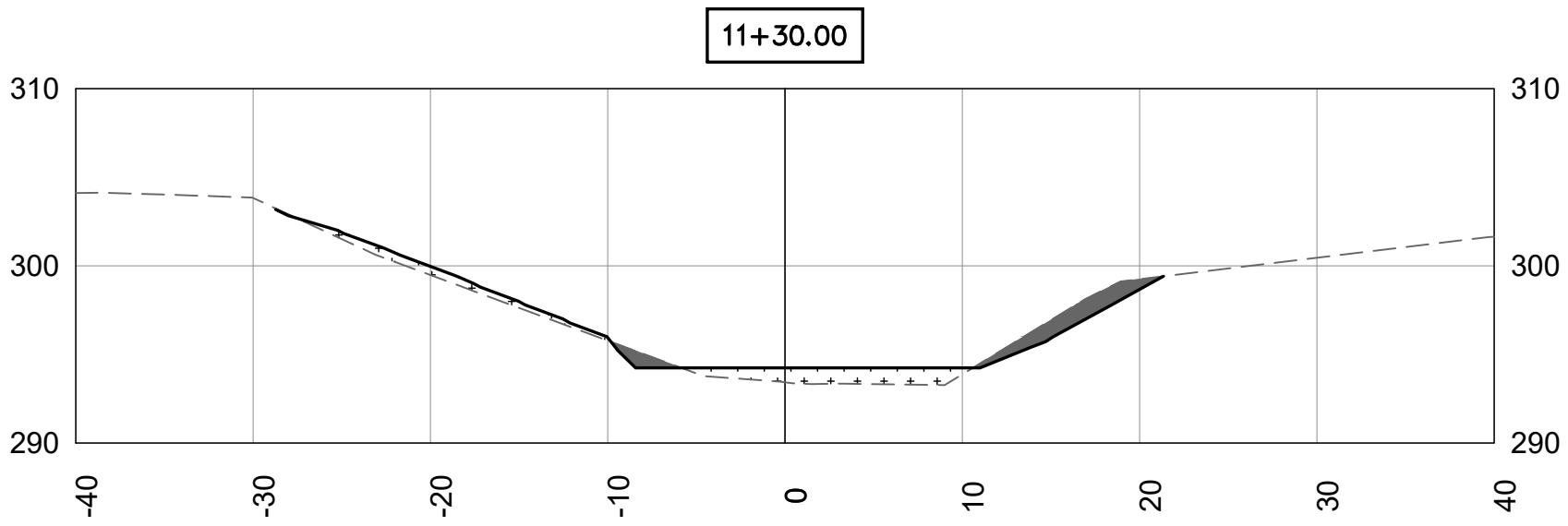
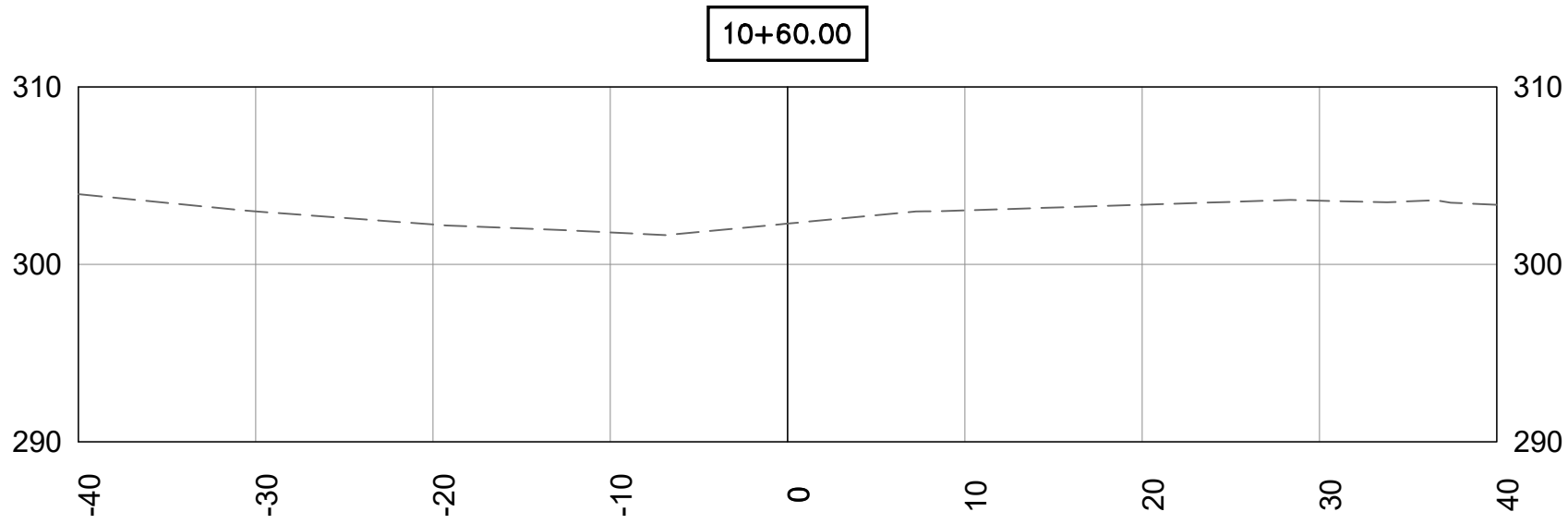
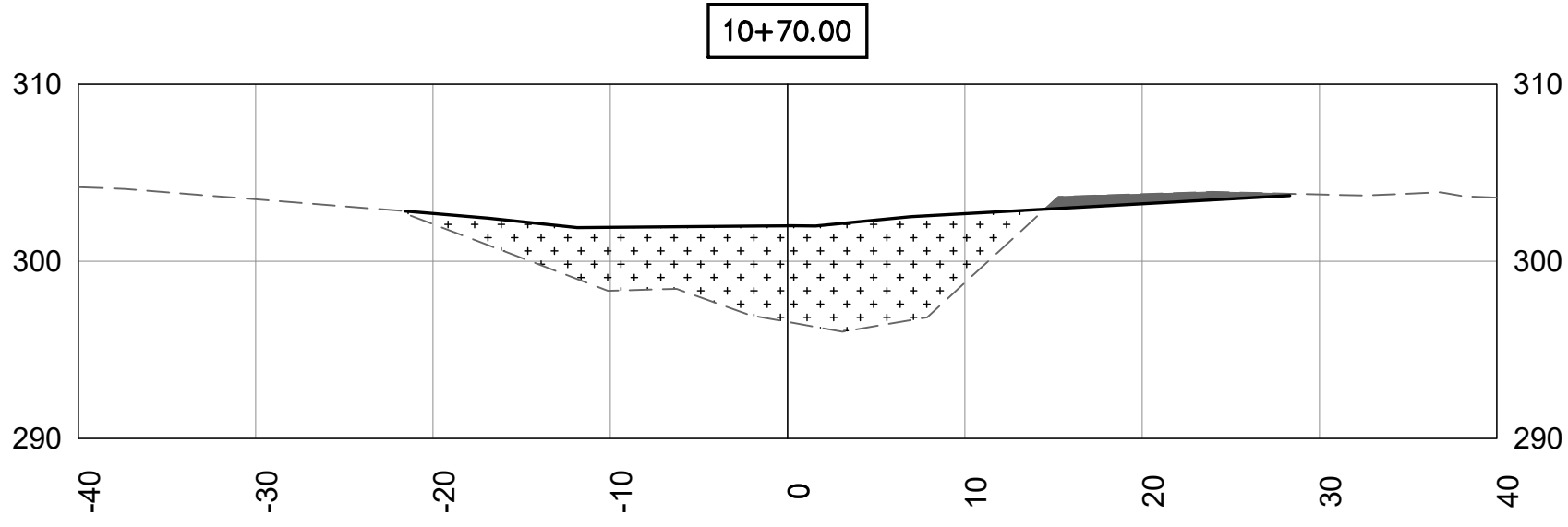
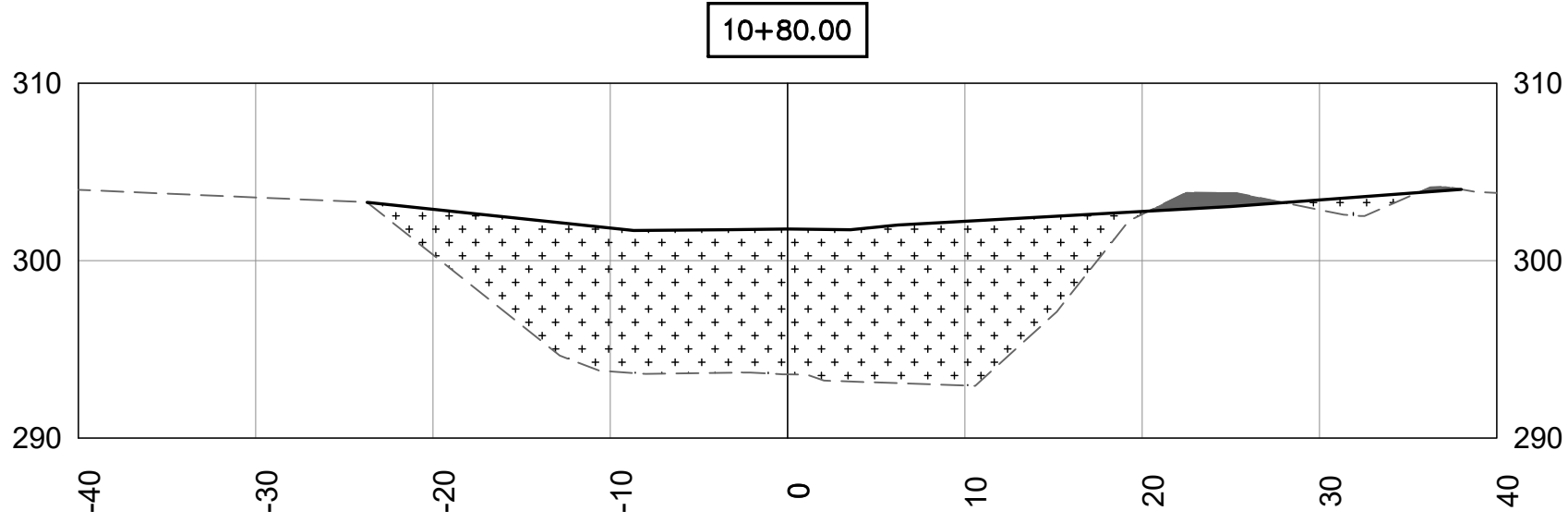
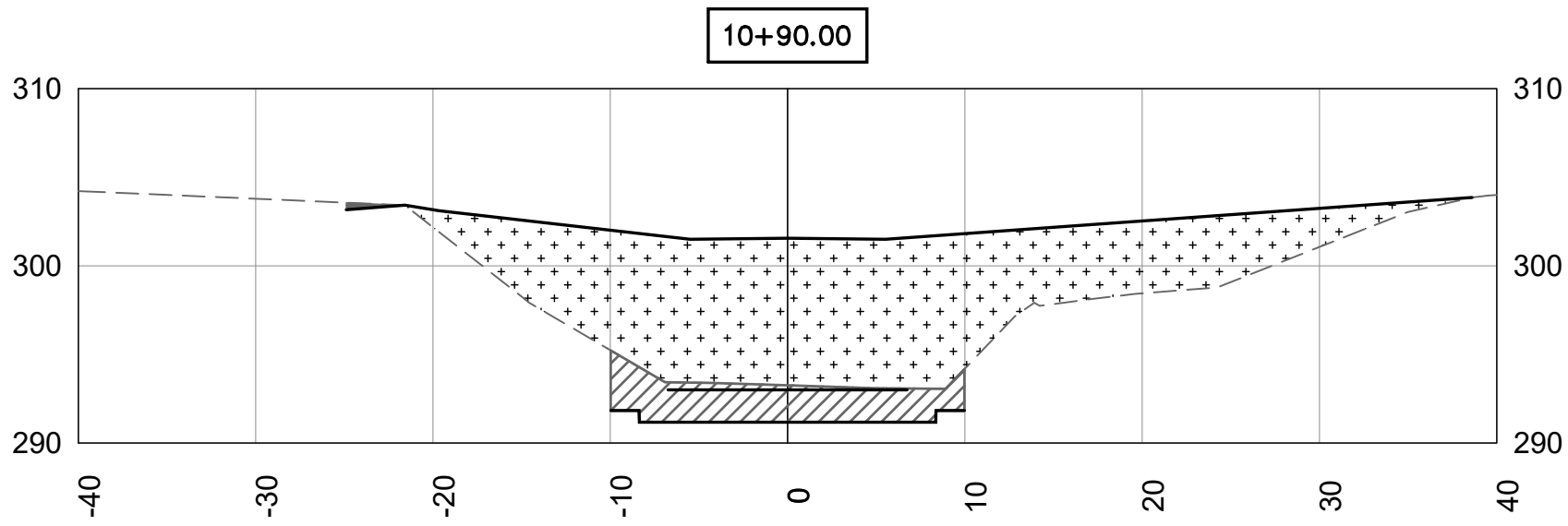
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BID PLANS



SHEET DESIGNATION
CG-1

REVISIONS					DESIGNED BY:  3/24/2026 10:29 AM PDT			SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT 130 E. VICTORIA STREET SANTA BARBARA, CA 93101 (805) 568-3440		ORCUTT SOLOMON BASIN OUTLET MODIFICATIONS AREA OF UNINCORPORATED SANTA BARBARA COUNTY, CALIFORNIA	CIVIL GRADING PLAN	DESIGNED BY: HS DRAWN BY: HS CHECKED BY: MG	O-1171 SHEET 6 OF 11				
NO.	DESCRIPTION	DATE	APR		FLOOD CONTROL DESIGN ENGINEER	DATE											

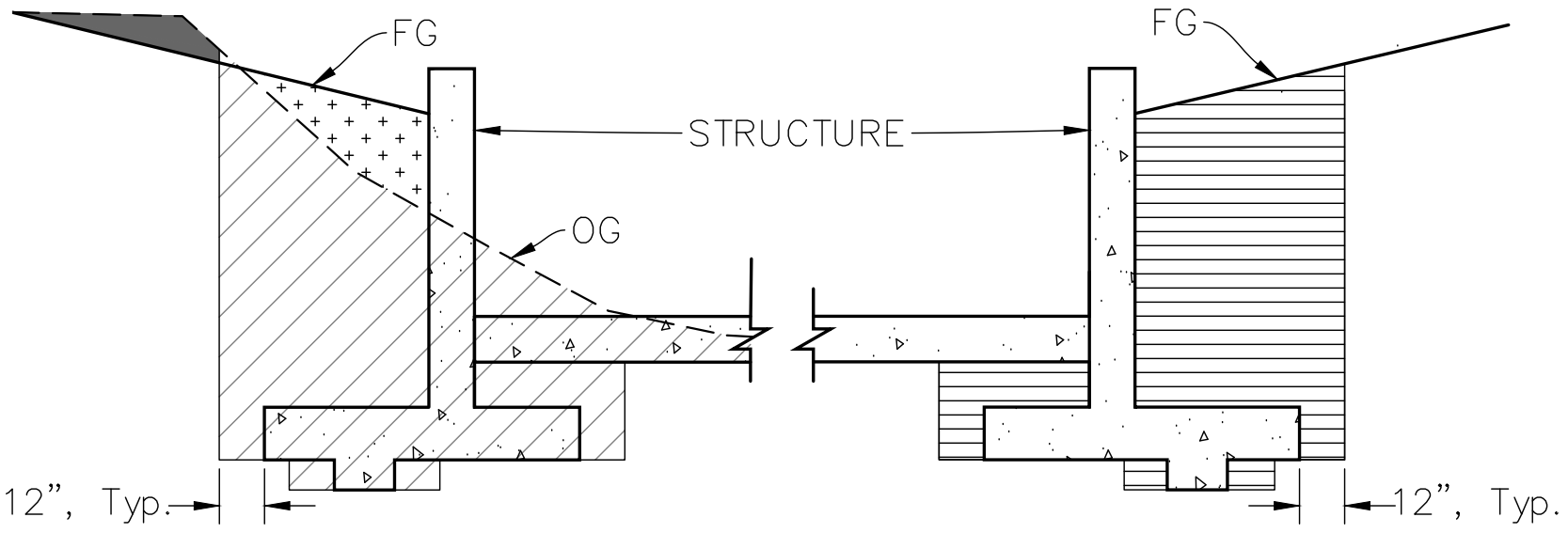


BID PLANS

General Earthwork							Structure Excavation			
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cum. Fill Vol	Cum. Cut Vol	Station	Cut Area	Cut Volume	Cum. Cut Vol
10+60.00	0.00	0.00	0.00	0.00	0.00	0.00	10+60.00	0.00	0.00	0.00
10+70.00	128.17	6.27	23.74	1.16	23.74	1.16	10+70.00	0.00	0.00	0.00
10+80.00	287.28	4.68	76.94	2.03	100.67	3.19	10+80.00	0.00	0.00	0.00
10+90.00	297.00	0.66	108.20	0.99	208.87	4.18	10+90.00	42.72	7.91	7.91
11+00.00	50.99	6.33	64.44	1.29	273.31	5.47	11+00.00	61.53	19.31	27.22
11+10.00	0.00	43.33	9.44	9.20	282.76	14.67	11+10.00	153.72	39.86	67.08
11+20.00	17.60	35.59	3.26	14.61	286.02	29.28	11+20.00	112.97	49.39	116.47
11+30.00	18.59	10.24	6.70	8.49	292.72	37.77	11+30.00	0.00	20.92	137.39
11+40.00	0.00	0.00	3.44	1.90	296.16	39.66	11+40.00	0.00	0.00	137.39

NOTES:

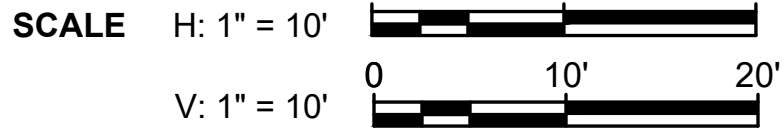
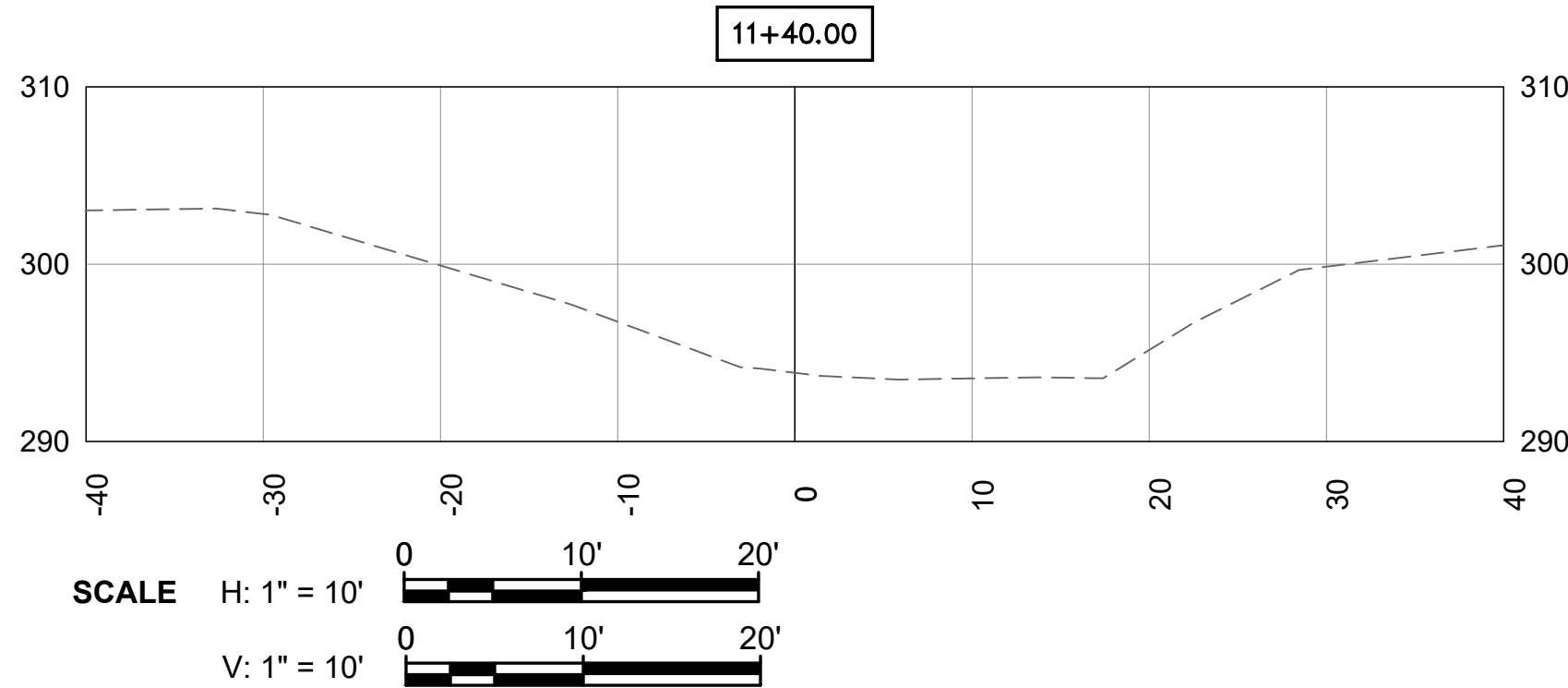
- QUANTITIES FOR 'GENERAL EARTHWORK' AND 'STRUCTURE EXCAVATION' ARE CALCULATED INDEPENDENTLY. THE LIMITS OF 'STRUCTURE EXCAVATION' OVERLAP WITH 'GENERAL EARTHWORK' WITHIN THE BASIN AREA.
- QUANTITIES FOR STRUCTURE BACKFILL NOT SHOWN. QUANTIFIED FROM STRUCTURE EX VOL - STRUCTURE CONC. VOL.



EARTHWORK, EXCAVATION & BACKFILL PAY LIMITS
NO SCALE

LEGEND:

GENERAL EARTHWORK					
	-	FILL		-	STRUCTURE BACKFILL
	-	CUT		-	STRUCTURE EXCAVATION



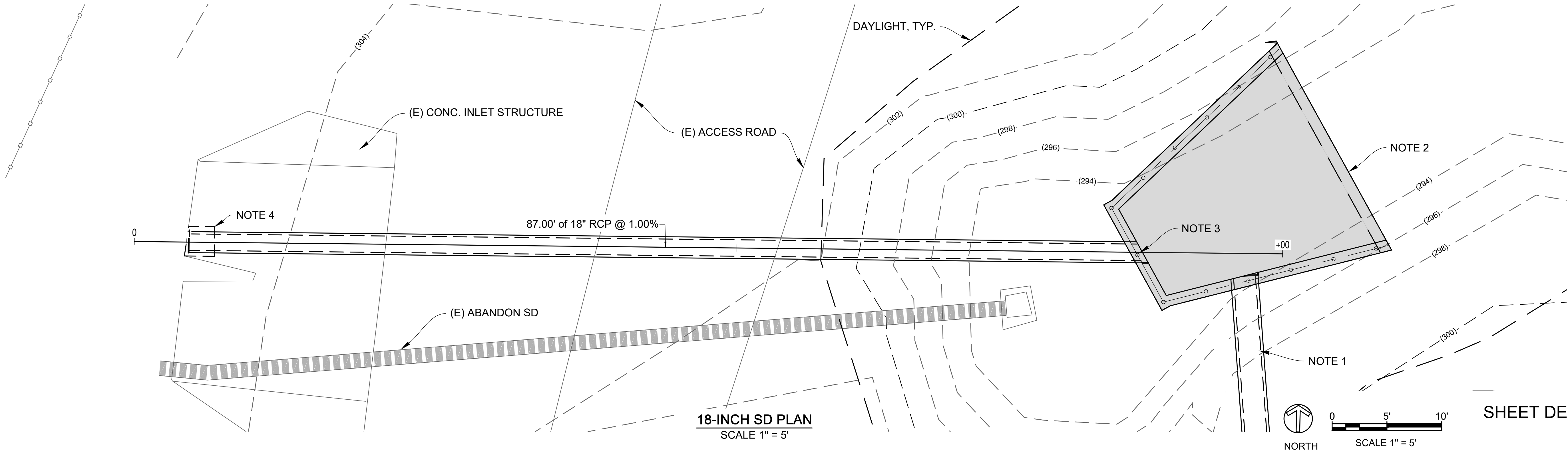
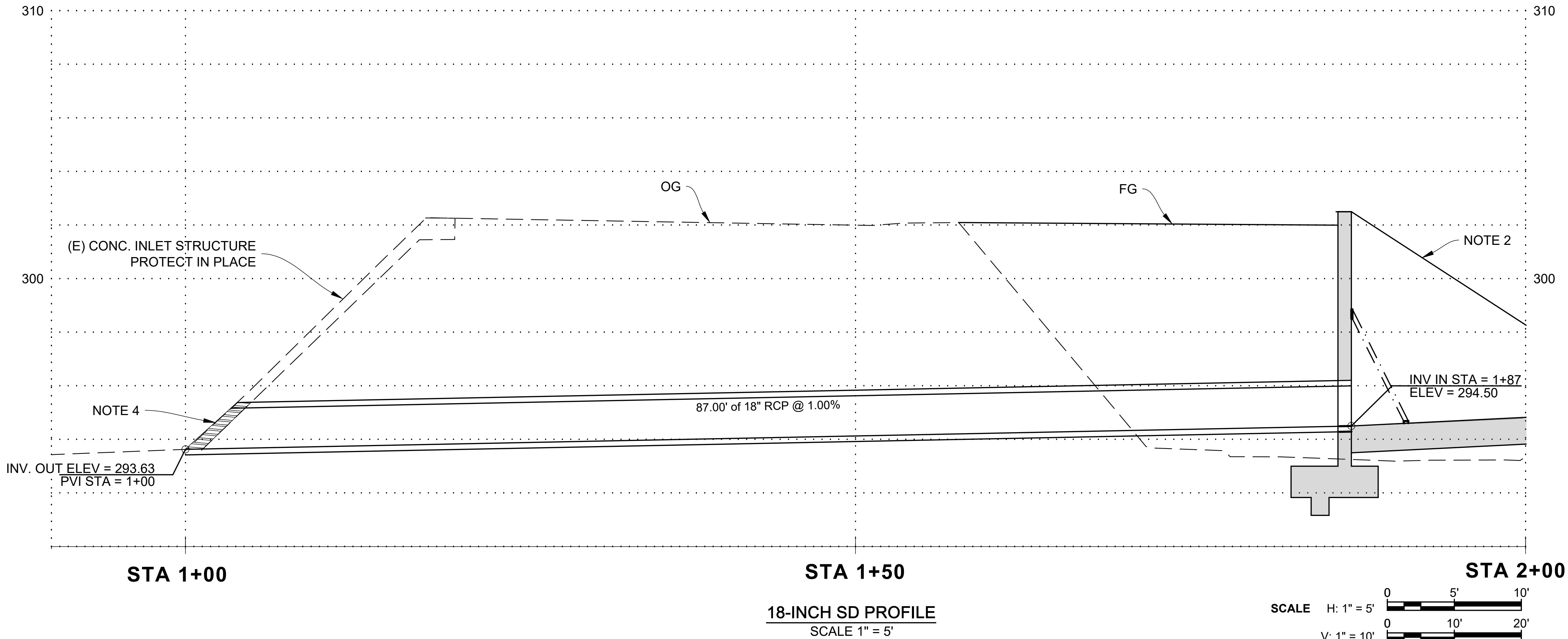
"STRUCTURE" LINE SECTIONS

REVISIONS					DESIGNED BY: 3/24/2026 10:29 AM PDT			SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT 130 E. VICTORIA STREET SANTA BARBARA, CA 93101 (805) 568-3440		ORCUTT SOLOMON BASIN OUTLET MODIFICATIONS AREA OF UNINCORPORATED SANTA BARBARA COUNTY, CALIFORNIA	GRADING CROSS SECTIONS		DESIGNED BY: HS DRAWN BY: HS CHECKED BY: MG	O-1171										
NO.	DESCRIPTION	DATE	APR		FLOOD CONTROL DESIGN ENGINEER																			
SHEET 7 OF 11																								

BID PLANS

NOTES:

1. SEE D-2 FOR 24" PIPE PROFILE.
2. SEE D-3 FOR INLET STRUCTURE DETAILS.
3. PIPE PENETRATES WALL AT SKEW. SEE CALTRANS STANDARD DETAIL B3-6 "RETAINING WALL DETAILS" RETAINING WALL UTILITY OPENING FOR 18" AND 24" PIPE CONNECTIONS.
4. REMOVE PORTION OF (E) CONCRETE INLET STRUCTURE FOR PIPE OUTLET PENETRATION TRIM PIPE FLUSH WITH FACE OF SLOPE. CONSTRUCT WATERTIGHT SLURRY CEMENT AROUND INTERFACE WITH PIPE AND EXISTING SLOPE.
5. SEE CALTRANS STANDARD DETAIL A62D FOR BACKFILL REQUIREMENTS. BACKFILL 2 FEET ABOVE THE PIPE CAN BE NATIVE EXCAVATED MATERIAL.



SHEET DESIGNATION
D-1

REVISIONS			
NO.	DESCRIPTION	DATE	APR



DESIGNED BY:  Thomas Conti	3/24/2026 10:29 AM PDT
FLOOD CONTROL DESIGN ENGINEER	DATE

SANTA BARBARA COUNTY
FLOOD CONTROL AND
WATER CONSERVATION DISTRICT
130 E. VICTORIA STREET
SANTA BARBARA, CA 93101
(805) 568-3440



ORCUTT SOLOMON BASIN
OUTLET MODIFICATIONS
AREA OF UNINCORPORATED
SANTA BARBARA COUNTY, CALIFORNIA

18" SD
DRAINAGE PLAN & PROFILE

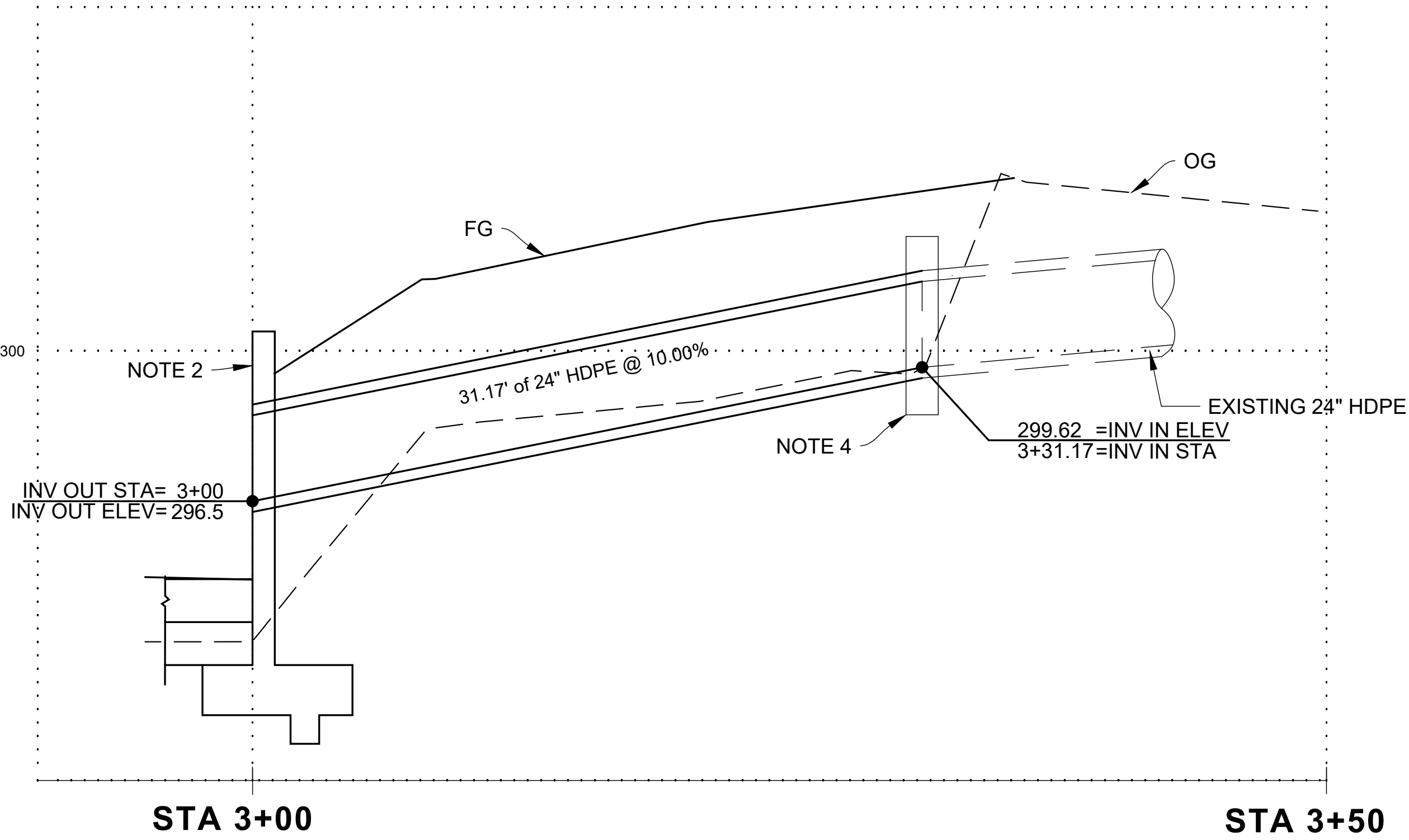
DESIGNED BY:	HS
DRAWN BY:	HS
CHECKED BY:	MG

O-1171

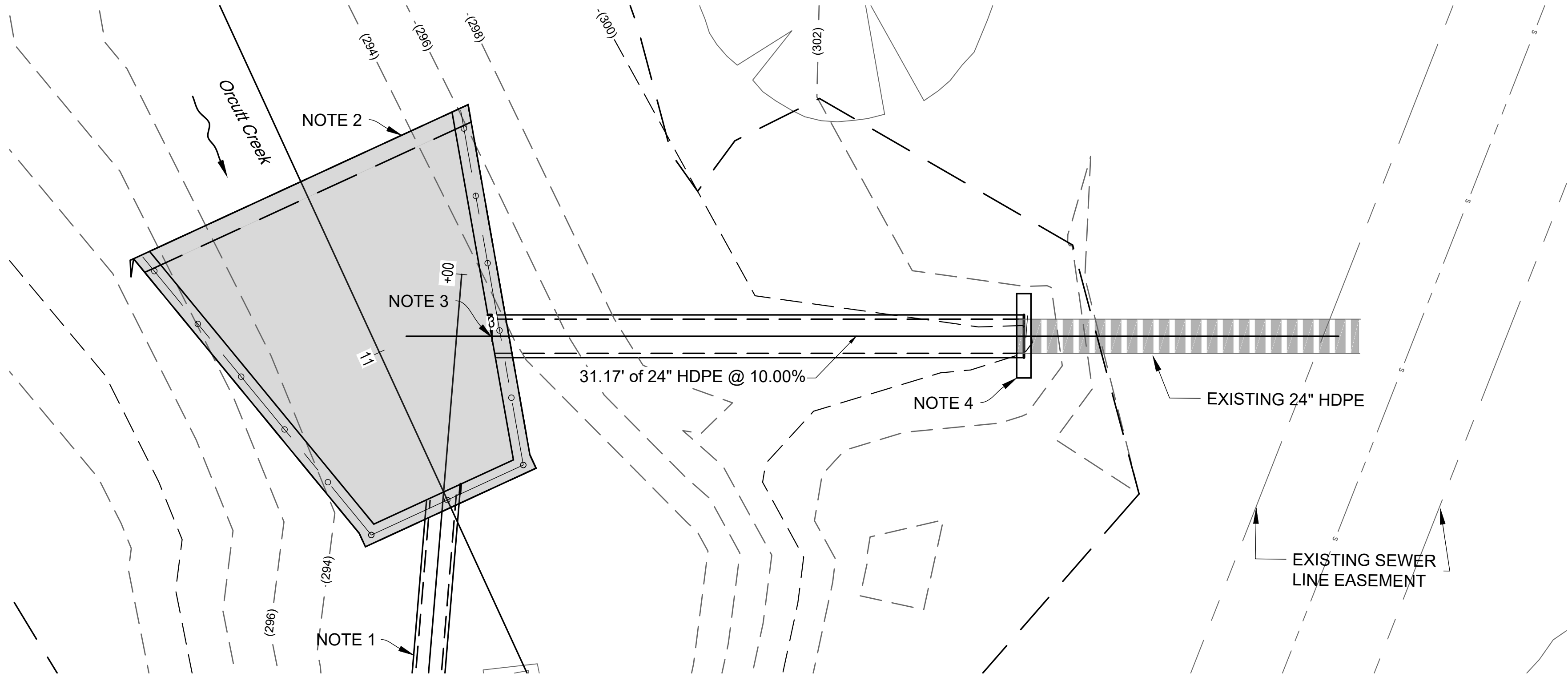
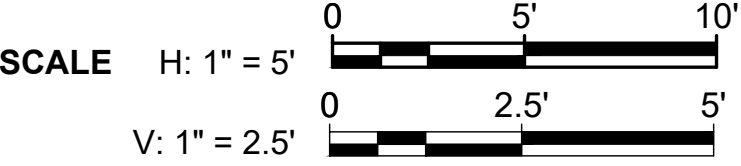
SHEET 8 OF 11

BID PLANS

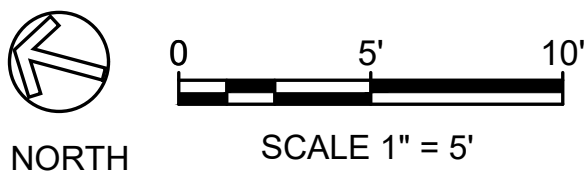
- NOTES:
- SEE D-1 FOR 18" PIPE PROFILE.
 - SEE D-3 FOR INLET STRUCTURE DETAILS.
 - PIPE PENETRATES WALL AT SKEW. SEE CALTRANS STANDARD DETAIL B3-6 "RETAINING WALL DETAILS" RETAINING WALL UTILITY OPENING FOR 18" AND 24" PIPE CONNECTIONS.
 - CONSTRUCT CONCRETE COLLAR PER APWA STANDARD DETAIL 380-4.
 - SEE CALTRANS STANDARD DETAIL A62F FOR BACKFILL REQUIREMENTS. BACKFILL 2 FEET ABOVE THE PIPE CAN BE NATIVE EXCAVATED MATERIAL.



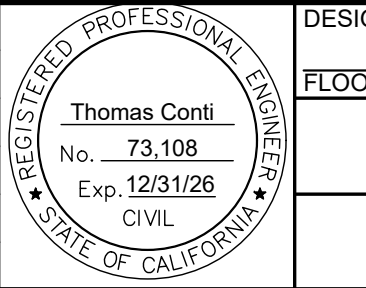
24-INCH SD PROFILE
SCALE 1" = 5'



24-INCH SD PLAN
SCALE 1" = 5'



SHEET DESIGNATION
D-2

REVISIONS					DESIGNED BY:  3/24/2026 10:29 AM PDT			ORCUTT SOLOMON BASIN OUTLET MODIFICATIONS AREA OF UNINCORPORATED SANTA BARBARA COUNTY, CALIFORNIA	24" SD DRAINAGE PLAN & PROFILE	DESIGNED BY: HS DRAWN BY: HS CHECKED BY: MG	O-1171 SHEET 9 OF 11					
NO.	DESCRIPTION	DATE	APR		FLOOD CONTROL DESIGN ENGINEER											

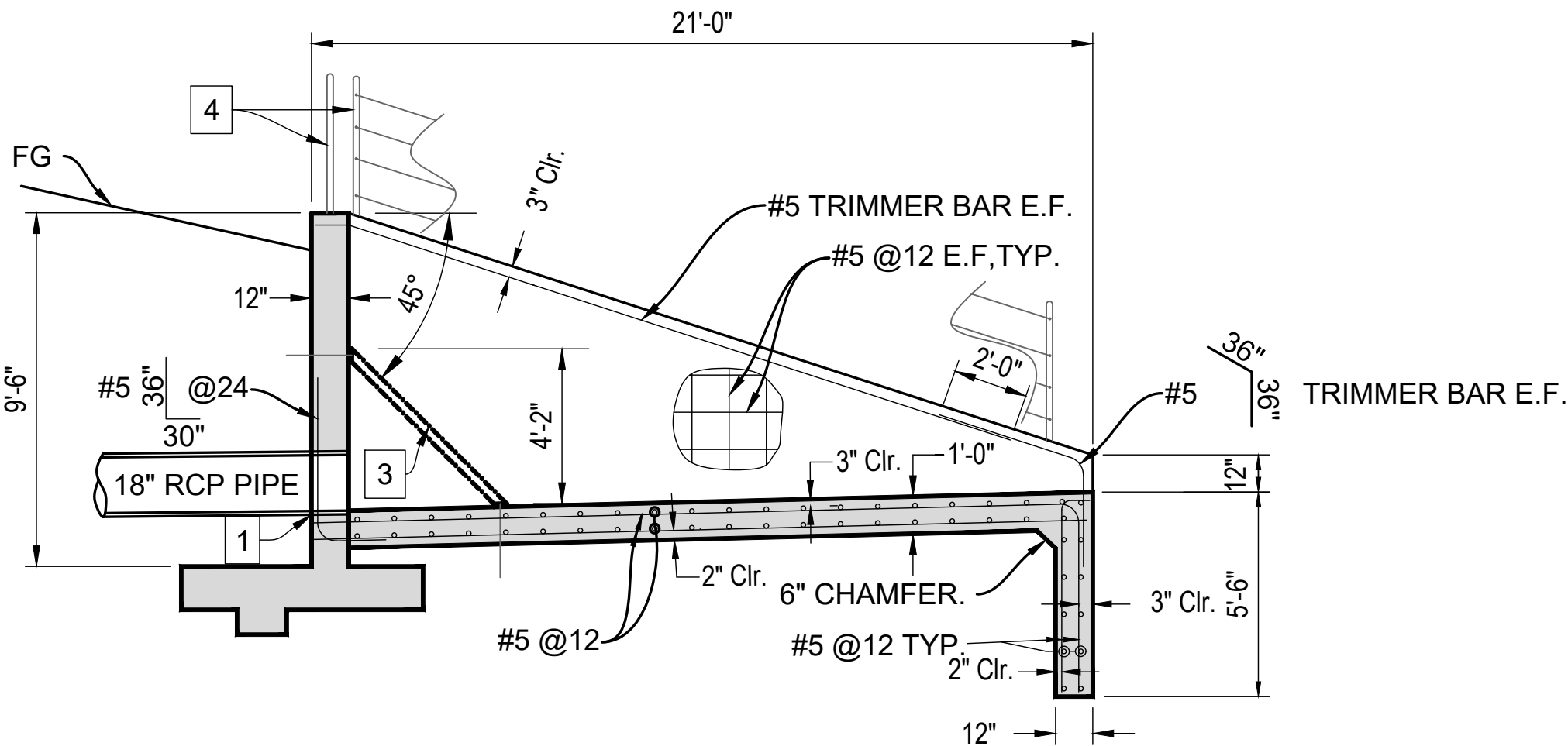
BID PLANS

NOTES:

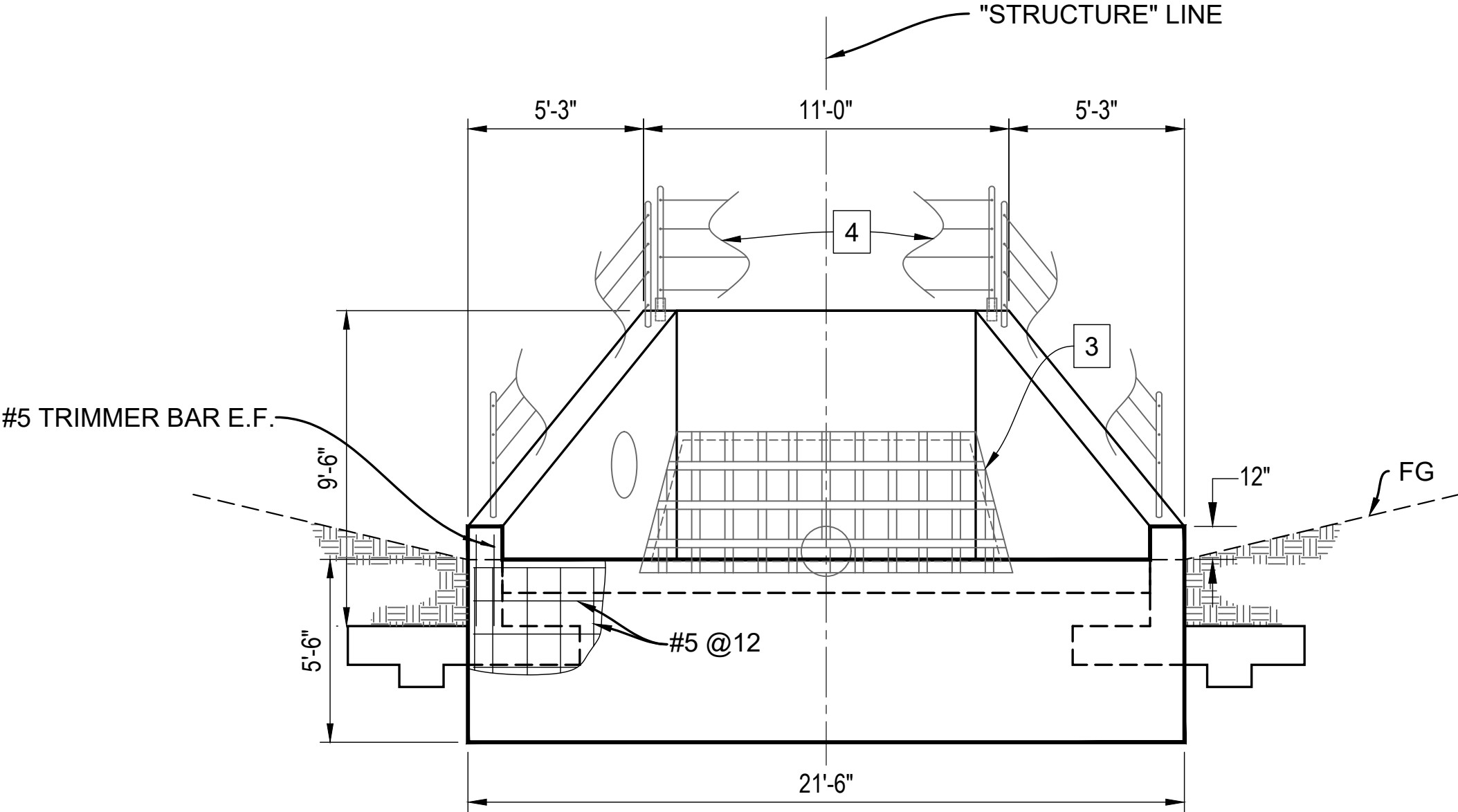
1. IT IS THE CONTRACTORS RESPONSIBILITY TO POTHOLE UTILITIES AS NECESSARY TO VERIFY HORIZONTAL AND VERTICAL LOCATION.
2. SEE TYPICAL SECTIONS, PROFILE AND GRADING SHEETS FOR ADDITIONAL INFORMATION.
3. SHORING NOT SHOWN.
4. AFTER ROUGH GRADING AND PRIOR TO PLACEMENT OF FORMWORK, THE SUBGRADE SHALL BE INSPECTED AND APPROVED BY THE ENGINEER.
5. WALL FOOTINGS SHALL BEAR ON FIRM NATIVE FINE SANDY SOIL WITH SOME SILT. APPROVED SUBGRADE SHALL BE SCARIFIED 6 INCHES, MOISTURE CONDITIONED AS NECESSARY AND COMPACTED TO A MINIMUM OF 95% R.C.

DESIGN NOTES:

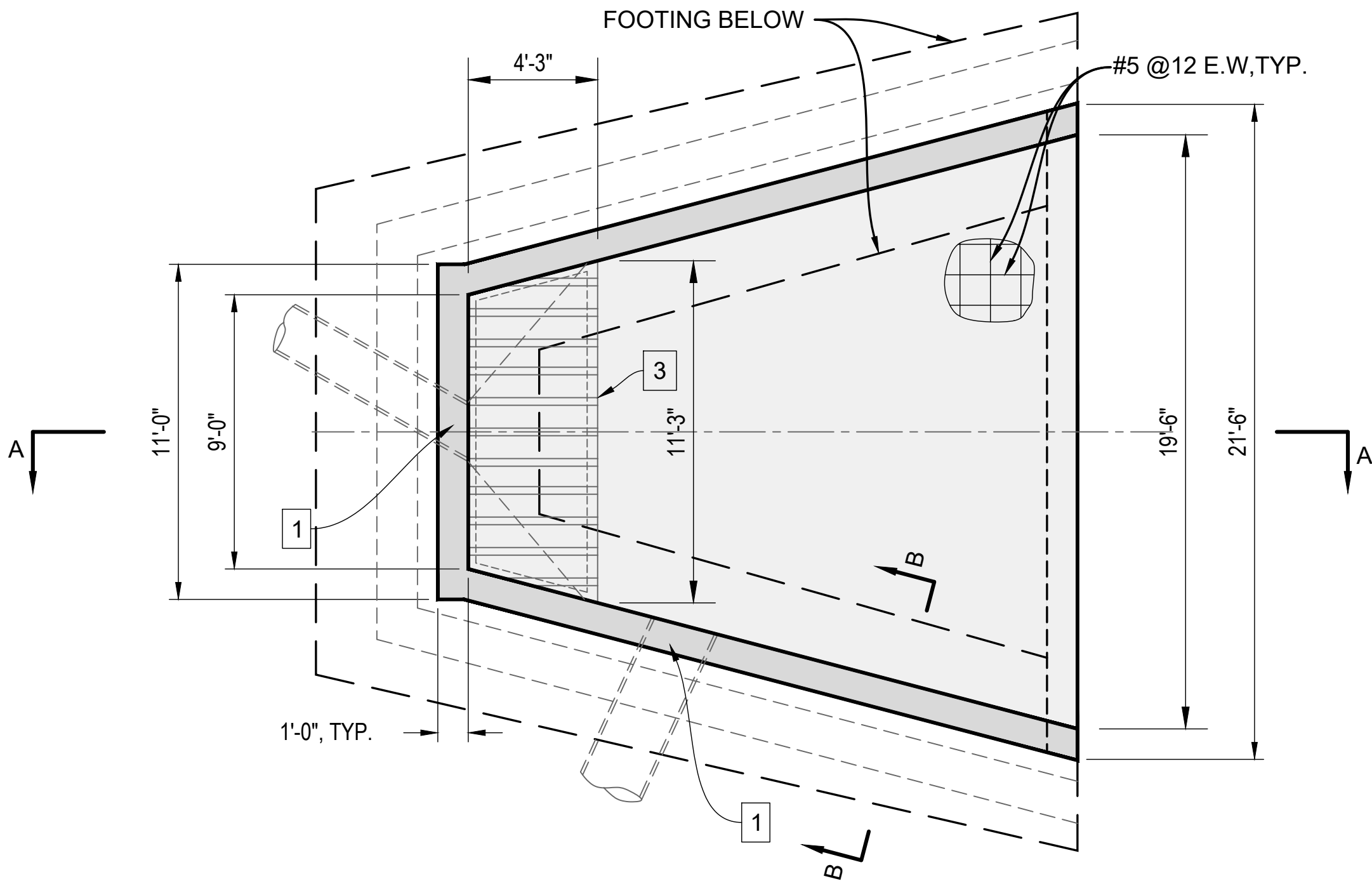
- 1 SEE CALTRANS STANDARD DETAIL B3-6 "RETAINING WALL DETAILS" RETAINING WALL UTILITY OPENING FOR 18" AND 24" PIPE CONNECTIONS.
- 2 CONSTRUCT INLET STRUCTURE WALLS & FOOTINGS PER SPPWC 610-3. REBAR NOT SHOWN SEE STD DETAIL.
- 3 CONSTRUCT DEBRIS RACK PER APWA SPPWC 361-2. (3) HORIZ. BARS ON OUTSIDE FACE EVENLY SPACED. CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATING RACK.
- 4 NOT ALL OF CABLE RAILING SHOWN. SEE CALTRANS STD DETAIL B11-47 SECTION C-C FOR MORE INFORMATION. POSTS ALONG HEADWALL SHALL BE SET IN LARGER DIA. PIPE EMBEDDED IN CONC. TO BE REMOVABLE WITH PIN MECHANISM.
- 5 PERMEABLE BACKFILL AND WEEP HOLE PER CALTRANS STD DETAIL B03-5.



INLET STRUCTURE SECTION A-A
SCALE: 1/2" = 2'

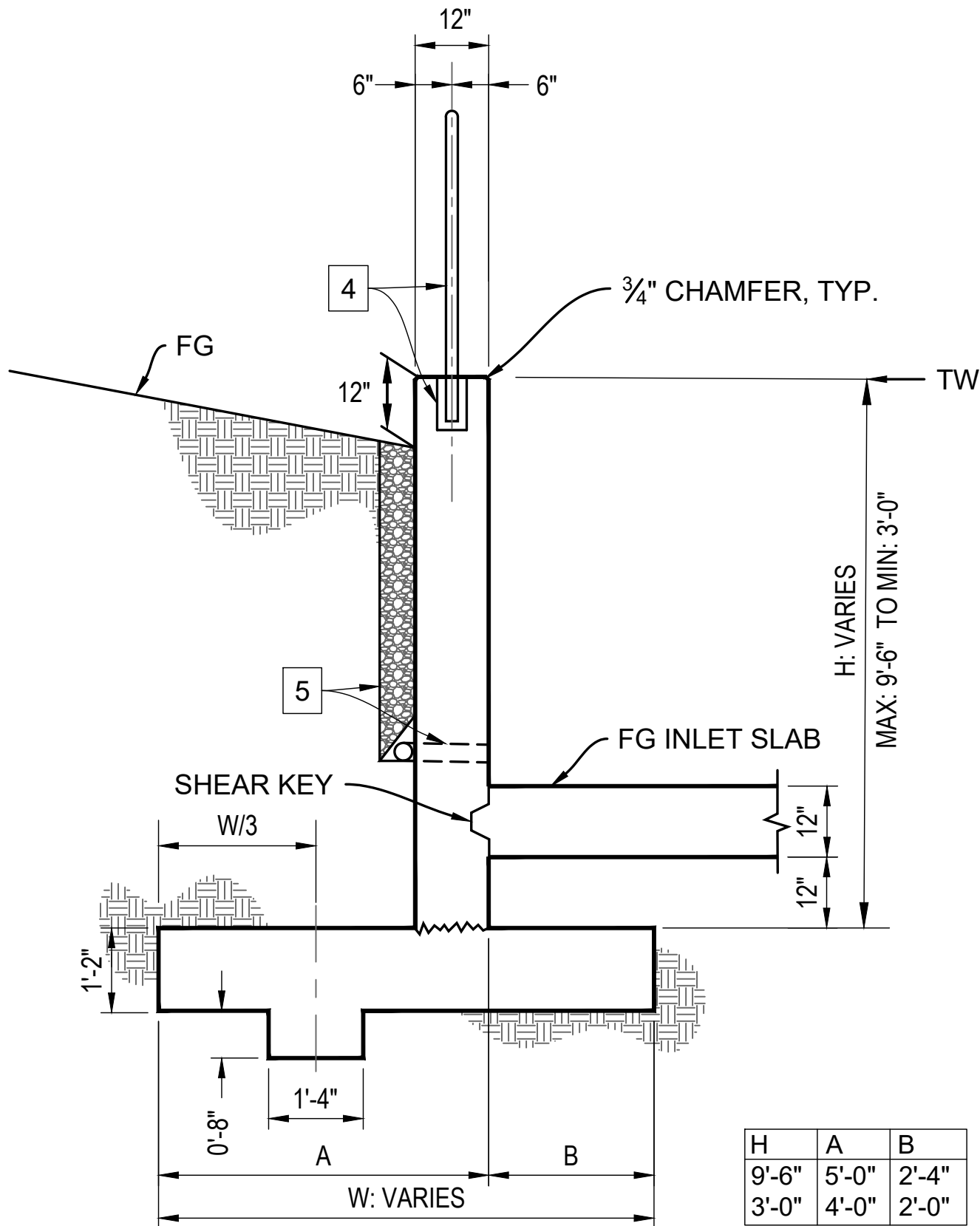


INLET STRUCTURE ELEVATION
SCALE: 1/2" = 2'



INLET STRUCTURE PLAN
SCALE: 1/2" = 2'

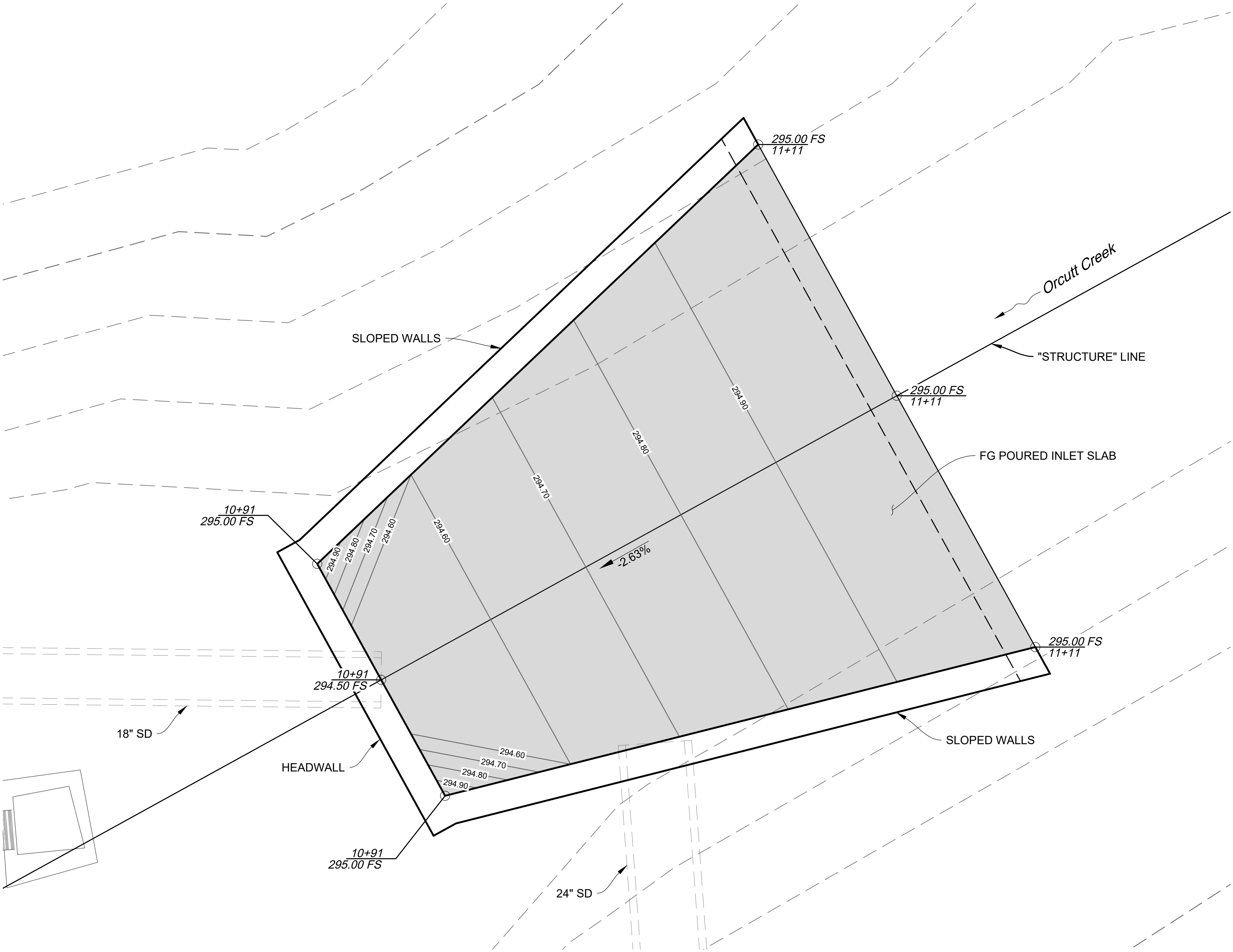
INLET STRUCTURE DETAILS



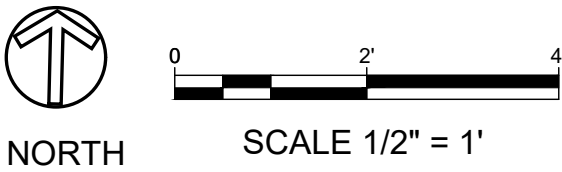
WALL TYPICAL SECTION B-B
NO SCALE

SHEET DESIGNATION
D-3

REVISIONS				REGISTERED PROFESSIONAL ENGINEER Thomas Conti No. 73,108 Exp. 12/31/26 CIVIL STATE OF CALIFORNIA	DESIGNED BY: DESIGNED BY: Thomas Conti 3/24/2026 10:29 AM PDT		SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT 130 E. VICTORIA STREET SANTA BARBARA, CA 93101 (805) 568-3440	SANTA BARBARA COUNTY FLOOD CONTROL DISTRICT	ORCUTT SOLOMON BASIN OUTLET MODIFICATIONS AREA OF UNINCORPORATED SANTA BARBARA COUNTY, CALIFORNIA	INLET STRUCTURE DRAINAGE DETAILS	DESIGNED BY: HS		O-1171					
NO.	DESCRIPTION	DATE	APR		FLOOD CONTROL DESIGN ENGINEER						DRAWN BY: HS							
											CHECKED BY: MG							
												SHEET 10 OF 11						



INLET STRUCTURE SLAB GRADING PLAN
SCALE: 1/2" = 1'



SHEET DESIGNATION
D-4

REVISIONS					DESIGNED BY:  3/24/2026 10:29 AM PDT			SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT 130 E. VICTORIA STREET SANTA BARBARA, CA 93101 (805) 568-3440		ORCUTT SOLOMON BASIN OUTLET MODIFICATIONS AREA OF UNINCORPORATED SANTA BARBARA COUNTY, CALIFORNIA	INLET SLAB GRADING DRAINAGE DETAILS	DESIGNED BY:	O-1171
NO.	DESCRIPTION	DATE	APR		FLOOD CONTROL DESIGN ENGINEER	DATE						HS	
												DRAWN BY:	
												HS	
												CHECKED BY:	SHEET 11 OF 11
												MG	