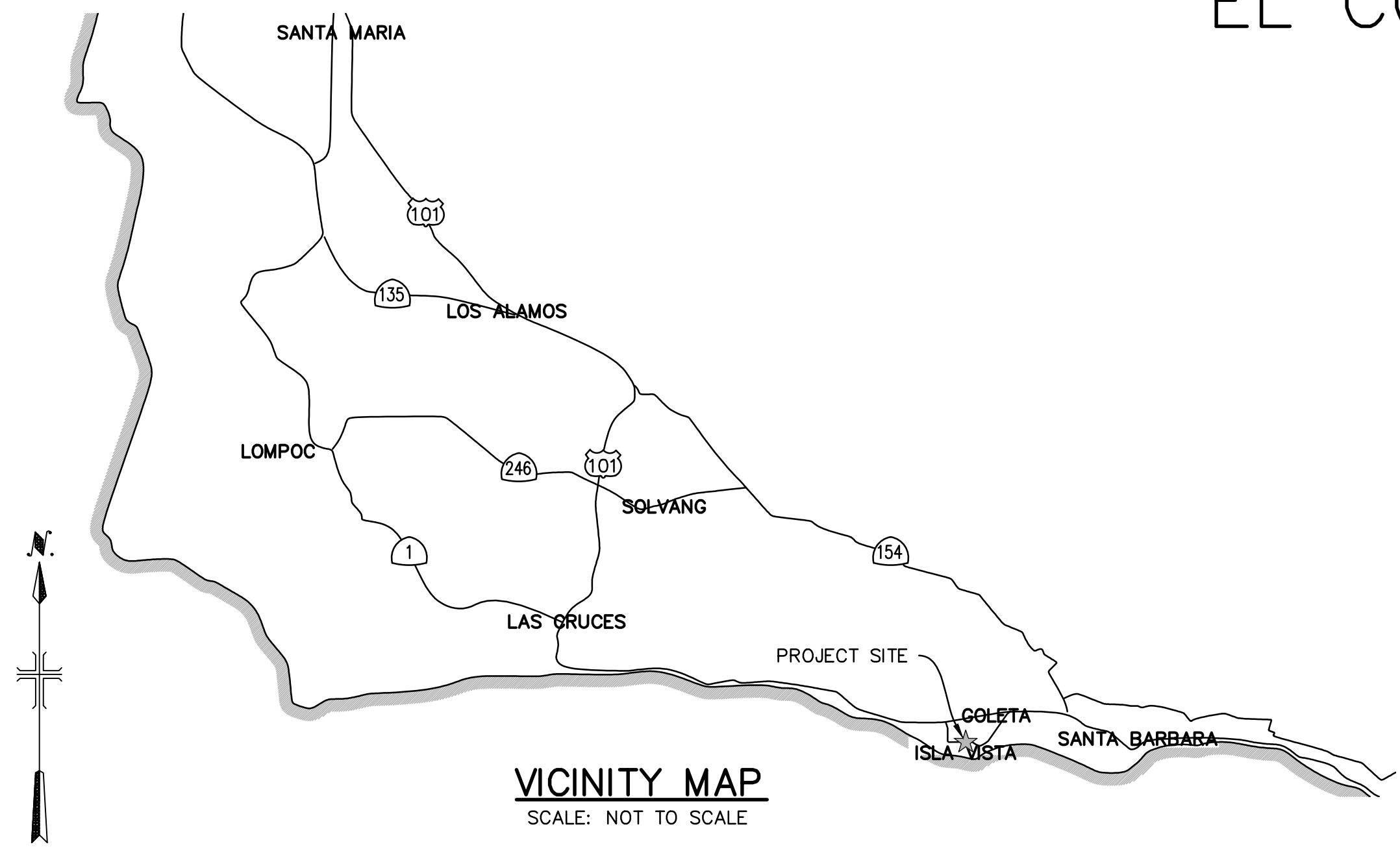


SANTA BARBARA COUNTY ISLA VISTA TRASH CAPTURE DESIGN PROJECT (56STC) EL COLEGIO ROAD HDS UNIT



SHEET INDEX		
SHEET NO.	DRAWING NO.	SHEET TITLE
1	G-01	TITLE SHEET
2	G-02	NOTES, SPECIFICATIONS, ABBREVIATIONS, & SYMBOLS
3	C-01	SITE PLAN AND DETAILS
4	C-02	DETAILS
5	R-01	REFERENCE STANDARD DETAILS

LEGEND:

	RIGHT-OF-WAY LINE
	STREET CENTERLINE
	PROPOSED STORM DRAIN
	EXISTING STORM DRAIN
	EXISTING SANITARY SEWER
	EXISTING NATURAL GAS PIPE
	EXISTING ELECTRICAL CONDUIT
	EXISTING WATER LINE
	EXISTING RECLAIMED WATER LINE
	EXISTING STREET LIGHT CONDUIT
	EXISTING CONTOUR
	FLOW ARROW

ABBREVIATIONS

BOT	BOTTOM
BMP	BEST MANAGEMENT PRACTICE
CDS	CONTINUOUS DEFLECTIVE SEPARATION
CL	CENTER LINE
CLR	CLEARANCE
CF	CURB FACE
CONC	CONCRETE
CSB	COUNTY OF SANTA BARBARA
DWG	DRAWING
EL	ELEVATION
ELEC	ELECTRICAL
FG	FINISHED GRADE
FS	FINISHED SURFACE
FT	FOOT/FEET
GULD	GENERAL USE LEVEL DESIGNATION
HDS	HYDRODYNAMIC SEPARATOR
ID	INSIDE DIAMETER
IN	INCH/INCHES
INV	INVERT ELEVATION
LF	LINEAR FEET
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
OC	ON CENTER
OD	OUTSIDE DIAMETER
OVHD	OVERHEAD
PVC	POLYVINYL CHLORIDE PIPE
PVMT	PAVEMENT
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT-OF-WAY
S	SLOPE
SCH	SCHEDULE
SD	STORM DRAIN
SS	SANITARY SEWER
STD	STANDARD
STLT	STREET LIGHT
TAPE	TECHNOLOGY ASSESSMENT PROTOCOL - ECOLOGY
TC	TOP OF CURB
TYP	TYPICAL
UTIL	UTILITY
VL	VAULT

PROJECT TEAM:

OWNER
SANTA BARBARA COUNTY PUBLIC WORKS
123 EAST ANAPAMU STREET
SANTA BARBARA, CA 93101

DESIGN ENGINEER
GEOSYNTEC CONSULTANTS, INC
1831 SOUTH BROADWAY, SUITE 300
LOS ANGELES, CA 90015

APPROVED – CHAIR, BOARD OF SUPERVISORS	DATE
	5/15/2024 1:58 PM PDT
APPROVED – DIRECTOR OF PUBLIC WORKS	DATE
	5/15/2024 1:56 PM PDT
APPROVAL RECOMMENDED – DEPUTY DIRECTOR	DATE



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100% DESIGN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	JA
DRAWN BY	DLJ
CHECKED BY	AB
APPROVED BY	JA
DATE	5/13/2024



**SANTA BARBARA COUNTY
PUBLIC WORKS**

123 EAST ANAPAMU STREET
SANTA BARBARA, CA 93101

**SANTA BARBARA COUNTY
ISLA VISTA TRASH CAPTURE PROJECT**

TITLE SHEET

JOB NO.	CWR0811
DRAWING NO.	G-01
SCALE	AS SHOWN
SHEET NO.	1 OF 5

GENERAL NOTES:

1. PRIOR TO START OF CONSTRUCTION, VERIFY ALL EXISTING CONDITIONS INCLUDING UTILITIES AND SUBSURFACE CONDITIONS REQUIRED TO PERFORM WORK. IF CONDITIONS DIFFER FROM THOSE SHOWN ON THE DRAWINGS, NOTIFY THE ENGINEER IMMEDIATELY AND STOP WORK UNTIL DIFFERING CONDITIONS HAVE BEEN EVALUATED.
2. SHOULD CONFLICTING INFORMATION BE FOUND ON THE PLANS, NOTIFY THE ENGINEER BEFORE PROCEEDING WITH THE WORK IN QUESTION.
3. ALL CONSTRUCTION OPERATIONS ARE TO BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE STATE STATUTES AND U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS (OSHA). COPIES OF OSHA STANDARDS MAY BE PURCHASED FROM THE U.S. GOVERNMENT PRINTING OFFICE.
4. TEMPORARY FACILITIES: CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY FACILITIES INCLUDING POWER, WATER, AND SANITARY FACILITIES NEEDED FOR CONSTRUCTION.

SANTA BARBARA COUNTY NOTES:

1. INSPECTION BY THE COUNTY ENGINEER SHALL BE REQUESTED BY THE CONTRACTOR IMMEDIATELY PRIOR TO COMMENCING AND IMMEDIATELY AFTER COMPLETING EACH PHASE OF CONSTRUCTION.
2. THE STANDARD TEST FOR MAXIMUM DENSITY AND OPTIMUM MOISTURE CONTENT SHALL BE ASTM D 1557 (CURRENT VERSION) METHOD "A", "B", OR "C". FIELD TEST FOR IN PLACE DENSITY AND MOISTURE CONTENT SHALL BE ASTM D 2922 AND D 3017 (CURRENT VERSIONS). TEST METHOD "C" MAY BE MODIFIED TO ALLOW THE USE OF CALIFORNIA TEST METHOD 370 FOR DETERMINING MOISTURE CONTENT OF MINERAL AGGREGATE USING MICROWAVE OVENS.
3. WATER FOR COMPACTION AND DUST CONTROL SHALL BE MADE AVAILABLE BY THE CONTRACTOR. DUST AND EROSION CONTROL ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE AS DIRECTED BY THE COUNTY ENGINEER.
4. ASPHALT CONCRETE USED FOR PAVING SHALL BE MADE WITH PERFORMANCE-GRADE ASPHALT AND AGGREGATE SORTED TO CALTRANS STANDARD SPECIFICATIONS, SECTION 39. THE MIX DESIGN SHALL BE APPROVED BY THE COUNTY ENGINEER PRIOR TO PLACEMENT. THE CALTRANS SPECIFICATIONS FOR MIXING, HAULING, SPREADING, AND COMPACTING SHALL BE STRICTLY FOLLOWED.
5. OVERLAY SECTIONS SHALL CONSIST OF 1/2" MAX AGGREGATE WITH MEDIUM GRADING.

EROSION & SEDIMENT CONTROL NOTES:

1. ALL CONSTRUCTION/DEMOLITION, GRADING, AND STORAGE OF BULK MATERIALS MUST COMPLY WITH THE SANTA BARBARA COUNTY AIR POLLUTION CONTROL DISTRICT RULE 345, CONTROL OF FUGITIVE DUST FROM CONSTRUCTION AND DEMOLITION ACTIVITIES.
2. ALL DEBRIS SHALL BE CLEANED UP DAILY AND SECURED AT THE END OF THE DAY.
3. PROTECT DOWNSTREAM CATCH BASIN AND SURFACE WATERS FROM CONVEYANCE OF CONSTRUCTION POLLUTANTS. MAINTAIN AND MODIFY AS NEEDED DURING CONSTRUCTION.




SURVEY NOTES:

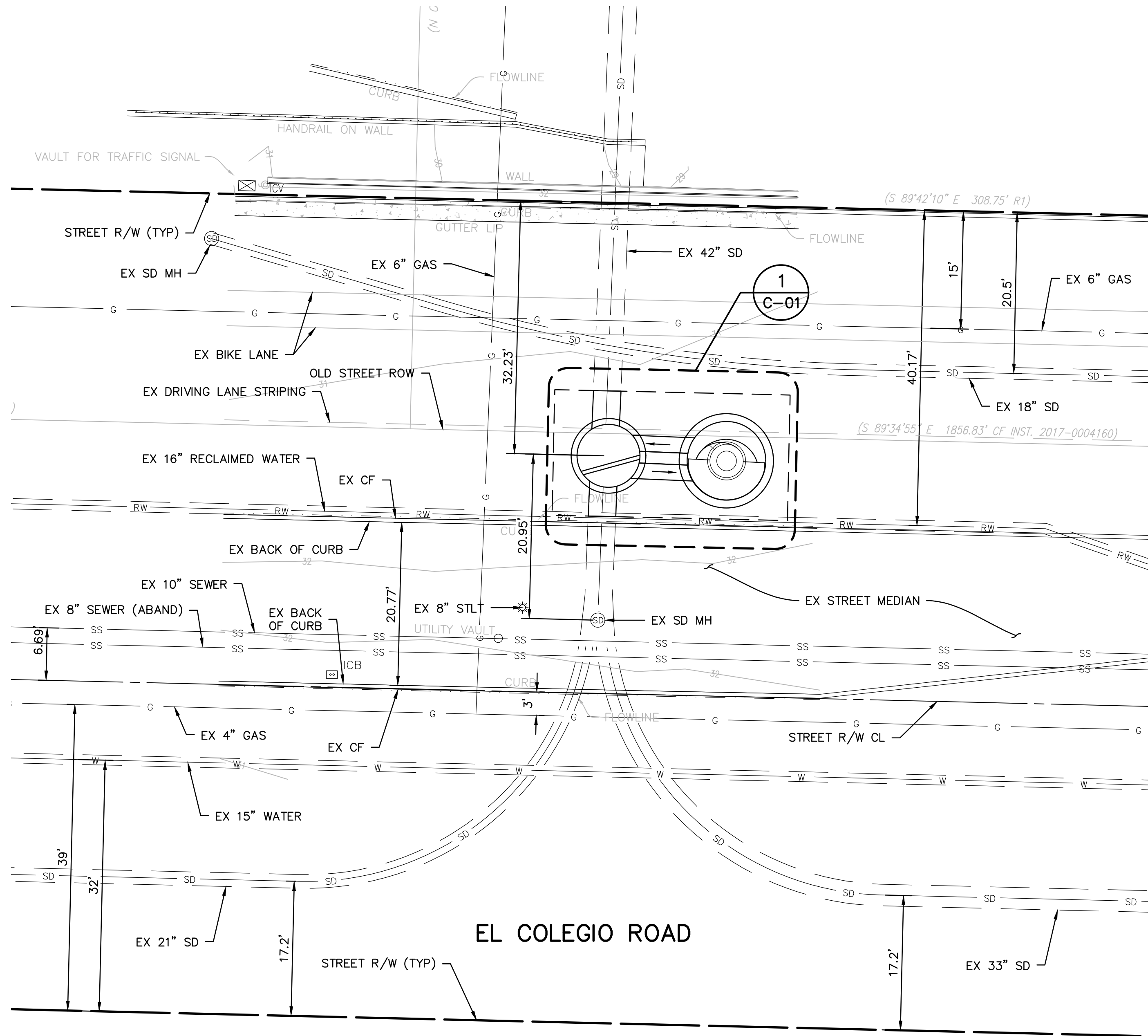
1. LOCAL BENCHMARK: THE BENCHMARK FOR THIS SURVEY IS POINT 421 AS SHOWN HEREON HAVING AN ELEVATION OF 29.57.
2. VERTICAL AND PROJECT BENCHMARK: THE VERTICAL DATUM FOR THIS SURVEY IS NAVD88 BASED ON STATIC TIES TO CORS STATION C0PR USING A PUBLISHED ELEVATION OF 45.41' PER THE RECORD OF SURVEY FIELD IN BOOK 212 PAGE 48 ET SEQ OF RECORDS OF SURVEYS.
3. BASIS OF BEARINGS: THE BASIS OF BEARINGS FOR THIS SURVEY IS CCS83 (2017.50) BASED ON STATIC TIES TO CORS STATION C0PR USING COORDINATES PUBLISHED ON THE RECORD OF SURVEY FIELD IN BOOK 212 PAGE 38 SEQ OF RECORD OF SURVEYS.

SPECIFICATIONS:

1. GENERAL:
 - 1.1. ALL WORK SHALL CONFORM TO THE 2023 EDITION OF CALTRANS STANDARD SPECIFICATIONS.
 - 1.2. INSTALL MATERIALS AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER GUIDELINES UNLESS OTHERWISE NOTED ON DRAWINGS AND SPECIFICATIONS.
 - 1.3. EQUAL PRODUCTS: CONTRACTOR CAN PROVIDE "EQUAL" PRODUCTS FOR ALL MATERIALS SPECIFIED. IF EQUAL PRODUCTS ARE PROPOSED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO DEMONSTRATE THAT THE PROPOSED PRODUCTS ARE EQUAL TO THE SPECIFIED PRODUCT. PRE-APPROVED MATERIALS ARE NOTED IN PARENTHESIS.
2. EARTHWORK:
 - 2.1. NO FILL TO BE PLACED UNTIL EXCAVATION BOTTOM HAS BEEN INSPECTED AND APPROVED BY THE ENGINEER.
 - 2.2. SUBGRADE PREPARATION: SCARIFY AND RE-COMPACT TOP 6 INCHES OF LOOSE OR DISTURBED SUBGRADE UNLESS OTHERWISE DIRECTED BY THE ENGINEER. FILL MAY BE PLACED DIRECTLY ON TOP OF UNDISTURBED NATIVE MATERIALS AS DETERMINED BY THE ENGINEER.
 - 2.3. FILL MATERIAL: SCREENED NATIVE MATERIALS ARE SUITABLE FOR USE AS FILL MATERIAL. SCREENED NATIVE MATERIALS SHALL BE FREE OF ORGANIC MATTER, DELETERIOUS MATERIALS, AND ROCKS OR OTHER OBJECTS LARGER THAN 2 INCHES.
 - 2.4. ALL FILL SHALL BE COMPACTED TO THE FOLLOWING MINIMUM RELATIVE COMPACTION CRITERIA:
 - 2.4.1. BASE MATERIAL UNDER ALL PAVEMENT MATERIALS INCLUDING CONCRETE AND ASPHALT CONCRETE: 95 PERCENT
 - 2.4.2. BASE MATERIAL UNDER ALL CONCRETE STRUCTURES AND IMPROVEMENTS INCLUDING CURB, GUTTER, SIDEWALK, CURB RAMPS, AND DRIVEWAYS: 95 PERCENT
 - 2.4.3. SOIL BACKFILL: 90 PERCENT
 - 2.4.4. DISTURBED SUBGRADE: 90 PERCENT
3. PIPE AND FITTINGS:
 - 3.1. PIPE AND FITTINGS:
 - 3.1.1. PIPE BETWEEN DIVERSION MANHOLE AND HYDRODYNAMIC SEPARATOR: CORRUGATED DUAL WALLED HDPE WATER TIGHT (ADS N-12 DUAL WALL WT)
 - 3.1.2. PROVIDE FITTINGS AND ADAPTERS AS NECESSARY TO COMPLETE WORK
 - 3.2. PROVIDE MINIMUM SLOPE OF 1% UNLESS OTHERWISE SHOWN ON DRAWINGS
 - 3.3. PIPE BEDDING, WHERE REQUIRED, SHALL BE ONE OF THE FOLLOWING:
 - 3.3.1. SAND
 - 3.3.2. CALTRANS STANDARD SPECIFICATIONS SECTION 25 CLASS 1 AGGREGATE SUBBASE
 - 3.3.3. UNDISTURBED NATIVE FREE DRAINING MATERIAL
4. TRASH COLLECTION STRUCTURES:
 - 4.1. DIVERSION MANHOLE STRUCTURE: 8-FOOT ID PRECAST MANHOLE WITH 30-INCH CLEAR OPENINGS, H-20 TRAFFIC RATED FRAME AND COVER
 - 4.2. NOT USED
5. ROCK MATERIALS:
 - 5.1. ROAD BASE: CALTRANS STANDARD SPECIFICATIONS SECTION 26 CLASS 2 AGGREGATE BASE
 - 5.2. WASHED CRUSHED ROCK: CALTRANS STANDARD SPECIFICATIONS SECTION 26 CLASS 2 3/4" AGGREGATE BASE
6. CONCRETE MATERIALS:
 - 6.1. CAST-IN-PLACE OR PRECAST DRAINAGE STRUCTURES: CALTRANS STANDARD SPECIFICATIONS 51 590 LB/CU YD, MAX COMPRESSIVE STRENGTH = 3,600 PSI, MAX AGGREGATE SIZE = 1 INCH
 - 6.2. MORTAR: CALTRANS STANDARD SPECIFICATIONS SECTION 51
 - 6.3. CONCRETE SLURRY: CALTRANS STANDARD SPECIFICATIONS SECTION 19
 - 6.4. CONCRETE FINISH: CALTRANS STANDARD SPECIFICATIONS SECTION 51 ORDINARY SURFACE FINISH
 - 6.5. CONCRETE CURING: CALTRANS STANDARD SPECIFICATIONS SECTION 90 TYPE I-D MEMBRANE CURING COMPOUND
 - 6.6. EPOXY ADHESIVE ANCHOR: HILTI HIT-RE 100
7. BITUMINOUS MATERIALS:
 - 7.1. CALTRANS STANDARD SPECIFICATIONS SECTION 39

100% DESIGN

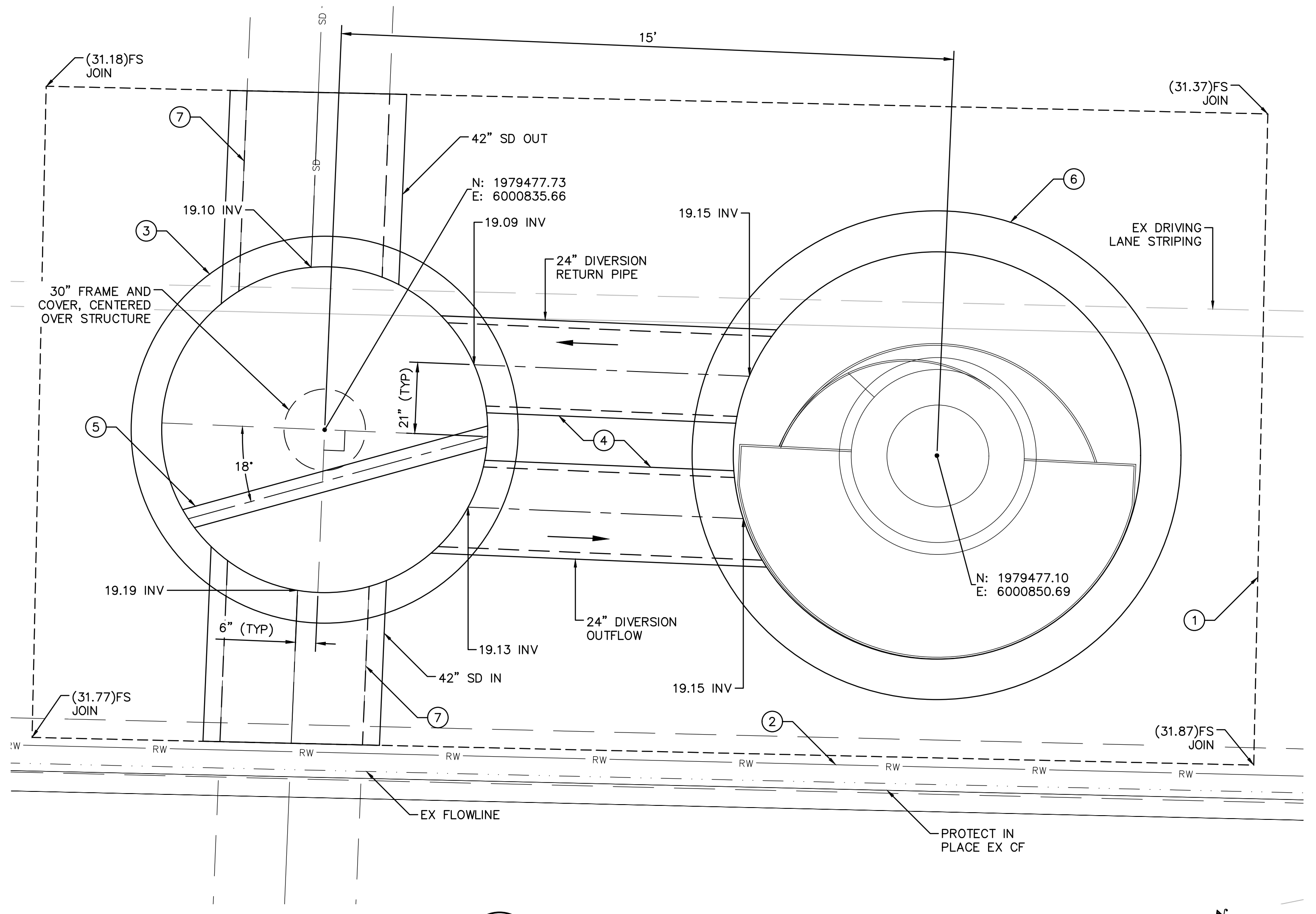
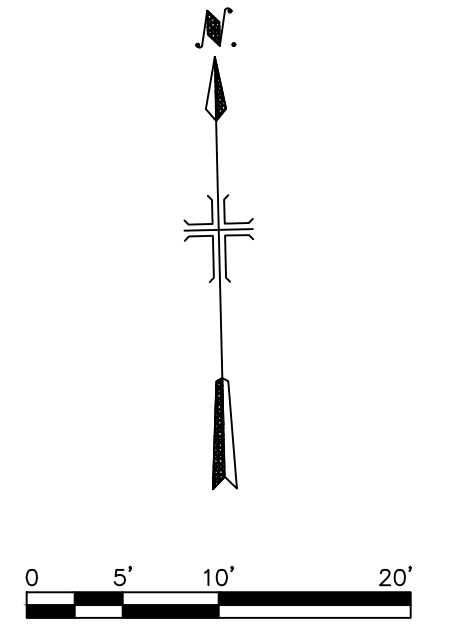
DESIGNED BY	JA				SANTA BARBARA COUNTY PUBLIC WORKS 123 EAST ANAPAMU STREET SANTA BARBARA, CA 93101	SANTA BARBARA COUNTY ISLA VISTA TRASH CAPTURE PROJECT NOTES AND SPECIFICATIONS	JOB NO.	CWR0811
DRAWN BY	DLJ						DRAWING NO.	G-02
CHECKED BY	AB						SCALE	NONE
APPROVED BY	JA						SHEET NO.	2 OF 5
DATE	5/13/2024							
REV	DATE	BY	CHK	APP	DESCRIPTION			



SITE PLAN:
SCALE: 1" = 10'

UTILITY NOTES:

1. POTHOLE ALL EXISTING UTILITIES THAT MEET ANY OF THE FOLLOWING CONDITIONS:
 - 1.1. EXISTING UTILITIES TO BE CROSSED BY PROPOSED DRAIN PIPE
 - 1.2. EXISTING UTILITIES LOCATED WITHIN PROPOSED EXCAVATION FOOTPRINT
2. FINAL DIVERSION MANHOLE AND HYDRODYNAMIC SEPARATOR UNIT LOCATION AND ROUTING OF PROPOSED DRAIN PIPE BETWEEN DIVERSION MANHOLE AND HYDRODYNAMIC SEPARATOR UNIT MAY BE FIELD ADJUSTED BY THE ENGINEER.
3. FOR HEAVY EQUIPMENT, MAINTAIN 10' MINIMUM HORIZONTAL CLEARANCE FROM EXISTING OVERHEAD UTILITIES AND UTILITY POLES.
4. PROTECT IN PLACE ALL UTILITIES ENCOUNTERED NEAR IMPROVEMENT LOCATIONS.



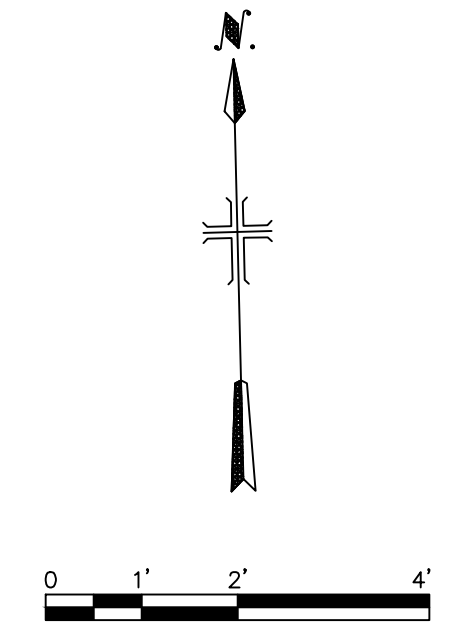
1
C-01 ENLARGED SITE PLAN
SCALE: 1" = 2'

CONSTRUCTION NOTES:

- (X) SEE CORRESPONDING CONSTRUCTION NOTES BELOW:
1. SAWCUT; REMOVE EXISTING AND INSTALL NEW BASE MATERIAL (6" MIN) & ACP (6" MIN) TO MATCH EXISTING SECTION PER REFERENCE DETAIL C/R-01.
 2. POTHOLE EXISTING UTILITY, PROTECT IN PLACE
 3. INSTALL 8" ID DIVERSION MANHOLE PER 1/C-01 & A/C-02.
 4. INSTALL 24" HDPE PIPE @ 0.4% PER DETAIL 1/C-01 & EACH END WITH ADAPTER BOOT AND GASKET AS SHOWN IN DETAIL D/C-02.
 5. CONSTRUCT REINFORCED CONCRETE BERM PER DETAIL A/C-02 & B/C-02.
 6. INSTALL 10' ID HYDRODYNAMIC SEPARATOR UNIT (E.G. CONTECH CDS UNIT CDS5653-10) PER DETAIL 1/C-01 & A/C-02.
 7. DEMO EX 42" RCP TO THE NEAREST JOINT OUTSIDE OF DIVERSION MANHOLE BASE. RECONSTRUCT IN KIND.

DEFERRED DESIGN SUBMITTALS AND PERMITS BY CONTRACTOR:

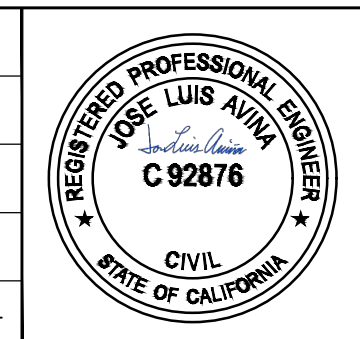
1. TRAFFIC CONTROL PLANS PREPARED BY A LICENSED ENGINEER AND PERMIT
2. SHORING SUBMITTAL PREPARED BY A LICENSED ENGINEER AND PERMIT
3. DEWATERING SUBMITTAL PREPARED BY A LICENSED ENGINEER AND ASSOCIATED PERMIT



100% DESIGN

REV	DATE	BY	CHK	APP	DESCRIPTION

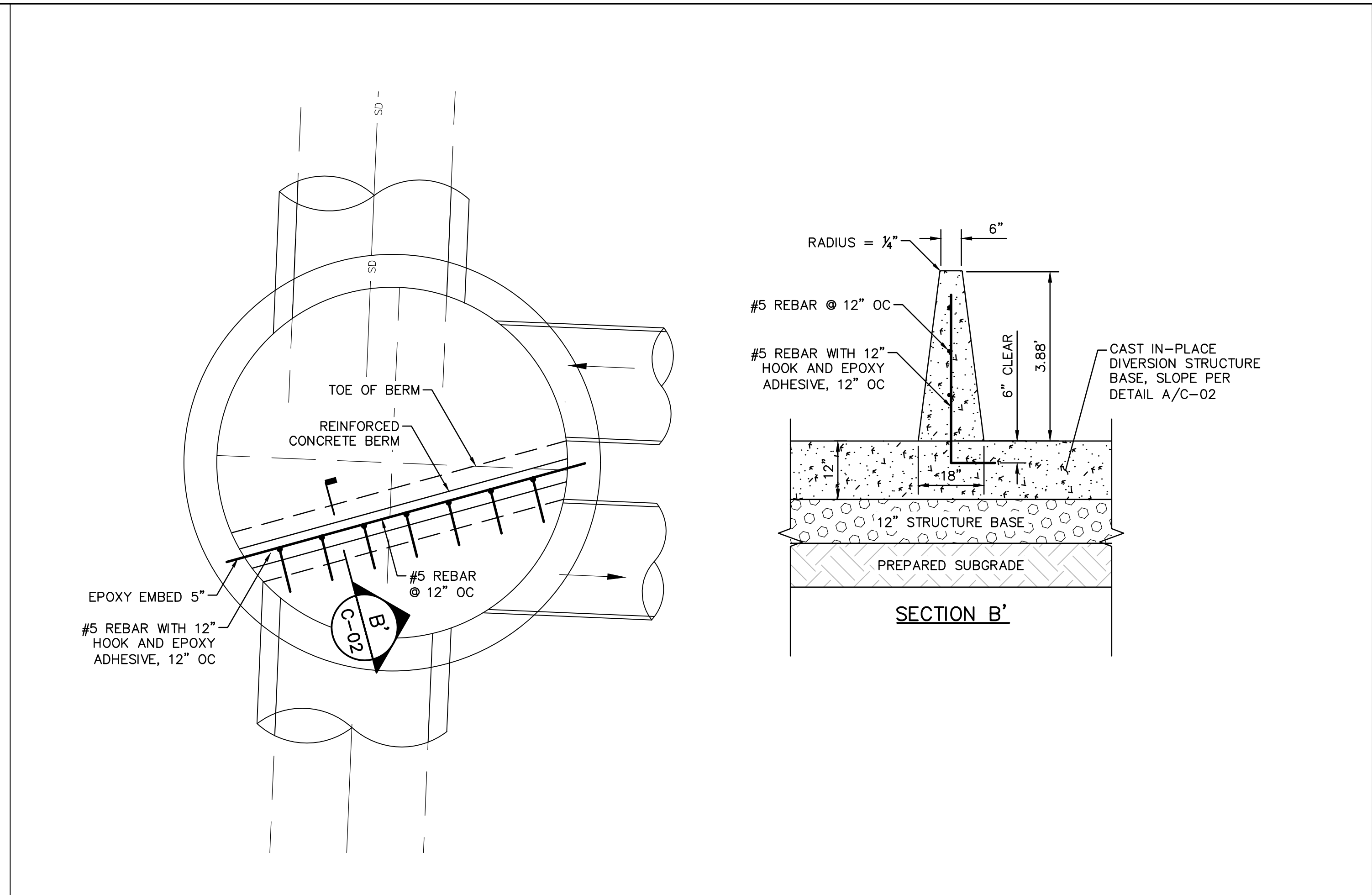
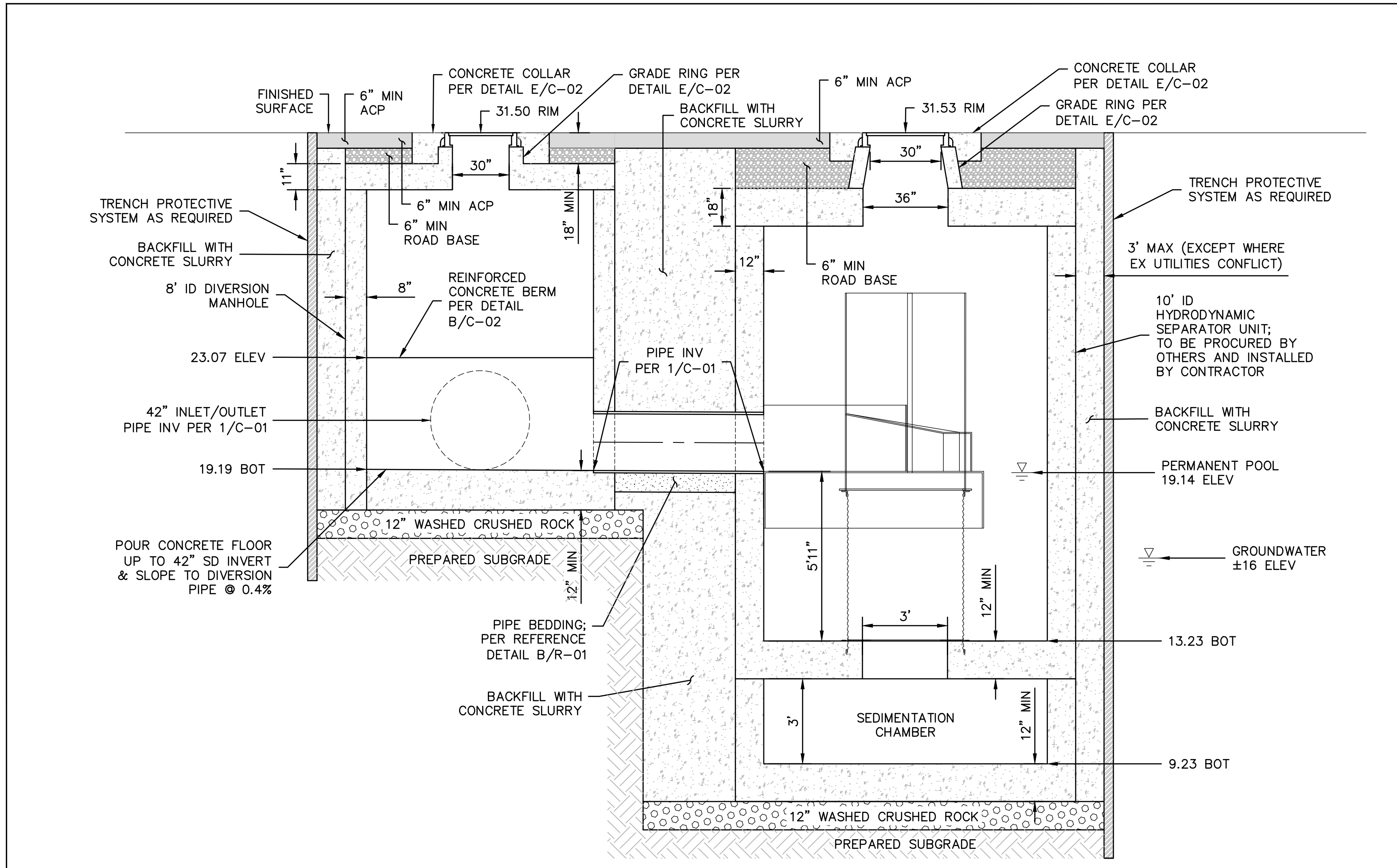
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DATE	5/13/2024



SANTA BARBARA COUNTY
PUBLIC WORKS
123 EAST ANAPAMU STREET
SANTA BARBARA, CA 93101

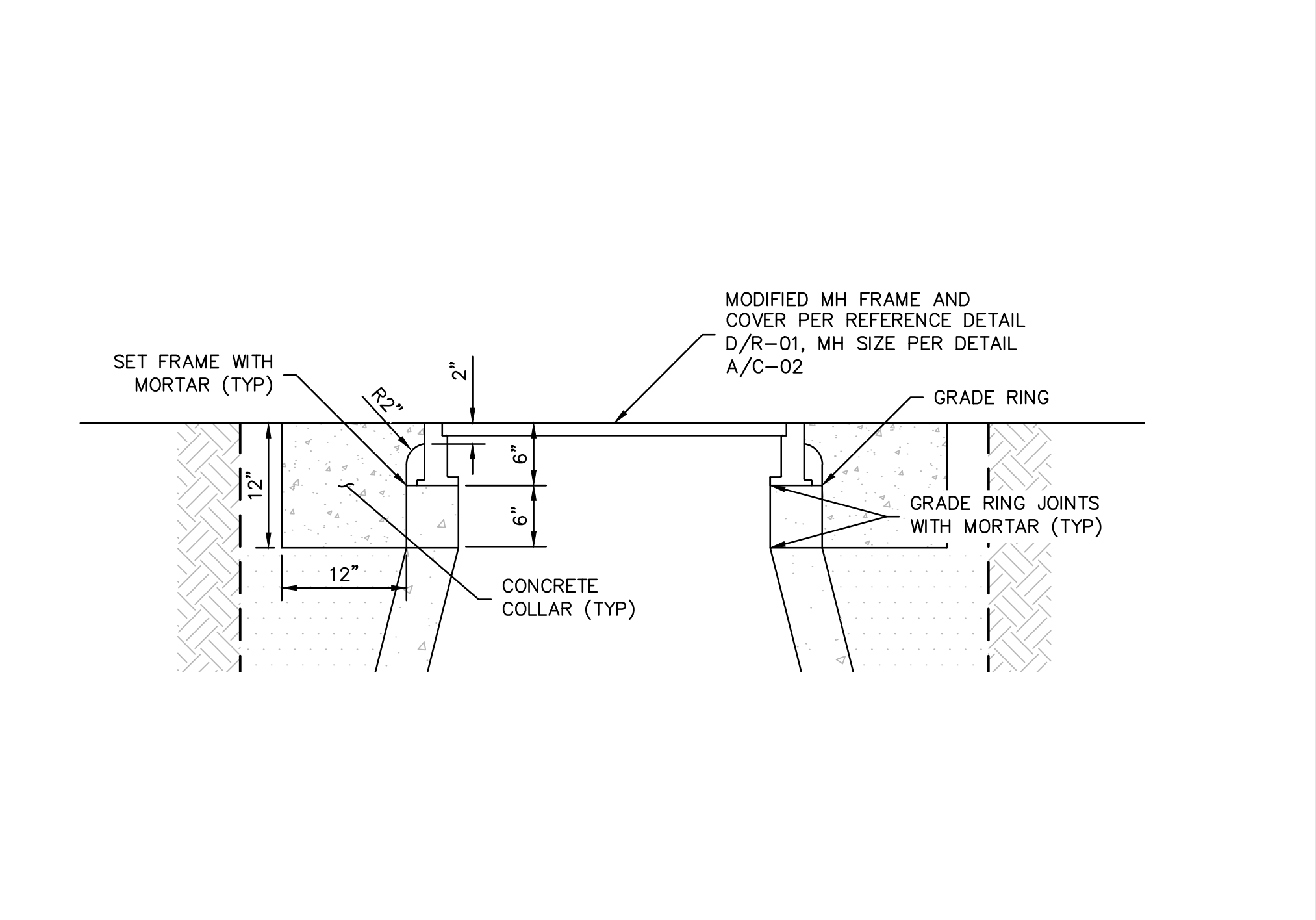
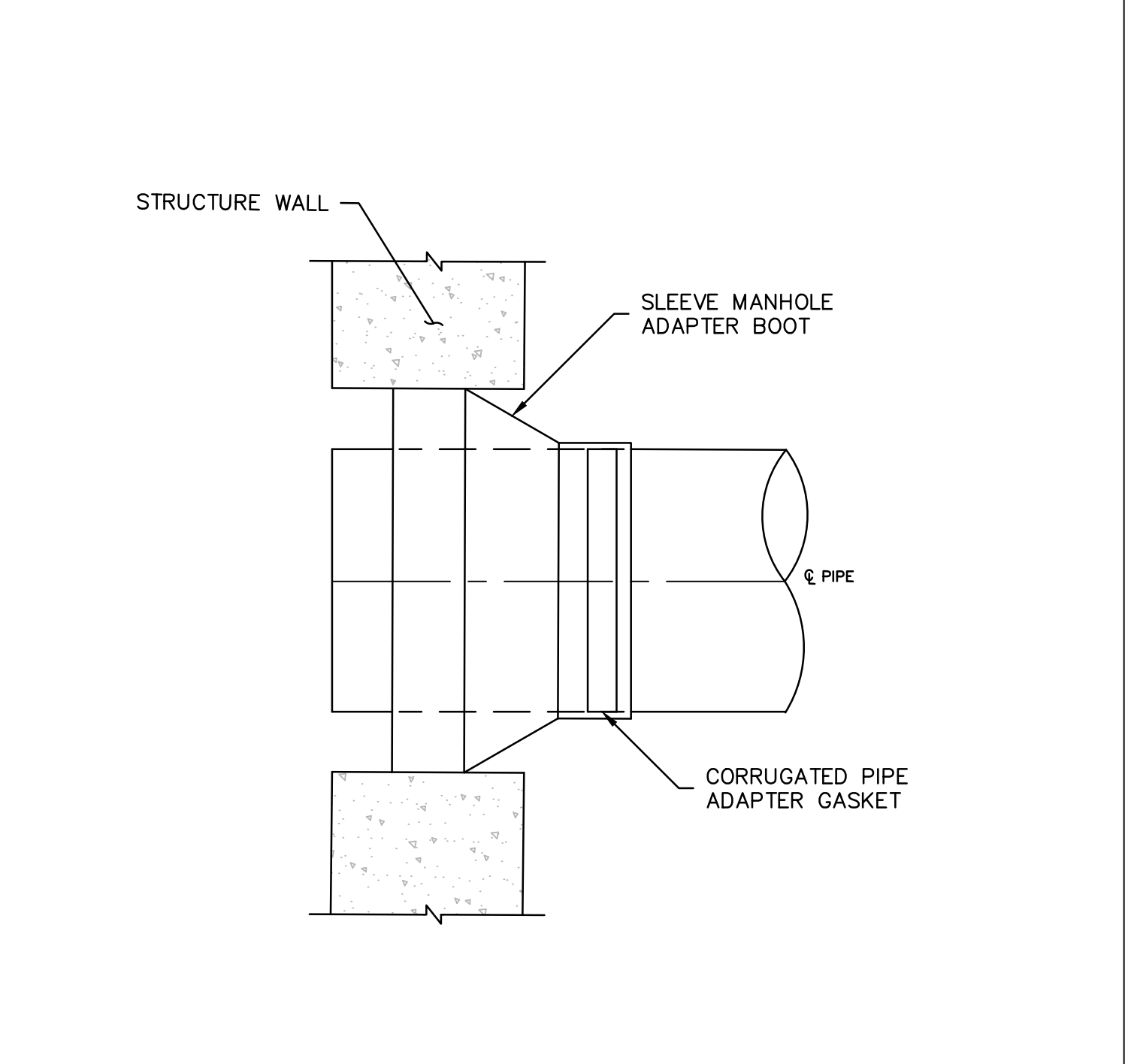
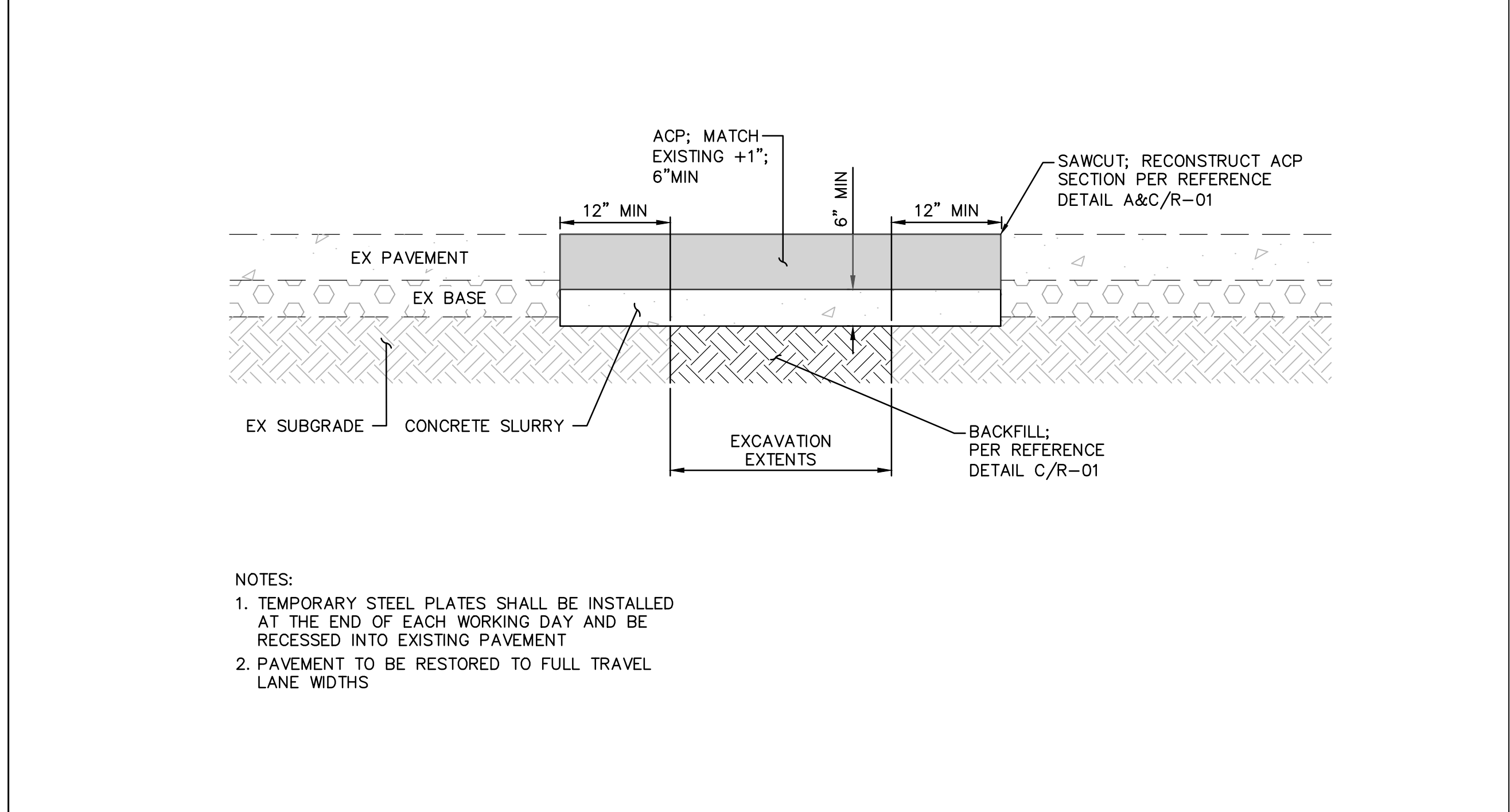
SANTA BARBARA COUNTY
ISLA VISTA TRASH CAPTURE PROJECT
SITE PLAN AND DETAILS

JOB NO.	CWR0811
DRAWING NO.	C-01
SCALE	AS SHOWN
SHEET NO.	3 OF 5



A DIVERSION STRUCTURE & HYDRODYNAMIC SEPARATOR (HDS)
NOT TO SCALE REFERENCE SHEET C-01

B DIVERSION BERM DETAIL
SCALE: 1" = 2' REFERENCE SHEET C-01



100% DESIGN

C PAVEMENT RESTORATION DETAIL
NOT TO SCALE REFERENCE SHEET C-01

D PENETRATION SEAL AT WALL
NOT TO SCALE --

E TYP MH FRAME AND COVER
NOT TO SCALE --

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	JA
DRAWN BY	DLJ
CHECKED BY	AB
APPROVED BY	JA
DATE	5/13/2024



SANTA BARBARA COUNTY
PUBLIC WORKS
123 EAST ANAPAMU STREET
SANTA BARBARA, CA 93101

SANTA BARBARA COUNTY
ISLA VISTA TRASH CAPTURE PROJECT
DETAILS

JOB NO.	CWR0811
DRAWING NO.	C-02
SCALE	AS SHOWN
SHEET NO.	4 OF 5

1. COUNTY STANDARD PLANS AND SPECIFICATIONS SHALL INCLUDE THE CURRENT VERSIONS OF CALTRANS STANDARD PLANS AND SPECIFICATIONS AND APWA STANDARD PLANS AND SPECIFICATIONS FOR SOUTHERN CALIFORNIA. IF THERE IS A CONFLICT BETWEEN THESE STANDARD PLANS AND SPECIFICATIONS, THE COUNTY STANDARD DETAILS SHALL GOVERN ON COUNTY ROADS. CALTRANS PLANS SHALL HAVE PRECEDENCE OVER APWA PLANS UNLESS SPECIFICALLY STATED OTHERWISE.

2. CONSTRUCTION PLANS SHALL BE PREPARED IN ACCORDANCE WITH DEPARTMENT OF PUBLIC WORKS ENGINEERING DESIGN STANDARDS OR CURRENT CALTRANS STANDARD PLANS AND SPECIFICATIONS.

3. COMMENCEMENT OF CONSTRUCTION SHALL NOT BE AUTHORIZED UNTIL SUCH TIME THAT THE CONSTRUCTION PLANS HAVE BEEN REVIEWED BY THE DIRECTOR OF PUBLIC WORKS AND AN ENCROACHMENT PERMIT HAS BEEN ISSUED. THE "DIRECTOR OF PUBLIC WORKS" SHALL BE INTERPRETED TO MEAN THE DIRECTOR OR HIS DESIGNATED REPRESENTATIVE(S) REFERRED TO HERE AS THE COUNTY ENGINEER.

4. INSPECTION BY THE COUNTY ENGINEER SHALL BE REQUESTED BY THE CONTRACTOR IMMEDIATELY PRIOR TO COMMENCING AND IMMEDIATELY AFTER COMPLETING EACH PHASE OF CONSTRUCTION.

5. UNLESS PRIOR AUTHORIZATION HAS BEEN GRANTED BY THE COUNTY ENGINEER, ALL VERTICAL DATUM SHALL BE BASED ON NAVD 88 DATUM, AND HORIZONTAL COORDINATES BASED ON NAD 83 DATUM.

6. THE STANDARD TEST FOR MAXIMUM DENSITY AND OPTIMUM MOISTURE CONTENT SHALL BE ASTM D 1557 (CURRENT VERSION) METHOD "A", "B", OR "C". FIELD TEST FOR IN PLACE DENSITY AND MOISTURE CONTENT SHALL BE ASTM D 2922 AND D 3017 (CURRENT VERSIONS). TEST METHOD "C" MAY BE MODIFIED TO ALLOW THE USE OF CALIFORNIA TEST METHOD 370 FOR DETERMINING MOISTURE CONTENT OF MINERAL AGGREGATE USING MICROWAVE OVENS.

7. WATER FOR COMPACTION AND DUST CONTROL SHALL BE MADE AVAILABLE BY THE CONTRACTOR. JUST AND EROSION CONTROL ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE AS DIRECTED BY THE COUNTY ENGINEER.

8. AN EROSION & SEDIMENT CONTROL PLAN OR A STORM WATER POLLUTION PREVENTION PLAN SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY THE COUNTY ENGINEER IN ACCORDANCE WITH THE COUNTY GRADING CODE (CHAPTER 14 SBC) OR WITH THE STATE CONSTRUCTION GENERAL PERMIT FOR DISCHARGES OF STORM WATER AS APPLICABLE.

9. TRENCH BEDDING AND BACKFILL FOR ALL STORM DRAINS, CULVERTS, AND UTILITY TRENCHING SHALL COMPLY WITH THE DETAILS OF SECTION 2.

10. ALL DRAINAGE FACILITIES SHALL COMPLY WITH THE STANDARDS OF SECTION 3.

11. ALL CURBS AND DRIVEWAYS SHALL COMPLY WITH THE STANDARDS OF SECTION 4.

12. ALL SIDEWALKS & RAMPS SHALL COMPLY WITH THE STANDARDS OF SECTION 5.

13. ALL ROAD PROFILES AND STRUCTURAL SECTIONS SHALL COMPLY WITH THE STANDARDS OF SECTION 6.

14. STREET NAME SIGNS, BARRICADES, TRAFFIC CONTROL AND TRAFFIC WARNING SIGNS SHALL BE PLACED IN ACCORDANCE WITH SECTION 7 OF THESE STANDARD DETAILS AND THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, ALL OF CURRENT DATE.

COUNTY OF SANTA BARBARA, CA - DEPARTMENT OF PUBLIC WORKS - TRANSPORTATION		APPROVED BY:
1-010	GENERAL STREET SPECIFICATIONS	<i>[Signature]</i> 1/1/2011
SHT 1/2	REVISION DATES	DIRECTOR OF PUBLIC WORKS DATE

15. UTILITIES CONSTRUCTED UNDERGROUND SHALL BE STUBBED OUT TO THE PROPERTY LINES AT EACH LOT, AT EACH TRACT LINE, AND AT THE END OF STUB STREETS OR THROUGH STREETS UNDER CONSTRUCTION. TRENCHES SHALL BE BACKFILLED, TESTED FOR COMPACTION, LEAK-TESTED, AND INSPECTED BY THE UTILITY COMPANY AND THE COUNTY ENGINEER BEFORE BASE, PAVING, AND OTHER PERMANENT SURFACE CONSTRUCTION MAY COMMENCE.

16. ASPHALTIC CONCRETE USED FOR PAVING AND A. C. DIKES SHALL BE MADE WITH A PERFORMANCE-GRADE ASPHALT AND AGGREGATE SORTED TO CALTRANS STANDARD SPECIFICATIONS, SECTION 39. THE MIX DESIGN SHALL BE APPROVED BY THE COUNTY ENGINEER PRIOR TO PLACEMENT. THE CALTRANS SPECIFICATIONS FOR MIXING, HAULING, SPREADING, AND COMPACTION SHALL BE STRICTLY FOLLOWED.

17. OVERLAY SECTIONS SHALL CONSIST OF 1/2" MAX AGGREGATE WITH MEDIUM GRADING ASPHALT EMULSION SHALL BE APPLIED UNDER PAVEMENT REINFORCING FABRIC WHERE FABRIC IS SPECIFIED.

COUNTY OF SANTA BARBARA, CA - DEPARTMENT OF PUBLIC WORKS - TRANSPORTATION		APPROVED BY:
1-010	GENERAL STREET SPECIFICATIONS	<i>[Signature]</i> 1/1/2011
SHT 2/2	REVISION DATES	DIRECTOR OF PUBLIC WORKS DATE

NOTES: (REFER TO 2-010 FOR ADDITIONAL NOTES)

1. TRENCH WIDTH SHALL BE SUFFICIENT TO FULLY ENCLOSE THE PIPE AND ALLOW COMPACTION TESTING AT THE SPRING LINE.

2. BEDDING MATERIAL FOR UTILITY TRENCHES SHALL MEET THE STANDARDS OF THE UTILITY COMPANY INVOLVED.

3. BEDDING MATERIAL FOR HDPE, RCP AND CMP SHALL FOLLOW THE MANUFACTURER'S RECOMMENDATIONS AND SHALL BE COMPACTION TO 95% RELATIVE COMPACTION. FILL MUST BE PLACED IN LIFTS NO LARGER THAN 8" TO FACILITATE COMPACTION. FOR CMP PIPE, THE BEDDING MATERIAL SHALL BE TESTED FOR A NEUTRAL pH.

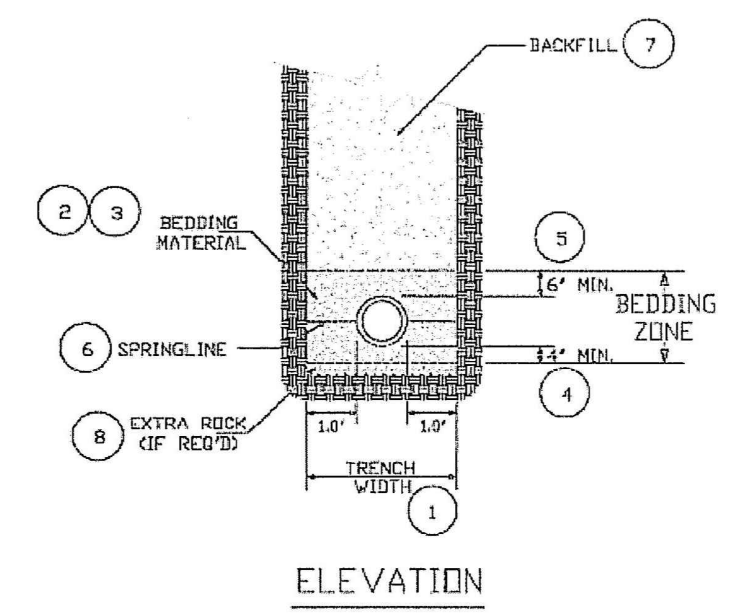
4. THE THICKNESS OF THE LAYER OF BEDDING UNDER THE PIPE SHALL BE AT LEAST 4" OR 10% OF THE PIPE DIAMETER, WHICHEVER IS LARGER.

5. BEDDING MATERIAL SHALL COMPLETELY COVER THE PIPE TO A MINIMUM HEIGHT OF 6" AFTER COMPACTION.

6. CARE MUST BE TAKEN TO PLACE THE BEDDING EVENLY UNDER THE LENGTH OF THE PIPE TO ASSURE ADEQUATE SUPPORT. COMPACTION TESTING IS REQUIRED AT THE SPRINGLINE OF THE PIPE WHEN SAND IS USED AS BEDDING MATERIAL.

7. BACKFILL MATERIAL SHALL MEET THE REQUIREMENTS OF SBCO STD 2-030 AND 2-040

8. SEE NOTE 2 ON 2-010



COUNTY OF SANTA BARBARA, CA - DEPARTMENT OF PUBLIC WORKS - TRANSPORTATION		APPROVED BY:
2-020	PIPE BEDDING DETAILS	<i>[Signature]</i> 1/1/2011
	REVISION DATES	DIRECTOR OF PUBLIC WORKS DATE

A CSB GENERAL STREET SPECIFICATIONS

NOT TO SCALE REFERENCE SHEET C-01 & C-02

B CSB PIPE BEDDING DETAILS

NOT TO SCALE REFERENCE SHEET C-01 & C-02

NOTES: (REFER TO 2-010 FOR ADDITIONAL NOTES)

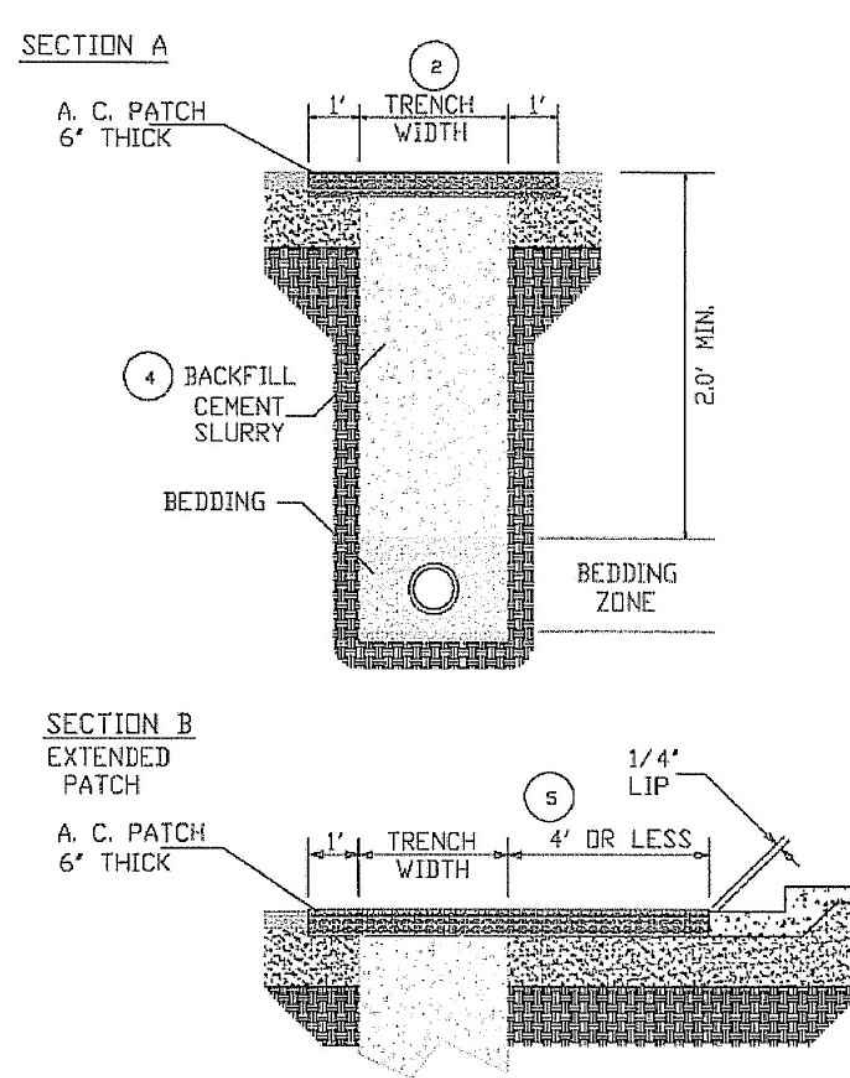
1. ALL TRENCH WORK ON EXISTING PAVED ROADS SHALL COMPLY WITH THIS STANDARD.

2. PAVEMENT SHALL BE SAW CUT 2" WIDER THAN THE WIDTH OF THE TRENCH PRIOR TO EXCAVATION. RECUT MAY BE NEEDED WHERE TRENCH EDGE IS NOT SOLID AS DETERMINED BY THE COUNTY ENGINEER.

3. BEDDING DETAILS SHALL COMPLY WITH SBCO STD 2-020.

4. BACKFILL MATERIAL UNDER EXISTING ROADS SHALL BE SLURRY CEMENT MEETING CALTRANS STANDARD SPECIFICATIONS, SECTION 19, FOR MATERIALS AND SHALL BE MIXED WITH 1 SACK OF CEMENT PER CUBIC YARD.

5. IF THE EDGE OF THE TRENCH IS WITHIN 4' OF THE EXISTING EDGE OF PAVEMENT (EP), THE SAWCUT SHALL BE MADE AT THE EP OR GUTTER AS SHOWN IN SECTION B.



COUNTY OF SANTA BARBARA, CA - DEPARTMENT OF PUBLIC WORKS - TRANSPORTATION		APPROVED BY:
2-030	TRENCHES FOR EXISTING PAVED ROADS	<i>[Signature]</i> 1/1/2011
	REVISION BOX	DIRECTOR OF PUBLIC WORKS DATE

NOTES: (REFER TO 3-010 FOR ADDITIONAL NOTES)

1. STRUCTURAL DETAILS SHALL FOLLOW APWA STANDARD PLANS, SECTION 3 AS APPROPRIATE FOR THE DEPTH AND LINE SIZES. CERTIFIED PRE-CAST ELEMENTS MAY BE USED WITH AN APPROVED SUBMITTAL FOR ELEMENTS TO BE CAST IN PLACE. ALL CONCRETE SHALL BE CALTRANS CLASS 2 WITH 25% FLYASH.

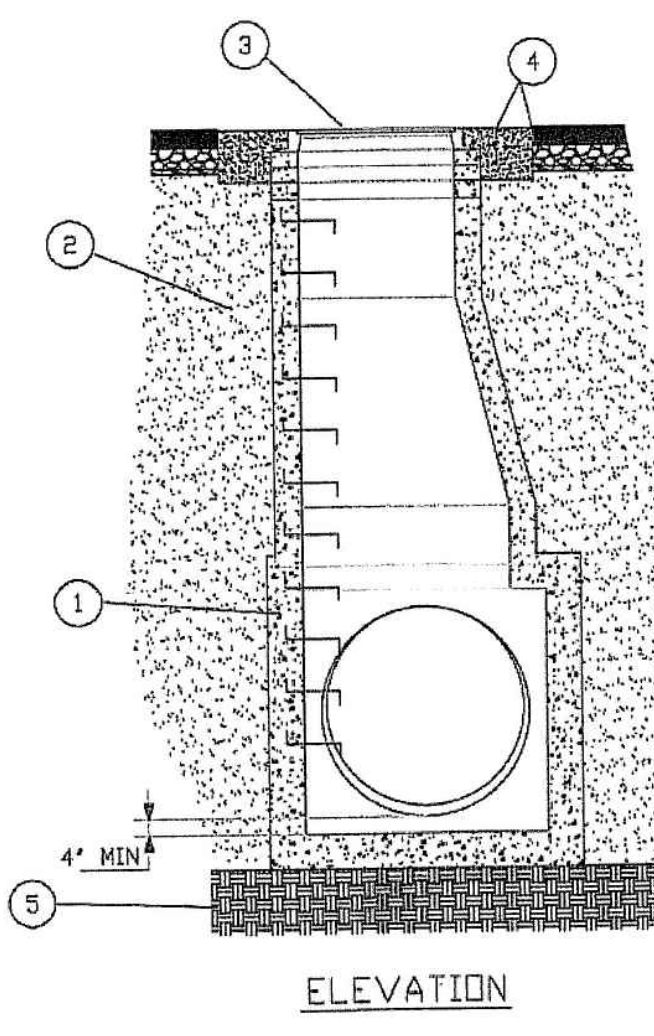
2. TRENCH BACKFILL COMPACTION TO 95% OF MAXIMUM DENSITY MAY BE USED FOR FOUNDATIONS IN SHOULDER AREAS AND WHERE ALUMINUM STRUCTURES ARE PRESENT. WHERE SPACE WILL NOT ALLOW STANDARD COMPACTION EQUIPMENT TO OPERATE, THE TRENCH SHALL BE FILLED WITH A 1-SACK SLURRY CEMENT BACKFILL PER CALTRANS STANDARD SPECIFICATIONS, SECTION 19.

3. MANHOLE FRAME AND COVER SHALL BE 24" AND SET 1/8" BELOW STREET GRADE OVER A SERIES OF RINGS FOR LATER ADJUSTMENT.

4. A CONCRETE COLLAR SHALL BE PROVIDED ALSO BELOW STREET GRADE TO ENCLOSE THE MANHOLE FRAME. IT SHALL BE 1' DEEP AND EXTEND 1' BEYOND THE FRAME AND SET 1/8" BELOW STREET GRADE.

5. THE FOUNDATION SHALL BE 3/4" WASHED CRUSHED ROCK AND AT LEAST 1' THICK.

6. FOR PIPE CONNECTIONS, REFER TO STANDARD 3-115.



COUNTY OF SANTA BARBARA, CA - DEPARTMENT OF PUBLIC WORKS - TRANSPORTATION		APPROVED BY:
3-080	STORM DRAIN MANHOLE	<i>[Signature]</i> 1/1/2011
	REVISION BOX	DIRECTOR OF PUBLIC WORKS DATE

C CSB TRENCHES FOR EXISTING PAVED ROADS

100% DESIGN NOT TO SCALE REFERENCE SHEET C-01 & C-02

D CSB STORM DRAIN MANHOLE

NOT TO SCALE REFERENCE SHEET C-01 & C-02

DESIGNED BY	JA
DRAWN BY	DLJ
CHECKED BY	AB
APPROVED BY	JA
DATE	5/13/2024



SANTA BARBARA COUNTY PUBLIC WORKS

123 EAST ANAPAMU STREET
SANTA BARBARA, CA 93101

SANTA BARBARA COUNTY ISLA VISTA TRASH CAPTURE PROJECT

REFERENCE STANDARD PLANS

JOB NO.	CWR0811
DRAWING NO.	R-01
SCALE	AS SHOWN
SHEET NO.	5 OF 5