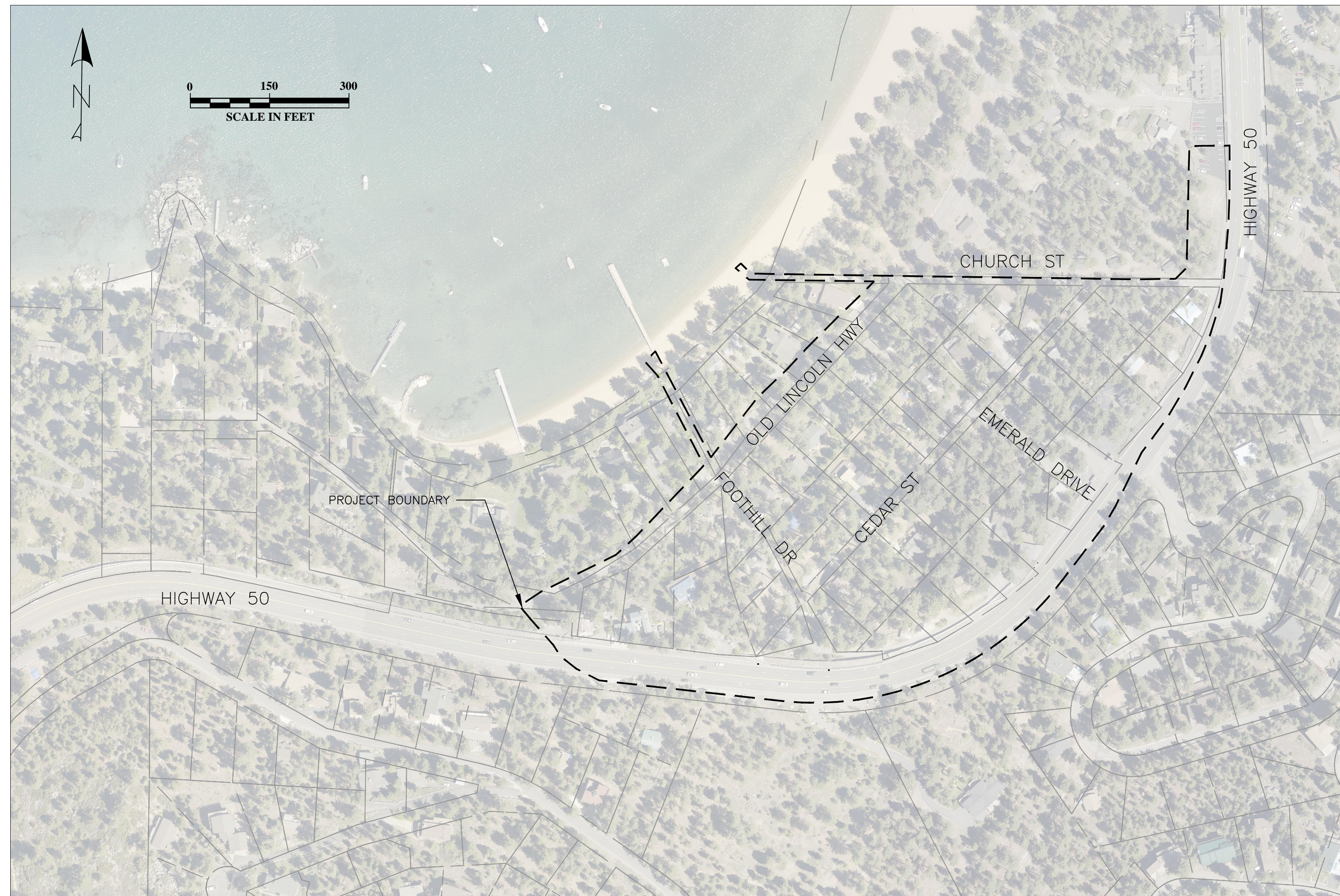


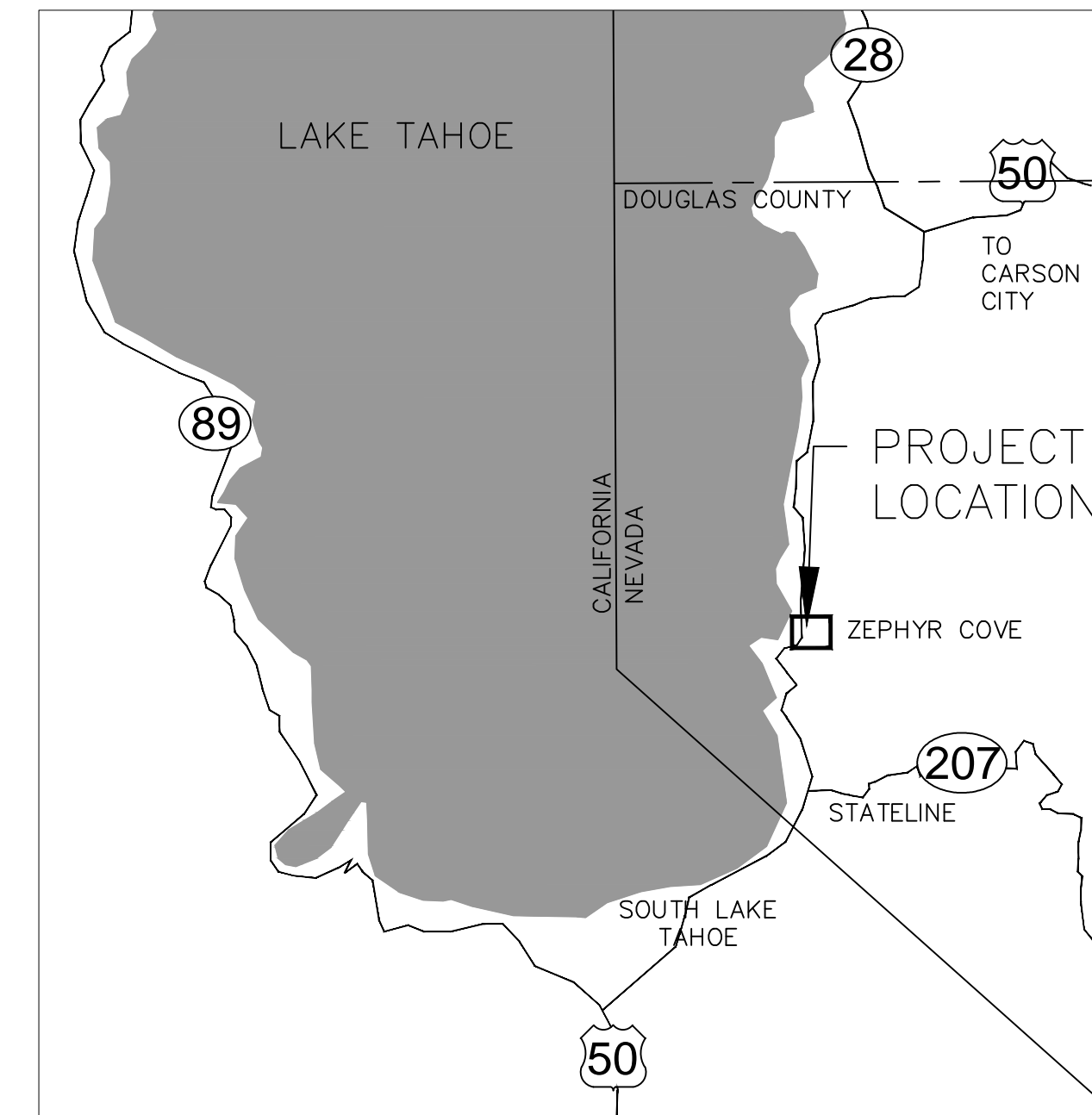
NEVADA TAHOE CONSERVATION DISTRICT ZEPHYR COVE WATER QUALITY IMPROVEMENT PROJECT

PHASE 1 IN THE COUNTY OF DOUGLAS EIP # 01.01.01.15



PLAN

SCALE: 1" = 150'



VICINITY MAP

NOT TO SCALE

SHEET INDEX

SHEET TITLE	SHEET NO.
TITLE	i
NOTES	ii
OVERVIEW, STAGING, STORAGE	C-1
FOOTHILL OUTFALL	C-2
CHURCH OUTFALL	C-3
DETAILS	D-1
DETAILS	D-2

ENGINEER:

Meghan C. Kelly
MEGHAN C. KELLY, P.E.
REGISTERED CIVIL ENGINEER
STATE OF NEVADA, NO. 20851
NEVADA TAHOE CONSERVATION DISTRICT
400 DORLA CT.
ZEPHYR COVE, NV 89448
(775) 586-1610

8/30/16
DATE



ZEPHYR COVE WATER QUALITY
IMPROVEMENT PROJECT - PHASE 1

BAR IS ONE INCH ON
ORIGINAL DRAWING.
ADJUST SCALES FOR
REDUCED PLOTS



DESIGNED/DRAWN

MCK/MCK

CHECKED

MBG

DATE

8/2016

SCALE

AS SHOWN

PROJECT

ZC WQIP

SHEET

i

1 OF 7

GENERAL NOTES

1. ALL IMPROVEMENTS SHALL BE ACCOMPLISHED UNDER THE APPROVAL, INSPECTION, AND TO THE SATISFACTION OF NEVADA TAHOE CONSERVATION DISTRICT (NTCD). IMPROVEMENT CONSTRUCTION SHALL COMPLY WITH THESE PLANS AND THE MOST RECENT NEVADA DEPARTMENT OF TRANSPORTATION (NDOT) STANDARD SPECIFICATIONS & PLANS FOR ROAD & BRIDGE CONSTRUCTION ("STANDARD SPECIFICATIONS"). AND CONSTRUCTION NOT SPECIFIED IN THESE PLANS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. THE CONTRACTOR IS OBLIGATED TO BE FAMILIAR WITH APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS NOT DISCUSSED IN THE GENERAL NOTES. THE CONTRACT SPECIAL TECHNICAL PROVISIONS SHALL SUPERSEDE THOSE OF THE STANDARD SPECIFICATIONS WHERE DISCREPANCIES OCCUR.
2. CONTRACTOR SHALL MAINTAIN A SET OF PLANS ON SITE SHOWING "AS CONSTRUCTED" CHANGES. UPON COMPLETION, CONTRACTOR SHALL SUPPLY NDOT, DOUGLAS COUNTY, AND NTCD A SET OF "AS BUILT" PLANS. SEE SPECIAL PROVISIONS.
3. MOBILIZATION/STAGING AND STORAGE AREAS ARE TO BE SECURED BY THE CONTRACTOR AND APPROVED BY TRPA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF MOBILIZATION SITES, INCLUDING PLACEMENT AND MAINTENANCE OF BMPS.
4. PRIOR TO STARTING WORK, THE CONTRACTOR SHALL INSTALL TEMPORARY BMP MEASURES AT LOCATIONS WHERE NEEDED TO CONTROL EROSION AND WATER POLLUTION DURING THE CONSTRUCTION OF THE PROJECT. THE BMP MEASURES SHALL REMAIN IN PLACE AND SHALL BE MAINTAINED IN A FUNCTIONAL CONDITION FOR THE DURATION OF THE CONSTRUCTION. DURING CONSTRUCTION ENVIRONMENTAL PROTECTION DEVICES, SUCH AS EROSION CONTROL, DUST CONTROL, AND VEGETATION PROTECTION DEVICES SHALL BE MAINTAINED AT ALL TIMES. SILT FENCE IS REQUIRED AT ALL CROSS DRAIN OUTLETS. SILT FENCE OR SEDIMENT LOGS WILL BE REQUIRED AT OTHER LOCATIONS AS SHOWN ON THE DRAWINGS OR STAKED IN THE FIELD BY THE ENGINEER. ALL EROSION CONTROL MEASURES SHALL MEET OR EXCEED TRPA REQUIREMENTS.
5. ALL EXISTING VEGETATION SHALL BE PRESERVED UNLESS SPECIFICALLY IDENTIFIED BY THE ENGINEER FOR REMOVAL. BMP'S TO PROTECT VEGETATION SHALL BE INSTALLED BY THE CONTRACTOR IF REQUIRED BY TRPA. CONTRACTOR TO REVEGETATE ANY AREAS OUTSIDE THE DISTURBED AREA SHOWN ON THE PLANS WITH PLANTS APPROVED BY TRPA AT THEIR OWN EXPENSE.
6. NTCD WILL PROVIDE ONE SET OF CONSTRUCTION STAKES AT NTCD'S EXPENSE. ADDITIONAL CONSTRUCTION STAKES WILL BE PROVIDED AT THE CONTRACTOR'S EXPENSE. LIMITS FOR ALL ITEMS OF WORK SHALL BE STAKED IN THE FIELD BY THE ENGINEER. THESE LIMITS AND THE RESULTING TREATMENT LENGTH/AREAS MAY VARY FROM THOSE SHOWN ON THE DRAWINGS. PAYMENT FOR ITEMS OF WORK WILL BE MADE FOR THE AMOUNT AUTHORIZED BY THESE FIELD STAKED LIMITS AND THE SPECIAL TECHNICAL PROVISIONS.
7. UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. WHERE EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AND ALL AFFECTED UTILITY COMPANIES TO LOCATE ALL BURIED UTILITIES AT LEAST 48 HOURS PRIOR TO EXCAVATION. THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR RELOCATION OF UTILITIES AS REQUIRED BY THE WORK. WHENEVER CONNECTIONS TO OR CLEARANCE FROM ANY UTILITY IS REQUIRED, THE CONTRACTOR SHALL POT HOLE TO VERIFY THE LOCATION, SIZE AND MATERIAL OF THE UTILITY PRIOR TO CONSTRUCTION.
8. ASPHALT REPLACEMENT SHALL INCORPORATE A 4% ±1% CROSS SLOPE BETWEEN THE SAWCUT AND THE NEW ROADSIDE TREATMENT. NEW ROADSIDE FLOW CONVEYANCES SHALL INCORPORATE SUCH GRADE AS NECESSARY TO GUARANTEE WATER CONTINUES TO FLOW IN THE PRESENT DIRECTION, WITHOUT PONDING OR BREAKOUTS.
9. ANY DAMAGE DONE BY THE CONTRACTOR OR HIS SUBCONTRACTORS TO PRIVATE PROPERTY AND/OR OUTSIDE OF THE NOTED LIMITS OF WORK IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND/OR HIS SUBCONTRACTORS.
10. NTCD WILL PROVIDE INITIAL TESTING AND INSPECTION OF WORK AND MATERIAL AT NTCD'S EXPENSE. THE COST OF REMOVAL AND/OR REPLACEMENT OF ANY DEFECTIVE WORK OR MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR. THE COST OF RETESTING AND/OR INSPECTING OF REPLACED WORK AND MATERIAL IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR. SUCH COSTS WILL BE DEDUCTED FROM ANY MONEYS DUE OR WHICH MAY BECOME DUE TO THE CONTRACTOR.
11. STANDARD WORK DAYS SHALL BE MONDAY THROUGH FRIDAY. SATURDAY MAY BE WORKED ON OCCASION ONLY TO MAKE UP FOR WEATHER DELAYS OR OTHER SCHEDULE DELAYS WITH ENGINEER APPROVAL. NOISE GENERATING ACTIVITIES WILL BE LIMITED TO THE HOURS OF 8:00 AM TO 6:30 PM.
12. NOISE SHALL BE REDUCED BY THE MANDATORY USE OF MUFFLERS ON ALL CONSTRUCTION VEHICLES AND EQUIPMENT. WHERE FEASIBLE, SOLENOIDAL PAVEMENT BREAKERS WILL BE USED IN LIEU OF AIR POWERED JACK HAMMERS. NOISE GENERATING ACTIVITIES WILL BE LIMITED TO THE HOURS OF 8:00 AM TO 6:30 PM.
13. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK TO WATER AREAS AS NECESSARY TO CONTROL DUST. THE CONTRACTOR WILL PROVIDE SWEEPING PER SPECIFICATION.
14. ALL TREES AND NATURAL VEGETATION TO REMAIN ON THE SITE SHALL BE PROTECTED PER TRPA.
15. SOIL AND CONSTRUCTION MATERIAL SHALL NOT BE TRACKED OFF THE CONSTRUCTION SITE. GRADING OPERATIONS SHALL CEASE IN THE EVENT THAT A DANGER OF VIOLATING THIS CONDITION EXISTS.
16. LOOSE SOIL MOUNDS OR SURFACES SHALL BE PROTECTED FROM WIND OR WATER EROSION BY BEING APPROPRIATELY COVERED WHEN CONSTRUCTION IS NOT IN ACTIVE PROGRESS OR WHEN REQUIRED BY TRPA.
17. EXCAVATED MATERIAL SHALL BE STORED UPGRADE FROM THE EXCAVATED AREA WHENEVER POSSIBLE. NO MATERIAL SHALL BE STORED IN ANY STREAM ENVIRONMENT ZONE (SEZ) OR WET AREA.
18. ONLY EQUIPMENT OF A SIZE AND TYPE THAT WILL DO THE LEAST AMOUNT OF DAMAGE, UNDER PREVAILING SITE CONDITIONS, AND CONSIDERING THE NATURE OF THE WORK TO BE PERFORMED, WILL BE USED.
19. NO WASHING OF VEHICLES OR HEAVY EQUIPMENT, INCLUDING CEMENT MIXERS, SHALL BE PERMITTED ANYWHERE ON THE SUBJECT PROPERTY UNLESS AUTHORIZED BY TRPA IN WRITING.
20. NO VEHICLE OR HEAVY EQUIPMENT SHALL BE ALLOWED IN A STREAM ENVIRONMENT ZONE OR WET AREA EXCEPT AS AUTHORIZED BY TRPA.
21. ALL CONSTRUCTION SHALL BE WINTERIZED BY OCTOBER 15 TO REDUCE THE WATER QUALITY IMPACTS ASSOCIATED WITH WINTER WEATHER.
22. THE CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATE IN, THE NDOT RIGHT-OF-WAYS AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SYSTEM.
23. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN THE TRUCKEE MEADOWS CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HANDBOOK.
24. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LONGER THAN 24 HOURS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS BEEN TEMPORARILY OR PERMANENTLY CEASED.
25. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMP'S WEEKLY, PRIOR TO A FORECASTED RAIN EVENT AND WITHIN 24 HOURS AFTER ANY ACTUAL RAIN EVENT. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS FROZEN GROUND CONDITIONS OF SUSPENSION OF LAND DISTURBANCE ACTIVITIES.

26. TRAFFIC CONTROL AND LANE CLOSURES WILL BE PER NDOT STANDARD SPECIFICATIONS.
27. ACCESS TO HOMES AND BUSINESSES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION

ABBREVIATIONS

NOT ALL ABBREVIATIONS LISTED ARE USED IN THESE PLANS

A.B.	AGGREGATE BASE	MDD	MAXIMUM DRY DENSITY
AC.	ACRE	MJ	MECHANICAL JOINT
AC OR A.C.	ASPHALT CONCRETE OR ASBESTOS CEMENT	MI	MILE
@	AT	MIN.	MINIMUM
APPROX.	APPROXIMATE	MISC.	MISCELLANEOUS
AVG.	AVERAGE	N	NORTH
AWWA	AMERICAN WATER WORKS ASSOCIATION	NAC	NEVADA ADMINISTRATIVE CODE
BC	BEGIN CURVE	NOT IN CONTRACT	NOT IN CONTRACT
BGN	BEGIN	NDOT	NEVADA DEPT OF TRANSPORTATION
C&G	CURB AND GUTTER	NTCD	NEVADA TAHOE CONSERVATION DISTRICT
CATV	CABLE TELEVISION	N.T.S.	NOT TO SCALE
C.B.	CATCH BASIN	NO.	NUMBER
CBM	CHANNEL BED MATERIAL	OC	ON CENTER
CL	CENTERLINE	OD	OUTSIDE DIAMETER
CLF	CONSTRUCTION LIMIT FENCE	OFF	OFFSET
CLR.	CLEAR	OG	ORIGINAL GRADE
CO.	CLEAN OUT	OH(E/T)	OVERHEAD ELECTRIC OR TELEPHONE LINES PLUS OR MINUS
CONST.	CONSTRUCT	±	POINT
CF	CUBIC FEET	PT.	POINT OF COMPOUND CURVE, PORTLAND CEMENT
CMP	CORRIGATED METAL PIPE	PCC	POINT OF CURVATURE
CMAP	CORRIGATED METAL ARCH PIPE	PC	POINT OF INFLECTION
CY	CUBIC YARD	PI	PROTECT IN PLACE
DBH	DIAMETER AT BREST HEIGHT	PIP	POLYVINYL CHLORIDE
DEG	DEGREE(S)	PVC	PVC
D.G.	DECOMPOSED GRANITE	PVT	PAVEMENT
DI	DROP INLET	PCC	POINT ON CURVE
DIA.	DIAMETER	POS	POSITIVE
DR	DIMENSION RATIO	PRC	POINT OF REVERSE CURVE
DWG	DRAWING	PSI	POUNDS PER SQUARE INCH
DW, DWY	DRIVEWAY	PL	PROPERTY LINE
EA.	EACH	PO	PUSH ON
EASE.	EASEMENT	PUE	PUBLIC UTILITY EASEMENT
EG	EXISTING GRADE	R	RADIUS
ELEC	ELECTRIC	RCP	REINFORCED CONCRETE PIPE
EP	EDGE OF PAVEMENT	REVEG	REVEGATION
ELEV. OR EL	ELEVATION	RLC	ROCK LINED CHANNEL
EC	END CURVE	RT,R	RIGHT
EX.	EXISTING	R/W, ROW	RIGHT-OF-WAY
FG	FINISH GRADE	S	SLOPE OR SOUTH
FH	FIRE HYDRANT	SD	STORM DRAIN
FCA	FLANGE COUPLER ADAPTER	SDMH	STORM DRAIN MANHOLE
FES	FLARED END SECTION (METAL)	SDR	STANDARD DIMENSION RATIO
FF	FILTER FENCE	SF	SQUARE FOOT/FEET
FL	FLOWLINE	SHT	SHEET
FLG	FLANGED	STA	STATION
FT.	FOOT, FEET	STD	STANDARD
FTG	FOOTING	SS	SANITARY SEWER, STAINLESS STEEL
FV	FLUSH VALVE	SSCO.	SANITARY SEWER CLEAN OUT
G	DEGREE	SSMH	SANITARY SEWER MANHOLE
GV	GATE VALVE	SSPWC	STANDARD SPECIFICATIONS FOR PUBLIC WORKS
GB	GRADE BREAK	SWPPP	STORM WATER POLLUTION PREVENTION PLAN
HDPE	HIGH DENSITY POLYETHYLENE	SY	SQUARE YARD
HDPE-NP	NON-PERFORATED HIGH DENSITY POLYETHYLENE	TBC	TOP BACK OF CURB
HDPE-P	PERFORATED HIGH DENSITY POLYETHYLENE	TOC	TOP OF CURB
HP	HIGH POINT	TRPA	TAHOE REGIONAL PLANNING AGENCY
HOR., HORIZ.	HORIZONTAL	TW	TOP OF WALL
HWY	HIGHWAY	(TYP)	TYPICAL
IN.	INCH	UGE	UNDERGROUND ELECTRIC LINES
IE	INVERT ELEVATION	UGT	UNDERGROUND TELEPHONE LINES
IRR.	IRRIGATION	VC	VERTICAL CURVE
IVGID	INCLINE VILLAGE GENERAL IMPROVEMENT DISTRICT	VG	VALLEY GUTTER
L	LEFT	VPC	VERTICAL POINT OF CURVATURE
LEN.	LENGTH	VPI	VERTICAL POINT OF INFLECTION
LF	LINEAR FEET	VPT	VERTICAL POINT OF TANGENT
LID	LOW IMPACT DEVELOPMENT	W	WATER
LP	LOW POINT	WL	WATERLINE
LS	LUMP SUM	W	WEST
MH	MANHOLE	W/	WITH
MAX.	MAXIMUM	WM	WATER METER

UTILITIES

CABLE TELEVISION	CHARTER COMMUNICATIONS, (775) 588-1077
NATURAL GAS	SOUTHWEST GAS, (877) 860-6022
ELECTRIC	NV ENERGY, (775) 834-4444
STORM DRAIN	ZEPHYR COVE GID AND NDOT
SEWER	TAHOE DOUGLAS DISTRICT (775)588-5641
WATER	DOUGLAS COUNTY (775) 782-9989
PHONE	FRONTIER (775) 782-0966
USA DIGS	(800) 642-2444 OR 811

LEGEND

NOTE: LEGENDS PROVIDED ON INDIVIDUAL PLAN SHEETS OVERRIDE THIS LEGEND

EXISTING	PROPOSED			
		MAJOR CONTOUR	MAJOR CONTOUR	
		MINOR CONTOUR	MINOR CONTOUR	
		EXISTING MAJOR CONTOUR LABEL	PROPOSED MAJOR CONTOUR LABEL	
		EXISTING ALIGNMENT	PROPOSED ALIGNMENT	
		EXISTING GRADE (SECTION VIEW)	GRADING DAYLIGHT LINE/GRADING LIMIT	
		PROPERTY LINE	GRADING LINE/FEATURE LINE	
		EXISTING FENCE	PROPOSED GRADE (SECTION VIEW)	
		OR PAVEMENT	CLF CONSTRUCTION LIMIT FENCE	
		STORM DRAIN LINE	FF FILTER FENCE	
		CATCH BASIN		SEDIMENT ROLL
		STORM DRAIN MANHOLE		EROSION CONTROL BLANKET
		WATER LINE		STAGING AREA
		WATER METER/ VALVE		PROPOSED PIPE
		SANITARY SEWER LINE		PROPOSED CONCRETE/CURB
		SANITARY SEWER MANHOLE		PROPOSED VEGETATION
		OVERHEAD ELECTRIC LINE		ROCK LINED CHANNEL (PLAN VIEW)
		POWER POLE		XERIPAVE PAVERS
		UG UNDER GROUND TELEPHONE LINES		ROCK DISSIPATER
		OH OVERHEAD TELEPHONE LINES		PROJECT BOUNDARY
		UG UNDERGROUND FIBER OPTIC LINES		PROPOSED FENCE (TYPE SPECIFIED ON PLAN)
		GAS UNDERGROUND GAS LINES		
		TREE		
		FIRE HYDRANT		
		CURB		
		OR CONCRETE		
		CONTROL POINT		
		BUILDING		
		PRIVATE DRIVEWAY		
		SIGN		
		ROCK LINED CHANNEL		
		EXISTING ROCK WALL		
125-382-13		ASSESSOR PARCEL NUMBER		
958 TYNER ST.		PHYSICAL ADDRESS (PRIVATE LOT)		

	SECTION OR DETAIL IDENTIFICATION
	NUMBER OF SHEET ON WHICH SECTION OR DETAIL IS DRAWN
	SECTION OR DETAIL IDENTIFICATION
	SYMBOL FOR DETAIL ON THE SAME SHEET

HORIZONTAL AND VERTICAL PROJECTION

VERTICAL CONTROL IS DATUM NGVD 29 US FEET;
HORIZONTAL CONTROL IS STATE PLANE COORDINATE SYSTEM NEVADA ZONE WEST (U.S. FEET) HARN

BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS

0" 1"

DESIGNED/DRAWN

MCK/MCK

CHECKED

MBG

DATE

8/2016

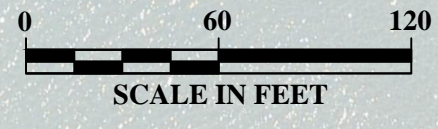
SCALE

AS SHOWN

PROJECT

ZC WQIP

SHEET



STAGING AND STORAGE SHALL OCCUR ON PAVED PATHS AT END OF CHURCH STREET AND FOOTHILL DRIVE ONLY. PROCUREMENT OF ADDITIONAL STAGING AND STORAGE AREAS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

SHEET C-2

PROJECT BOUNDARY (INCLUDING PHASE 1 AND PHASE 2)

CHURCH ST

HIGHWAY 50

PARCEL BOUNDARY (TYP.)

SHEET C-3

EMERALD DRIVE

FOOTHILL DRIVE

CEDAR ST

OLD LINCOLN HWY

HIGHWAY 50

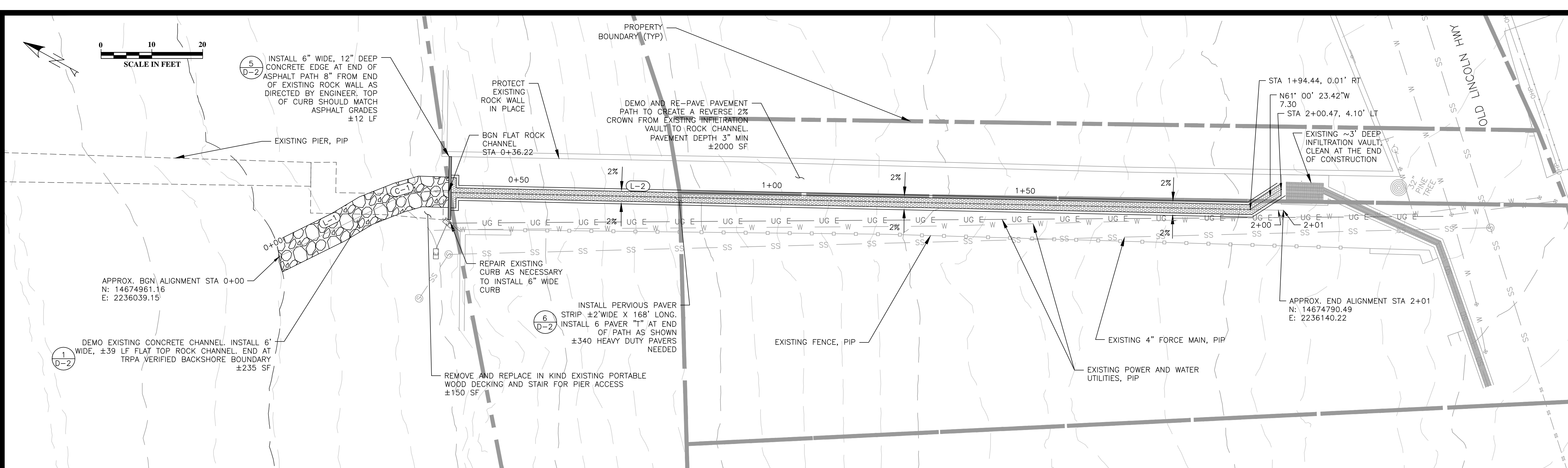


ZEPHYR COVE WATER QUALITY IMPROVEMENT PROJECT - PHASE 1 OVERVIEW, STAGING, AND STORAGE

BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS



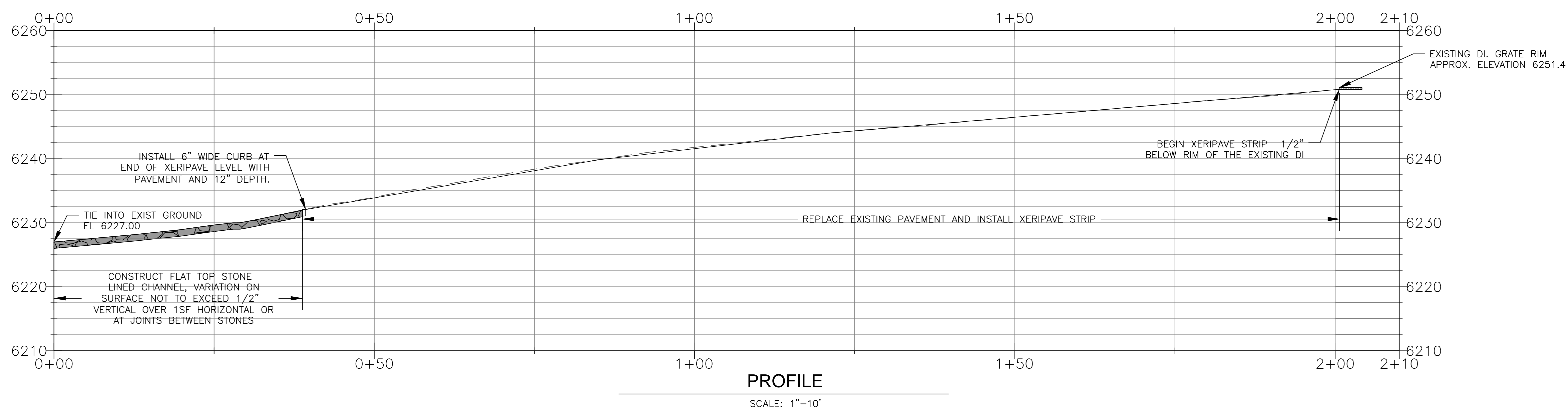
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PROJECT	ZC WQP

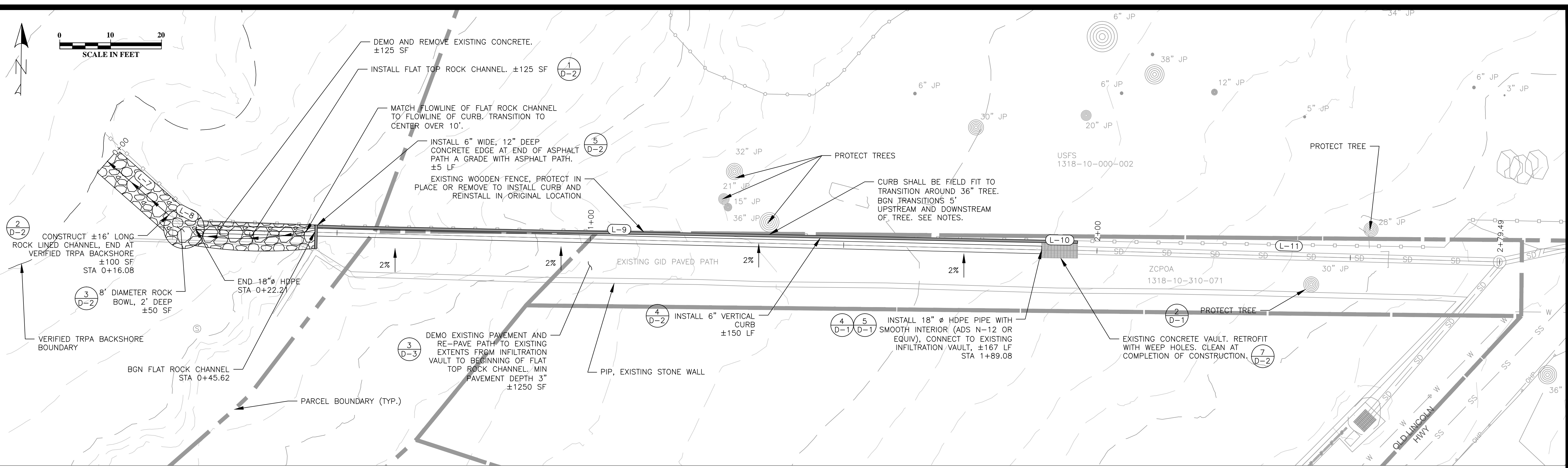


- NOTES
1. PARCEL LINES IN DOUGLAS COUNTY DO NOT OFTEN LINE UP WITH GROUND SURVEYS AND AERIALS. PARCEL BOUNDARIES WILL BE VERIFIED AND STAKED PRIOR TO CONSTRUCTION.
 2. INSTALL SEDIMENT LOG (1) AT DOWNSTREAM END OF CONSTRUCTION LIMITS, ±35 LF
 3. SEE (6) FOR TYPICAL ROAD/XERIPAVE SECTION
 4. ALL SLOPES SHALL MATCH EXISTING UNLESS OTHERWISE NOTED ON PLANS.

ALIGNMENT LINE TABLE				
LINE NO.	LENGTH	DIRECTION	START POINT (N,E)	END POINT (N,E)
L-1	24.11'	S54°20'19"E	14674961.1611, 2236039.15	14674947.10, 2236058.74
L-2	167.26'	S26°44'57"E	14674939.8571, 2236064.94	14674790.49, 2236140.22

ALIGNMENT CURVE TABLE							
CURVE NO.	PI STATION	Δ	RADIUS	TANGENT	LENGTH	CHORD DIRECTION	CHORD LENGTH
C-1	0+29.02	152°24'38"	20.00'	4.91'	9.63	S40°32'38.12"E	9.54'



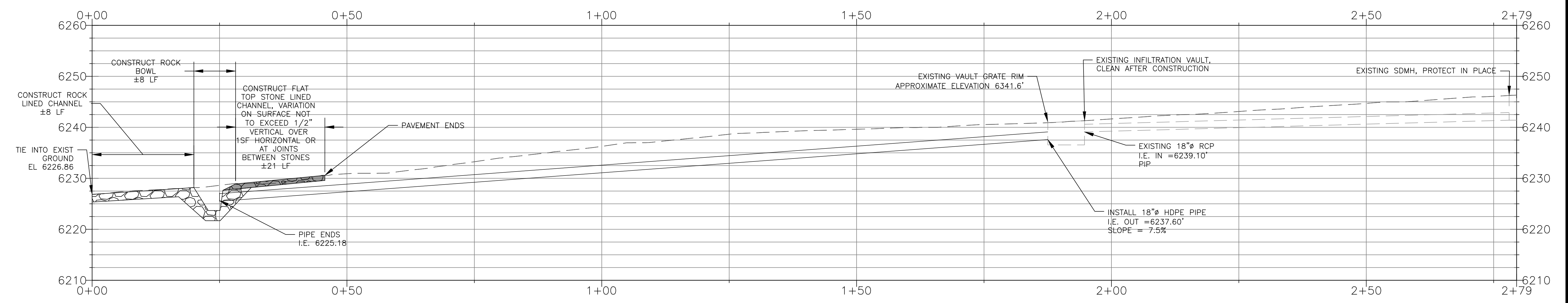


PLAN

SCALE: 1"=10'

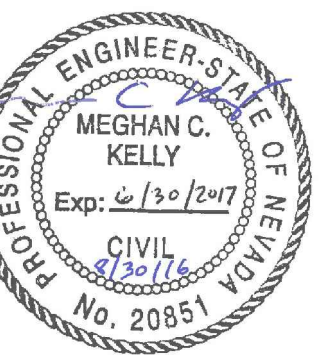
- NOTES:
1. PARCEL LINES IN DOUGLAS COUNTY DO NOT OFTEN LINE UP WITH GROUND SURVEYS AND AERIALS. PARCEL BOUNDARIES WILL BE VERIFIED AND STAKED PRIOR TO CONSTRUCTION.
 2. INSTALL SEDIMENT LOG (1/D-1) AT DOWNSTREAM END OF CONSTRUCTION LIMITS, ±35 LF
 3. CONTRACTOR SHALL WORK WITH ENGINEER AND ARBORIST TO PRESERVE 36" TREE ALONG FENCELINE.
 4. ALL SLOPES SHALL MATCH EXISTING UNLESS OTHERWISE NOTED ON PLANS.

ALIGNMENT LINE TABLE					
LINE NO.	LENGTH	DIRECTION	START POINT (N,E)	END POINT (N,E)	END POINT (N,E)
L-11	83.33'	S88°25'48"E	14675119.5198, 2236407.59	14675117.24, 2236490.89	
L-10	7.09'	S89°25'34"E	14675119.5908, 2236400.50	14675119.52, 2236407.59	
L-9	166.87'	S88°36'03"E	14675123.6651, 2236233.68	14675119.59, 2236400.50	
L-8	6.13'	S62°27'58"E	14675126.5010, 2236228.25	14675123.67, 2236233.68	
L-7	16.08'	S48°45'24"E	14675137.0987, 2236216.16	14675126.50, 2236228.25	



PROFILE

SCALE: 1"=10'



ZEPHYR COVE WATER QUALITY IMPROVEMENT PROJECT- PHASE 1 CHURCH OUTFALL

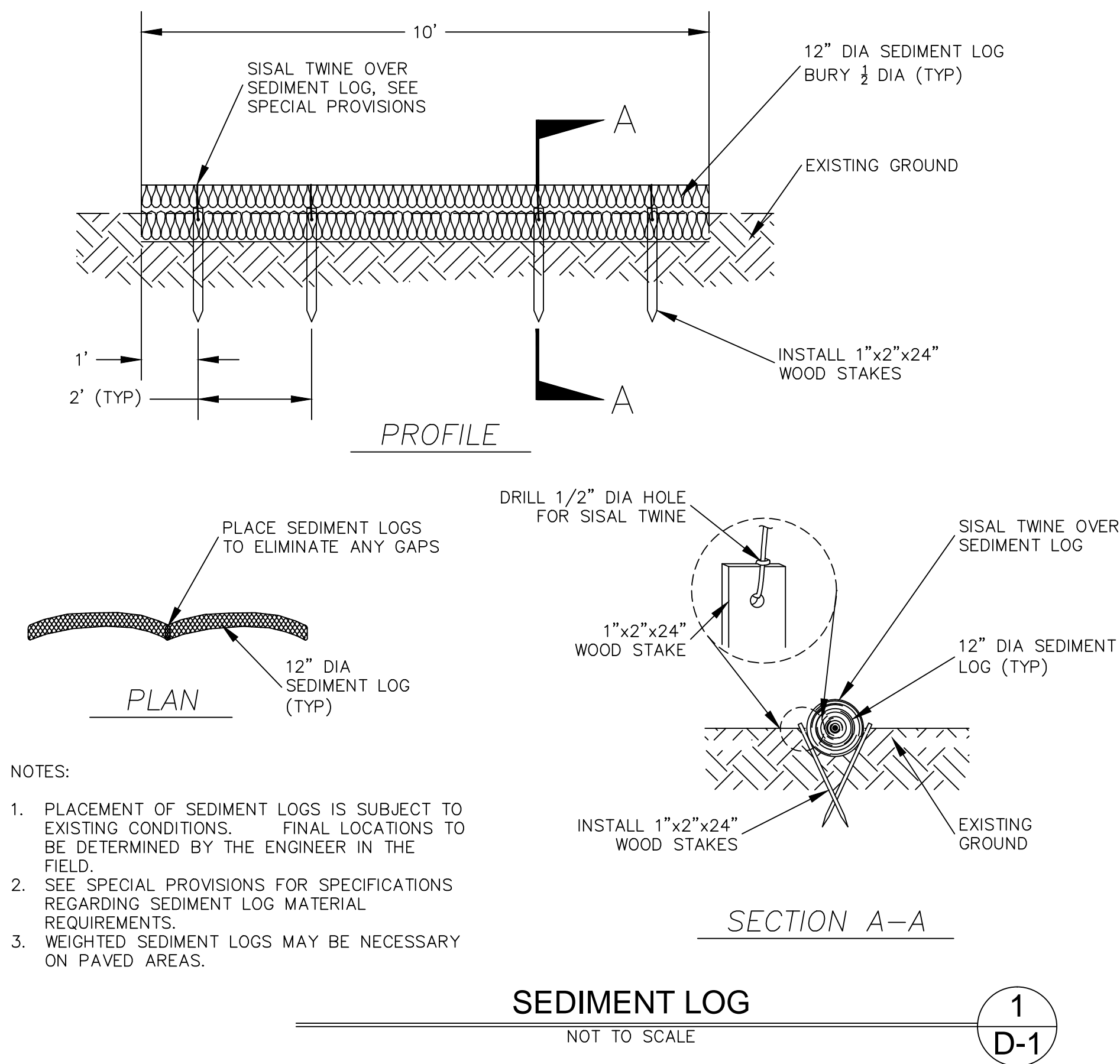
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS

0" = 1"

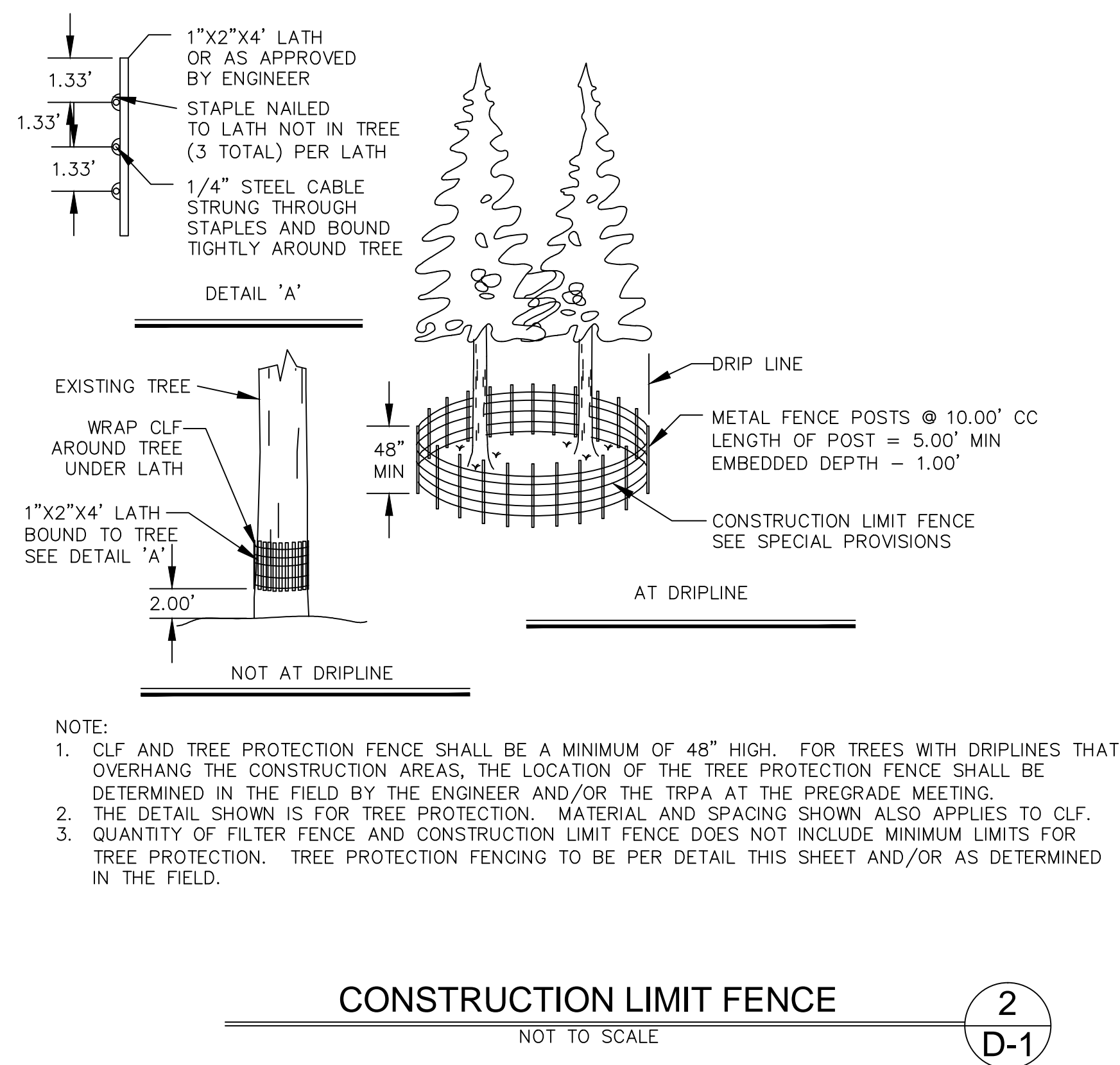
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CHECKED	MBG
DATE	8/2016
SCALE	AS SHOWN
PROJECT	ZC WQIP

SHEET

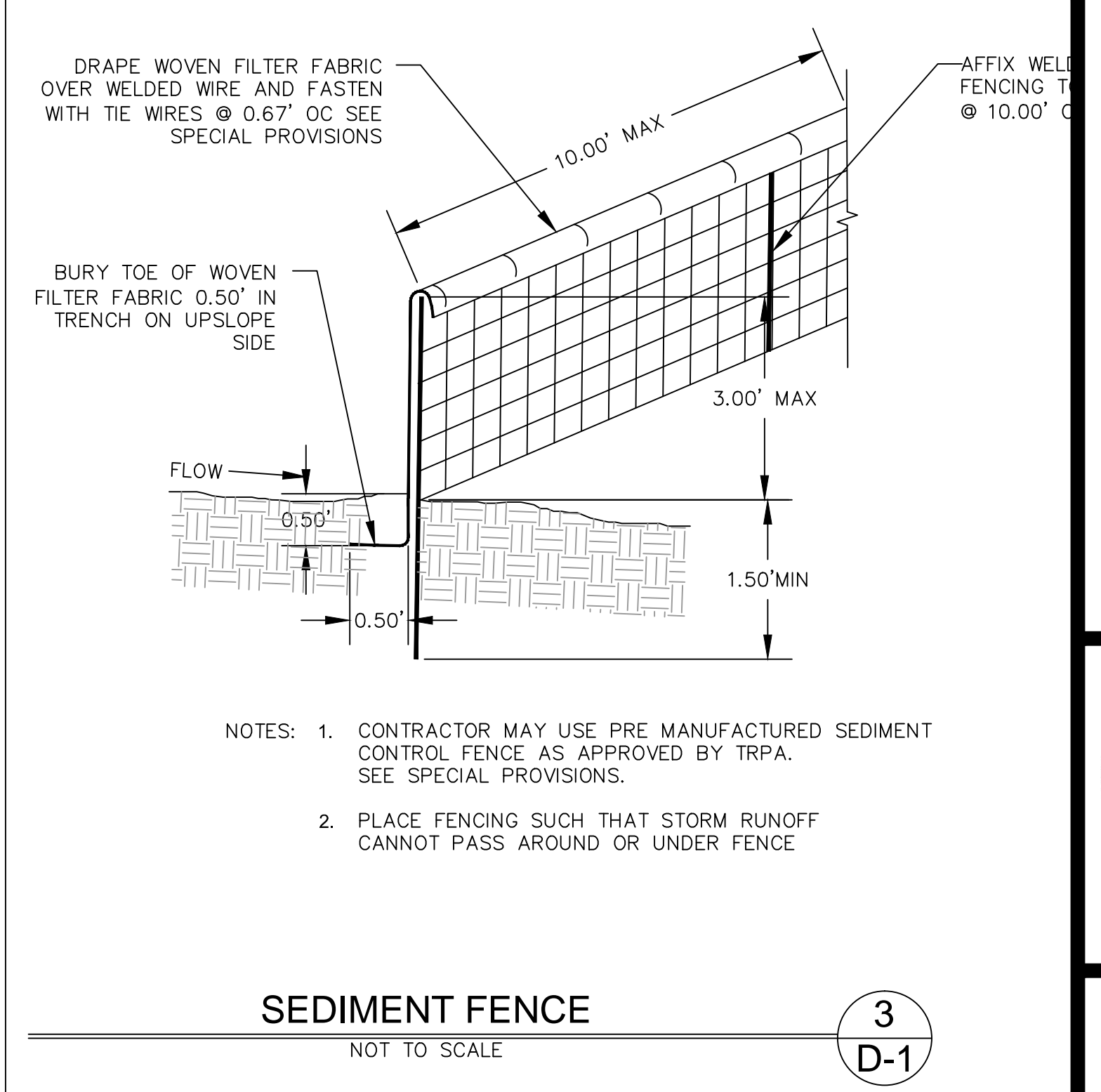
C-3



- NOTES:
1. PLACEMENT OF SEDIMENT LOGS IS SUBJECT TO EXISTING CONDITIONS. FINAL LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
 2. SEE SPECIAL PROVISIONS FOR SPECIFICATIONS REGARDING SEDIMENT LOG MATERIAL REQUIREMENTS.
 3. WEIGHTED SEDIMENT LOGS MAY BE NECESSARY ON PAVED AREAS.



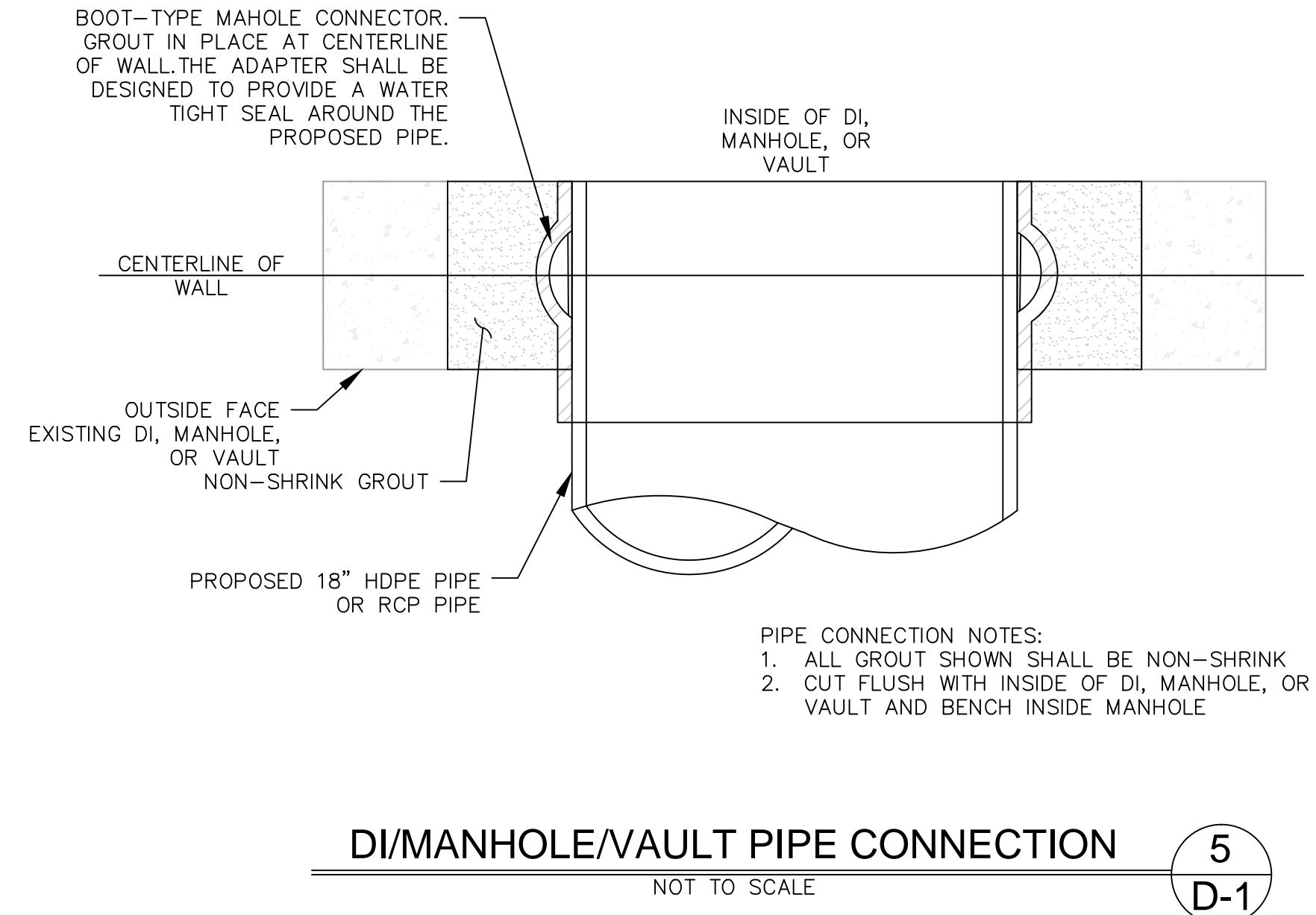
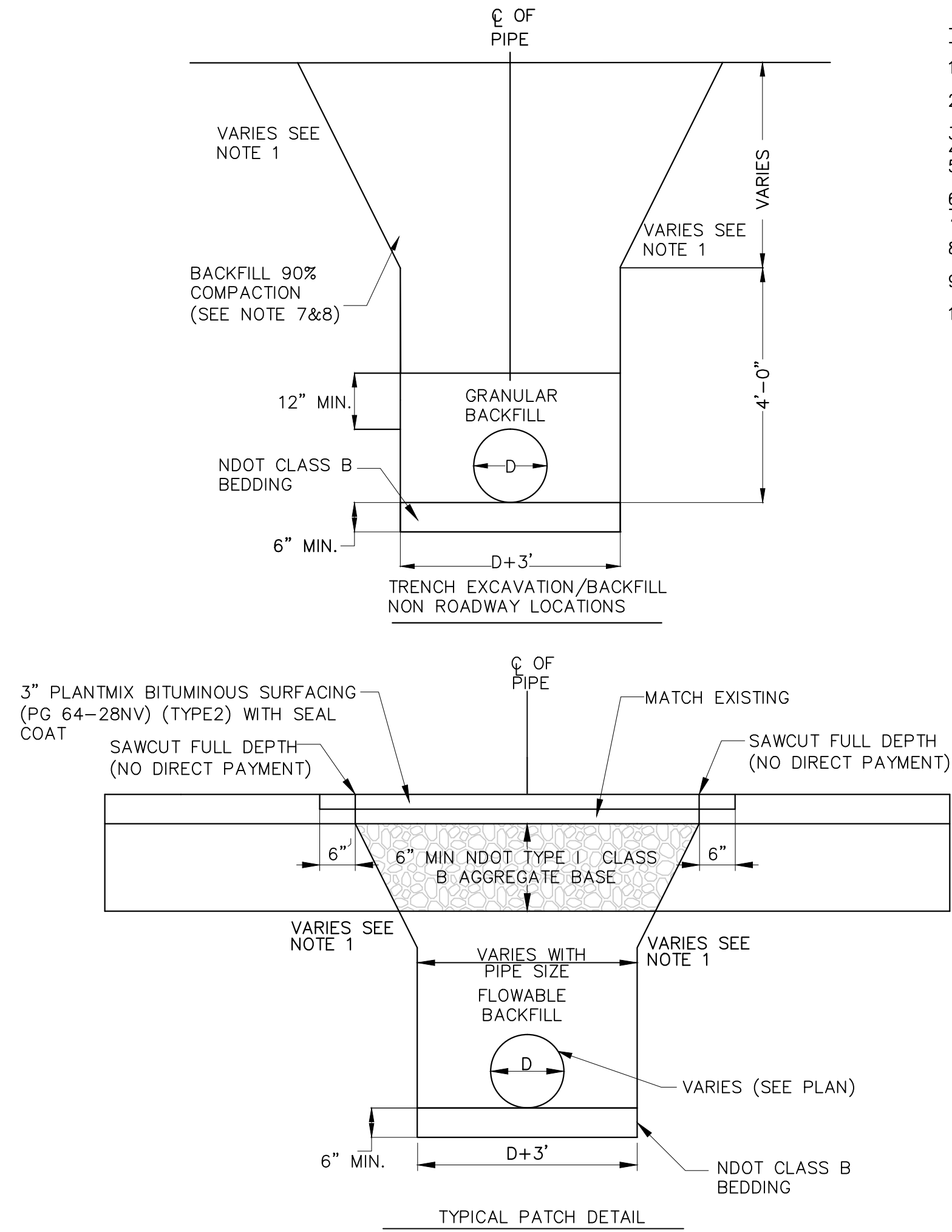
- NOTE:
1. CLF AND TREE PROTECTION FENCE SHALL BE A MINIMUM OF 48" HIGH. FOR TREES WITH DRIPLINES THAT OVERHANG THE CONSTRUCTION AREAS, THE LOCATION OF THE TREE PROTECTION FENCE SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER AND/OR THE TRPA AT THE PREGRADE MEETING.
 2. THE DETAIL SHOWN IS FOR TREE PROTECTION. MATERIAL AND SPACING SHOWN ALSO APPLIES TO CLF.
 3. QUANTITY OF FILTER FENCE AND CONSTRUCTION LIMIT FENCE DOES NOT INCLUDE MINIMUM LIMITS FOR TREE PROTECTION. TREE PROTECTION FENCING TO BE PER DETAIL THIS SHEET AND/OR AS DETERMINED IN THE FIELD.



- NOTES:
1. CONTRACTOR MAY USE PRE MANUFACTURED SEDIMENT CONTROL FENCE AS APPROVED BY TRPA. SEE SPECIAL PROVISIONS.
 2. PLACE FENCING SUCH THAT STORM RUNOFF CANNOT PASS AROUND OR UNDER FENCE

TRENCH/PATCHING NOTES:

1. TRENCHES MORE THAN 4' DEEP SHALL BE SHORED, LAID BACK TO AT LEAST THE ANGLE OF REPOSE FOR EXISTING FIELD CONDITIONS, OR SOME OTHER MEANS OF PROTECTION SHALL BE PROVIDED.
2. IF HAZARDOUS FIELD CONDITIONS INDICATE GROUND MOVEMENT MAY BE EXPECTED, TRENCHES LESS THAN 4' DEEP SHALL BE PROTECTED AS INDICATED IN NOTE 1.
3. PAVING JOINTS IN ROADWAY ARE NOT ALLOWED IN WHEEL PATHS.
4. MATCH EXISTING STRIPING THROUGH LIMITS OF PATCH AREA.
5. A TRAVEL LANE SHALL BE MAINTAINED. TRENCH EXCAVATION INCLUDING SHIELD AND SHORING SYSTEMS SHALL COMPLY WITH CURRENT OSHA SAFETY REGULATIONS, FEDERAL REGISTER 29 CFR, PART 1926, SUBPART P.
6. ALL MATING SURFACES SHALL BE TACK COATED PRIOR TO PAVING (NO DIRECT PAYMENT).
7. SLURRY BACKFILL TRENCH TO BE USED WHEN UNABLE TO MAINTAIN A 12' TRAVEL LANE WITH THE STANDARD TRENCH OR AS DIRECTED BY THE ENGINEER.
8. COMPACTION SHALL BE PERCENT RELATIVE COMPACTION BASED ON THE MAXIMUM DRY DENSITY DETERMINED WITH TEST METHOD NO. NEV. T101.
9. IN HIGH GROUND WATER, GRANULAR BACKFILL WRAPPED IN AN APPROVED GEOTEXTILE MAY BE USED WITH THE APPROVAL OF THE ENGINEER.
10. THERE SHALL BE NO ADDITIONAL COMPENSATION FOR ANY ADDITIONAL EXCAVATION OR BACKFILL REQUIRED FOR EXCAVATIONS TO MEET OSHA REGULATIONS.



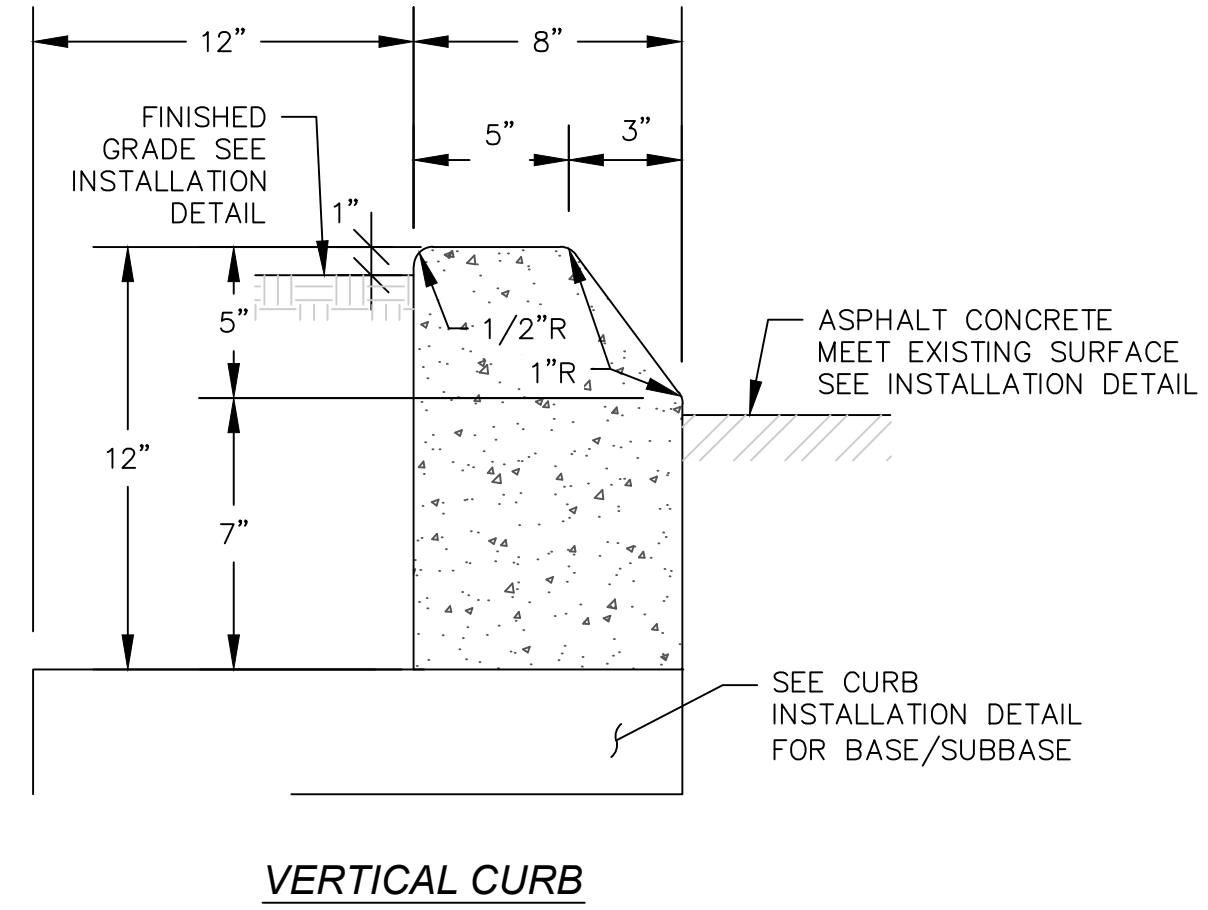
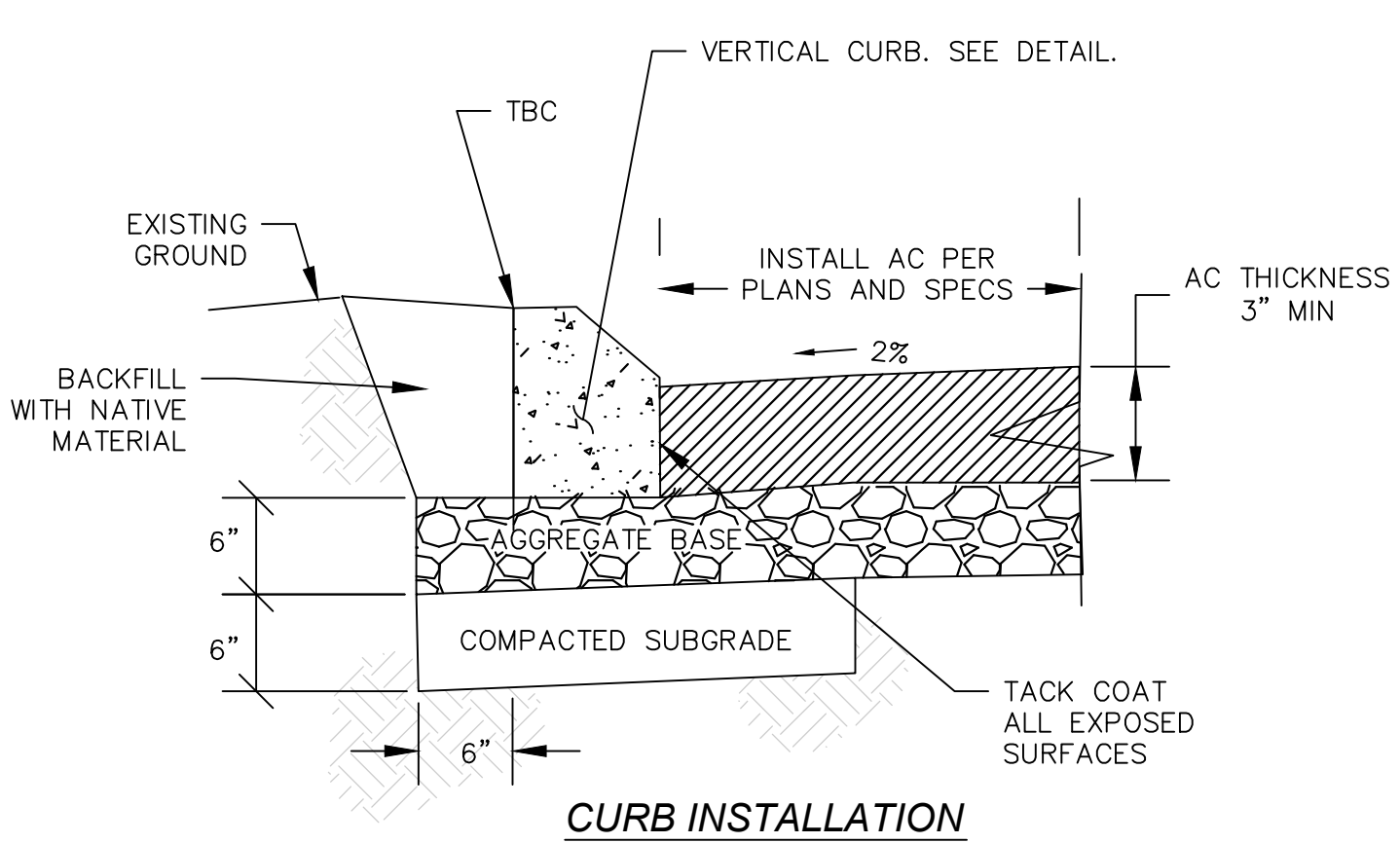
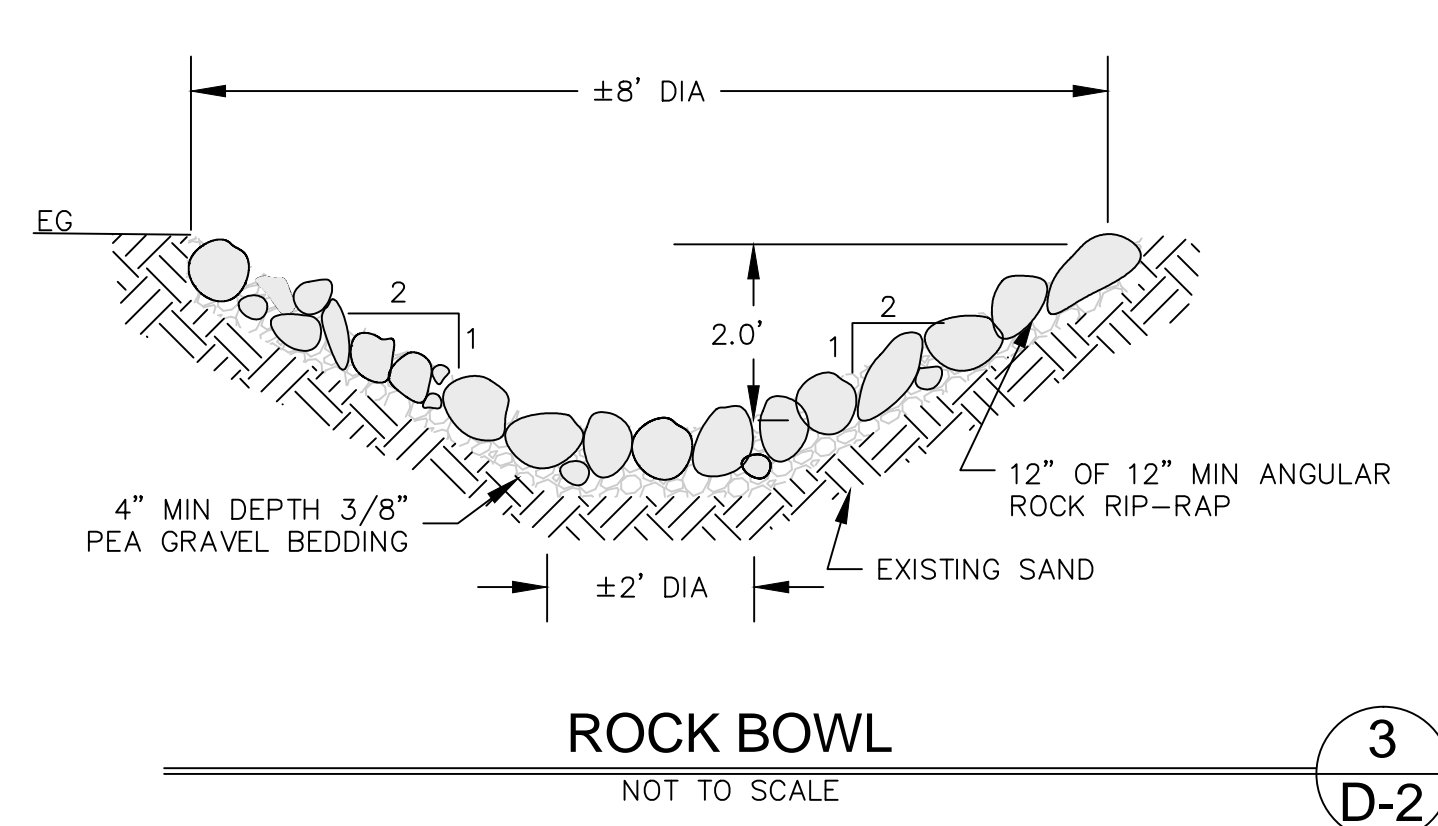
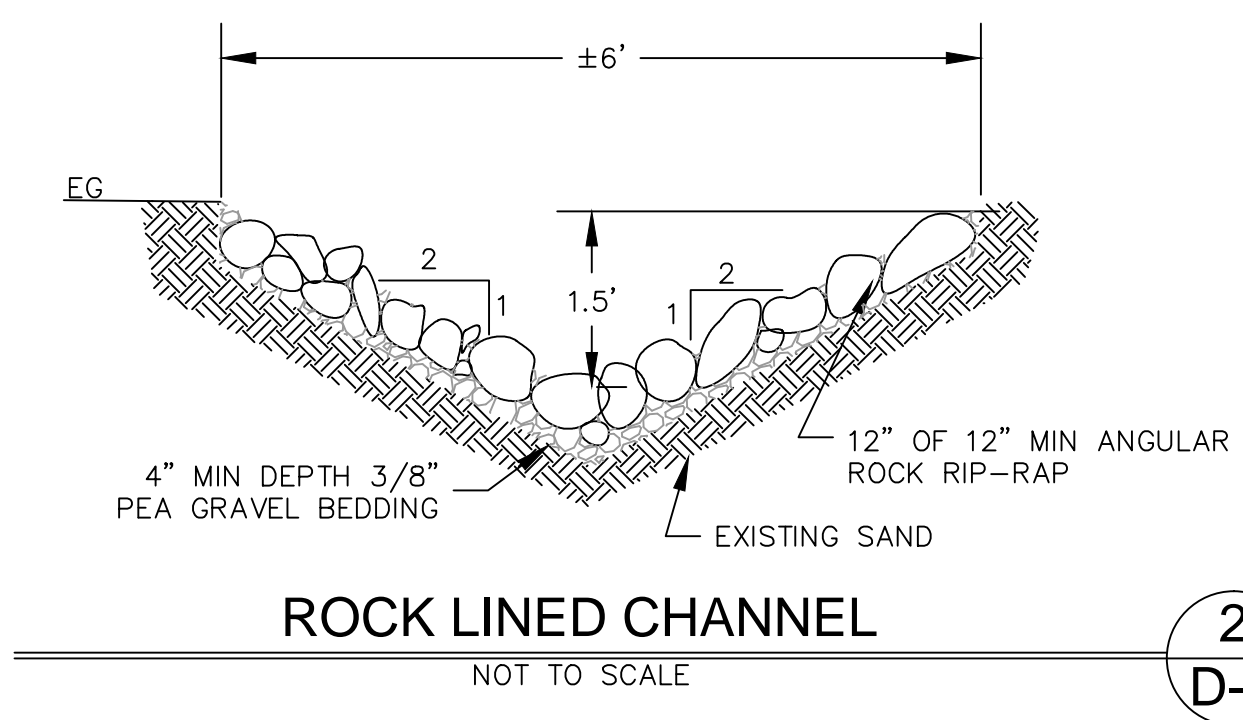
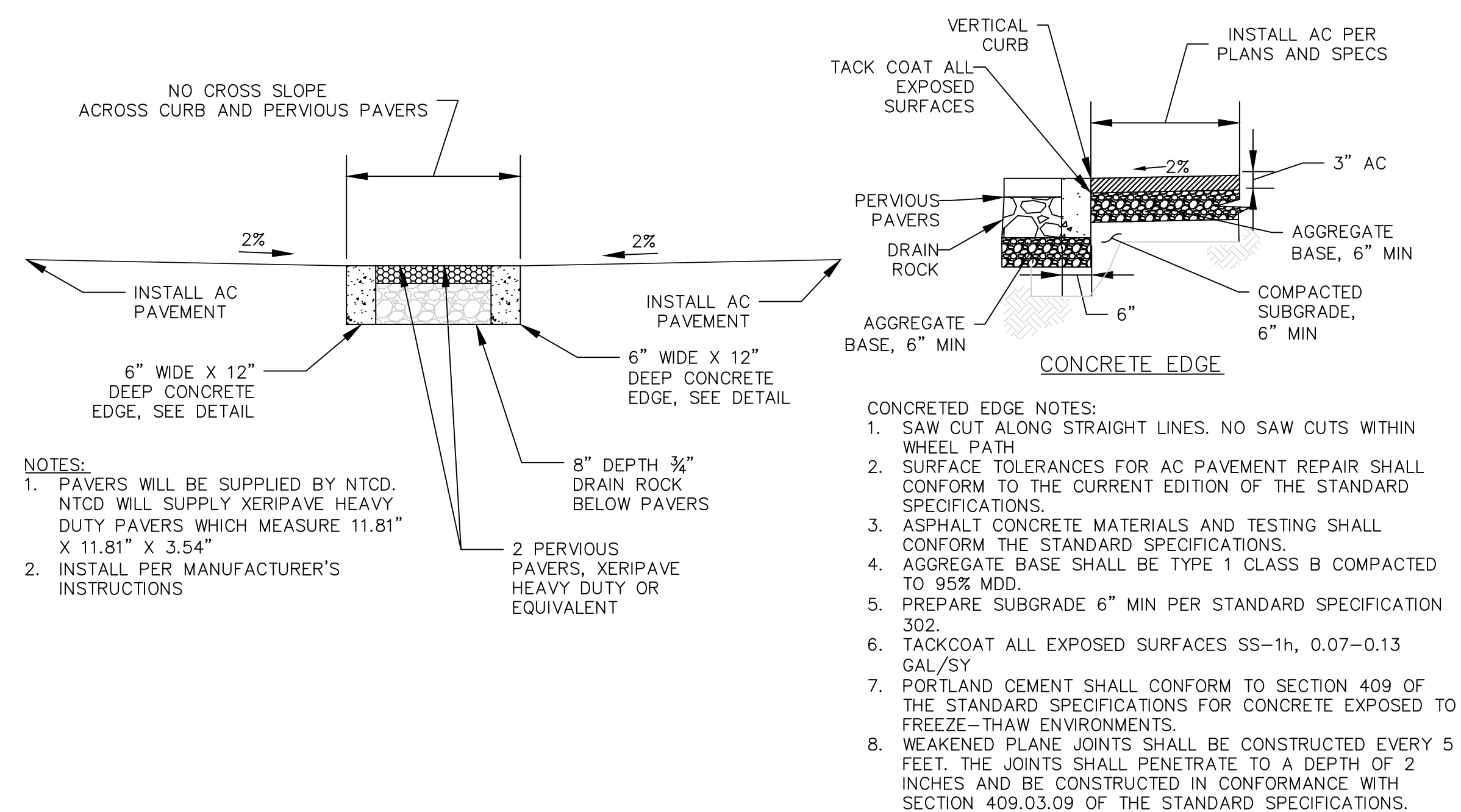
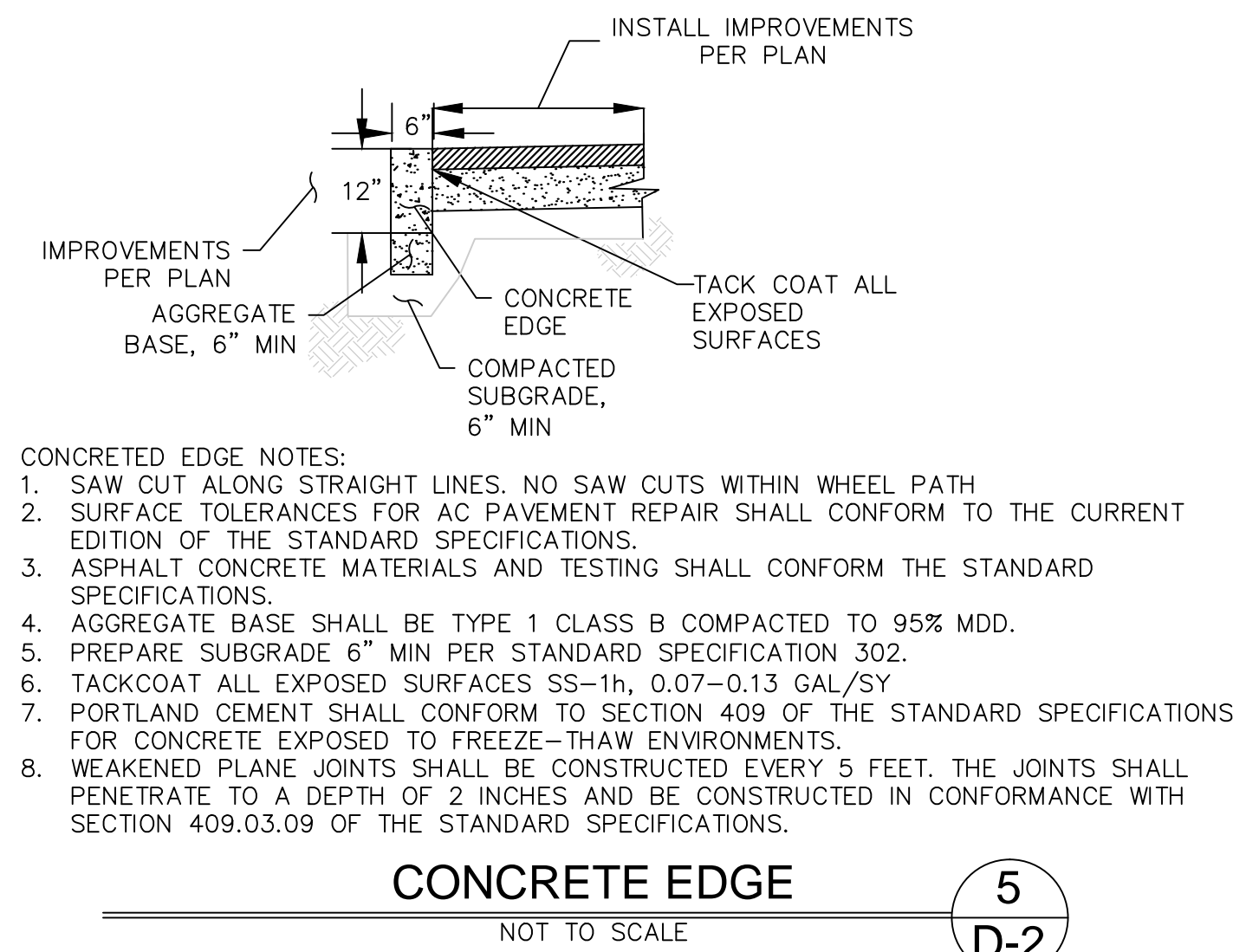
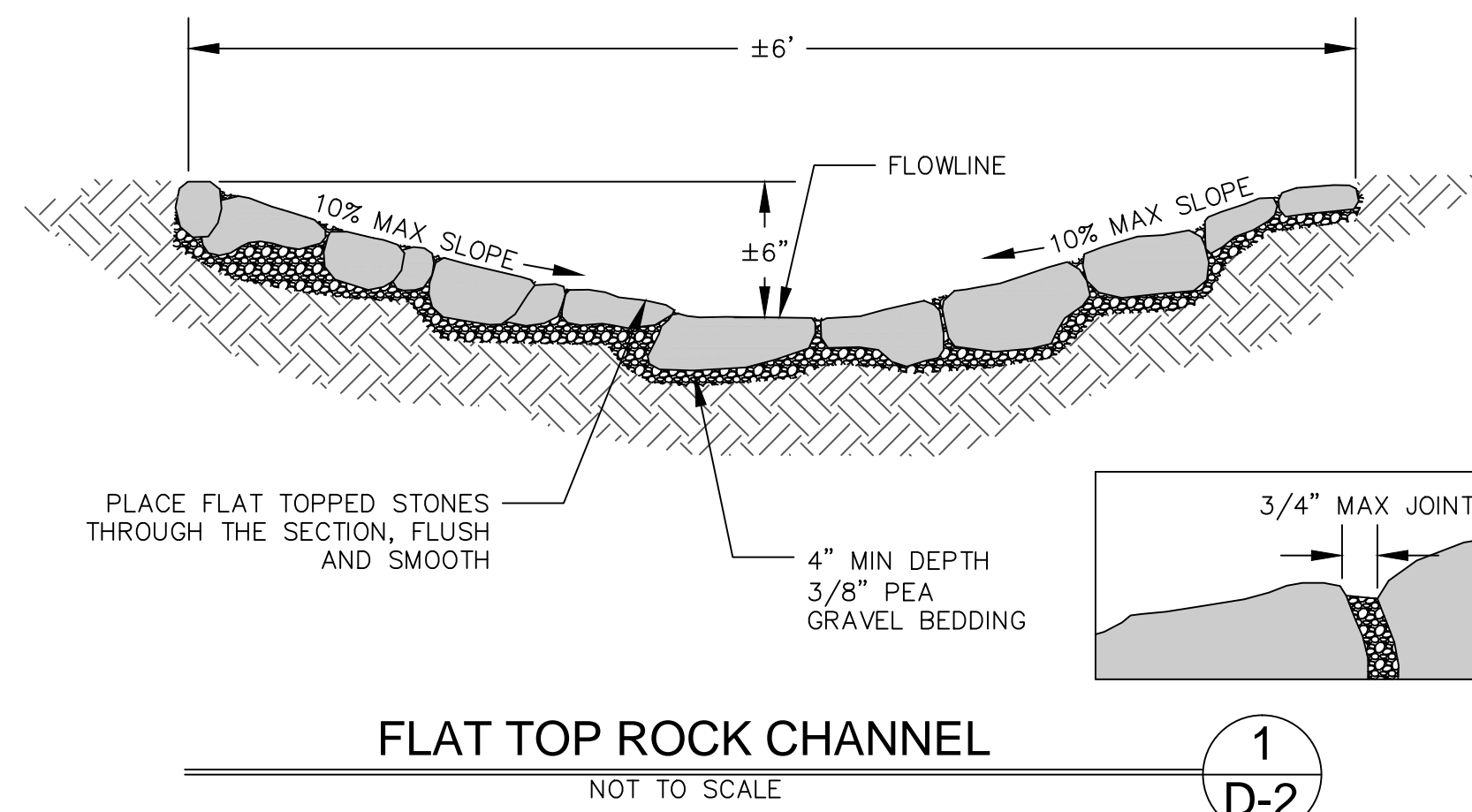
- PIPE CONNECTION NOTES:
1. ALL GROUT SHOWN SHALL BE NON-SHRINK
 2. CUT FLUSH WITH INSIDE OF DI, MANHOLE, OR VAULT AND BENCH INSIDE MANHOLE



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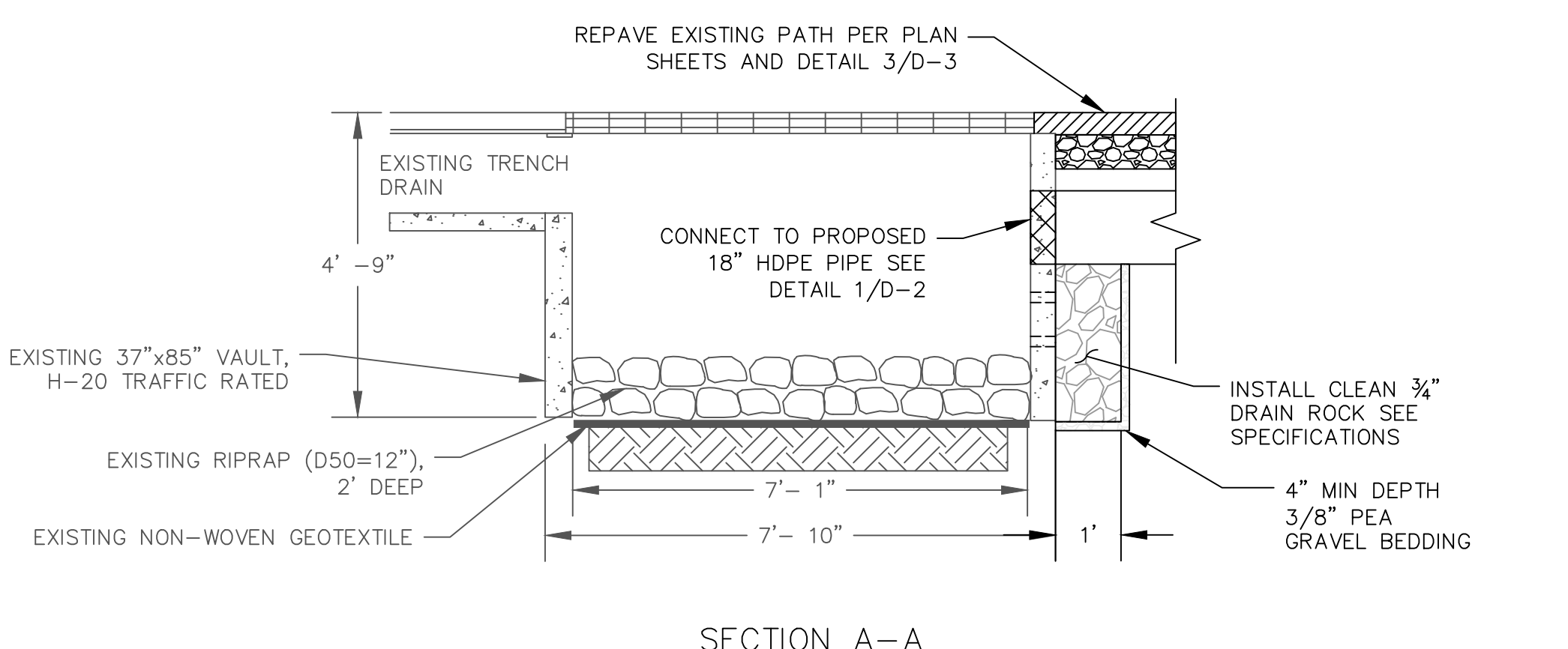
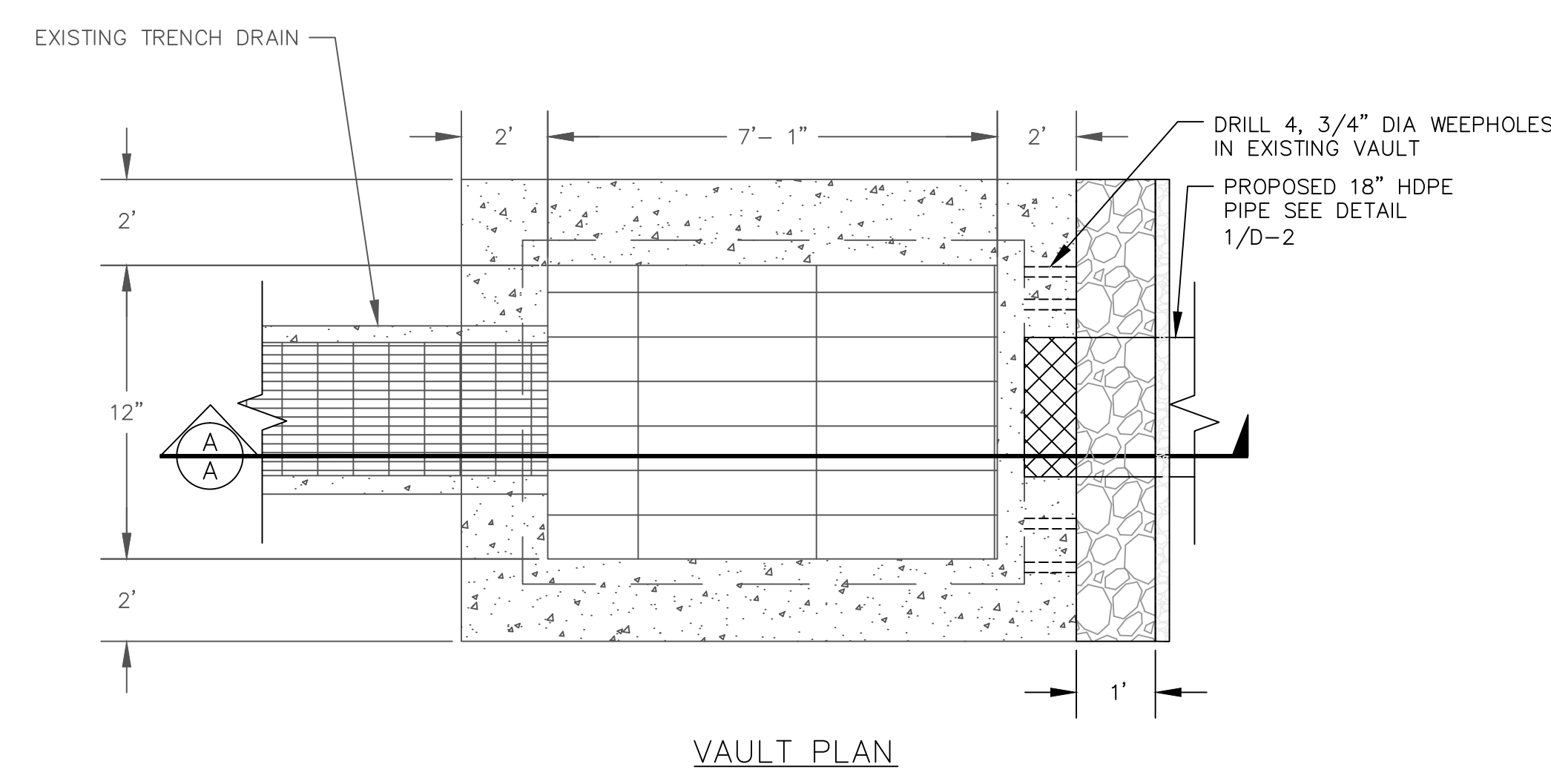
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CHECKED	MBG
DATE	8/2016
SCALE	AS SHOWN
PROJECT	ZC WQIP



- CURB NOTES:**
1. SAW CUT ALONG STRAIGHT LINES. NO SAW CUTS WITHIN WHEEL PATH
2. SURFACE TOLERANCES FOR AC PAVEMENT REPAIR SHALL CONFORM TO THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS.
3. ASPHALT CONCRETE MATERIALS AND TESTING SHALL CONFORM THE STANDARD SPECIFICATIONS.
4. AGGREGATE BASE SHALL BE TYPE 1 CLASS B COMPACTED TO 95% MDD.
5. PREPARE SUBGRADE 6" MIN PER STANDARD SPECIFICATION 302.
6. TACKCOAT ALL EXPOSED SURFACES SS-1h, 0.07-0.13 GAL/SY
7. PORTLAND CEMENT SHALL CONFORM TO SECTION 409 OF THE STANDARD SPECIFICATIONS FOR CONCRETE EXPOSED TO FREEZE-THAW ENVIRONMENTS.
8. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED EVERY 5 FEET. THE JOINTS SHALL PENETRATE TO A DEPTH OF 2 INCHES AND BE CONSTRUCTED IN CONFORMANCE WITH SECTION 409.03.09 OF THE STANDARD SPECIFICATIONS.

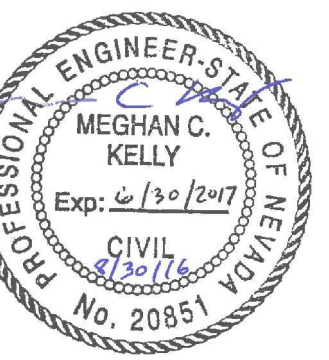
VERTICAL CURB
NOT TO SCALE

4
D-2



RETROFIT INFILTRATION VAULT WITH WEEP HOLES
NOT TO SCALE

7
D-2



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DATE	8/2016
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PROJECT	ZC WQIP

SHEET