

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE

EL PASO COUNTY, COLORADO

PERMANENT BEST MANAGEMENT PLANS

STANDARD NOTES FOR EL PASO COUNTY CONSTRUCTION PLANS:

- ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
- CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:
 - EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
 - CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
 - COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 - CDOT M & S STANDARDS
- NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (PCD) - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
- CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
- ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
- CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
- SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY PCD AND MUTCD CRITERIA. [IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]
- CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DPW, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
- THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.



VICINITY MAP
SCALE: 1"=1000'

SHEET INDEX

- COVER SHEET
- LEGEND
- POND GRADING
- FOREBAY #1 DETAILS
- FOREBAY #2 DETAILS
- OUTLET STRUCTURE DETAILS
- OUTLET STRUCTURE DETAILS (CONT.)

Action Item: Add note "CSU Field Engineer to determine final gas meter, transformer and service line locations. Contact Field Engineering at 719-668-4985 (Gas) with any questions."

AGENCIES

OWNER/DEVELOPER:	TURKEY CANON QUARRY, LLC 20 BOULDER CRESCENT, SUITE 201 COLORADO SPRINGS, CO 80903 JAMES F. MORLEY (719) 471-1742	WATER RESOURCES:	STERLING RANCH METRO DISTRICT ENGINEERS JDS-HYDRO CONSULTANTS 545 E. PIKES PEAK AVE., SUITE 300 COLORADO SPRINGS, CO 80903 JOHN MCGINN (719) 668-8769
CIVIL ENGINEER:	ALL TERRAIN ENGINEERING LLC 1004 WEST VAN BUREN STREET COLORADO SPRINGS, CO 80907 RYAN BURNS P.E.	FIRE DISTRICT:	BLACK FOREST FIRE PROTECTION DISTRICT 11445 TEACHOUT ROAD COLORADO SPRINGS, CO 80908 CHIEF BRYAN JACK (719) 495-4300
COUNTY ENGINEERING:	EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT 2880 INTERNATIONAL CIRCLE, SUITE 110 COLORADO SPRINGS, CO 80910 JEFF RICE, P.E. (719) 520-6300	GAS DEPARTMENT:	COLORADO SPRINGS UTILITIES 7710 DURANT DR. COLORADO SPRINGS, CO 80947 TIM WENDT (719) 668-3556
TRAFFIC ENGINEERING:	EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS 3275 AKERS DRIVE COLORADO SPRINGS, CO 80922 JENNIFER IRVINE, P.E. (719) 520-6460	ELECTRIC DEPARTMENT:	MOUNTAIN VIEW ELECTRIC 11140 E. WOODMEN ROAD FALCON, CO 80831 (719) 495-2283

BASIS OF BEARINGS

THE NORTH LINE OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 5, TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, BEING MONUMENTED AT THE NORTHEAST CORNER OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 5, BY A 3-1/4" ALUMINUM CAP STAMPED "LS 10376" AND AT THE NORTH QUARTER CORNER BY A 3-1/4" ALUMINUM CAP STAMPED "LS 4842 1996", BEARING S89°14'13"W.

BENCHMARKS

- THE TOP OF AN ALUMINUM SURVEYORS CAP, STAMPED "9853", AT THE SOUTHEAST BOUNDARY CORNER OF BARBARICK SUBDIVISION
NORTHING = 411416.273
EASTING = 235167.071
ELEVATION = 7023.42
- THE TOP OF A RED PLASTIC SURVEYORS CAP, ILLEGIBLE, AT THE NORTHWEST BOUNDARY CORNER OF PAWNEE RANCHEROS SUBDIVISION
NORTHING = 410095.404
EASTING = 235052.131
ELEVATION = 7000.40
- THE TOP OF A RED PLASTIC SURVEYORS CAP, STAMPED "38141", AT THE SOUTHWEST BOUNDARY CORNER OF BARBARICK SUBDIVISION
NORTHING = 411399.962
EASTING = 233849.817
ELEVATION = 7030.82

OWNER/DEVELOPER STATEMENT

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN.

JIM MORLEY _____ DATE _____

TURKEY CANON QUARRY LLC
20 BOULDER CRESCENT, SUITE 200
COLORADO SPRINGS, CO 80903

DISTRICT APPROVALS

THESE DOCUMENTS HAVE BEEN REVIEWED AND APPROVED FOR STORM DRAIN AND ASSOCIATED UTILITY SERVICE CONSTRUCTION.

FOR AND ON BEHALF OF THE STERLING RANCH METRO DISTRICT _____ DATE _____

EL PASO COUNTY STATEMENT

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

JOSHUA PALMER, P.E. _____ DATE _____

COUNTY ENGINEER/ECM ADMINISTRATOR

ENGINEER'S STATEMENT

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECT SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLAN AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

RYAN E. BURNS, P.E. _____ DATE _____
COLORADO P.E. 54412
FOR AND ON BEHALF OF JR ENGINEERING, LLC



Know what's below.
Call before you dig.

RYAN E. BURNS, P.E.
NO. 1917860 - ALL TERRAIN ENGINEERING, INC.
JIM MORLEY, P.E.
NO. 1917860 - ALL TERRAIN ENGINEERING, INC.

PREPARED FOR:
TURKEY CANON QUARRY, LLC
20 BOULDER CRESCENT SUITE 201
COLORADO SPRINGS, CO 80903
ATTN: JIM MORLEY
(719) 471-1742
JMORLEY3670@AOL.COM

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, ALL TERRAIN ENGINEERING APPROVES THEIR USE ONLY FOR THE PURPOSES DESIGNATED BY WRITTEN AUTHORIZATION.

REV. DESCRIPTION	DATE

JOB NO.: 24013

LOCATION: EPC

PERMANENT BEST MANAGEMENT PLANS

COVER SHEET

DESIGN: REB

REVIEW: NOJ

DATE: 07/01/2024

H-SCALE: 1"=1000'

V-SCALE: N/A

SHEET

1

OF

6

PLANOMETRICS

	EXISTING	PROPOSED
SECTION LINE	---	---
RIGHT-OF-WAY	---	---
PARCEL LINE	---	---
EASEMENT LINE	---	---
BOUNDARY LINE	---	---
CENTER LINE	---	---

CONSTRUCTION

	EXISTING	PROPOSED
C&G	---	---
EDGE OF ASPHALT	---	---
CONCRETE	---	---
SIDE WALK	---	---
CROSS PAN	---	---
PARKING LOT STRIPING	---	---
ROADWAY STRIPING - DHASED	---	---
ROADWAY STRIPING - DOTTED	---	---
GUARDRAIL	---	---
FENCE	---	---
SOUNDWALL	---	---
DEMO	---	---
GRAVEL	---	---
RIPRAP	---	---
DIRT	---	---
TRAIL/PATH	---	---
RAIL LINE	---	---

GRADING

	EXISTING	PROPOSED
CONTOUR INTERMEDIATE	---	---
CONTOUR INDEX	---	---
TOP OF SLOPE	---	---
TOE OF SLOPE	---	---
CUT/FILL BOUNDARY	---	---
LIMITS OF GRADING	---	---
LIMITS OF DISTURBANCE	---	---

UTILITIES

	EXISTING	PROPOSED
SANITARY SEWER	SS	SS
SANITARY SEWER SERVICE	SS	SS
POTABLE WATER MAIN	W	W
POTABLE WATER SERVICE	W	W
RAW WATER MAIN	RAW	RAW
IRRIGATION MAIN	---	---
SANITARY FORCE MAIN	FM	FM
UNDER-DRAIN	UD	UD
GAS PIPE	G	G
HIGH PRESSURE GAS	HPG	HPG
OIL/PETROLEUM LINE	O	O
UNDER-GROUND ELECTRIC	UGE	UGE
OVER-HEAD ELECTRIC	OHU	OHU
FIBER OPTIC	FO	FO
COMMUNICATION LINES MISC.	COM	COM
STORM PIPE	---	---
HGL MINOR	---	---
HGL MAJOR	---	---

DRAINAGE

	EXISTING	PROPOSED
BASE FLOOD ELEVATION	---	---
100-YR FLOOD PLAIN	---	---
500-YR FLOOD PLAIN	---	---
FLOODWAY	---	---
SWALE/DITCH	---	---
THALWEG (STREAM/CREEK)	---	---
LIMITS OF WETLANDS	---	---
EDGE OF WATER	---	---
SILT FENCE	---	---
CONSTRUCTION FENCE/MARKERS	---	---

UTILITY SYMBOLS

	EXISTING	PROPOSED
STORM SEWER	⊙	●
MANHOLE	⊙	●
STORM INLET	□	■
AREA INLET - SQUARE	□	■
AREA INLET - ROUND	○	●
FLARED END SECTION	▷	▷

TRAFFIC

	EXISTING	PROPOSED
TRAFFIC SIGNAL BOX	⊠	⊠
TRAFFIC SIGNAL POLE	⊠	⊠
SIGN	⊠	⊠
STREET LIGHT	⊙	⊙
STREET LIGHT - SINGLE	⊙	⊙
STREET LIGHT - DOUBLE	⊙	⊙
LUMINAIRE	⊙	⊙

LANDSCAPE

	EXISTING	PROPOSED
TREE - CONIFEROUS	⊙	⊙
TREE - DECIDUOUS	⊙	⊙
SHRUB/BUSH	⊙	⊙
SHRUBS AND BUSHES	⊙	⊙
IRRIGATION BOX	⊙	⊙
IRRIGATION SPRINKLER	⊙	⊙
IRRIGATION VALVE	⊙	⊙
BOLLARD	⊙	⊙
FLAGPOLE	⊙	⊙

UTILITY SYMBOLS

	EXISTING	PROPOSED
LINE MARKER	Mkr San ^o	
SERVICE MARKER	△	●
CLEAN-OUT	○	+
MANHOLE	⊙	●

WATER

	EXISTING	PROPOSED
LINE MARKER	Mkr W ^o	
SERVICE MARKER	△	●
FIRE HYDRANT	⊙	●
FIRE CONNECTION	⊙	●
MANHOLE	⊙	●
BEND	⊙	●
BLOW-OFF VALVE	⊙	●
WELL	⊙	●
METER	⊙	●
VALVE	⊙	●
REDUCER	⊙	●
THRUST BLOCK	⊙	●
CROSS	⊙	●
PLUG W/ THRUST BLOCK	⊙	●
TEE	⊙	●
REVERSE ANCHOR	⊙	●
ANODE	⊙	●
AIR & VACUUM VALVE ASSEMBLY	⊙	●

GAS

	EXISTING	PROPOSED
MARKER	Mkr G ^o	
SERVICE MARKER	△	●
METER	⊙	●

DRY UTILITIES

	EXISTING	PROPOSED
CABLE TV MARKER	Mkr TV ^o	
CABLE TELEVISION PEDESTAL	⊙	●
ELECTRIC MARKER	Mkr E ^o	
ELECTRIC SERVICE MARKER	△	●
ELECTRICAL PEDESTAL	⊙	●
ELECTRICAL METER	⊙	●
ELECTRICAL MANHOLE	⊙	●
FIBER-OPTIC MARKER	Mkr FO ^o	
IRRIGATION PEDESTAL	⊙	●
TELEPHONE MARKER	Mkr T ^o	
TELEPHONE PEDESTAL	⊙	●
TELEPHONE MANHOLE	⊙	●
UTILITY POLE	⊙	●
GUY ANCHOR	⊙	●
GUY POLE	⊙	●

MISC. UTILITIES

	EXISTING	PROPOSED
VENT PIPE	⊙	●
TEST HOLE DESIGNATOR	⊙	●



Know what's below.
Call before you dig.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

PREPARED FOR:
TURKEY CANON QUARRY LLC
20 BOULDER CRESCENT STREET, SUITE 100
COLORADO SPRINGS, CO 80903
ATTN: JIM MORLEY (719)
JMORLEY3870@AOL.COM

ENGINEERING

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, ALL TERRAIN ENGINEERING APPROVES THEIR USE ONLY FOR THE PURPOSES DESIGNATED BY WRITTEN AUTHORIZATION.

JOB NO.	24013
LOCATION:	EPC
REV	DESCRIPTION
DATE	

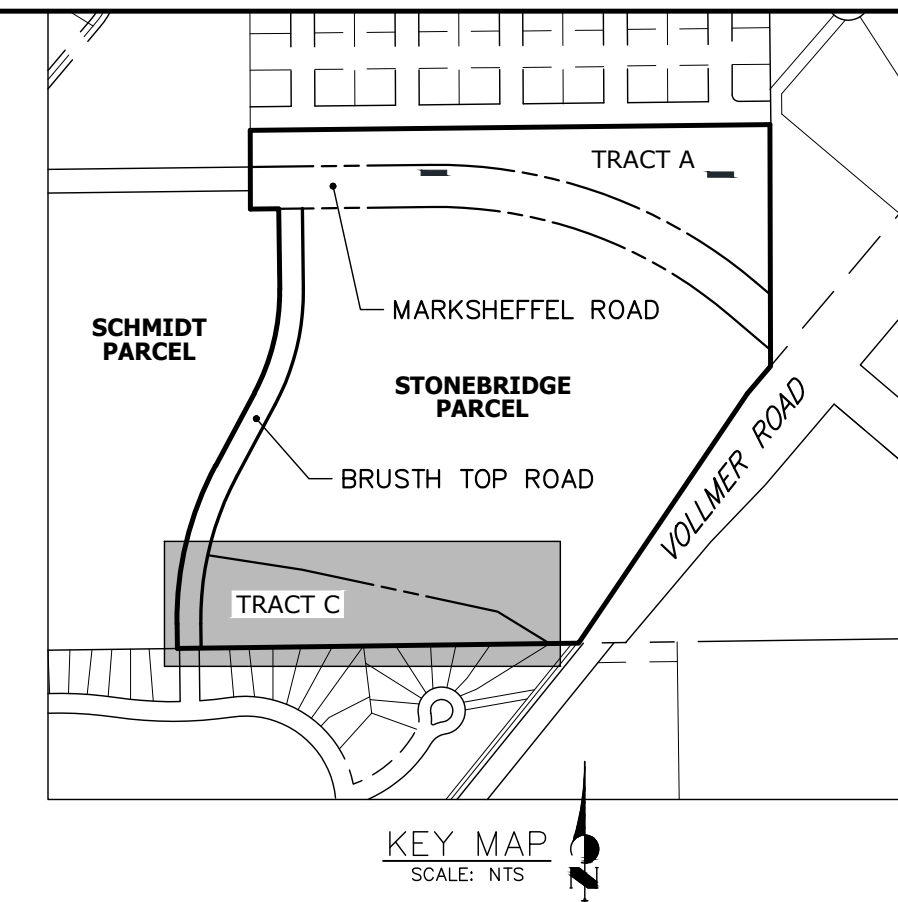
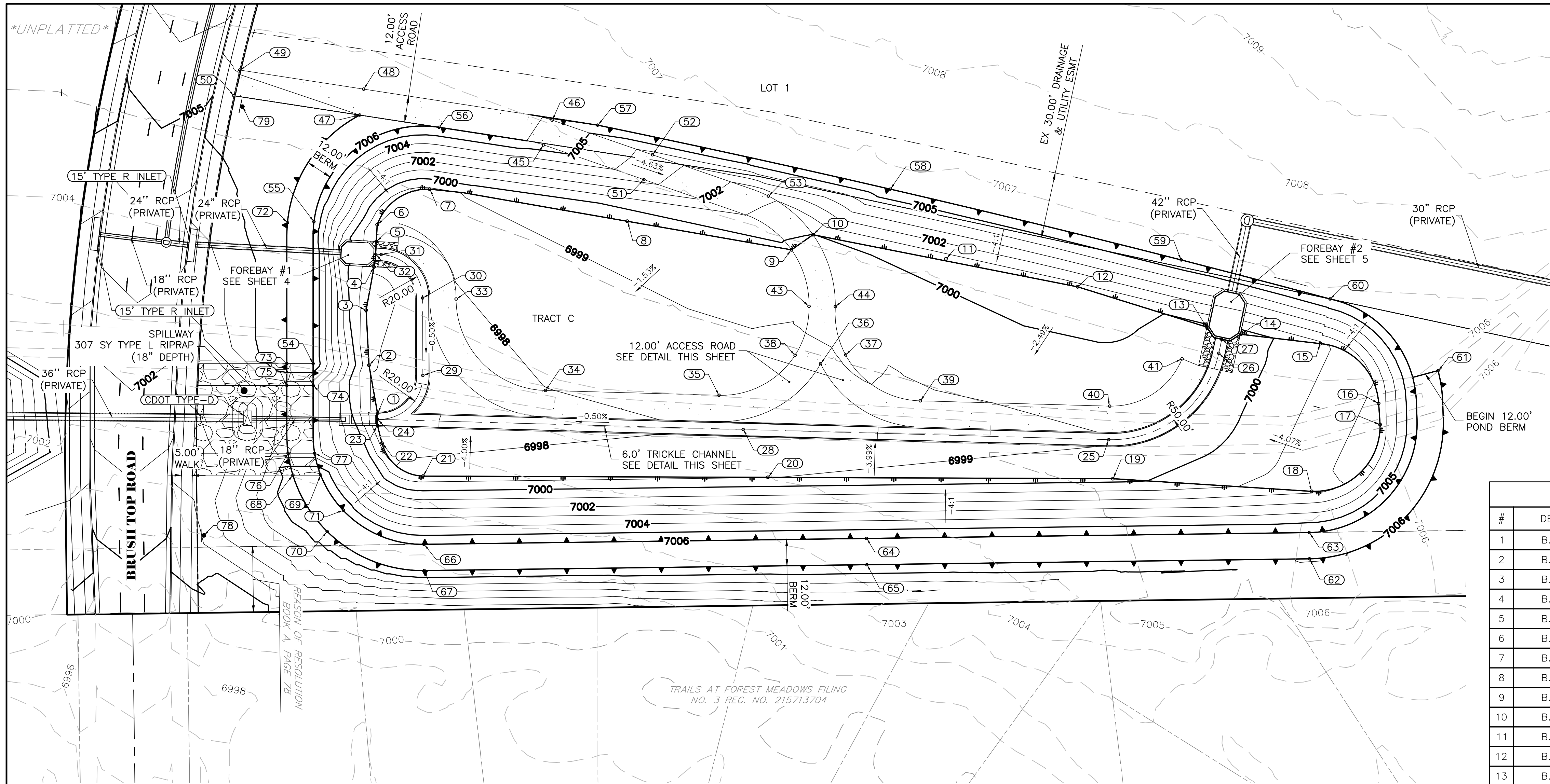
PERMANENT BEST MANAGEMENT PLANS

LEGEND

DESIGN: REB
REVIEW: NOJ
DATE: 07/01/2024

H-SCALE: N/A
V-SCALE: N/A

SHEET
2 OF 6



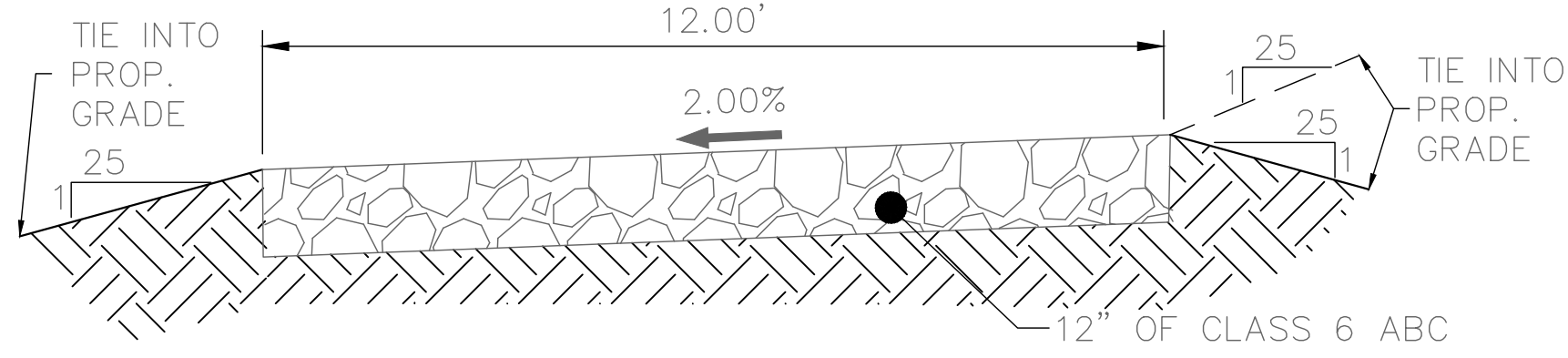
Structure Table				
#	DESC.	NORTHING	EASTING	ELEVATION
1	B.O.P.	410129.0	231139.66	6996.86
2	B.O.P.	410150.9	231135.78	6998.11
3	B.O.P.	410176.0	231134.46	6998.44
4	B.O.P.	410195.8	231138.09	6997.95
5	B.O.P.	410207.5	231139.10	6997.95
6	B.O.P.	410215.1	231139.52	6998.11
7	B.O.P.	410231.4	231163.46	6998.84
8	B.O.P.	410216.7	231253.83	6999.38
9	B.O.P.	410203.6	231328.92	6999.74
10	B.O.P.	410210.6	231338.74	6999.99
11	B.O.P.	410199.6	231399.54	7000.51
12	B.O.P.	410186.7	231459.70	7000.61
13	B.O.P.	410168.3	231518.71	6999.84
14	B.O.P.	410165.0	231534.40	6999.47
15	B.O.P.	410160.8	231570.72	7001.08
16	B.O.P.	410133.4	231597.32	7002.28
17	B.O.P.	410123.7	231597.99	7002.41
18	B.O.P.	410093.2	231566.74	7001.82
19	B.O.P.	410099.0	231475.84	6999.62
20	B.O.P.	410099.6	231318.15	6998.98
21	B.O.P.	410100.2	231160.47	6998.35
22	B.O.P.	410115.2	231141.73	6997.67
23	B.O.P.	410123.3	231139.66	6996.86
24	BEGIN T.C. FL	410126.1	231139.66	6996.86
25	T.C. FL	410116.8	231473.95	6998.53
26	T.C. FL	410156.3	231524.23	6998.87
27	END T.C. FL	410162.7	231525.59	6998.91
28	T.C. FL	410121.5	231306.85	6997.69
29	T.C. FL	410146.2	231160.40	6997.02
30	T.C. FL	410181.6	231160.27	6997.19
31	T.C. FL	410201.5	231141.35	6997.34
32	END T.C. FL	410201.6	231138.89	6997.36
33	MAINT. ROAD	410181.2	231175.61	6997.93
34	MAINT. ROAD	410139.3	231216.44	6997.98
35	MAINT. ROAD	410137.1	231295.81	6998.37
36	MAINT. ROAD	410151.6	231342.24	6998.70
37	MAINT. ROAD	410155.6	231353.68	6999.12
38	MAINT. ROAD	410155.5	231330.55	6998.86
39	MAINT. ROAD	410134.6	231387.79	6998.83
40	MAINT. ROAD	410132.2	231474.38	6999.27

Structure Table				
#	DESC.	NORTHING	EASTING	ELEVATION
41	MAINT. ROAD	410153.8	231507.46	6999.57
43	MAINT. ROAD	410177.8	231336.93	6999.13
44	MAINT. ROAD	410177.7	231348.93	6999.27
45	MAINT. ROAD	410251.6	231215.59	7005.63
46	MAINT. ROAD	410263.0	231219.51	7005.80
47	MAINT. ROAD	410265.3	231131.49	7006.00
48	MAINT. ROAD	410277.1	231133.32	7006.18
49	MAINT. ROAD	410285.9	231076.69	7006.08
50	MAINT. ROAD	410274.1	231074.03	7005.76
51	MAINT. ROAD	410235.8	231261.45	7003.33
52	MAINT. ROAD	410247.1	231265.37	7003.66
53	MAINT. ROAD	410228.2	231318.34	7001.21
54	T.O.P.	410151.6	231110.22	7006.00
55	T.O.P.	410216.5	231110.61	7006.00
56	T.O.P.	410259.7	231167.82	7006.00
57	T.O.P.	410260.7	231240.30	7006.00
58	T.O.P.	410231.4	231374.05	7006.00
59	T.O.P.	410199.0	231507.08	7006.00
60	T.O.P.	410181.2	231575.10	7006.00
61	T.O.P.	410148.4	231624.48	7006.00
62	T.O.P.	410062.4	231565.71	7006.00
63	T.O.P.	410074.3	231565.55	7006.00
64	T.O.P.	410071.7	231363.22	7006.00
65	T.O.P.	410059.7	231363.38	7006.00
66	T.O.P.	410069.0	231160.88	7006.00
67	T.O.P.	410057.0	231161.04	7006.00
68	T.O.P.	410100.6	231100.99	7006.00
69	T.O.P.	410100.6	231113.70	7006.00
70	T.O.P.	410074.8	231116.67	7005.99
71	T.O.P.	410084.5	231124.11	7006.00
72	T.O.P.	410216.1	231098.49	7006.00
73	T.O.P.	410151.6	231098.22	7006.00
74	SPILLWAY	410141.6	231110.22	7003.53
75	SPILLWAY	410141.6	231098.22	7003.53
76	SPILLWAY	410110.6	231098.78	7003.53
77	SPILLWAY	410110.6	231110.92	7003.53
78	WARNING SIGN	410073.0	231060.26	7001.10
79	WARNING SIGN	410269.2	231077.87	7005.69

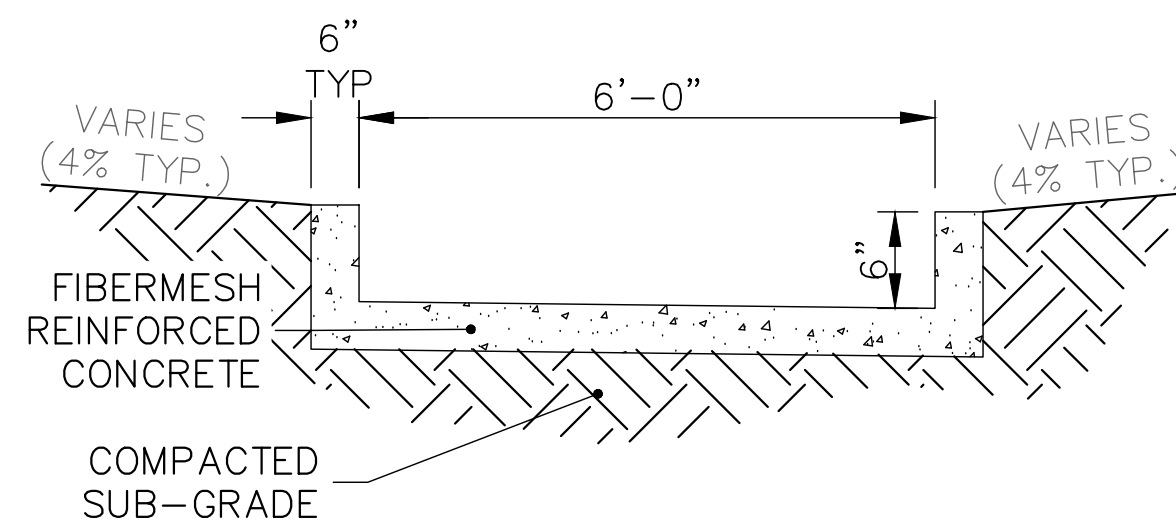
POND GRADING NOTES:

- POND WARNING SIGNS TO BE INSTALLED AT LOCATIONS IDENTIFIED ABOVE. POND WARNING SIGNS SHALL BE 3 SQ. FT. AND SHALL READ:

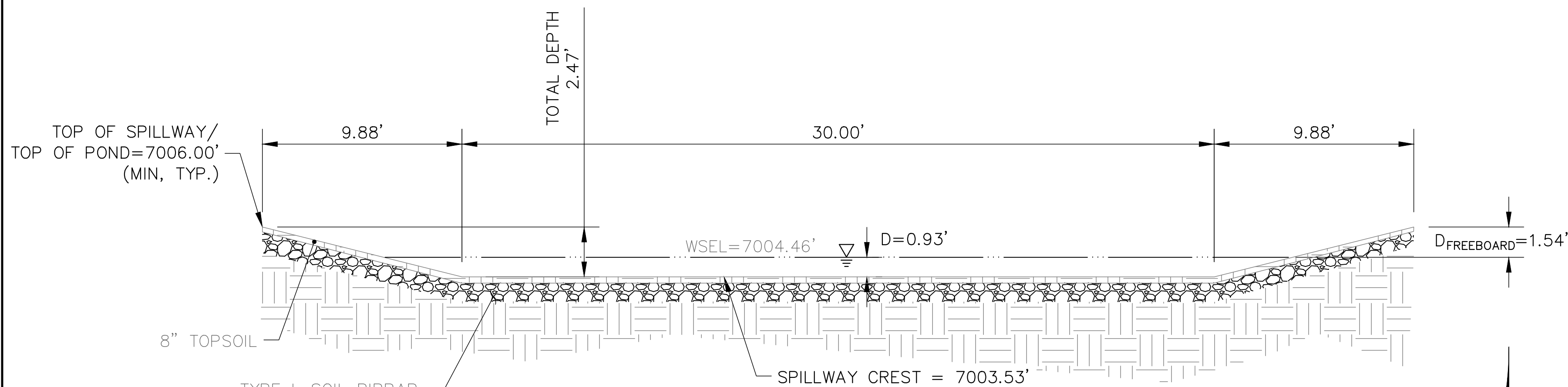
WARNING
THIS AREA IS A STORMWATER FACILITY
AND IS SUBJECT TO PERIODIC FLOODING



12' ACCESS ROAD TYPICAL SECTION
N.T.S.



6.0' CONCRETE TRICKLE CHANNEL
SCALE: NTS



EMERGENCY SPILLWAY SECTION
SCALE: NTS



THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

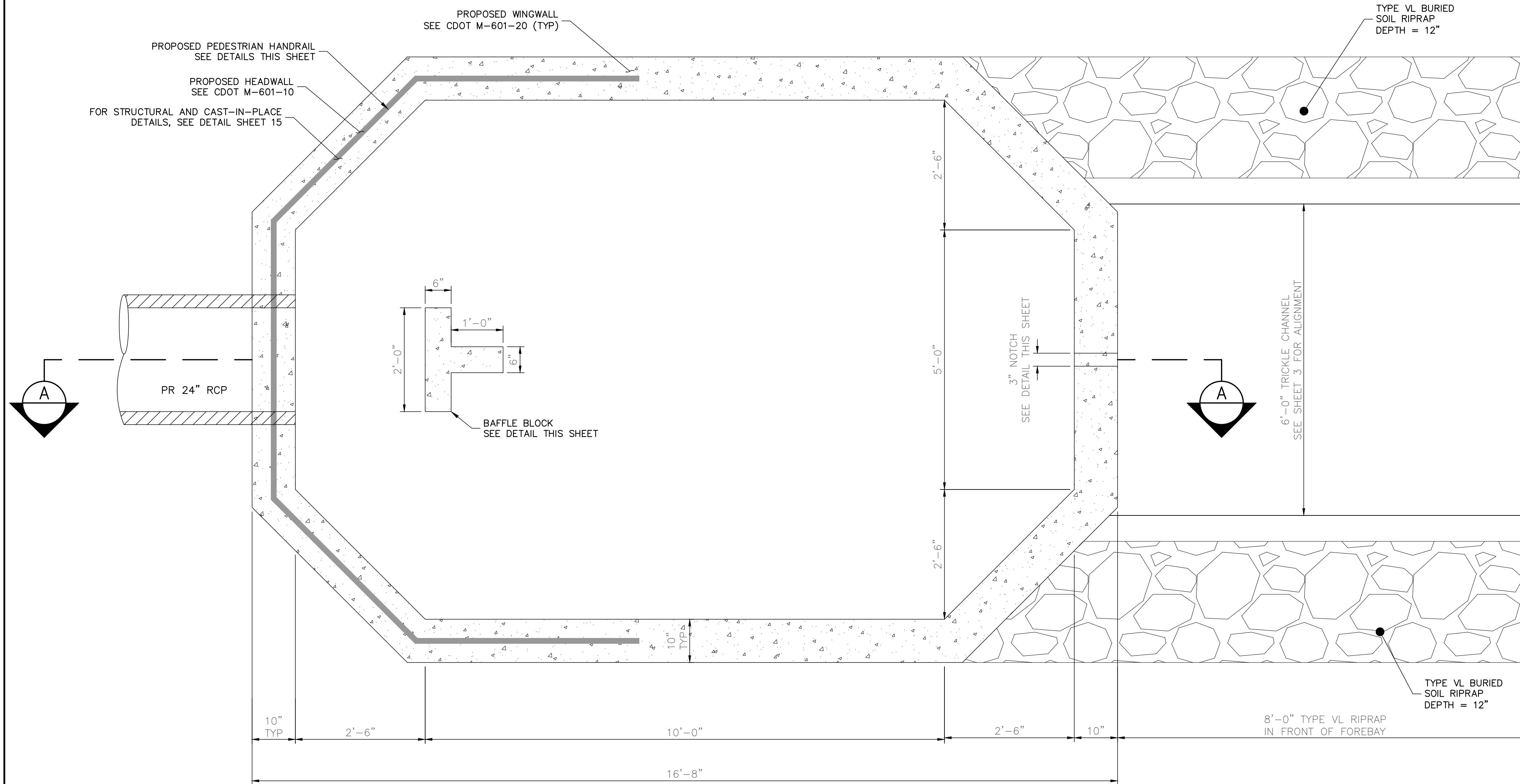
ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF ALL TERRAIN ENGINEERING

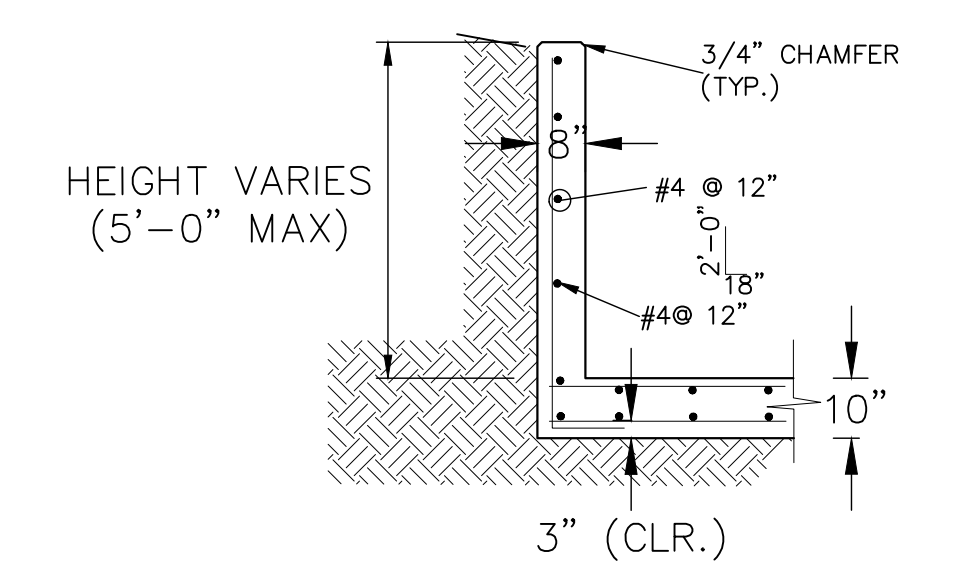
RYAN E. BURNS, P.E.
COLORADO P.E. 54412
FOR AND ON BEHALF OF JR ENGINEERING, LLC

DATE

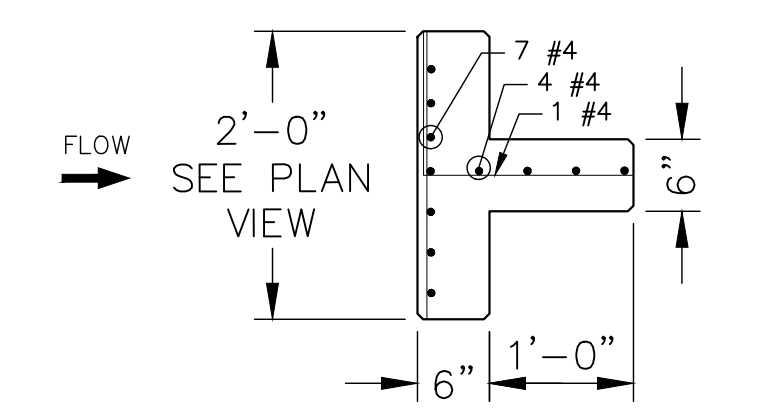
PREPARED FOR: TURKEY CANON QUARRY, LLC
 20 BOULDER CREST STREET, SUITE 100
 COLORADO SPRINGS, CO 80903
 ATTN: JIM MORLEY (719) 593-1888
 JIMORLEY3870@AOL.COM
 UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, ALL TERRAIN ENGINEERING APPROVES THEIR USE ONLY FOR THE PURPOSES DESIGNATED BY WRITTEN AUTHORIZATION.
 JOB NO: 24013 LOCATION: EPC
 DATE
 REV DESCRIPTION
 PERMANENT BEST MANAGEMENT PLANS
 POND GRADING
 DESIGN: REB
 REVIEW: NOJ
 DATE: 07/01/2024
 H-SCALE: 1" = 30'
 V-SCALE: 1" = 3'
 SHEET
 3 OF 6



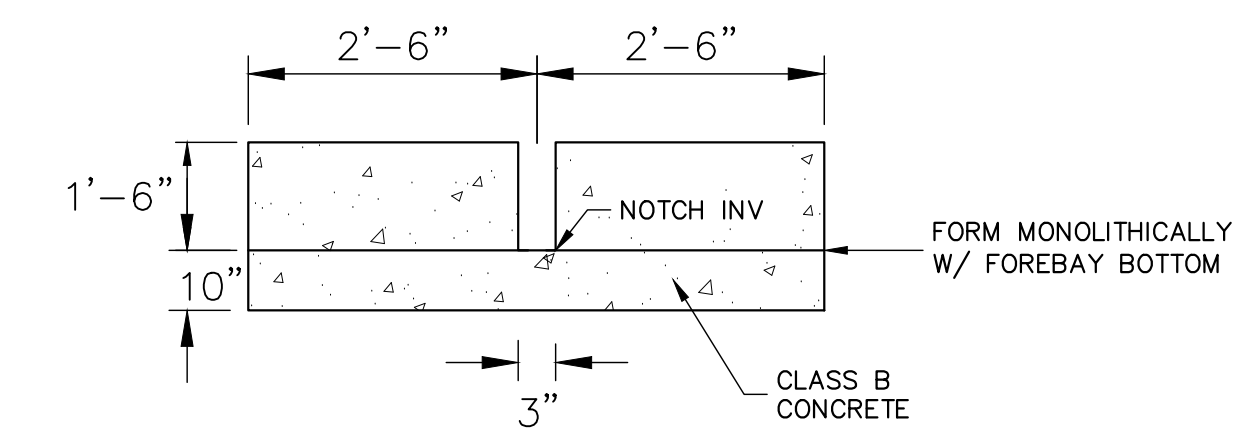
**FOREBAY #1
PLAN VIEW**
SCALE: 3/4"=1'



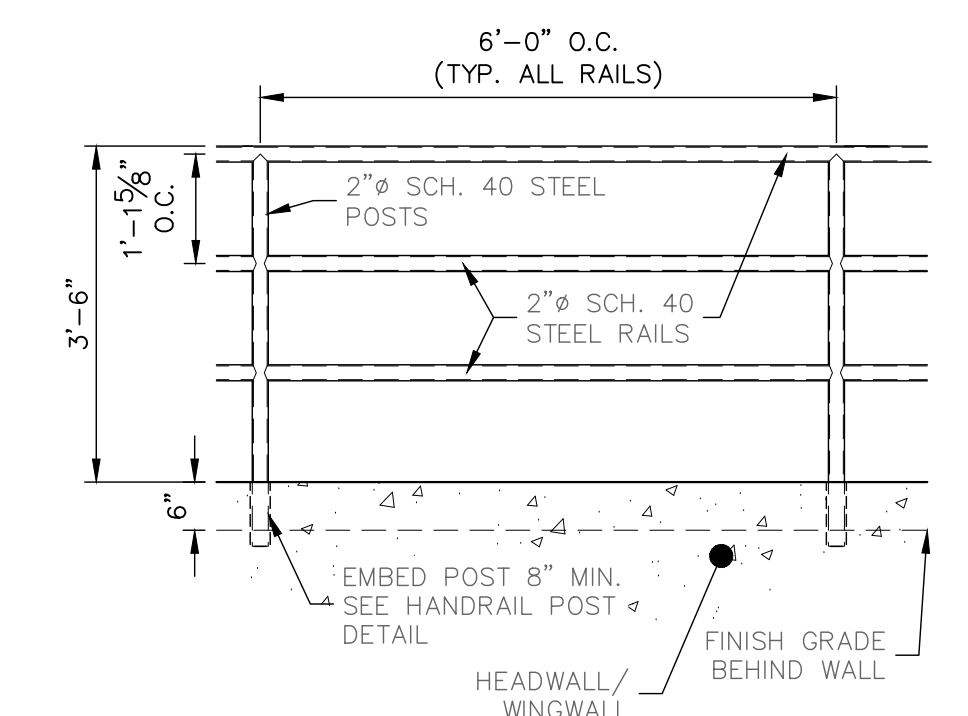
**FOREBAY WINGWALL
REINFORCING DETAIL (TYP.)**
SCALE: N.T.S.



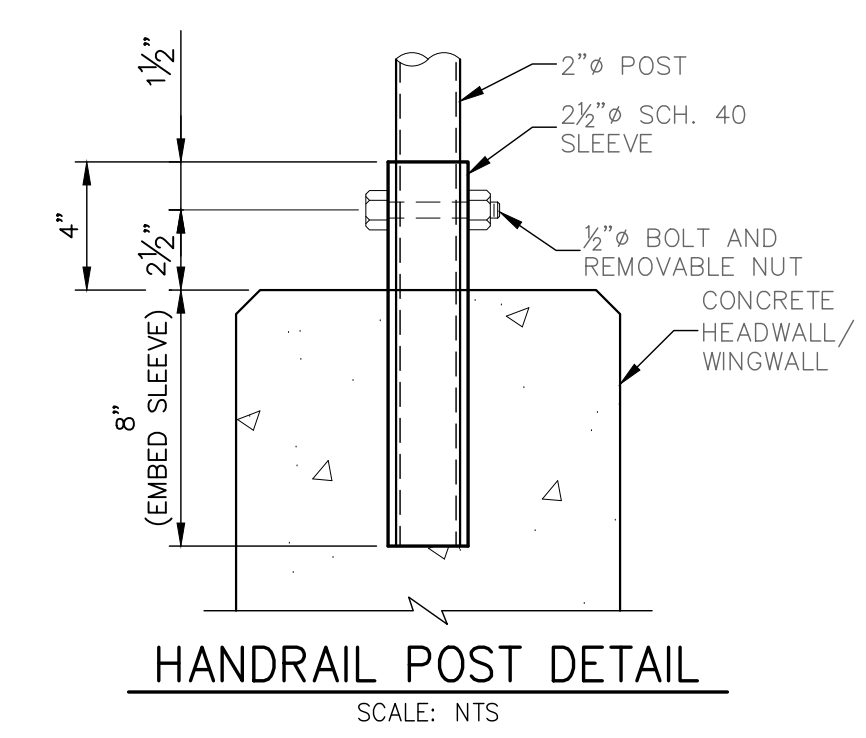
FOREBAY BAFFLE BLOCK PLAN
SCALE: N.T.S.



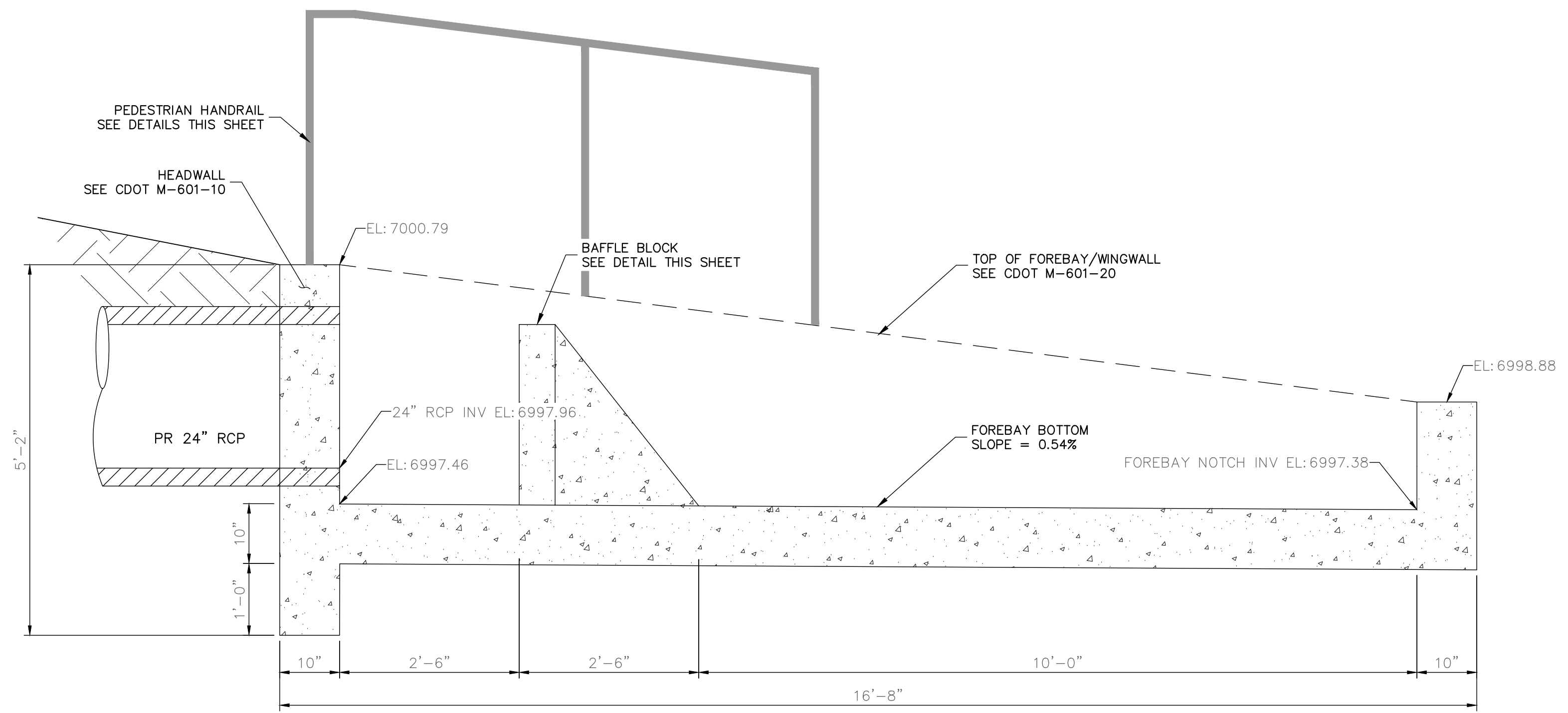
FOREBAY NOTCH
SCALE: N.T.S.



PEDESTRIAN RAILING DETAIL
SCALE: N.T.S.



HANDRAIL POST DETAIL
SCALE: N.T.S.



**FOREBAY #1
SECTION A-A VIEW**
SCALE: 3/4"=1'

ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF ALL
TERRAIN ENGINEERING

RYAN E. BURNS, P.E.
COLORADO P.E. 54412
FOR AND ON BEHALF OF JR ENGINEERING, LLC

DATE

ALL TERRAIN
ENGINEERING

PREPARED FOR:
TURKEY CANON QUARRY LLC
20 BOULDER CRESCENT STREET, SUITE 100
COLORADO SPRINGS, CO 80903
ATTN: JIM MORLEY
(719)
JMORLEY3870@AOL.COM

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DESIGNATED BY WRITTEN
AUTHORIZATION.

JOB NO. 24013	LOCATION: EPC
REV #	DATE

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE

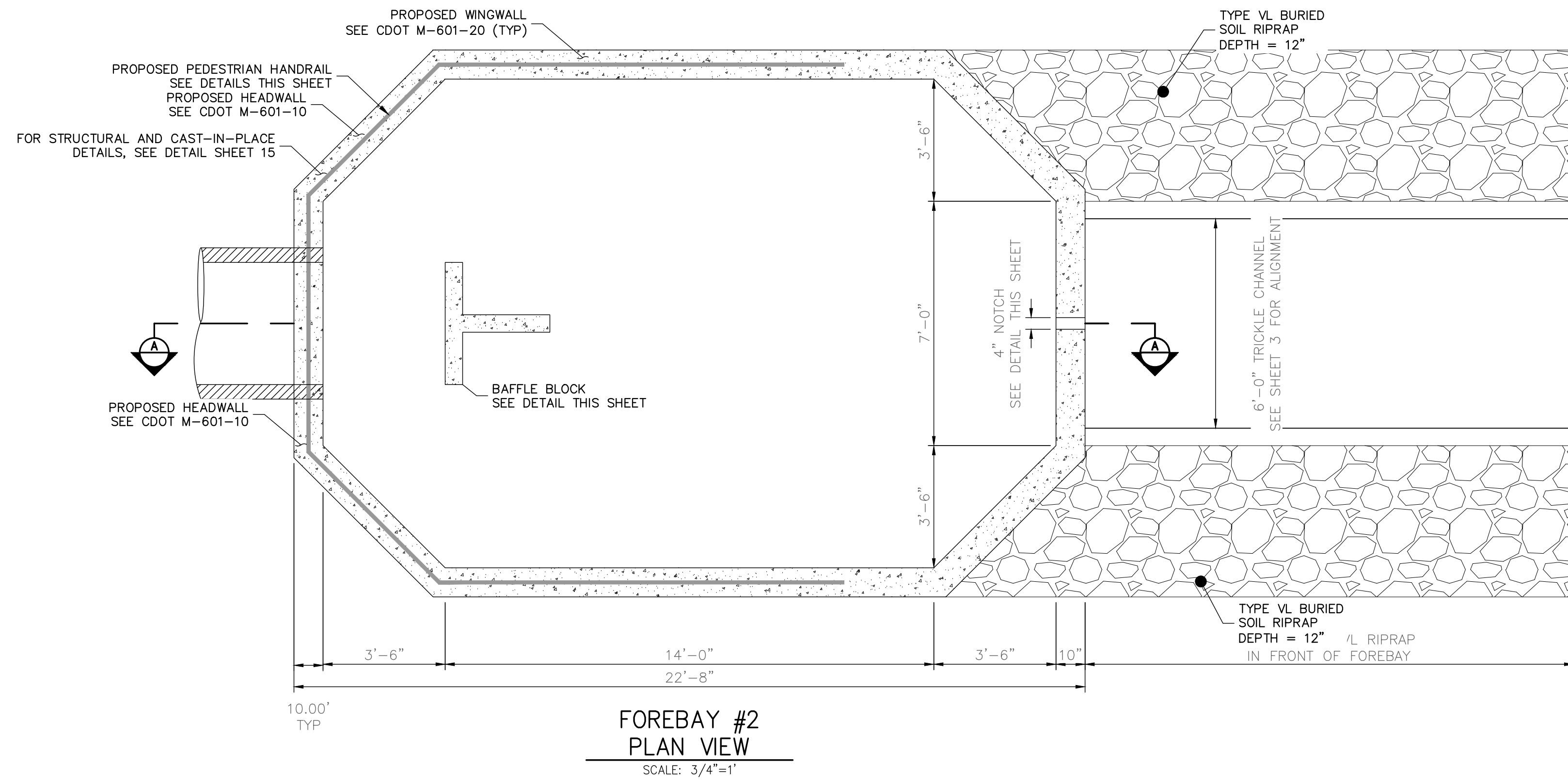
FOREBAY #1 DETAILS

DESIGN: REB
REVIEW: NOJ
DATE: 07/01/2024

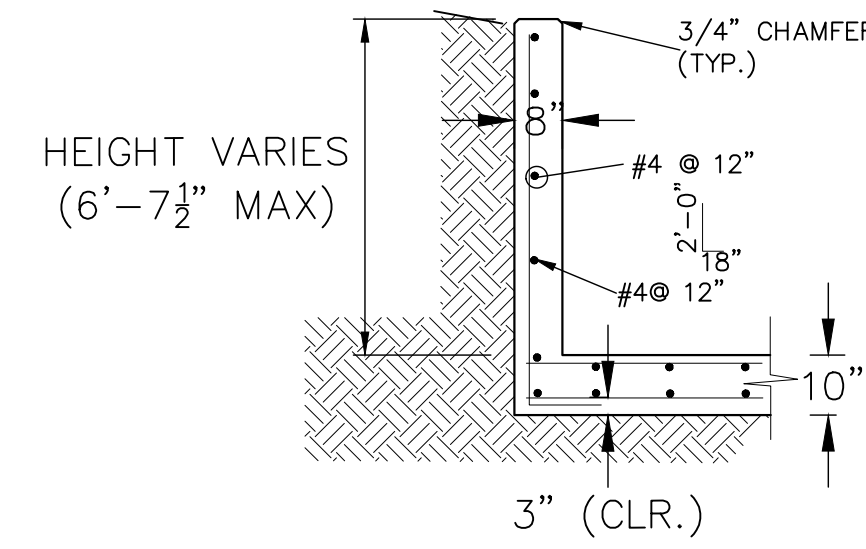
H-SCALE: VARIES
V-SCALE: VARIES

SHEET

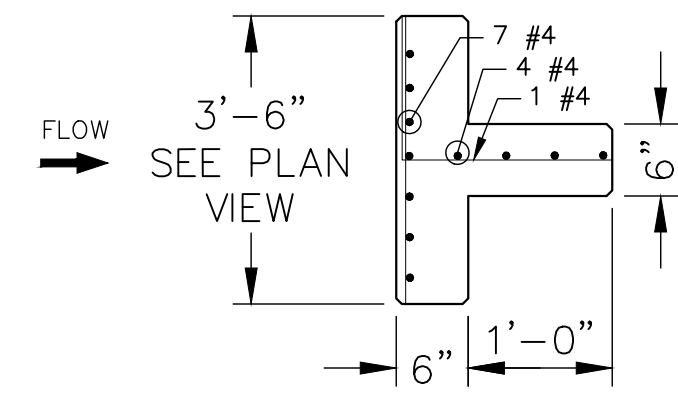
4 OF 6



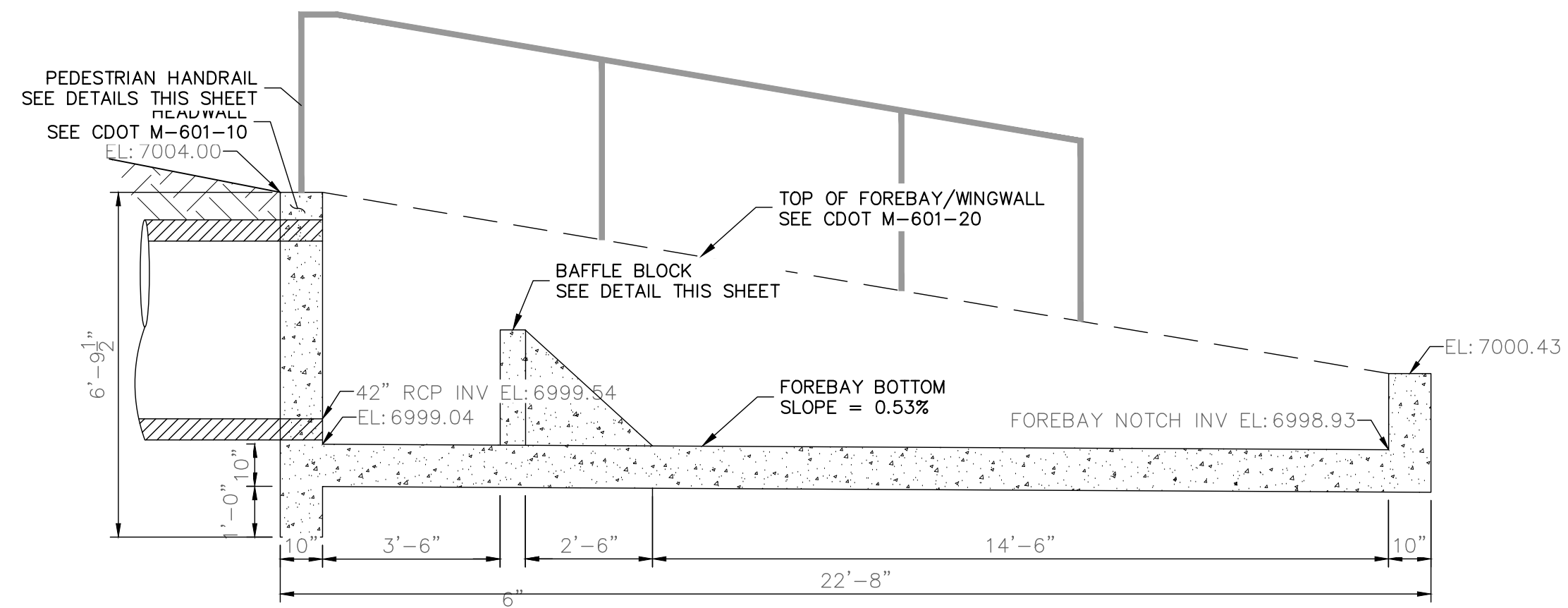
**FOREBAY #2
PLAN VIEW**
SCALE: 3/4"=1'



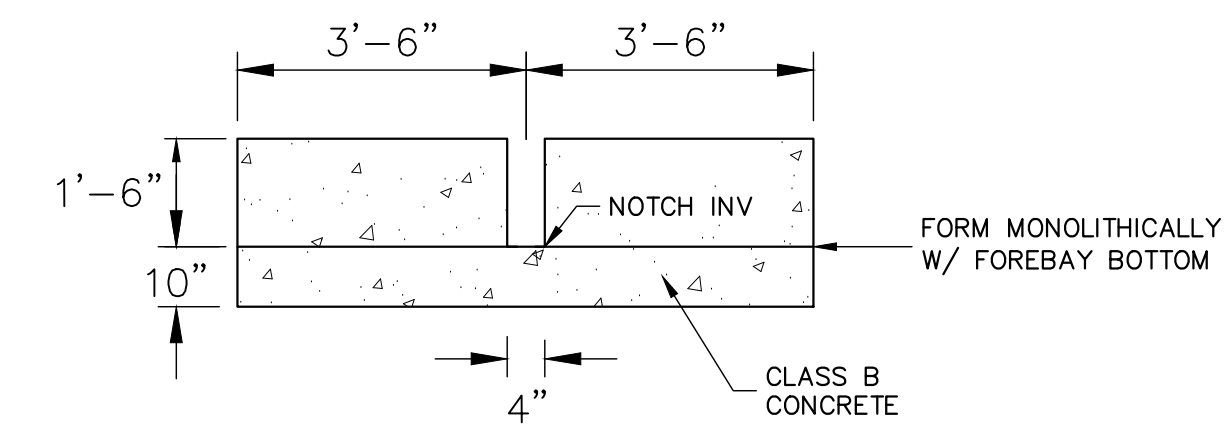
**FOREBAY WINGWALL
REINFORCING DETAIL (TYP.)**
SCALE: N.T.S.



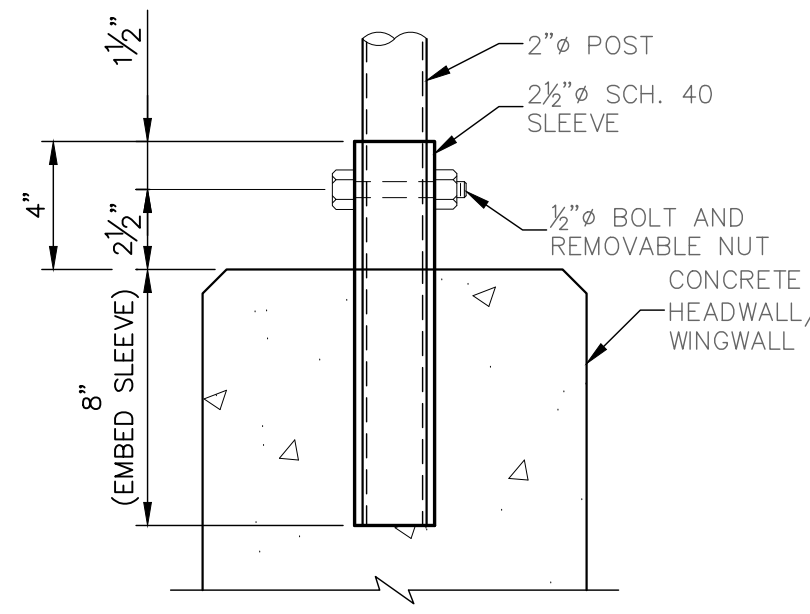
FOREBAY BAFFLE BLOCK PLAN
SCALE: N.T.S.



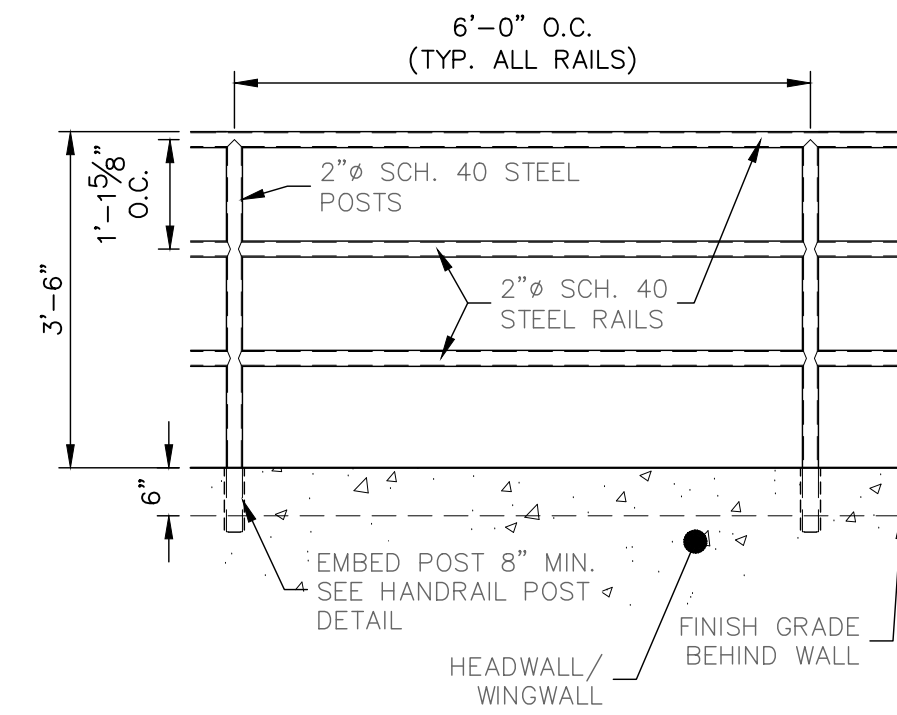
**FOREBAY #2
SECTION A-A VIEW**
SCALE: 3/4"=1'



FOREBAY NOTCH
SCALE: N.T.S.



HANDRAIL POST DETAIL
SCALE: N.T.S.



PEDESTRIAN RAILING DETAIL
SCALE: N.T.S.

PREPARED FOR:
TURKEY CANON QUARRY LLC
20 BOULDER CRESCENT STREET, SUITE 100
COLORADO SPRINGS, CO 80903
ATTN: JIM MORLEY
(719)
JMORLEY3870@AOL.COM

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DESIGNATED BY WRITTEN
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REV	DESCRIPTION	DATE

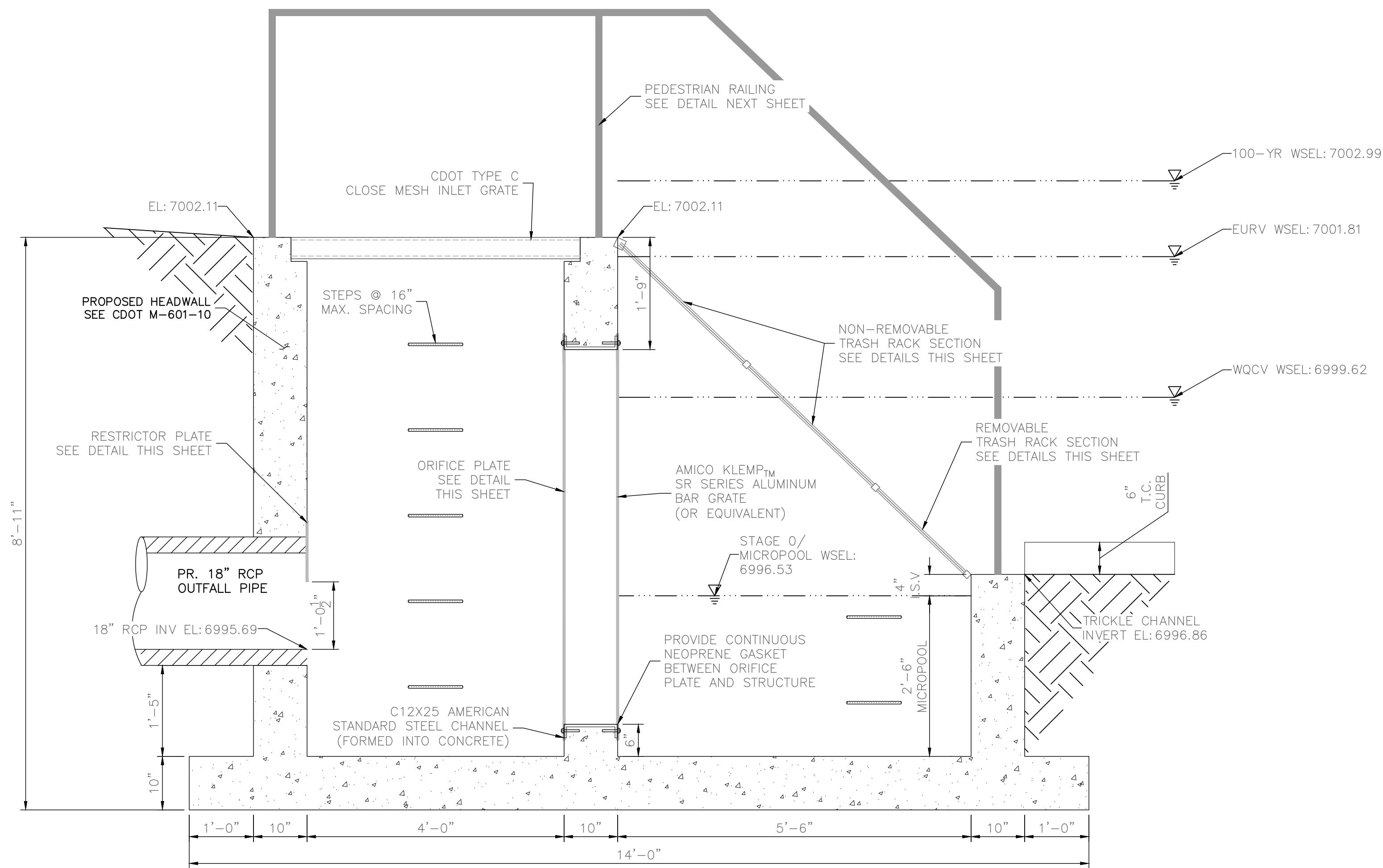
SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE
FOREBAY #2 DETAILS

ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF ALL
TERRAIN ENGINEERING

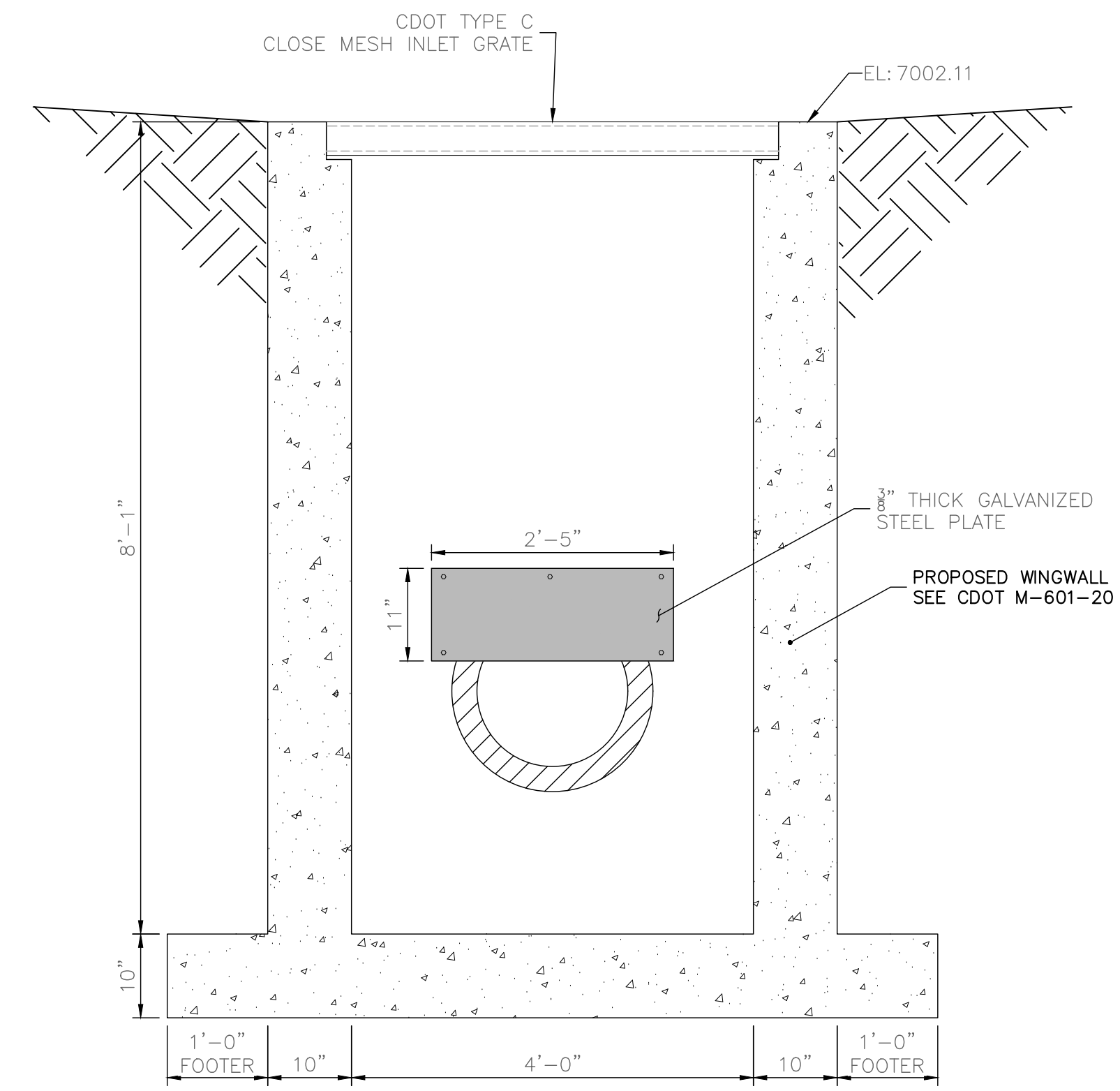
DESIGN: REB
REVIEW: NOJ
DATE: 07/01/2024
H-SCALE: VARIES
V-SCALE: VARIES
SHEET
5 OF 6

RYAN E. BURNS, P.E.
COLORADO P.E. 54412
FOR AND ON BEHALF OF JR ENGINEERING, LLC

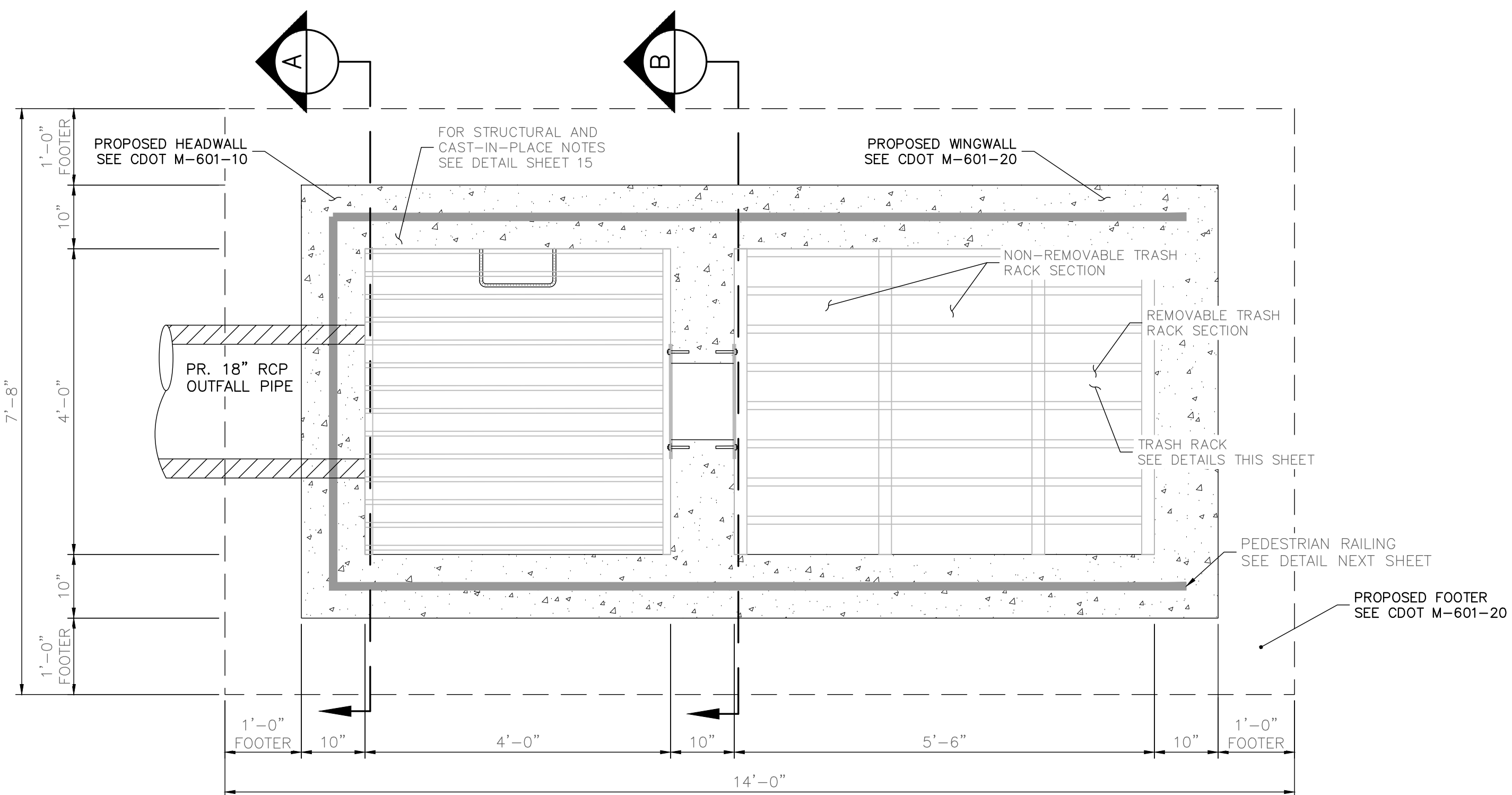
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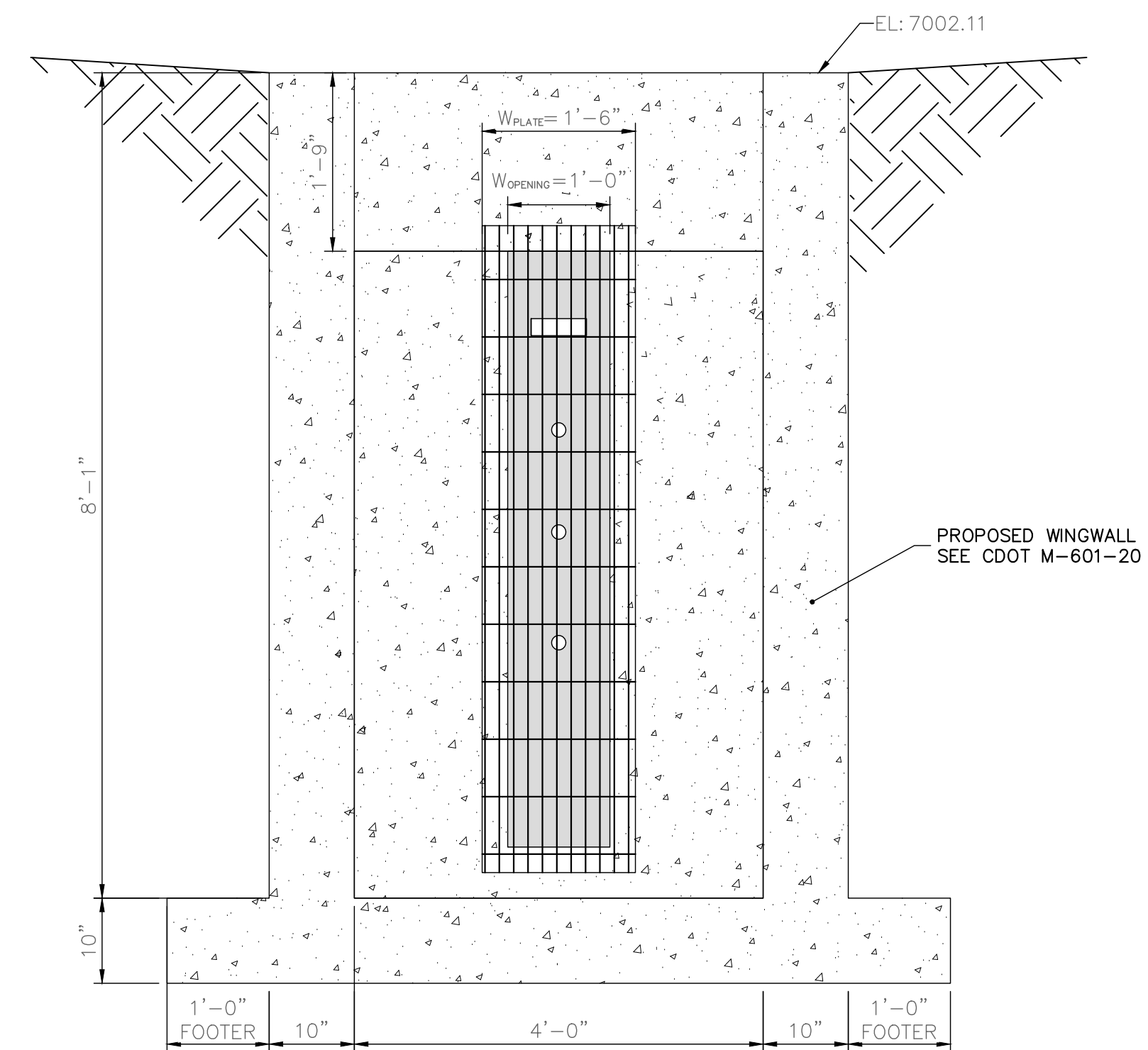
**POND
OUTLET STRUCTURE PROFILE**
SCALE: 3/4"=1'



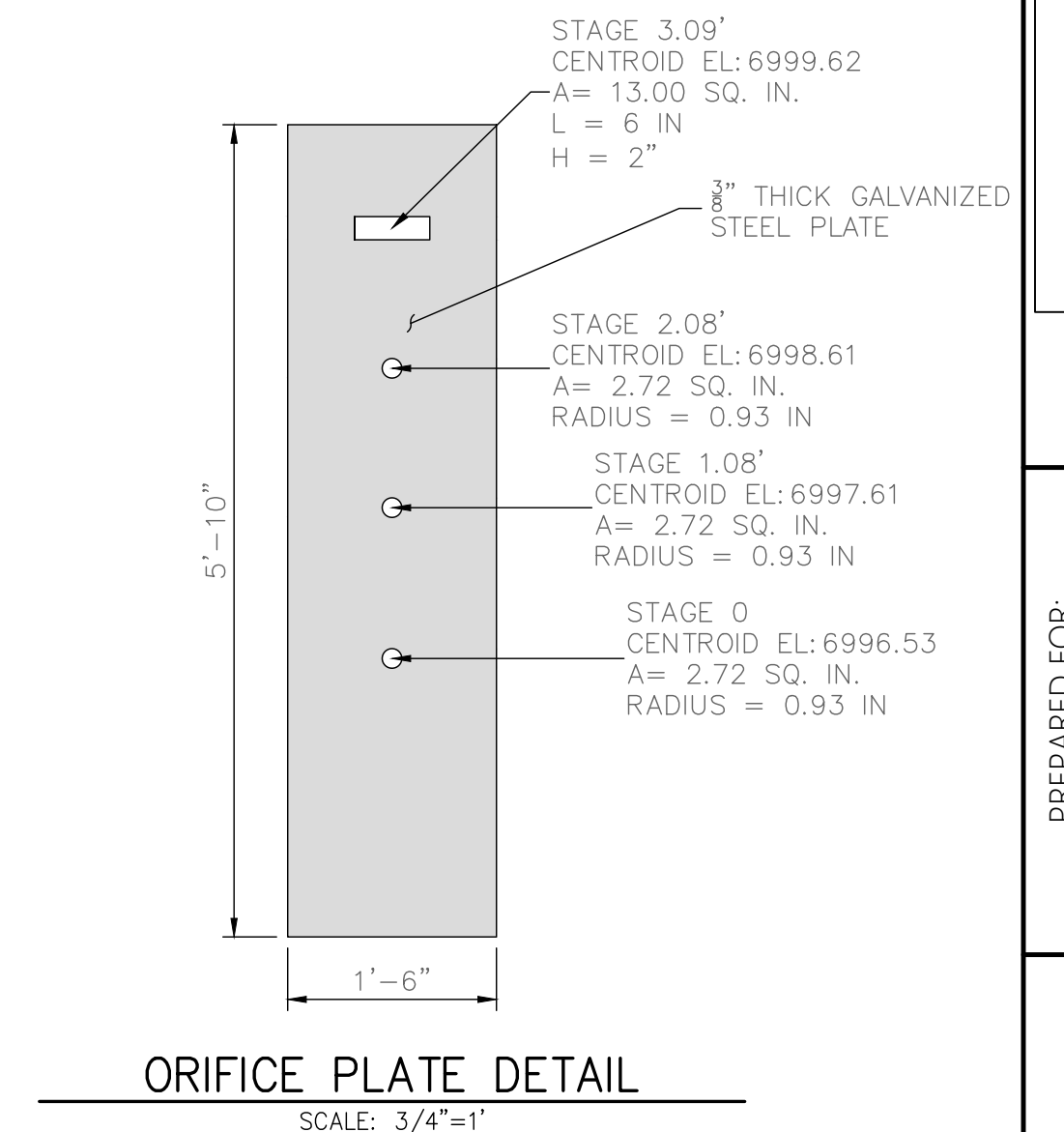
A-A SECTION
SCALE: 3/4"=1'



**POND
OUTLET STRUCTURE PLAN**
SCALE: 3/4"=1'



B-B SECTION
SCALE: 3/4"=1'



ORIFICE PLATE DETAIL
SCALE: 3/4"=1'



RYAN E. BURNS, P.E. 561.917.8660
JIM MORLEY, P.E. 561.917.8660

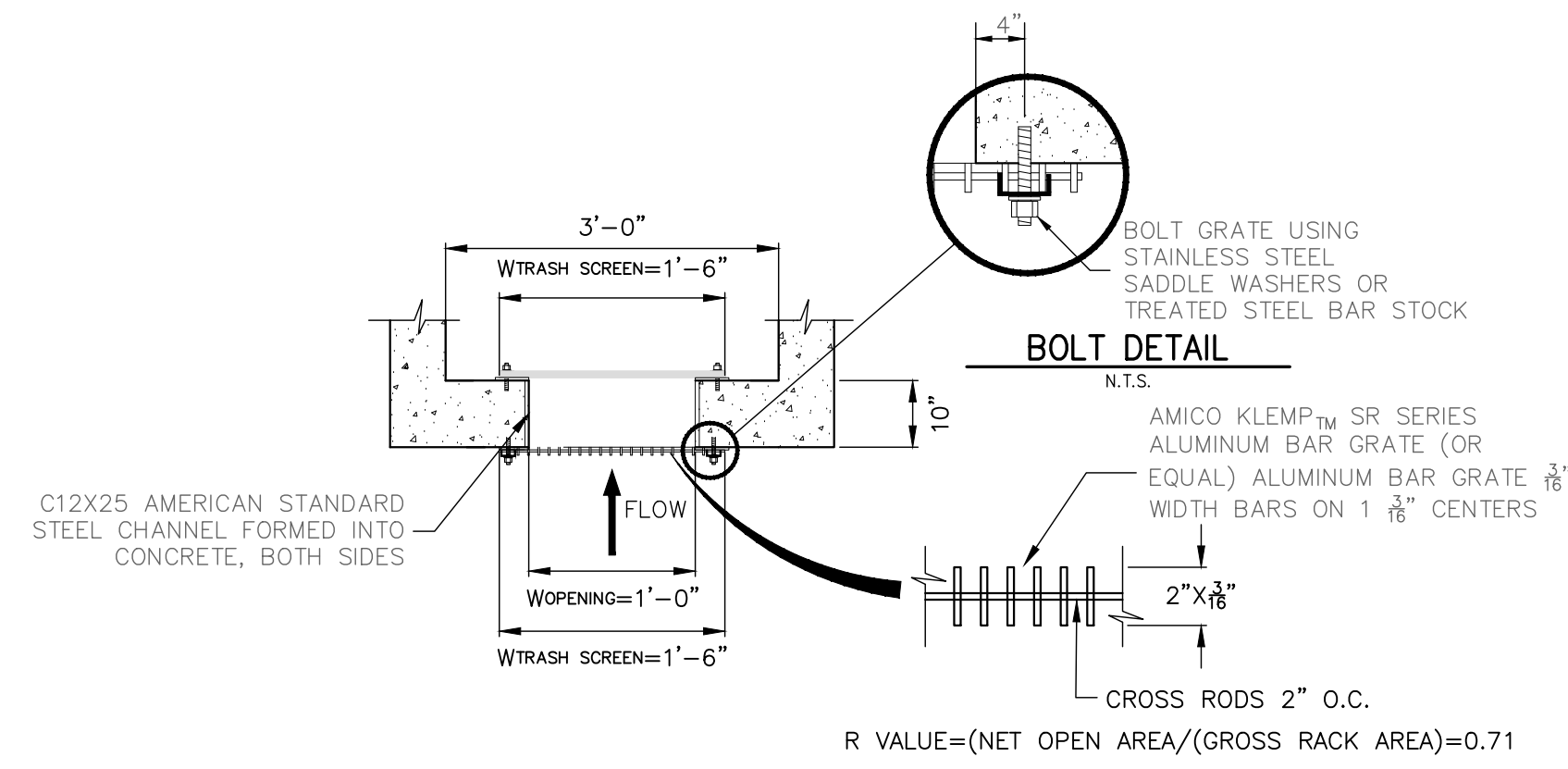
PREPARED FOR:
TURKEY CANON QUARRY LLC
20 BOULDER CRESCENT STREET, SUITE 100
COLORADO SPRINGS, CO 80903
ATTN: JIM MORLEY
(719) 561-9178
JMORLEY3670@AOL.COM

UNTIL SUCH TIME AS THESE
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AUTHORIZATION.

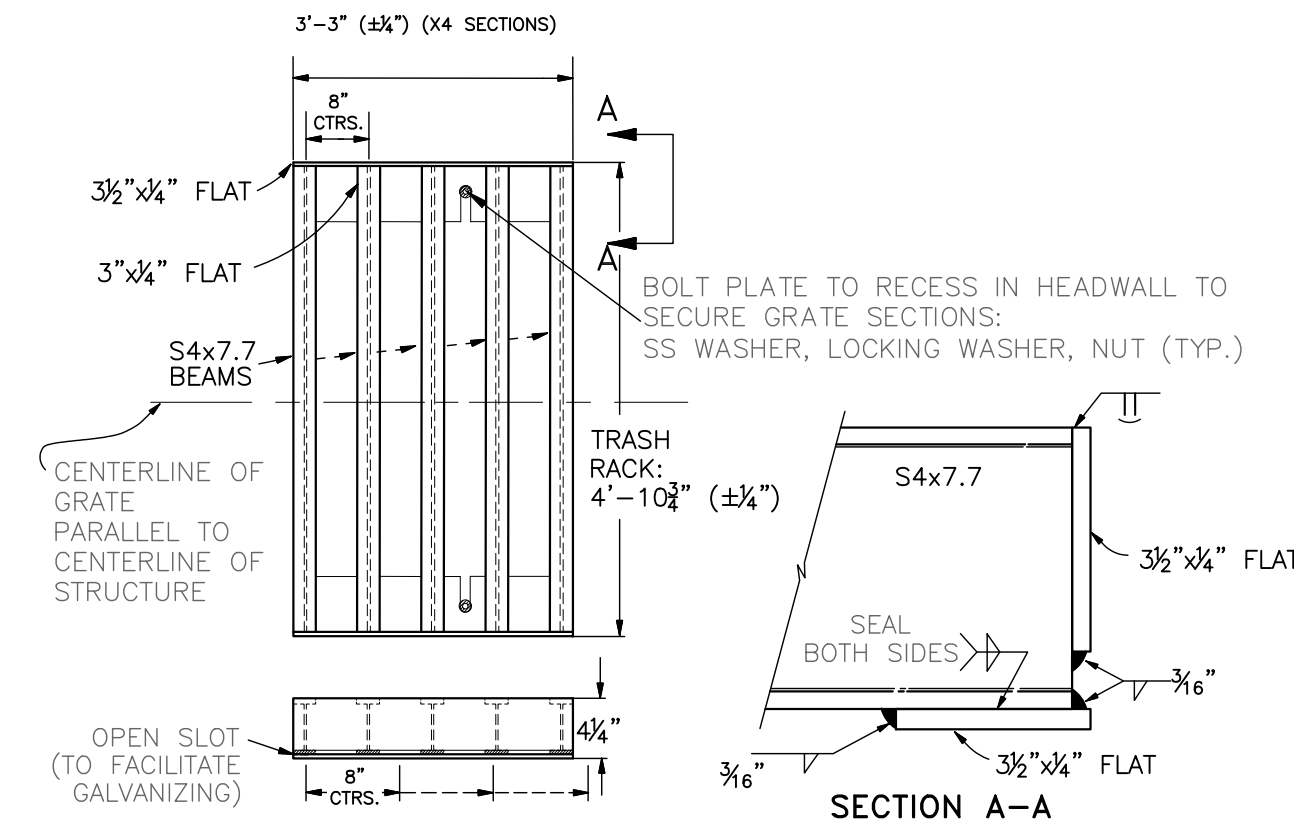
REV	DESCRIPTION	DATE

LOCATION: EPC
JOB NO: 24013
SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE
OUTLET STRUCTURE DETAILS

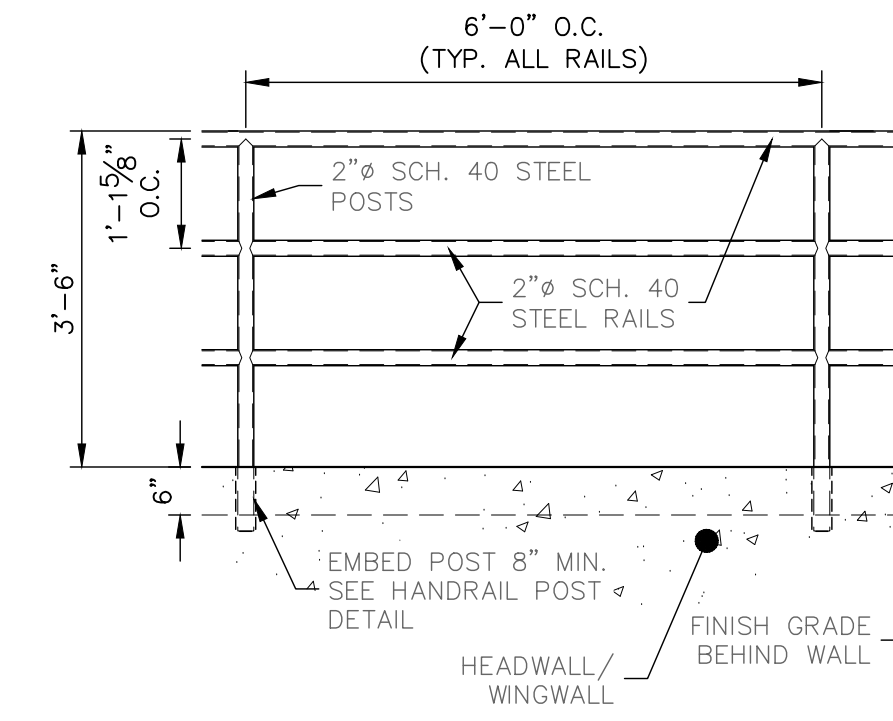
ENGINEER'S STATEMENT	
DESIGN: REB	REVIEW: NOJ
PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF ALL TERRAIN ENGINEERING	DATE: 07/01/2024
H-SCALE: 3/4" = 1'	V-SCALE: 3/4" = 1'
SHEET	
RYAN E. BURNS, P.E. COLORADO P.E. 54412 FOR AND ON BEHALF OF JR ENGINEERING, LLC	DATE



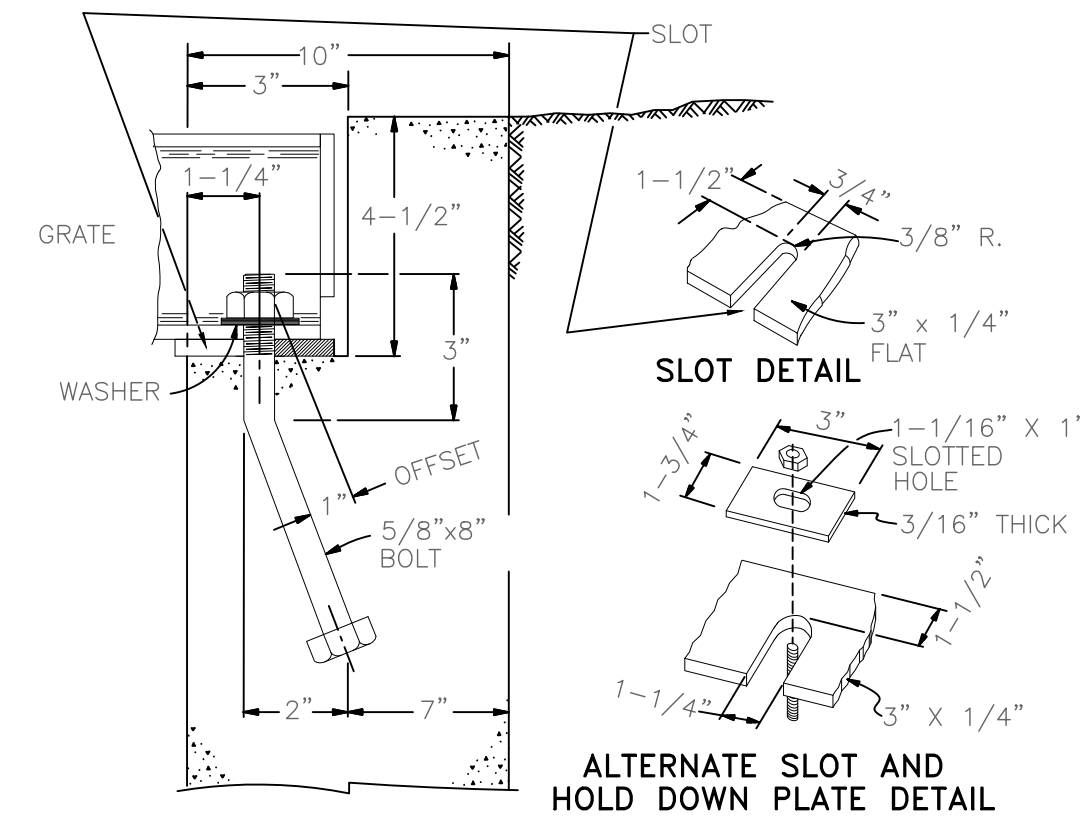
TRASH RACK AND PLATE DETAIL (PLAN)
N.T.S.



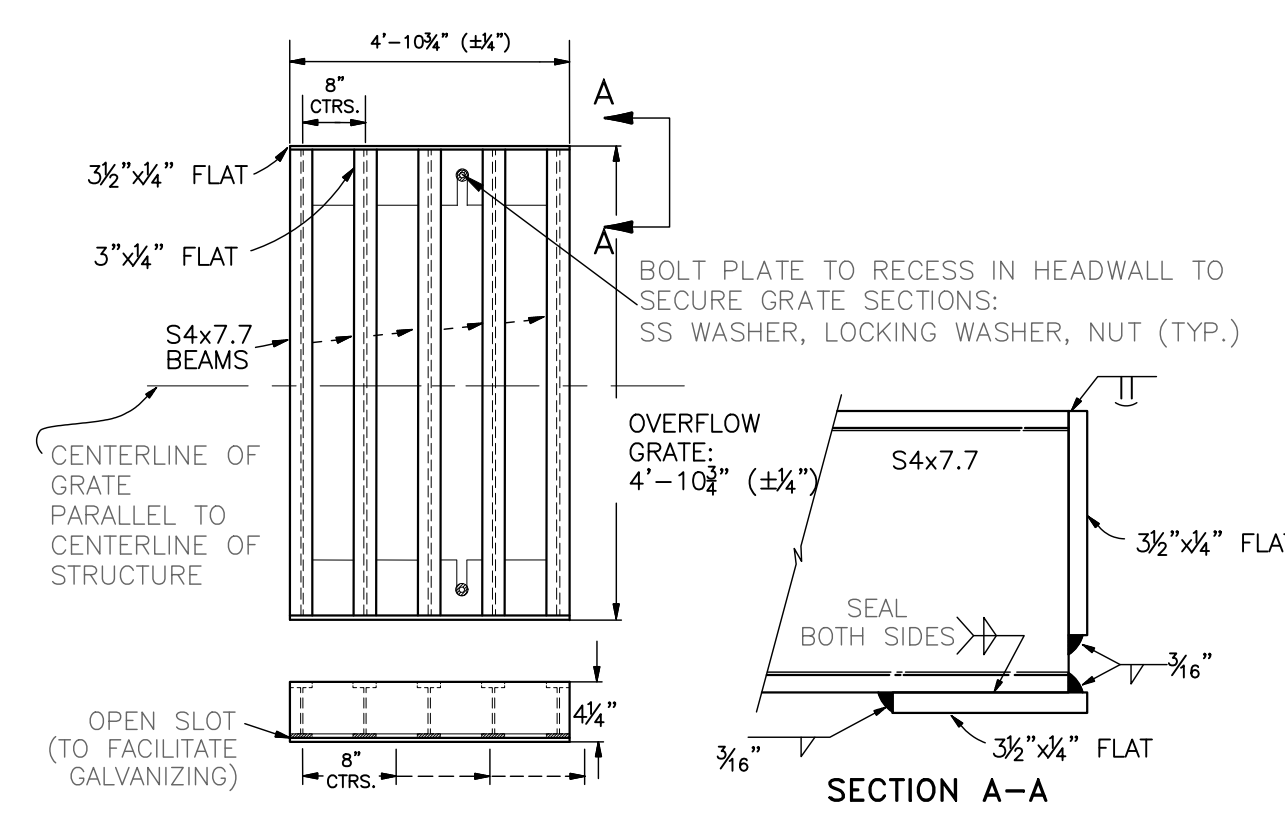
TRASH RACK DETAILS
N.T.S.



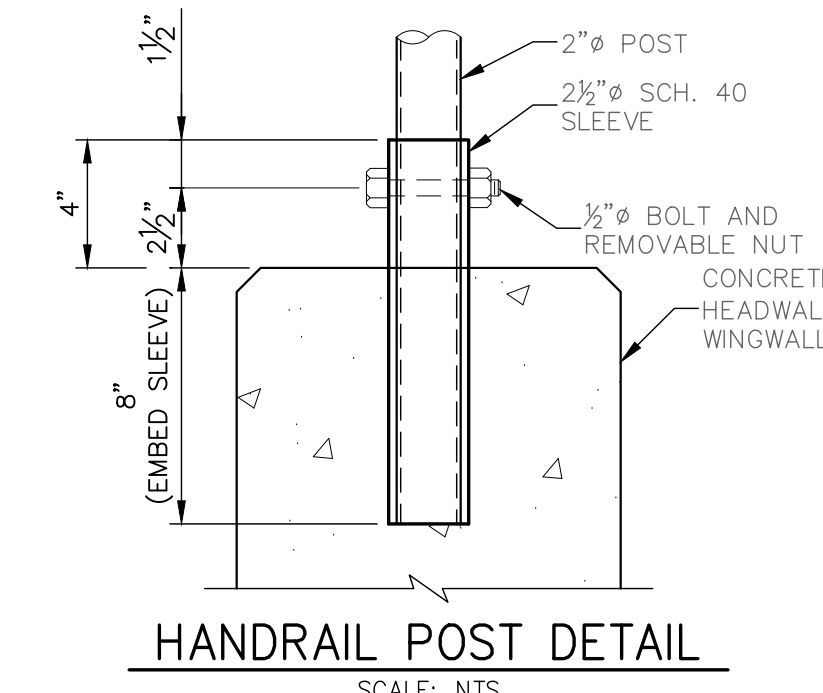
PEDESTRIAN RAILING DETAIL
SCALE: NTS



OVERFLOW GRATE/TRASH RACK INSTALLATION DETAIL
N.T.S.



OVERFLOW GRATE DETAILS
N.T.S.



HANDRAIL POST DETAIL
SCALE: NTS



PREPARED FOR:
TURKEY CANON QUARRY LLC
20 BOULDER CRESCENT STREET, SUITE 100
COLORADO SPRINGS, CO 80903
ATTN: JIM MORLEY
(719) 583-3333
JMORLEY3870@AOL.COM

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JOB NO: 24013 LOCATION: EPC

REV	DESCRIPTION	DATE

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE
OUTLET STRUCTURE DETAILS (CONT.)

ENGINEER'S STATEMENT
DESIGN: REB
REVIEW: NOJ
PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF ALL TERRAIN ENGINEERING
DATE: 07/01/2024
H-SCALE: NTS
V-SCALE: NTS
SHEET
7 OF 6
RYAN E. BURNS, P.E. COLORADO P.E. 54412 FOR AND ON BEHALF OF JR ENGINEERING, LLC
DATE

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE

EL PASO COUNTY, COLORADO

STORM SEWER PLANS

STANDARD NOTES FOR EL PASO COUNTY CONSTRUCTION PLANS:

- ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
- CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:
 - EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
 - CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
 - COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 - CDOT M & S STANDARDS
- NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (PCD) - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
- CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
- ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
- CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
- SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY PCD AND MUTCD CRITERIA. [IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]
- CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DPW, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
- THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.



VICINITY MAP
SCALE: 1"=1000'

SHEET INDEX

- | | | |
|-----|---|----------------------------|
| 1 | - | COVER SHEET |
| 3-6 | - | STORM SEWER PLAN & PROFILE |
| 7 | - | STORM SEWER DETAILS |

AGENCIES

OWNER/DEVELOPER:	TURKEY CANON QUARRY, LLC 20 BOULDER CRESCENT, SUITE 201 COLORADO SPRINGS, CO 80903 JAMES F. MORLEY (719) 471-1742	WATER RESOURCES:	STERLING RANCH METRO DISTRICT ENGINEERS JDS-HYDRO CONSULTANTS 545 E. PIKES PEAK AVE., SUITE 300 COLORADO SPRINGS, CO 80903 JOHN MCGINN (719) 668-8769
CIVIL ENGINEER:	ALL TERRAIN ENGINEERING LLC 1004 WEST VAN BUREN STREET COLORADO SPRINGS, CO 80907 RYAN BURNS P.E.	FIRE DISTRICT:	BLACK FOREST FIRE PROTECTION DISTRICT 11445 TEACHOUT ROAD COLORADO SPRINGS, CO 80908 CHIEF BRYAN JACK (719) 495-4300
COUNTY ENGINEERING:	EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT 2880 INTERNATIONAL CIRCLE, SUITE 110 COLORADO SPRINGS, CO 80910 JEFF RICE, P.E. (719) 520-6300	GAS DEPARTMENT:	COLORADO SPRINGS UTILITIES 7710 DURANT DR. COLORADO SPRINGS, CO 80947 TIM WENDT (719) 668-3556
TRAFFIC ENGINEERING:	EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS 3275 AKERS DRIVE COLORADO SPRINGS, CO 80922 JENNIFER IRVINE, P.E. (719) 520-6460	ELECTRIC DEPARTMENT:	MOUNTAIN VIEW ELECTRIC 11140 E. WOODMEN ROAD FALCON, CO 80831 (719) 495-2283

BASIS OF BEARINGS

THE NORTH LINE OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 5, TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, BEING MONUMENTED AT THE NORTHEAST CORNER OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 5, BY A 3-1/4" ALUMINUM CAP STAMPED "LS 10376" AND AT THE NORTH QUARTER CORNER BY A 3-1/4" ALUMINUM CAP STAMPED "LS 4842 1996", BEARING S89°14'13"W.

BENCHMARKS

- THE TOP OF AN ALUMINUM SURVEYORS CAP, STAMPED "9853", AT THE SOUTHEAST BOUNDARY CORNER OF BARBARICK SUBDIVISION
NORTHING = 411416.273
EASTING = 235167.071
ELEVATION = 7023.42
- THE TOP OF A RED PLASTIC SURVEYORS CAP, ILLEGIBLE, AT THE NORTHWEST BOUNDARY CORNER OF PAWNEE RANCHEROS SUBDIVISION
NORTHING = 410095.404
EASTING = 235052.131
ELEVATION = 7000.40
- THE TOP OF A RED PLASTIC SURVEYORS CAP, STAMPED "38141", AT THE SOUTHWEST BOUNDARY CORNER OF BARBARICK SUBDIVISION
NORTHING = 411399.962
EASTING = 233849.817
ELEVATION = 7030.82

OWNER/DEVELOPER STATEMENT

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN.

JIM MORLEY _____ DATE _____

TURKEY CANON QUARRY LLC
20 BOULDER CRESCENT, SUITE 200
COLORADO SPRINGS, CO 80903

DISTRICT APPROVALS

THESE DOCUMENTS HAVE BEEN REVIEWED AND APPROVED FOR STORM DRAIN AND ASSOCIATED UTILITY SERVICE CONSTRUCTION.

FOR AND ON BEHALF OF THE STERLING RANCH METRO DISTRICT _____ DATE _____

EL PASO COUNTY STATEMENT

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

JOSHUA PALMER, P.E. _____ DATE _____

COUNTY ENGINEER/ECM ADMINISTRATOR

ENGINEER'S STATEMENT

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECT SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLAN AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

RYAN E. BURNS, P.E. _____ DATE _____
COLORADO P.E. 54412
FOR AND ON BEHALF OF JR ENGINEERING, LLC



Know what's below.
Call before you dig.



PREPARED FOR:
TURKEY CANON QUARRY INC.
20 BOULDER CRESCENT, SUITE 201
COLORADO SPRINGS, CO 80903
ATTN: JIM MORLEY
(719) 491-3024
JMORLEY3870@AOL.COM

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REV	DESCRIPTION	DATE

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE
COVER

DESIGN: REB
REVIEW: NOJ
DATE: 07/01/2024

H-SCALE: 1"=1000'
V-SCALE: N/A

SHEET
1 OF 8

ALL TERRAIN ENGINEERING
 1004 WEST VAN BUREN STREET
 COLORADO SPRINGS, CO 80907
 (719) 491-3024
 WWW.ALLTERRAINENGINEERING.COM

PLANOMETRICS

	EXISTING	PROPOSED
SECTION LINE	---	---
RIGHT-OF-WAY	---	---
PARCEL LINE	---	---
EASEMENT LINE	---	---
BOUNDARY LINE	---	---
CENTER LINE	---	---

CONSTRUCTION

	EXISTING	PROPOSED
C&G	---	---
EDGE OF ASPHALT	---	---
CONCRETE	---	---
SIDE WALK	---	---
CROSS PAN	---	---
PARKING LOT STRIPING	---	---
ROADWAY STRIPING - DHASED	---	---
ROADWAY STRIPING - DOTTED	---	---
GUARDRAIL	---	---
FENCE	---	---
SOUNDWALL	---	---
DEMO	---	---
GRAVEL	---	---
RIPRAP	---	---
DIRT	---	---
TRAIL/PATH	---	---
RAIL LINE	---	---

GRADING

	EXISTING	PROPOSED
CONTOUR INTERMEDIATE	---	---
CONTOUR INDEX	---	---
TOP OF SLOPE	---	---
TOE OF SLOPE	---	---
CUT/FILL BOUNDARY	---	---
LIMITS OF GRADING	---	---
LIMITS OF DISTURBANCE	---	---

UTILITIES

	EXISTING	PROPOSED
SANITARY SEWER	SS	SS
SANITARY SEWER SERVICE	SS-S	SS-S
POTABLE WATER MAIN	W	W
POTABLE WATER SERVICE	W-S	W-S
RAW WATER MAIN	RAW	RAW
IRRIGATION MAIN	IR	IR
SANITARY FORCE MAIN	FM	FM
UNDER-DRAIN	UD	UD
GAS PIPE	G	G
HIGH PRESSURE GAS	HPG	HPG
OIL/PETROLEUM LINE	O	O
UNDER-GROUND ELECTRIC	UGE	UGE
OVER-HEAD ELECTRIC	OHU	OHU
FIBER OPTIC	FO	FO
COMMUNICATION LINES MISC.	COM	COM
STORM PIPE	STP	STP
HGL MINOR		
HGL MAJOR		

DRAINAGE

	EXISTING	PROPOSED
BASE FLOOD ELEVATION	---	---
100-YR FLOOD PLAIN	---	---
500-YR FLOOD PLAIN	---	---
FLOODWAY	---	---
SWALE/DITCH	---	---
THALWEG (STREAM/CREEK)	---	---
LIMITS OF WETLANDS	---	---
EDGE OF WATER	---	---
SILT FENCE	---	---
CONSTRUCTION FENCE/MARKERS	---	---

UTILITY SYMBOLS

	EXISTING	PROPOSED
STORM SEWER	⊙	●
MANHOLE	⊖	⊙
STORM INLET	□	⊕
AREA INLET - SQUARE	□	■
AREA INLET - ROUND	○	●
FLARED END SECTION	▷	▷

TRAFFIC

	EXISTING	PROPOSED
TRAFFIC SIGNAL BOX	⊡	⊡
TRAFFIC SIGNAL POLE	⊞	⊞
SIGN	⊞	⊞
STREET LIGHT	⊛	⊛
STREET LIGHT - SINGLE	⊛	⊛
STREET LIGHT - DOUBLE	⊛	⊛
LUMINAIRE	⊞	⊞

LANDSCAPE

	EXISTING	PROPOSED
TREE - CONIFEROUS	⊙	⊙
TREE - DECIDUOUS	⊙	⊙
SHRUB/BUSH	⊙	⊙
SHRUBS AND BUSHES	⊙	⊙
IRRIGATION BOX	⊙	⊙
IRRIGATION SPRINKLER	⊙	⊙
IRRIGATION VALVE	⊙	⊙
BOLLARD	⊙	⊙
FLAGPOLE	⊙	⊙

UTILITY SYMBOLS

	EXISTING	PROPOSED
LINE MARKER	Mkr S ^o	△
SERVICE MARKER	△	△
CLEAN-OUT	○	⊞
MANHOLE	⊙	●

WATER

	EXISTING	PROPOSED
LINE MARKER	Mkr W ^o	△
SERVICE MARKER	△	△
FIRE HYDRANT	⊙	⊙
FIRE CONNECTION	⊙	⊙
MANHOLE	⊙	●
BEND	⊙	⊙
BLOW-OFF VALVE	⊙	⊙
WELL	⊙	⊙
METER	⊙	⊙
VALVE	⊙	⊙
REDUCER	⊙	⊙
THRUST BLOCK	⊙	⊙
CROSS	⊙	⊙
PLUG W/ THRUST BLOCK	⊙	⊙
TEE	⊙	⊙
REVERSE ANCHOR	⊙	⊙
ANODE	⊙	⊙
AIR & VACUUM VALVE ASSEMBLY	⊙	⊙

GAS

	EXISTING	PROPOSED
MARKER	Mkr G ^o	△
SERVICE MARKER	△	△
METER	⊙	⊙

DRY UTILITIES

	EXISTING	PROPOSED
CABLE TV MARKER	Mkr TV ^o	△
CABLE TELEVISION PEDESTAL	⊙	⊙
ELECTRIC MARKER	Mkr E ^o	△
ELECTRIC SERVICE MARKER	△	△
ELECTRICAL PEDESTAL	⊙	⊙
ELECTRICAL METER	⊙	⊙
ELECTRICAL MANHOLE	⊙	⊙
FIBER-OPTIC MARKER	Mkr FO ^o	△
IRRIGATION PEDESTAL	⊙	⊙
TELEPHONE MARKER	Mkr T ^o	△
TELEPHONE PEDESTAL	⊙	⊙
TELEPHONE MANHOLE	⊙	⊙
UTILITY POLE	⊙	⊙
GUY ANCHOR	⊙	⊙
GUY POLE	⊙	⊙

MISC. UTILITIES

	EXISTING	PROPOSED
VENT PIPE	⊙	⊙
TEST HOLE DESIGNATOR	⊙	⊙

ABBREVIATIONS:

ASCE - AMERICAN SOCIETY OF CIVIL ENGINEERS	OH - OVERHEAD
BLDG - BUILDING	PB - PUBLIC
BW - BOTTOM OF WALL	PC - POINT OF CURVATURE
CG - CURB AND GUTTER	PCC - POINT OF COMPOUND CURVATURE
CIP - CAST IRON PIPE	PCR - POINT OF CURB RETURN
CL - CENTERLINE	PR - PROPOSED
CMP - CORRUGATED METAL PIPE	PRC - POINT OF REVERSE CURVATURE
CONC - CONCRETE	PVC - POLYVINYL CHLORIDE PIPE
DIP - DUCTILE IRON PIPE	PVT - PRIVATE
DS - DOWNSPOUT	PT - POINT OF TANGENCY
EL - ELEVATION	P.U.E - PUBLIC UTILITY EASEMENT
ESMT - EASEMENT	P.U.A.E - PUBLIC UTILITY & ACCESS EASEMENT
EX - EXISTING	P.U.D.E - PUBLIC UTILITY & DRAINAGE EASEMENT
FES - FLARED END SECTION	P.I.E - PUBLIC IMPROVEMENT EASEMENT
FL - FLOWLINE	R - RADIUS
GB - GRADE BREAK	RIM - RIM ELEVATION
HP - HIGH POINT	STM - STORM
HYD - HYDRANT	TBC - TOP BACK OF CURB
INV - INVERT ELEVATION	TW - TOP OF WALL
LF - LINEAR FEET	TYP - TYPICAL
LP - LOW POINT	UD - UNDERDRAIN
MH - MANHOLE	UT - UTILITY
MIN - MINIMUM	WTR - WATER
	XPAN - CROSSSPAN



PREPARED FOR:
TURKEY CANON QUARRY INC.
20 BOULDER CREST STREET, SUITE 100
COLORADO SPRINGS, CO 80903
ATTN: JIM MORLEY
(719) 491-3024
JMORLEY3670@AOL.COM

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ENGINEERING APPROVES THEIR
USE ONLY FOR THE PURPOSES
DESIGNATED BY WRITTEN
AUTHORIZATION.

DATE	DESCRIPTION	BY

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE

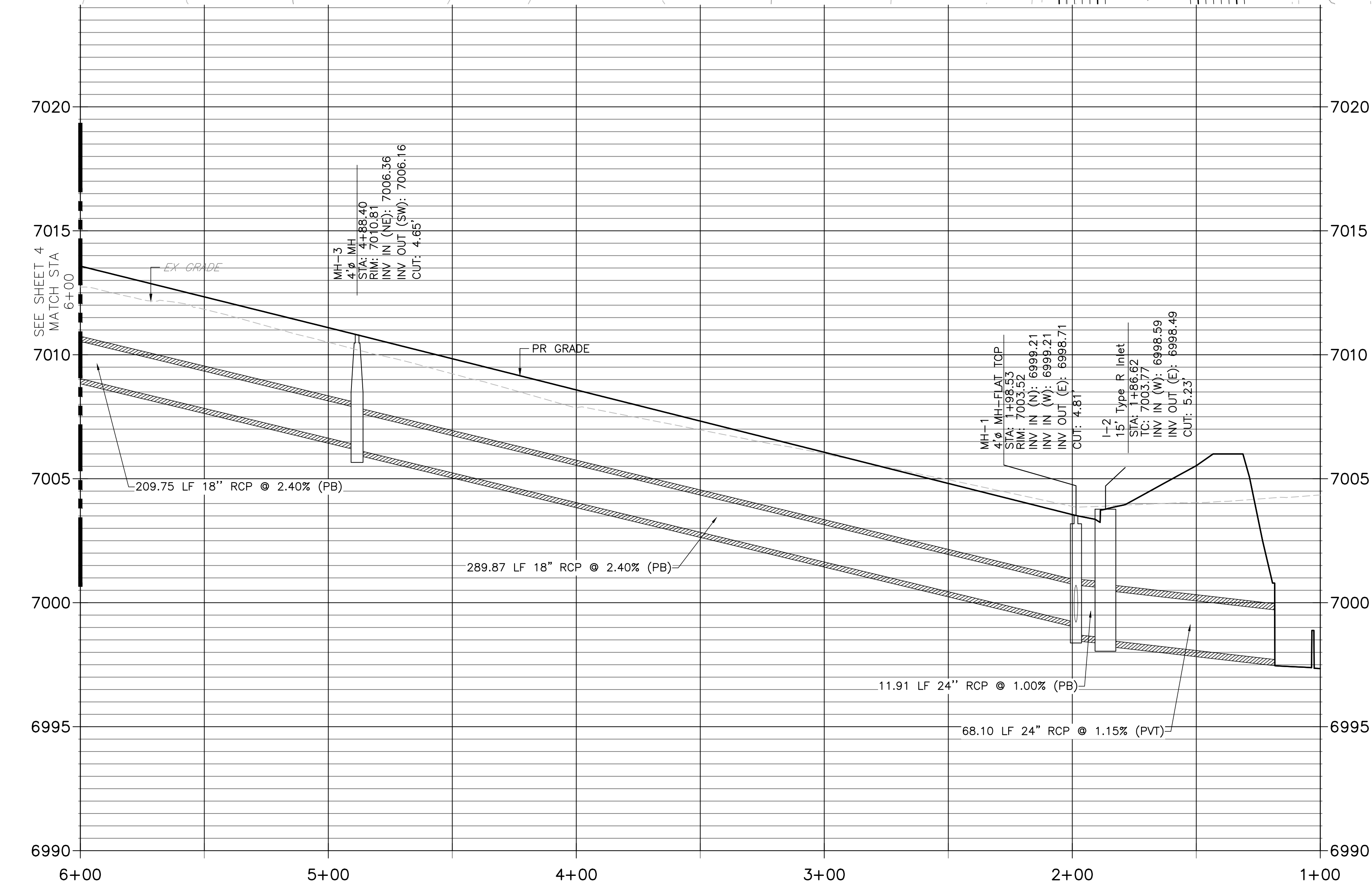
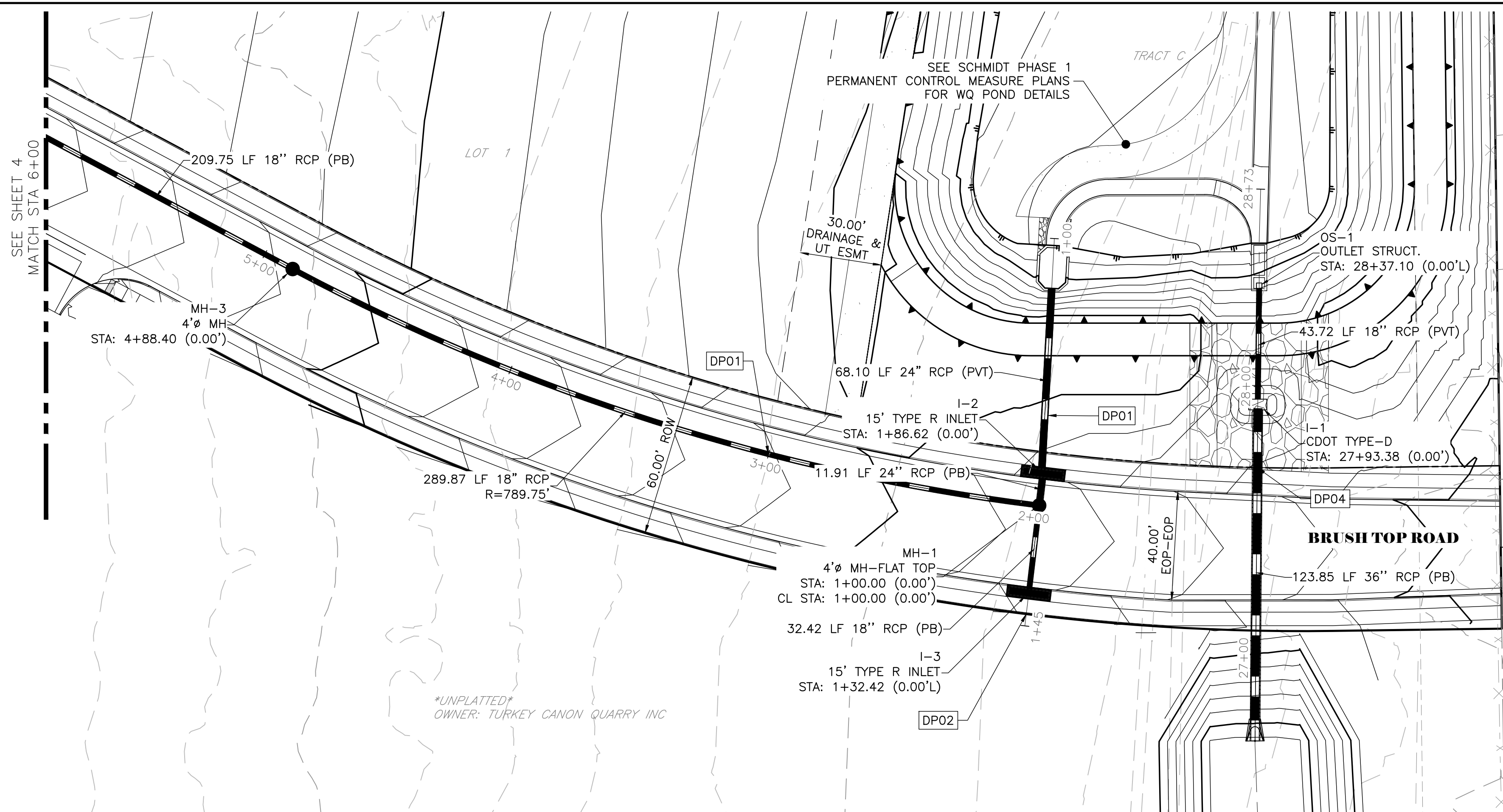
LEGEND



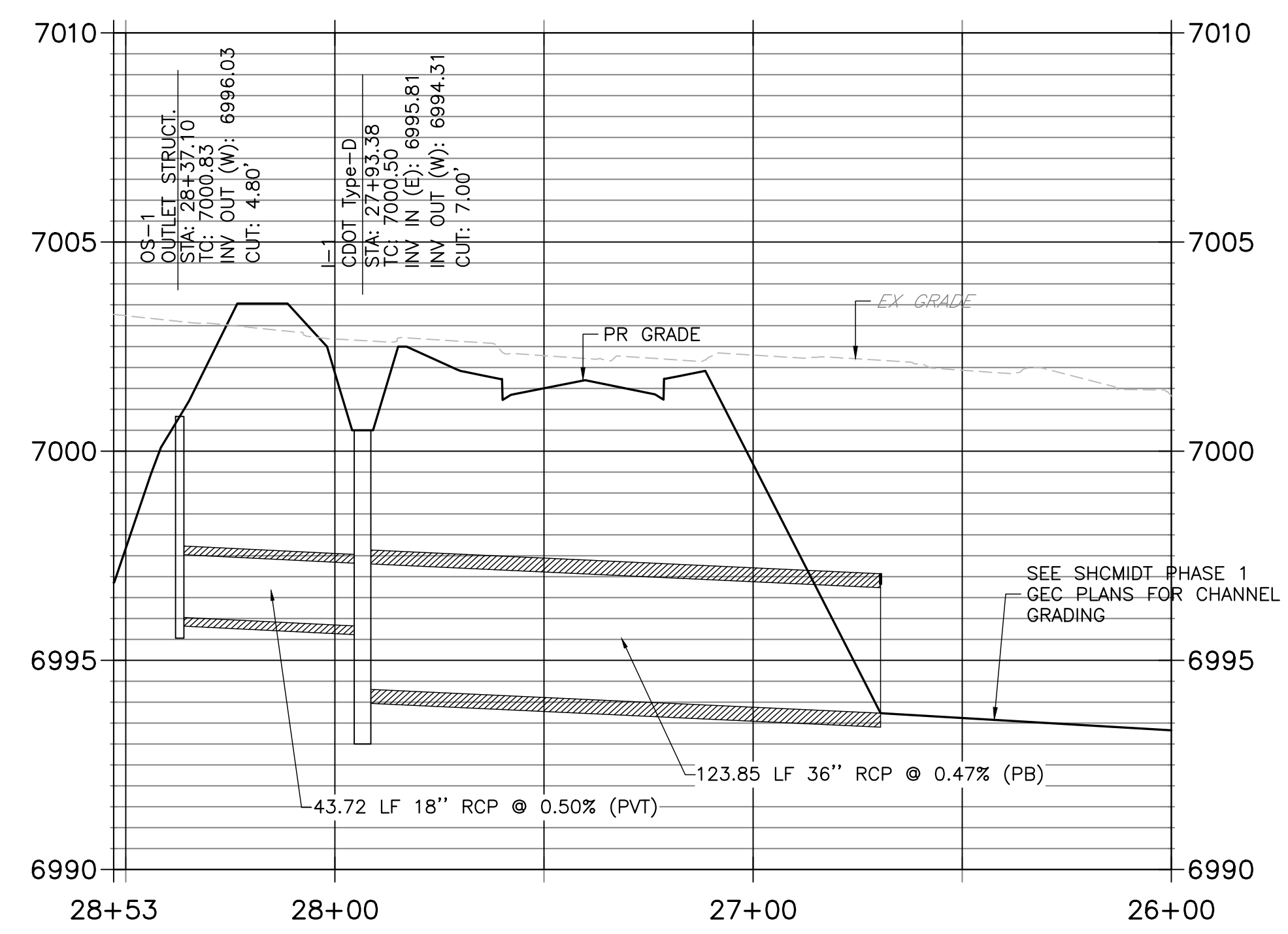
Know what's below.
Call before you dig.

DESIGN: REB
REVIEW: NJJ
DATE: 07/01/2024
H-SCALE: N/A
V-SCALE: N/A
SHEET
2 OF 8

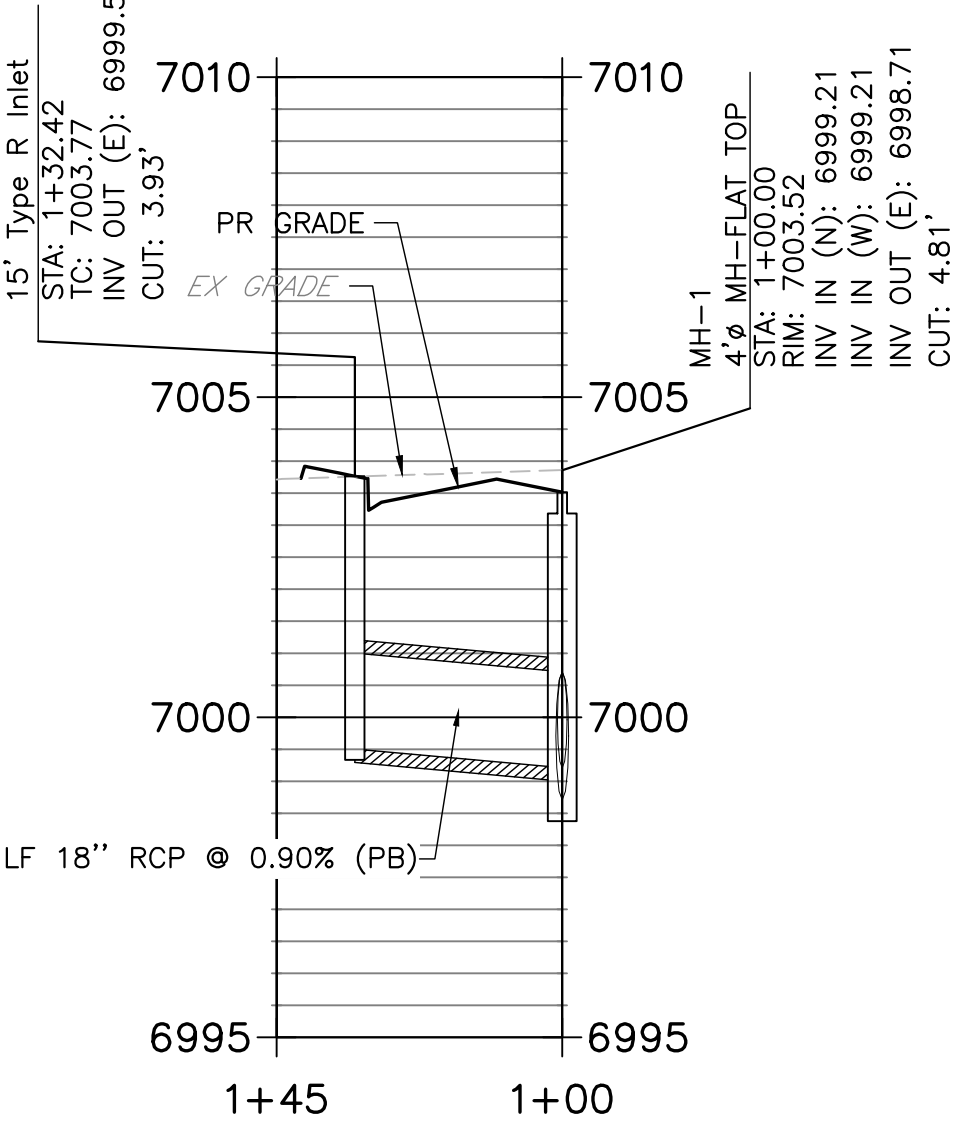
THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.



DP04
STA 26+00.00 TO 28+52.89



DP02
STA 1+00.00 TO 1+44.62



Know what's below.
Call before you dig.



ENGINEER'S STATEMENT
THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECT SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLAN AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

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RYAN E. BURNS, P.E.
COLORADO P.E. 54412
FOR AND ON BEHALF OF JR ENGINEERING, LLC



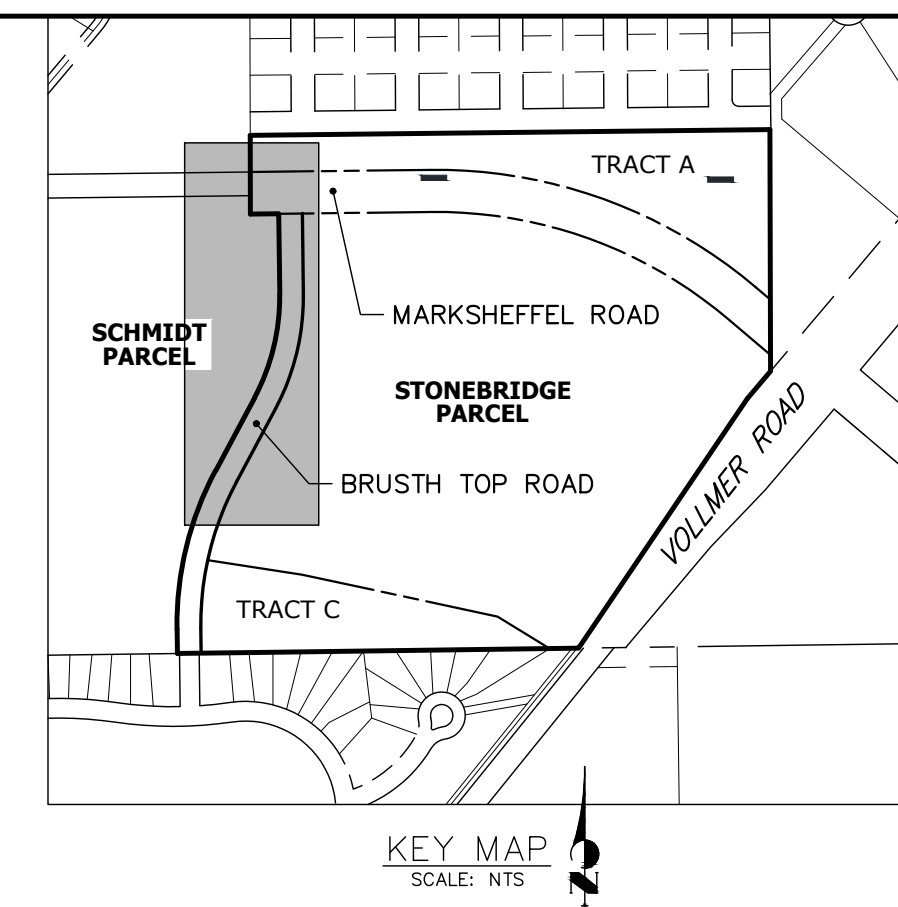
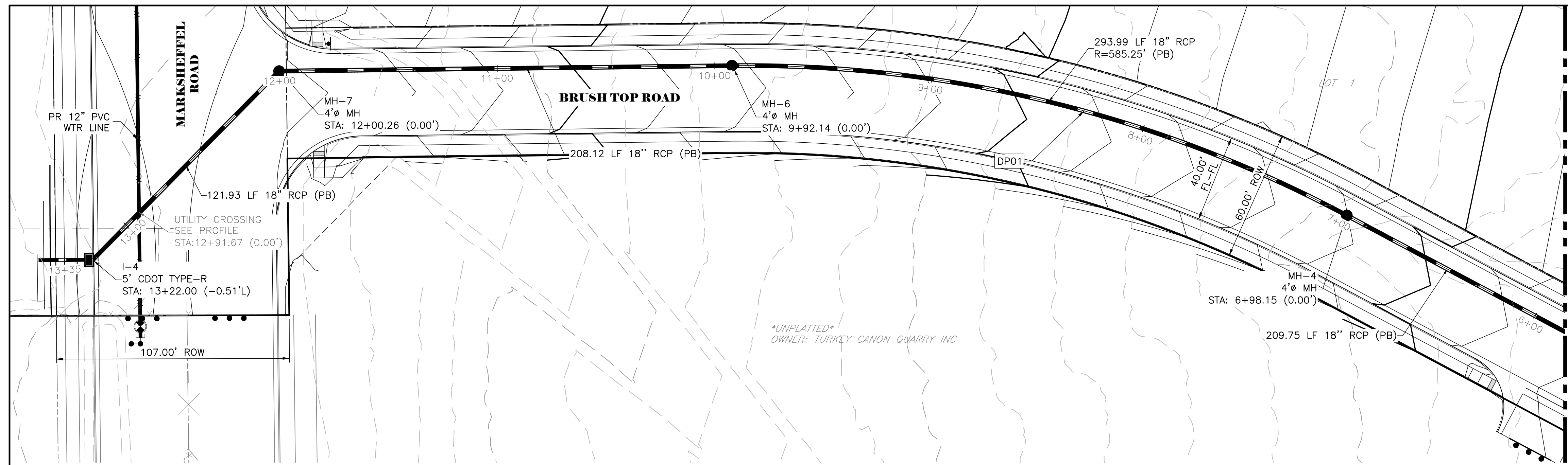
PREPARED FOR:
TURKEY CANON QUARRY INC.
20 BOULDER CRESCENT STREET, SUITE 100
COLORADO SPRINGS, CO 80903
ATTN: JIM MORLEY
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JMORLEY387@AOL.COM

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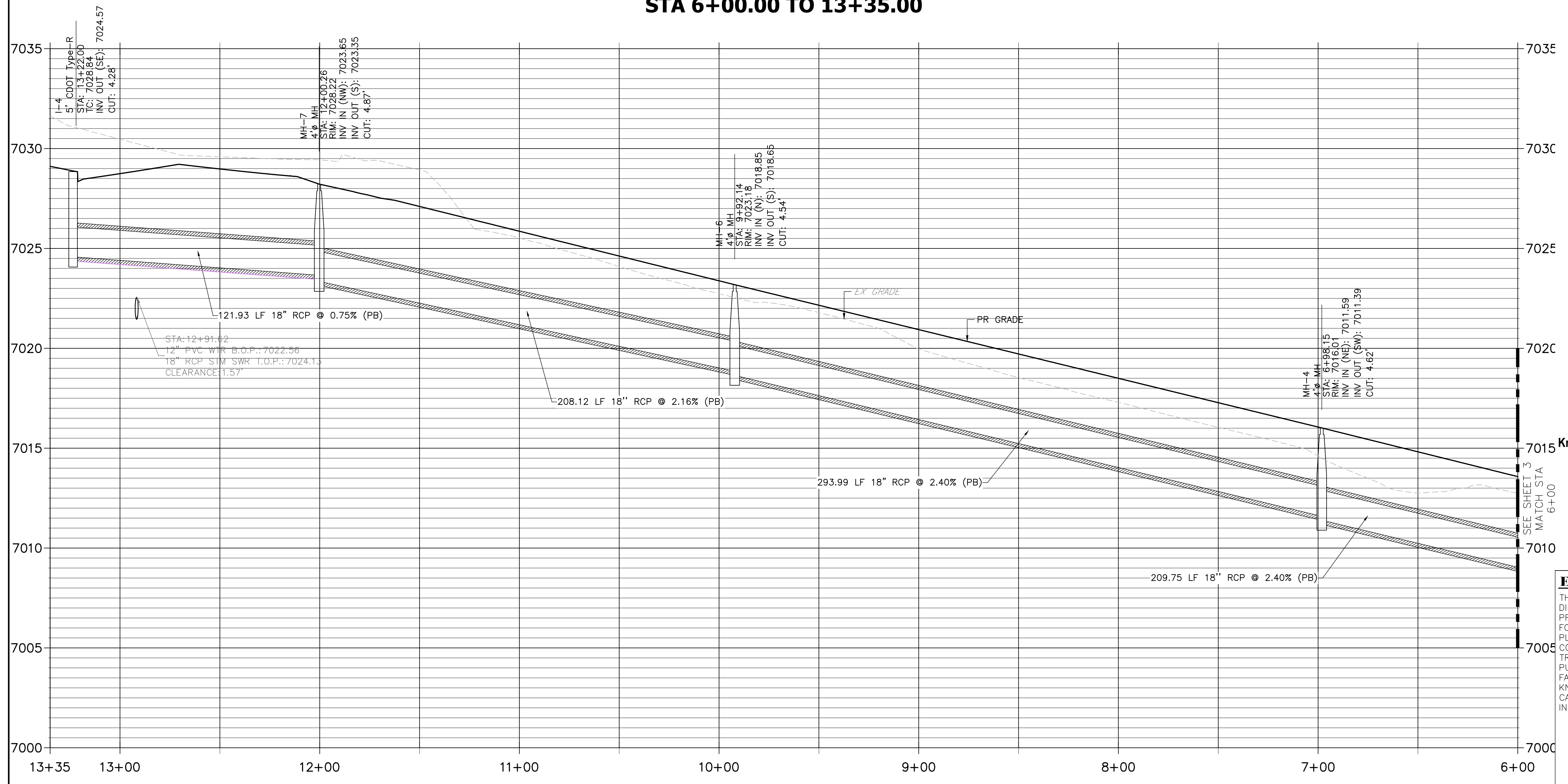
DATE	DESCRIPTION

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE
STORM SEWER PLAN & PROFILE

DESIGN: REB
REVIEW: NOJ
DATE: 07/01/2024
H-SCALE: 1" = 30'
V-SCALE: 1" = 3'
SHEET
3 OF 8



**DP01 (CONT.)
STA 6+00.00 TO 13+35.00**



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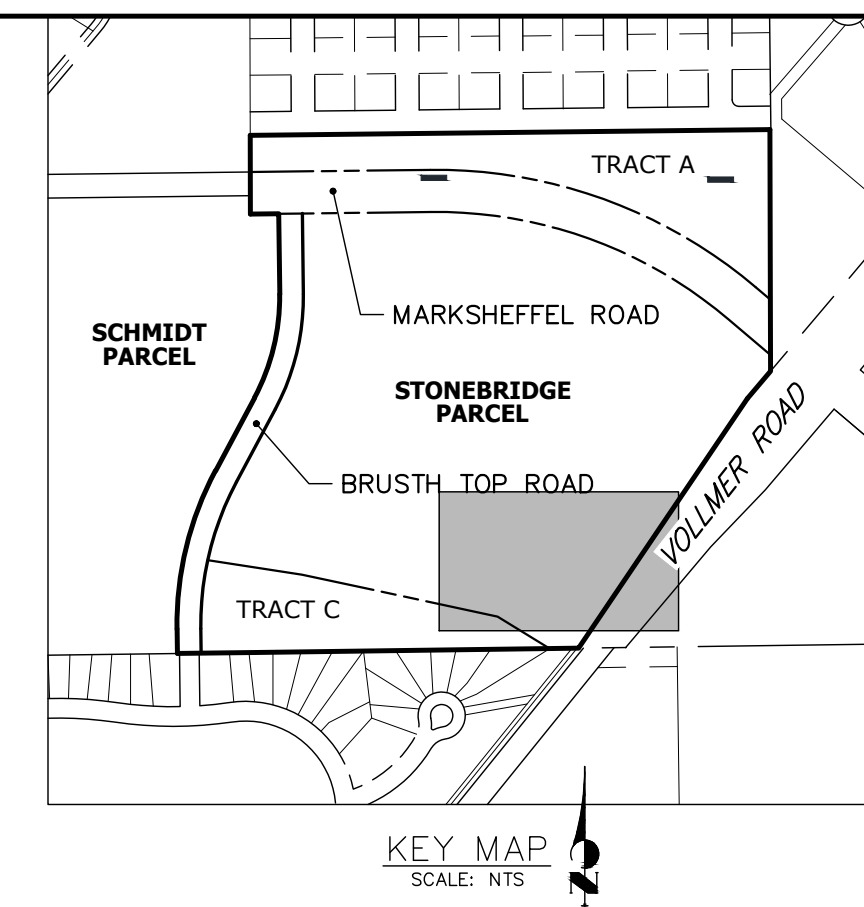
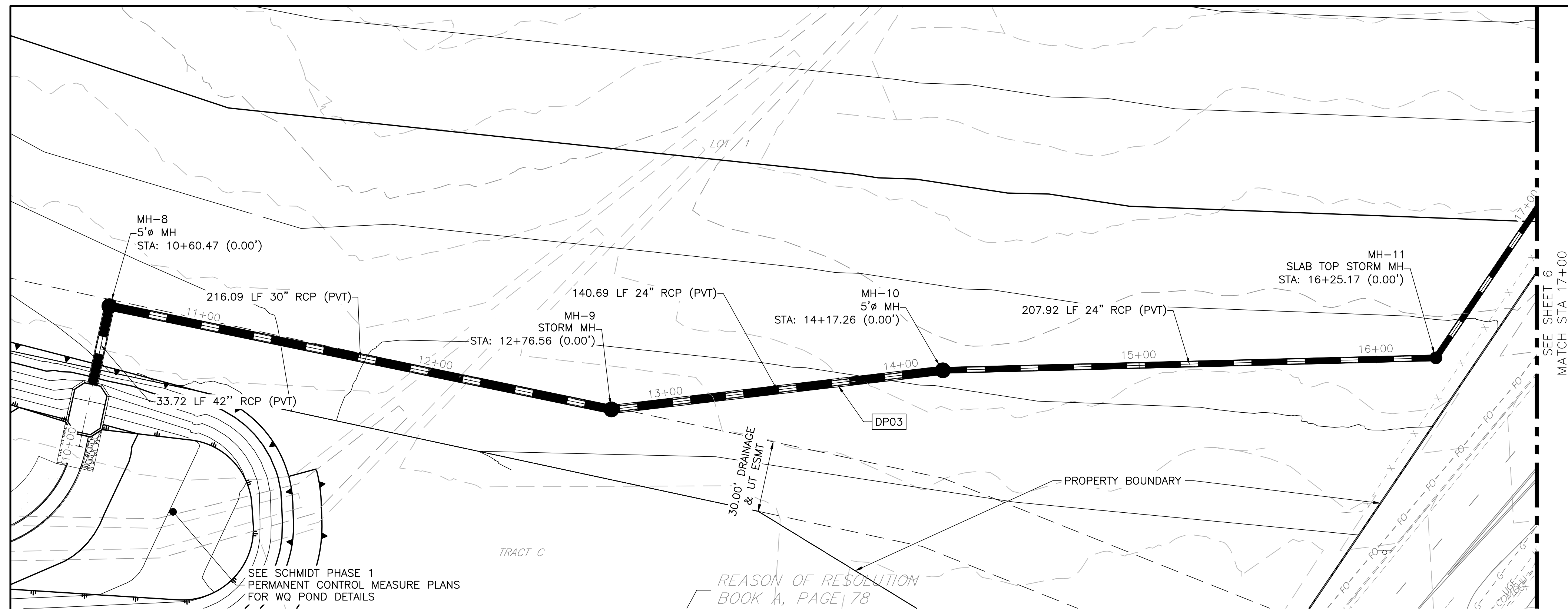
REV	DESCRIPTION	DATE

JOB NO: 24013 LOCATION: EPC

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE

STORM SEWER PLAN & PROFILE

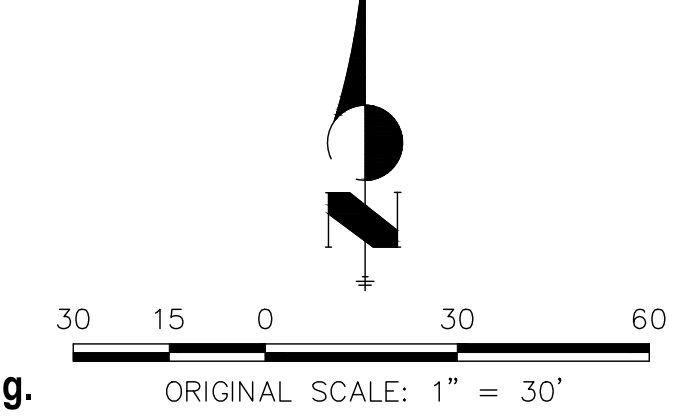
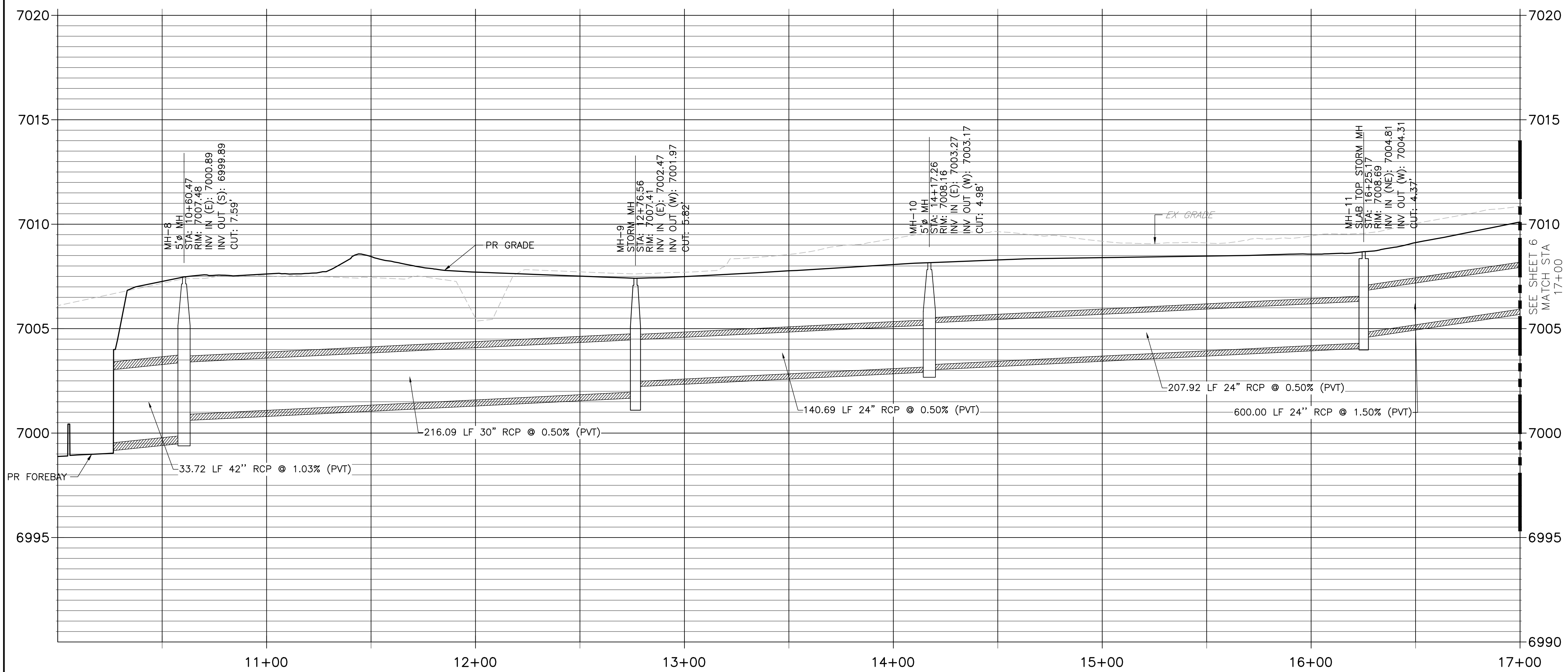
DESIGN: REB
REVIEW: NOJ
DATE: 07/01/2024
H-SCALE: 1" = 30'
V-SCALE: 1" = 3'
SHEET
4 OF 8



PREPARED FOR:
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**DP03
 STA 10+00.00 TO 17+00.00**



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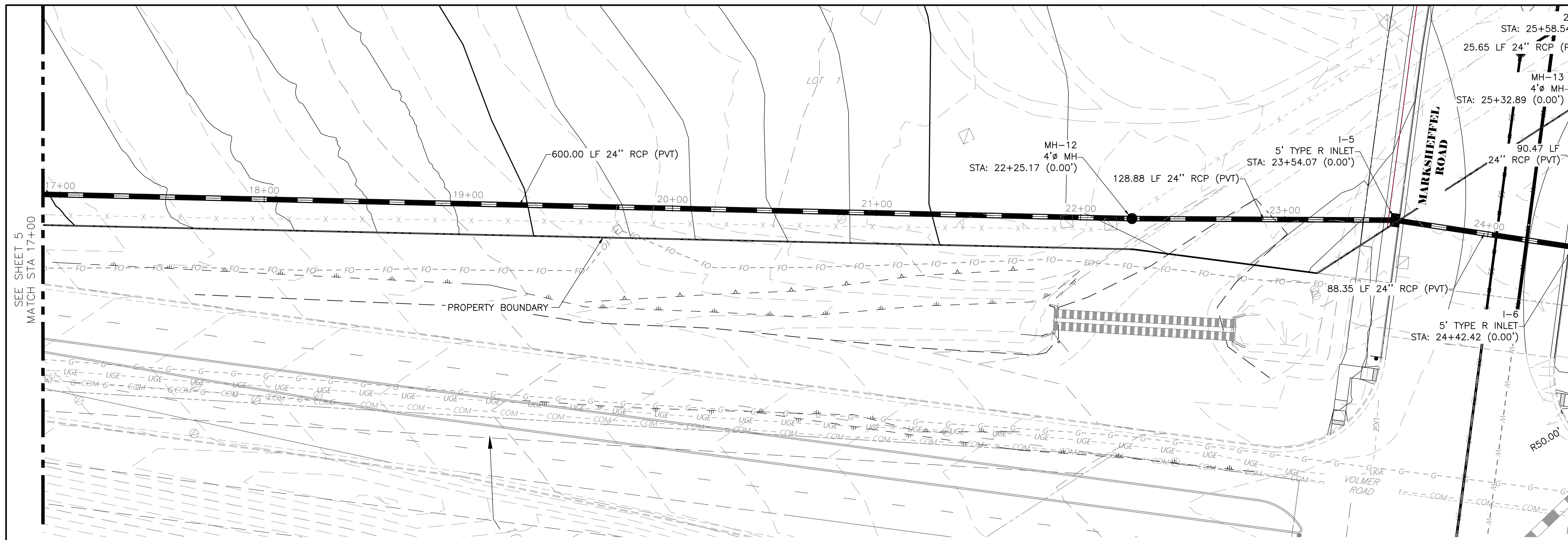
RYAN E. BURNS, P.E.
 COLORADO P.E. 54412
 FOR AND ON BEHALF OF JR ENGINEERING, LLC

DATE

REV	DESCRIPTION	DATE

JOB NO: 24013 LOCATION: EPC
 SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE
 STORM SEWER PLAN & PROFILE

DESIGN: REB
 REVIEW: NOJ
 DATE: 07/01/2024
 H-SCALE: 1" = 30'
 V-SCALE: 1" = 3'
 SHEET
 5 OF 8



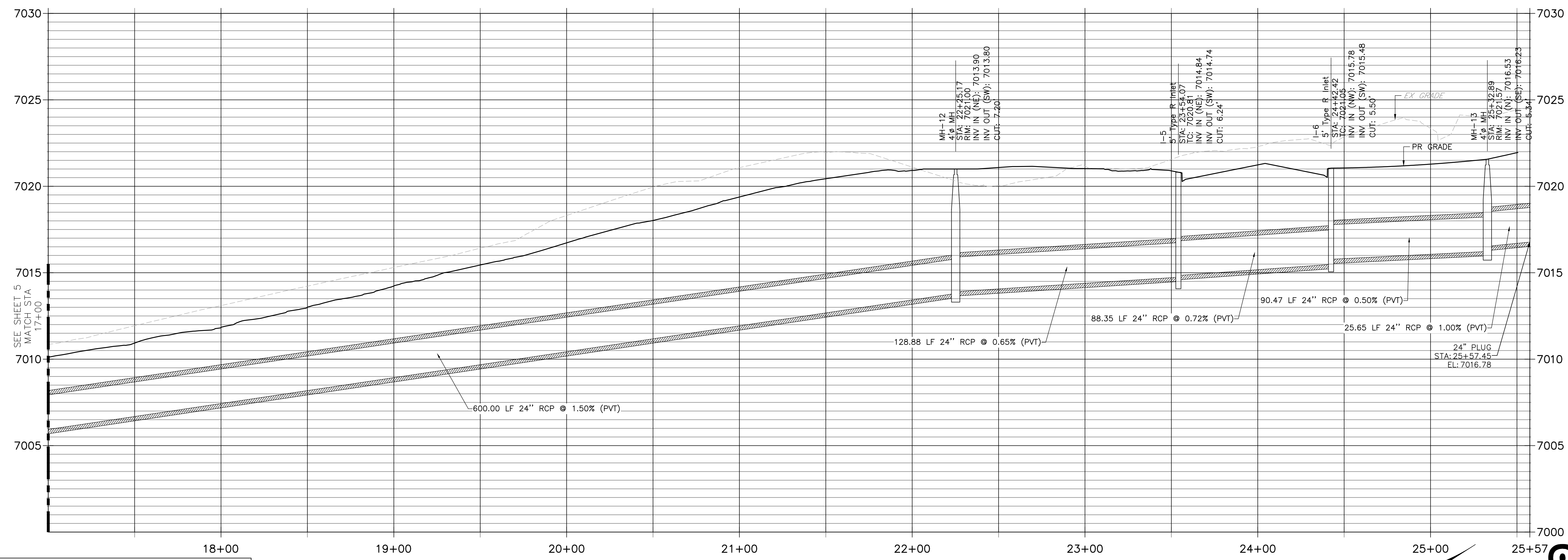
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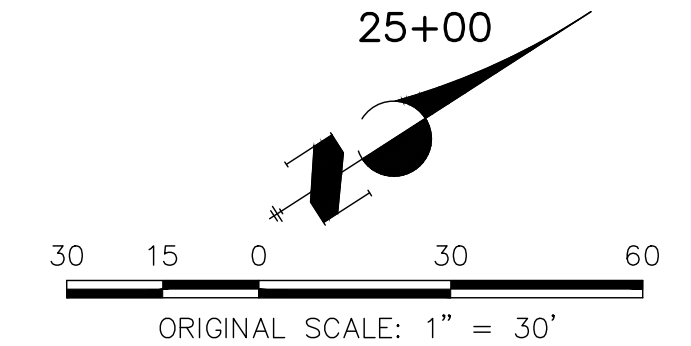
RYAN E. BURNS, P.E.
 COLORADO P.E. 54412
 FOR AND ON BEHALF OF JR ENGINEERING, LLC

DATE

**DP03 (CONT.)
 STA 17+00.00 TO 25+57.45**



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ENGINEERING

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 TURKEY QUARRY INC.
 20 BOULDER CREST STREET, SUITE 100
 COLORADO SPRINGS, CO 80903
 ATTN: JIM MORLEY
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 JMORLEY3870@AOL.COM

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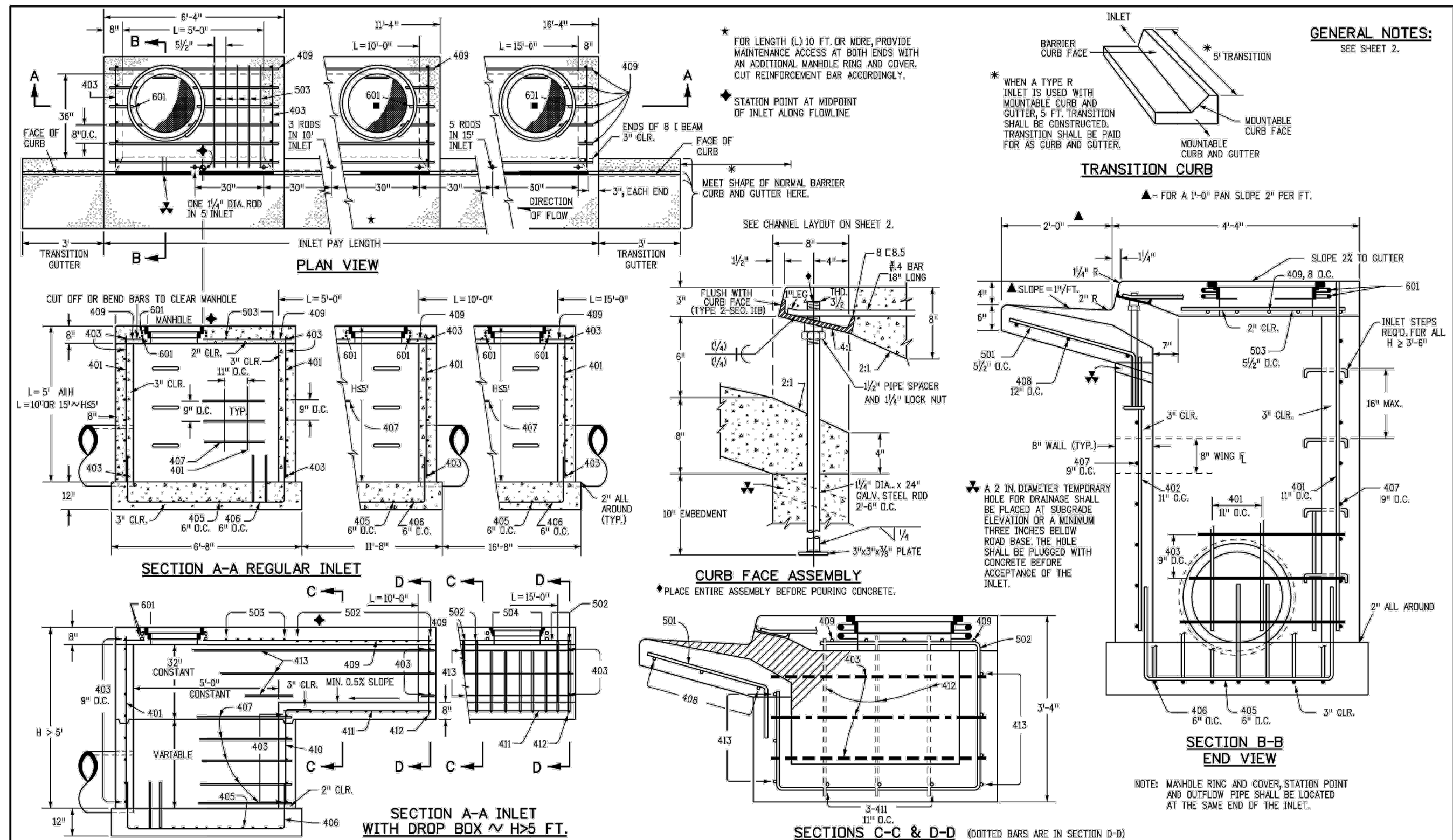
JOB NO: 24013 LOCATION: EPC

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE

STORM SEWER PLAN & PROFILE

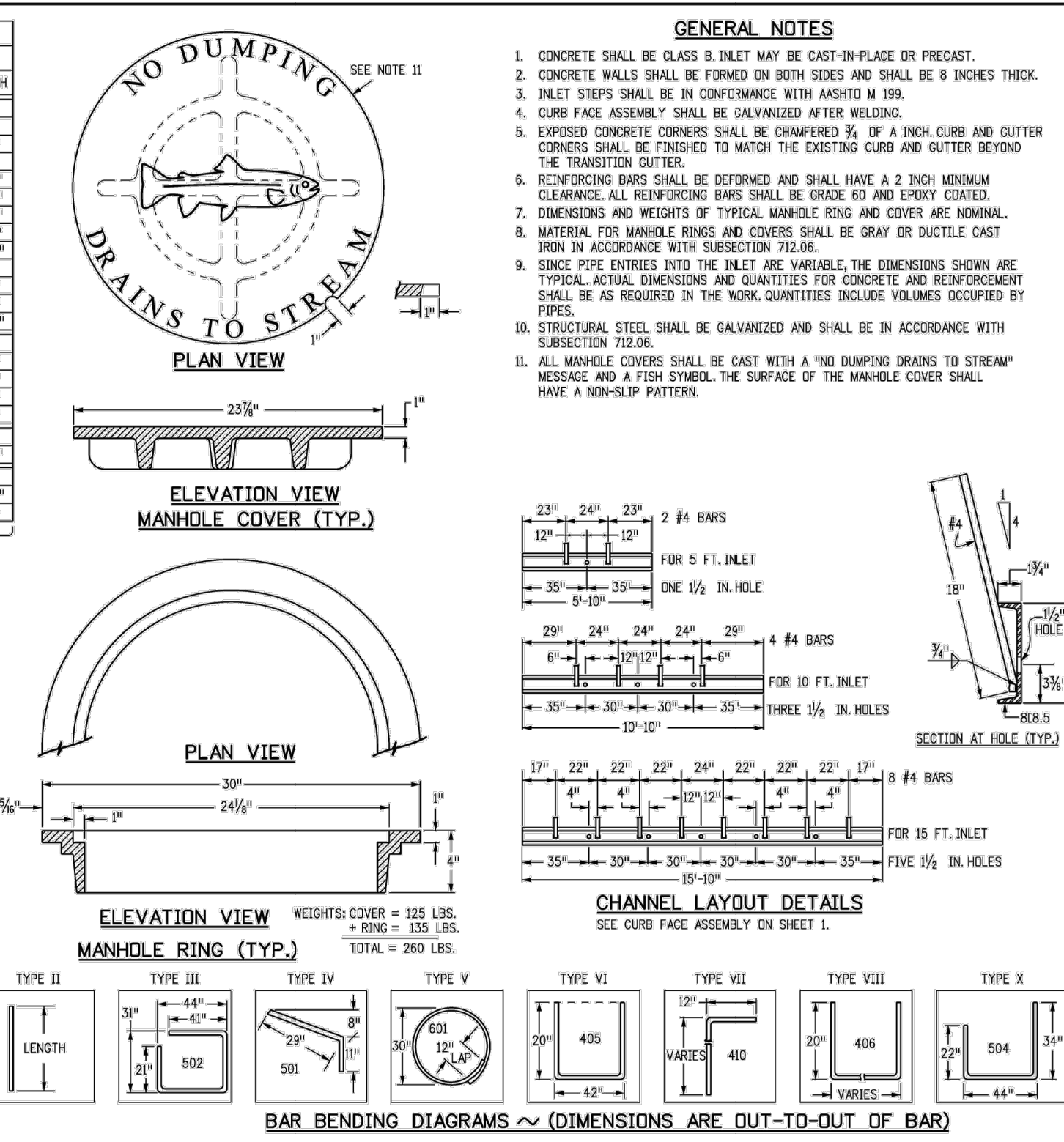
DESIGN: REB
 REVIEW: NOJ
 DATE: 07/01/2024
 (H)-SCALE: 1" = 30'
 (V)-SCALE: 1" = 3'

SHEET
 6 OF 8



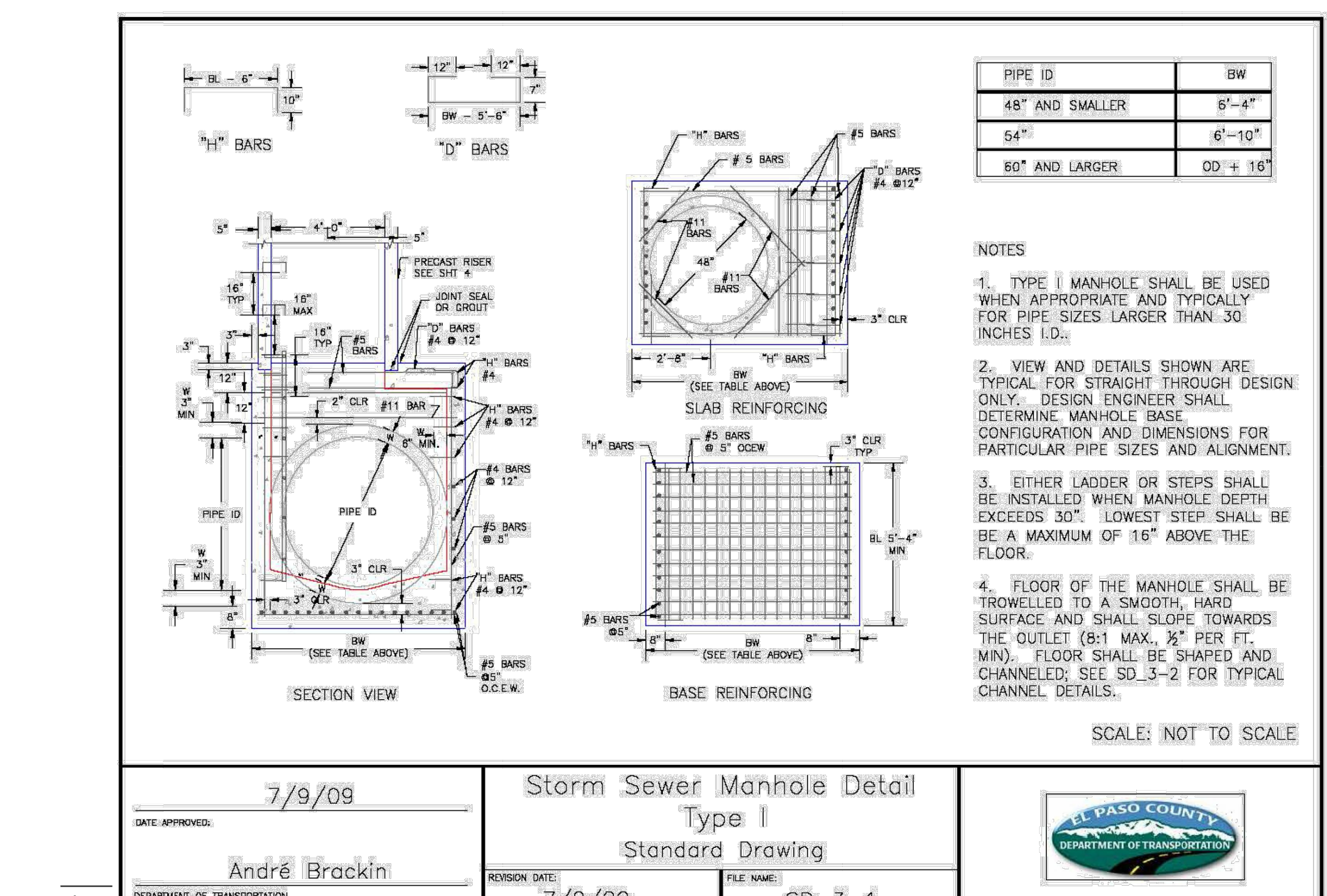
Computer File Information	Sheet Revisions	Colorado Department of Transportation	CURB INLET TYPE R	STANDARD PLAN NO. M-604-12
Creation Date: 07/31/19	01	2829 West Howard Place	Issue by the Project Development Branch July 31, 2019	Project Sheet Numbers
Designer Initials: JBK	02	CO DOT HQ, 3rd Floor		
Last Modification Date: 07/31/19	03	Denver, CO 80204		
Detailer Initials: LTA	04	Phones: 303-757-9021 FAX: 303-757-9988		
CAD Ver: MicroStation V8	05	Project Development Branch		

MARK	BAR # OR SIZE	O.C. SPACING	TYPE	ALL INLETS			INLETS: H ≤ 5 FT.			INLETS: H > 5 FT.		
				NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.
401	4	12"	II	15	*	21	*	26	*	11	*	
402	4	12"	II	7	*	11	*	14	*	7	*	
403	4	9"	II	*	4'-0"	*	4'-0"	*	4'-0"	*	4'-0"	



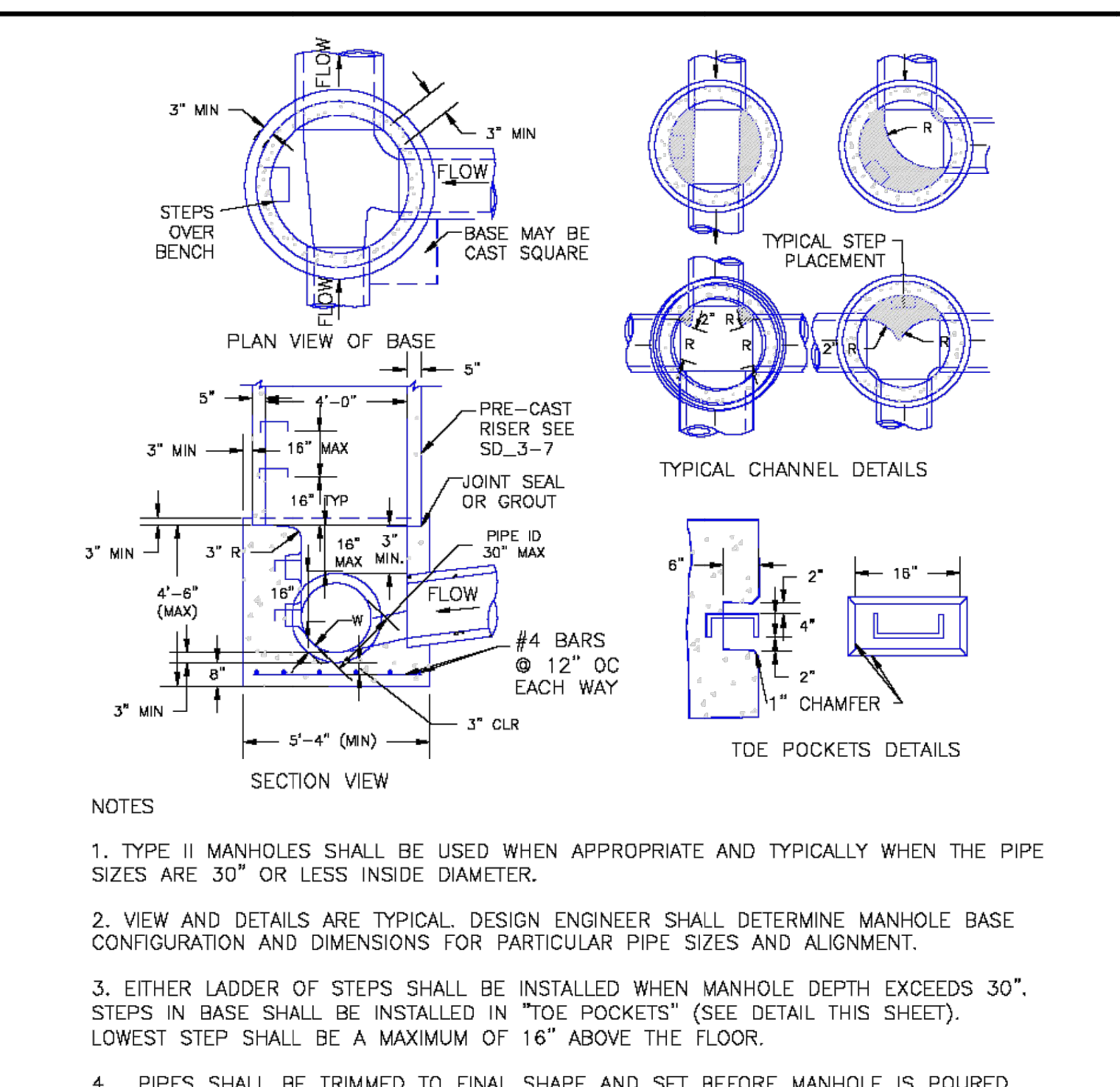
H"	LENGTH	REGULAR		DROP BOX		L = 5 FT.		L = 10 FT.		L = 15 FT.	
		NO. REQ'D.	NO. REQ'D.	CONC. LBS.	STEEL LBS.	CONC. LBS.	STEEL LBS.	CONC. LBS.	STEEL LBS.	CONC. LBS.	STEEL LBS.
3'-0"	2'-8"	10	7	3.2	285	5.3	497	7.4	706		

- ENGINEERING CRITERIA MANUAL
Appendix F STANDARD DRAWINGS



DATE APPROVED: 7/9/09	DESIGNER: Andre Brackin	REVISION DATE: 7/9/09	FILE NAME: SD_3-1
El Paso County Department of Transportation		Storm Sewer Manhole Detail Type I Standard Drawing	

- ENGINEERING CRITERIA MANUAL
Appendix F STANDARD DRAWINGS



DATE APPROVED:	DESIGNER:	REVISION DATE:	FILE NAME:
El Paso County, Colorado (Supp. No. 2)		Storm Sewer Manhole Detail Type II Standard Drawing	



PREPARED FOR:
TURKEY CANON QUARRY INC.
30 BOULDER CREEK STREET, SUITE 100
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JOB NO. 24013	LOCATION: EPC
REV. DESCRIPTION	DATE

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE
STORM SEWER DETAILS

DESIGN: REB	REVIEW: NOJ
DATE: 07/01/2024	H-SCALE: N/A
V-SCALE: N/A	SHEET

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE

EL PASO COUNTY, CO

SANITARY SEWER MAIN EXTENSION

GENERAL NOTES

1. ALL UTILITY CONSTRUCTION TO BE CONDUCTED IN CONFORMANCE WITH THE CURRENT STERLING RANCH METROPOLITAN DISTRICT (SRMD, THE DISTRICT) SPECIFICATIONS.
2. ALL PLANS ON THE JOB SITE SHALL BE SIGNED BY THE DISTRICT AND THE DISTRICT'S ENGINEER. ANY REVISION TO THE PLANS SHALL BE SO NOTED WITH THE OLD DRAWING MARKED NOT VALID.
3. ALL STATIONING IS CENTERLINE UNLESS OTHERWISE NOTED. ALL ELEVATIONS ARE CENTERLINE UNLESS OTHERWISE NOTED.
4. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE DISTRICT. THE DISTRICT RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
5. ALL WATER AND SEWER SERVICE LOCATIONS SHALL BE CLEARLY MARKED ON EITHER THE CURB HEAD OR THE FACE OF THE CURB, WITH AN "S" FOR SEWER AND A "W" FOR WATER.
6. DUCTILE IRON PIPES, INCLUDING FITTINGS, VALVES AND FIRE HYDRANTS, SHALL BE WRAPPED WITH POLYETHYLENE TUBING, DOUBLE BONDED AT EACH JOINT AND ELECTRICALLY ISOLATED. BONDING AND ANODE CONNECTIONS SHALL BE THOROUGHLY COATED WITH BITUMINOUS COATINGS.
7. ALL DUCTILE IRON PIPE LESS THAN 12 INCHES AND FITTINGS SHALL HAVE CATHODIC PROTECTION USING TWO NO. 6 WIRES WITH 17 LB MAGNESIUM ANODES EVERY 400 FEET AND 9 LB MAGNESIUM ANODES AT EACH FITTING. ALL DUCTILE IRON PIPE 12 INCHES AND GREATER AND FITTINGS SHALL HAVE CATHODIC PROTECTION USING TWO NO. 6 WIRES WITH 17 LB MAGNESIUM ANODES EVERY 300 FEET AND 9 LB MAGNESIUM ANODES AT EACH FITTING.
8. ALL PIPE MATERIAL, BACKFILL AND INSTALLATION SHALL CONFORM TO THE APPLICABLE SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS, COLORADO DEPARTMENT OF TRANSPORTATION, EL PASO COUNTY DEPARTMENT OF TRANSPORTATION, COLORADO SPRINGS UTILITIES AND THE GEOTECHNICAL ENGINEER.
9. COMPACTION TESTS SHALL BE 95% STANDARD PROCTOR AS DETERMINED BY ASTM D698, UNLESS OTHERWISE APPROVED BY THE DISTRICT OR HIGHER STANDARD AS IMPOSED BY ANOTHER AGENCIES HAVING RIGHT-OF-WAY JURISDICTION. THIS SHALL INCLUDE ALL VALVES, FIRE HYDRANT RUNS, WATER & SEWER SERVICE LINES AND MANHOLES. ALL REPORTS SHALL BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL.
10. THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. THE DISTRICT SHALL BE NOTIFIED OF ANY DEVIATIONS TO THE LINE AND/OR GRADE AS DEPICTED ON THE PLANS. CONTRACTOR SHALL SUBMIT TO THE DISTRICT AND THE ENGINEER OF RECORD A REPORT OF THE FIELD VERIFIED INFORMATION PRIOR TO THE START OF CONSTRUCTION.
11. ALL BENDS SHALL BE FIELD STAKED PRIOR TO THE START OF CONSTRUCTION.
12. BENDS, DEFLECTION & CUT PIPE LENGTHS SHALL BE USED TO HOLD HORIZONTAL ALIGNMENT OF SEWER AND WATER LINES TO NO MORE THAN 0.5' FROM THE DESIGNED ALIGNMENT. CONSTRUCTION STAKES TO BE AT 25' INTERVALS ALONG CURVES TO ASSURE LOCATION OF PIPE LINE CONSTRUCTION.
13. AT ALL LOCATIONS WHERE CAP AND STUB IS NOTED ON DRAWINGS, PROVIDE A PLUG AT THE END OF THE PIPE JOINT NEAREST THE SPECIFIED STATION. PROVIDE A REVERSE ANCHOR AT ALL WATER LINE PLUGS.
14. ALL UNUSED SALVAGED WATER UTILITY MATERIAL SHALL BE RETURNED TO THE METROPOLITAN DISTRICT AS REQUESTED.
15. AT THE CONTRACTOR'S EXPENSE, ALL UTILITY MAINS SHALL BE SUPPORTED AND PROTECTED SUCH THAT THEY SHALL FUNCTION CONTINUOUSLY DURING CONSTRUCTION OPERATIONS. SHOULD A UTILITY MAIN FAIL AS A RESULT OF THE CONTRACTOR'S OPERATION, IT SHALL BE REPLACED IMMEDIATELY BY THE CONTRACTOR OR BY THE DISTRICT AT FULL COST OF LABOR AND MATERIALS TO THE CONTRACTOR/DEVELOPER.
16. PUMPING OR BYPASS OPERATIONS SHALL BE REVIEWED AND APPROVED BY BOTH THE DISTRICT AND THE DISTRICT ENGINEER PRIOR TO EXECUTION.
17. THE CONTRACTOR SHALL REPLACE OR REPAIR DAMAGE TO ALL SURFACE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO FENCES, LANDSCAPING, CURB AND GUTTER AND/OR ASPHALT THAT MAY BE CAUSED DURING CONSTRUCTION.
18. ALL CONTRACTORS WORKING ON OR NEAR A WATER OR SEWER FACILITY (TO INCLUDE SERVICE LINE) SHALL HAVE LIABILITY INSURANCE NAMING THE DISTRICT AS AN ADDITIONAL INSURED AND SHALL PROVIDE A CURRENT COPY OF WORKERS COMPENSATION INSURANCE ON FILE WITH THE DISTRICT. NO WORK CAN PROCEED WITHOUT CURRENT CERTIFICATES ON FILE AT THE DISTRICT'S OFFICE.
19. THE CONTRACTOR SHALL NOTIFY THE DISTRICT AND ALL AFFECTED UTILITY COMPANIES ADJACENT TO THE PROPOSED UTILITY CONSTRUCTION A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF CONSTRUCTION. A WEEKLY CONSTRUCTION MEETING SHALL BE REQUIRED WITH THE CONTRACTOR, DISTRICT ENGINEER AND ALL OTHER PARTIES AS DEEMED NECESSARY BY THE DISTRICT.
20. COMMENCEMENT OF CONSTRUCTION OF WATER/SEWER SYSTEMS WITHIN THE METROPOLITAN DISTRICT:
 - a. PRIOR TO THE START OF CONSTRUCTION, A PRE-CONSTRUCTION MEETING IS REQUIRED. A MINIMUM OF 48 HOURS IN ADVANCE OF COMMENCEMENT OF WORK. A REPRESENTATIVE OF THE OWNER OR DEVELOPER, A REPRESENTATIVE OF THE CONTRACTOR AND DESIGN ENGINEER ARE REQUIRED TO ATTEND. CONTACT THE DISTRICT TO SCHEDULE THE PRE-CONSTRUCTION MEETING. NO PRE-CONSTRUCTION MEETING CAN BE SCHEDULED PRIOR TO FOUR (4) SIGNED/ APPROVED PLAN SETS ARE RECEIVED BY THE DISTRICT.
 - b. THE CONTRACTOR IS REQUIRED TO NOTIFY THE DISTRICT A MINIMUM OF 48 HOURS AND A MAXIMUM OF 2 WEEKS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO NOTIFY AFFECTED UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION ADJACENT TO THE KNOWN UTILITY LINES.
21. TESTING OF FACILITIES:
 - a. THE CONTRACTOR SHALL NOTIFY THE DISTRICT A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF ANY TESTING.
 - b. ALL SECTIONS OF WATER LINE ARE TO MEET THE FOLLOWING PRESSURE TESTING REQUIREMENTS:
 - TEST 100% OF ALL LINES
 - MUST PASS PRESSURE TEST TO 200 PSI FOR TWO HOURS (UNLESS OTHERWISE APPROVED ON THE PLANS).
 - c. ALL SANITARY SEWER FACILITIES ARE TO MEET THE FOLLOWING TESTING REQUIREMENTS:
 - ALL LINES SHALL BE JET CLEANED PRIOR TO VACUUM OR PRESSURE TESTING.
 - ALL MANHOLES SHALL BE VACUUM TESTED WITH DISTRICT STAFF PRESENT PRIOR TO CCTV INSPECTION.
 - SEWER MAINS TO BE PRESSURE TEST PRIOR TO CCTV INSPECTION
 - ALL LINES SHALL BE CCTV INSPECTED AND VIDEO SHALL BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL.
22. PRELIMINARY ACCEPTANCE SHALL BE DEFINED AS THE POINT IN TIME THAT THE DISTRICT ACCEPTS THE FACILITY FOR USE. ALL SURFACE IMPROVEMENTS AND RESTORATION SHALL BE COMPLETED WITHIN 30 DAYS OF COMMENCEMENT. SHOULD THE CONTRACTOR FAIL TO COMPLETE ALL SURFACE IMPROVEMENTS AND RESTORATION WITHIN 30 DAYS OF COMMENCEMENT OF SERVICE, THE DISTRICT, AT THEIR DISCRETION, MAY ELECT TO COMPLETE THE IMPROVEMENTS AT THE CONTRACTORS COST.
23. FINAL ACCEPTANCE BY THE DISTRICT OF ANY LINE OR SYSTEM SHALL NOT OCCUR UNTIL COMPLETION OF FINAL ASPHALT LAYERS AND/OR FINAL COMPLETION AND/OR RESTORATION OF ALL SURFACE IMPROVEMENTS. THE WARRANTY PERIOD FOR ALL FACILITIES PRIOR TO FINAL ACCEPTANCE SHALL BE 24 MONTHS COMMENCING AFTER PRELIMINARY ACCEPTANCE.
24. ACCEPTANCE:
 - a. THE DISTRICT MAY GIVE PRELIMINARY ACCEPTANCE ONCE ALL OF THE TESTS ON ALL THE LINES HAVE BEEN COMPLETED AND A WALK-THRU HAS OCCURRED.
 - b. A SECOND ACCEPTANCE MAY OCCUR ONCE FIRST LIFT OF ASPHALT GOES DOWN AND A SECOND WALK-THRU OF THE SYSTEM OCCURS. IF ALL FACILITIES ARE CLEAN AND ACCESSIBLE, A FINAL ACCEPTANCE MAY OCCUR (THE DISTRICT MAY REQUIRE CLEANING AND RE-VIDEO OF THE SYSTEM, DEPENDING ON THE SEVERITY OF THE CONTAMINATION).
25. ALL WATER AND SEWER MAINS, INCLUDING SERVICE LINES, SHALL HAVE "AS-BUILT" DRAWINGS PREPARED AND APPROVED PRIOR TO PRELIMINARY ACCEPTANCE BY THE DISTRICT.
26. ALL COMMERCIAL/BUSINESS DEVELOPMENTS SHALL HAVE AN EIGHT INCH (MIN.) WATER MAIN LOOPED THROUGH THE PROPOSED PROPERTY WITH GATE VALVES LOCATED WHERE THE MAIN ENTERS THE PROPERTY LINE. AN EIGHT INCH SEWER MAIN SHALL BE INSTALLED FOR SERVICE TO COMMERCIAL/BUSINESS DEVELOPMENTS, AND A MANHOLE SHALL BE LOCATED WHERE THE MAIN ENTERS THE PROPERTY. THE END OF THE MAINS SHALL BE MARKED WITH THE APPROPRIATE COLORED CARBONITE MARKER ALONG WITH TRACER WIRE.
27. AFTER REVIEW AND APPROVAL OF PLANS FOR THE EXTENSION OF LINES, FACILITIES AND/OR SERVICES, CONSTRUCTION MUST BE COMMENCED WITHIN 18 MONTHS FOR RESIDENTIAL SUBDIVISIONS AND 12 MONTHS FOR ANY COMMERCIAL INSTALLATIONS.
28. INSPECTION FEES: CALL THE DISTRICT (719-495-2500) FOR FEE SCHEDULE.



VICINITY MAP
SCALE: 1"=1,000'

BASIS OF BEARINGS

THE NORTH LINE OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 5, TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, BEING MONUMENTED AT THE NORTHEAST CORNER OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 5, BY A 3-1/4" ALUMINUM CAP STAMPED "LS 10376" AND AT THE NORTH QUARTER CORNER BY A 3-1/4" ALUMINUM CAP STAMPED "LS 4842 1996", BEARING S89°14'13"W.

BENCHMARKS

1. THE TOP OF AN ALUMINUM SURVEYORS' CAP, STAMPED "9853", AT THE SOUTHEAST BOUNDARY CORNER OF BARBARICK SUBDIVISION
NORTHING = 411416.273
EASTING = 235167.071
ELEVATION = 7023.42
2. THE TOP OF A RED PLASTIC SURVEYORS' CAP, ILLEGIBLE, AT THE NORTHWEST BOUNDARY CORNER OF PAWNEE RANCHEROS SUBDIVISION
NORTHING = 410095.404
EASTING = 235052.131
ELEVATION = 7000.40
3. THE TOP OF A RED PLASTIC SURVEYORS' CAP, STAMPED "38141", AT THE SOUTHWEST BOUNDARY CORNER OF BARBARICK SUBDIVISION
NORTHING = 411399.962
EASTING = 233849.817
ELEVATION = 7030.82

WASTEWATER SYSTEM INSTALLATION NOTES

1. SANITARY SEWER LENGTHS ARE MH CENTER-MH CENTER (OR STRUCTURE CENTER-STRUCTURE CENTER). ALL SANITARY SEWER PIPES SHALL BE SDR 35 PVC OR EQUAL. SEWER LINES MAY NOT EXCEED 7% GRADE FOR ANY SIZE WITHOUT PRIOR APPROVAL OF THE DISTRICT. ALL NEWLY CONSTRUCTED RESIDENTIAL SANITARY SEWER TAPS SHALL USE PRE-MANUFACTURED IN-LINE PVC PUSH-ON WYES. TAPPING SADDLES MAY ONLY BE USED FOR TAPPING PRE-EXISTING MAINS.
2. ALL SANITARY SEWER MANHOLES SHALL BE WRAPPED WITH RU116 - RUBR-NEK JOINT WRAP OR EQUIVALENT AND COATED.
3. COMMENCEMENT OF USE OF SEWER LINES AND/OR SYSTEMS:
 - a. NO SANITARY SEWER FACILITY SHALL BE PLACED IN SERVICE UNTIL AFTER THE COMPLETION OF ALL JET CLEANING, PRESSURE TESTING, CCTV INSPECTION, COMPACTION TESTING AND AS-BUILT DRAWINGS ARE SUBMITTED AND APPROVED BY THE DISTRICT.
 - b. NO SANITARY SEWER FACILITY SHALL BE PLACED IN SERVICE UNTIL ALL SERVICE LINES ARE COMPLETED AND THE FIRST LIFT OF ASPHALT IS COMPLETED OVER THE LINE. IN THE CASE WHERE NO ASPHALT IS TO BE PLACED OVER THE LINE, ANY REQUIRED SURFACE SURFACE IMPROVEMENTS SHALL BE COMPLETED PRIOR TO USE OF THE FACILITY.
 - c. ALL NECESSARY EASEMENTS (PLATTED OR DEEDED) ARE DEDICATED, EXECUTED BY THE DISTRICT, AND RECORDED.
 - d. DOWNSTREAM PLUG CAN BE REMOVED ONCE FIRST LIFT OF ASPHALT IS DOWN AND THE ABOVE REQUIREMENTS ARE MET.

AGENCIES

OWNER/DEVELOPER:	TURKEY CANON QUARRY, LLC 20 BOULDER CRESCENT, SUITE 201 COLORADO SPRINGS, CO 80903 JAMES F. MORLEY (719) 471-1742	WATER RESOURCES:	STERLING RANCH METRO DISTRICT ENGINEERS JDS-HYDRO CONSULTANTS 545 E. PIKES PEAK AVE., SUITE 300 COLORADO SPRINGS, CO 80903 JOHN MCGINN (719) 668-8769
CIVIL ENGINEER:	ALL TERRAIN ENGINEERING LLC 1004 WEST VAN BUREN STREET COLORADO SPRINGS, CO 80907 RYAN BURNS P.E.	FIRE DISTRICT:	BLACK FOREST FIRE PROTECTION DISTRICT 11445 TEACHOUT ROAD COLORADO SPRINGS, CO 80908 CHIEF BRYAN JACK (719) 495-4300
COUNTY ENGINEERING:	EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT 2680 INTERNATIONAL CIRCLE, SUITE 110 COLORADO SPRINGS, CO 80910 JEFF RICE, P.E. (719) 520-6300	GAS DEPARTMENT:	COLORADO SPRINGS UTILITIES 7710 DURANT DR. COLORADO SPRINGS, CO 80947 TIM WENDT (719) 668-3556
TRAFFIC ENGINEERING:	EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS 3275 AKERS DRIVE COLORADO SPRINGS, CO 80922 JENNIFER IRVINE, P.E. (719) 520-6460	ELECTRIC DEPARTMENT:	MOUNTAIN VIEW ELECTRIC 11140 E. WOODMEN ROAD FALCON, CO 80831 (719) 495-2283

SHEET INDEX

1	- COVER
2	- LEGEND
3	- SANITARY PLAN & PROFILE
4	- DETAILS
<hr/>	
4	- TOTAL SHEETS

EL PASO COUNTY STATEMENT

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

JOSHUA PALMER, P.E. _____ DATE _____

COUNTY ENGINEER/ECM ADMINISTRATOR

WATER & SEWER MAIN EXTENSIONS

ANY CHANGES OR ALTERATIONS AFFECTING THE GRADE, ALIGNMENT, ELEVATION AND/OR DEPTH OF COVER OF ANY WATER OR SEWER MAINS OR OTHER APPURTENANCE SHOWN ON THIS DRAWING SHALL BE THE RESPONSIBILITY OF THE OWNER/DEVELOPER. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR ALL OPERATIONAL DAMAGES AND DEFECTS IN INSTALLATION AND MATERIAL FOR MAINS AND SERVICES FROM THE DATE OF APPROVAL UNTIL FINAL ACCEPTANCE IS ISSUED.

SIGNED _____ DATE _____

JAMES F. MORLEY

SR LAND, LLC
20 BOULDER CRESCENT, SUITE 201
COLORADO SPRINGS, CO 80903
(719) 471-1742

FALCON AREA WATER & WASTEWATER AUTHORITY ENGINEER

THESE CONSTRUCTION DOCUMENTS HAVE BEEN REVIEWED AND APPROVED FOR THE SANITARY SEWER, WATER MAIN AND ASSOCIATED UTILITY SERVICE CONSTRUCTION. RESPONSIBILITY FOR COMPLETENESS AND ACCURACY REMAINS WITH THE DESIGN ENGINEER.

SIGNED _____ DATE _____

FAWA ENGINEER

ENGINEER'S STATEMENT

THIS WASTEWATER SYSTEM PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR WASTEWATER SYSTEM PLANS. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS PLANS.

RYAN E. BURNS P.E.
COLORADO P.E. 54412
FOR AND ON BEHALF OF ALL TERRAIN ENGINEERING LLC

DATE _____

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.



Know what's below.
Call before you dig.

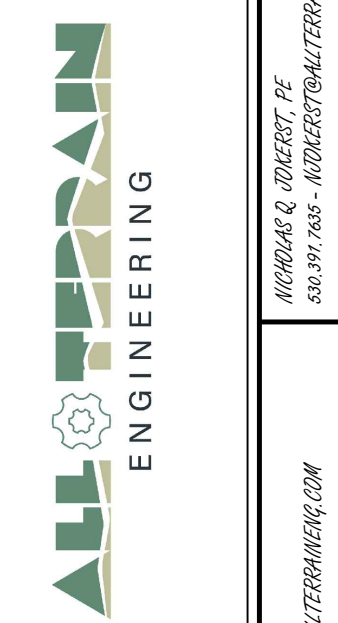
PCD FILING NO.:

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, ALL TERRAIN ENGINEERING APPROVES THEIR USE ONLY FOR THE PURPOSES DESIGNATED BY WRITTEN AUTHORIZATION.

DATE	LOCATION: ##-##

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE

DESIGN: NQJ
REVIEW: REB
DATE: 12/09/2024
H-SCALE: 1" = 1000'
V-SCALE: N/A
SHEET
1 OF 4



RYAN E. BURNS, P.E.
54412
FOR AND ON BEHALF OF ALL TERRAIN ENGINEERING LLC

PLANOMETRICS

	EXISTING	PROPOSED
SECTION LINE	---	---
RIGHT-OF-WAY	---	---
PARCEL LINE	---	---
EASEMENT LINE	---	---
BOUNDARY LINE	---	---
CENTER LINE	---	---

CONSTRUCTION

	EXISTING	PROPOSED
C&G	---	---
EDGE OF ASPHALT	---	---
CONCRETE	---	---
SIDE WALK	---	---
CROSS PAN	---	---
PARKING LOT STRIPING	---	---
ROADWAY STRIPING - DHASED	---	---
ROADWAY STRIPING - DOTTED	---	---
GUARDRAIL	---	---
FENCE	---	---
SOUNDWALL	---	---
DEMO	---	---
GRAVEL	---	---
RIPRAP	---	---
DIRT	---	---
TRAIL/PATH	---	---
RAIL LINE	---	---

GRADING

	EXISTING	PROPOSED
CONTOUR INTERMEDIATE	---	---
CONTOUR INDEX	---	---
TOP OF SLOPE	---	---
TOE OF SLOPE	---	---
CUT/FILL BOUNDARY	---	---
LIMITS OF GRADING	---	---
LIMITS OF DISTURBANCE	---	---

UTILITIES

	EXISTING	PROPOSED
SANITARY SEWER	SS	SS
SANITARY SEWER SERVICE	SS	SS
POTABLE WATER MAIN	W	W
POTABLE WATER SERVICE	W	W
RAW WATER MAIN	RAW	RAW
IRRIGATION MAIN	---	---
SANITARY FORCE MAIN	FM	FM
UNDER-DRAIN	UD	UD
GAS PIPE	G	G
HIGH PRESSURE GAS	HPG	HPG
OIL/PETROLEUM LINE	O	O
UNDER-GROUND ELECTRIC	UGE	UGE
OVER-HEAD ELECTRIC	OHU	OHU
FIBER OPTIC	FO	FO
COMMUNICATION LINES MISC.	COM	COM
STORM PIPE	---	---
HGL MINOR	---	---
HGL MAJOR	---	---

DRAINAGE

	EXISTING	PROPOSED
BASE FLOOD ELEVATION	---	---
100-YR FLOOD PLAIN	---	---
500-YR FLOOD PLAIN	---	---
FLOODWAY	---	---
SWALE/DITCH	---	---
THALWEG (STREAM/CREEK)	---	---
LIMITS OF WETLANDS	---	---
EDGE OF WATER	---	---
SILT FENCE	---	---
CONSTRUCTION FENCE/MARKERS	---	---

UTILITY SYMBOLS

	EXISTING	PROPOSED
STORM SEWER	⊙	●
MANHOLE	⊙	●
STORM INLET	□	■
AREA INLET - SQUARE	□	■
AREA INLET - ROUND	○	●
FLARED END SECTION	▷	▷

TRAFFIC

	EXISTING	PROPOSED
TRAFFIC SIGNAL BOX	⊠	⊠
TRAFFIC SIGNAL POLE	⊠	⊠
SIGN	⊠	⊠
STREET LIGHT	⊙	⊙
STREET LIGHT - SINGLE	⊙	⊙
STREET LIGHT - DOUBLE	⊙	⊙
LUMINAIRE	⊙	⊙

LANDSCAPE

	EXISTING	PROPOSED
TREE - CONIFEROUS	⊙	⊙
TREE - DECIDUOUS	⊙	⊙
SHRUB/BUSH	⊙	⊙
SHRUBS AND BUSHES	⊙	⊙
IRRIGATION BOX	⊙	⊙
IRRIGATION SPRINKLER	⊙	⊙
IRRIGATION VALVE	⊙	⊙
BOLLARD	⊙	⊙
FLAGPOLE	⊙	⊙

UTILITY SYMBOLS

	EXISTING	PROPOSED
LINE MARKER	Mkr San ^o	
SERVICE MARKER	△	△
CLEAN-OUT	○	+
MANHOLE	⊙	●

WATER

	EXISTING	PROPOSED
LINE MARKER	Mkr W ^o	
SERVICE MARKER	△	△
FIRE HYDRANT	⊙	●
FIRE CONNECTION	⊙	●
MANHOLE	⊙	●
BEND	⊙	●
BLOW-OFF VALVE	⊙	●
WELL	⊙	●
METER	⊙	●
VALVE	⊙	●
REDUCER	⊙	●
THRUST BLOCK	⊙	●
CROSS	⊙	●
PLUG W/ THRUST BLOCK	⊙	●
TEE	⊙	●
REVERSE ANCHOR	⊙	●
ANODE	⊙	●
AIR & VACUUM VALVE ASSEMBLY	⊙	●

GAS

	EXISTING	PROPOSED
MARKER	Mkr G ^o	
SERVICE MARKER	△	△
METER	⊙	●

DRY UTILITIES

	EXISTING	PROPOSED
CABLE TV MARKER	Mkr TV ^o	
CABLE TELEVISION PEDESTAL	⊙	●
ELECTRIC MARKER	Mkr E ^o	
ELECTRIC SERVICE MARKER	△	△
ELECTRICAL PEDESTAL	⊙	●
ELECTRICAL METER	⊙	●
ELECTRICAL MANHOLE	⊙	●
FIBER-OPTIC MARKER	Mkr FO ^o	
IRRIGATION PEDESTAL	⊙	●
TELEPHONE MARKER	Mkr T ^o	
TELEPHONE PEDESTAL	⊙	●
TELEPHONE MANHOLE	⊙	●
UTILITY POLE	⊙	●
GUY ANCHOR	⊙	●
GUY POLE	⊙	●

MISC. UTILITIES

	EXISTING	PROPOSED
VENT PIPE	⊙	●
TEST HOLE DESIGNATOR	⊙	●

ABBREVIATIONS:

ASCE - AMERICAN SOCIETY OF CIVIL ENGINEERS	OH - OVERHEAD
BLDG - BUILDING	PB - PUBLIC
BW - BOTTOM OF WALL	PC - POINT OF CURVATURE
CG - CURB AND GUTTER	PCC - POINT OF COMPOUND CURVATURE
CIP - CAST IRON PIPE	PCR - POINT OF CURB RETURN
CL - CENTERLINE	PR - PROPOSED
CMP - CORRUGATED METAL PIPE	PRC - POINT OF REVERSE CURVATURE
CONC - CONCRETE	PVC - POLYVINYL CHLORIDE PIPE
DIP - DUCTILE IRON PIPE	PVT - PRIVATE
DS - DOWNSPOUT	PT - POINT OF TANGENCY
EL - ELEVATION	P.U.E - PUBLIC UTILITY EASEMENT
ESMT - EASEMENT	P.U.A.E - PUBLIC UTILITY & ACCESS EASEMENT
EX - EXISTING	P.U.D.E - PUBLIC UTILITY & DRAINAGE EASEMENT
FES - FLARED END SECTION	P.I.E - PUBLIC IMPROVEMENT EASEMENT
FL - FLOWLINE	R - RADIUS
GB - GRADE BREAK	RIM - RIM ELEVATION
HP - HIGH POINT	STM - STORM
HYD - HYDRANT	TBC - TOP BACK OF CURB
INV - INVERT ELEVATION	TW - TOP OF WALL
LF - LINEAR FEET	TYP - TYPICAL
LP - LOW POINT	UD - UNDERDRAIN
MH - MANHOLE	UT - UTILITY
MIN - MINIMUM	WTR - WATER
	XPAN - CROSSSPAN



Know what's below.
Call before you dig.

ALL TERRAIN ENGINEERING

PREPARED FOR:
TURKEY CANON QUARRY INC
20 BOULDER CREST STREET, SUITE 100
COLORADO SPRINGS, CO 80903
ATTN: JIM MORLEY
(719) 491-3024
#####

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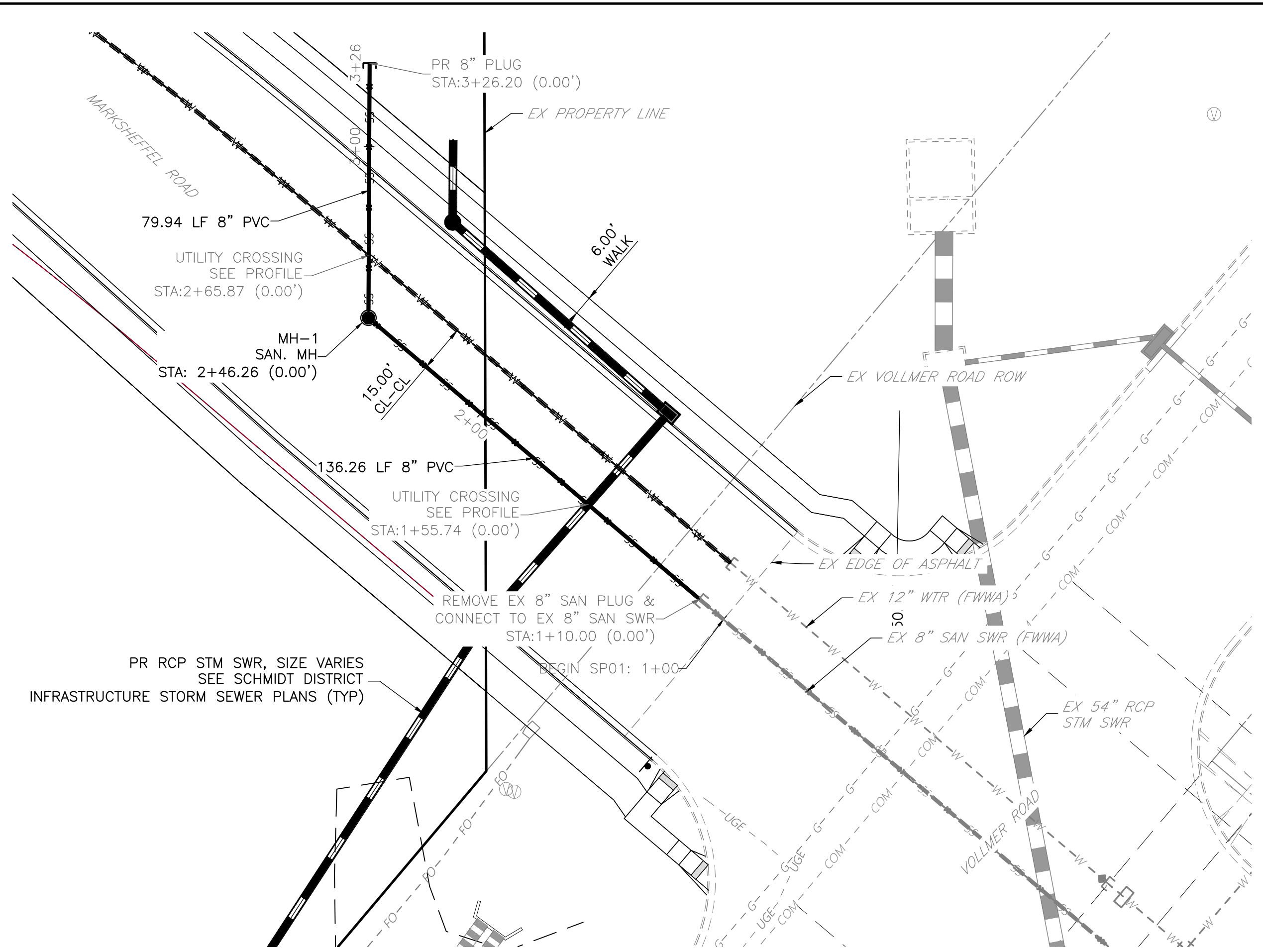
DATE	DESCRIPTION

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE	LEGEND
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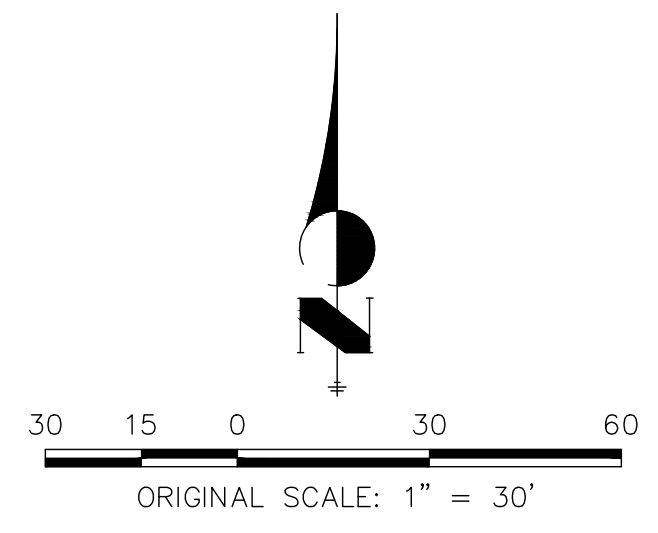
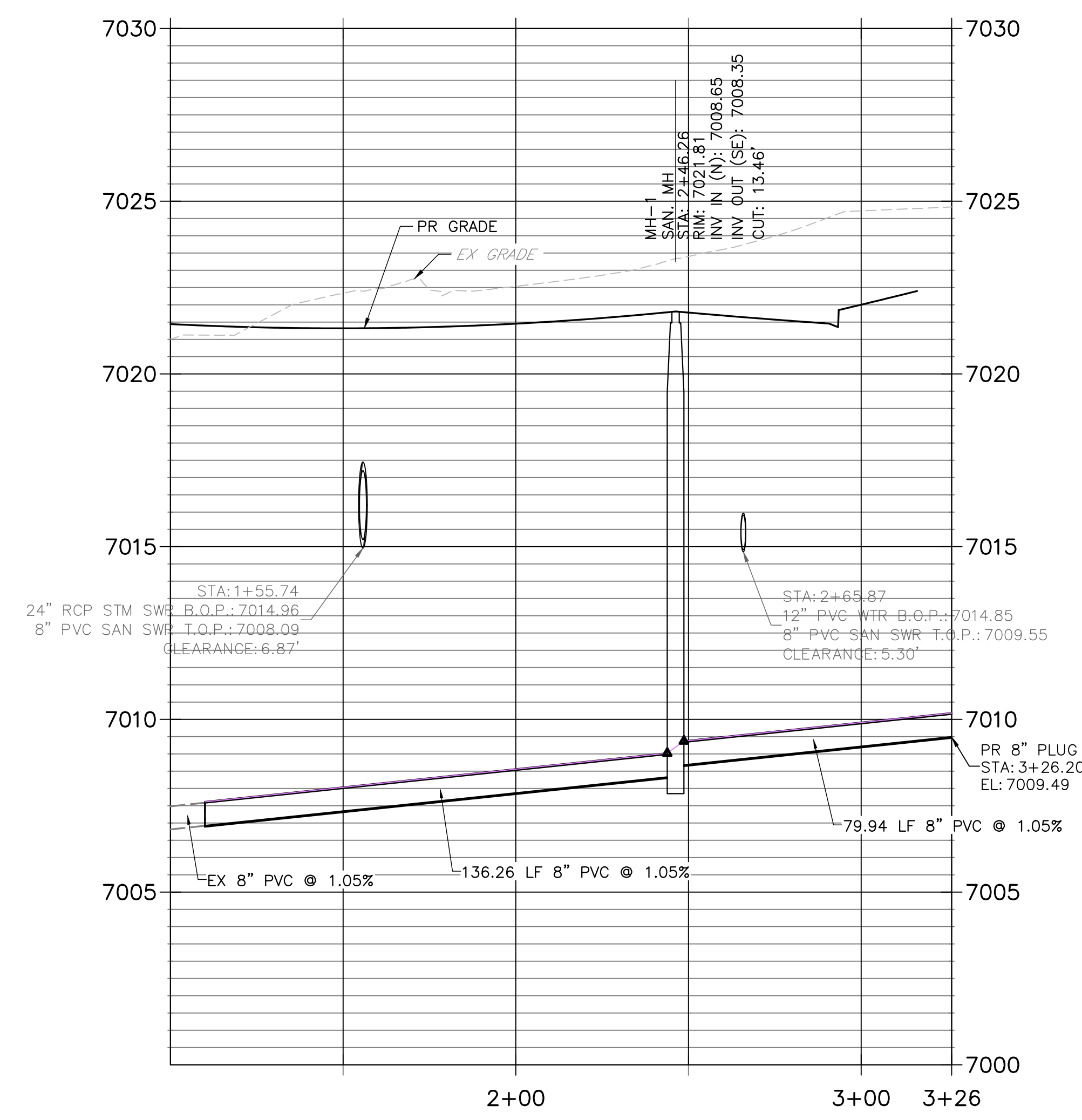
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**SP01
STA 1+00.00 TO 3+26.20**



**Know what's below.
Call before you dig.**

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ENGINEER'S STATEMENT

THIS WASTEWATER SYSTEM PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR WASTEWATER SYSTEM PLANS. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS PLANS.

RYAN E. BURNS P.E.
COLORADO P.E. 54412
FOR AND ON BEHALF OF ALL TERRAIN ENGINEERING LLC

DATE _____



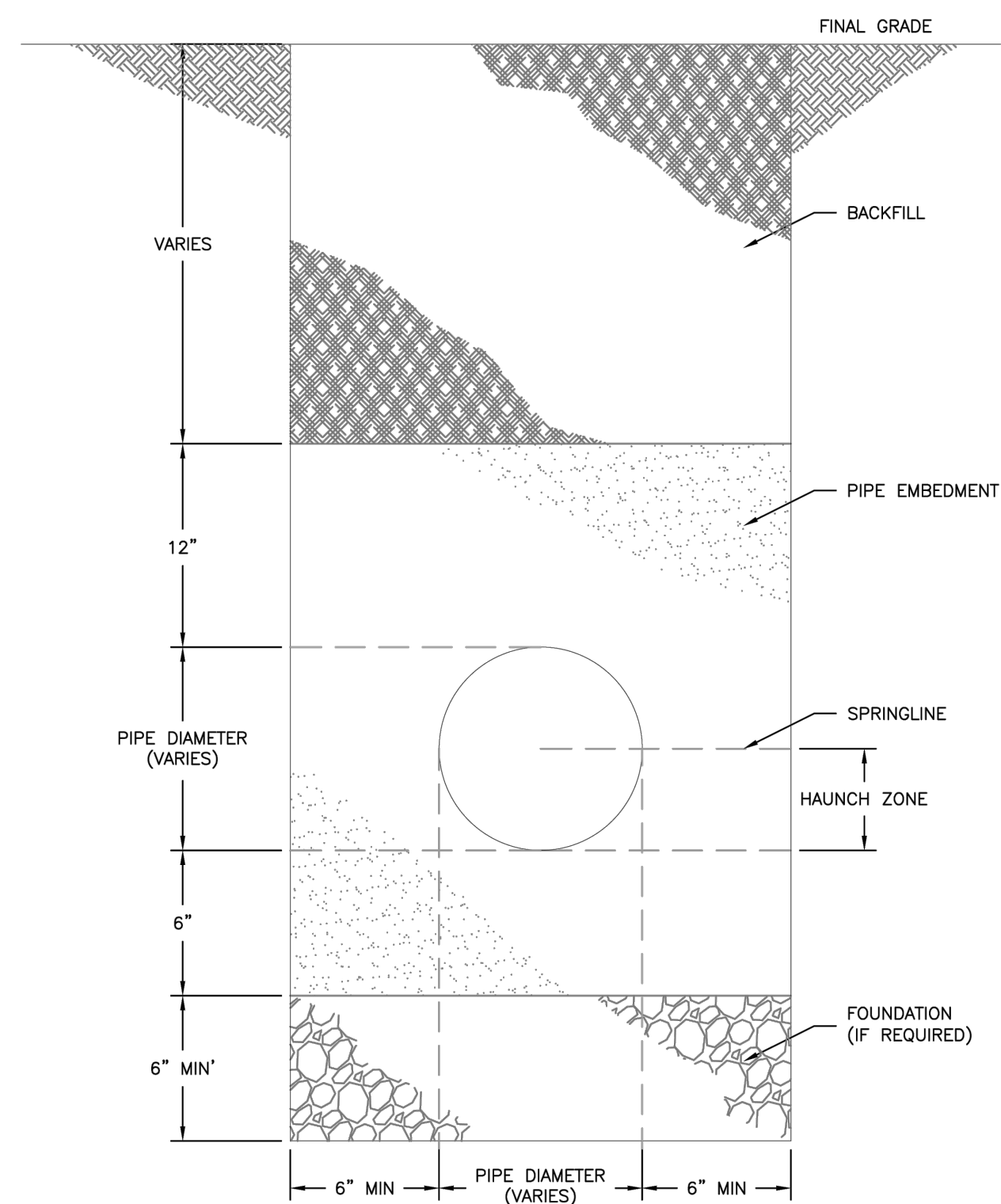
PREPARED FOR:
TURKEY CANON QUARRY INC
20 BOULDER CRESCENT STREET, SUITE 100
COLORADO SPRINGS, CO 80903
ATTN: JIM MORLEY
(719) 491-3024
#####

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, ALL TERRAIN ENGINEERING APPROVES THEIR USE ONLY FOR THE PURPOSES DESIGNATED BY WRITTEN AUTHORIZATION.

REV	DESCRIPTION	DATE

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE
SANITARY PLAN & PROFILE

DESIGN: NQJ
REVIEW: REB
DATE: 12/09/2024
H-SCALE: 1" = 30'
V-SCALE: 1" = 3'
SHEET
3 OF 4



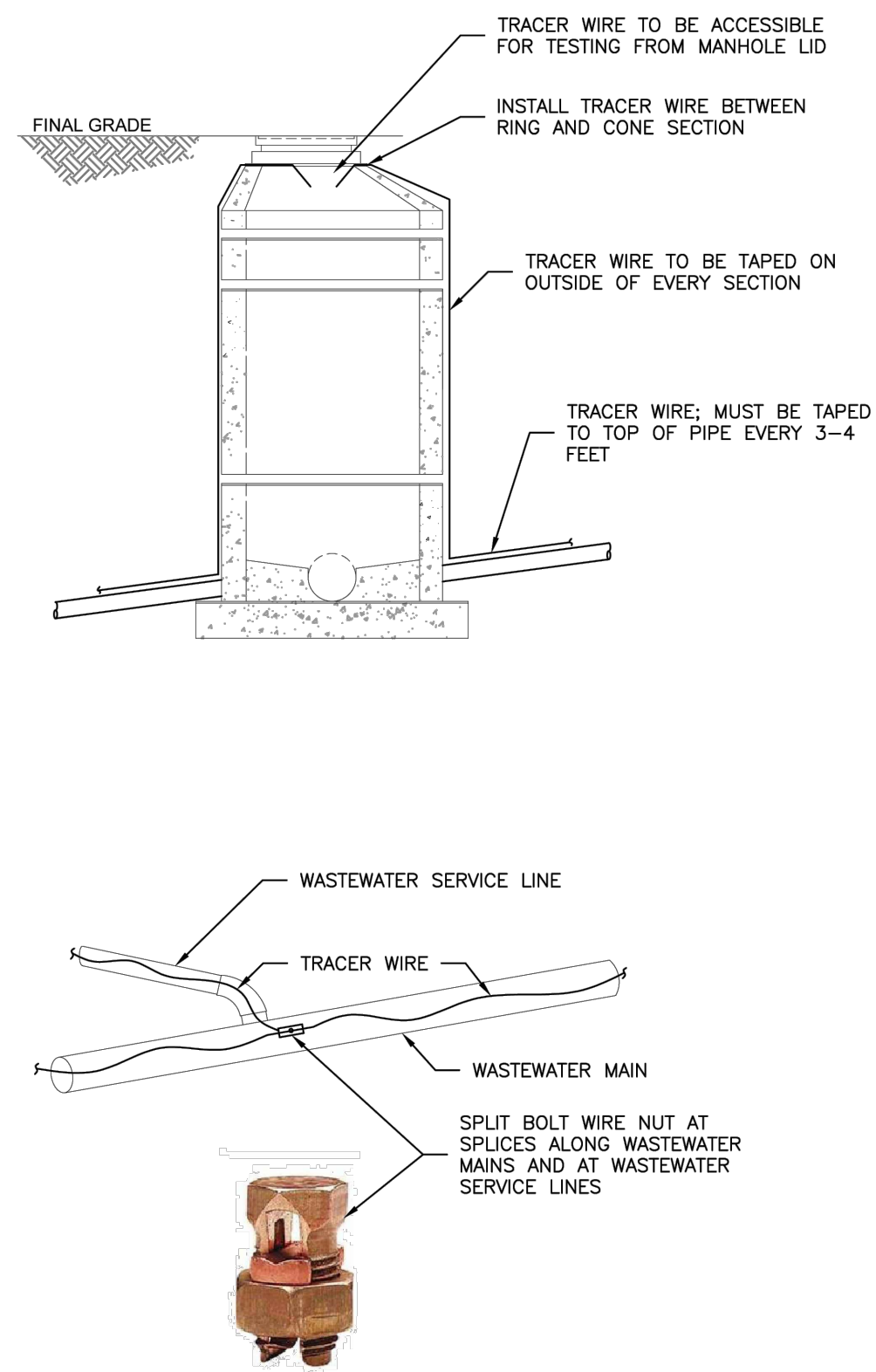
NOTE:
1. TRENCH BACKFILL SHALL CONFORM TO THE SPECIFICATIONS OF THE AUTHORITY HAVING JURISDICTION AND ASTM D2321.



TYPICAL TRENCH SECTION

C2-1

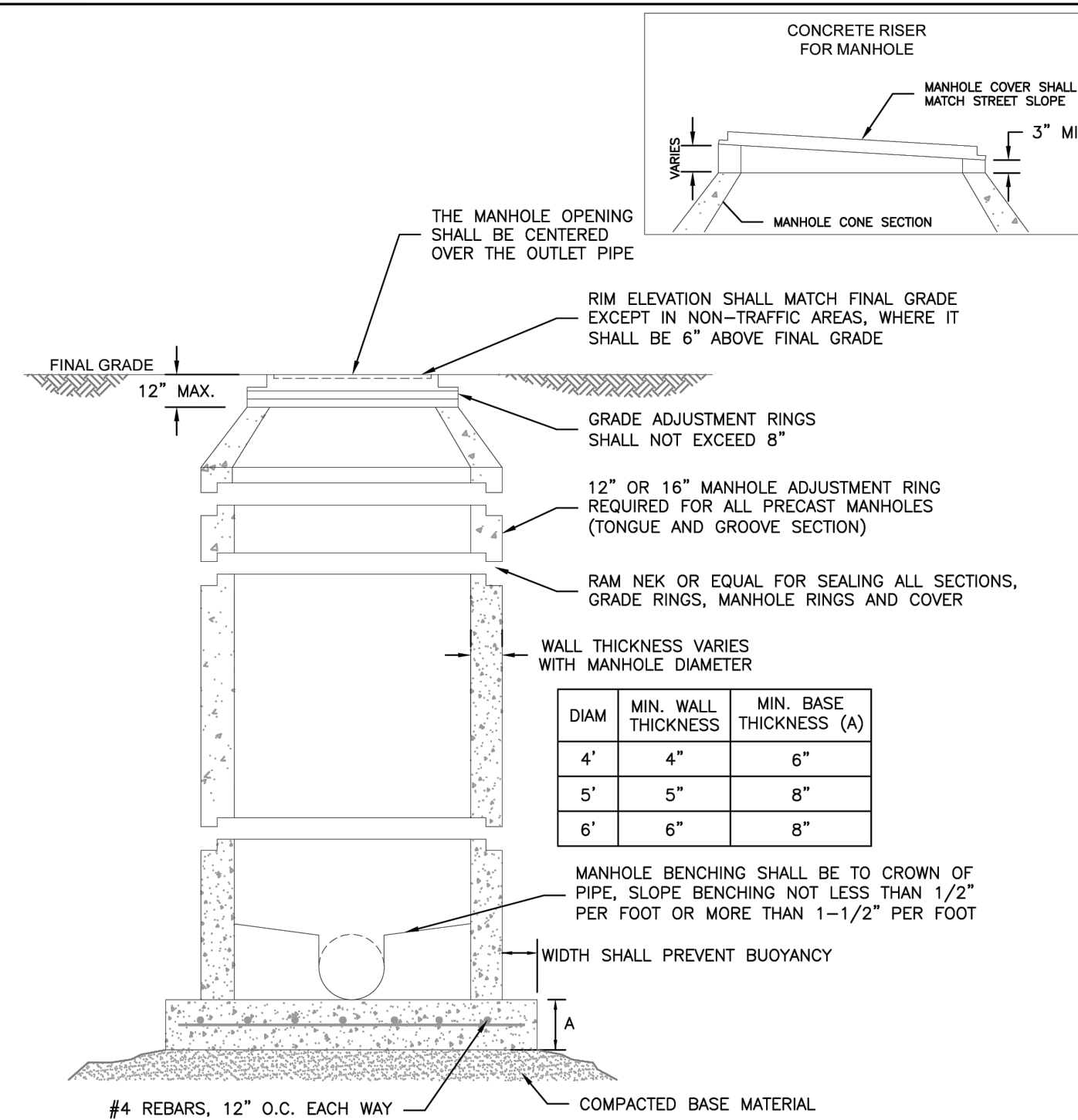
DATED: 5/2015



TRACER WIRE ON PVC OR HDPE PIPE

C2-3

DATED: 5/2015



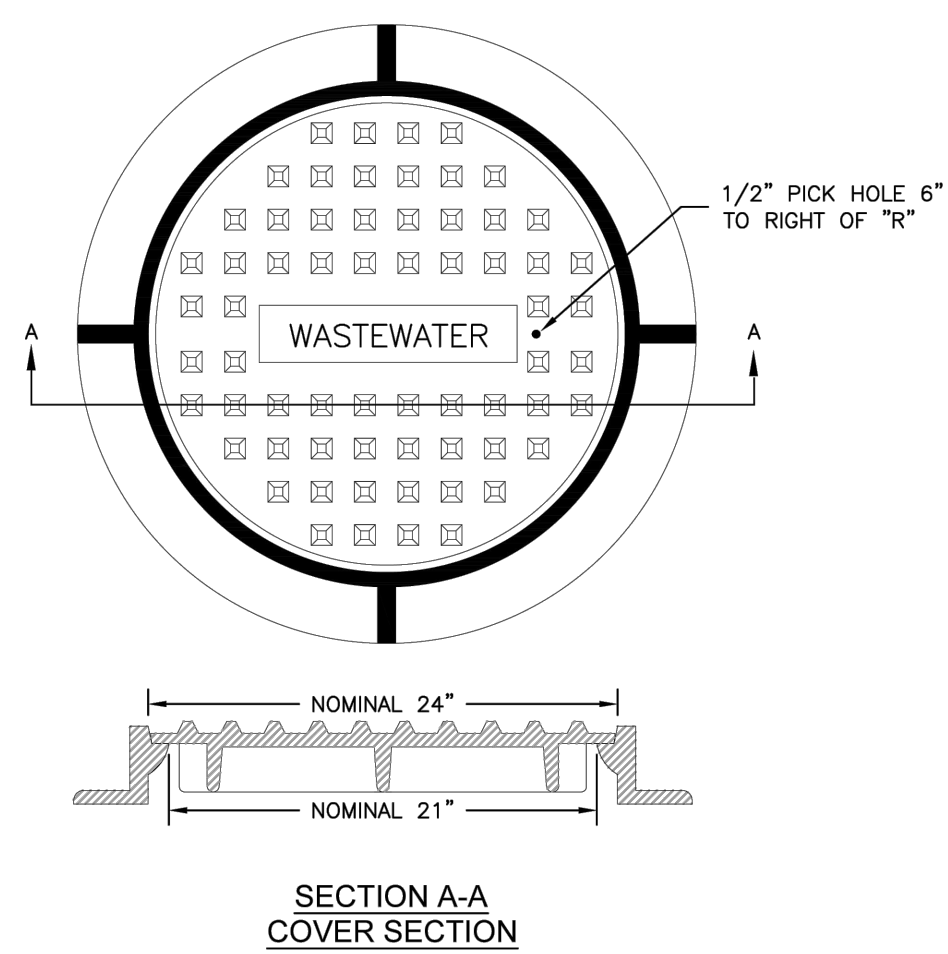
NOTES:
1. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF NOT LESS THAN 4000 PSI @ 28 DAYS AND DESIGNED FOR HS-20 LOADING CONDITIONS.
2. ALL CONCRETE SHALL BE MECHANICALLY VIBRATED.
3. FOR CAST IN PLACE MANHOLES, DO NOT DROP CONCRETE A DISTANCE OF MORE THAN 5' UNLESS APPROVED BY COLORADO SPRINGS UTILITIES.
4. 3/4" CRUSHED ROCK REQUIRED UNDER BASE TO A DEPTH OF 6" UP TO SPRINGLINE OF PIPE, 2'-3' RADIUS AROUND BASE.
5. ALL STEPS SHALL BE REMOVED FOLLOWING CONSTRUCTION.
6. STRUCTURAL REINFORCEMENT SHALL COMPLY TO ASTM C-478. ASTM C-478 SHALL BE STAMPED ON THE OUTSIDE OF THE MANHOLE.



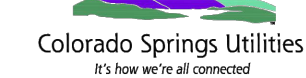
STANDARD CONCRETE MANHOLE

C3-1

DATED: 5/2015



NOTES:
1. SEE CHAPTER 4 FOR ADDITIONAL INFORMATION AND SPECIFIC DIMENSIONS.



STANDARD MANHOLE RING AND COVER IN TRAFFIC AREAS

C3-9

DATED: 5/2015



PREPARED FOR:
TURKEY CANON QUARRY INC
20 BOULDER CRESCENT STREET, SUITE 100
COLORADO SPRINGS, CO 80903
ATTN: JIM MORLEY
(719) 491-3024
#####

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, ALL TERRAIN ENGINEERING APPROVES THEIR USE ONLY FOR THE PURPOSES DESIGNATED BY WRITTEN AUTHORIZATION.

JOB NO: 24013 LOCATION: EPC

REV	DESCRIPTION	DATE

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE
DETAILS

DESIGN: NQJ
REVIEW: REB
DATE: 12/09/2024

H-SCALE: 1" = 30'

V-SCALE: 1" = 3'

SHEET

4 OF 4

MICHAEL G. VOLZEST, PE
560.919.1662 - MICHAEL@ALLTERRAINENGINEERING.COM
 AMY E. BARRIC, PE
719.577.8888 - AMY@ALLTERRAINENGINEERING.COM

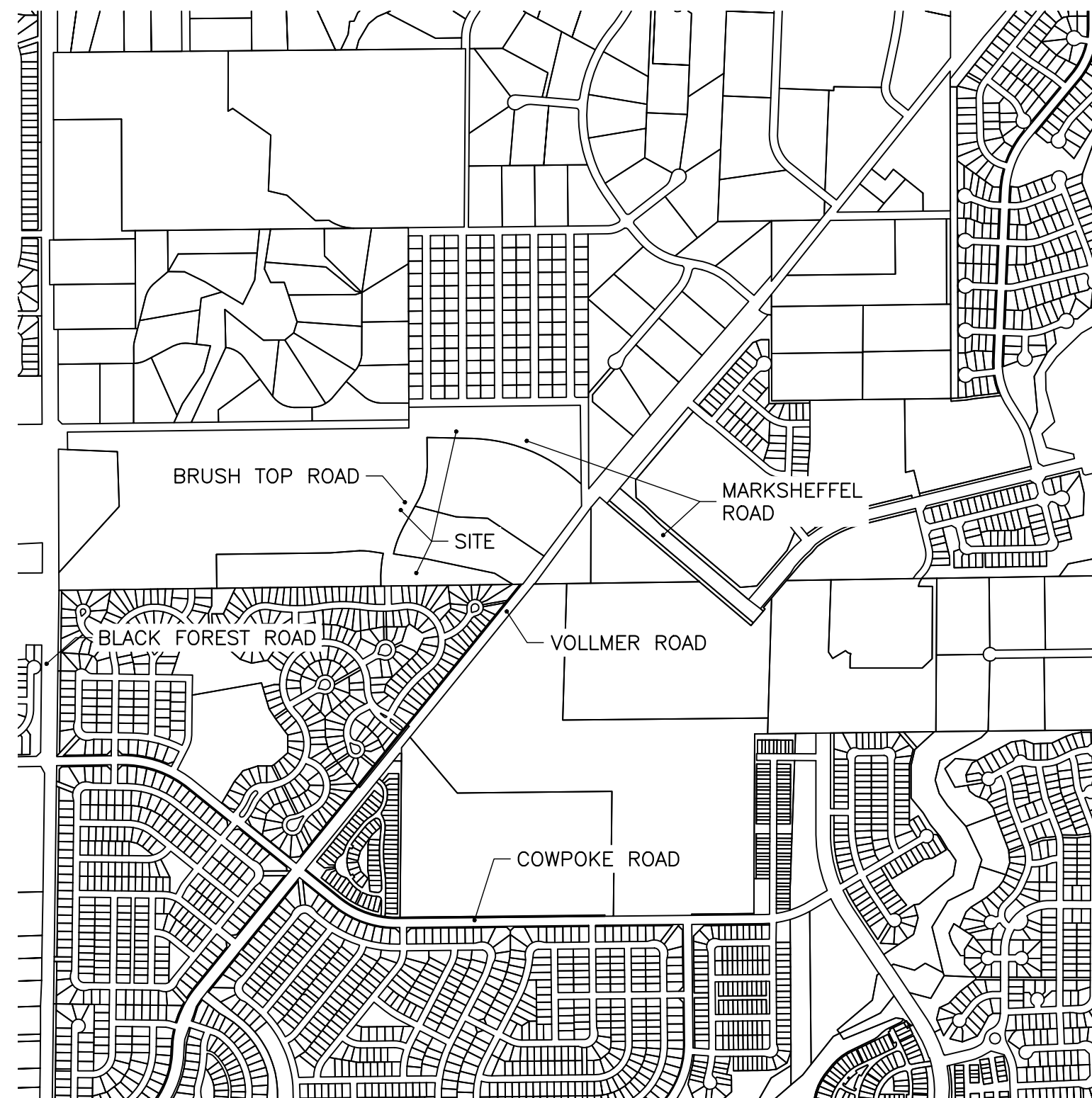
SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE

EL PASO COUNTY, COLORADO

WATER MAIN EXTENSION

GENERAL NOTES

1. ALL UTILITY CONSTRUCTION TO BE CONDUCTED IN CONFORMANCE WITH THE CURRENT STERLING RANCH METROPOLITAN DISTRICT (SRMD, THE DISTRICT) SPECIFICATIONS.
2. ALL PLANS ON THE JOB SITE SHALL BE SIGNED BY THE DISTRICT AND THE DISTRICT'S ENGINEER. ANY REVISION TO THE PLANS SHALL BE SO NOTED WITH THE OLD DRAWING MARKED NOT VALID.
3. ALL STATIONING IS CENTERLINE UNLESS OTHERWISE NOTED. ALL ELEVATIONS ARE CENTERLINE UNLESS OTHERWISE NOTED.
4. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE DISTRICT. THE DISTRICT RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
5. ALL WATER AND SEWER SERVICE LOCATIONS SHALL BE CLEARLY MARKED ON EITHER THE CURB HEAD OR THE FACE OF THE CURB, WITH AN "S" FOR SEWER AND A "W" FOR WATER.
6. DUCTILE IRON PIPES, INCLUDING FITTINGS, VALVES AND FIRE HYDRANTS, SHALL BE WRAPPED WITH POLYETHYLENE TUBING, DOUBLE BONDED AT EACH JOINT AND ELECTRICALLY ISOLATED. BONDING AND ANODE CONNECTIONS SHALL BE THOROUGHLY COATED WITH BITUMINOUS COATINGS.
7. ALL DUCTILE IRON PIPE LESS THAN 12 INCHES AND FITTINGS SHALL HAVE CATHODIC PROTECTION USING TWO NO. 6 WIRES WITH 17 LB MAGNESIUM ANODES EVERY 400 FEET AND 9 LB MAGNESIUM ANODES AT EACH FITTING. ALL DUCTILE IRON PIPE 12 INCHES AND GREATER AND FITTINGS SHALL HAVE CATHODIC PROTECTION USING TWO NO. 6 WIRES WITH 17 LB MAGNESIUM ANODES EVERY 300 FEET AND 9 LB MAGNESIUM ANODES AT EACH FITTING.
8. ALL PIPE MATERIAL, BACKFILL AND INSTALLATION SHALL CONFORM TO THE APPLICABLE SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS, COLORADO DEPARTMENT OF TRANSPORTATION, EL PASO COUNTY DEPARTMENT OF TRANSPORTATION, COLORADO SPRINGS UTILITIES AND THE GEOTECHNICAL ENGINEER.
9. COMPACTION TESTS SHALL BE 95% STANDARD PROCTOR AS DETERMINED BY ASTM D698, UNLESS OTHERWISE APPROVED BY THE DISTRICT OR HIGHER STANDARD AS IMPOSED BY ANOTHER AGENCIES HAVING RIGHT-OF-WAY JURISDICTION. THIS SHALL INCLUDE ALL VALVES, FIRE HYDRANT RUNS, WATER & SEWER SERVICE LINES AND MANHOLES. ALL REPORTS SHALL BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL.
10. THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. THE DISTRICT SHALL BE NOTIFIED OF ANY DEVIATIONS TO THE LINE AND/OR GRADE AS DEPICTED ON THE PLANS. CONTRACTOR SHALL SUBMIT TO THE DISTRICT AND THE ENGINEER OF RECORD A REPORT OF THE FIELD VERIFIED INFORMATION PRIOR TO THE START OF CONSTRUCTION.
11. ALL BENDS SHALL BE FIELD STAKED PRIOR TO THE START OF CONSTRUCTION.
12. BENDS, DEFLECTION & CUT PIPE LENGTHS SHALL BE USED TO HOLD HORIZONTAL ALIGNMENT OF SEWER AND WATER LINES TO NO MORE THAN 0.5' FROM THE DESIGNED ALIGNMENT. CONSTRUCTION STAKES TO BE AT 25' INTERVALS ALONG CURVES TO ASSURE LOCATION OF PIPE LINE CONSTRUCTION.
13. AT ALL LOCATIONS WHERE CAP AND STUB IS NOTED ON DRAWINGS, PROVIDE A PLUG AT THE END OF THE PIPE JOINT NEAREST THE SPECIFIED STATION. PROVIDE A REVERSE ANCHOR AT ALL WATER LINE PLUGS.
14. ALL UNUSED SALVAGED WATER UTILITY MATERIAL SHALL BE RETURNED TO THE METROPOLITAN DISTRICT AS REQUESTED.
15. AT THE CONTRACTOR'S EXPENSE, ALL UTILITY MAINS SHALL BE SUPPORTED AND PROTECTED SUCH THAT THEY SHALL FUNCTION CONTINUOUSLY DURING CONSTRUCTION OPERATIONS. SHOULD A UTILITY MAIN FAIL AS A RESULT OF THE CONTRACTOR'S OPERATION, IT SHALL BE REPLACED IMMEDIATELY BY THE CONTRACTOR OR BY THE DISTRICT AT FULL COST OF LABOR AND MATERIALS TO THE CONTRACTOR/DEVELOPER.
16. PUMPING OR BYPASS OPERATIONS SHALL BE REVIEWED AND APPROVED BY BOTH THE DISTRICT AND THE DISTRICT ENGINEER PRIOR TO EXECUTION.
17. THE CONTRACTOR SHALL REPLACE OR REPAIR DAMAGE TO ALL SURFACE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO FENCES, LANDSCAPING, CURB AND GUTTER AND/OR ASPHALT THAT MAY BE CAUSED DURING CONSTRUCTION.
18. ALL CONTRACTORS WORKING ON OR NEAR A WATER OR SEWER FACILITY (TO INCLUDE SERVICE LINE) SHALL HAVE LIABILITY INSURANCE NAMING THE DISTRICT AS AN ADDITIONAL INSURED AND SHALL PROVIDE A CURRENT COPY OF WORKERS COMPENSATION INSURANCE ON FILE WITH THE DISTRICT. NO WORK CAN PROCEED WITHOUT CURRENT CERTIFICATES ON FILE AT THE DISTRICTS' OFFICE.
19. THE CONTRACTOR SHALL NOTIFY THE DISTRICT AND ALL AFFECTED UTILITY COMPANIES ADJACENT TO THE PROPOSED UTILITY CONSTRUCTION A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF CONSTRUCTION. A WEEKLY CONSTRUCTION MEETING SHALL BE REQUIRED WITH THE CONTRACTOR, DISTRICT ENGINEER AND ALL OTHER PARTIES AS DEEMED NECESSARY BY THE DISTRICT.
20. COMMENCEMENT OF CONSTRUCTION OF WATER/SEWER SYSTEMS WITHIN THE METROPOLITAN DISTRICT:
 - a. PRIOR TO THE START OF CONSTRUCTION, A PRE-CONSTRUCTION MEETING IS REQUIRED A MINIMUM OF 48 HOURS IN ADVANCE OF COMMENCEMENT OF WORK. A REPRESENTATIVE OF THE OWNER OR DEVELOPER, A REPRESENTATIVE OF THE CONTRACTOR AND DESIGN ENGINEER ARE REQUIRED TO ATTEND. CONTACT THE DISTRICT TO SCHEDULE THE PRE-CONSTRUCTION MEETING. NO PRE-CONSTRUCTION MEETING CAN BE SCHEDULED PRIOR TO FOUR (4) SIGNED/ APPROVED PLAN SETS ARE RECEIVED BY THE DISTRICT.
 - b. THE CONTRACTOR IS REQUIRED TO NOTIFY THE DISTRICT A MINIMUM OF 48 HOURS AND A MAXIMUM OF 2 WEEKS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO NOTIFY AFFECTED UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION ADJACENT TO THE KNOWN UTILITY LINES.
21. TESTING OF FACILITIES:
 - a. THE CONTRACTOR SHALL NOTIFY THE DISTRICT A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF ANY TESTING.
 - b. ALL SECTIONS OF WATER LINE ARE TO MEET THE FOLLOWING PRESSURE TESTING REQUIREMENTS:
 - TEST 100% OF ALL LINES
 - MUST PASS PRESSURE TEST TO 200 PSI FOR TWO HOURS (UNLESS OTHERWISE APPROVED ON THE PLANS).
 - c. ALL SANITARY SEWER FACILITIES ARE TO MEET THE FOLLOWING TESTING REQUIREMENTS
 - ALL LINES SHALL BE JET CLEANED PRIOR TO VACUUM OR PRESSURE TESTING
 - ALL MANHOLES SHALL BE VACUUM TESTED WITH DISTRICT STAFF PRESENT PRIOR TO CCTV INSPECTION.
 - SEWER MAINS TO BE PRESSURE TEST PRIOR TO CCTV INSPECTION
 - ALL LINES SHALL BE CCTV INSPECTED AND VIDEO SHALL TO BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL.
22. PRELIMINARY ACCEPTANCE SHALL BE DEFINED AS THE POINT IN TIME THAT THE DISTRICT ACCEPTS THE FACILITY FOR USE. ALL SURFACE IMPROVEMENTS AND RESTORATION SHALL BE COMPLETED WITHIN 30 DAYS OF COMMENCEMENT. SHOULD THE CONTRACTOR FAIL TO COMPLETE ALL SURFACE IMPROVEMENTS AND RESTORATION WITHIN 30 DAYS OF COMMENCEMENT OF SERVICE, THE DISTRICT, AT THEIR DISCRETION, MAY ELECT TO COMPLETE THE IMPROVEMENTS AT THE CONTRACTORS COST.
23. FINAL ACCEPTANCE BY THE DISTRICT OF ANY LINE OR SYSTEM SHALL NOT OCCUR UNTIL COMPLETION OF FINAL ASPHALT LAYERS AND/OR FINAL COMPLETION AND/OR RESTORATION OF ALL SURFACE IMPROVEMENTS. THE WARRANTY PERIOD FOR ALL FACILITIES PRIOR TO FINAL ACCEPTANCE SHALL BE 24 MONTHS COMMENCING AFTER PRELIMINARY ACCEPTANCE.
24. ACCEPTANCE:
 - a. THE DISTRICT MAY GIVE PRELIMINARY ACCEPTANCE ONCE ALL OF THE TESTS ON ALL THE LINES HAVE BEEN COMPLETED AND A WALK-THRU HAS OCCURRED.
 - b. A SECOND ACCEPTANCE MAY OCCUR ONCE FIRST LIFT OF ASPHALT GOES DOWN AND A SECOND WALK-THRU OF THE SYSTEM OCCURS. IF ALL FACILITIES ARE CLEAN AND ACCESSIBLE, A FINAL ACCEPTANCE MAY OCCUR (THE DISTRICT MAY REQUIRE CLEANING AND RE-VIDEO OF THE SYSTEM, DEPENDING ON THE SEVERITY OF THE CONTAMINATION).
25. ALL WATER AND SEWER MAINS, INCLUDING SERVICE LINES, SHALL HAVE "AS-BUILT" DRAWINGS PREPARED AND APPROVED PRIOR TO PRELIMINARY ACCEPTANCE BY THE DISTRICT.
26. ALL COMMERCIAL/BUSINESS DEVELOPMENTS SHALL HAVE AN EIGHT INCH (MIN.) WATER MAIN LOOPED THROUGH THE PROPOSED PROPERTY WITH GATE VALVES LOCATED WHERE THE MAIN ENTERS THE PROPERTY LINE. AN EIGHT INCH SEWER MAIN SHALL BE INSTALLED FOR SERVICE TO COMMERCIAL/BUSINESS DEVELOPMENTS, AND A MANHOLE SHALL BE LOCATED WHERE THE MAIN ENTERS THE PROPERTY. THE END OF THE MAINS SHALL BE MARKED WITH THE APPROPRIATE COLORED CARSONITE MARKER ALONG WITH TRACER WIRE.
27. AFTER REVIEW AND APPROVAL OF PLANS FOR THE EXTENSION OF LINES, FACILITIES AND/OR SERVICES, CONSTRUCTION MUST BE COMMENCED WITHIN 18 MONTHS FOR RESIDENTIAL SUBDIVISIONS AND 12 MONTHS FOR ANY COMMERCIAL INSTALLATIONS.
28. INSPECTION FEES: CALL THE DISTRICT (719-495-2500) FOR FEE SCHEDULE.



VICINITY MAP
SCALE: 1"=1,000'

BASIS OF BEARINGS

THE NORTH LINE OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 5, TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, BEING MONUMENTED AT THE NORTHEAST CORNER OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 5, BY A 3-1/4" ALUMINUM CAP STAMPED "LS 10376" AND AT THE NORTH QUARTER CORNER BY A 3-1/4" ALUMINUM CAP STAMPED "LS 4842 1996", BEARING S89°14'13"W.

BENCHMARKS

1. THE TOP OF AN ALUMINUM SURVEYORS CAP, STAMPED "9853", AT THE SOUTHEAST BOUNDARY CORNER OF BARBARICK SUBDIVISION
NORTHING = 411416.273
EASTING = 235167.071
ELEVATION = 7023.42
2. THE TOP OF A RED PLASTIC SURVEYORS CAP, ILLEGIBLE, AT THE NORTHWEST BOUNDARY CORNER OF PANWEE RANCHEROS SUBDIVISION
NORTHING = 410095.404
EASTING = 235052.131
ELEVATION = 7000.40
3. THE TOP OF A RED PLASTIC SURVEYORS CAP, STAMPED "38141", AT THE SOUTHWEST BOUNDARY CORNER OF BARBARICK SUBDIVISION
NORTHING = 411399.962
EASTING = 233849.817
ELEVATION = 7030.82

WATER SYSTEM INSTALLATION NOTES

1. ALL WATER AND FORCE MAIN PIPE SHALL BE AWWA C900 PVC, OR EQUAL, PRESSURE CLASS 200. ALL WATER AND FORCE MAIN FITTINGS SHALL HAVE MECHANICAL RESTRAINS AND THRUST BLOCKS. ALL WATER AND FORCE MAIN PIPE SHALL HAVE A MINIMUM COVER DEPTH OF FIVE AND ONE-HALF (5.5) FEET.
2. ALL WATER VALVES ASSOCIATED WITH THE POTABLE WATER SYSTEM SHALL BE OPEN CLOCKWISE. ALL VALVES INSTALLED IN LANDSCAPED AREAS AND/OR NOT WITHIN PAVED STREETS SHALL BE MARKED WITH CARSONITE MARKERS. ALL VALVES ASSOCIATED WITH THE RAW WATER SYSTEM SHALL BE OPEN COUNTERCLOCKWISE AND MARKED WITH CARSONITE MARKERS AS APPLICABLE.
3. THE DEVELOPER OR HIS ENGINEER SHALL LOCATE ALL FIRE HYDRANTS AND SERVICE STUB-OUTS FOR FUTURE DEVELOPMENT. ANY REQUIRED REALIGNMENT, (HORIZONTAL OR VERTICAL), SHALL BE AT THE EXPENSE OF THE DEVELOPER. FIRE HYDRANT LOCATION SHALL BE REVIEWED AND APPROVED BY THE APPLICABLE FIRE AUTHORITY.
4. FIRE HYDRANTS SHALL BE OPEN RIGHT WITH 7/8" x 7/8" SQUARE TAPERED ALONG WITH SERVICE CAPS. LUBRICATION TYPE: (GREASE). ACCEPTABLE BRANDS ARE AMERICAN AVK SERIES 2700 (MODERN) AND MUELLER SUPER CENTURION 250.
5. ALL MAIN LINES (PVC & DUCTILE IRON) SHALL BE INSTALLED WITH COATED #12 TRACER WIRE WITH TEST STATIONS AT INTERVALS NO GREATER THAN 500 FT (VALVE BOXES CAN BE USED AT INTERSECTIONS AND SERVICE STUBS).
6. CONTRACTOR SHALL MAKE CONNECTIONS TO EXISTING WATER LINE WITHOUT SHUTDOWN, OR ELSE NOTIFY THE DISTRICT OF ANY SERVICE SHUTDOWNS NECESSARY TO CONNECT TO EXISTING LINES.
7. IRRIGATION SERVICES SHALL HAVE A STOP AND WASTE CURB STOP VALVE INSTALLED ALONG WITH TRACER WIRE EXTENDING BACK TO THE MAIN LINE.
8. COMMENCEMENT OF USE OF WATER LINES AND/OR SYSTEMS:
 - a. NO WATER FACILITY SHALL BE PLACED IN SERVICE UNTIL AFTER THE COMPLETION OF ALL PRESSURE TESTING, FLUSHING, BAC-T TESTING, COMPACTION TESTING, AND AS-BUILT DRAWINGS ARE SUBMITTED AND APPROVED BY THE DISTRICT.
 - b. NO WATER FACILITY SHALL BE PLACED IN SERVICE UNTIL ALL SERVICE LINES ARE COMPLETED AND THE FIRST LIFT OF ASPHALT IS COMPLETED OVER THE LINE. IN THE CASE WHERE NO ASPHALT IS TO BE PLACED OVER THE LINE, SURFACE IMPROVEMENTS SHALL BE COMPLETED PRIOR TO USE OF THE FACILITY.
 - c. ALL EASEMENTS (PLATTED OR DEEDED) ARE DEDICATED, EXECUTED BY THE DISTRICT, AND RECORDED.

AGENCIES

OWNER/DEVELOPER:	TURKEY CANON QUARRY, LLC 20 BOULDER CRESCENT, SUITE 201 COLORADO SPRINGS, CO 80903 JAMES F. MORLEY (719) 471-1742	WATER RESOURCES:	STERLING RANCH METRO DISTRICT ENGINEERS JDS-HYDRO CONSULTANTS 545 E. PIKES PEAK AVE., SUITE 300 COLORADO SPRINGS, CO 80903 JOHN MCGINN (719) 668-8769
CIVIL ENGINEER:	ALL TERRAIN ENGINEERING LLC 1004 WEST VAN BUREN STREET COLORADO SPRINGS, CO 80907 RYAN BURNS P.E.	FIRE DISTRICT:	BLACK FOREST FIRE PROTECTION DISTRICT 11445 TEACHOUT ROAD COLORADO SPRINGS, CO 80908 CHIEF BRYAN JACK (719) 495-4300
COUNTY ENGINEERING:	EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT 2680 INTERNATIONAL CIRCLE, SUITE 110 COLORADO SPRINGS, CO 80910 JEFF RICE, P.E. (719) 520-6300	GAS DEPARTMENT:	COLORADO SPRINGS UTILITIES 7710 DURANT DR. COLORADO SPRINGS, CO 80947 TIM WENDT (719) 668-3556
TRAFFIC ENGINEERING:	EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS 3275 AKERS DRIVE COLORADO SPRINGS, CO 80922 JENNIFER IRVINE, P.E. (719) 520-6460	ELECTRIC DEPARTMENT:	MOUNTAIN VIEW ELECTRIC 11140 E. WOODMEN ROAD FALCON, CO 80831 (719) 495-2283

SHEET INDEX

1	COVER
2	LEGEND
3	WATER MAIN EXTENSION
4	DETAILS
4	TOTAL SHEETS

EL PASO COUNTY STATEMENT

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

JOSHUA PALMER, P.E. _____ DATE _____

COUNTY ENGINEER/ECM ADMINISTRATOR

WATER & SEWER MAIN EXTENSIONS

ANY CHANGES OR ALTERATIONS AFFECTING THE GRADE, ALIGNMENT, ELEVATION AND/OR DEPTH OF COVER OF ANY WATER OR SEWER MAINS OR OTHER APPURTENANCE SHOWN ON THIS DRAWING SHALL BE THE RESPONSIBILITY OF THE OWNER/DEVELOPER. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR ALL OPERATIONAL DAMAGES AND DEFECTS IN INSTALLATION AND MATERIAL FOR MAINS AND SERVICES FROM THE DATE OF APPROVAL UNTIL FINAL ACCEPTANCE IS ISSUED.

SIGNED _____ DATE _____
JAMES F. MORLEY

SR LAND, LLC
20 BOULDER CRESCENT, SUITE 201
COLORADO SPRINGS, CO 80903
(719) 471-1742

FAWWA AUTHORITY ENGINEER

THESE CONSTRUCTION DOCUMENTS HAVE BEEN REVIEWED AND APPROVED FOR THE SANITARY SEWER, WATER MAIN AND ASSOCIATED UTILITY SERVICE CONSTRUCTION. RESPONSIBILITY FOR COMPLETENESS AND ACCURACY REMAINS WITH THE DESIGN ENGINEER.

SIGNED _____ DATE _____
FAWWA ENGINEER

FIRE AUTHORITY APPROVAL

THE NUMBER OF FIRE HYDRANTS AND HYDRANT LOCATIONS SHOWN ON THIS WATER INSTALLATION PLAN ARE CORRECT AND ADEQUATE TO SATISFY THE FIRE PROTECTION REQUIREMENTS AS SPECIFIED BY THE FIRE DISTRICT SERVING THE PROPERTY NOTED ON THE PLANS.

FIRE PROTECTION DISTRICT _____

SIGNED _____ DATE _____
FIRE PROTECTION DISTRICT

ENGINEER'S STATEMENT

THIS WATER SYSTEM PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR WASTEWATER SYSTEM PLANS. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS PLANS.

MIKE A. BRAMLETT, P.E. _____ DATE _____
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING, LLC

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PCD FILING NO.:



ALL TERRAIN ENGINEERING, LLC
20 BOULDER CRESCENT, SUITE 201
COLORADO SPRINGS, CO 80903
(719) 471-1742

PREPARED FOR:
TURKEY CANON QUARRY, INC.
20 BOULDER CRESCENT, SUITE 201
COLORADO SPRINGS, CO 80903
ATTN: JIM MORLEY
(719) 491-3024
JMORLEY3870@AOL.COM

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DATE

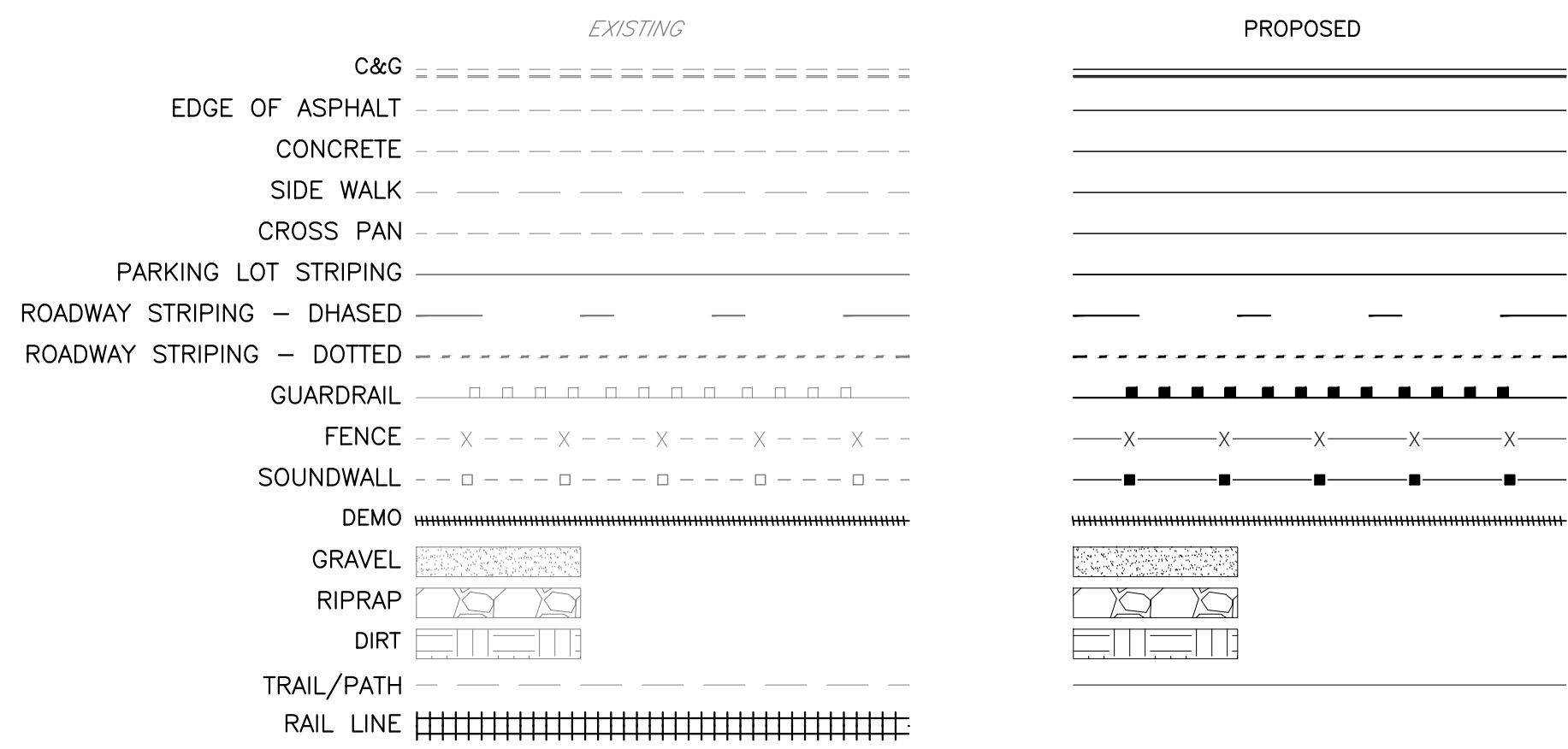
SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE

DESIGN: REB
REVIEW: NOJ
DATE: 12/09/2024
H-SCALE: 1" = 1000'
V-SCALE: N/A
SHEET
1 OF 5

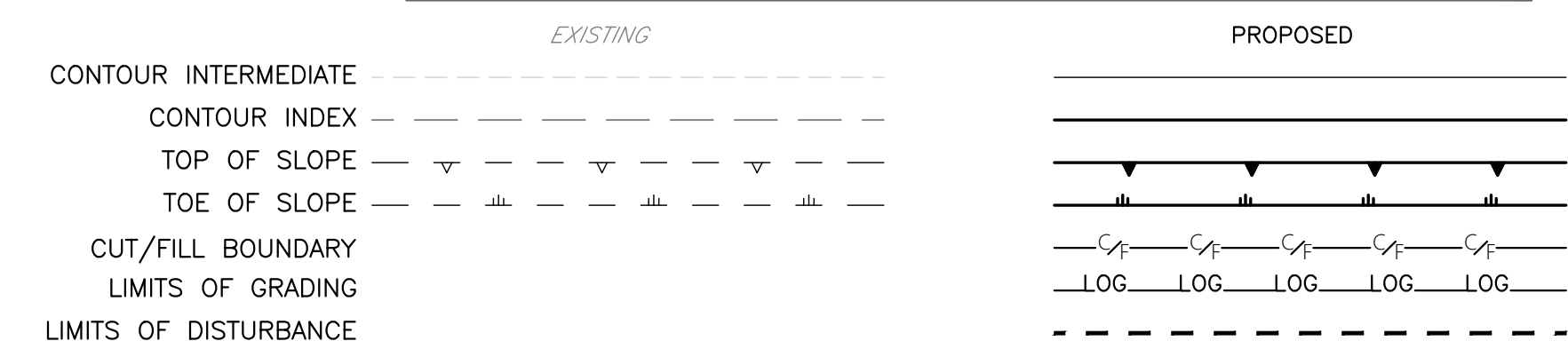
PLANOMETRICS



CONSTRUCTION



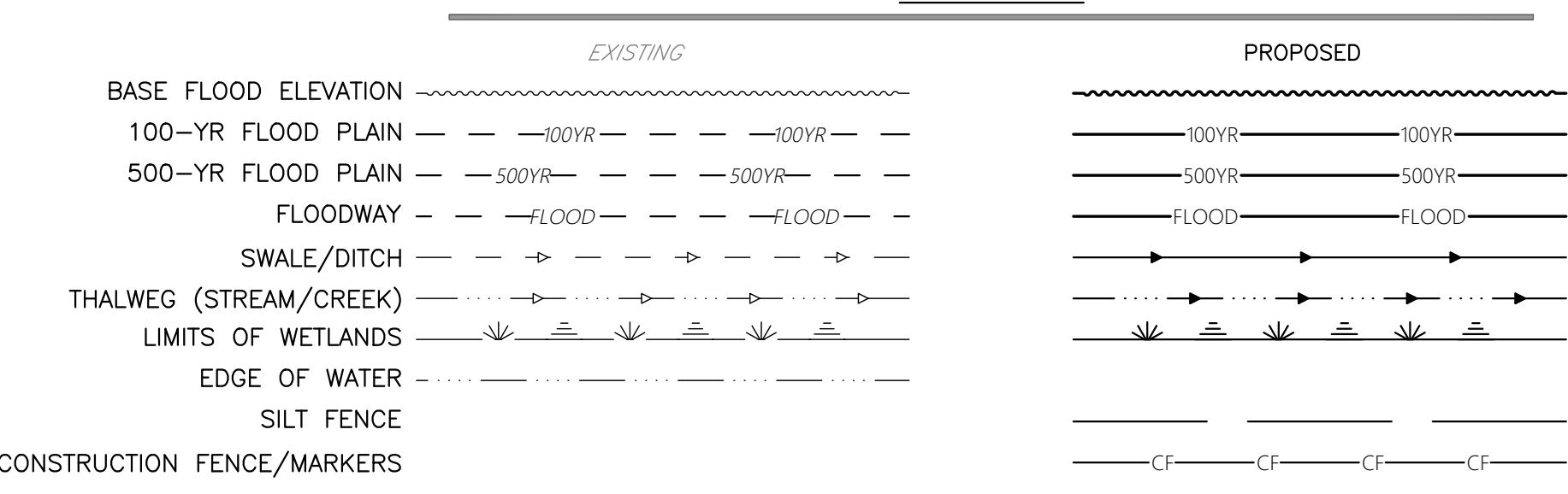
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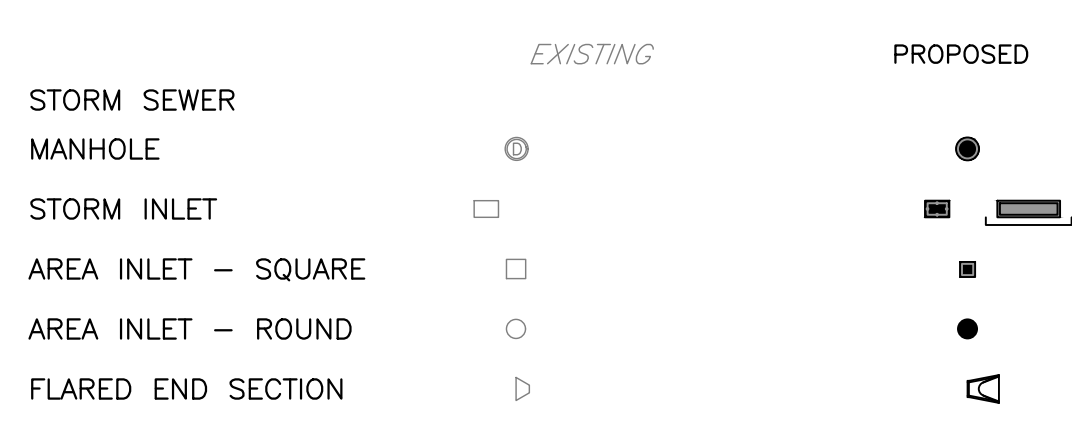
UTILITIES



DRAINAGE



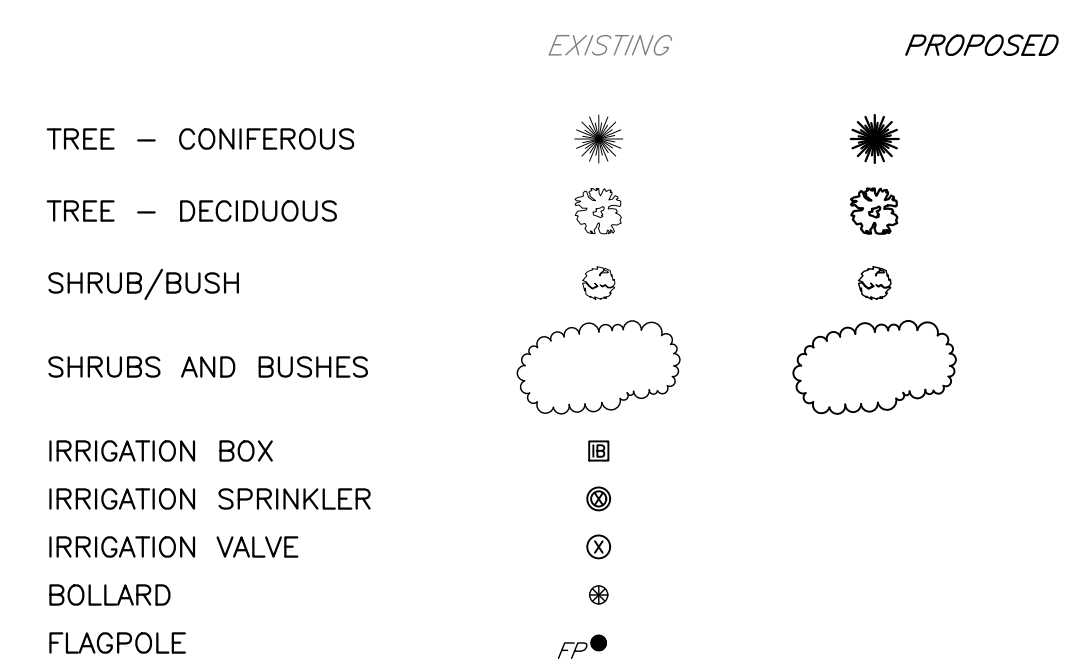
UTILITY SYMBOLS



TRAFFIC



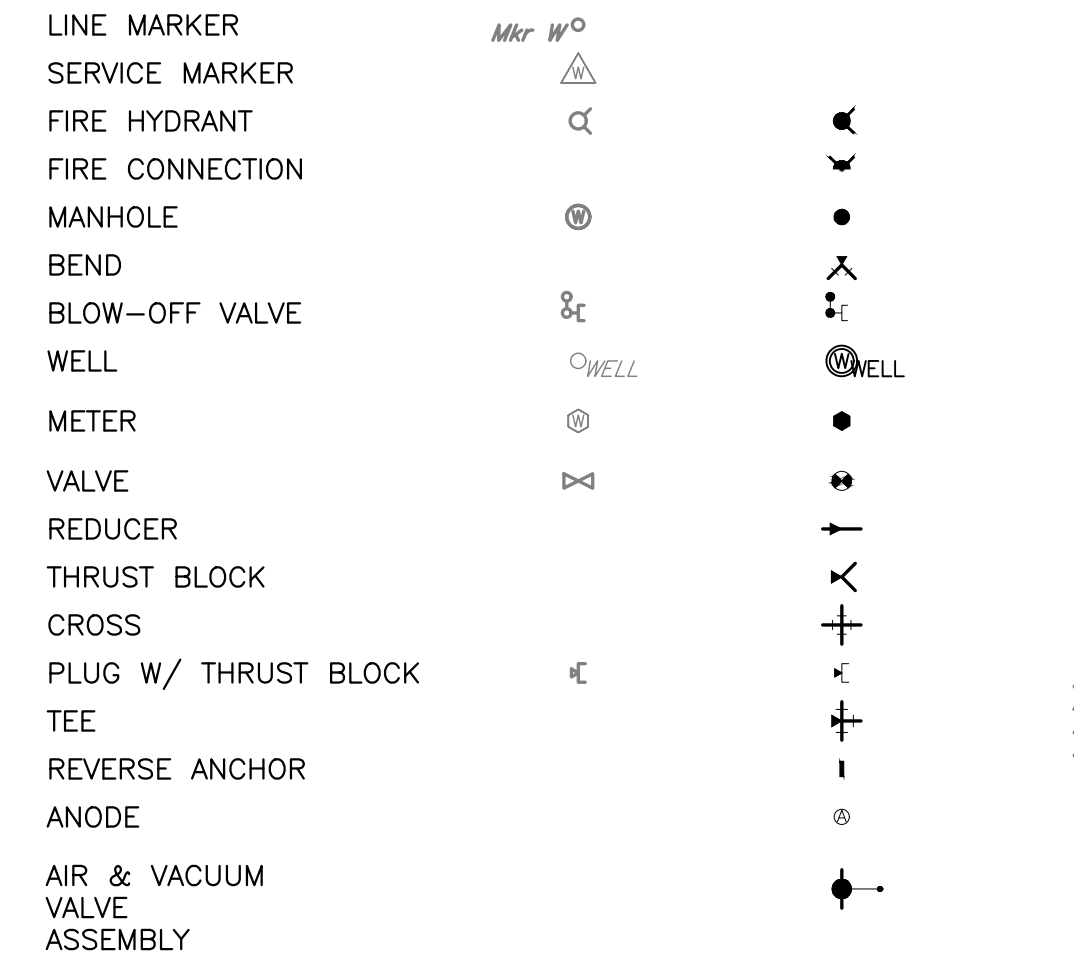
LANDSCAPE



UTILITY SYMBOLS



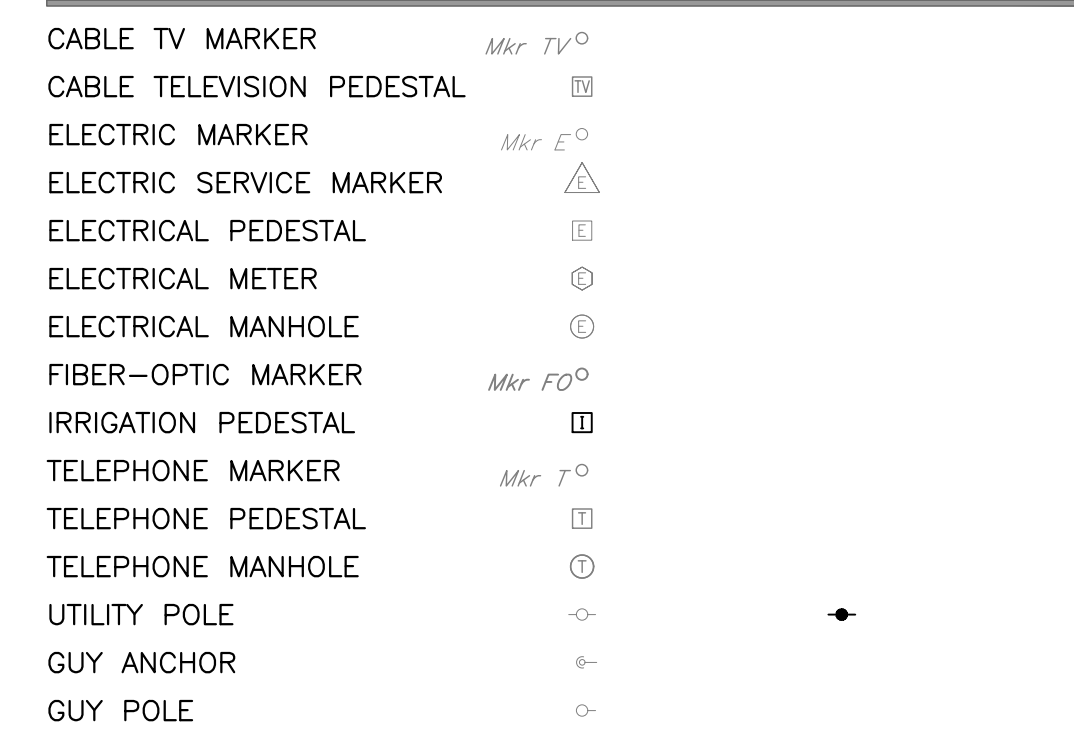
WATER



GAS



DRY UTILITIES



MISC. UTILITIES



ABBREVIATIONS:

- | | |
|--|--|
| ASCE - AMERICAN SOCIETY OF CIVIL ENGINEERS | OH - OVERHEAD |
| BLDG - BUILDING | PB - PUBLIC |
| BW - BOTTOM OF WALL | PC - POINT OF CURVATURE |
| CG - CURB AND GUTTER | PCC - POINT OF COMPOUND CURVATURE |
| CIP - CAST IRON PIPE | PCR - POINT OF CURB RETURN |
| CL - CENTERLINE | PR - PROPOSED |
| CMP - CORRUGATED METAL PIPE | PRC - POINT OF REVERSE CURVATURE |
| CONC - CONCRETE | PVC - POLYVINYL CHLORIDE PIPE |
| DIP - DUCTILE IRON PIPE | PVT - PRIVATE |
| DS - DOWNSPOUT | PT - POINT OF TANGENCY |
| EL - ELEVATION | P.U.E - PUBLIC UTILITY EASEMENT |
| ESMT - EASEMENT | P.U.A.E - PUBLIC UTILITY & ACCESS EASEMENT |
| EX - EXISTING | P.U.D.E - PUBLIC UTILITY & DRAINAGE EASEMENT |
| FES - FLARED END SECTION | P.I.E - PUBLIC IMPROVEMENT EASEMENT |
| FL - FLOWLINE | R - RADIUS |
| GB - GRADE BREAK | RIM - RIM ELEVATION |
| HP - HIGH POINT | STM - STORM |
| HYD - HYDRANT | TBC - TOP BACK OF CURB |
| INV - INVERT ELEVATION | TW - TOP OF WALL |
| LF - LINEAR FEET | TYP - TYPICAL |
| LP - LOW POINT | UD - UNDERDRAIN |
| MH - MANHOLE | UT - UTILITY |
| MIN - MINIMUM | WTR - WATER |
| | XPAN - CROSSSPAN |



Know what's below.
Call before you dig.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

PREPARED FOR:
TURKEY CANON QUARRY INC
20 BOULDER CRESCENT STREET, SUITE 100
COLORADO SPRINGS, CO 80903
ATTN: JIM MORLEY
(719) 491-3024
JMORLEY3870@AOL.COM

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, ALL TERRAIN ENGINEERING APPROVES THEIR USE ONLY FOR THE PURPOSES DESIGNATED BY WRITTEN AUTHORIZATION.

JOB NO. 24013	LOCATION: EPC
REV	DATE

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE

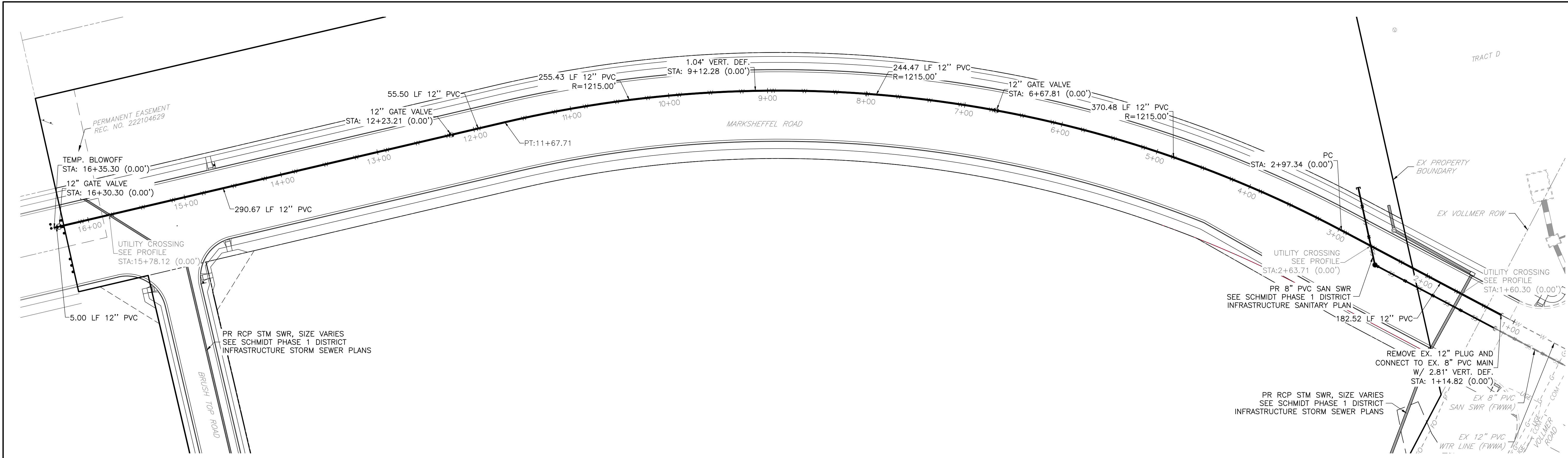
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DESIGN: REB
REVIEW: NOJ
DATE: 12/09/2024

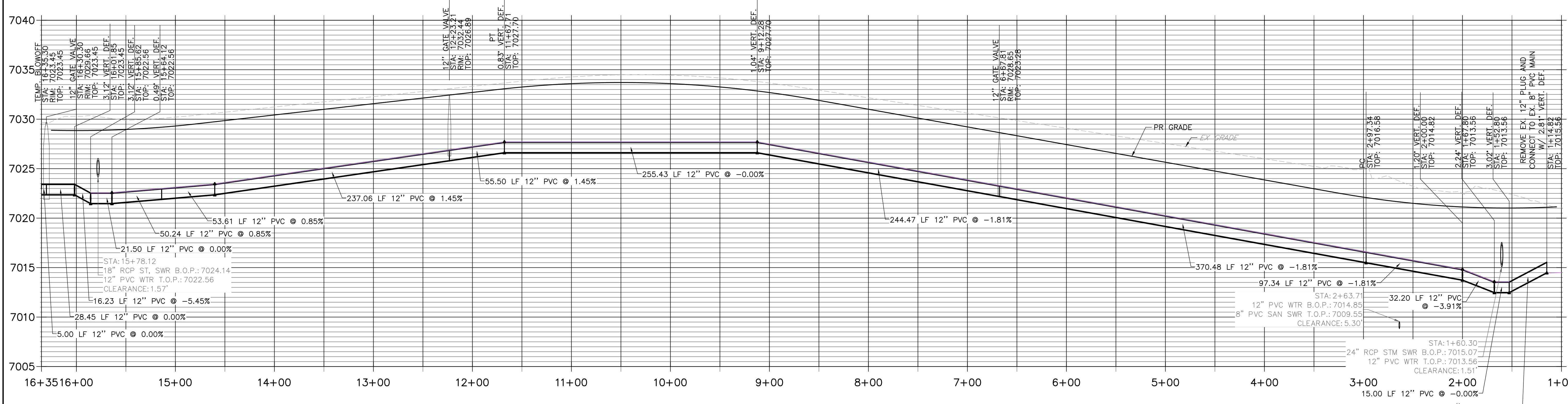
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V-SCALE: N/A

SHEET

2 OF 5

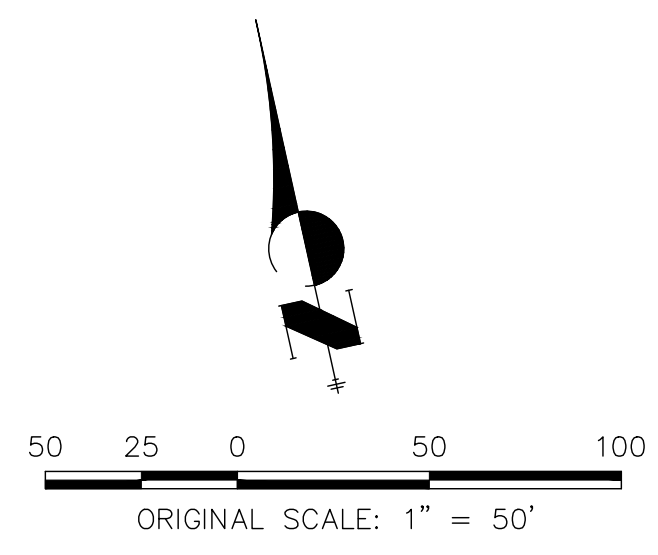


**ALIGNMENT WP01
STA 1+00.00 TO 16+35.30**



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ENGINEER'S STATEMENT

THIS WASTEWATER SYSTEM PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR WASTEWATER SYSTEM PLANS. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS PLANS.

RYAN E. BURNS P.E.
COLORADO P.E. 54412
FOR AND ON BEHALF OF ALL TERRAIN ENGINEERING LLC

DATE _____



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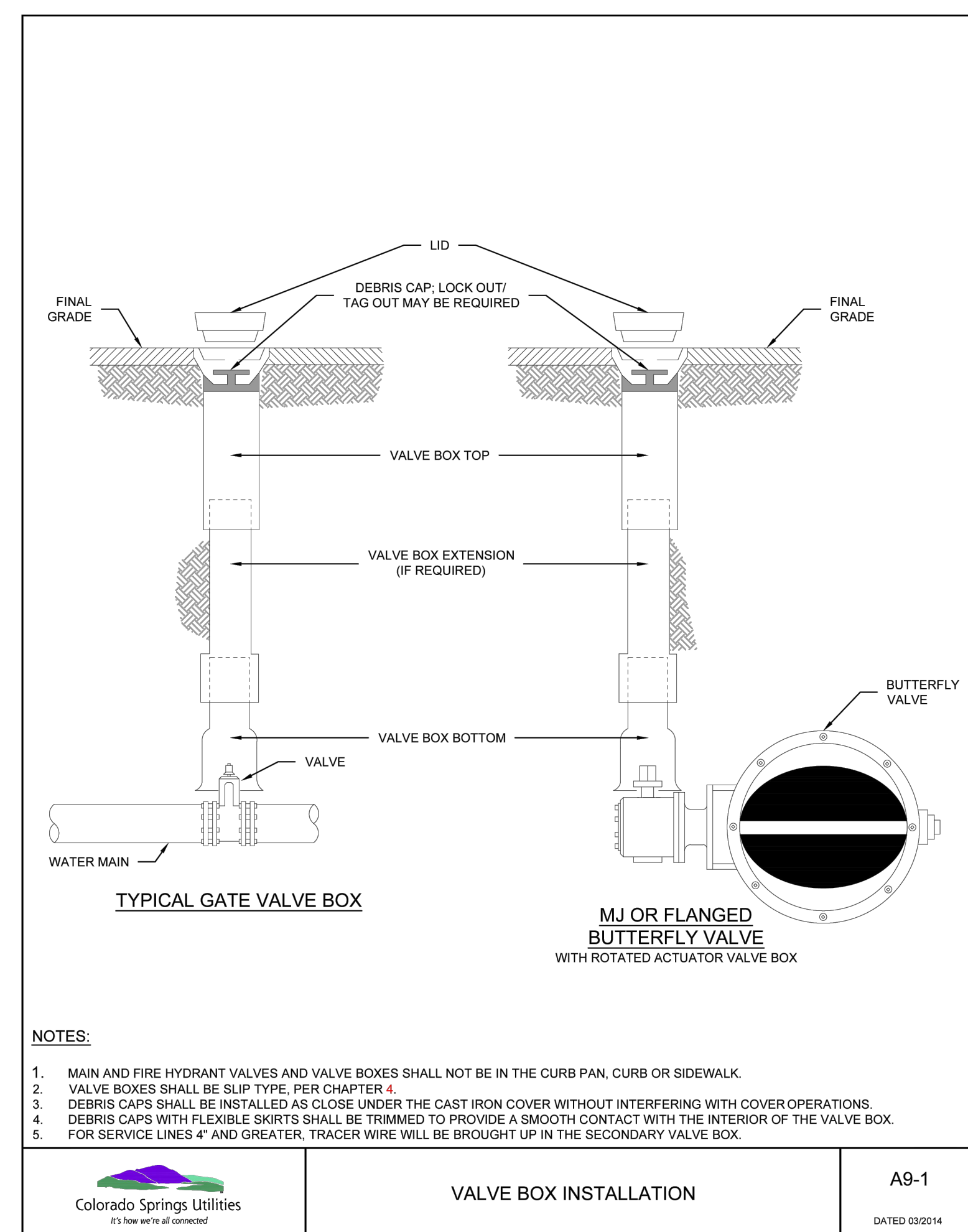
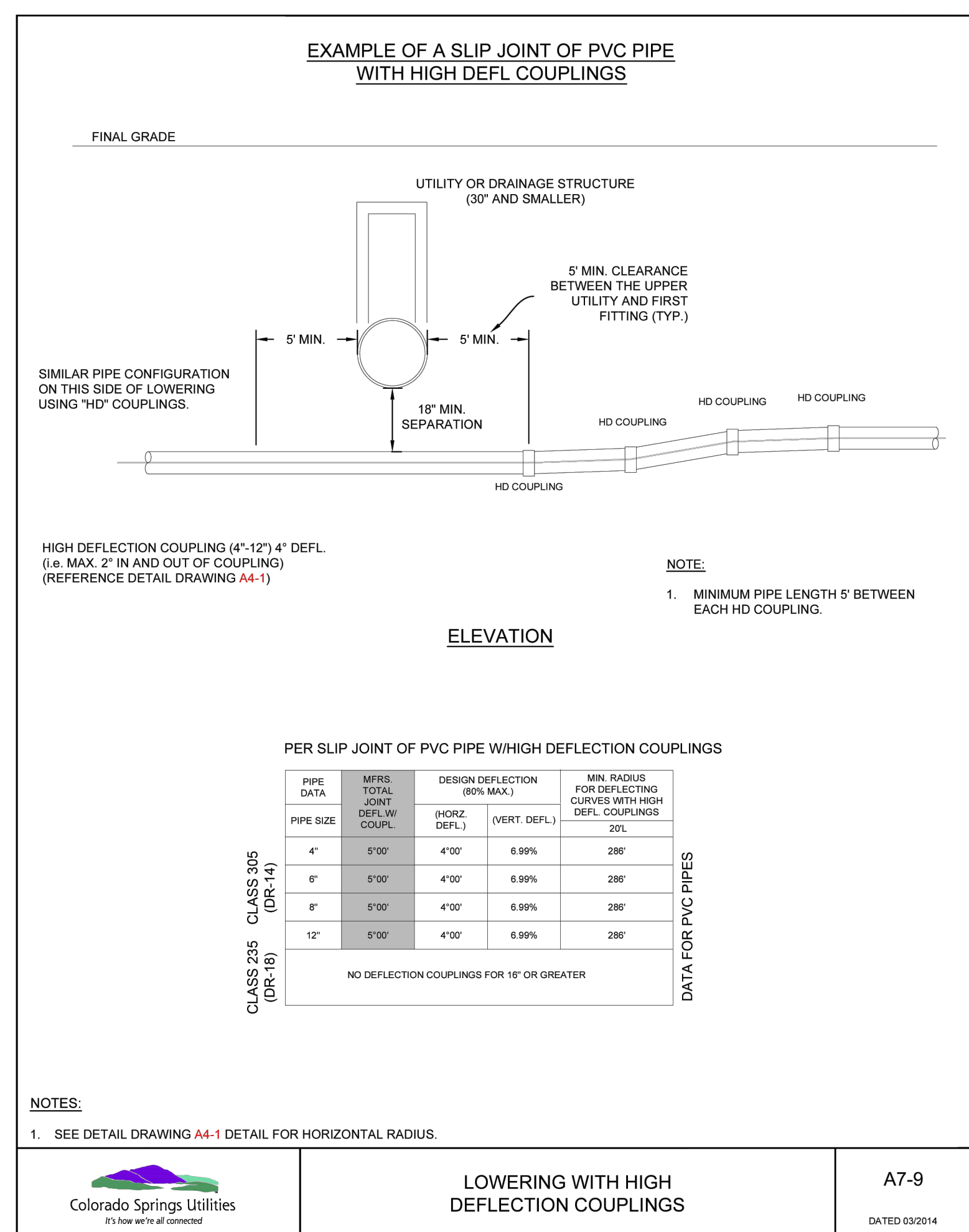
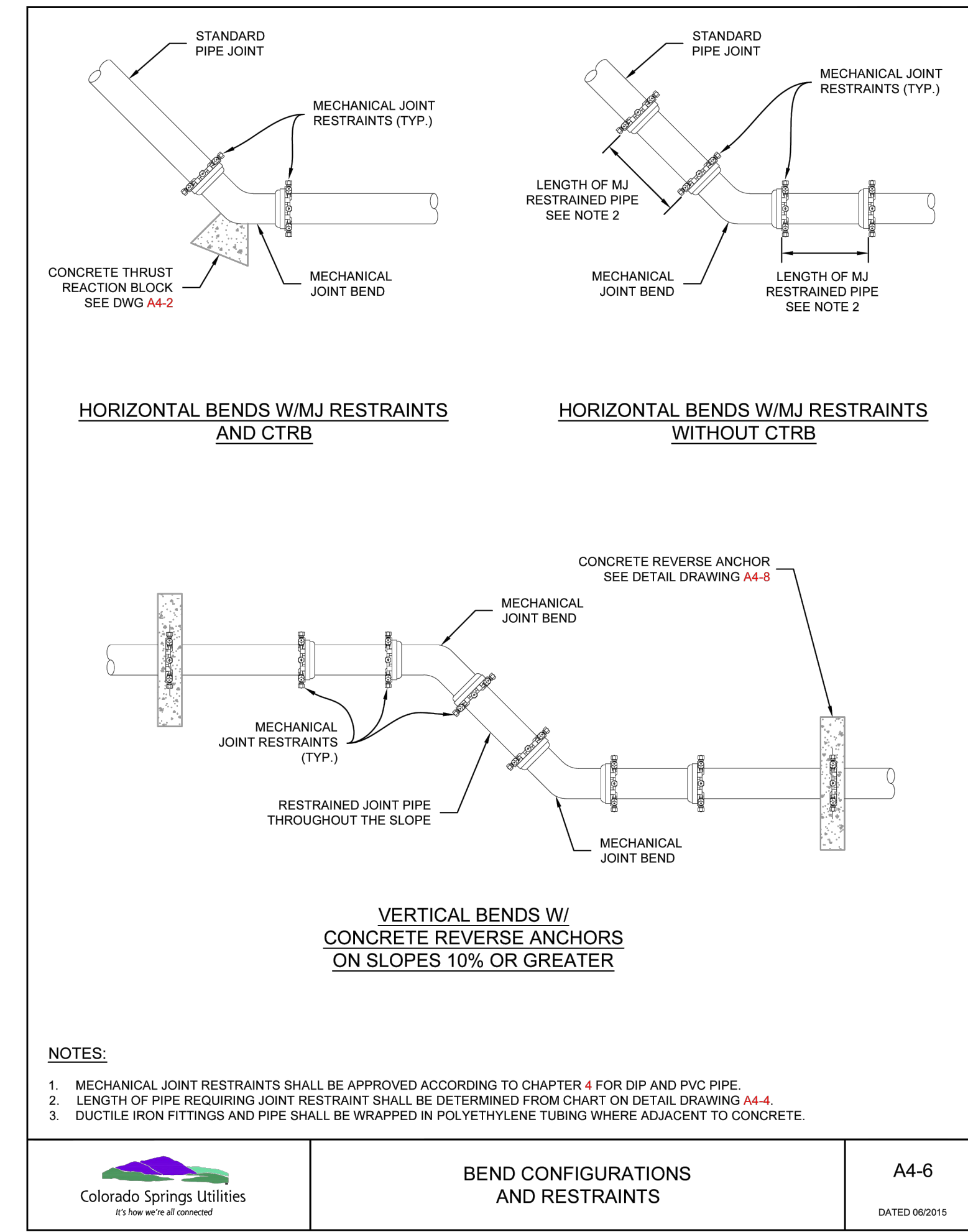
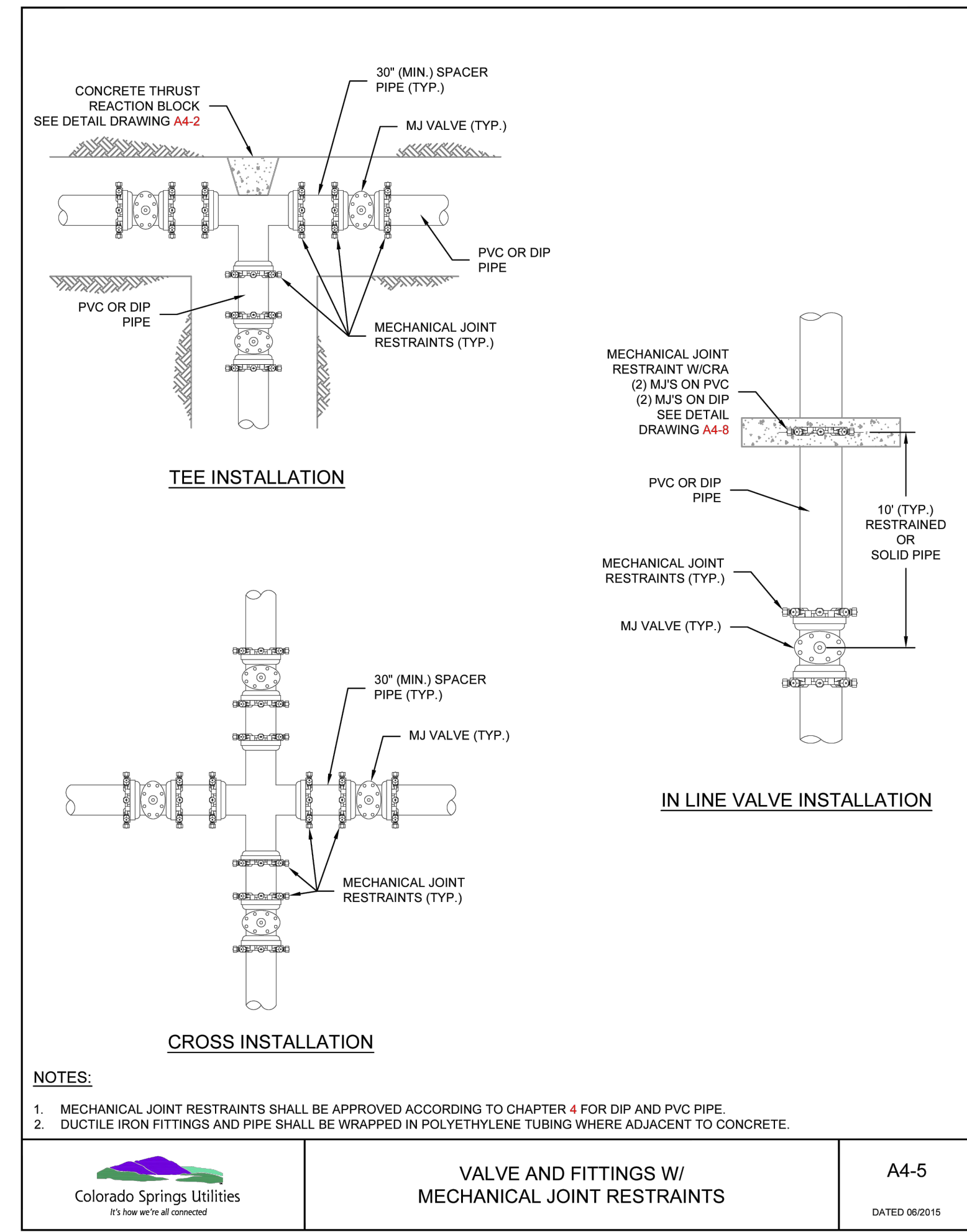
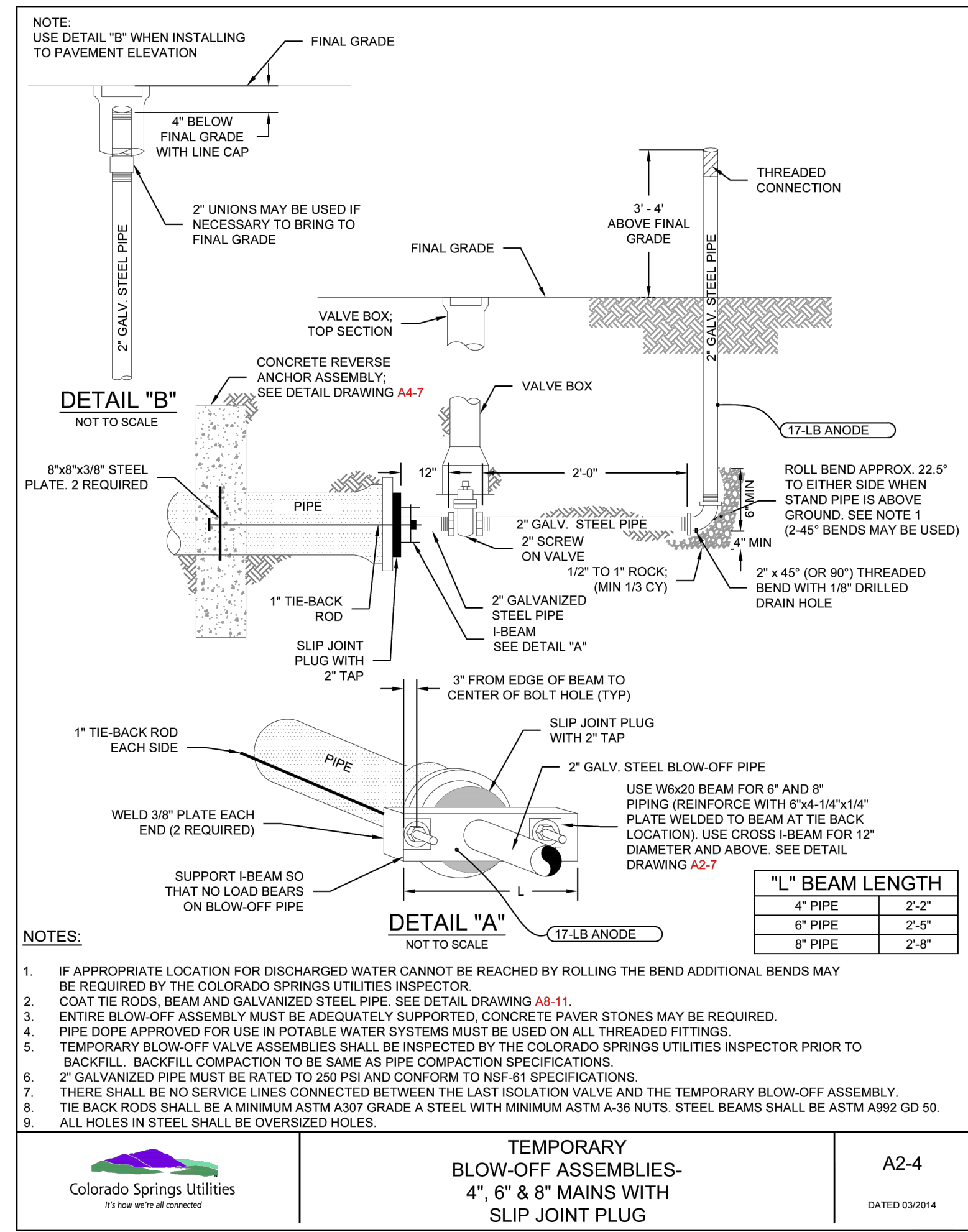
REV	DESCRIPTION	DATE

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE
WATER MAIN EXTENSION

DESIGN: REB
REVIEW: NOJ
DATE: 12/09/2024

H-SCALE: 1" = 50'
V-SCALE: 1" = 5'

SHEET
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JOB NO: 24013 LOCATION: EPC

REV	DESCRIPTION	DATE

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE

DETAILS

DESIGN: REB
REVIEW: NOJ
DATE: 12/09/2024
H-SCALE: N/A
V-SCALE: N/A

SHEET
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