

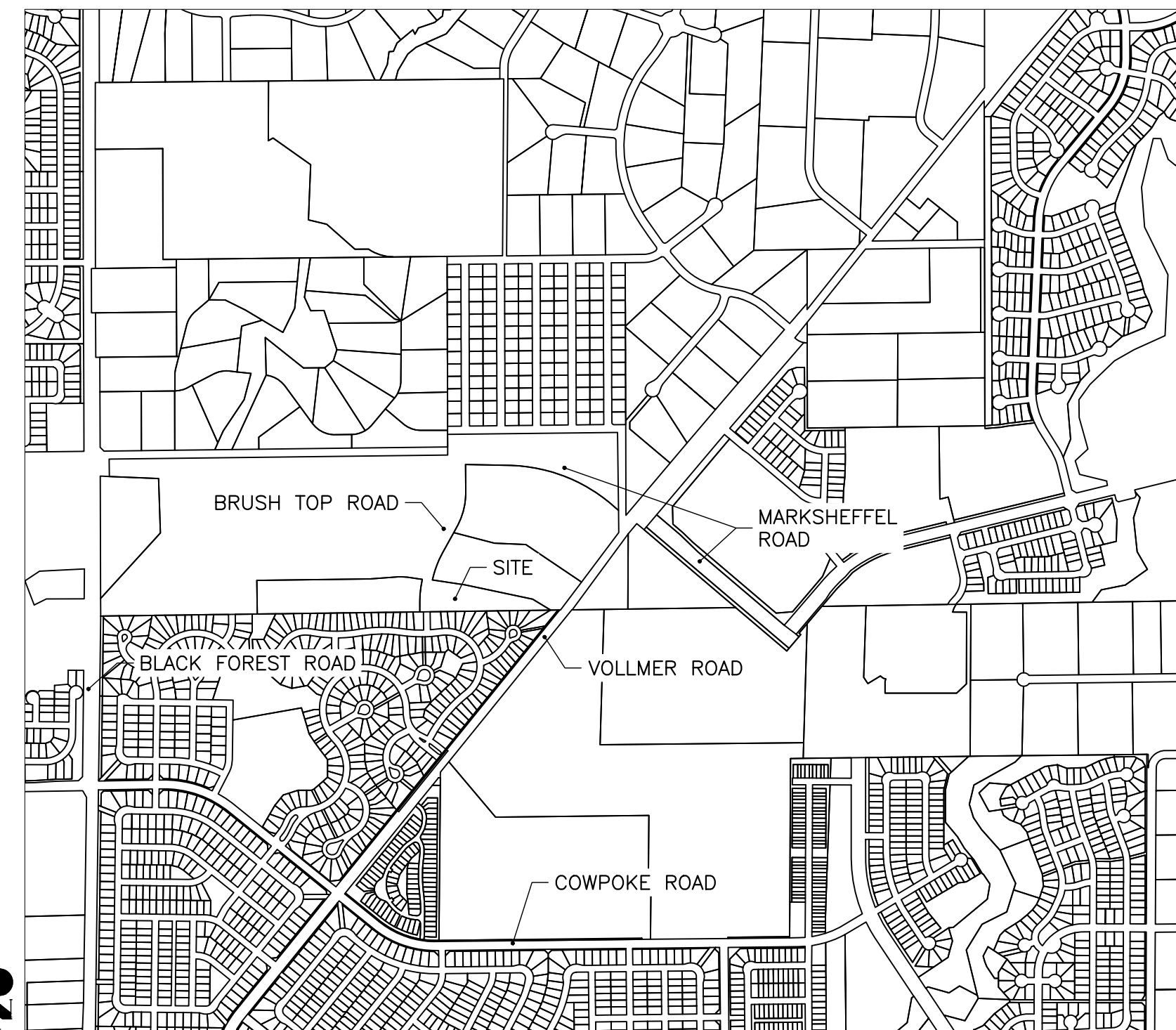
# SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE

## 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.)

#### 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 <del>JEFF RICE, P.E. (719) 520-6300</del>	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 <del>JENNIFER IRVINE, P.E. (719) 520-6460</del>	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  
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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, LLC  
20 BOULDER CRESCENT, SUITE 201  
COLORADO SPRINGS, CO 80903  
ATTN: JIM MORLEY  
(719) \_\_\_\_\_  
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.

REV	DESCRIPTION	DATE

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

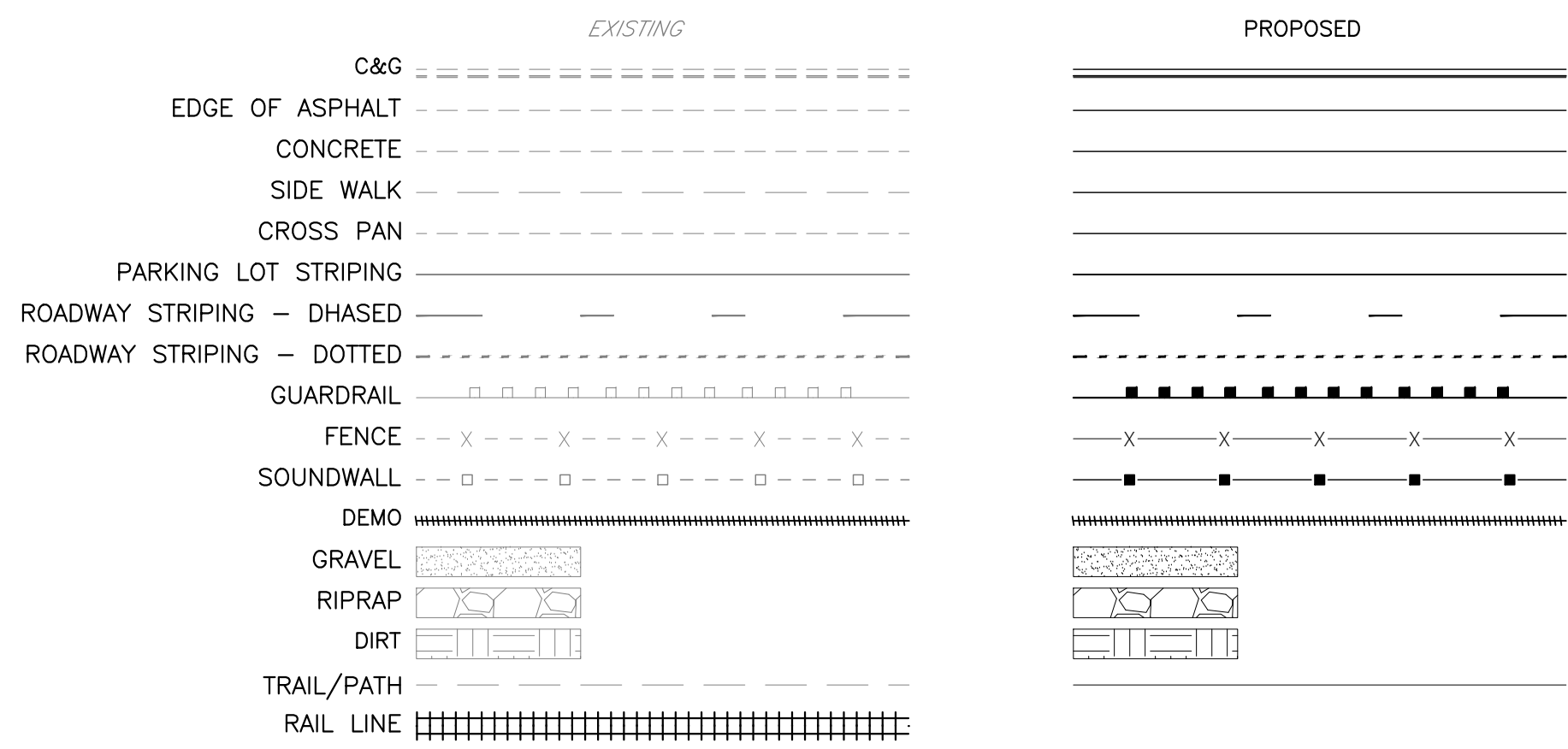
RYAN E. BURNS, P.E.  
54412  
ALL TERRAIN ENGINEERING, LLC  
1004 WEST VAN BUREN STREET  
COLORADO SPRINGS, CO 80907  
719.471.1742



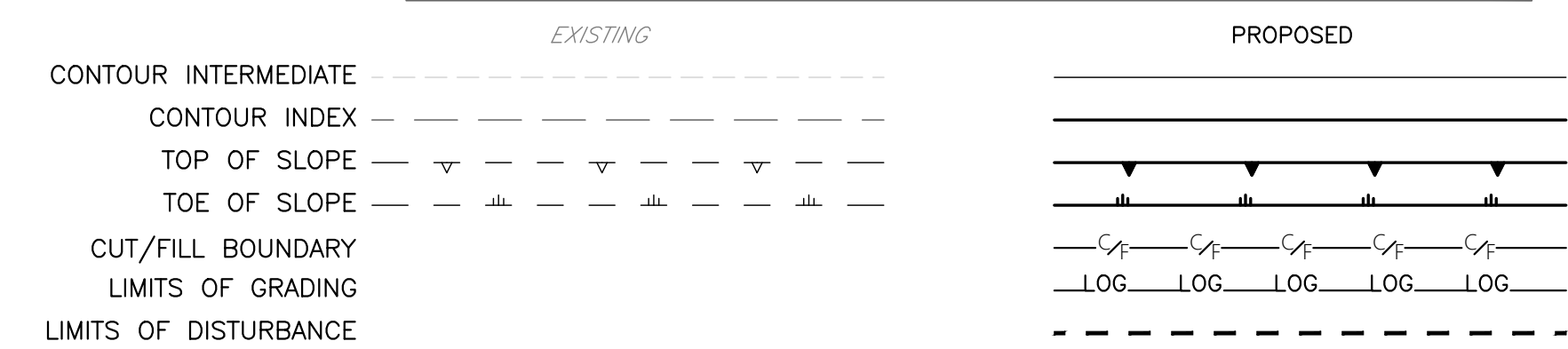
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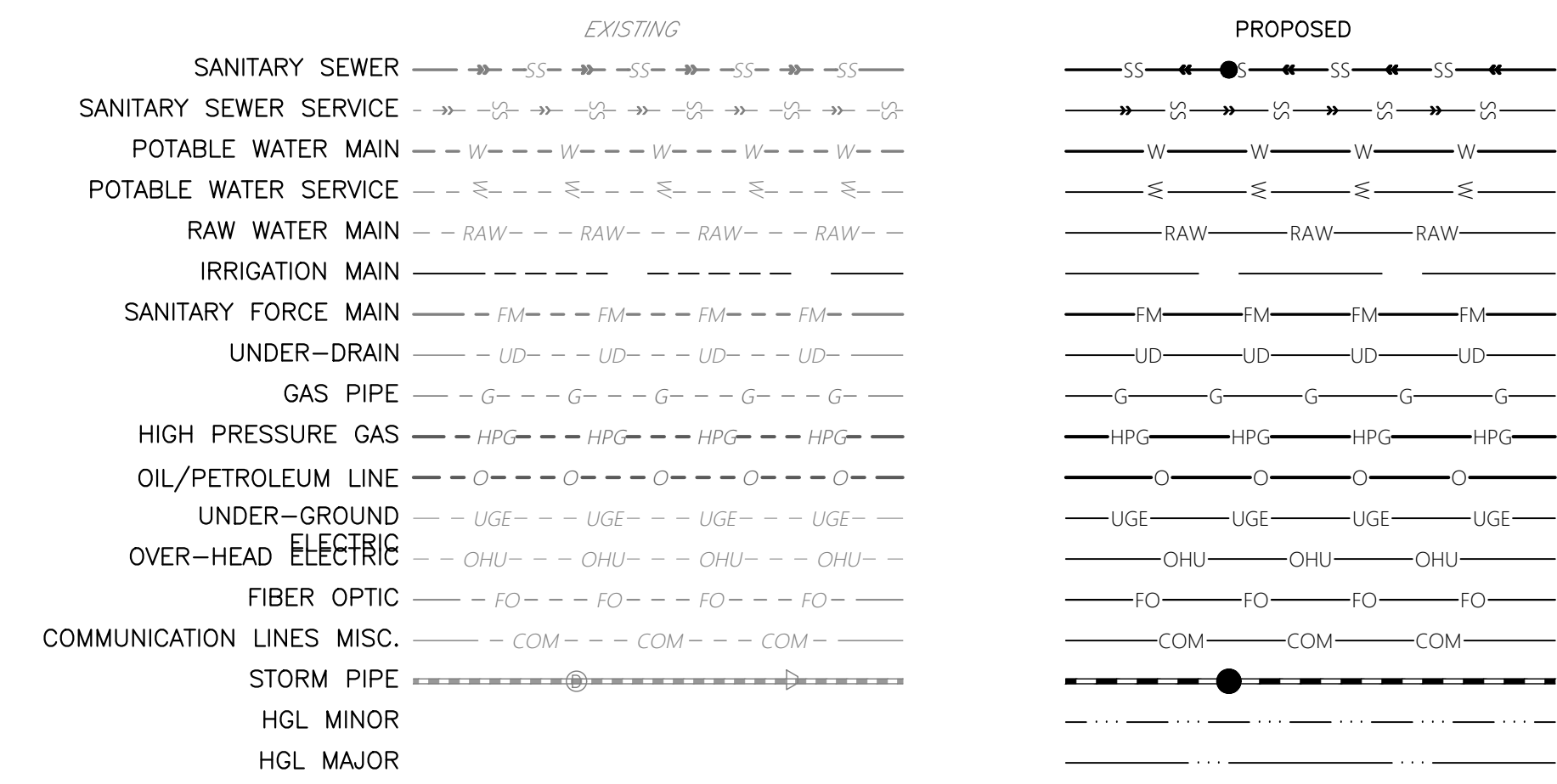
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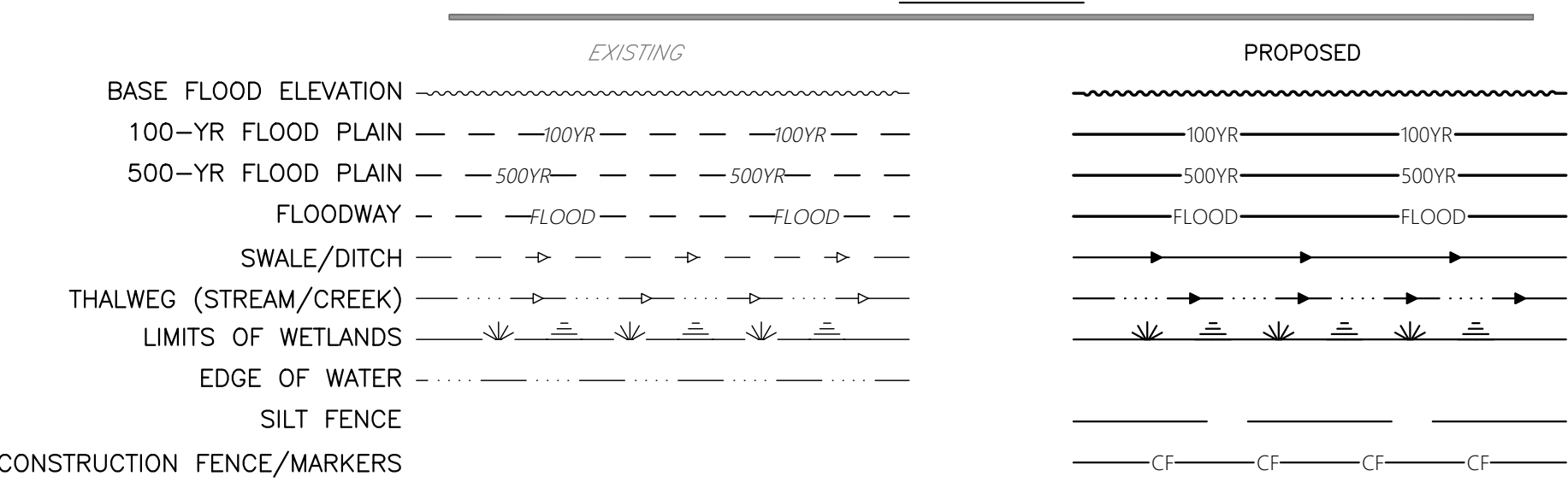
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**UTILITIES**



**DRAINAGE**



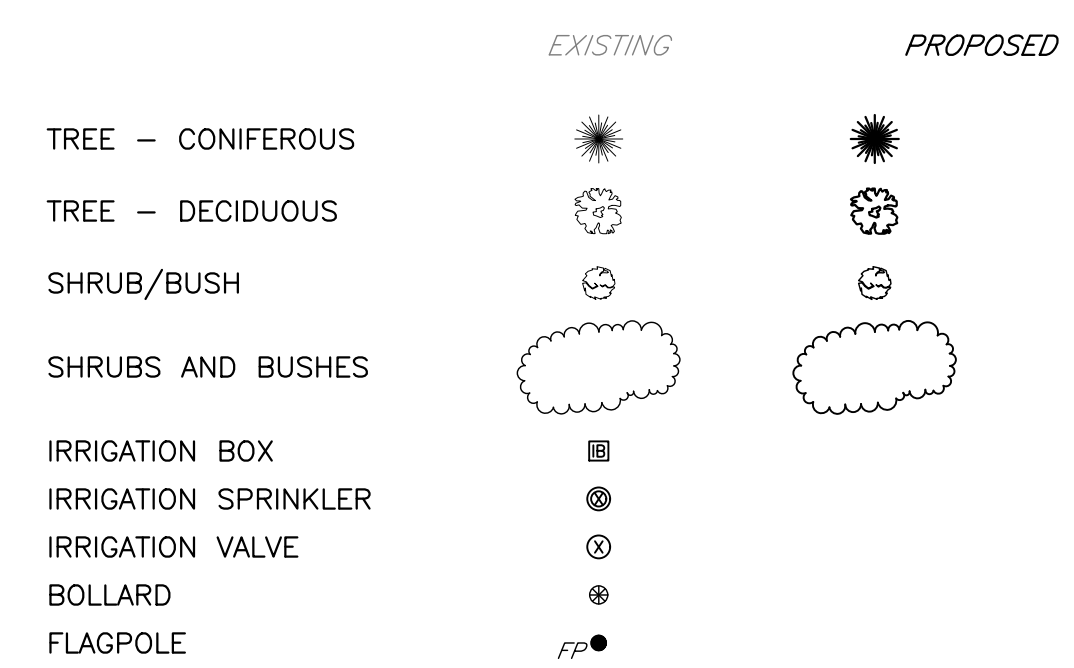
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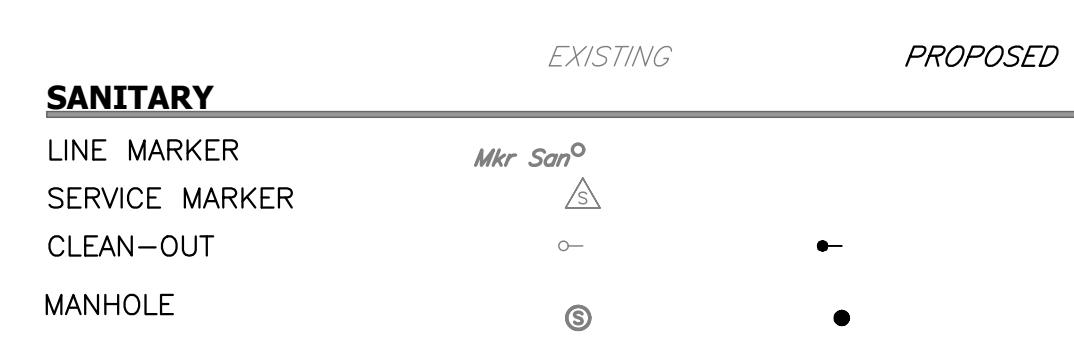
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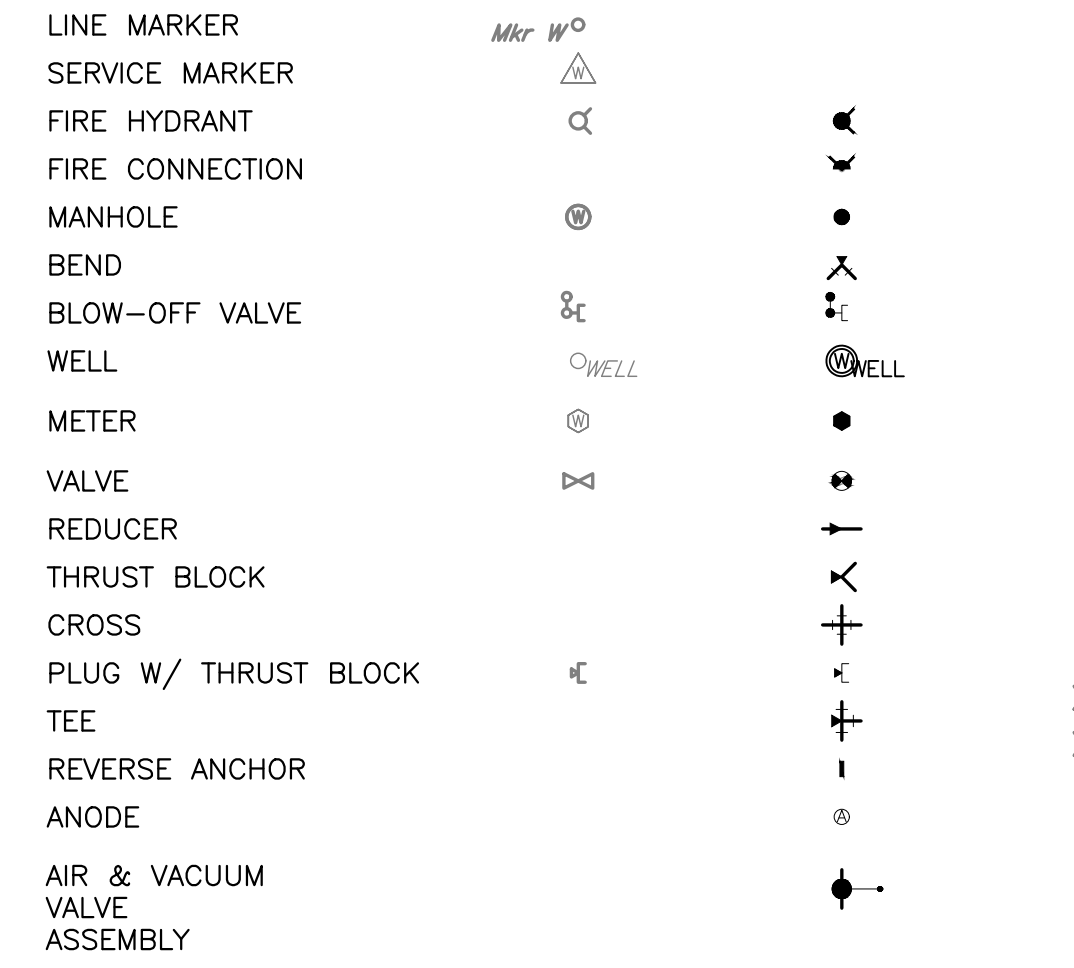
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**UTILITY SYMBOLS**



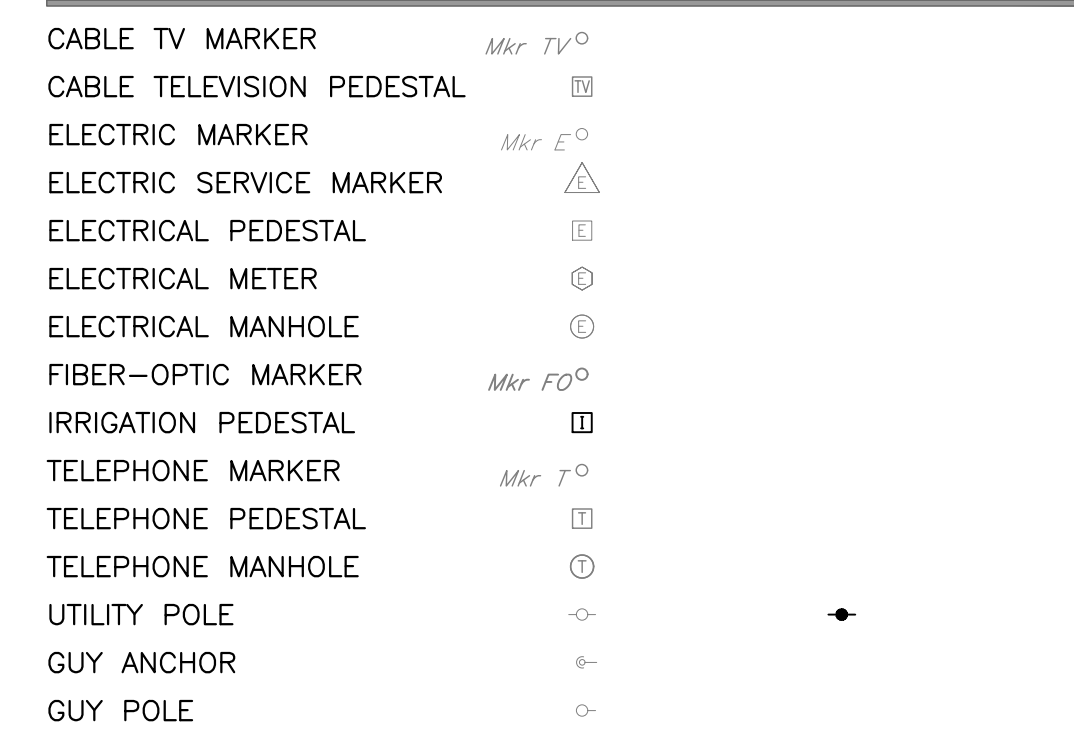
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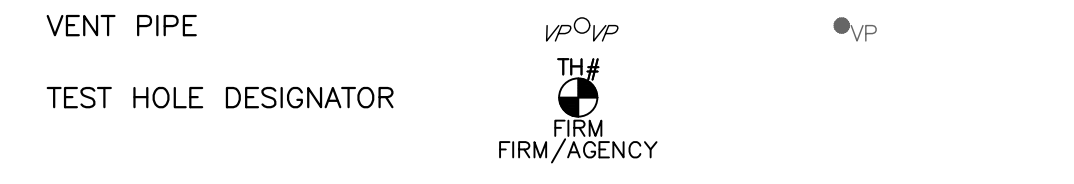
**GAS**



**DRY UTILITIES**



**MISC. UTILITIES**



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.

**ALL TERRAIN ENGINEERING**

PREPARED FOR:  
TURKEY CANON QUARRY LLC  
20 BOULDER CRESCENT STREET, SUITE 100  
COLORADO SPRINGS, CO 80903  
ATTN: JIM MORLEY  
(719) 577-8888 - [JMORLEY3870@AOL.COM](mailto: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	DATE
REV	DESCRIPTION	

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

ALL TERRAIN ENGINEERING  
 1000 S. BARKER ST.  
 COLORADO SPRINGS, CO 80903  
 (719) 577-8888  
[www.allterraineng.com](http://www.allterraineng.com)





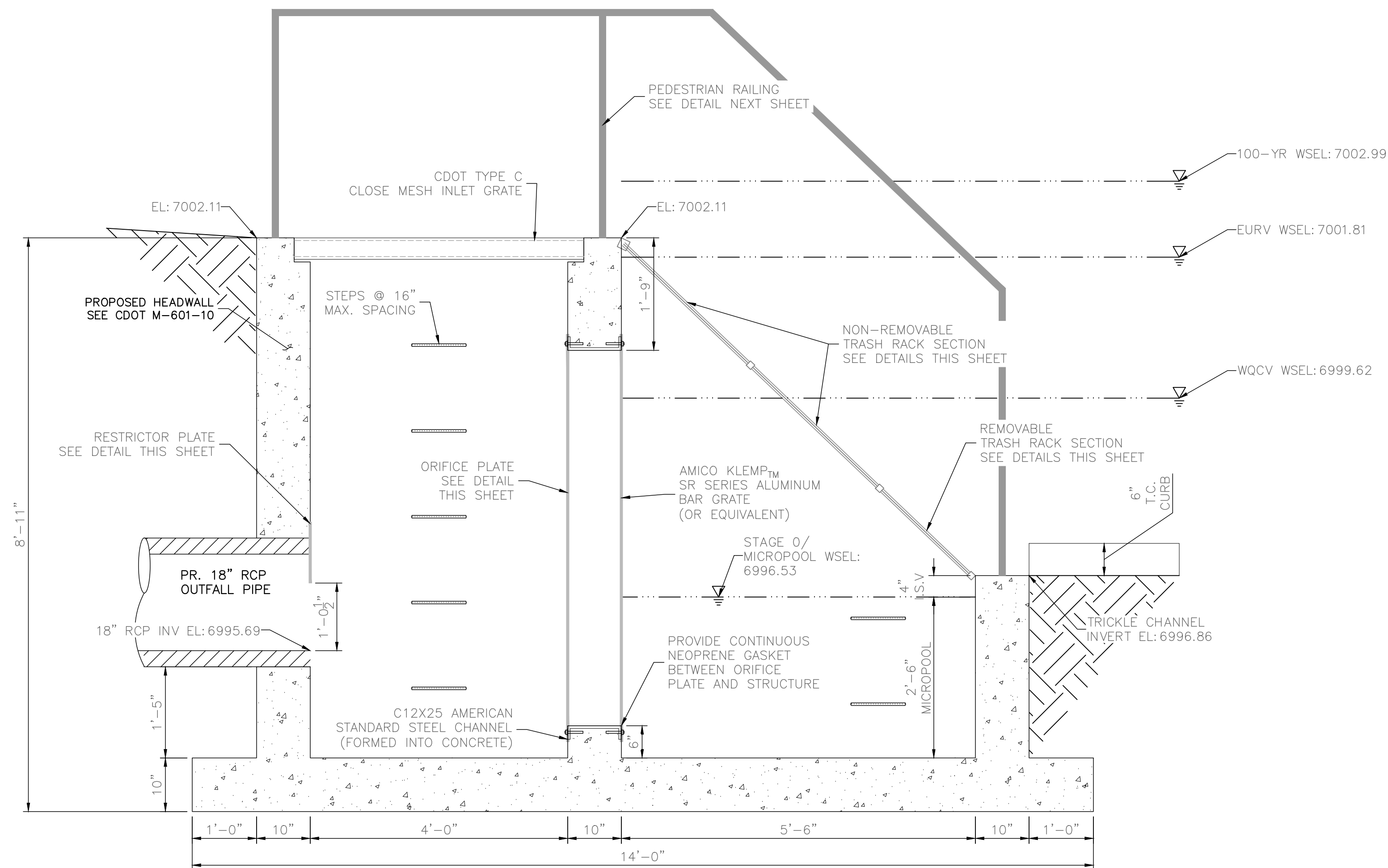




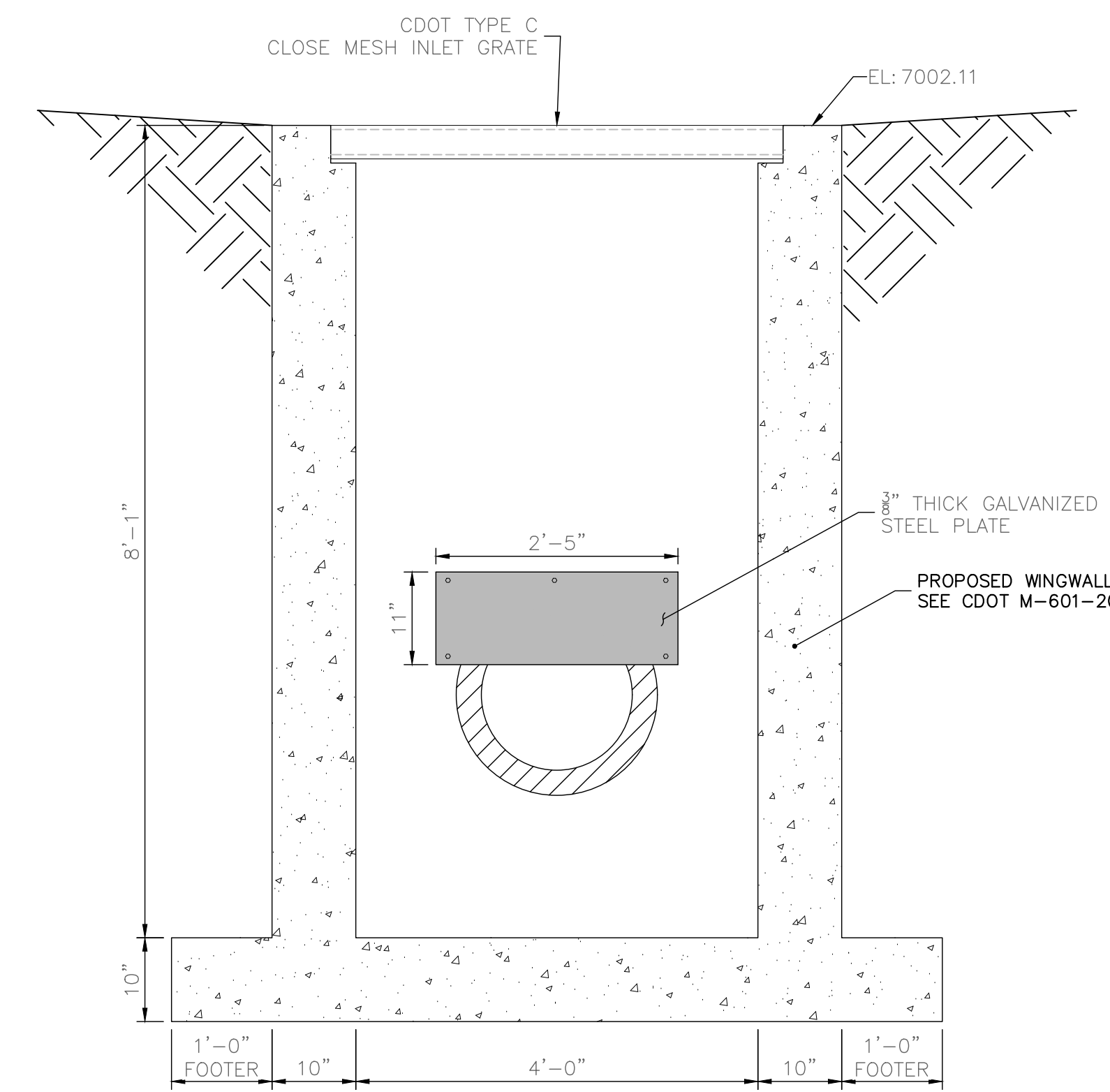




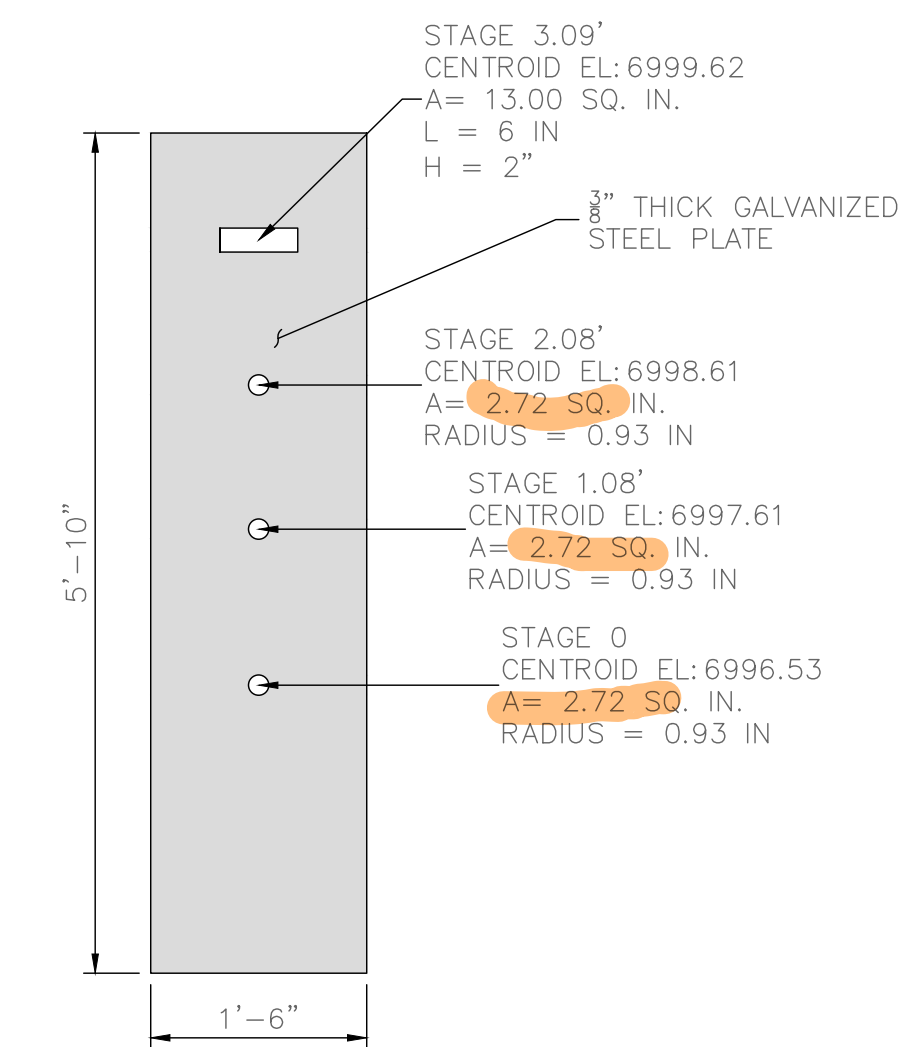




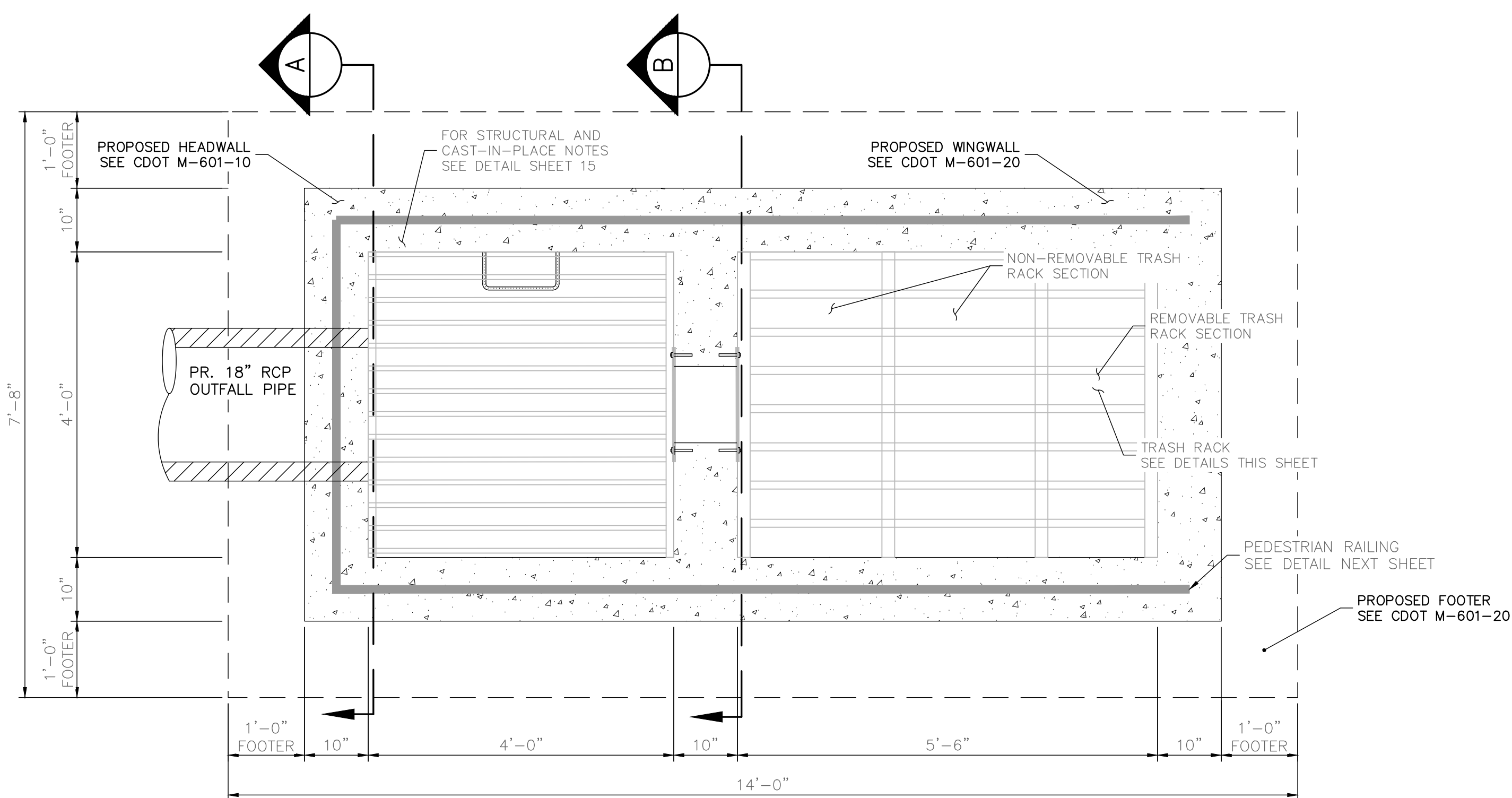
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SCALE: 3/4"=1'



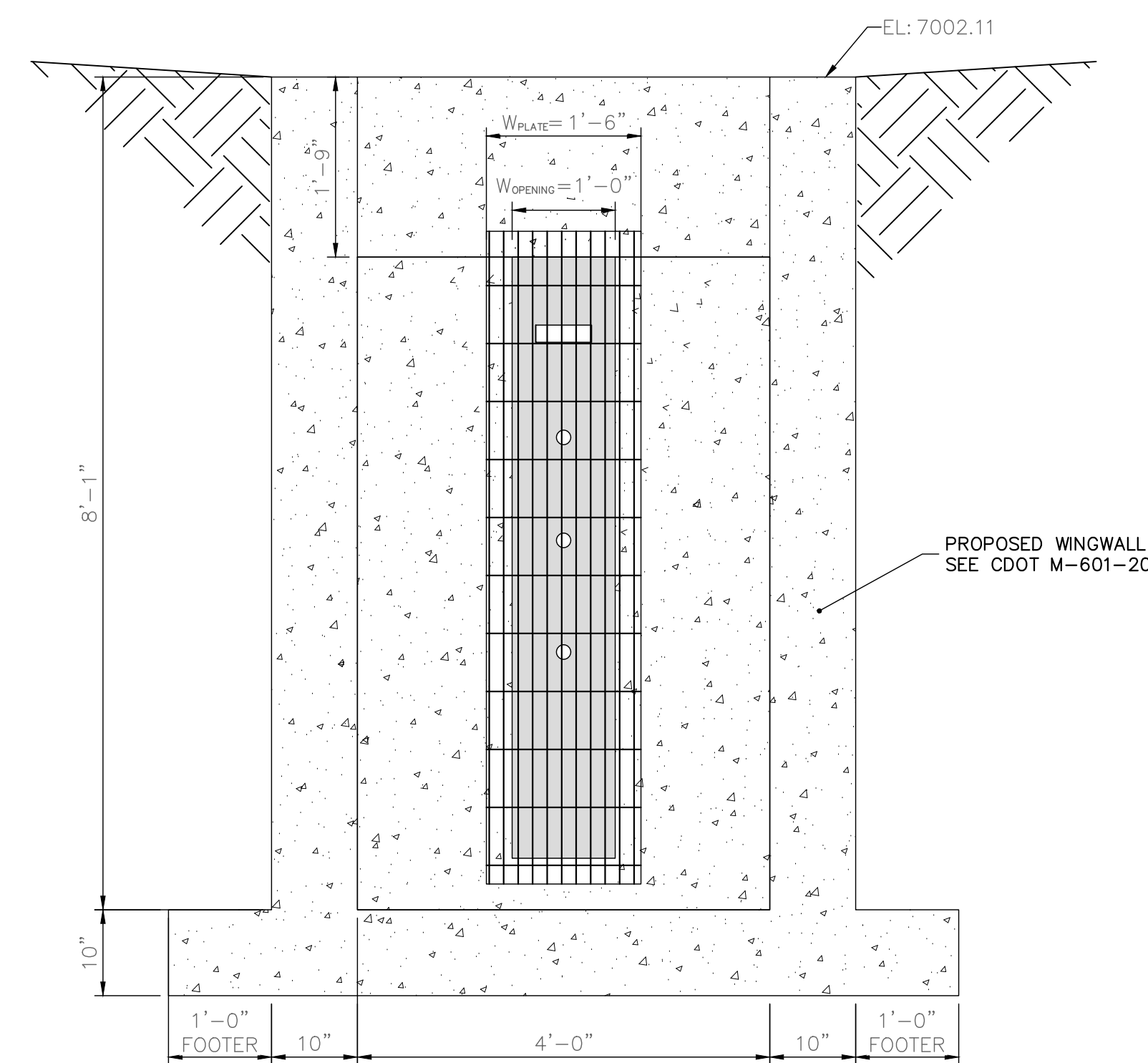
**A A-A SECTION**  
SCALE: 3/4"=1'



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



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



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



PREPARED FOR:  
TURKEY CANON QUARRY LLC  
20 BOULDER CRESCENT STREET, SUITE 100  
COLORADO SPRINGS, CO 80903  
ATTN: JIM MORLEY  
(719)  
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AGENCIES, ALL TERRAIN  
ENGINEERING APPROVES THEIR  
USE ONLY FOR THE PURPOSES  
DESIGNATED BY WRITTEN  
AUTHORIZATION.

REV	DESCRIPTION	DATE

LOCATION: EPC  
JOB NO: 24013  
SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE  
OUTLET STRUCTURE 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: 3/4" = 1'  
V-SCALE: 3/4" = 1'

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

DATE

SHEET  
6 OF 6







# SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE

## EL PASO COUNTY, COLORADO

### STORM SEWER PLANS

#### STANDARD NOTES FOR EL PASO COUNTY CONSTRUCTION PLANS:

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VICINITY MAP  
SCALE: 1"=1000'

#### SHEET INDEX

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|-----|---|----------------------------|
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| 7   | - | STORM SEWER DETAILS        |

#### AGENCIES

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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



PREPARED FOR:  
TURKEY CANON QUARRY INC.  
20 BOULDER CRESCENT, SUITE 201  
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	DATE
REV	DESCRIPTION	

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

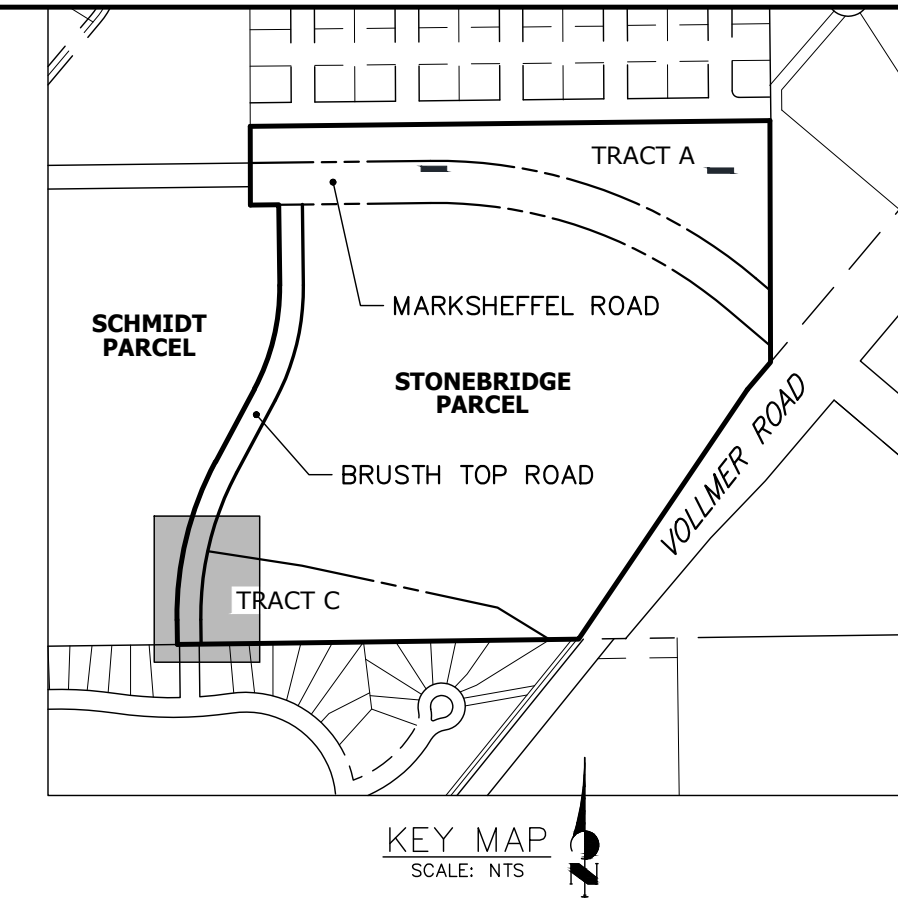
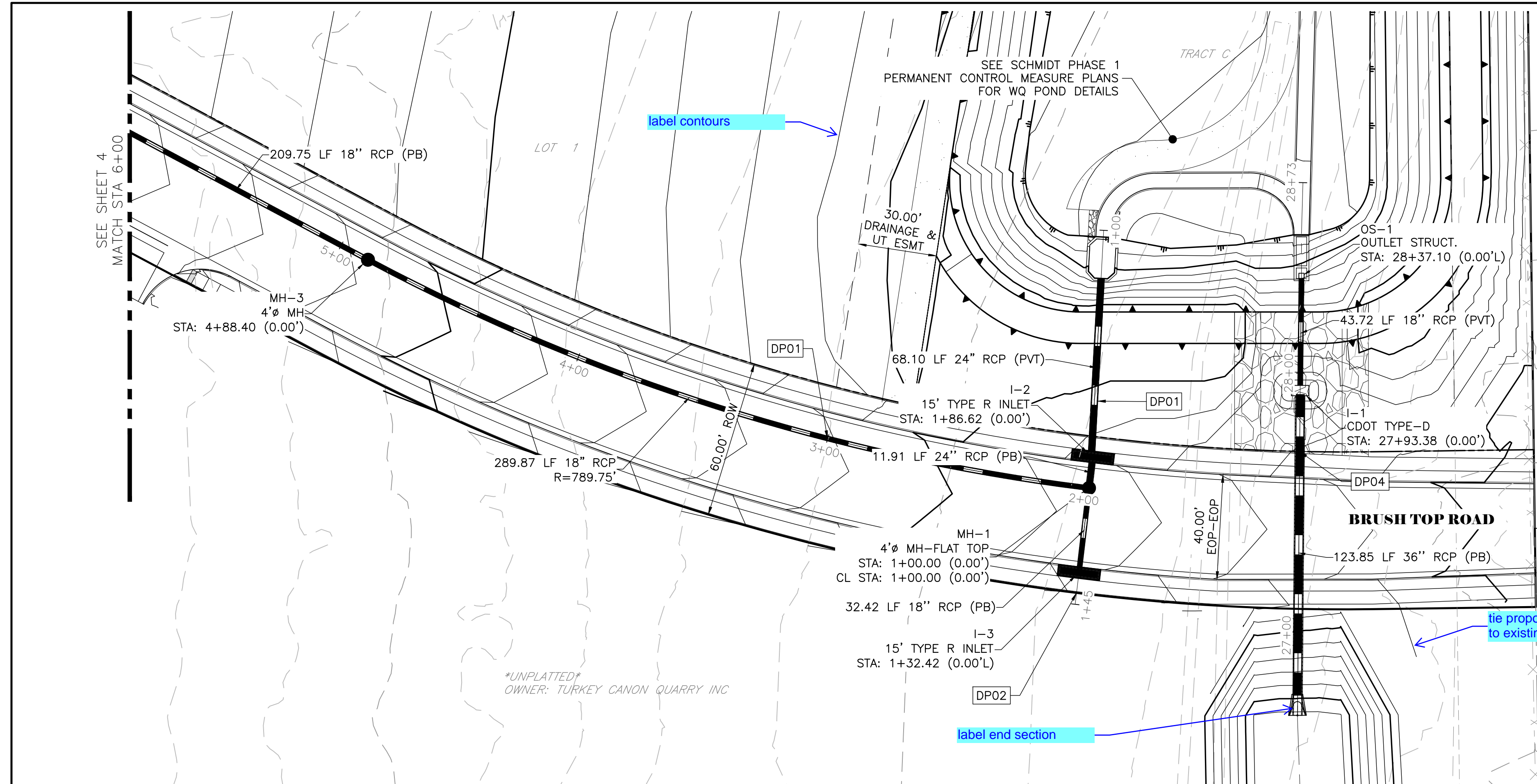


RYAN E. BURNS, P.E.  
 54412  
 ALL TERRAIN ENGINEERING, LLC  
 1004 WEST VAN BUREN STREET  
 COLORADO SPRINGS, CO 80907

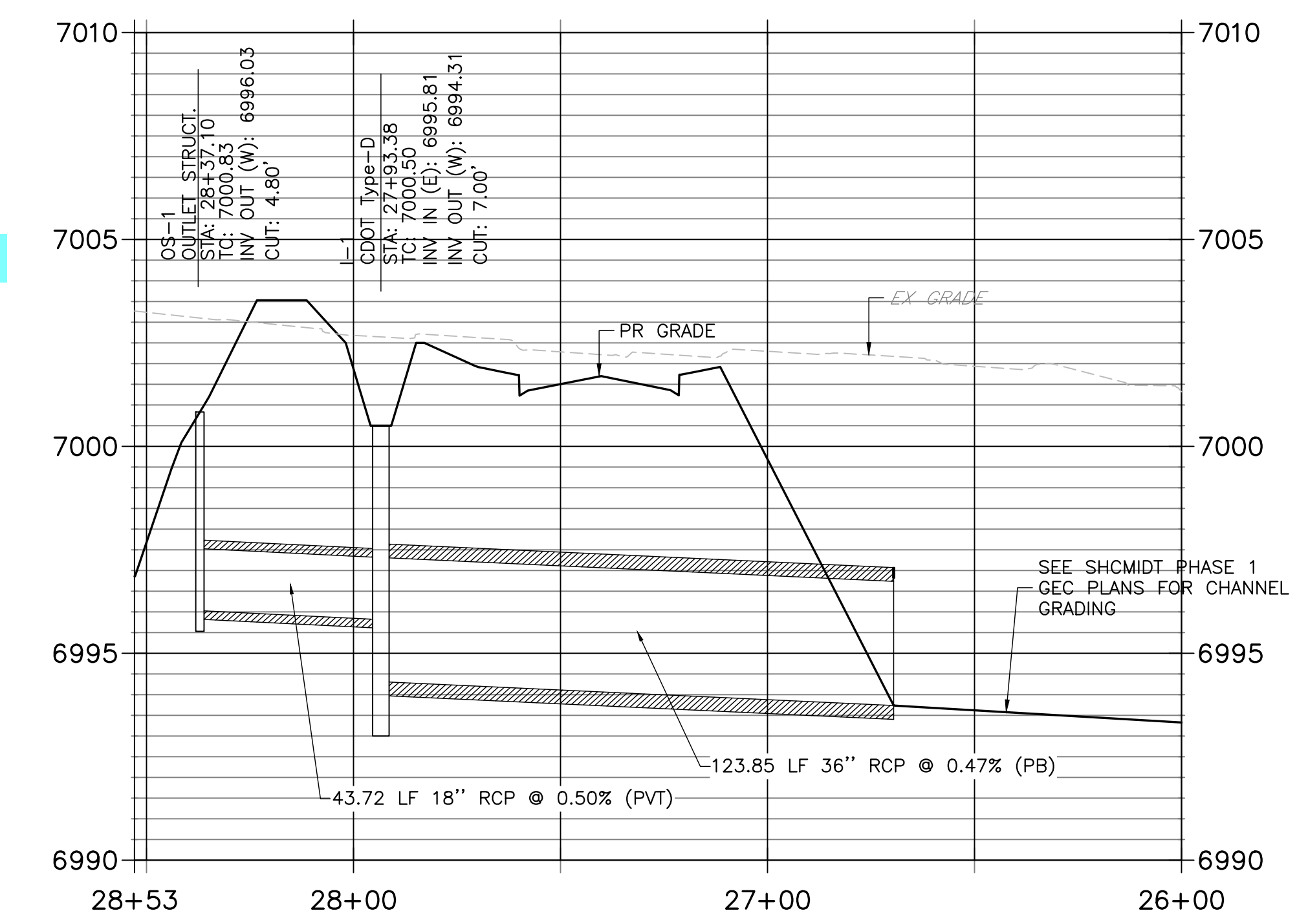




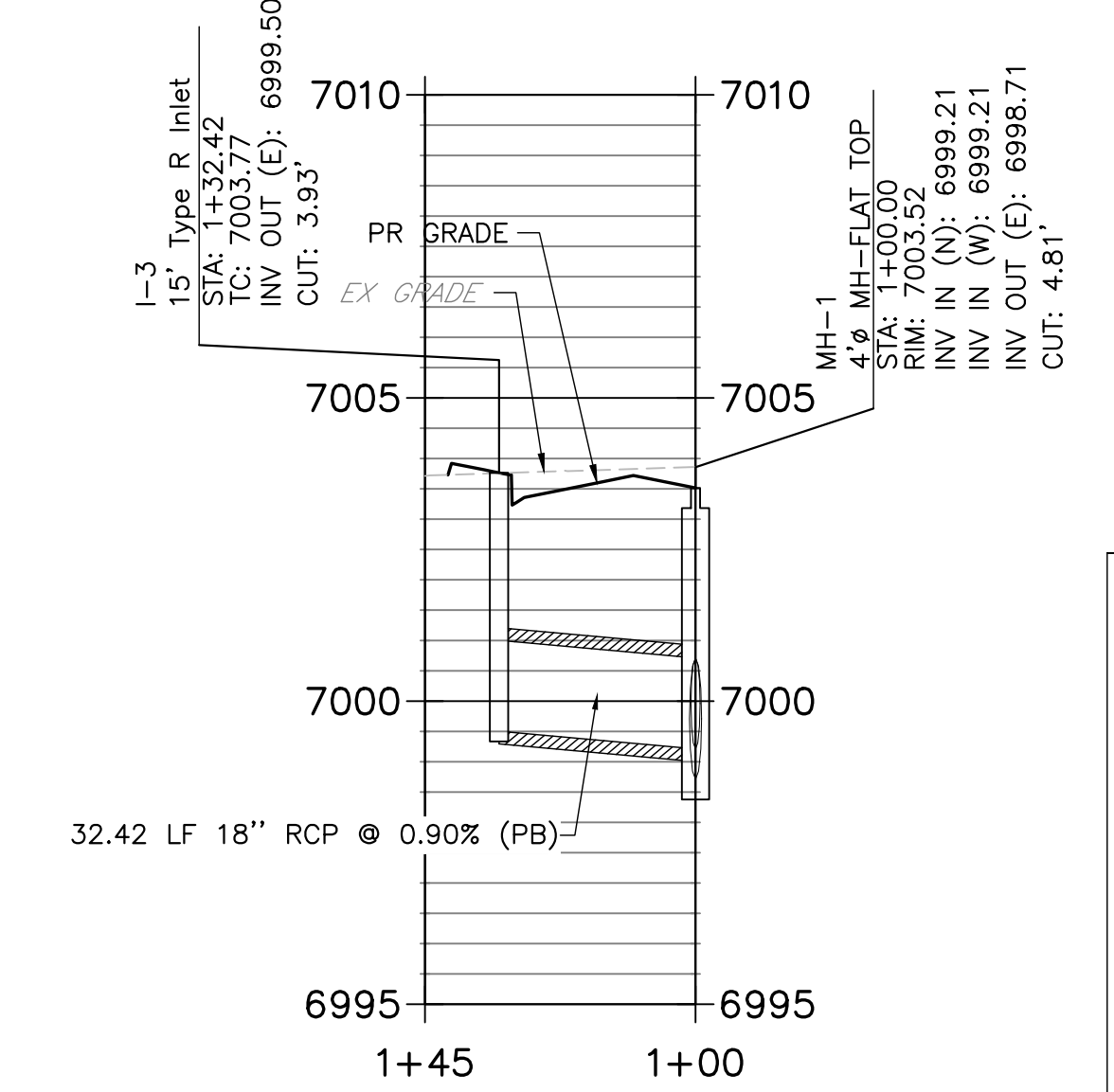




**DP04**  
STA 26+00.00 TO 28+52.89



**DP02**  
STA 1+00.00 TO 1+44.62



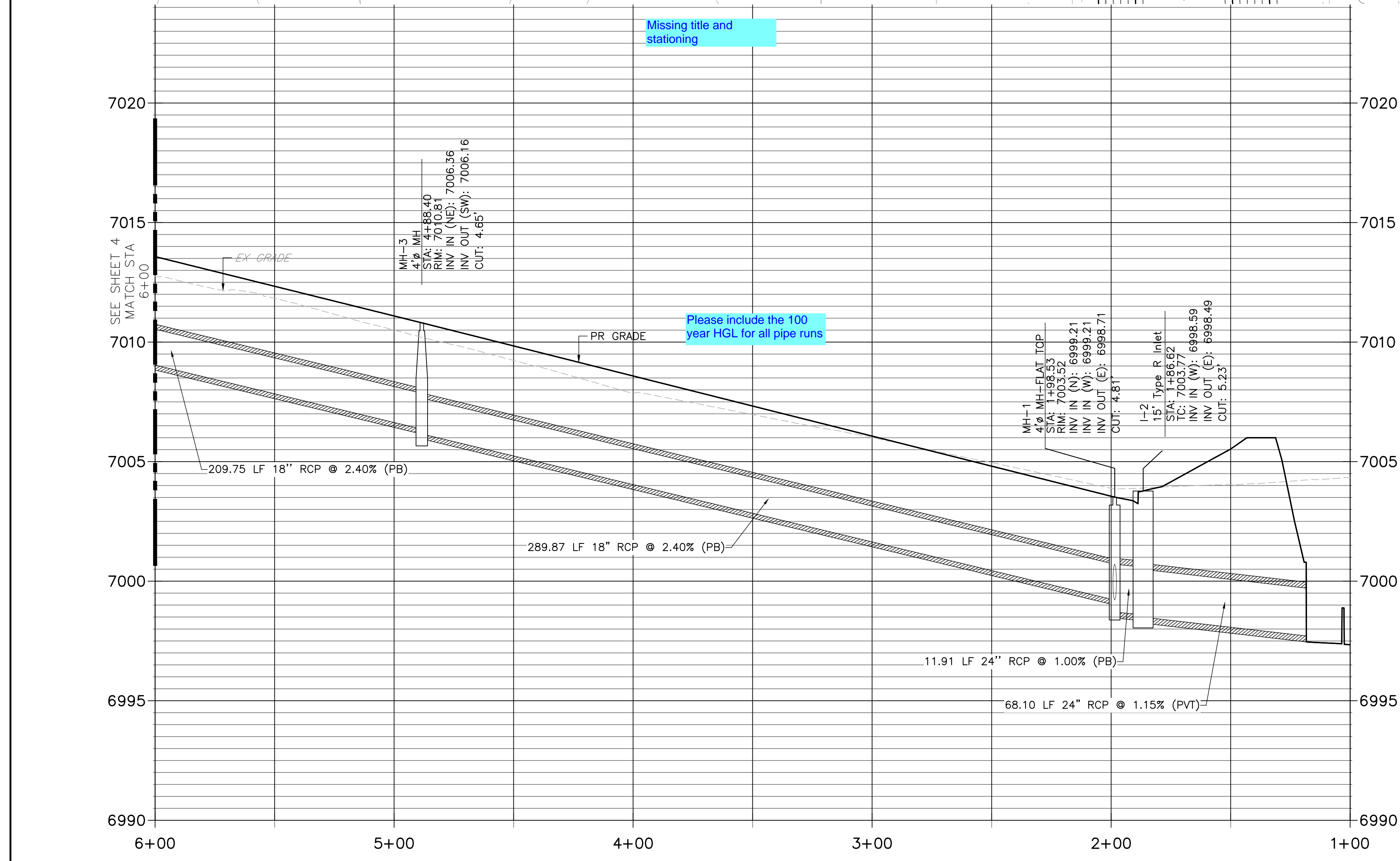
**811**  
Know what's below.  
Call before you dig.

ORIGINAL SCALE: 1" = 30'

**ENGINEER'S STATEMENT**

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



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.

**JR ENGINEERING**

RYAN E. BURNS, P.E.  
54412  
jr-engineering.com

PREPARED FOR:  
TURKEY CANON QUARRY INC.  
20 BOULDER CRESCENT STREET, SUITE 100  
COLORADO SPRINGS, CO 80903  
ATTN: JIM MORLEY  
(719) 491-3024  
JIMORLEY387@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.

DATE	DESCRIPTION

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE

STORM SEWER PLAN & PROFILE

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

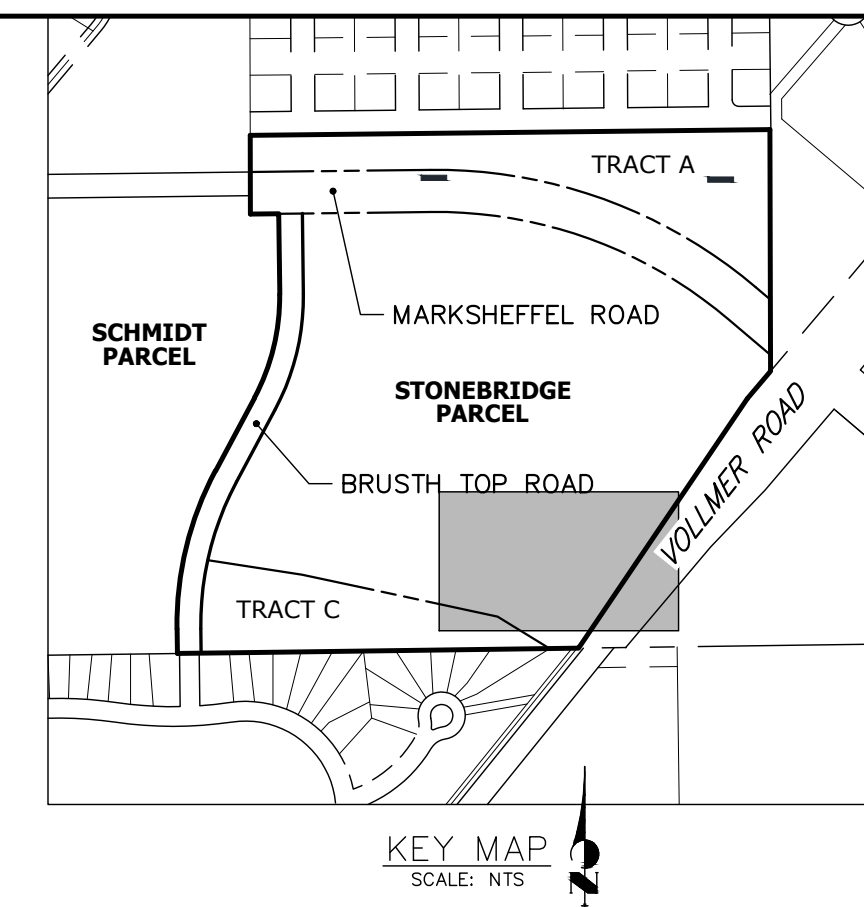
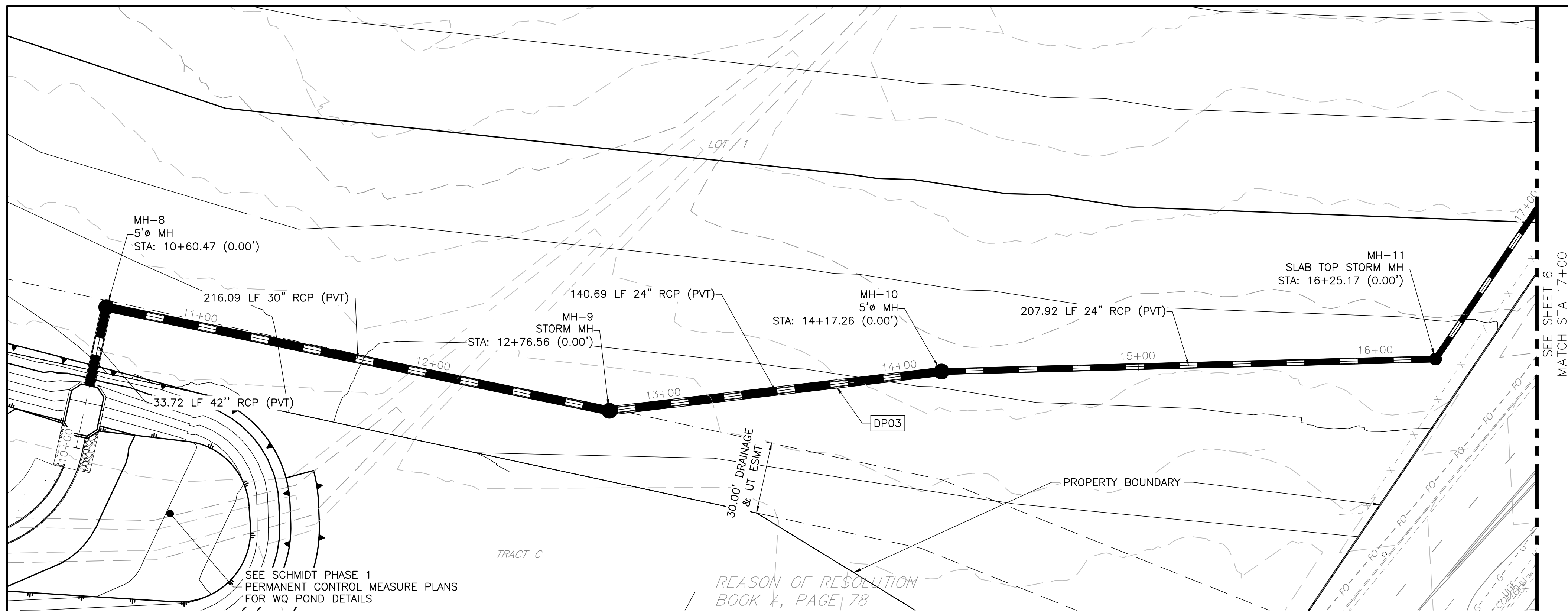
H-SCALE: 1" = 30'  
V-SCALE: 1" = 3'

SHEET  
3 OF 8





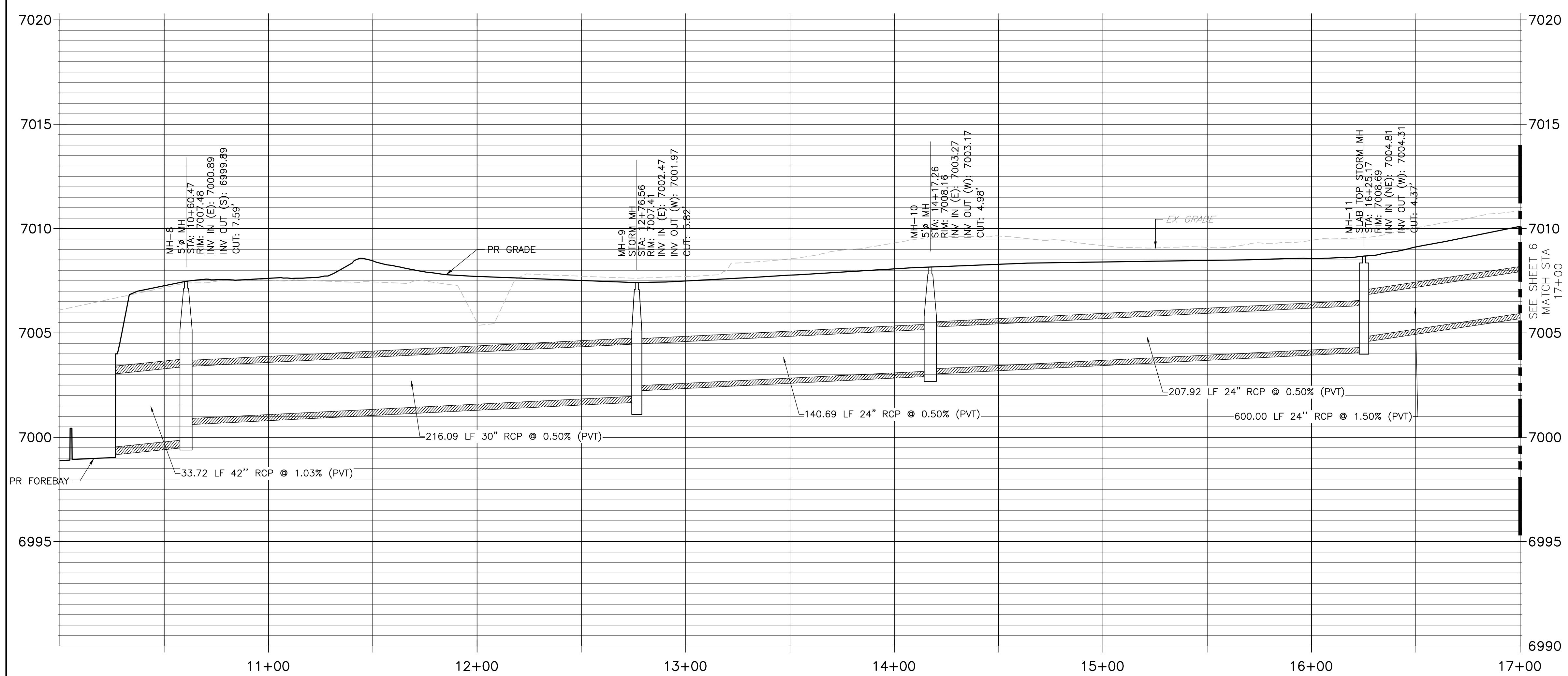




PREPARED FOR:  
 TURKEY CANON QUARRY INC.  
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 COLORADO SPRINGS, CO 80903  
 ATTN: JIM MORLEY  
 (719) 491-3024  
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UNTIL SUCH TIME AS THESE  
 DRAWINGS ARE APPROVED BY THE  
 APPROPRIATE REVIEWING  
 AGENCIES, ALL TERRAIN  
 ENGINEERING APPROVES THEIR  
 USE ONLY FOR THE PURPOSES  
 DESIGNATED BY WRITTEN  
 AUTHORIZATION.

DP03 ← label private or public  
**STA 10+00.00 TO 17+00.00**



ORIGINAL SCALE: 1" = 30'

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

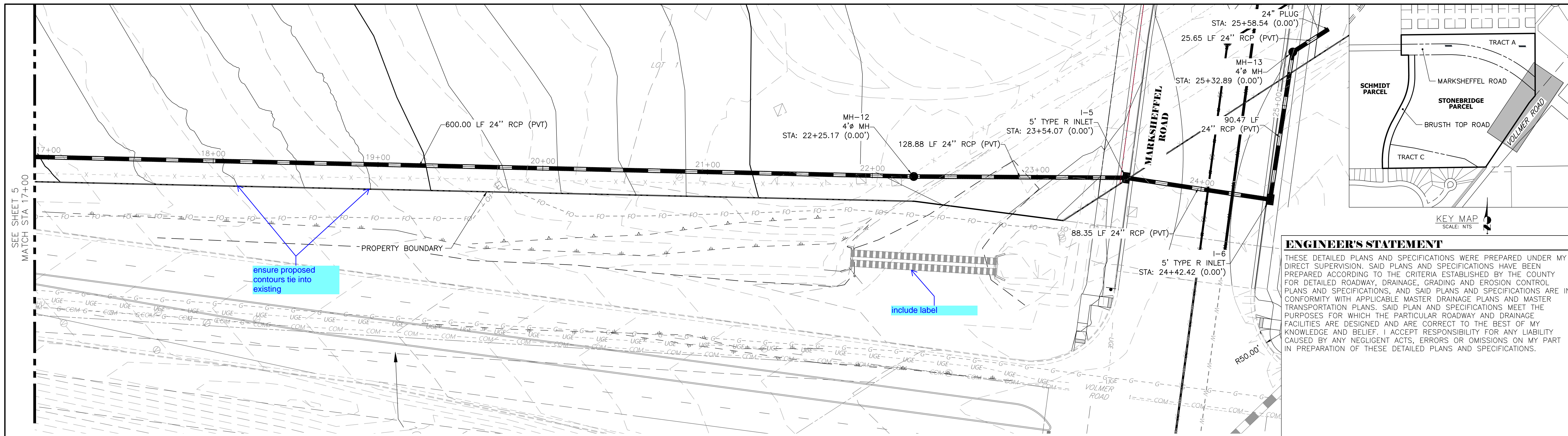
DATE

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





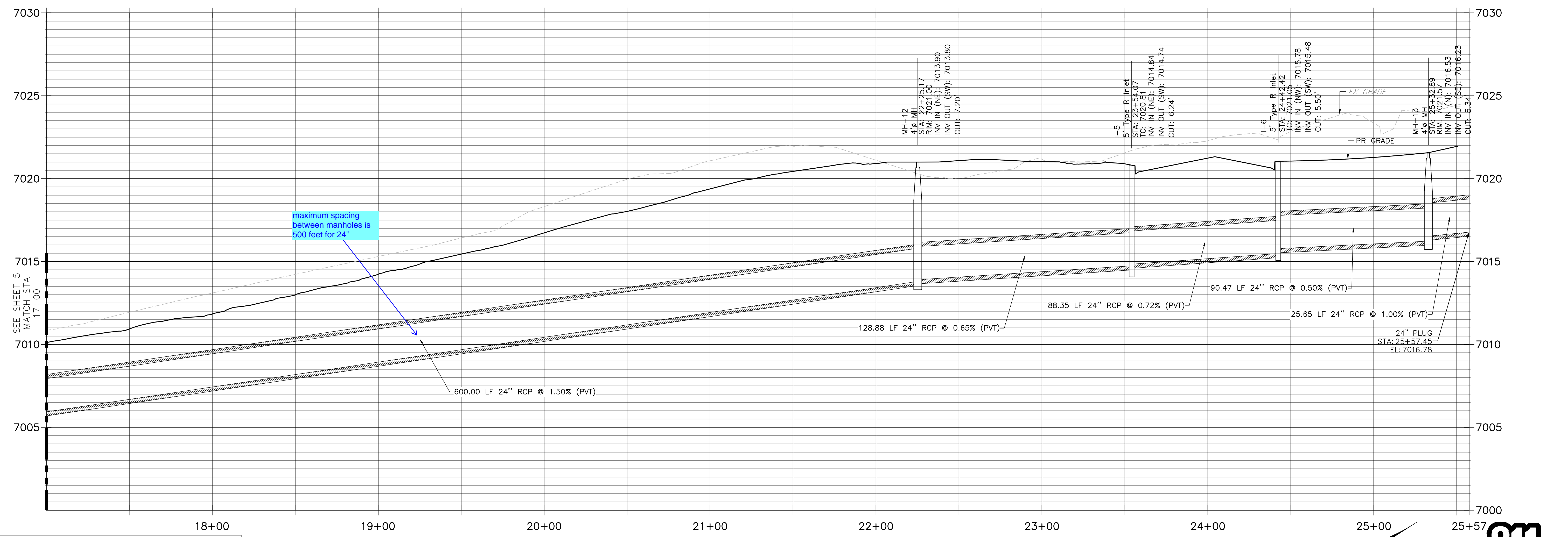
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RYAN E. BURNS, P.E. COLORADO P.E. 54412  
 FOR AND ON BEHALF OF JR ENGINEERING, LLC

DATE

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



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

ORIGINAL SCALE: 1" = 30'

DATE: 07/01/2024

DESIGN: REB  
 REVIEW: NOJ

**JR ENGINEERING**

PREPARED FOR: TURKEY QUARRY INC., 20 BOULDER CREST STREET, SUITE 100, COLORADO SPRINGS, CO 80903  
 ATTN: JIM MORLEY (719) 491-3024  
 JIMORLEY3870@AOL.COM

UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN FEET AND DECIMALS THEREOF. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED.

DATE

JOB NO: 24013 LOCATION: EPC

REV	DESCRIPTION	DATE

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE

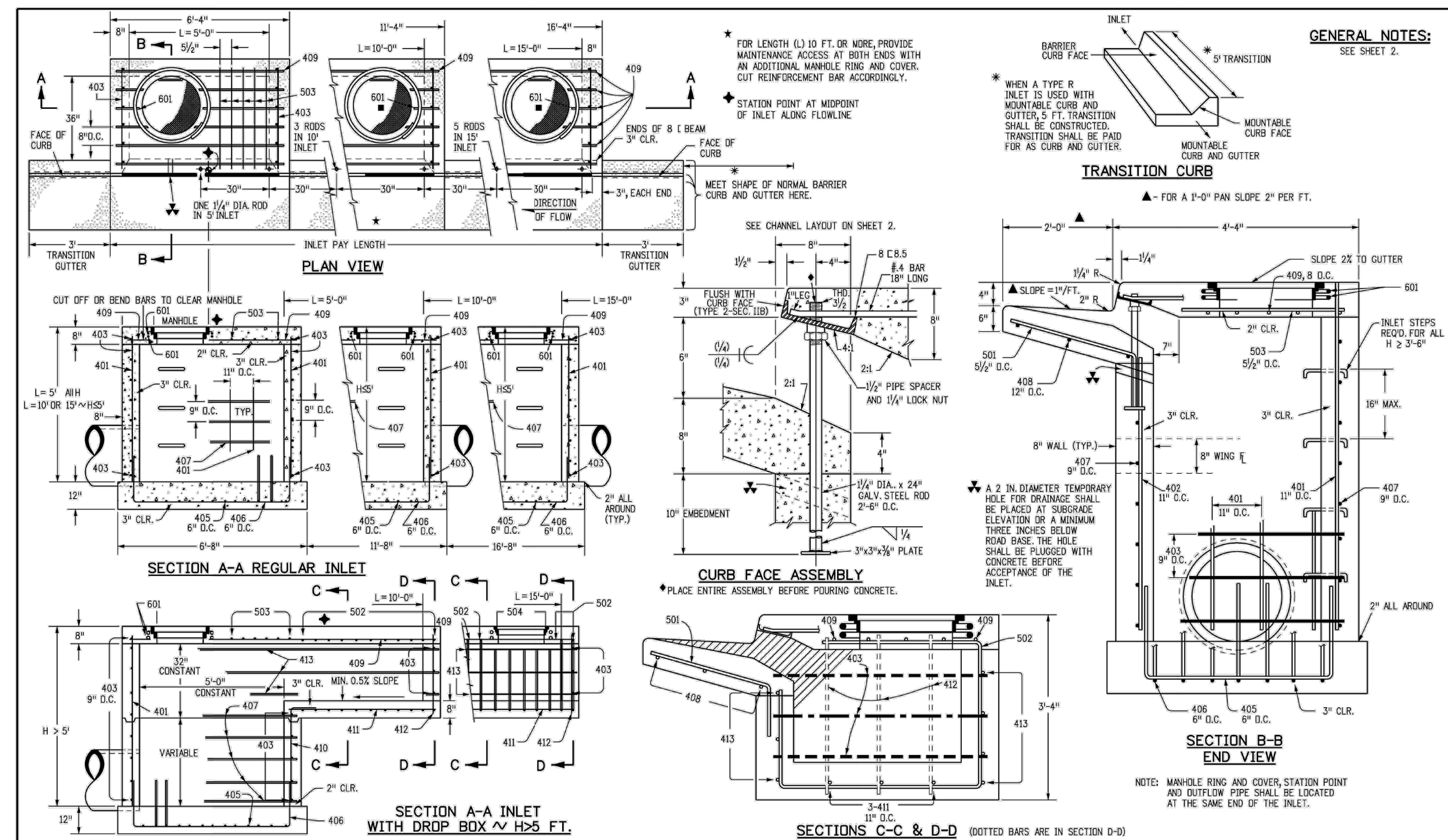
STORM SEWER PLAN & PROFILE

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

H-SCALE: 1" = 30'  
 V-SCALE: 1" = 3'

SHEET 6 OF 8



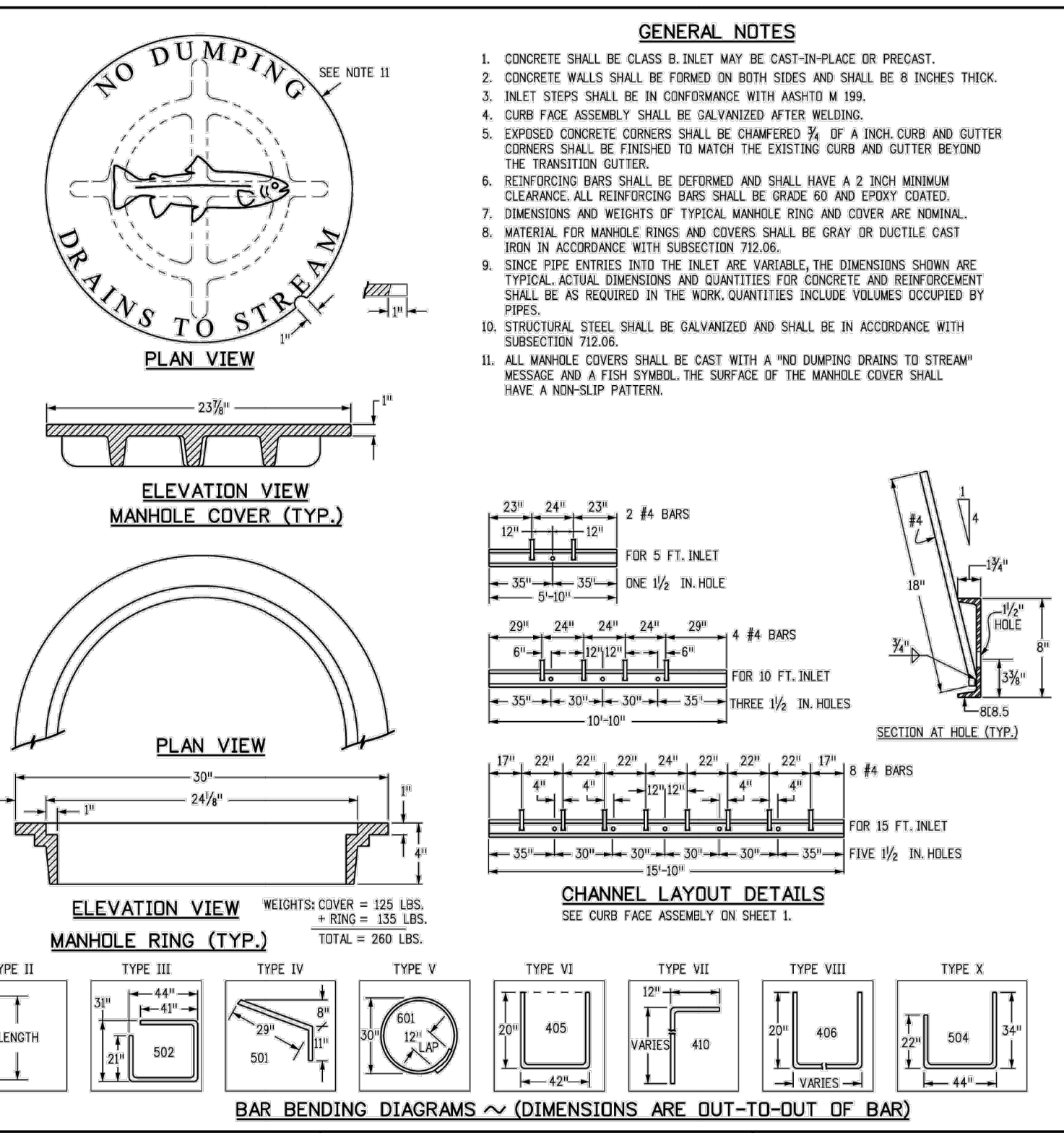


<b>Computer File Information</b>		<b>Sheet Revisions</b>		<b>Colorado Department of Transportation</b>		<b>CURB INLET TYPE R</b>		<b>STANDARD PLAN NO. M-604-12</b>	
Creation Date: 07/31/19	Designer Initials: JBK	Date:	Comments:	2829 West Howard Place	CDOT HQ, 3rd Floor	Denver, CO 80204	Ph: 303-757-9921 FAX: 303-757-9988	Project Development Branch	JBK
Last Modification Date: 07/31/19	Detailer Initials: LTA							Issued by the Project Development Branch: July 31, 2019	
CAD Ver: MicroStation V8	Scale: Not to Scale							Project Sheet Numbers	

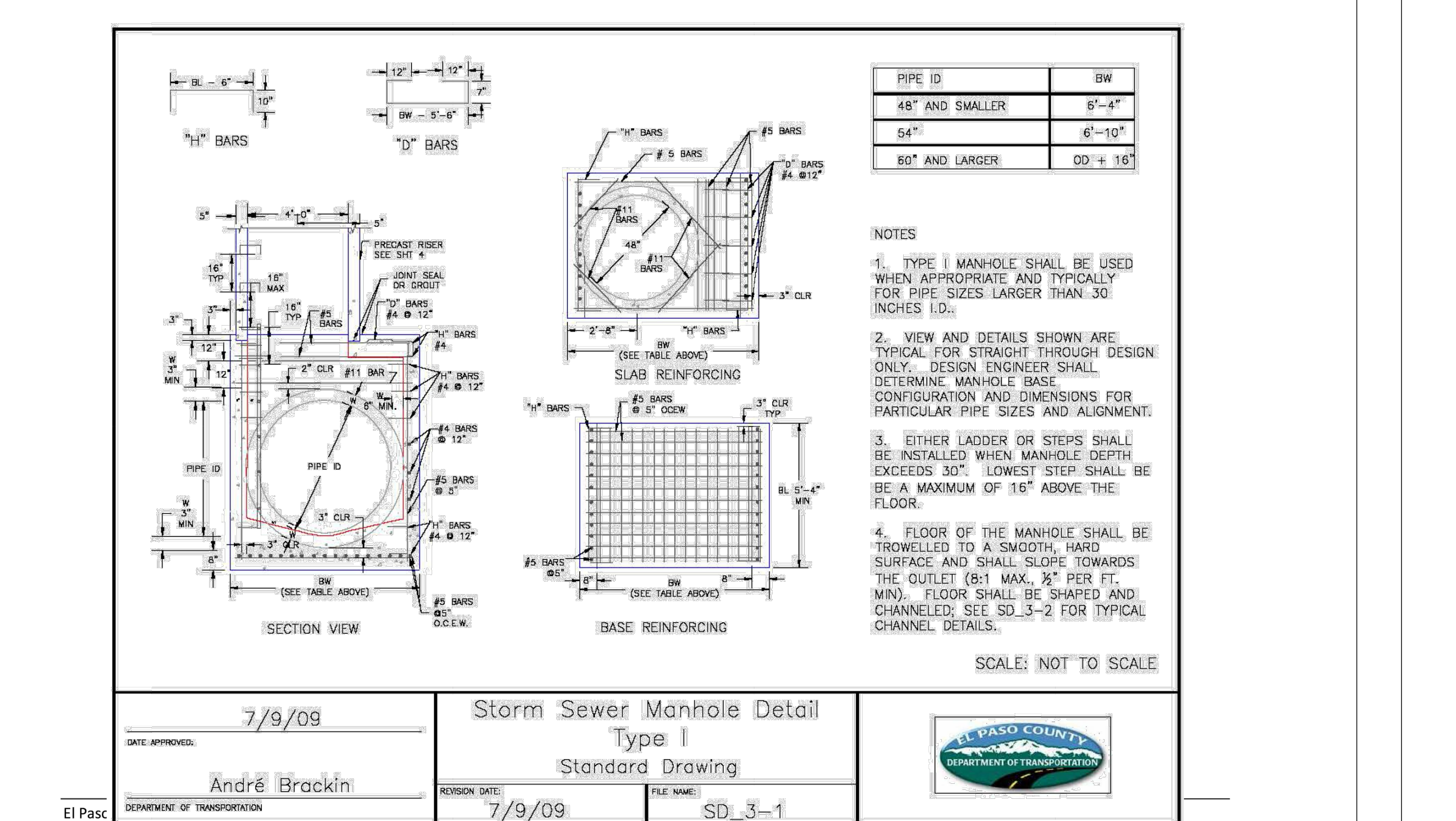
MARK	BAR # OR SIZE	O.C. SPACING	TYPE	ALL INLETS			INLETS: H ≤ 5 FT.			INLETS: H > 5 FT.		
				NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.
401	4	12"	II	15	21	21	26	11	11	11	*	
402	4	12"	II	7	7	33	38	7	7	7	*	
403	4	9"	II	*	4-0"	*	4-0"	*	4-0"	*	4-0"	
405	4	6"	VI	11	6-10"	21	6-10"	31	6-10"	11	6-10"	
406	4	6"	VIII	7	8-10"	7	13-10"	7	13-10"	7	8-10"	
407	4	9"	II	*	5-10"	*	10-10"	*	15-10"	*	5-10"	
408	4	12"	II	*	10-10"	3	13-10"	3	17-10"	3	10-10"	
409	4	9"	II	6	5-10"	6	10-10"	6	15-10"	6	10-10"	
410	4	12"	VIII					3	3	3	*	
411	4	12"	II					3	5-2"	3	10-2"	
412	4	12"	II					3	2-9"	3	2-9"	
413	4	9"	II					7	10-10"	7	10-10"	
501	5	5/2"	IV	11	3-4"	22	3-4"	33	3-4"	22	3-4"	
502	5	5/2"	III					11	11-5"	17	11-5"	
503	5	5/2"	II	5	3-6"	16	3-6"	27	3-6"	6	3-6"	
504	5	5/2"	IK					5	8-4"			

**TABLE ONE ~ BAR LIST FOR CURB INLETS, TYPE "R"**

"H"	LENGTH	REGULAR		DROP BOX		L = 5 FT.		L = 10 FT.		L = 15 FT.	
		REGULAR	DROP BOX	CONC. LBS.	STEEL LBS.	CONC. LBS.	STEEL LBS.	CONC. LBS.	STEEL LBS.	CONC. LBS.	STEEL LBS.
3'-0"	2'-8"	1'-8"	10	7	3.2	285	5.3	497	7.4	706	
3'-0"	3'-2"	2'-2"	10	7	3.4	305	5.7	528	7.9	747	
4'-0"	3'-8"	2'-8"	12	8	3.7	326	6.0	559	8.4	786	
4'-0"	4'-2"	3'-2"	12	9	3.9	334	6.4	571	8.8	803	
5'-0"	4'-8"	3'-8"	14	11	4.1	354	6.7	602	9.3	844	
5'-0"	5'-2"	4'-2"	16	13	4.4	375	6.9	607	7.4	850	
6'-0"	5'-8"	4'-8"	16	13	4.6	382	6.2	616	7.6	860	
6'-0"	6'-2"	5'-2"	18	15	4.8	402	6.4	637	7.8	880	
7'-0"	6'-8"	5'-8"	20	17	5.0	423	6.6	654	8.0	897	
7'-0"	7'-2"	6'-2"	20	17	5.3	430	6.9	664	8.3	897	
8'-0"	7'-8"	6'-8"	22	19	5.5	450	7.1	684	8.5	927	
8'-0"	8'-2"	7'-2"	24	21	5.7	471	7.3	702	8.7	944	
9'-0"	8'-8"	7'-8"	24	21	6.0	479	7.6	711	9.0	954	
9'-0"	9'-2"	8'-2"	26	23	6.2	499	7.8	732	9.2	974	
10'-0"	9'-8"	8'-8"	28	25	6.4	520	8.0	749	9.4	992	
10'-0"	10'-2"	9'-2"	28	25	6.7	527	8.3	759	9.7	1001	
11'-0"	10'-8"	9'-8"	30	27	6.9	547	8.5	779	9.9	1022	

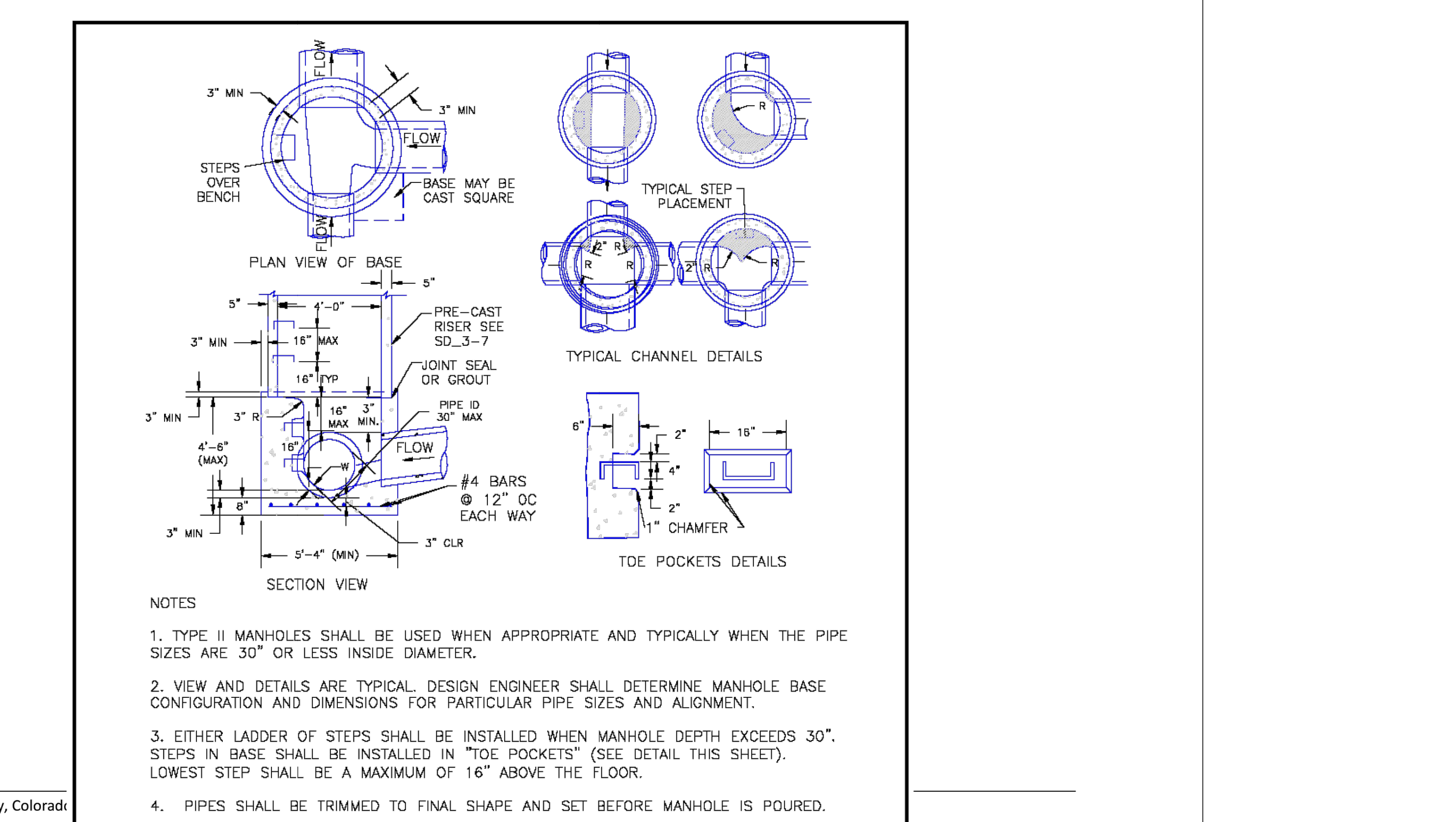


- ENGINEERING CRITERIA MANUAL  
Appendix F STANDARD DRAWINGS



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

- 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
Storm Sewer Manhole Detail Type I Standard Drawing		El Paso County DEPARTMENT OF TRANSPORTATION	

**ALL TERRAIN ENGINEERING**  
 PREPARED FOR: TURKEY CANON QUARRY INC., 20 BOULDER CREEK STREET, SUITE 100, COLORADO SPRINGS, CO 80903  
 ATTN: JIM MORLEY (719) 491-3024  
 JIMORLEY3670@AOL.COM

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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 7 OF 8



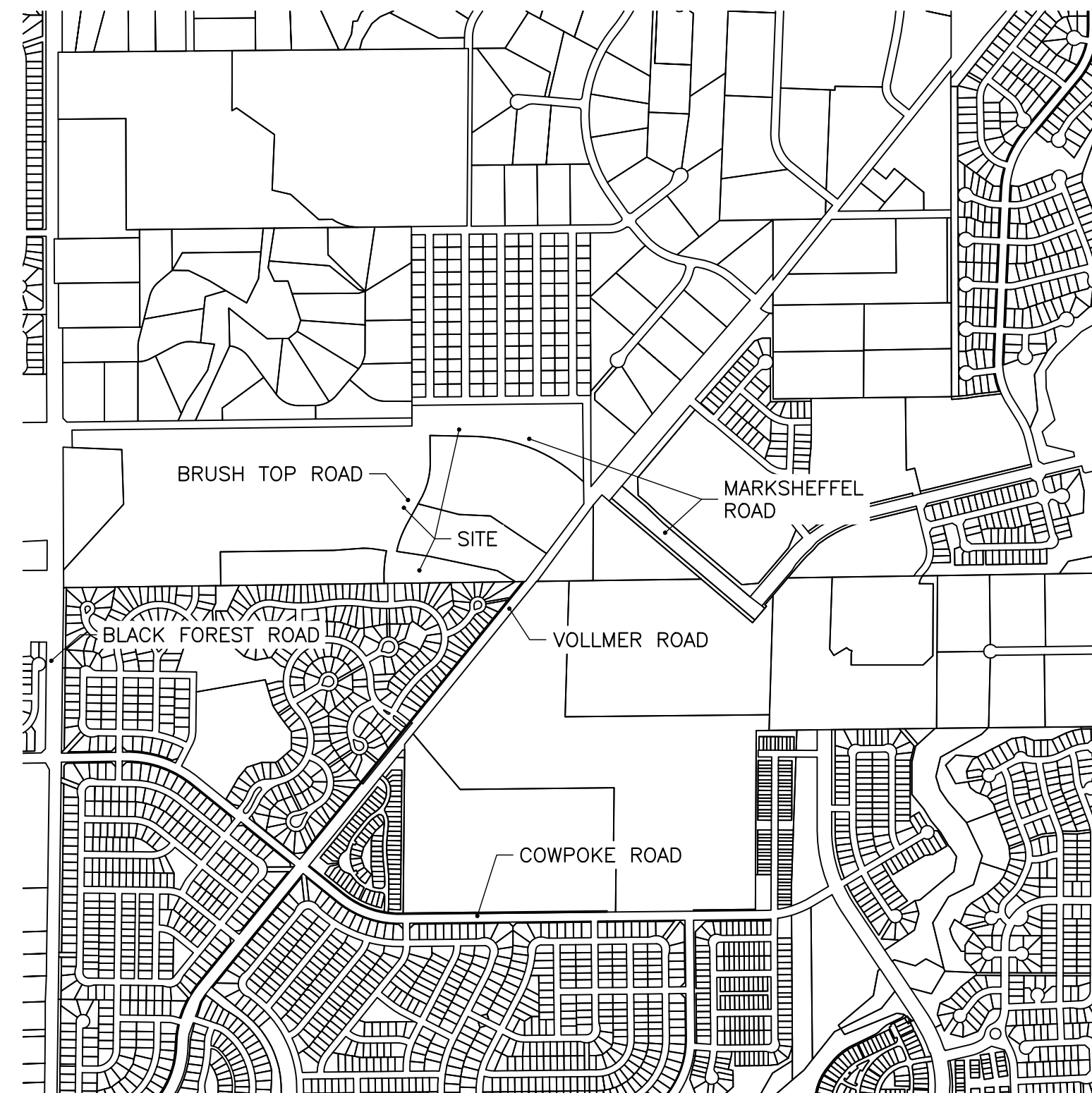
# SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE

## EL PASO COUNTY, CO

### SANITARY SEWER MAIN EXTENSION

#### GENERAL NOTES

- ALL UTILITY CONSTRUCTION TO BE CONDUCTED IN CONFORMANCE WITH THE CURRENT STERLING RANCH METROPOLITAN DISTRICT (SRMD, THE DISTRICT) SPECIFICATIONS.
- 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.
- ALL STATIONING IS CENTERLINE UNLESS OTHERWISE NOTED. ALL ELEVATIONS ARE CENTERLINE UNLESS OTHERWISE NOTED.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- ALL BENDS SHALL BE FIELD STAKED PRIOR TO THE START OF CONSTRUCTION.
- 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.
- 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.
- ALL UNUSED SALVAGED WATER UTILITY MATERIAL SHALL BE RETURNED TO THE METROPOLITAN DISTRICT AS REQUESTED.
- 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.
- PUMPING OR BYPASS OPERATIONS SHALL BE REVIEWED AND APPROVED BY BOTH THE DISTRICT AND THE DISTRICT ENGINEER PRIOR TO EXECUTION.
- 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.
- 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.
- 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.
- COMMENCEMENT OF CONSTRUCTION OF WATER/SEWER SYSTEMS WITHIN THE METROPOLITAN DISTRICT:
  - 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.
  - 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.
- TESTING OF FACILITIES:
  - THE CONTRACTOR SHALL NOTIFY THE DISTRICT A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF ANY TESTING.
  - 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).
  - 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.
- 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.
- 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.
- ACCEPTANCE:
  - THE DISTRICT MAY GIVE PRELIMINARY ACCEPTANCE ONCE ALL OF THE TESTS ON ALL THE LINES HAVE BEEN COMPLETED AND A WALK-THRU HAS OCCURRED.
  - 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).
- ALL WATER AND SEWER MAINS, INCLUDING SERVICE LINES, SHALL HAVE "AS-BUILT" DRAWINGS PREPARED AND APPROVED PRIOR TO PRELIMINARY ACCEPTANCE BY THE DISTRICT.
- 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.
- 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.
- 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

- 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

#### WASTEWATER SYSTEM INSTALLATION NOTES

- 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.
- ALL SANITARY SEWER MANHOLES SHALL BE WRAPPED WITH RU116 - RUBR-NEK JOINT WRAP OR EQUIVALENT AND COATED.
- COMMENCEMENT OF USE OF SEWER LINES AND/OR SYSTEMS:
  - 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.
  - 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.
  - ALL NECESSARY EASEMENTS (PLATTED OR DEEDED) ARE DEDICATED, EXECUTED BY THE DISTRICT, AND RECORDED.
  - 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
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 \_\_\_\_\_  
FAWWA 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. \_\_\_\_\_ DATE \_\_\_\_\_  
COLORADO P.E. 54412  
FOR AND ON BEHALF OF ALL TERRAIN ENGINEERING LLC

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.



PCD FILING NO.:



PREPARED FOR:  
TURKEY CANON QUARRY INC.  
20 BOULDER CRESCENT, SUITE 201  
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.

DATE	LOCATION: #	REV	DESCRIPTION

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE  
COVER

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

H-SCALE: 1" = 1000'

V-SCALE: N/A

SHEET

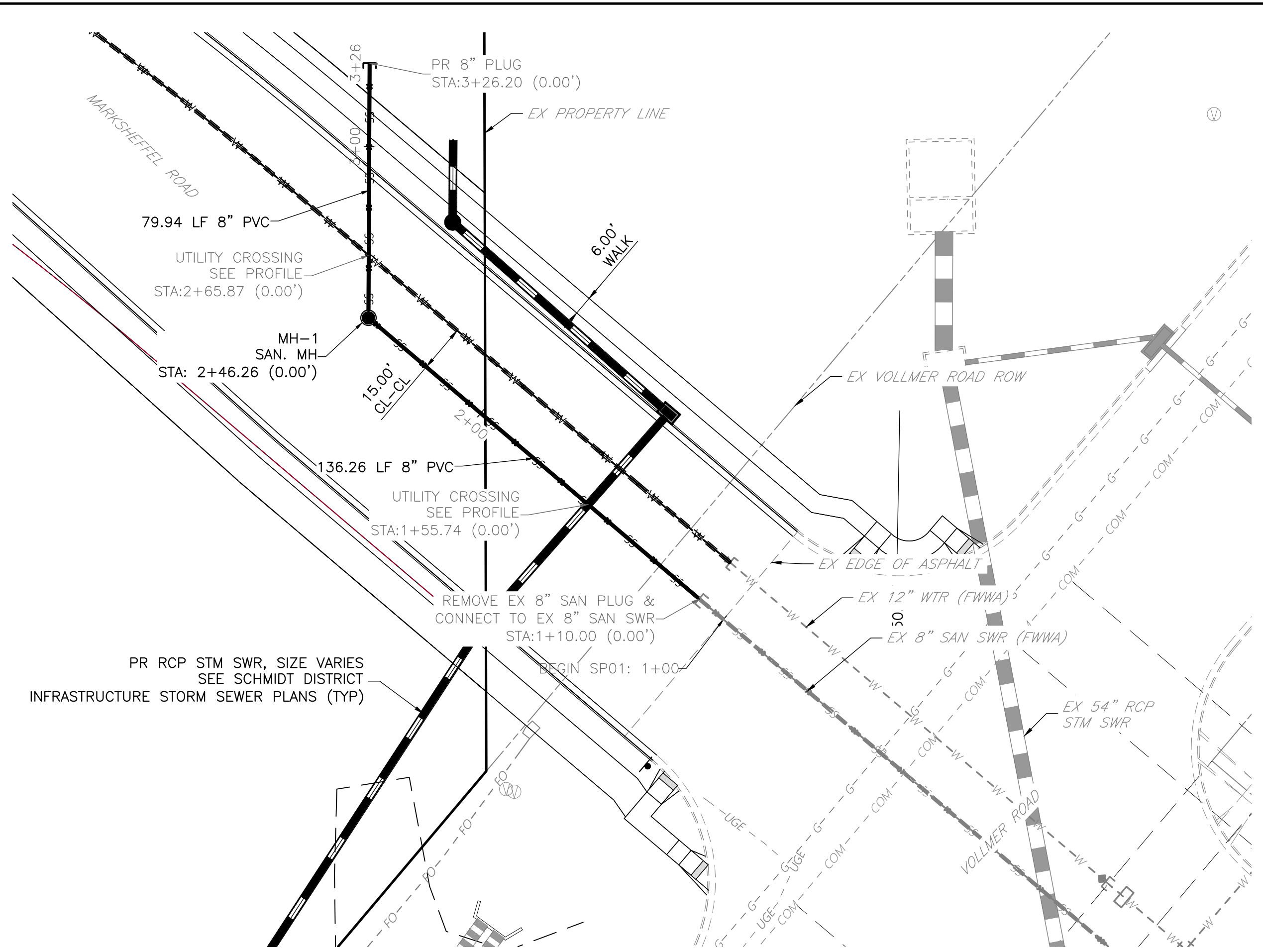
1 OF 4

RYAN E. BURNS, P.E. 54412  
ALL TERRAIN ENGINEERING, INC. 10/27/2024

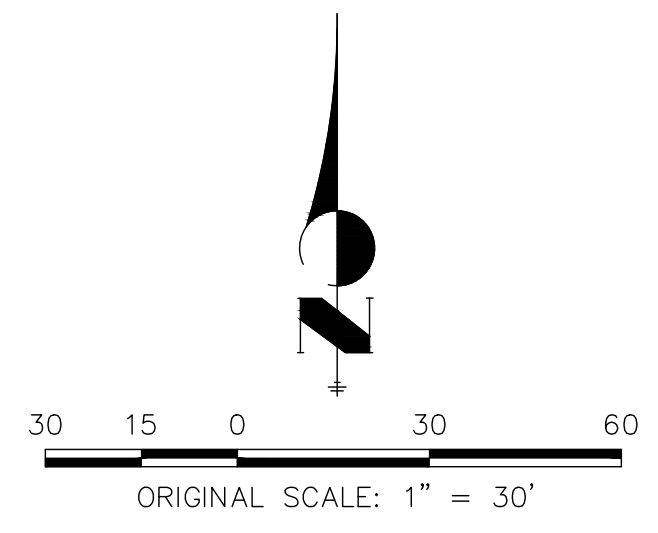
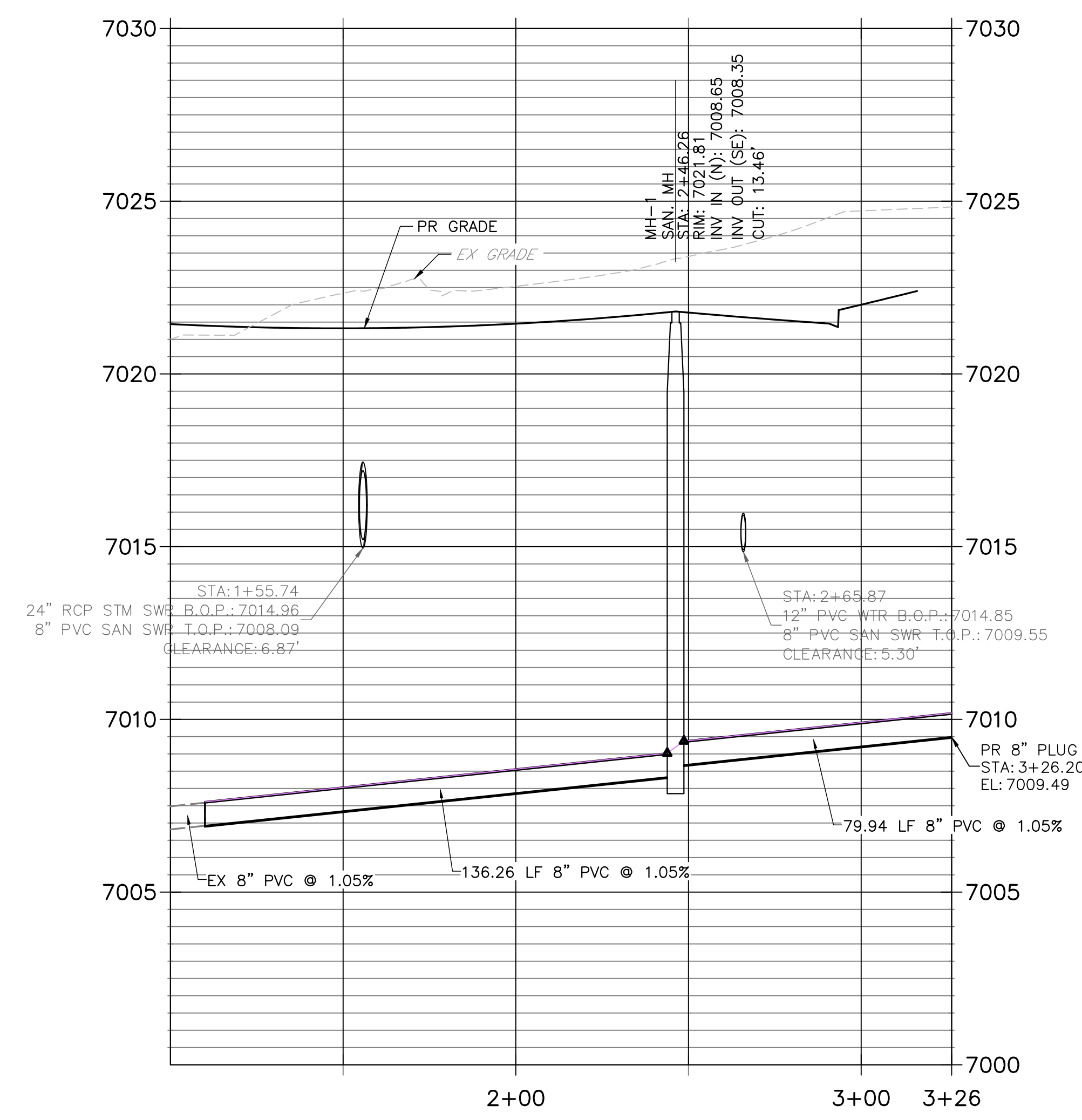








**SP01  
STA 1+00.00 TO 3+26.20**



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

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

DATE \_\_\_\_\_

RYAN E. BURNS, P.E.  
550 391 7600 - RAB@allterraineng.com

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





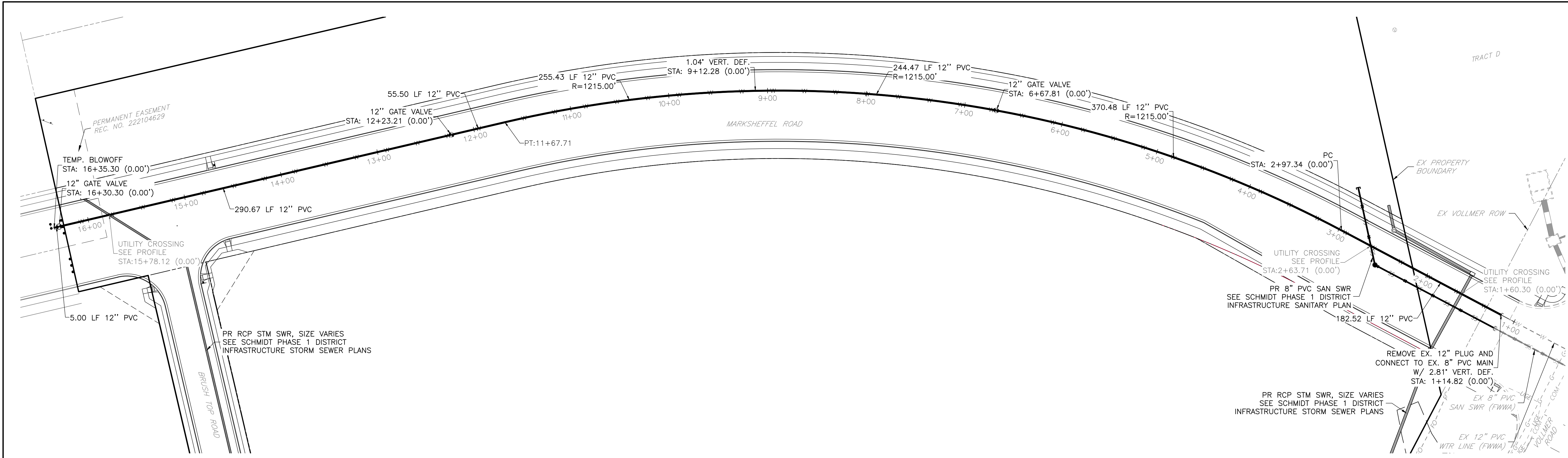




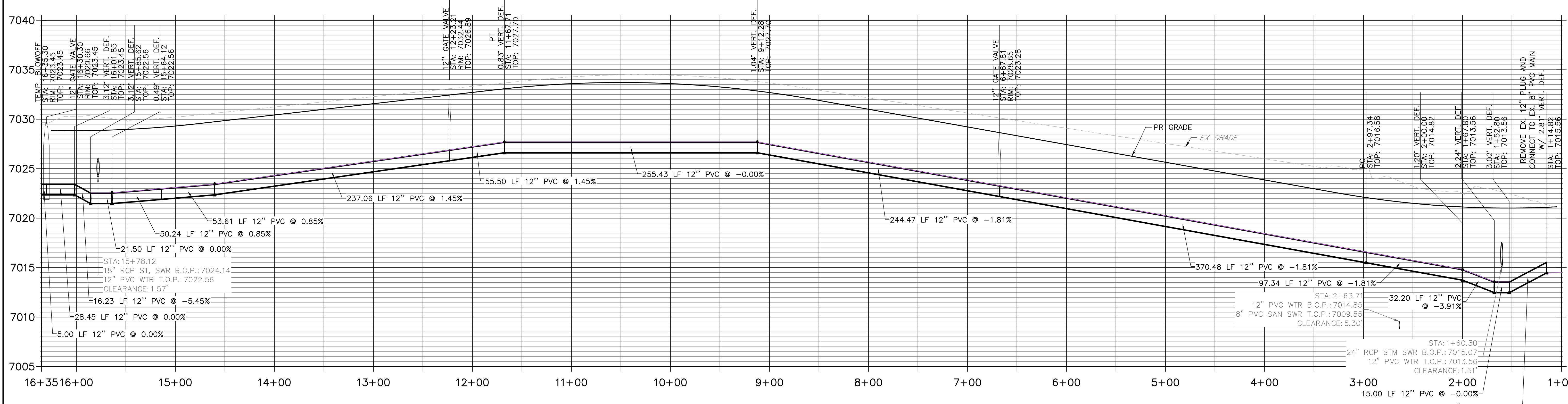






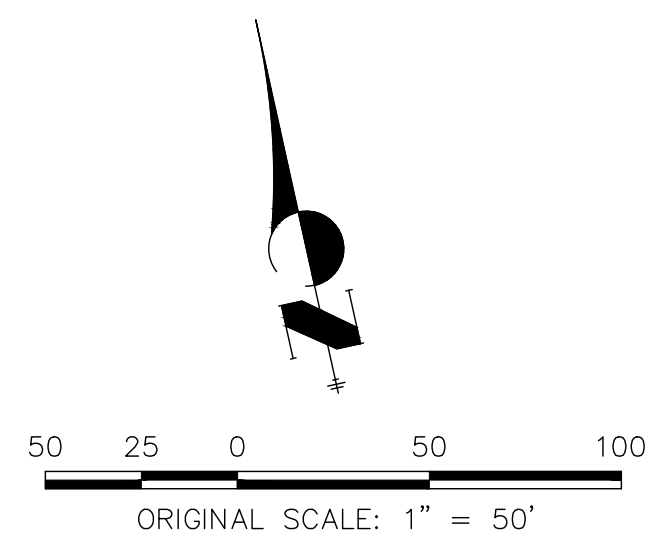


**ALIGNMENT WP01  
STA 1+00.00 TO 16+35.30**



Know what's below.  
Call before you dig.

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



PREPARED FOR:  
TURKEY 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.

REV	DESCRIPTION	DATE

SCHMIDT PHASE 1 - DISTRICT INFRASTRUCTURE

DESIGN: REB  
REVIEW: NOJ  
DATE: 12/09/2024  
H-SCALE: 1" = 50'  
V-SCALE: 1" = 5'  
SHEET  
3 OF 5

RYAN E. BURNS P.E.  
COLORADO P.E. 54412  
ALL TERRAIN ENGINEERING LLC  
10157 88th Ave - Boulder, CO 80504  
303.440.1234  
www.allterrainengineering.com



