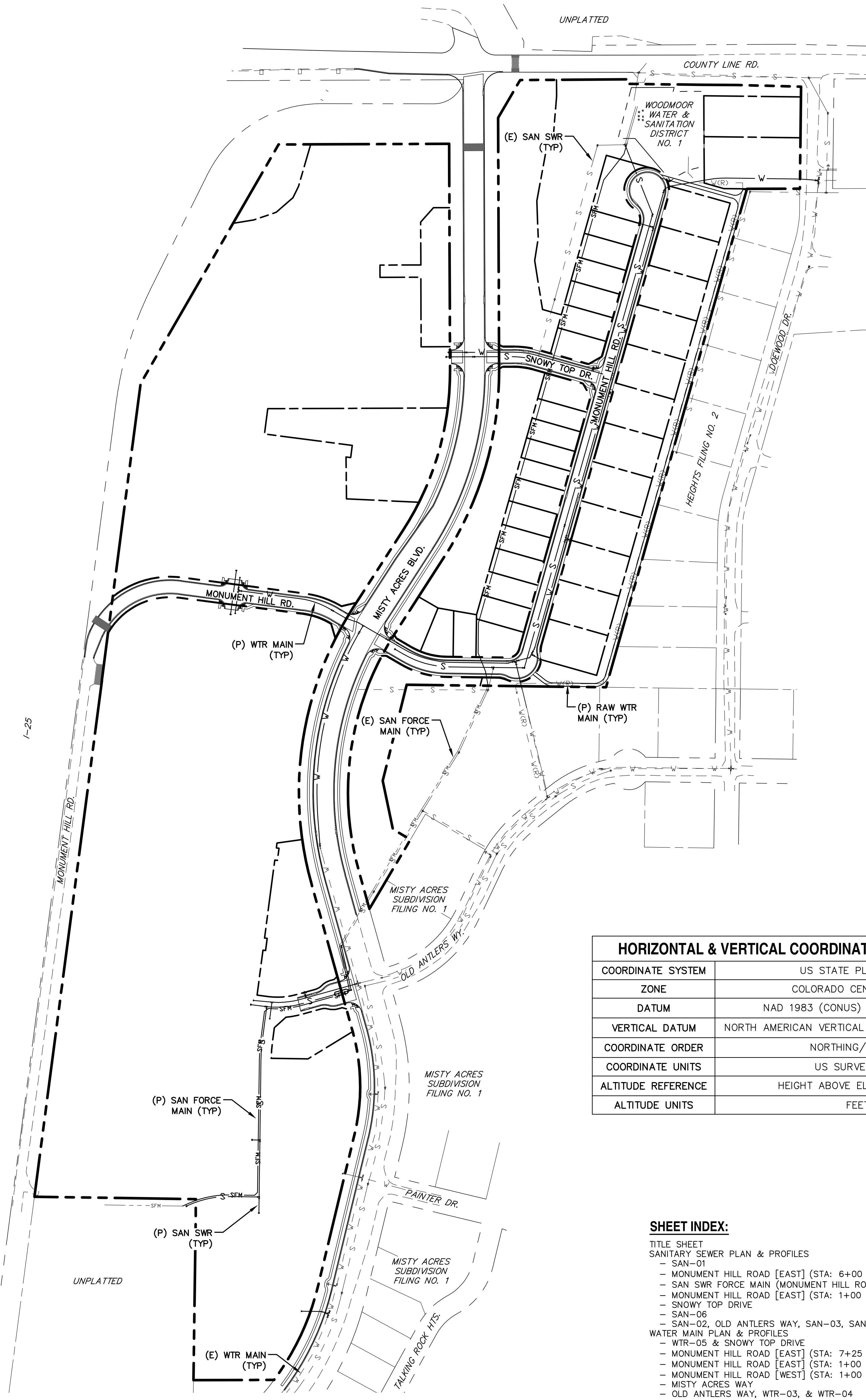
MONUMENT RIDGE EAST FILING NO. 1
WATER, SANITARY SEWER, AND SANITARY SEWER FORCE MAIN
PLAN & PROFILES
EL PASO COUNTY, COLORADO

GENERAL NOTES:

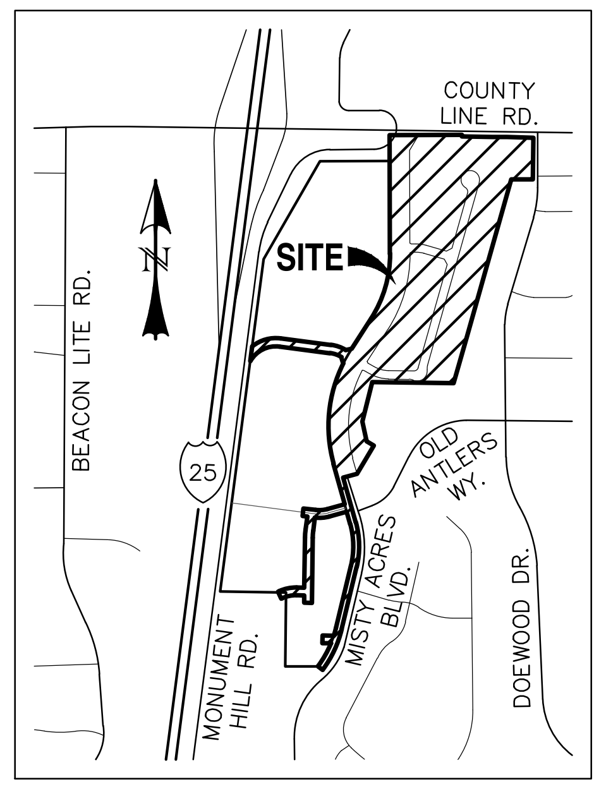
1. ALL MATERIALS AND INSTALLATION PROCEDURES WILL COMPLY WITH THE SYSTEM SPECIFICATIONS AND THE RULES AND REGULATIONS OF WOODMOOR WATER AND SANITATION DISTRICT NO. 1.
2. DEVELOPER/OWNER OR CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND OBTAINING ANY AND ALL PERMITS REQUIRED TO PERFORM THE WORK FROM ALL APPLICABLE REGULATORY AGENCIES OR ENTITIES HAVING JURISDICTION AND WILL PERFORM THE WORK IN ACCORDANCE WITH ANY AND ALL APPLICABLE ORDINANCES, REGULATIONS, LAWS, AND PERMITS ISSUED BY SUCH ENTITIES OR AGENCIES.
3. CONTRACTOR SHALL POTHOLE AND FIELD VERIFY ELEVATIONS, PIPE SIZE, TYPE, ALIGNMENT, ETC. OF EXISTING WATER LINES AT ALL NOTED CONNECTION POINTS TO THE DISTRICT'S SYSTEM.
4. IN CASE OF CONFLICT BETWEEN THESE PLANS AND THE SYSTEM SPECIFICATIONS, CONSULT THE DISTRICT PRIOR TO COMMENCING WORK.
5. CONTRACTOR SHALL SCHEDULE REQUIRED TESTS WITH THE DISTRICT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO PERFORMING SCHEDULED TESTS FOR OBSERVATION BY DISTRICT PERSONNEL.
6. BYPASS PUMPING OF EXISTING SANITARY SEWER FLOWS IS REQUIRED WHEN CONNECTING TO THE DISTRICT'S EXISTING SEWER SYSTEM. CONTRACTOR SHALL PROVIDE 100% REDUNDANT PUMPING CAPACITY WITH CONTINUOUS SUPERVISION DURING PUMPING OPERATIONS. CONTRACTOR SHALL COORDINATE TIMING, LOCATION, ETC. OF BYPASS PUMPING OPERATIONS WITH THE DISTRICT PRIOR TO COMMENCING PUMPING OPERATIONS.

WATER AND SEWER SERVICE LINE NOTES:

1. SANITARY SEWER SERVICE TAP CONNECTIONS WILL BE LOCATED A MINIMUM OF 5 FEET AWAY FROM ANY MANHOLE, EXISTING SEWER TAP, OR PIPE BELL.
2. FOR NEW INSTALLATIONS OF SANITARY SEWER MAINLINE, SEWER SERVICE TAP CONNECTIONS TO BE INSTALLED ON THE MAIN WITH A GASKET WYE OR TEE FITTING. FOR SERVICE TAP CONNECTIONS TO EXISTING SEWER MAINLINES, A SEWER SERVICE SADDLE TAP MAY BE INSTALLED.
3. SEWER SERVICE LINES/STUBS WILL BE INSTALLED SUCH THAT A SEWER SERVICE CLEAN OUT IS LOCATED 5 FEET INTO THE PROPERTY OR CENTERED IN THE FRONT LOT EASEMENT, WHICHEVER IS LESS, AND BE LOCATED A MINIMUM OF 10 FEET AWAY FROM ANY SIDE LOT LINE. TRACER WIRE FROM THE SEWER TAP AT THE MAIN TO THE CLEAN OUT AT THE PROPERTY LINE SHALL BE INSTALLED, AND A METAL TEE POST WILL BE INSTALLED NEXT TO THE CLEAN OUT FOR PROTECTION AND EASE OF LOCATION.
4. A MINIMUM OF 10 FEET OF HORIZONTAL SEPARATION MUST BE MAINTAINED BETWEEN WATER SERVICE LINES AND SEWER SERVICE LINES.
5. WATER SERVICE LINES/STUBS WILL BE 3/4-INCH IN DIAMETER UNLESS OTHERWISE NOTED AND INSTALLED SUCH THAT THE CURB STOP IS LOCATED 5 FEET INTO THE PROPERTY OR CENTERED IN THE FRONT LOT EASEMENT, WHICHEVER IS LESS, AND A MINIMUM OF 10 FEET FROM ANY SEWER SERVICE LINE OR SEWER CLEAN OUT.
6. CURB STOPS AND BOXES SHALL BE BURIED SUCH THAT 6-FEET (± 0') OF COVER EXISTS AS MEASURED FROM FINISHED GRADE TO THE TOP OF THE SERVICE LINE. A METAL TEE POST WILL BE INSTALLED AT THE CURB STOP BOX FOR PROTECTION AND EASE OF LOCATION.
7. WATER SERVICE TAPS WILL NOT BE LOCATED ON A FIRE HYDRANT LATERAL OR WITHIN 30 INCHES FROM A PIPE BELL, VALVE, OR MECHANICAL JOINT CONNECTION. WATER TAPS WILL MAINTAIN MINIMUM 5 FOOT SPACING FROM OTHER TAPS ON THE WATER MAIN.
8. DIRECT TAPPING OF WATER SERVICE LINE CORPORATION STOPS (E.G., NO SADDLE) WILL NOT BE PERMITTED ON ANY PIPE TYPE EXCEPT NEW DUCTILE IRON PIPE INSTALLATIONS.



SITE MAP
SCALE: N.T.S.



VICINITY MAP
SCALE: N.T.S.

ENGINEERS STATEMENT:

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE DISTRICT RULES AND REGULATIONS AND SYSTEM SPECIFICATIONS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR UTILITY 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.

NOT FOR CONSTRUCTION

RAYMOND
DATE

OWNER STATEMENT:

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THESE UTILITY CONSTRUCTION PLANS AND ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

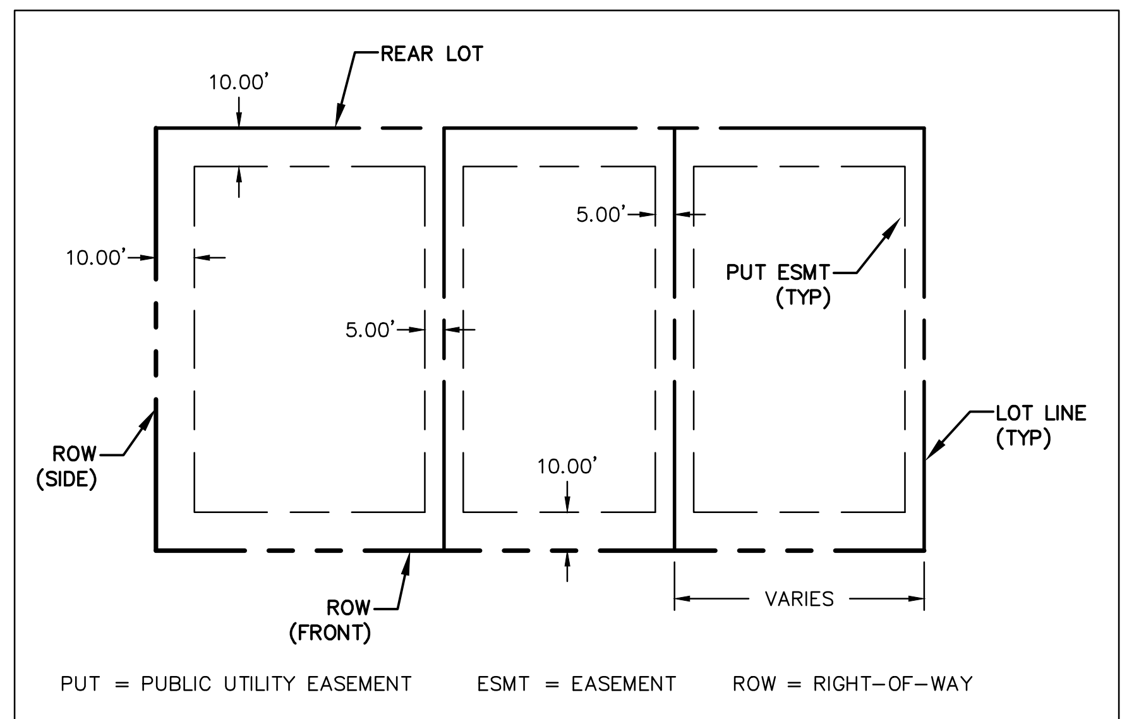
OWNER/DEVELOPER NAME:
DATE

FIRE AUTHORITY APPROVAL:

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

FIRE PROTECTION DISTRICT:

SIGNED:
DATE



PUT = PUBLIC UTILITY EASEMENT   ESMT = EASEMENT   ROW = RIGHT-OF-WAY

(TYPICAL UTILITY EASEMENT AS SHOWN, UNLESS OTHERWISE SHOWN ON PLAN)

SINGLE FAMILY LOT UTILITY EASEMENTS
SCALE: N.T.S.

LEGEND

EXISTING	(E)
PROPOSED	(P)
CURB AND GUTTER	C&G
EASEMENT	ESMT
DRAINAGE	DR
PUBLIC IMPROVEMENT	PI
PUBLIC	PUB
PRIVATE	PVT
UNDERGROUND	UG
UTILITY	UT
SANITARY	SAN
SEWER	SWR
FORCE MAIN	SFM
WATER	WTR
UNDERDRAIN	UD
MATCH EXISTING	[M]
BOUNDARY	━━ ━ ━ ━ ━━
RIGHT-OF-WAY	━━ ━ ━ ━━
LOT LINE	━━ ━ ━━ ━ ━━
EASEMENT	— — — — — — — — —
(E) UG ELECTRIC	— — E — — E — — E —
(E) GAS MAIN	— — G — — G — — G —
(E) FIBER OPTIC	— — FO — — FO — — FO —
(E) OVERHEAD UTILITY	— — OHU — — OHU —
(E) STORM SEWER, INLET, MH	═══▭═══ ═══○
(E) SANITARY MAIN, MH	— — S — ⓢ S — — S —
(E) SANITARY FORCE MAIN	- - - SFM - - - SFM - - - SFM -
(E) WATER MAIN, VALVE, FH	— — W — ⋈ W — — W ○
(E) RAW WATER MAIN	— — W(R) — — W(R) —
(P) SANITARY MAIN, MH	—— S —●— S ——
(P) SANITARY FORCE MAIN	—— SFM —— SFM ——
(P) STORM SEWER, INLET, MH	━━━▭━━━ ━━━○
(P) WATER MAIN, VALVE, FH	—— W —⋈— W —●

HORIZONTAL & VERTICAL COORDINATE SYSTEM DATA	
COORDINATE SYSTEM	US STATE PLANE 1983
ZONE	COLORADO CENTRAL 0502
DATUM	NAD 1983 (CONUS) (MOLONDENSKY)
VERTICAL DATUM	NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88)
COORDINATE ORDER	NORTHING/EASTING
COORDINATE UNITS	US SURVEY FEET
ALTITUDE REFERENCE	HEIGHT ABOVE ELLIPSOID (HAE)
ALTITUDE UNITS	FEET

SHEET INDEX:

TITLE SHEET 1 OF 12
SANITARY SEWER PLAN & PROFILES
- SAN-01 2 OF 12
- MONUMENT HILL ROAD [EAST] (STA: 6+00 ~ 14+50) 2 OF 12
- SAN SWR FORCE MAIN (MONUMENT HILL ROAD) 3 OF 12
- MONUMENT HILL ROAD [EAST] (STA: 1+00 ~ 6+00) 4 OF 12
- SNOWY TOP DRIVE 4 OF 12
- SAN-06 4 OF 12
- SAN-02, OLD ANTLERS WAY, SAN-03, SAN-04, & SAN-05 5 OF 12
WATER MAIN PLAN & PROFILES
- WTR-05 & SNOWY TOP DRIVE 6 OF 12
- MONUMENT HILL ROAD [EAST] (STA: 7+25 ~ 17+25) 7 OF 12
- MONUMENT HILL ROAD [EAST] (STA: 1+00 ~ 7+25 & WTR-01 8 OF 12
- MONUMENT HILL ROAD [WEST] (STA: 1+00 ~ 4+50) & WTR-02 8 OF 12
- MISTY ACRES WAY 9 OF 12
- OLD ANTLERS WAY, WTR-03, & WTR-04 9 OF 12
UTILITY SERVICE PLAN 10 OF 12
DETAIL SHEET 11 OF 12
DETAIL SHEET 12 OF 12

EL PASO COUNTY:

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 DIRECTOR'S DISCRETION.

JOSHUA J. PALMER, P.E.
COUNTY ENGINEER / ECM ADMINISTRATOR
DATE

WOODMOOR WATER AND SANITARY DISTRICT NO. 1

APPROVED FOR CONSTRUCTION

DATE
BY

THESE PLANS HAVE BEEN REVIEWED ONLY FOR GENERAL CONFORMANCE WITH DISTRICT RULES AND REGULATIONS AND SYSTEM SPECIFICATIONS. REVIEW AND CONSTRUCTION APPROVAL BY THE DISTRICT DOES NOT RELIEVE THE DEVELOPER/OWNER AND/OR CONTRACTOR FROM RESPONSIBILITY FOR COMPLIANCE WITH ANY RULES, REGULATIONS OR SPECIFICATIONS REQUIRED BY THE DISTRICT.

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	01/06/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	09/22/26

811 Know what's below. Call 72 hours before you dig.
For more details visit:

PREPARED FOR:

MONUMENT RIDGE EAST, LLC

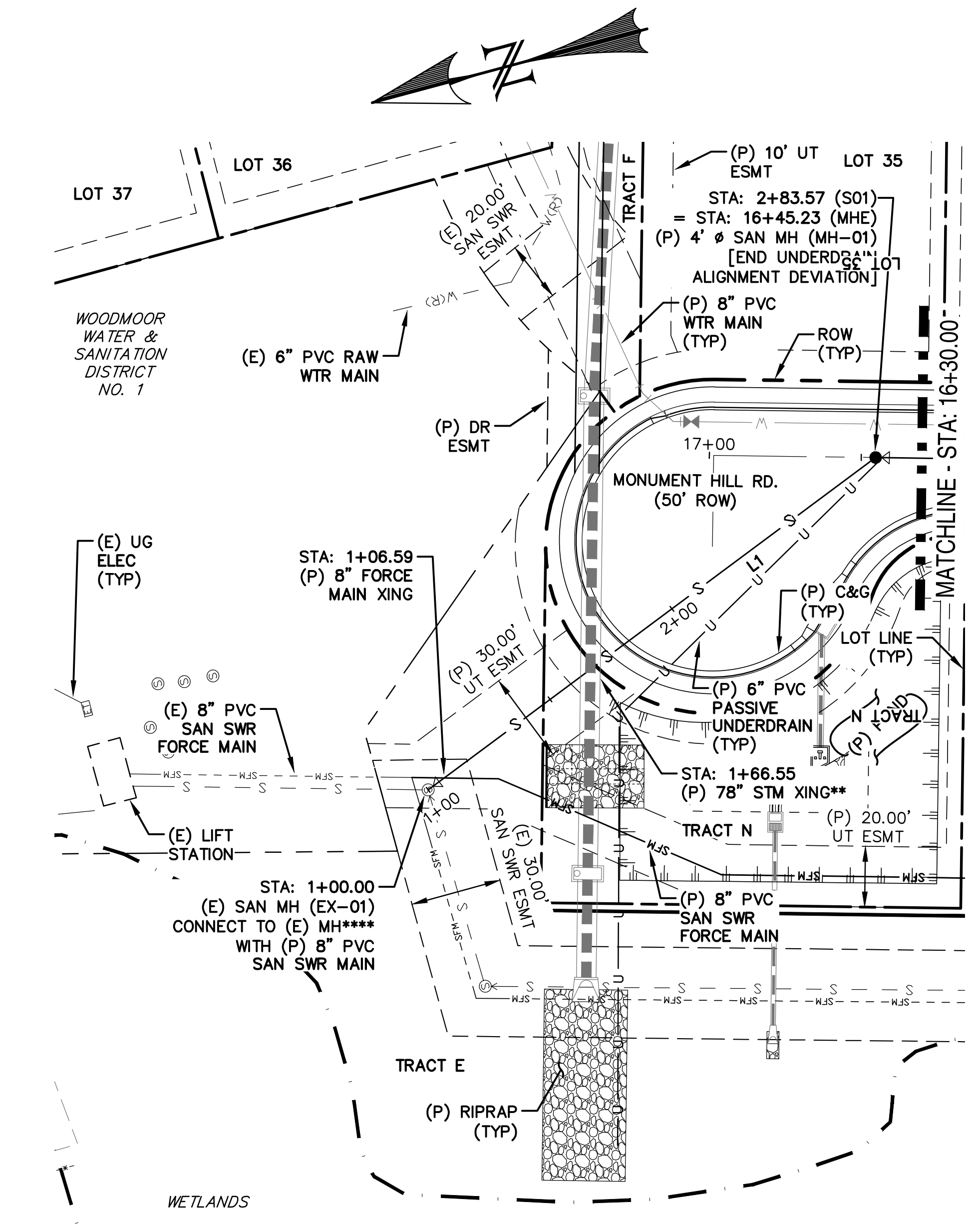
5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

PRC ENGINEERING
1685 W. UINTAH STREET, SUITE 114
COLORADO SPRINGS, CO 80904
(719) 291-2744

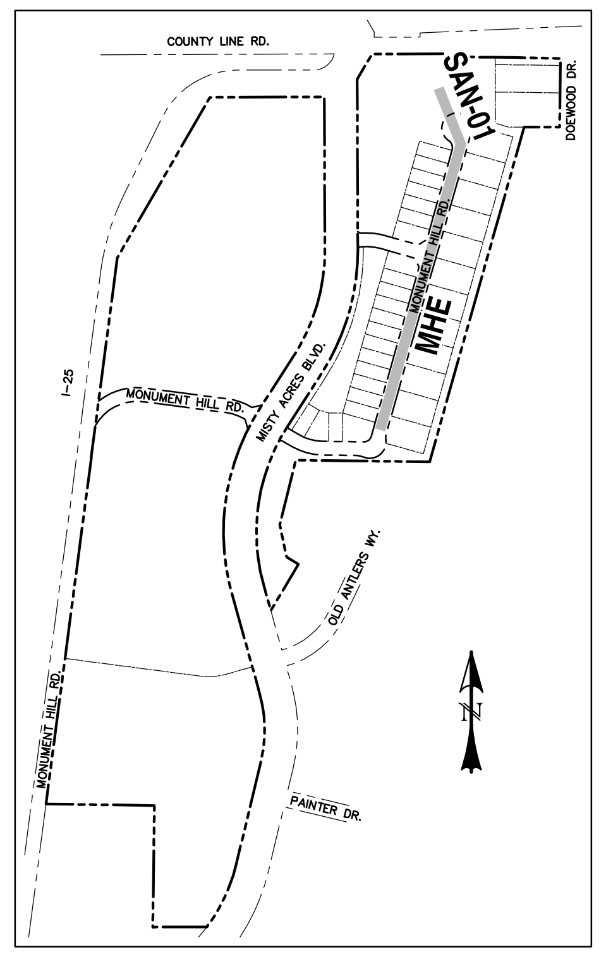
MONUMENT RIDGE EAST
FILING NO. 1

UTILITY CONSTRUCTION DRAWINGS

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: N/A	DATE: 04/28/25
JOB NUMBER	SHEET
24-001	1 OF 12



SAN-01
STA: 1+00 ~ 2+90



LOCATION MAP
SCALE: N.T.S.

NOTES:

1. THE 8" GRAVITY MAIN SHALL BE SDR 35 PVC OR SDR 26. THE 8" FORCE MAIN SHALL BE C900 PVC DR14.
2. FOR PIPELINES THAT ARE TO BE PLACED IN THE SAME TRENCH, A 4' HORIZONTAL SEPARATION WILL BE MAINTAINED, CENTERLINE TO CENTERLINE. THE 8" FORCE MAIN IS TO BE LAID AT THE SAME ELEVATION AS THE 8" GRAVITY MAIN UNLESS OTHERWISE NOTED.
3. FOR MAINS IN PROPOSED STREETS, STATIONING IS RELATIVE TO STREET'S CENTERLINE.
4. FOR MAINS NOT ASSOCIATED WITH A PROPOSED STREET, STATIONING IS RELATIVE TO THE MAIN'S CENTERLINE.

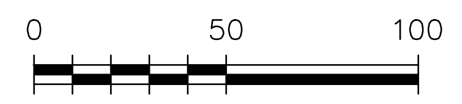
* THE LOCATION OF ALL EXISTING UTILITIES (HORIZONTAL & VERTICAL) SHALL BE FIELD VERIFIED PRIOR TO BEGINNING OF CONSTRUCTION.

** SEE PROFILE FOR CROSSING INFORMATION.

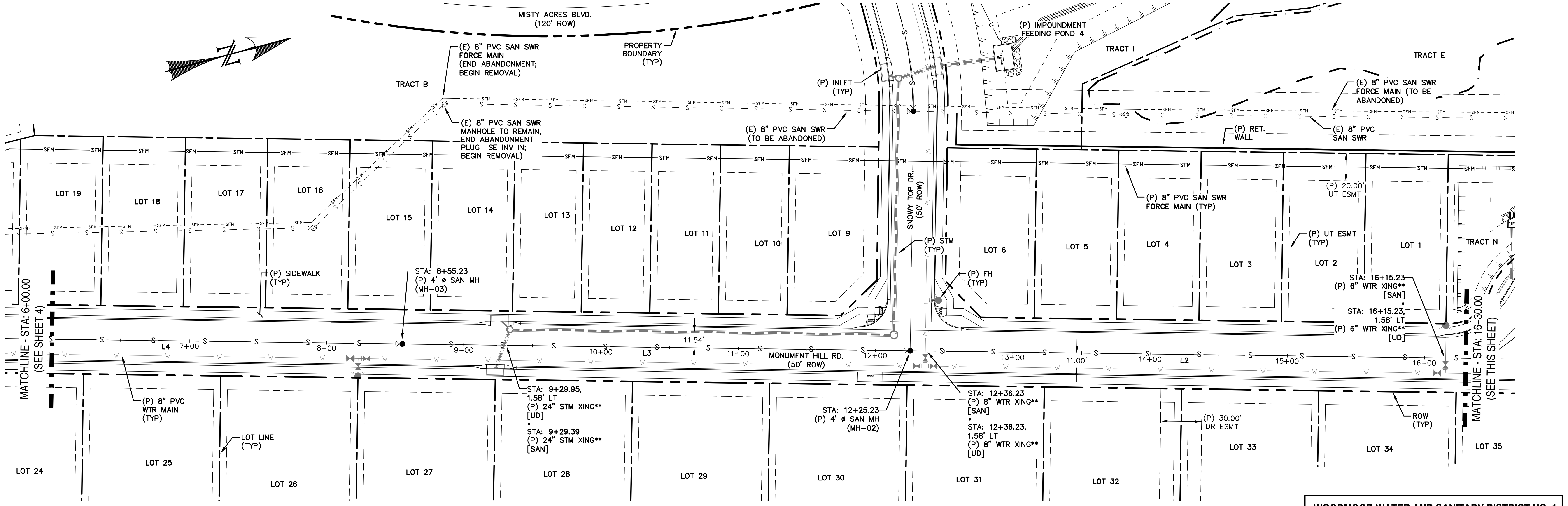
*** LENGTH OF PIPE DOES NOT EQUAL DIFFERENCE IN STATIONING.

**** (P) TIE TO THE (E) MANHOLE WILL REQUIRE CORE DRILLING PER DWG **S-13**. RECONSTRUCTION OF THE MANHOLE CHANNEL, BENCH, & INVERT PER DWG **S-6**. SEE MODIFICATION DETAIL FOR EXISTING MANHOLE (**EX-01**) ON SHEET **11**.

CONTRACTOR TO VERIFY INVERT ELEVATIONS PRIOR TO CONSTRUCTION.



HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'


MISTY ACRES BLVD. (120' ROW)
PROPERTY BOUNDARY (TYP)
(P) IMPOUNDMENT FEEDING POND 4
TRACT B
TRACT I
TRACT E
(E) 8" PVC SAN SWR FORCE MAIN (END ABANDONMENT; BEGIN REMOVAL)
(E) 8" PVC SAN SWR MANHOLE TO REMAIN, END ABANDONMENT PLUG SE INV IN; BEGIN REMOVAL)
(P) INLET (TYP)
(E) 8" PVC SAN SWR (TO BE ABANDONED)
(E) 8" PVC SAN SWR FORCE MAIN (TO BE ABANDONED)
(E) 8" PVC SAN SWR
(P) RET. WALL
LOT 19
LOT 18
LOT 17
LOT 16
LOT 15
LOT 14
LOT 13
LOT 12
LOT 11
LOT 10
LOT 9
SNOWY TOP DR. (50' ROW)
LOT 6
LOT 5
LOT 4
LOT 3
LOT 2
LOT 1
TRACT N
(P) 8" PVC SAN SWR FORCE MAIN (TYP)
(P) 20.00' UT ESMT
(P) UT ESMT (TYP)
MATCHLINE - STA: 6+00.00 (SEE SHEET 4)
(P) SIDEWALK (TYP)
STA: 8+55.23 (P) 4' ø SAN MH (MH-03)
(P) STM (TYP)
(P) FH (TYP)
STA: 16+15.23 (P) 6" WTR XING** [SAN]
STA: 16+15.23, 1.58' LT (P) 6" WTR XING** [UD]
MATCHLINE - STA: 16+30.00 (SEE THIS SHEET)
L4
L3
L2
MONUMENT HILL RD. (50' ROW)
11.54'
11.00'
(P) 8" PVC WTR MAIN (TYP)
STA: 9+29.95, 1.58' LT (P) 24" STM XING** [UD]
STA: 9+29.39 (P) 24" STM XING** [SAN]
STA: 12+25.23 (P) 4' ø SAN MH (MH-02)
STA: 12+36.23 (P) 8" WTR XING** [SAN]
STA: 12+36.23, 1.58' LT (P) 8" WTR XING** [UD]
(P) 30.00' DR ESMT
ROW (TYP)
LOT LINE (TYP)
LOT 24
LOT 25
LOT 26
LOT 27
LOT 28
LOT 29
LOT 30
LOT 31
LOT 32
LOT 33
LOT 34
LOT 35

MONUMENT HILL ROAD [EAST]
STA: 6+00 ~ 17+00

LINE TABLE – SAN SWR		
LINE	BEARING	DISTANCE
L1	S21° 35' 09"E	183.57
L2	S15° 46' 17"W	420.00
L3	S15° 46' 17"W	370.00
L4	S15° 46' 17"W	363.45

WOODMOOR WATER AND SANITARY DISTRICT NO. 1

APPROVED FOR CONSTRUCTION

DATE ____________ BY ____________________

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REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
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3	ADDRESS AGENCY COMMENTS	01/06/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	09/22/26

811
Know what's below.
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ALIGNMENT ABREVIATIONS:
SAN-01 = S01
SAN-02 = S02
SAN-03 = S03
SAN-04 = S04
SAN-05 = S05
MISTY ACRES BOULEVARD = MAB
MONUMENT HILL ROAD [EAST] = MHE
MONUMENT HILL ROAD [WEST] = MHW
SNOWY TOP DRIVE = STD
OLD ANTLERS DRIVE = OAD

PREPARED FOR:
MONUMENT RIDGE EAST, LLC

5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

PREPARE
RAYMO

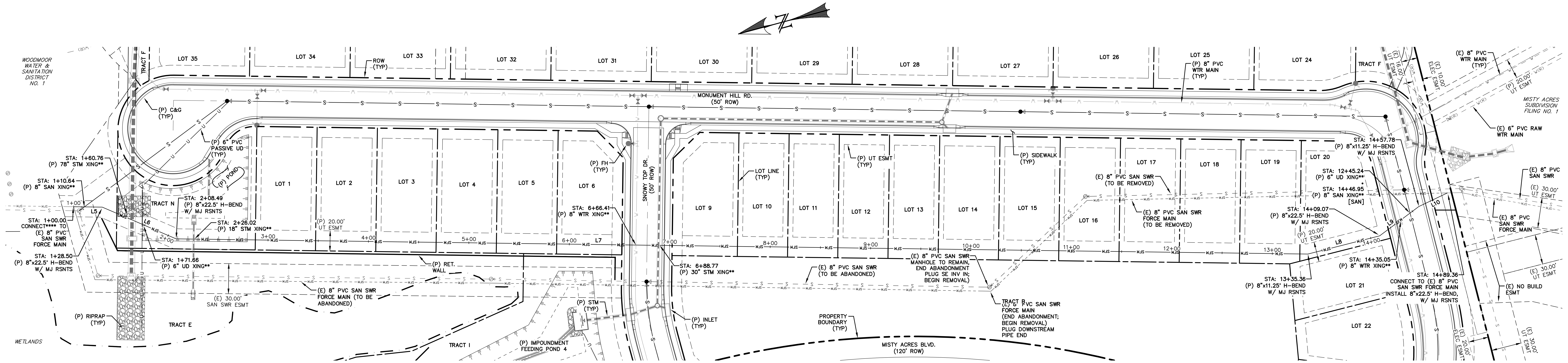
NOT FOR CONSTRUCTION

PRC ENGINEERING
1685 W. UINTAH STREET, SUITE 114
COLORADO SPRINGS, CO 80904
(719) 291-2744

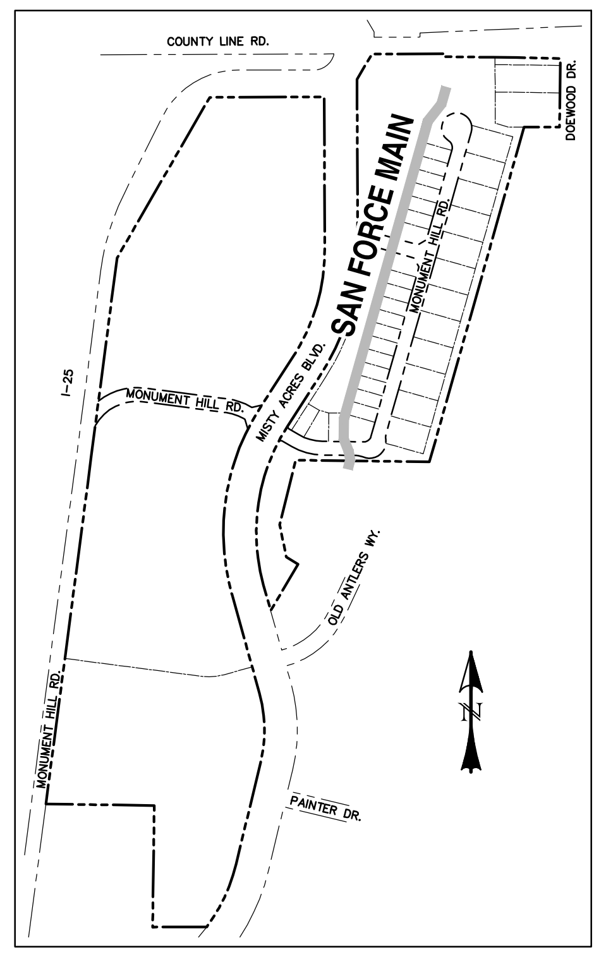
MONUMENT RIDGE EAST
FILING NO. 1

SAN SWR PLAN & PROFILE

DESIGNED BY: MGP
DRAWN BY: MGP
SCALE: 1" = 50'
DATE: 04/28/25
JOB NUMBER: 24-001
SHEET: 2 OF 12


WOODMOOR WATER & SANITATION DISTRICT NO. 1
TRACT F
LOT 35
LOT 34
ROW (TYP)
LOT 33
LOT 32
LOT 31
LOT 30
LOT 29
LOT 28
LOT 27
LOT 26
LOT 25
(P) 8" PVC WTR MAIN (TYP)
LOT 24
TRACT F
(E) 10.00' ELEC ESMT
(E) 8" PVC WTR MAIN (TYP)
(P) 20.00' UT ESMT
MISTY ACRES SUBDIVISION FILING NO. 1
(E) 6" PVC RAW WTR MAIN
MONUMENT HILL RD. (50' ROW)
(P) C&G (TYP)
(P) 6" PVC PASSIVE UD (TYP)
(P) POND
STA: 1+60.76 (P) 78" STM XING**
STA: 1+10.64 (P) 8" SAN XING**
STA: 1+00.00 CONNECT**** TO (E) 8" PVC SAN SWR FORCE MAIN
STA: 1+28.50 (P) 8"x22.5° H-BEND W/ MJ RSNTS
TRACT N
STA: 2+08.49 (P) 8"x22.5° H-BEND W/ MJ RSNTS
STA: 2+26.02 (P) 18" STM XING**
STA: 1+71.66 (P) 6" UD XING**
L5
L6
L7
L8
L9
L10
LOT 1
LOT 2
LOT 3
LOT 4
LOT 5
LOT 6
(P) FH (TYP)
SNOWY TOP DR. (50' ROW)
STA: 6+66.41 (P) 8" WTR XING**
STA: 6+88.77 (P) 30" STM XING**
(P) 20.00' UT ESMT
(P) RET. WALL
(E) 30.00' SAN SWR ESMT
(E) 8" PVC SAN SWR FORCE MAIN (TO BE ABANDONED)
(P) RIPRAP (TYP)
TRACT E
WETLANDS
TRACT I
(P) STM (TYP)
(P) IMPOUNDMENT FEEDING POND 4
(P) INLET (TYP)
LOT 9
LOT LINE (TYP)
LOT 10
LOT 11
(P) UT ESMT (TYP)
LOT 12
LOT 13
LOT 14
(P) SIDEWALK (TYP)
LOT 15
LOT 16
LOT 17
(E) 8" PVC SAN SWR (TO BE REMOVED)
(E) 8" PVC SAN SWR FORCE MAIN (TO BE REMOVED)
LOT 18
LOT 19
LOT 20
(E) 8" PVC SAN SWR (TO BE ABANDONED)
(E) 8" PVC SAN SWR MANHOLE TO REMAIN, END ABANDONMENT PLUG SE INV IN; BEGIN REMOVAL)
TRACT B
(E) 8" PVC SAN SWR FORCE MAIN (END ABANDONMENT; BEGIN REMOVAL) PLUG DOWNSTREAM PIPE END
PROPERTY BOUNDARY (TYP)
MISTY ACRES BLVD. (120' ROW)
STA: 14+57.78 (P) 8"x11.25° H-BEND W/ MJ RSNTS
STA: 12+45.24 (P) 6" UD XING**
STA: 14+46.95 (P) 8" SAN XING** [SAN]
STA: 14+09.07 (P) 8"x22.5° H-BEND W/ MJ RSNTS
(P) 20.00' UT ESMT
STA: 14+35.05 (P) 8" WTR XING**
STA: 13+35.36 (P) 8"x11.25° H-BEND W/ MJ RSNTS
STA: 14+89.36 CONNECT TO (E) 8" PVC SAN SWR FORCE MAIN INSTALL 8"x22.5° H-BEND, W/ MJ RSNTS
LOT 21
LOT 22
(E) 8" PVC SAN SWR
(E) 8" PVC SAN SWR FORCE MAIN
(E) 30.00' UT ESMT
(E) NO BUILD ESMT
(E) 20.00' ELEC ESMT
(E) 30.00' UT ESMT
1+00
2+00
3+00
4+00
5+00
6+00
7+00
8+00
9+00
10+00
11+00
12+00
13+00
14+00

SAN FORCE MAIN - MONUMENT HILL ROAD [EAST]
STA: 1+00 ~ 15+00



LOCATION MAP
SCALE: N.T.S.

NOTES:

1. THE 8" GRAVITY MAIN SHALL BE SDR 35 PVC OR SDR 26. THE 8" FORCE MAIN SHALL BE C900 PVC DR14.
2. FOR PIPELINES THAT ARE TO BE PLACED IN THE SAME TRENCH, A 4' HORIZONTAL SEPARATION WILL BE MAINTAINED, CENTERLINE TO CENTERLINE. THE 8" FORCE MAIN IS TO BE LAID AT THE SAME ELEVATION AS THE 8" GRAVITY MAIN UNLESS OTHERWISE NOTED.
3. FOR MAINS IN PROPOSED STREETS, STATIONING IS RELATIVE TO STREET'S CENTERLINE.
4. FOR MAINS NOT ASSOCIATED WITH A PROPOSED STREET, STATIONING IS RELATIVE TO THE MAIN'S CENTERLINE.

* THE LOCATION OF ALL EXISTING UTILITIES (HORIZONTAL & VERTICAL) SHALL BE FIELD VERIFIED PRIOR TO BEGINNING OF CONSTRUCTION.

** SEE PROFILE FOR CROSSING INFORMATION.

*** LENGTH OF PIPE DOES NOT EQUAL DIFFERENCE IN STATIONING.

**** REMOVE APPROX. 20 LF OF EXISTING SAN SWR FORCE MAIN & PLUG UPSTREAM PIPE. BEGIN ABANDONMENT OF FORCE MAIN.

0 50 100
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

LINE TABLE – FORCE MAIN		
LINE	BEARING	DISTANCE
L5	S15° 46' 17"W	28.50
L6	S38° 16' 17"W	79.99
L7	S15° 46' 17"W	1126.88
L8	S0° 44' 18"W	73.71
L9	S21° 45' 42"E	48.71
L10	S10° 30' 42"E	31.58

WOODMOOR WATER AND SANITARY DISTRICT NO. 1

APPROVED FOR CONSTRUCTION

DATE ______ BY ______

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7290
7280
7270
7260
7250
STA: 1+60.76 78" STM XING BOP (STM) = 7262.68 TOP (SAN) = 7255.66 CLR = 7.0'
STA: 2+26.02 18" STM XING BOP (STM) = 7265.81 TOP (SAN) = 7256.76 CLR = 9.1'
STA: 6+66.41 8" WTR XING BOP (WTR) = 7267.23 TOP (SAN) = 7264.13 CLR = 3.1'
STA: 6+88.77 30" STM XING BOP (STM) = 7268.89 TOP (SAN) = 7264.53 CLR = 4.4'
(P) GRADE @ CL
(E) GRADE @ CL
STA: 14+35.05 8" WTR XING BOP (WTR) = 7287.76 TOP (SAN) = 7276.19 CLR = 11.6'
STA: 14+46.95 8" SAN XING BOP (SAN) = 7280.26 TOP (FM) = 7276.31 CLR = 3.9'
3.55 LF OF 8" C900 PVC DR14 @ 1.00%
STA: 14+81.36 INSTALL 8"x11.25° V-BEND, W/ MJ RSNTS INV = 7279.77
8.00 LF OF 8" C900 PVC DR14 @ 2.19%
(E) 8" PVC SAN SWR FORCE MAIN
STA: 14+09.07 INSTALL 8"x22.5° BEND, W/ MJ RSNTS INV = 7275.27
STA: 13+07.30 0.50° VERT DEFL [W/ HIGH DEFLECTION COUPLING] INV = 7274.25
73.71 LF OF 8" C900 PVC DR14 @ 1.00%
STA: 14+89.36 CONNECT TO (E) 8" PVC SAN SWR FORCE MAIN INSTALL 8"x22.5° H-BEND, W/ MJ RSNTS INV = 7279.95*
28.06 LF OF 8" C900 PVC DR14 @ 1.00%
48.71 LF OF 8" C900 PVC DR14 @ 1.00%
14.28 LF OF 8" C900 PVC DR14 @ 19.89%
STA: 13+35.36 INSTALL 8"x11.25° H-BEND, W/ MJ RSNTS INV = 7274.53
STA: 14+45.24 6" UD XING BOP (UD) = 7279.30 TOP (FM) = 7276.30 CLR = 3.0'
STA: 14+57.78 INSTALL 8"x11.25° H-BEND, W/ MJ RSNTS INV = 7275.76
STA: 14+61.33 INSTALL 8"x11.25° V-BEND, W/ MJ RSNTS INV = 7275.79
1178.80 LF OF 8" C900 PVC DR14 @ 1.68%
STA: 1+07.16 INSTALL 8"x22.5° V-BEND, W/ MJ RSNTS INV = 7254.10
STA: 1+00.00 CONNECT TO (E) 8" PVC INSTALL 8"x22.5° V-BEND, W/ MJ RSNT SAN SWR FORCE MAIN (PLUG UPSTREAM (E) FORCE MAIN) INV = 7251.13*
21.34 LF OF 8" C900 PVC DR14 @ 1.69%
STA: 1+28.50 INSTALL 8"x22.5° H-BEND, W/ MJ RSNTS INV = 7254.46
(E) 8" PVC SAN SWR FORCE MAIN
STA: 1+10.64 8" SAN XING BOP (FM) = 7254.16 TOP (SAN) = 7252.66 CLR = 1.5'
17.16 LF OF 8" C900 PVC DR14 @ 1.68%
1+00
2+00
3+00
4+00
5+00
6+00
7+00
8+00
9+00
10+00
11+00
12+00
13+00
14+00
15+00

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	01/06/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	09/22/26

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ALIGNMENT ABREVIATIONS:
SAN–01 = S01
SAN–02 = S02
SAN–03 = S03
SAN–04 = S04
SAN–05 = S05
MISTY ACRES BOULEVARD = MAB
MONUMENT HILL ROAD [EAST] = MHE
MONUMENT HILL ROAD [WEST] = MHW
SNOWY TOP DRIVE = STD
OLD ANTLERS DRIVE = OAD

PREPARED FOR:
MONUMENT RIDGE EAST, LLC
5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

PREPARE
NOT FOR CONSTRUCTION
RAYMO

PRC ENGINEERING
1685 W. UINTAH STREET, SUITE 114
COLORADO SPRINGS, CO 80904
(719) 291–2744

MONUMENT RIDGE EAST
FILING NO. 1
SAN FORCE MAIN
PLAN & PROFILE

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 50'	DATE: 04/28/25
JOB NUMBER	SHEET
24–001	3 OF 12

NOTES:

1. THE 8" GRAVITY MAIN SHALL BE SDR 35 PVC OR SDR 26.
   THE 8" FORCE MAIN SHALL BE C900 PVC DR14.
2. FOR PIPELINES THAT ARE TO BE PLACED IN THE SAME TRENCH, A 4' HORIZONTAL SEPARATION WILL BE MAINTAINED, CENTERLINE TO CENTERLINE. THE 8" FORCE MAIN IS TO BE LAID AT THE SAME ELEVATION AS THE 8" GRAVITY MAIN UNLESS OTHERWISE NOTED.
3. FOR MAINS IN PROPOSED STREETS, STATIONING IS RELATIVE TO STREET'S CENTERLINE.
4. FOR MAINS NOT ASSOCIATED WITH A PROPOSED STREET, STATIONING IS RELATIVE TO THE MAIN'S CENTERLINE.

* THE LOCATION OF ALL EXISTING UTILITIES (HORIZONTAL & VERTICAL) SHALL BE FIELD VERIFIED PRIOR TO BEGINNING OF CONSTRUCTION.

** SEE PROFILE FOR CROSSING INFORMATION.

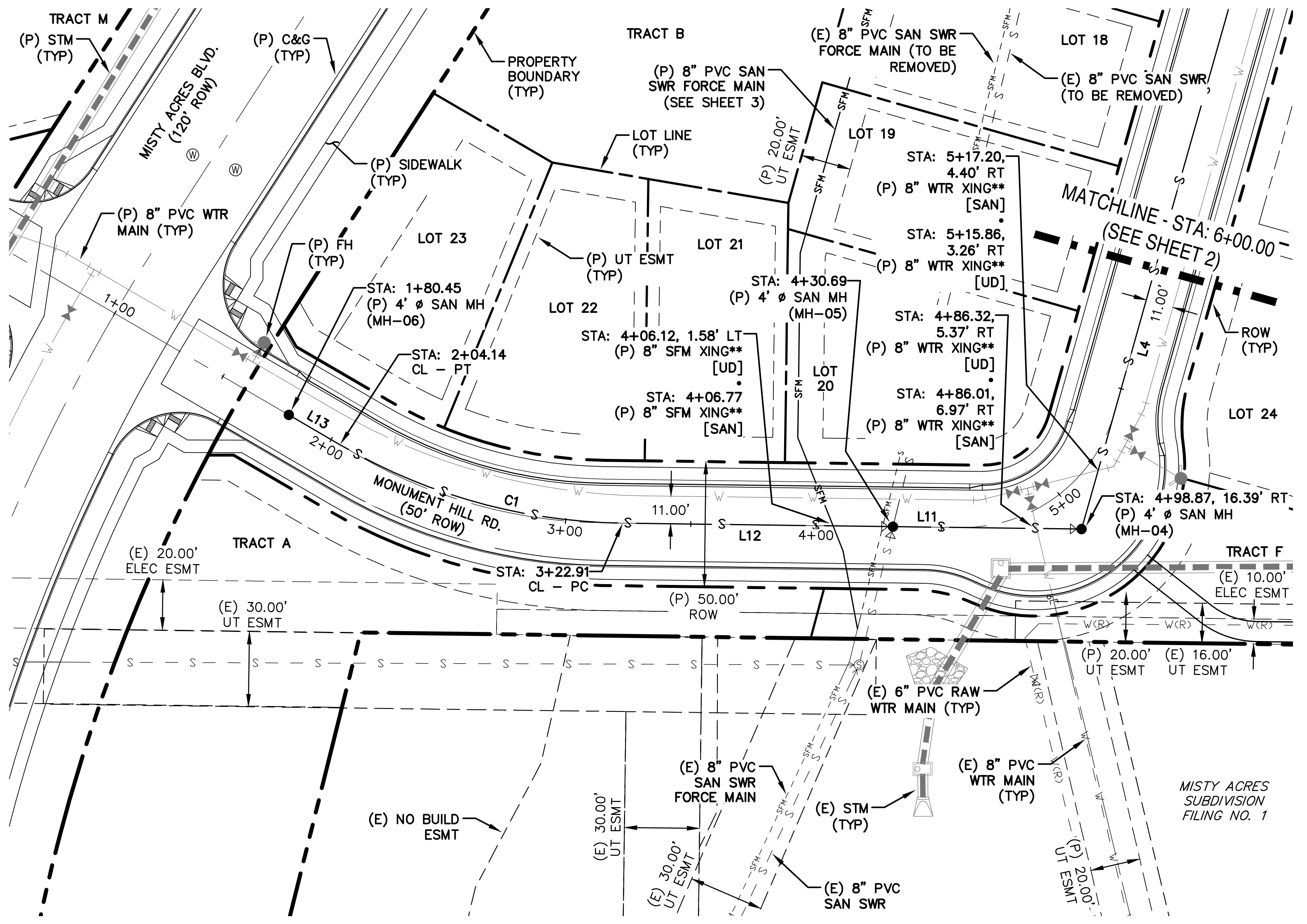
*** LENGTH OF PIPE DOES NOT EQUAL DIFFERENCE IN STATIONING.

LINE TABLE – SAN SWR

LINE	BEARING	DISTANCE
L4	S15° 46' 17"W	363.45
L11	N89° 15' 42"W	75.28
L12	N89° 15' 42"W	107.78
L13	N59° 45' 36"W	23.69
L14	N78° 04' 04"W	17.24
L15	S89° 46' 22"W	88.24
L16	S89° 46' 22"W	70.00
L17	N7° 26' 30"E	50.00
L18	N7° 26' 30"E	60.00

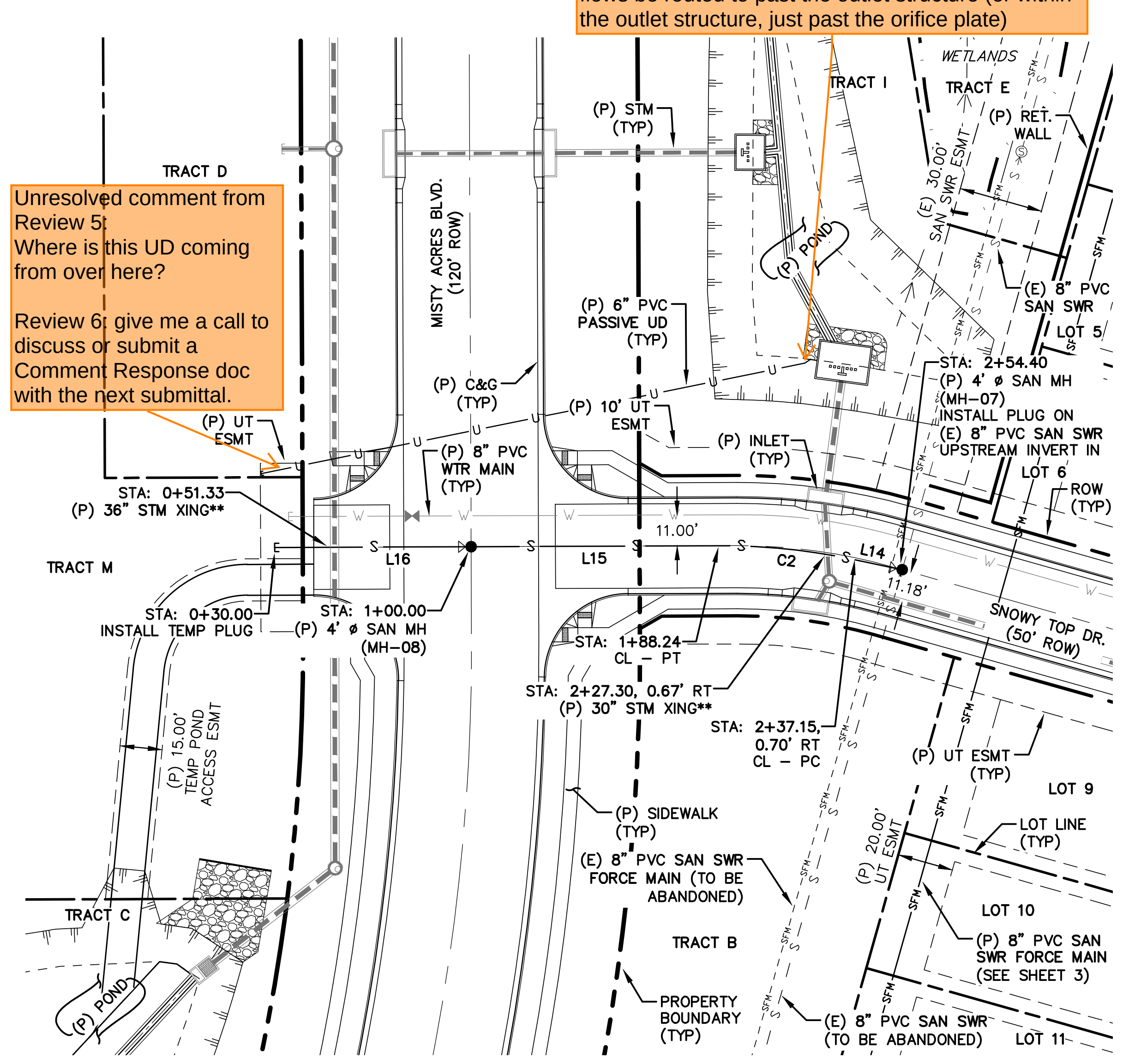
CURVE TABLE – SAN SWR

CURVE	DELTA	RADIUS	LENGTH
C1	29°30'06"	230.00	118.43
C2	12°09'34"	230.00	48.81


TRACT M
(P) STM (TYP)
MISTY ACRES BLVD. (120' ROW)
(P) C&G (TYP)
TRACT B
(E) 8" PVC SAN SWR FORCE MAIN (TO BE REMOVED)
LOT 18
PROPERTY BOUNDARY (TYP)
(P) 8" PVC SAN SWR FORCE MAIN (SEE SHEET 3)
(E) 8" PVC SAN SWR (TO BE REMOVED)
LOT LINE (TYP)
LOT 19
(P) SIDEWALK (TYP)
(P) 8" PVC WTR MAIN (TYP)
(P) FH (TYP)
LOT 23
LOT 21
LOT 22
(P) UT ESMT (TYP)
STA: 1+80.45
(P) 4' ø SAN MH (MH-06)
STA: 2+04.14 CL – PT
STA: 4+30.69 (P) 4' ø SAN MH (MH-05)
STA: 4+06.12, 1.58' LT (P) 8" SFM XING** [UD]
STA: 4+06.77 (P) 8" SFM XING** [SAN]
STA: 5+17.20, 4.40' RT (P) 8" WTR XING** [SAN]
STA: 5+15.86, 3.26' RT (P) 8" WTR XING** [UD]
STA: 4+86.32, 5.37' RT (P) 8" WTR XING** [UD]
STA: 4+86.01, 6.97' RT (P) 8" WTR XING** [SAN]
MATCHLINE - STA: 6+00.00 (SEE SHEET 2)
ROW (TYP)
LOT 20
LOT 24
L13
L12
L11
C1
L4
MONUMENT HILL RD. (50' ROW)
11.00'
STA: 4+98.87, 16.39' RT (P) 4' ø SAN MH (MH-04)
TRACT A
(E) 20.00' ELEC ESMT
STA: 3+22.91 CL – PC
(E) 30.00' UT ESMT
(P) 50.00' ROW
TRACT F
(E) 10.00' ELEC ESMT
(P) 20.00' UT ESMT
(E) 16.00' UT ESMT
(E) 6" PVC RAW WTR MAIN (TYP)
(E) 8" PVC SAN SWR FORCE MAIN
(E) 8" PVC WTR MAIN (TYP)
MISTY ACRES SUBDIVISION FILING NO. 1
(E) NO BUILD ESMT
(E) 30.00' UT ESMT
(E) STM (TYP)
(E) 8" PVC SAN SWR
(P) 20.00' UT ESMT
1+00
2+00
3+00
4+00
5+00

MONUMENT HILL ROAD [EAST]

STA: 1+00 ~ 6+00


TRACT D
MISTY ACRES BLVD. (120' ROW)
(P) STM (TYP)
TRACT I
TRACT E
WETLANDS
(P) RET. WALL
(E) 30.00' SAN SWR ESMT
(P) POND
(P) 6" PVC PASSIVE UD (TYP)
(P) C&G (TYP)
(P) 10' UT ESMT
(P) 8" PVC WTR MAIN (TYP)
(P) UT ESMT
(P) INLET (TYP)
(E) 8" PVC SAN SWR
LOT 5
STA: 2+54.40 (P) 4' ø SAN MH (MH-07) INSTALL PLUG ON (E) 8" PVC SAN SWR UPSTREAM INVERT IN
LOT 6
ROW (TYP)
STA: 0+51.33 (P) 36" STM XING**
TRACT M
STA: 0+30.00 INSTALL TEMP PLUG
STA: 1+00.00 (P) 4' ø SAN MH (MH-08)
L16
L15
C2
L14
11.00'
SNOWY TOP DR. (50' ROW)
STA: 1+88.24 CL – PT
STA: 2+27.30, 0.67' RT (P) 30" STM XING**
STA: 2+37.15, 0.70' RT CL – PC
(P) 15.00' TEMP POND ACCESS ESMT
(P) UT ESMT (TYP)
LOT 9
LOT LINE (TYP)
(P) SIDEWALK (TYP)
(E) 8" PVC SAN SWR FORCE MAIN (TO BE ABANDONED)
(P) 20.00' UT ESMT
LOT 10
TRACT C
TRACT B
(P) POND
PROPERTY BOUNDARY (TYP)
(P) 8" PVC SAN SWR FORCE MAIN (SEE SHEET 3)
(E) 8" PVC SAN SWR (TO BE ABANDONED)
LOT 11

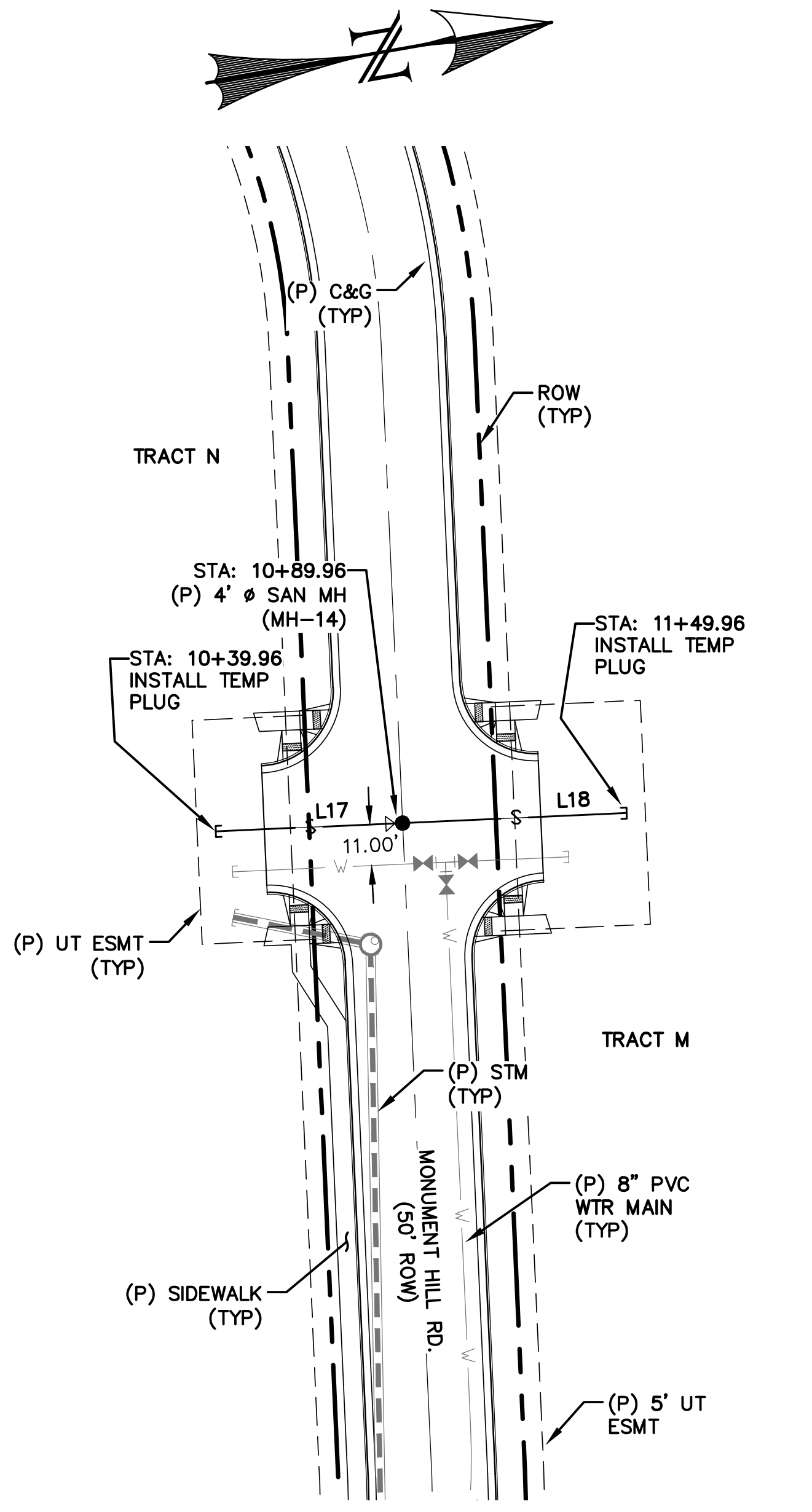
Unresolved comment from Review 5:
The pond has not been sized for the flows from this underdrain. MHFD recommends all GW/underdrain flows be routed to past the outlet structure (or within the outlet structure, just past the orifice plate)

Unresolved comment from Review 5:
Where is this UD coming from over here?

Review 6: give me a call to discuss or submit a Comment Response doc with the next submittal.

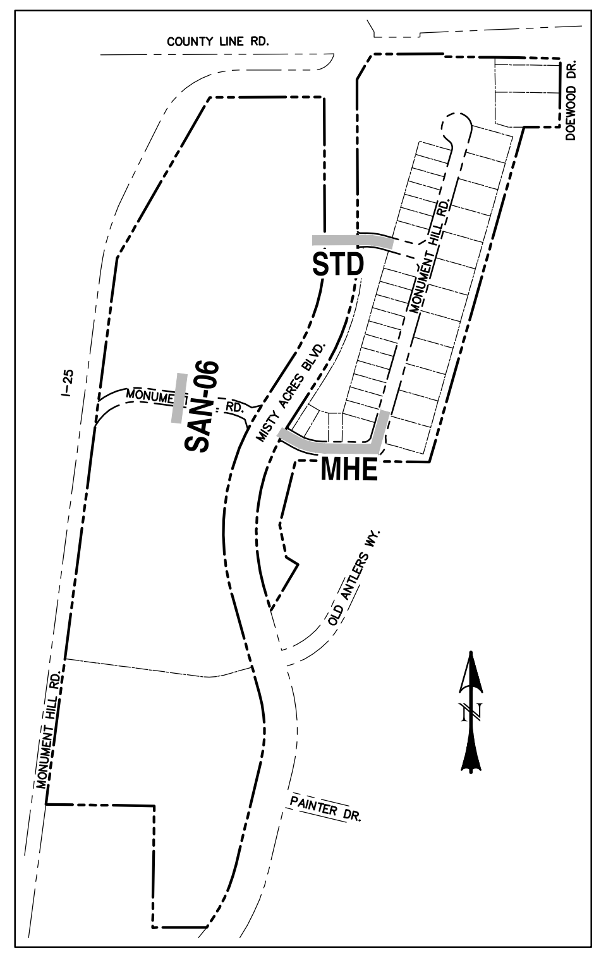
SNOWY TOP DRIVE

STA: 1+00 ~ 3+60


N
(P) C&G (TYP)
ROW (TYP)
TRACT N
STA: 10+89.96 (P) 4' ø SAN MH (MH-14)
STA: 10+39.96 INSTALL TEMP PLUG
STA: 11+49.96 INSTALL TEMP PLUG
L17
L18
11.00'
(P) UT ESMT (TYP)
TRACT M
(P) STM (TYP)
MONUMENT HILL RD. (50' ROW)
(P) 8" PVC WTR MAIN (TYP)
(P) SIDEWALK (TYP)
(P) 5' UT ESMT

SAN-06

STA: 10+40 ~ 11+60



LOCATION MAP

SCALE: N.T.S.

0 50 100

HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

WOODMOOR WATER AND SANITARY DISTRICT NO. 1

APPROVED FOR CONSTRUCTION

DATE ______ BY ______

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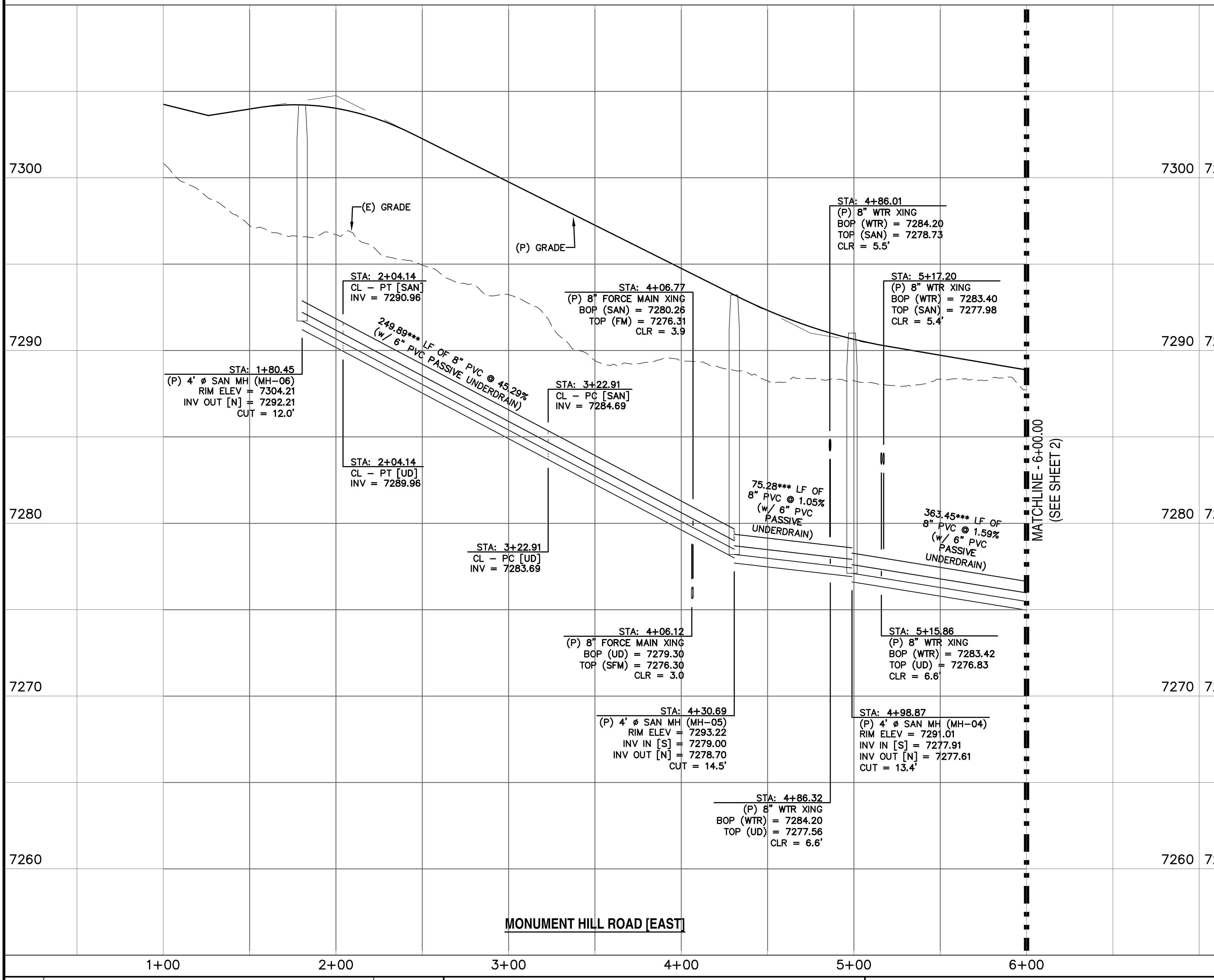
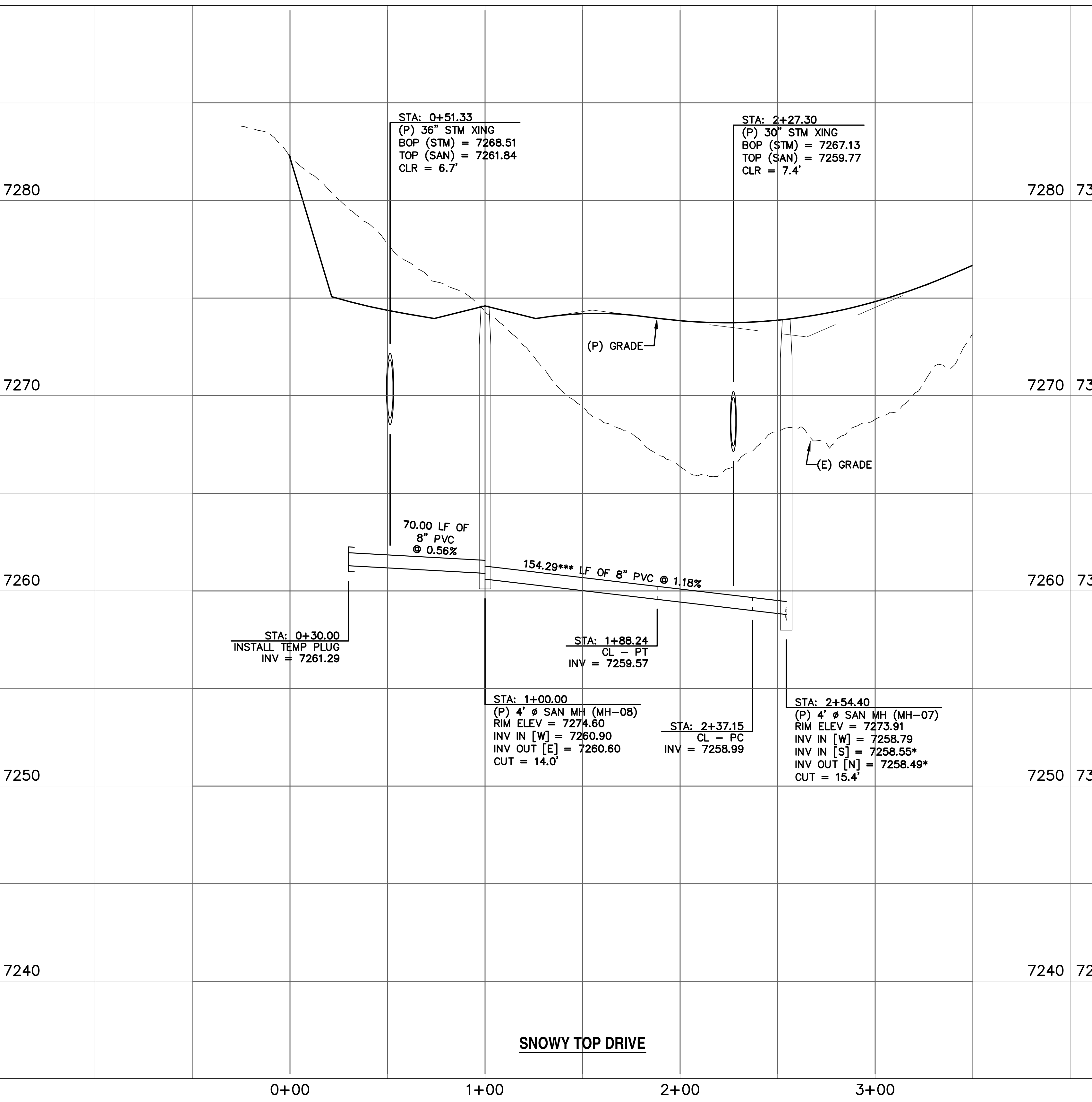
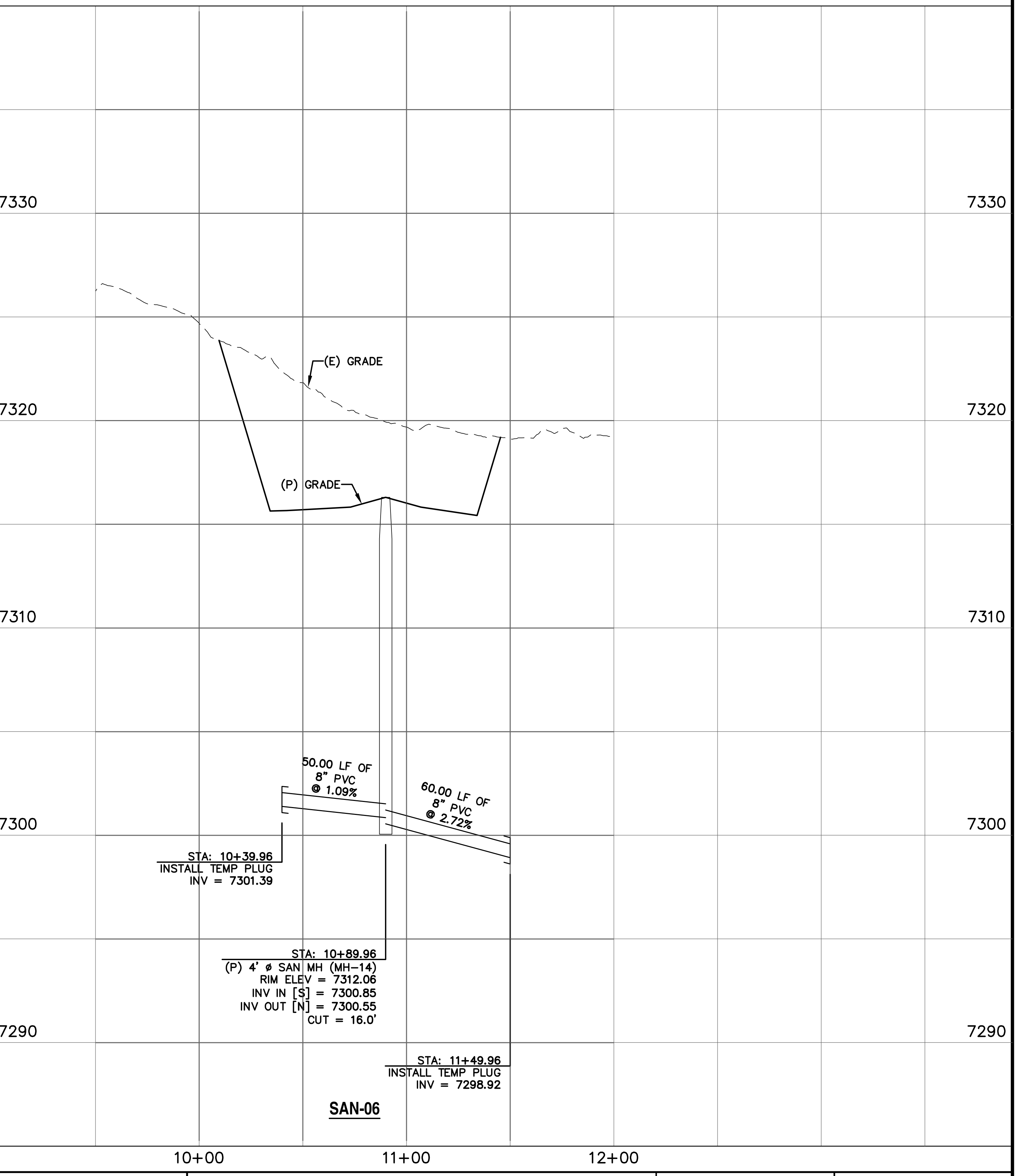


MONUMENT HILL ROAD [EAST]



SNOWY TOP DRIVE



SAN-06

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	01/06/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	09/22/26

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SAN–03 = S03
SAN–04 = S04
SAN–05 = S05
MISTY ACRES BOULEVARD = MAB
MONUMENT HILL ROAD [EAST] = MHE
MONUMENT HILL ROAD [WEST] = MHW
SNOWY TOP DRIVE = STD
OLD ANTLERS DRIVE = OAD

PREPARED FOR:

MONUMENT RIDGE EAST, LLC

5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

PREPARE

RAYMO

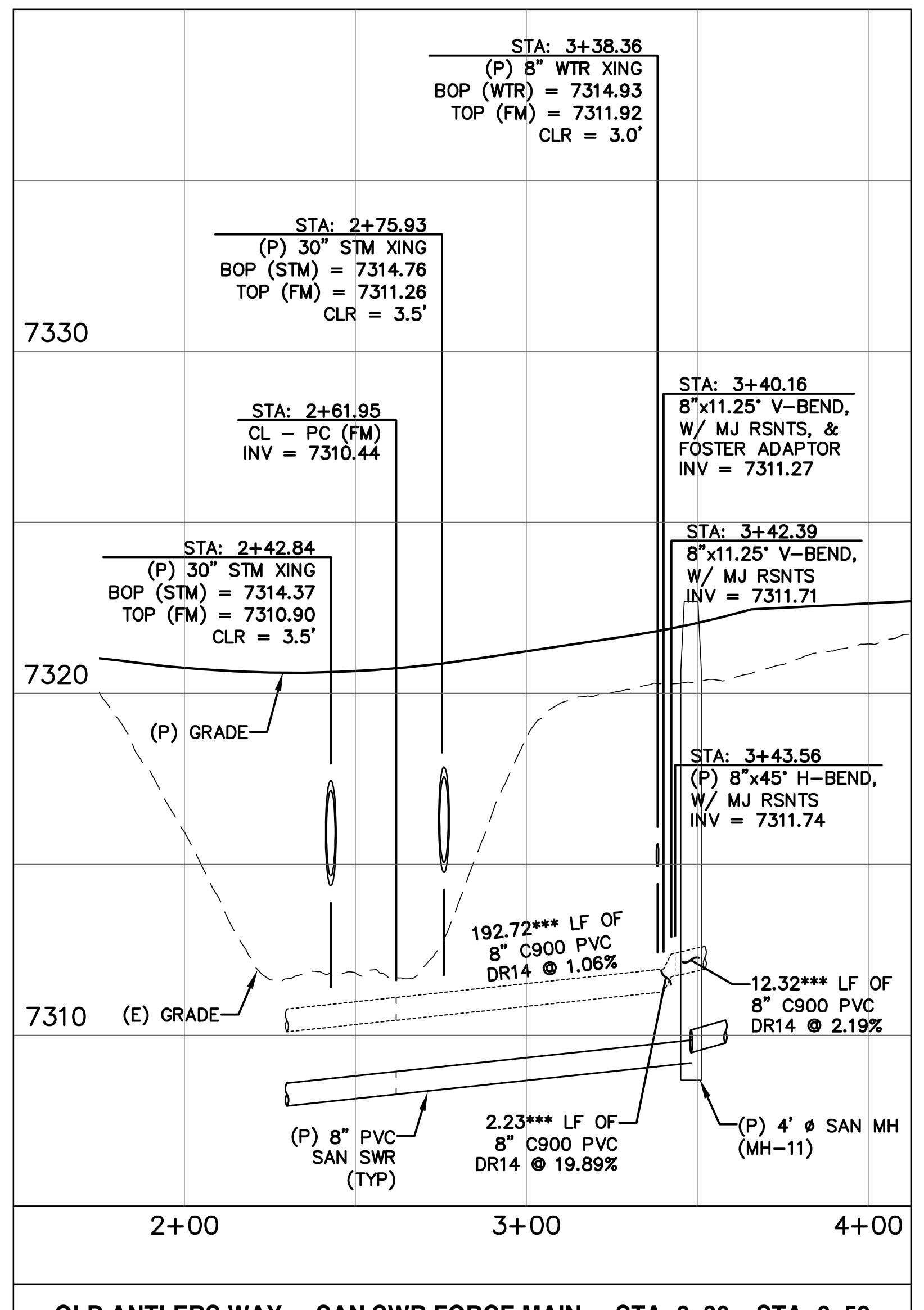
NOT FOR CONSTRUCTION

PRC ENGINEERING
1685 W. UINTAH STREET, SUITE 114
COLORADO SPRINGS, CO 80904
(719) 291–2744

MONUMENT RIDGE EAST
FILING NO. 1

SAN SWR PLAN & PROFILE

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 50'	DATE: 04/28/25
JOB NUMBER	SHEET
24–001	4 OF 12



OLD ANTLERS WAY - SAN SWR FORCE MAIN - STA: 2+30 ~ STA: 3+52

0 50 100

HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

NOTES:

1. THE 8" GRAVITY MAIN SHALL BE SDR 35 PVC OR SDR 26. THE 8" FORCE MAIN SHALL BE C900 PVC DR14.
2. FOR PIPELINES THAT ARE TO BE PLACED IN THE SAME TRENCH, A 4' HORIZONTAL SEPARATION WILL BE MAINTAINED, CENTERLINE TO CENTERLINE. THE 8" FORCE MAIN IS TO BE LAID AT THE SAME ELEVATION AS THE 8" GRAVITY MAIN UNLESS OTHERWISE NOTED.
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4. FOR MAINS NOT ASSOCIATED WITH A PROPOSED STREET, STATIONING IS RELATIVE TO THE MAIN'S CENTERLINE.

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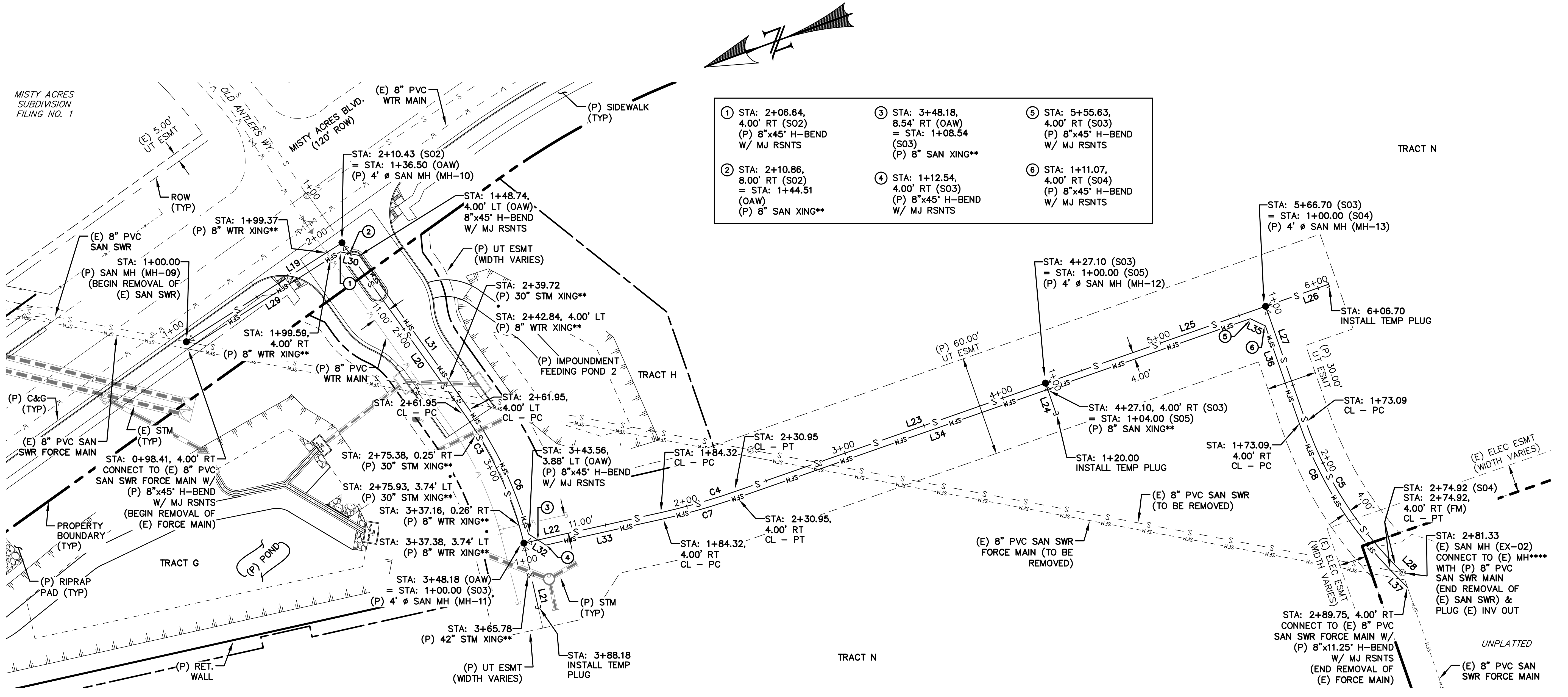
** SEE PROFILE FOR CROSSING INFORMATION.

*** LENGTH OF PIPE DOES NOT EQUAL DIFFERENCE IN STATIONING.

**** (P) TIE TO THE (E) MANHOLE WILL REQUIRE CORE DRILLING PER DWG **S-13**. CONSTRUCTION OF THE MANHOLE CHANNEL, BENCH, & INVERT PER DWG **S-6**. SEE MODIFICATION DETAIL FOR EXISTING MANHOLE (**EX-02**) ON SHEET **11**.

CONTRACTOR TO VERIFY INVERT ELEVATIONS PRIOR TO CONSTRUCTION.

***** MANHOLES IN UNDEVELOPED AREAS TO BE LEFT **8"** ABOVE GRADE UNTIL DEVELOPED.


N
MISTY ACRES SUBDIVISION FILING NO. 1
MISTY ACRES BLVD. (120' ROW)
OLD ANTLERS WY.
(E) 8" PVC WTR MAIN
(P) SIDEWALK (TYP)
(E) 5.00' UT ESMT
ROW (TYP)
STA: 2+10.43 (S02) = STA: 1+36.50 (OAW) (P) 4' ø SAN MH (MH-10)
STA: 1+48.74, 4.00' LT (OAW) 8"x45° H-BEND W/ MJ RSNTS
STA: 1+99.37 (P) 8" WTR XING**
(E) 8" PVC SAN SWR
STA: 1+00.00 (P) SAN MH (MH-09) (BEGIN REMOVAL OF (E) SAN SWR)
(P) UT ESMT (WIDTH VARIES)
STA: 2+39.72 (P) 30" STM XING**
STA: 2+42.84, 4.00' LT (P) 8" WTR XING**
STA: 1+99.59, 4.00' RT (P) 8" WTR XING**
(P) 8" PVC WTR MAIN
(P) IMPOUNDMENT FEEDING POND 2
TRACT H
(P) C&G (TYP)
(E) 8" PVC SAN SWR FORCE MAIN
(E) STM (TYP)
STA: 2+61.95 CL - PC
STA: 2+61.95, 4.00' LT CL - PC
STA: 0+98.41, 4.00' RT CONNECT TO (E) 8" PVC SAN SWR FORCE MAIN W/ (P) 8"x45° H-BEND W/ MJ RSNTS (BEGIN REMOVAL OF (E) FORCE MAIN)
STA: 2+75.38, 0.25' RT (P) 30" STM XING**
STA: 2+75.93, 3.74' LT (P) 30" STM XING**
STA: 3+37.16, 0.26' RT (P) 8" WTR XING**
STA: 3+37.38, 3.74' LT (P) 8" WTR XING**
STA: 3+43.56, 3.88' LT (OAW) (P) 8"x45° H-BEND W/ MJ RSNTS
STA: 3+48.18 (OAW) = STA: 1+00.00 (S03) (P) 4' ø SAN MH (MH-11)
STA: 3+65.78 (P) 42" STM XING**
(P) UT ESMT (WIDTH VARIES)
STA: 3+88.18 INSTALL TEMP PLUG
(P) STM (TYP)
PROPERTY BOUNDARY (TYP)
TRACT G
(P) POND
(P) RIPRAP PAD (TYP)
(P) RET. WALL
TRACT N
STA: 1+84.32 CL - PC
STA: 1+84.32, 4.00' RT CL - PC
STA: 2+30.95 CL - PT
STA: 2+30.95, 4.00' RT CL - PT
(P) 60.00' UT ESMT
STA: 4+27.10 (S03) = STA: 1+00.00 (S05) (P) 4' ø SAN MH (MH-12)
STA: 4+27.10, 4.00' RT (S03) = STA: 1+04.00 (S05) (P) 8" SAN XING**
STA: 1+20.00 INSTALL TEMP PLUG
STA: 5+66.70 (S03) = STA: 1+00.00 (S04) (P) 4' ø SAN MH (MH-13)
STA: 6+06.70 INSTALL TEMP PLUG
(P) 30.00' UT ESMT
STA: 1+73.09 CL - PC
STA: 1+73.09, 4.00' RT CL - PC
(E) ELEC ESMT (WIDTH VARIES)
(E) 8" PVC SAN SWR (TO BE REMOVED)
(E) 8" PVC SAN SWR FORCE MAIN (TO BE REMOVED)
STA: 2+74.92 (S04) STA: 2+74.92, 4.00' RT (FM) CL - PT
STA: 2+81.33 (E) SAN MH (EX-02) CONNECT TO (E) MH**** WITH (P) 8" PVC SAN SWR MAIN (END REMOVAL OF (E) SAN SWR) & PLUG (E) INV OUT
STA: 2+89.75, 4.00' RT CONNECT TO (E) 8" PVC SAN SWR FORCE MAIN W/ (P) 8"x11.25° H-BEND W/ MJ RSNTS (END REMOVAL OF (E) FORCE MAIN)
(E) 8" PVC SAN SWR FORCE MAIN
UNPLATTED
(E) ELEC ESMT (WIDTH VARIES)
TRACT N
L19 L20 L21 L22 L23 L24 L25 L26 L27 L28 L29 L30 L31 L32 L33 L34 L35 L36 L37
C3 C4 C5 C6 C7 C8
① ② ③ ④ ⑤ ⑥

① STA: 2+06.64, 4.00' RT (S02) (P) 8"x45° H-BEND W/ MJ RSNTS	③ STA: 3+48.18, 8.54' RT (OAW) = STA: 1+08.54 (S03) (P) 8" SAN XING**	⑤ STA: 5+55.63, 4.00' RT (S03) (P) 8"x45° H-BEND W/ MJ RSNTS
② STA: 2+10.86, 8.00' RT (S02) = STA: 1+44.51 (OAW) (P) 8" SAN XING**	④ STA: 1+12.54, 4.00' RT (S03) (P) 8"x45° H-BEND W/ MJ RSNTS	⑥ STA: 1+11.07, 4.00' RT (S04) (P) 8"x45° H-BEND W/ MJ RSNTS

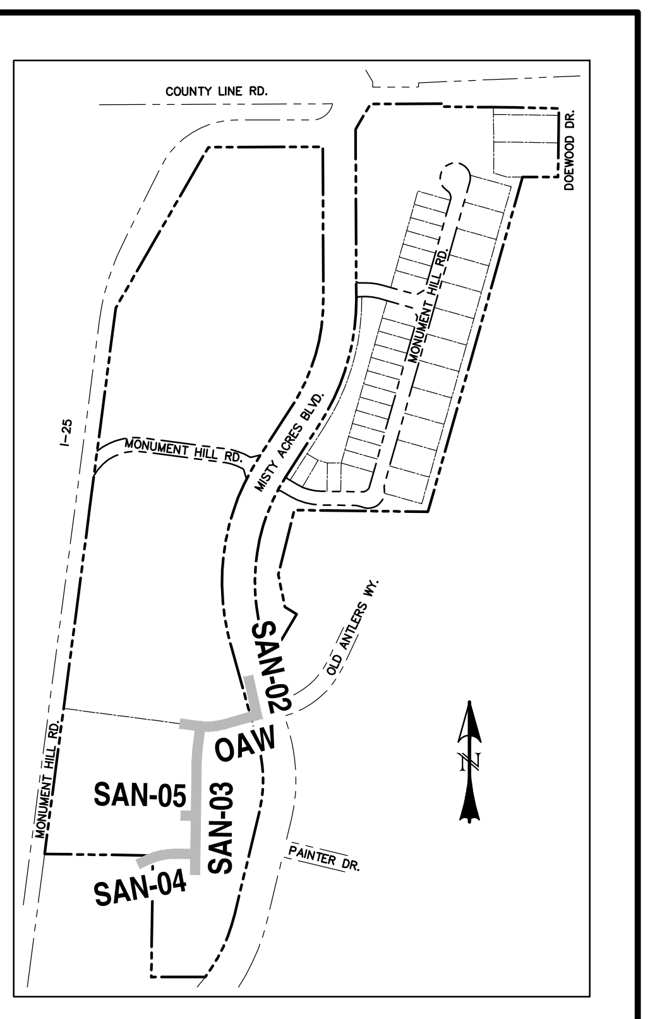
SAN-02 STA: 1+00 ~ 2+15
OLD ANTLERS WAY STA: 1+00 ~ 4+00
SAN-03 STA: 1+00 ~ 6+15
SAN-04 STA: 1+00 ~ 3+00
SAN-05 STA: 1+00 ~ 1+50

0 50 100

HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

LINE TABLE – SAN SWR		
LINE	BEARING	DISTANCE
L19	S12° 27' 38"E	110.43
L20	S74° 25' 30"W	125.45
L21	N82° 33' 30"W	40.00
L22	S7° 26' 30"W	84.32
L23	S0° 45' 57"W	196.15
L24	N89° 08' 55"W	20.00
L25	S0° 45' 57"W	139.60
L26	S0° 45' 57"W	40.00
L27	N89° 12' 21"W	73.09
L28	S65° 25' 41"W	6.41

CURVE TABLE – SAN SWR			
CURVE	DELTA	RADIUS	LENGTH
C3	21°26'40"	230.00	86.08
C4	6°40'33"	400.00	46.61
C5	25°21'58"	230.00	101.83



LOCATION MAP
SCALE: N.T.S.

LINE TABLE – FORCE MAIN		
LINE	BEARING	DISTANCE
L29	S12° 27' 38"E	108.23
L30	S30° 58' 56"W	11.63
L31	S74° 25' 30"W	113.21
L32	S52° 26' 30"W	12.32
L33	S7° 26' 30"W	71.79
L34	S0° 45' 57"W	324.67
L35	S45° 46' 48"W	10.00
L36	N89° 12' 21"W	62.02
L37	S65° 25' 41"W	14.83

CURVE TABLE – FORCE MAIN			
CURVE	DELTA	RADIUS	LENGTH
C6	20°19'03"	234.00	82.98
C7	6°40'33"	404.00	47.07
C8	25°21'58"	234.00	103.60

WOODMOOR WATER AND SANITARY DISTRICT NO. 1

APPROVED FOR CONSTRUCTION

DATE __________ BY ____________________

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⑦ STA: 2+06.64 (P) 8"x45° H-BEND, W/ MJ RSNTS INV (FM) = 7308.98
STA: 2+10.43 (P) 4' ø SAN MH (MH-10) RIM ELEV = 7321.14 INV IN [W] = 7306.44 INV OUT [N] = 7306.14 CUT = 15.0'
STA: 1+99.37 (P) 8" WTR XING BOP (WTR) = 7314.05 TOP (SAN) = 7306.12 CLR = 7.9'
STA: 1+99.59 (P) 8" WTR XING BOP (WTR) = 7314.05 TOP (FM) = 7309.57 CLR = 4.5'
(P) GRADE
(E) GRADE
17.05 LF OF 8" C900 PVC DR14 @ 1.06%
STA: 1+89.59 8"x22.5° V-BEND, W/ MJ RSNTS INV = 7308.79
11.63*** LF OF 8" C900 PVC DR14 @ 1.06%
11.21 LF OF 8" C900 PVC DR14 @ 41.42%
110.43 LF OF 8" PVC @ 6.20%
STA: 1+78.38 BEGIN FORCE MAIN VERTICAL DEVIATION 22.5° V-BEND, W/ MJ RSNTS INV = 7304.15
STA: 1+00.00 (P) 4' ø SAN MH (MH-09) RIM ELEV = 7317.31 INV IN [S] = 7299.29 INV OUT [NE] = 7298.99* CUT = 18.3'
MATCHLINE - 2+10.43 (SAN-02) = 1+36.50 (OAW) (SEE THIS SHEET)
MATCHLINE - 1+36.50 (OAW) = 2+10.43 (SAN-02) (SEE THIS SHEET)
FOR FORCE MAIN PROFILE INFORMATION BETWEEN STA: 2+30 ~ STA: 3+52 SEE SEPARATE PROFILE (THIS SHEET)
STA: 2+75.38 (P) 30" STM XING BOP (STM) = 7314.68 TOP (SAN) = 7309.08 CLR = 5.6'
STA: 3+65.78 (P) 42" STM XING BOP (STM) = 7313.27 TOP (SAN) = 7310.18 CLR = 3.1'
STA: 2+39.72 (P) 30" STM XING BOP (STM) = 7314.11 TOP (SAN) = 7308.20 CLR = 5.9'
12.32*** LF OF 8" C900 PVC DR14 @ 2.19%
(P) GRADE
(E) GRADE
11.63*** LF OF 8" C900 PVC DR14 @ 1.06%
STA: 1+48.74 8"x45° H-BEND, W/ MJ RSNTS INV = 7309.24
192.72*** LF OF 8" C900 PVC DR14 @ 1.06%
40.00 LF OF 8" PVC @ 2.96%
211.53*** LF OF 8" PVC @ 1.06%
STA: 2+61.95 CL - PC (SAN) INV = 7307.77
STA: 3+37.16 (P) 8" WTR XING BOP (WTR) = 7314.93 TOP (SAN) = 7309.25 CLR = 5.7'
STA: 3+48.18 (P) 4' ø SAN MH (MH-11) RIM ELEV = 7322.68***** INV IN [W] = 7309.49 INV IN [S] = 7308.99 INV OUT [E] = 7308.69 CUT = 14.0'
STA: 1+44.51 (P) 8" SAN XING BOP (FM) = 7309.19 TOP (SAN) = 7307.69 CLR = 1.5'
STA: 1+36.50 (P) 4' ø SAN MH (MH-10) RIM ELEV = 7321.14 INV IN [W] = 7306.44 INV OUT [N] = 7306.14 CUT = 15.0'
STA: 3+88.18 INSTALL TEMP PLUG INV = 7310.61
⑧ STA: 1+03.83 (P) 8"x45° H-BEND, W/ MJ RSNTS INV = 7311.74
⑨ STA: 1+08.54 (P) 8" SAN XING BOP (FM) = 7311.84 TOP (SAN) = 7310.34 CLR = 1.5'
12.32*** LF OF 8" C900 PVC DR14 @ 2.19%
STA: 1+12.54 8"x45° H-BEND, W/ MJ RSNTS INV = 7311.93
288.00*** LF OF 8" C900 PVC DR14 @ 2.19%
327.08*** LF OF 8" PVC @ 2.19%
(P) GRADE
(E) GRADE
STA: 4+00.10 2.00' VERT DEFL [W/ HIGH DEFLECTION COUPLING] INV = 7319.19
20.00 LF OF 8" C900 PVC DR14 @ 4.88%
STA: 4+00.10 1.50' VERT DEFL [W/ HIGH DEFLECTION COUPLING] INV = 7318.22
135.53 LF OF 8" C900 PVC DR14 @ 0.50%
139.60 LF OF 8" PVC @ 1.29%
10.00*** LF OF 8" C900 PVC DR14 @ 0.50%
STA: 5+55.63 8"x45° H-BEND, W/ MJ RSNTS INV = 7319.87
40.00 LF OF 8" PVC @ 4.66%
STA: 1+00.00 (P) 4' ø SAN MH (MH-11) RIM ELEV = 7322.68***** INV IN [W] = 7309.49 INV IN [S] = 7309.49 INV OUT [E] = 7309.19 CUT = 13.5'
STA: 1+84.32 CL - PC (FM) INV = 7313.50
STA: 1+84.32 CL - PC (SAN) INV = 7310.96
STA: 2+30.95 CL - PT INV = 7314.52
STA: 2+30.95 CL - PT (SAN) INV = 7312.05
STA: 4+27.10 (P) 4' ø SAN MH (MH-12) RIM ELEV = 7330.81***** INV IN [W] = 7316.94 INV IN [S] = 7316.94 INV OUT [N] = 7316.64 CUT = 14.2'
STA: 5+66.70 (P) 4' ø SAN MH (MH-13) RIM ELEV = 7334.90***** INV IN [W] = 7319.04 INV IN [S] = 7319.04 INV OUT [N] = 7318.74 CUT = 16.2'
STA: 3+88.18 INSTALL TEMP PLUG INV = 7310.61
STA: 1+40.00 INSTALL TEMP PLUG INV = 7318.15
STA: 1+04.00 (P) 8" SAN XING BOP (FM) = 7319.23 TOP (SAN) = 7317.73 CLR = 1.5'
(E) GRADE
(P) GRADE
40.00 LF OF 8" PVC @ 3.02%
STA: 1+00.00 (P) 4' ø SAN MH (MH-12) RIM ELEV = 7330.81***** INV IN [W] = 7316.94 INV IN [S] = 7316.94 INV OUT [N] = 7316.64 CUT = 14.2'
(P) GRADE
(E) GRADE
10.00*** LF OF 8" C900 PVC DR14 @ 0.50%
STA: 1+11.07 8"x45° H-BEND, W/ MJ RSNTS INV = 7319.92
178.68 LF OF 8" C900 PVC DR14 @ 0.50%
181.33 LF OF 8" PVC @ 1.24%
(E) 8" PVC SAN SWR FORCE MAIN
STA: 2+74.92 CL - PT (FM) INV = 7321.25
STA: 1+73.09 CL - PT (SAN) INV = 7319.94
STA: 2+89.75 CONNECT TO (E) 8" PVC SAN SWR FORCE MAIN W/ (P) 8"x11.25° H-BEND W/ MJ RSNTS (END REMOVAL OF (E) FORCE MAIN) INV = 7321.37*
STA: 1+73.09 CL - PC (FM) INV = 7320.42
STA: 1+73.09 CL - PC (SAN) INV = 7319.94
STA: 1+00.00 (P) 4' ø SAN MH (MH-13) RIM ELEV = 7334.24 INV IN [W] = 7319.04 INV IN [S] = 7319.04 INV OUT [N] = 7318.74 CUT = 15.5'
STA: 2+81.33 (E) SAN MH (EX-02) RIM ELEV = 7329.93 INV OUT [E] = 7221.28**** CUT = 8.7' REMOVE (E) 8" PVC SAN SWR & PLUG (E) INV OUT
7330 7320 7310 7300 7290
7340 7330 7320 7310 7300
SAN-02
OLD ANTLERS WAY
SAN-03
SAN-05
SAN-04
1+00 2+00 1+00 2+00 3+00 4+00 1+00 2+00 3+00 4+00 5+00 6+00 1+00 1+00 2+00 3+00

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	01/06/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	09/22/26

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ALIGNMENT ABREVIATIONS:
SAN-01 = S01
SAN-02 = S02
SAN-03 = S03
SAN-04 = S04
SAN-05 = S05
MISTY ACRES BOULEVARD = MAB
MONUMENT HILL ROAD [EAST] = MHE
MONUMENT HILL ROAD [WEST] = MHW
SNOWY TOP DRIVE = STD
OLD ANTLERS DRIVE = OAD

PREPARED FOR:
MONUMENT RIDGE EAST, LLC
5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

PREPARE
RAYMO

NOT FOR CONSTRUCTION

PRC ENGINEERING
1685 W. UINTAH STREET, SUITE 114
COLORADO SPRINGS, CO 80904
(719) 291-2744

MONUMENT RIDGE EAST
FILING NO. 1
SAN SWR & SAN FORCE MAIN
PLAN & PROFILE

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 50'	DATE: 04/28/25
JOB NUMBER	SHEET
24-001	5 OF 12

P:_Projects\24-001 MRE\Dwg_CDs\UT - Ph1

NOTES:

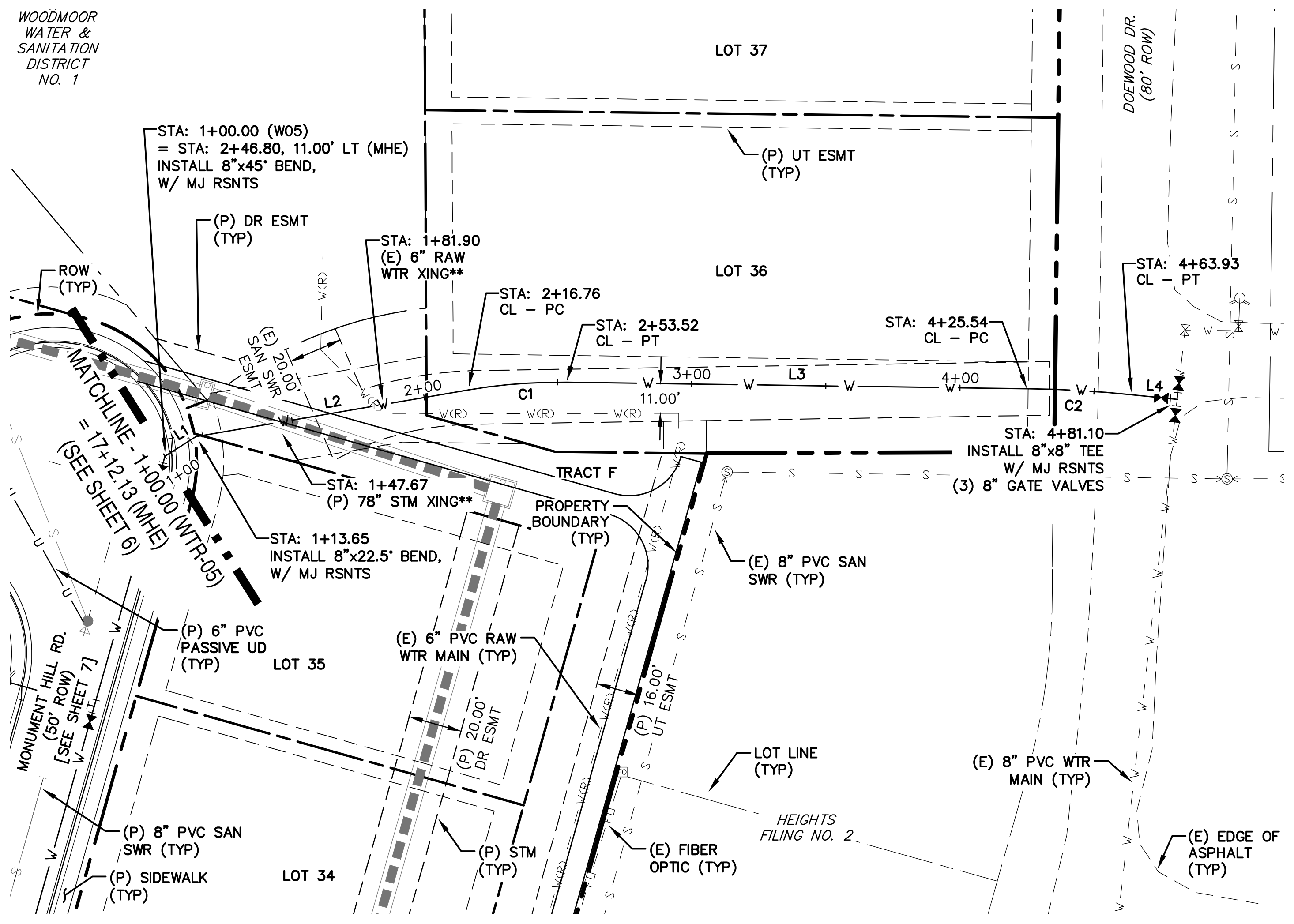
1. FOR MAINS IN PROPOSED STREETS, STATIONING IS RELATIVE TO STREET'S CENTERLINE.
2. FOR MAINS NOT ASSOCIATED WITH A PROPOSED STREET, STATIONING IS RELATIVE TO THE GRAVITY MAIN'S CENTERLINE.
3. FOR SPECIFICATION REFERENCES IN NOTES, SEE **"WOODMOOR WATER AND SANITATION DISTRICT NO. 1 STANDARD SPECIFICATIONS."**
4. FIRE HYDRANTS SHALL HAVE STAINLESS STEEL STEMS.
5. GATE VALVES SHALL HAVE STAINLESS STEEL STEMS. REF: **'2.1 GATE VALVES (2" THROUGH 12")'**
6. SEE **'2.10 TAPPING SADDLES'** FOR APPROVED TAPPING SADDLES.
7. FOR CROSSINGS, A FULL JOINT OF WATER MAIN SHALL BE CENTERED UNDER THE UPPER UTILITY.

* THE LOCATION OF ALL EXISTING UTILITIES (HORIZONTAL & VERTICAL) SHALL BE FIELD VERIFIED PRIOR TO BEGINNING OF CONSTRUCTION.

** SEE PROFILE FOR CROSSING INFORMATION.

*** HIGH DEFLECTION COUPLING TO BE USED.

DEFLECTIONS AT PIPE BELLS ARE NOT ALLOWED.


WOODMOOR WATER & SANITATION DISTRICT NO. 1
N
LOT 37
LOT 36
LOT 35
LOT 34
TRACT F
DOEWOOD DR. (80' ROW)
STA: 1+00.00 (W05) = STA: 2+46.80, 11.00' LT (MHE) INSTALL 8"x45° BEND, W/ MJ RSNTS
(P) DR ESMT (TYP)
ROW (TYP)
STA: 1+81.90 (E) 6" RAW WTR XING**
STA: 2+16.76 CL – PC
STA: 2+53.52 CL – PT
STA: 4+25.54 CL – PC
STA: 4+63.93 CL – PT
(P) UT ESMT (TYP)
(E) 20.00' SAN SWR ESMT
L1
L2
L3
L4
C1
C2
1+00
2+00
3+00
4+00
11.00'
STA: 4+81.10 INSTALL 8"x8" TEE W/ MJ RSNTS (3) 8" GATE VALVES
STA: 1+47.67 (P) 78" STM XING**
STA: 1+13.65 INSTALL 8"x22.5° BEND, W/ MJ RSNTS
MATCHLINE - 1+00.00 (WTR-05) = 17+12.13 (MHE) (SEE SHEET 6)
PROPERTY BOUNDARY (TYP)
(E) 8" PVC SAN SWR (TYP)
(E) 6" PVC RAW WTR MAIN (TYP)
(P) 6" PVC PASSIVE UD (TYP)
MONUMENT HILL RD. (50' ROW) [SEE SHEET 7]
(P) 20.00' DR ESMT
(P) 16.00' UT ESMT
LOT LINE (TYP)
(E) 8" PVC WTR MAIN (TYP)
HEIGHTS FILING NO. 2
(P) 8" PVC SAN SWR (TYP)
(P) STM (TYP)
(E) FIBER OPTIC (TYP)
(E) EDGE OF ASPHALT (TYP)
(P) SIDEWALK (TYP)

WTR-05
STA: 1+00 ~ 4+80

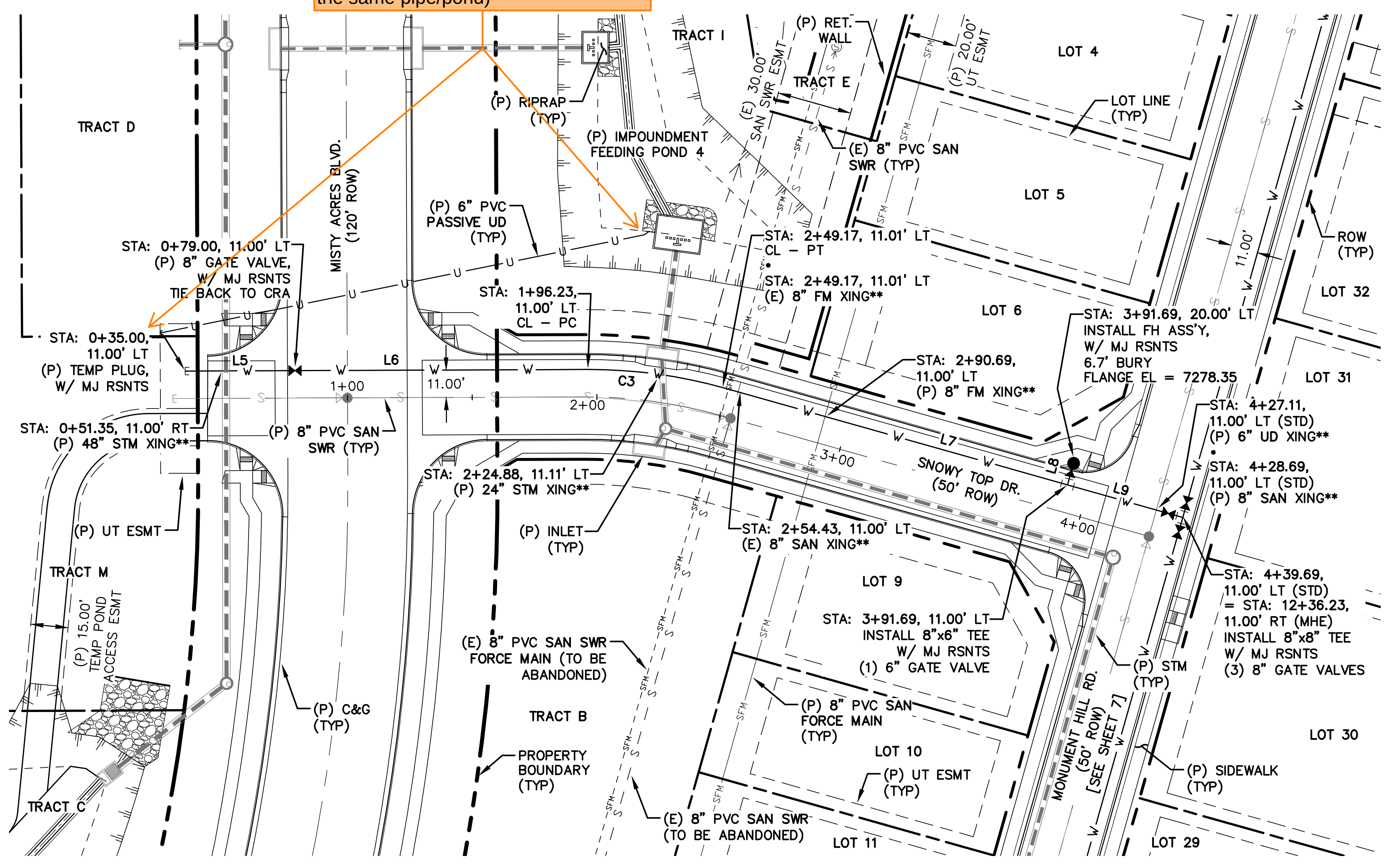
LINE TABLE – WTR MAIN		
LINE	BEARING	DISTANCE
L1	N57° 46' 17"E	13.65
L2	N80° 16' 17"E	103.10
L3	S89° 11' 44"E	172.01
L4	S84° 11' 44"E	17.17
L5	N89° 46' 22"E	44.00
L6	N89° 46' 22"E	117.31
L7	S74° 13' 43"E	142.62
L8	N15° 46' 17"E	9.00
L9	S74° 13' 43"E	48.00

CURVE TABLE – WTR			
CURVE	DELTA	RADIUS	LENGTH
C1	10°31'59"	200.00	36.77
C2	5°00'00"	440.00	38.40
C3	15°59'55"	200.00	55.85

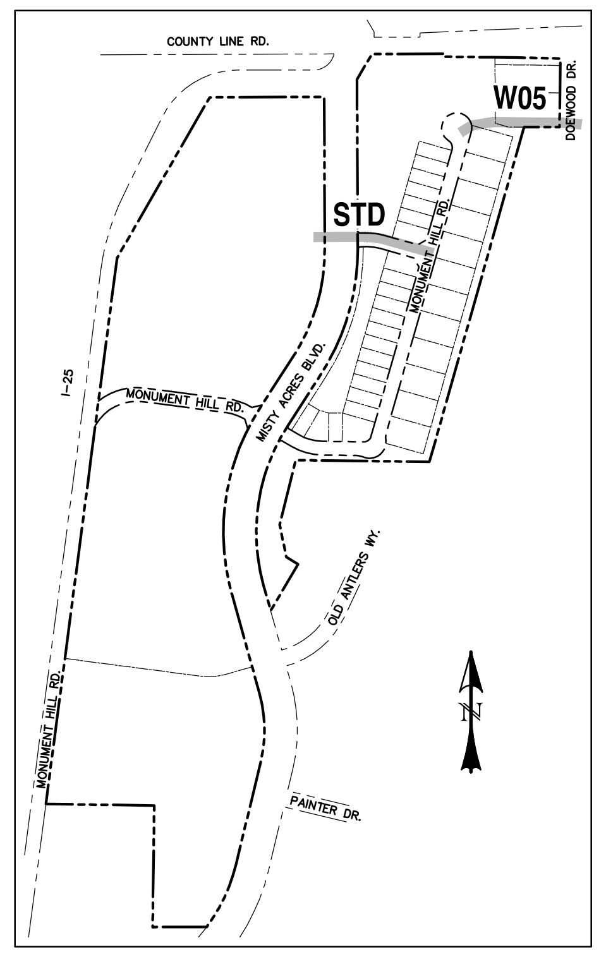
0 50 100

HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

Unresolved comment from Review 5: same comments/questions about the UD as on page 4 above (since this is the same pipe/pond)


TRACT D
TRACT I
TRACT E
TRACT M
TRACT C
TRACT B
(P) RIPRAP (TYP)
(P) IMPOUNDMENT FEEDING POND 4
(P) RET. WALL
(E) 30.00' SAN SWR ESMT
(P) 20.00' UT ESMT
LOT 4
LOT 5
LOT 6
LOT 9
LOT 10
LOT 11
LOT 29
LOT 30
LOT 31
LOT 32
LOT LINE (TYP)
(E) 8" PVC SAN SWR (TYP)
MISTY ACRES BLVD. (120' ROW)
(P) 6" PVC PASSIVE UD (TYP)
STA: 0+79.00, 11.00' LT (P) 8" GATE VALVE, W/ MJ RSNTS TIE BACK TO CRA
STA: 0+35.00, 11.00' LT (P) TEMP PLUG, W/ MJ RSNTS
STA: 0+51.35, 11.00' RT (P) 48" STM XING**
STA: 1+96.23, 11.00' LT CL – PC
STA: 2+49.17, 11.01' LT CL – PT
STA: 2+49.17, 11.01' LT (E) 8" FM XING**
STA: 2+24.88, 11.11' LT (P) 24" STM XING**
STA: 2+90.69, 11.00' LT (P) 8" FM XING**
STA: 3+91.69, 20.00' LT INSTALL FH ASS'Y, W/ MJ RSNTS 6.7' BURY FLANGE EL = 7278.35
STA: 4+27.11, 11.00' LT (STD) (P) 6" UD XING**
STA: 4+28.69, 11.00' LT (STD) (P) 8" SAN XING**
STA: 4+39.69, 11.00' LT (STD) = STA: 12+36.23, 11.00' RT (MHE) INSTALL 8"x8" TEE W/ MJ RSNTS (3) 8" GATE VALVES
STA: 2+54.43, 11.00' LT (E) 8" SAN XING**
STA: 3+91.69, 11.00' LT INSTALL 8"x6" TEE W/ MJ RSNTS (1) 6" GATE VALVE
L5
L6
L7
L8
L9
C3
1+00
2+00
3+00
4+00
11.00'
(P) 8" PVC SAN SWR (TYP)
(P) UT ESMT
(P) 15.00' TEMP POND ACCESS ESMT
(P) C&G (TYP)
(P) INLET (TYP)
(E) 8" PVC SAN SWR FORCE MAIN (TO BE ABANDONED)
PROPERTY BOUNDARY (TYP)
(E) 8" PVC SAN SWR (TO BE ABANDONED)
(P) 8" PVC SAN FORCE MAIN (TYP)
(P) UT ESMT (TYP)
SNOWY TOP DR. (50' ROW)
MONUMENT HILL RD. (50' ROW) [SEE SHEET 7]
(P) STM (TYP)
(P) SIDEWALK (TYP)
ROW (TYP)
N

SNOWY TOP DRIVE
STA: 0+25 ~ 4+50



LOCATION MAP
SCALE: N.T.S.

WOODMOOR WATER AND SANITARY DISTRICT NO. 1

APPROVED FOR CONSTRUCTION

DATE ______ BY ______

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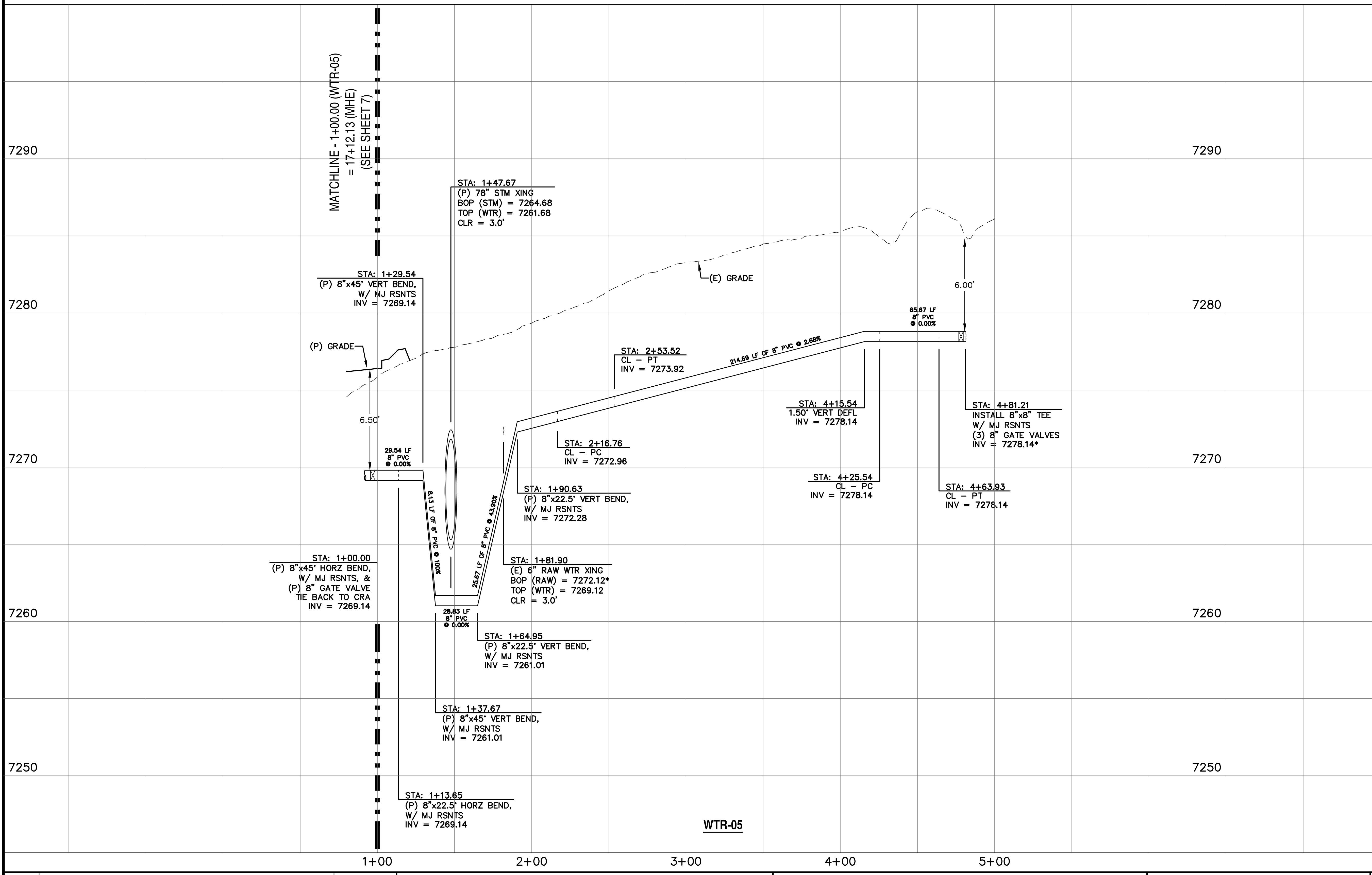
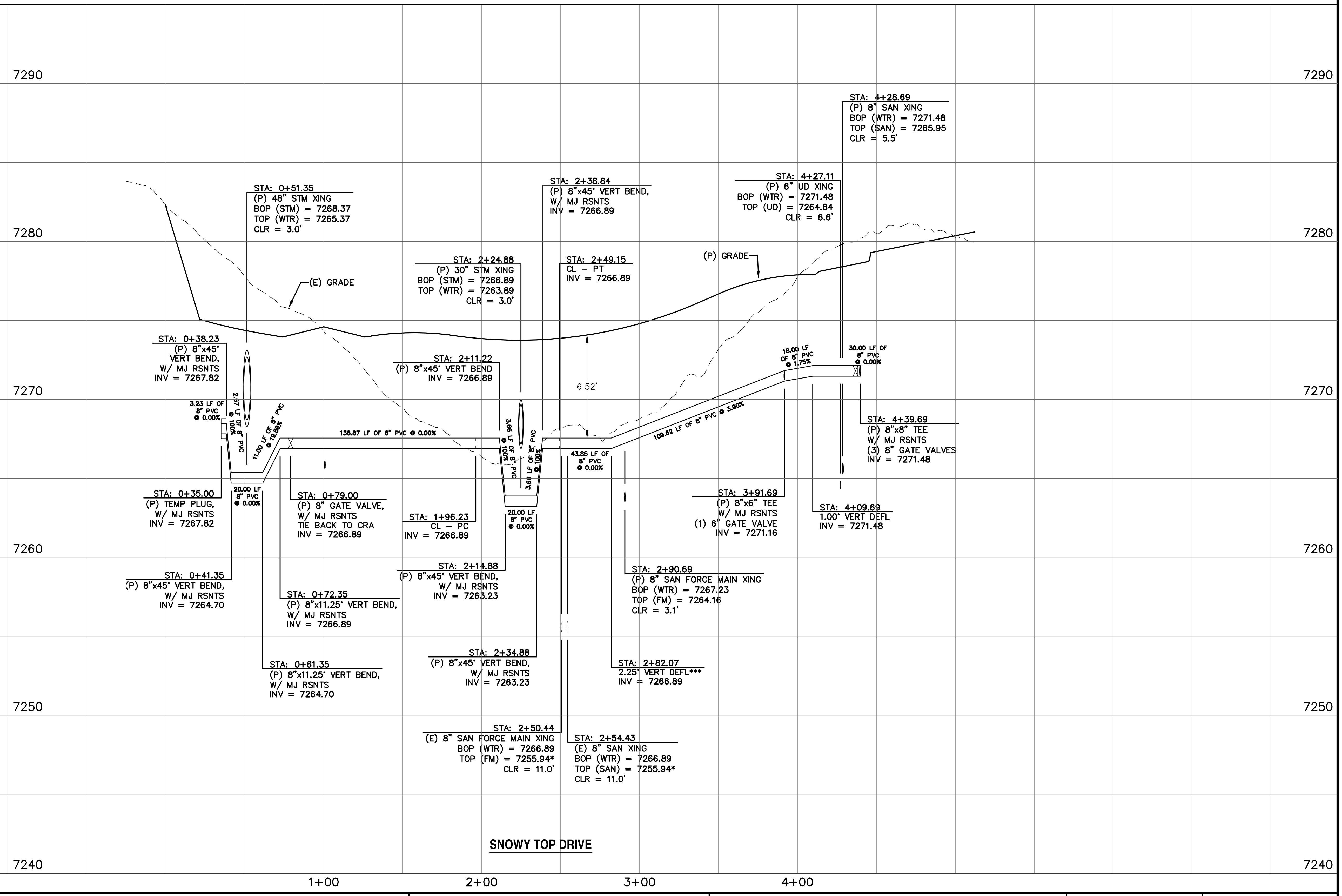

7290
7280
7270
7260
7250
MATCHLINE - 1+00.00 (WTR-05) = 17+12.13 (MHE) (SEE SHEET 7)
STA: 1+47.67 (P) 78" STM XING BOP (STM) = 7264.68 TOP (WTR) = 7261.68 CLR = 3.0'
STA: 1+29.54 (P) 8"x45° VERT BEND, W/ MJ RSNTS INV = 7269.14
(E) GRADE
(P) GRADE
6.50'
6.00'
29.54 LF 8" PVC @ 0.00%
8.13 LF OF 8" PVC @ 100%
25.67 LF OF 8" PVC @ 43.90%
28.83 LF 8" PVC @ 0.00%
214.69 LF OF 8" PVC @ 2.68%
65.67 LF 8" PVC @ 0.00%
STA: 2+53.52 CL – PT INV = 7273.92
STA: 2+16.76 CL – PC INV = 7272.96
STA: 1+90.63 (P) 8"x22.5° VERT BEND, W/ MJ RSNTS INV = 7272.28
STA: 1+81.90 (E) 6" RAW WTR XING BOP (RAW) = 7272.12* TOP (WTR) = 7269.12 CLR = 3.0'
STA: 1+64.95 (P) 8"x22.5° VERT BEND, W/ MJ RSNTS INV = 7261.01
STA: 1+37.67 (P) 8"x45° VERT BEND, W/ MJ RSNTS INV = 7261.01
STA: 1+00.00 (P) 8"x45° HORZ BEND, W/ MJ RSNTS, & (P) 8" GATE VALVE TIE BACK TO CRA INV = 7269.14
STA: 1+13.65 (P) 8"x22.5° HORZ BEND, W/ MJ RSNTS INV = 7269.14
STA: 4+15.54 1.50° VERT DEFL INV = 7278.14
STA: 4+25.54 CL – PC INV = 7278.14
STA: 4+81.21 INSTALL 8"x8" TEE W/ MJ RSNTS (3) 8" GATE VALVES INV = 7278.14*
STA: 4+63.93 CL – PT INV = 7278.14
WTR-05
1+00
2+00
3+00
4+00
5+00


7290
7280
7270
7260
7250
7240
STA: 0+51.35 (P) 48" STM XING BOP (STM) = 7268.37 TOP (WTR) = 7265.37 CLR = 3.0'
(E) GRADE
(P) GRADE
STA: 0+38.23 (P) 8"x45° VERT BEND, W/ MJ RSNTS INV = 7267.82
3.23 LF OF 8" PVC @ 0.00%
2.67 LF OF 8" PVC @ 100%
11.00 LF OF 8" PVC @ 19.89%
20.00 LF 8" PVC @ 0.00%
138.87 LF OF 8" PVC @ 0.00%
3.66 LF OF 8" PVC @ 100%
20.00 LF 8" PVC @ 0.00%
3.66 LF OF 8" PVC @ 100%
43.85 LF OF 8" PVC @ 0.00%
109.62 LF OF 8" PVC @ 3.90%
18.00 LF OF 8" PVC @ 1.75%
30.00 LF OF 8" PVC @ 0.00%
6.52'
STA: 0+35.00 (P) TEMP PLUG, W/ MJ RSNTS INV = 7267.82
STA: 0+41.35 (P) 8"x45° VERT BEND, W/ MJ RSNTS INV = 7264.70
STA: 0+79.00 (P) 8" GATE VALVE, W/ MJ RSNTS TIE BACK TO CRA INV = 7266.89
STA: 0+72.35 (P) 8"x11.25° VERT BEND, W/ MJ RSNTS INV = 7266.89
STA: 0+61.35 (P) 8"x11.25° VERT BEND, W/ MJ RSNTS INV = 7264.70
STA: 2+24.88 (P) 30" STM XING BOP (STM) = 7266.89 TOP (WTR) = 7263.89 CLR = 3.0'
STA: 2+11.22 (P) 8"x45° VERT BEND INV = 7266.89
STA: 1+96.23 CL – PC INV = 7266.89
STA: 2+14.88 (P) 8"x45° VERT BEND, W/ MJ RSNTS INV = 7263.23
STA: 2+34.88 (P) 8"x45° VERT BEND, W/ MJ RSNTS INV = 7263.23
STA: 2+50.44 (E) 8" SAN FORCE MAIN XING BOP (WTR) = 7266.89 TOP (FM) = 7255.94* CLR = 11.0'
STA: 2+54.43 (E) 8" SAN XING BOP (WTR) = 7266.89 TOP (SAN) = 7255.94* CLR = 11.0'
STA: 2+38.84 (P) 8"x45° VERT BEND, W/ MJ RSNTS INV = 7266.89
STA: 2+49.15 CL – PT INV = 7266.89
STA: 2+90.69 (P) 8" SAN FORCE MAIN XING BOP (WTR) = 7267.23 TOP (FM) = 7264.16 CLR = 3.1'
STA: 2+82.07 2.25° VERT DEFL*** INV = 7266.89
STA: 3+91.69 (P) 8"x6" TEE W/ MJ RSNTS (1) 6" GATE VALVE INV = 7271.16
STA: 4+09.69 1.00° VERT DEFL INV = 7271.48
STA: 4+27.11 (P) 6" UD XING BOP (WTR) = 7271.48 TOP (UD) = 7264.84 CLR = 6.6'
STA: 4+28.69 (P) 8" SAN XING BOP (WTR) = 7271.48 TOP (SAN) = 7265.95 CLR = 5.5'
STA: 4+39.69 (P) 8"x8" TEE W/ MJ RSNTS (3) 8" GATE VALVES INV = 7271.48
SNOWY TOP DRIVE
1+00
2+00
3+00
4+00

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	01/06/26
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ALIGNMENT ABREVIATIONS:
WTR–01 = W01
WTR–02 = W02
WTR–03 = W03
WTR–04 = W04
WTR–05 = W05
MISTY ACRES BOULEVARD = MAB
MONUMENT HILL ROAD [EAST] = MHE
MONUMENT HILL ROAD [WEST] = MHW
SNOWY TOP DRIVE = STD
OLD ANTLERS DRIVE = OAD

PREPARED FOR:
MONUMENT RIDGE EAST, LLC
5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

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PRC ENGINEERING
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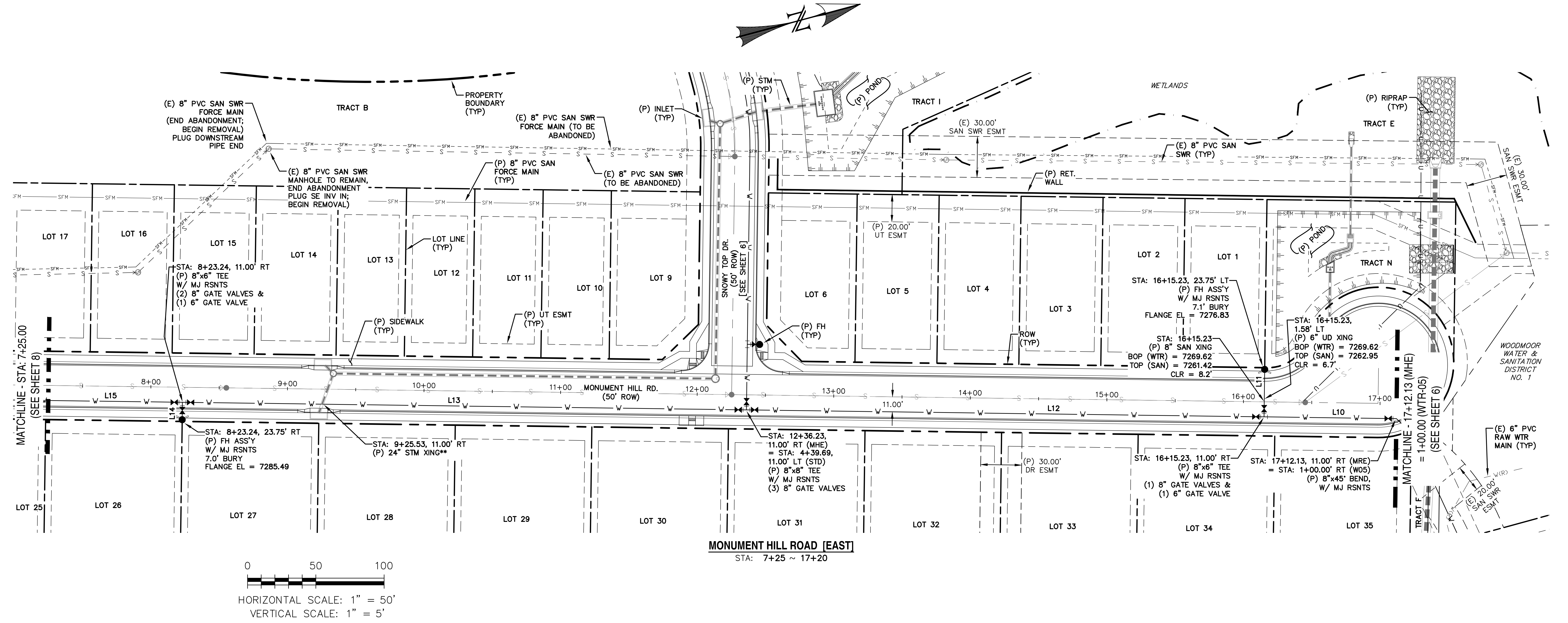
COLORADO SPRINGS, CO 80904
(719) 291–2744

MONUMENT RIDGE EAST
FILING NO. 1
WATER MAIN
PLAN & PROFILE

DESIGNED BY: MGP
DRAWN BY: MGP
SCALE: 1" = 50'
DATE: 04/28/25
JOB NUMBER: 24–001
SHEET: 6 OF 12


PROPERTY BOUNDARY (TYP)
TRACT B
(E) 8" PVC SAN SWR FORCE MAIN (END ABANDONMENT; BEGIN REMOVAL) PLUG DOWNSTREAM PIPE END
(E) 8" PVC SAN SWR MANHOLE TO REMAIN, END ABANDONMENT PLUG SE INV IN; BEGIN REMOVAL)
(E) 8" PVC SAN SWR FORCE MAIN (TO BE ABANDONED)
(P) 8" PVC SAN FORCE MAIN (TYP)
(E) 8" PVC SAN SWR (TO BE ABANDONED)
(P) INLET (TYP)
(P) STM (TYP)
(P) POND
TRACT I
WETLANDS
(E) 30.00' SAN SWR ESMT
(E) 8" PVC SAN SWR (TYP)
(P) RET. WALL
(P) RIPRAP (TYP)
TRACT E
(E) 30.00' SAN SWR ESMT
LOT 17
LOT 16
LOT 15
LOT 14
LOT 13
LOT 12
LOT 11
LOT 10
LOT 9
LOT 6
LOT 5
LOT 4
LOT 3
LOT 2
LOT 1
TRACT N
LOT LINE (TYP)
(P) UT ESMT (TYP)
(P) SIDEWALK (TYP)
SNOWY TOP DR. (50' ROW) [SEE SHEET 6]
(P) 20.00' UT ESMT
(P) FH (TYP)
ROW (TYP)
STA: 8+23.24, 11.00' RT (P) 8"x6" TEE W/ MJ RSNTS (2) 8" GATE VALVES & (1) 6" GATE VALVE
STA: 16+15.23, 23.75' LT (P) FH ASS'Y W/ MJ RSNTS 7.1' BURY FLANGE EL = 7276.83
STA: 16+15.23 (P) 8" SAN XING BOP (WTR) = 7269.62 TOP (SAN) = 7261.42 CLR = 8.2'
STA: 16+15.23, 1.58' LT (P) 6" UD XING BOP (WTR) = 7269.62 TOP (SAN) = 7262.95 CLR = 6.7'
MATCHLINE - STA: 7+25.00 (SEE SHEET 8)
8+00
9+00
10+00
11+00
12+00
13+00
14+00
15+00
16+00
17+00
MONUMENT HILL RD. (50' ROW)
11.00'
L15
L14
L13
L12
L11
L10
MATCHLINE - 17+12.13 (MHE) = 1+00.00 (WTR-05) (SEE SHEET 6)
WOODMOOR WATER & SANITATION DISTRICT NO. 1
STA: 8+23.24, 23.75' RT (P) FH ASS'Y W/ MJ RSNTS 7.0' BURY FLANGE EL = 7285.49
STA: 9+25.53, 11.00' RT (P) 24" STM XING**
STA: 12+36.23, 11.00' RT (MHE) = STA: 4+39.69, 11.00' LT (STD) (P) 8"x8" TEE W/ MJ RSNTS (3) 8" GATE VALVES
(P) 30.00' DR ESMT
STA: 16+15.23, 11.00' RT (P) 8"x6" TEE W/ MJ RSNTS (1) 8" GATE VALVES & (1) 6" GATE VALVE
STA: 17+12.13, 11.00' RT (MRE) = STA: 1+00.00' RT (W05) (P) 8"x45° BEND, W/ MJ RSNTS
(E) 6" PVC RAW WTR MAIN (TYP)
(E) 20.00' SAN SWR ESMT
TRACT F
LOT 25
LOT 26
LOT 27
LOT 28
LOT 29
LOT 30
LOT 31
LOT 32
LOT 33
LOT 34
LOT 35
0
50
100
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

MONUMENT HILL ROAD [EAST]
STA: 7+25 ~ 17+20

NOTES:

1. FOR MAINS IN PROPOSED STREETS, STATIONING IS RELATIVE TO STREET'S CENTERLINE.
2. FOR MAINS NOT ASSOCIATED WITH A PROPOSED STREET, STATIONING IS RELATIVE TO THE GRAVITY MAIN'S CENTERLINE.
3. FOR SPECIFICATION REFERENCES IN NOTES, SEE **"WOODMOOR WATER AND SANITATION DISTRICT NO. 1 STANDARD SPECIFICATIONS."**
4. FIRE HYDRANTS SHALL HAVE STAINLESS STEEL STEMS.
5. GATE VALVES SHALL HAVE STAINLESS STEEL STEMS. REF: **'2.1 GATE VALVES (2" THROUGH 12")'**
6. SEE **'2.10 TAPPING SADDLES'** FOR APPROVED TAPPING SADDLES.
7. FOR CROSSINGS, A FULL JOINT OF WATER MAIN SHALL BE CENTERED UNDER THE UPPER UTILITY.

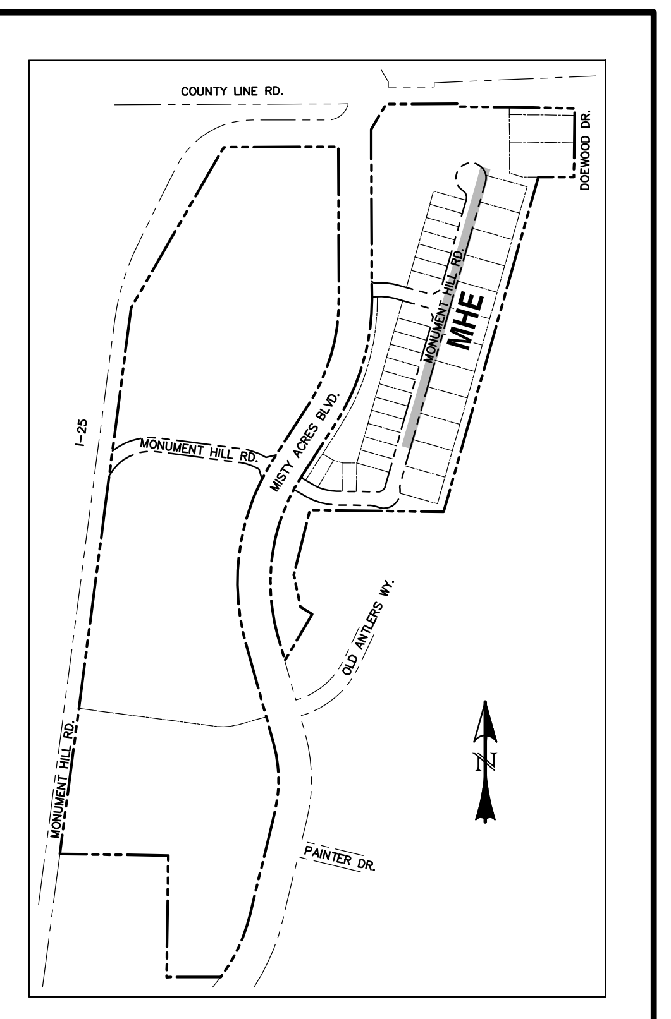
* THE LOCATION OF ALL EXISTING UTILITIES (HORIZONTAL & VERTICAL) SHALL BE FIELD VERIFIED PRIOR TO BEGINNING OF CONSTRUCTION.

** SEE PROFILE FOR CROSSING INFORMATION.

*** HIGH DEFLECTION COUPLING TO BE USED.

DEFLECTIONS AT PIPE BELLS ARE NOT ALLOWED.

LINE TABLE – WTR MAIN		
LINE	BEARING	DISTANCE
L10	S15° 46' 17"W	96.90
L11	N74° 13' 43"W	34.75
L12	S15° 46' 17"W	379.00
L13	S15° 46' 17"W	412.99
L14	S74° 13' 43"E	12.75
L15	S15° 46' 17"W	278.54



LOCATION MAP
SCALE: N.T.S.

WOODMOOR WATER AND SANITARY DISTRICT NO. 1

APPROVED FOR CONSTRUCTION

DATE ____________ BY ____________________

THESE PLANS HAVE BEEN REVIEWED ONLY FOR GENERAL CONFORMANCE WITH DISTRICT RULES AND REGULATIONS AND SYSTEM SPECIFICATIONS. REVIEW AND CONSTRUCTION APPROVAL BY THE DISTRICT DOES NOT RELIEVE THE DEVELOPER/OWNER AND/OR CONTRACTOR FROM RESPONSIBILITY FOR COMPLIANCE WITH ANY RULES, REGULATIONS OR SPECIFICATIONS REQUIRED BY THE DISTRICT.

7280
7270
7260
7250
7240
7290
7280
7270
7260
7250
MATCHLINE - 7+25.00 (SEE SHEET 6)
STA: 9+25.53 (P) 24" STM XING BOP (STM) = 7278.64 TOP (WTR) = 7275.64 CLR = 3.0'
(E) GRADE
(P) GRADE
6.2'
293.56 LF OF 8" PVC @ 1.70%
88.14 LF OF 8" PVC @ 1.70%
4.15 LF OF 8" PVC @ 41.42%
6.06 LF OF 8" PVC @ 19.98%
20.00 LF OF 8" PVC @ 0.00%
258.70 LF OF 8" PVC @ 1.70%
17.77 LF OF 8" PVC @ 0.00%
249.35 LF OF 8" PVC @ 0.00%
155.58 LF OF 8" PVC @ 1.50%
25.94 LF OF 8" PVC @ 1.50%
70.96 LF OF 8" PVC @ 0.00%
STA: 8+23.24 (P) 8"x6" TEE W/ MJ RSNTS (2) 8" GATE VALVES, & (1) 6" GATE VALVE INV = 7278.20
STA: 9+11.38 (P) 8"x22.5° VERT BEND, W/ MJ RSNTS INV = 7276.70
STA: 9+15.53 (P) 8"x11.25° VERT BEND, W/ MJ RSNTS INV = 7274.98
STA: 9+41.59 (P) 8"x11.25° VERT BEND, W/ MJ RSNTS INV = 7276.18
STA: 9+35.53 (P) 8"x11.25° VERT BEND, W/ MJ RSNTS INV = 7274.98
STA: 12+18.46 1.00° VERT DEFL INV = 7271.48
STA: 12+36.23, (P) 8"x8" TEE W/ MJ RSNTS (3) 8" GATE VALVES INV = 7271.48
STA: 14+85.58 0.75° VERT DEFL INV = 7271.48
STA: 16+41.17 0.75° VERT DEFL INV = 7269.14
STA: 16+15.23 (P) 8"x6" TEE W/ MJ RSNTS (1) 8" GATE VALVE, & (1) 6" GATE VALVE INV = 7268.53
STA: 16+56.23 (P) 8"x22.5° BEND, W/ MJ RSNTS INV = 7269.14
STA: 17+12.13 (P) 8"x45° BEND, W/ MJ RSNTS, & (P) 8" GATE VALVE TIE BACK TO CRA INV = 7269.14
6.2'
MATCHLINE - 17+12.13 (MHE) = 1+00.00 (WTR-05) (SEE SHEET 6)
MONUMENT HILL ROAD [EAST]
7+00
8+00
9+00
10+00
11+00
12+00
13+00
14+00
15+00
16+00
17+00

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	01/06/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	09/22/26

811
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ALIGNMENT ABREVIATIONS:

WTR–01 = W01
WTR–02 = W02
WTR–03 = W03
WTR–04 = W04
WTR–05 = W05
MISTY ACRES BOULEVARD = MAB
MONUMENT HILL ROAD [EAST] = MHE
MONUMENT HILL ROAD [WEST] = MHW
SNOWY TOP DRIVE = STD
OLD ANTLERS DRIVE = OAD

PREPARED FOR:
MONUMENT RIDGE EAST, LLC
5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

PREPARE
NOT FOR CONSTRUCTION
RAYMO

PRC
ENGINEERING
1685 W. UINTAH STREET, SUITE 114
COLORADO SPRINGS, CO 80904
(719) 291–2744

MONUMENT RIDGE EAST
FILING NO. 1
WATER MAIN
PLAN & PROFILE

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 50'	DATE: 04/28/25
JOB NUMBER	SHEET
24–001	7 OF 12

NOTES:

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6. SEE '**2.10 TAPPING SADDLES**' FOR APPROVED TAPPING SADDLES.
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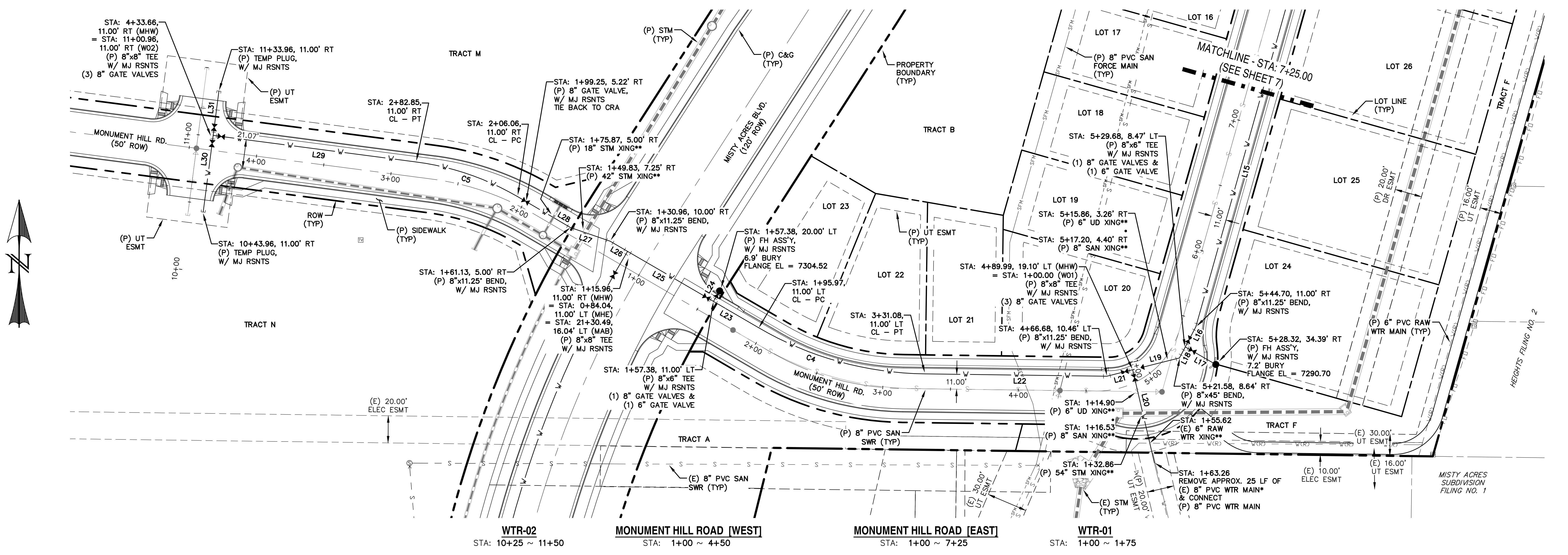
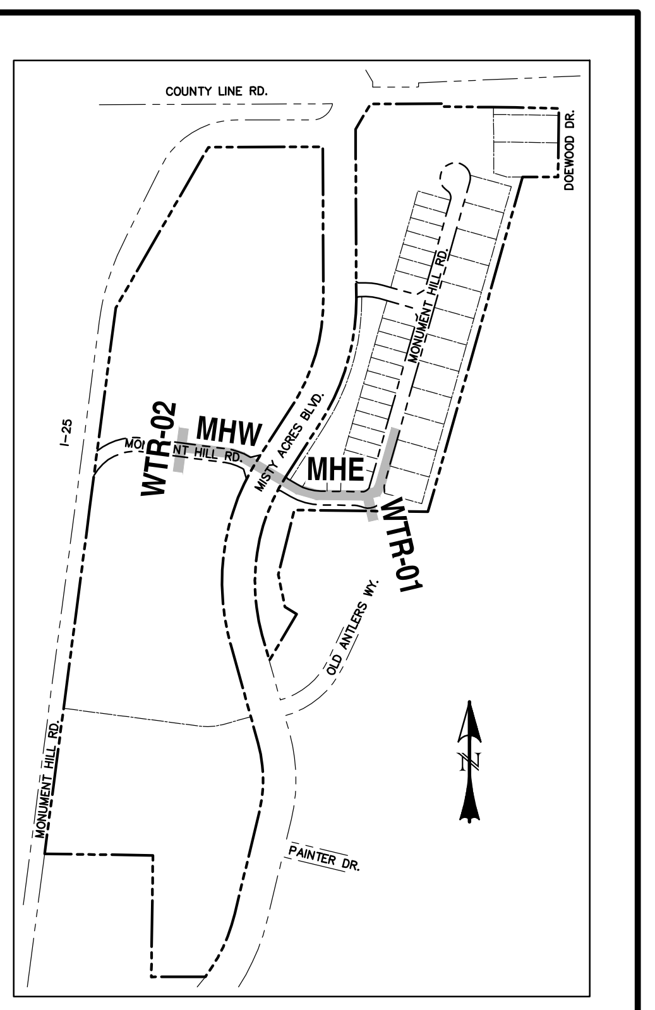

N
TRACT M
TRACT N
TRACT A
TRACT B
TRACT F
LOT 16
LOT 17
LOT 18
LOT 19
LOT 20
LOT 21
LOT 22
LOT 23
LOT 24
LOT 25
LOT 26
MONUMENT HILL RD. (50' ROW)
MISTY ACRES BLVD. (120' ROW)
MATCHLINE - STA: 7+25.00 (SEE SHEET 7)
HEIGHTS FILING NO. 2
MISTY ACRES SUBDIVISION FILING NO. 1
STA: 4+33.66, 11.00' RT (MHW) = STA: 11+00.96, 11.00' RT (W02) (P) 8"x8" TEE W/ MJ RSNTS (3) 8" GATE VALVES
STA: 11+33.96, 11.00' RT (P) TEMP PLUG, W/ MJ RSNTS
(P) UT ESMT
STA: 2+82.85, 11.00' RT CL – PT
STA: 2+06.06, 11.00' RT CL – PC
STA: 1+99.25, 5.22' RT (P) 8" GATE VALVE, W/ MJ RSNTS TIE BACK TO CRA
STA: 1+75.87, 5.00' RT (P) 18" STM XING**
STA: 1+49.83, 7.25' RT (P) 42" STM XING**
(P) STM (TYP)
(P) C&G (TYP)
PROPERTY BOUNDARY (TYP)
(P) 8" PVC SAN FORCE MAIN (TYP)
LOT LINE (TYP)
21.07'
ROW (TYP)
(P) SIDEWALK (TYP)
(P) UT ESMT
STA: 10+43.96, 11.00' RT (P) TEMP PLUG, W/ MJ RSNTS
STA: 1+30.96, 10.00' RT (P) 8"x11.25° BEND, W/ MJ RSNTS
STA: 1+61.13, 5.00' RT (P) 8"x11.25° BEND, W/ MJ RSNTS
STA: 1+15.96, 11.00' RT (MHW) = STA: 0+84.04, 11.00' LT (MHE) = STA: 21+30.49, 16.04' LT (MAB) (P) 8"x8" TEE W/ MJ RSNTS
STA: 1+57.38, 11.00' LT (P) 8"x6" TEE W/ MJ RSNTS (1) 8" GATE VALVES & (1) 6" GATE VALVE
STA: 1+57.38, 20.00' LT (P) FH ASS'Y, W/ MJ RSNTS 6.9' BURY FLANGE EL = 7304.52
STA: 1+95.97, 11.00' LT CL – PC
(P) UT ESMT (TYP)
STA: 3+31.08, 11.00' LT CL – PT
STA: 4+89.99, 19.10' LT (MHW) = STA: 1+00.00 (W01) (P) 8"x8" TEE W/ MJ RSNTS (3) 8" GATE VALVES
STA: 4+66.68, 10.46' LT (P) 8"x11.25° BEND, W/ MJ RSNTS
STA: 5+29.68, 8.47' LT (P) 8"x6" TEE W/ MJ RSNTS (1) 8" GATE VALVES & (1) 6" GATE VALVE
STA: 5+15.86, 3.26' RT (P) 6" UD XING**
STA: 5+17.20, 4.40' RT (P) 8" SAN XING**
STA: 5+44.70, 11.00' RT (P) 8"x11.25° BEND, W/ MJ RSNTS
STA: 5+28.32, 34.39' RT (P) FH ASS'Y, W/ MJ RSNTS 7.2' BURY FLANGE EL = 7290.70
STA: 5+21.58, 8.64' RT (P) 8"x45° BEND, W/ MJ RSNTS
(P) 6" PVC RAW WTR MAIN (TYP)
(P) 20.00' DR ESMT
(P) 16.00' UT ESMT
STA: 1+14.90 (P) 6" UD XING**
STA: 1+16.53 (P) 8" SAN XING**
STA: 1+55.62 (E) 6" RAW WTR XING**
STA: 1+32.86 (P) 54" STM XING**
STA: 1+63.26 REMOVE APPROX. 25 LF OF (E) 8" PVC WTR MAIN* & CONNECT (P) 8" PVC WTR MAIN
(E) STM (TYP)
(P) 8" PVC SAN SWR (TYP)
(E) 8" PVC SAN SWR (TYP)
(E) 20.00' ELEC ESMT
(E) 30.00' UT ESMT
(E) 10.00' ELEC ESMT
(E) 16.00' UT ESMT
(P) 20.00' UT ESMT
(E) 30.00' UT ESMT
11.00'
L15 L16 L17 L18 L19 L20 L21 L22 L23 L24 L25 L26 L27 L28 L29 L30 L31
C4 C5
1+00 2+00 3+00 4+00 5+00 6+00 7+00 10+00 11+00
WTR-02 STA: 10+25 ~ 11+50
MONUMENT HILL ROAD [WEST] STA: 1+00 ~ 4+50
MONUMENT HILL ROAD [EAST] STA: 1+00 ~ 7+25
WTR-01 STA: 1+00 ~ 1+75

0 50 100

HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

LINE TABLE – WTR MAIN		
LINE	BEARING	DISTANCE
L15	S15° 46' 17"W	278.54
L16	S27° 51' 09"W	16.74
L17	S60° 08' 51"E	25.98
L18	S27° 51' 09"W	9.19
L19	S75° 51' 09"W	35.57
L20	S13° 08' 51"E	70.62
L21	S75° 51' 09"W	19.63
L22	N89° 15' 42"W	134.08
L23	N59° 45' 36"W	38.59
L24	N30° 14' 24"E	9.00
L25	N59° 45' 36"W	73.34
L26	N59° 45' 36"W	15.00
L27	N71° 00' 36"W	30.75
L28	N59° 45' 36"W	45.37
L29	N82° 33' 30"W	150.81
L30	N7° 26' 30"E	57.00
L31	N7° 26' 30"E	33.00

CURVE TABLE – WTR			
CURVE	DELTA	RADIUS	LENGTH
C4	29°30'06"	250.00	128.73
C5	22°47'54"	200.00	79.58



LOCATION MAP
SCALE: N.T.S.

WOODMOOR WATER AND SANITARY DISTRICT NO. 1

APPROVED FOR CONSTRUCTION

DATE ______ BY ______

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7320 7310 7300 7290 7280
7300 7290 7280 7270 7260
1+00 2+00 3+00 4+00 11+00 12+00 1+00 2+00 3+00 4+00 5+00 6+00 7+00 1+00 2+00
MONUMENT HILL ROAD [WEST]
STA: 1+15.96 (P) 8"x8" TEE, W/ MJ RSNTS (3) 8" GATE VALVES INV = 7297.31
STA: 1+49.83 (P) 42" STM XING BOP (STM) = 7296.58 TOP (WTR) = 7293.58 CLR = 3.0'
STA: 1+75.87 (P) 18" STM XING BOP (STM) = 7300.24 TOP (WTR) = 7297.24 CLR = 3.0'
(E) GRADE
(P) GRADE
6.2'
STA: 4+13.63 1.00° VERT DEFL INV = 7309.11
20.03 LF OF 8" PVC @ 0.00%
46.84 LF OF 8" PVC @ 2.73%
STA: 3+66.79 2.25° VERT DEFL*** INV = 7307.83
STA: 2+00.88 2.25° VERT DEFL*** INV = 7297.05
165.91 LF OF 8" PVC @ 6.50%
19.47 LF OF 8" PVC @ 0.00%
4.40 LF OF 8" PVC @ 100%
20.00 LF OF 8" PVC @ 0.00%
17.38 LF OF 8" PVC @ 2.73%
3.67 LF OF 8" PVC @ 100%
20.00 LF OF 8" PVC @ 0.00%
STA: 2+47.64 (P) 8"x11.25° HORZ BEND, W/ MJ RSNTS INV = 7300.09
STA: 4+33.66 (P) 8"x8" TEE, W/ MJ RSNTS (3) 8" GATE VALVES INV = 7309.11
STA: 1+35.43 (P) 8"x45° VERT BEND, W/ MJ RSNTS INV = 7297.31
STA: 2+11.47 (P) 8"x11.25° HORZ BEND, W/ MJ RSNTS INV = 7297.74
STA: 1+39.83 (P) 8"x45° VERT BEND, W/ MJ RSNTS INV = 7292.91
STA: 2+06.06 (P) 8" GATE VALVE, W/ MJ RSNTS TIE BACK TO CRA INV = 7297.39
STA: 1+59.83 (P) 8"x45° VERT BEND, W/ MJ RSNTS INV = 7292.91
STA: 1+83.50 1.50° VERT DEFL INV = 7296.58
STA: 1+63.50 (P) 8"x45° VERT BEND, W/ MJ RSNTS INV = 7296.58
WTR-02
(E) GRADE
(P) GRADE
6.3'
STA: 11+33.96 (P) TEMP PLUG, W/ MJ RSNTS INV = 7308.76
57.00 LF OF 8" PVC @ 0.00%
33.00 LF OF 8" PVC @ 0.00%
STA: 10+43.96 (P) TEMP PLUG, W/ MJ RSNTS INV = 7308.76
STA: 11+00.96 (P) 8"x8" TEE, W/ MJ RSNTS (3) 8" GATE VALVES INV = 7308.76
MONUMENT HILL ROAD [EAST]
(E) GRADE
6.2'
73.42 LF OF 8" PVC @ 0.00%
33.59 LF OF 8" PVC @ 0.00%
(P) GRADE
STA: 1+57.38 (P) 8"x6" TEE W/ MJ RSNTS (1) 8" GATE VALVE, & (1) 6" GATE VALVE INV = 7297.31
STA: 1+95.97 CL – PC INV = 7297.08
244.06 LF OF 8" PVC @ 4.59%
STA: 21+90.97 2.50° VERT DEFL*** INV = 7297.31
STA: 3+31.08 CL – PT INV = 7290.88
STA: 0+83.96 (P) 8"x8" TEE, W/ MJ RSNTS INV = 7297.31
STA: 4+35.03 1.25° VERT DEFL INV = 7286.12
54.96 LF OF 8" PVC @ 3.49%
18.72 LF OF 8" PVC @ 3.49%
STA: 5+08.71 1.00° VERT DEFL INV = 7283.54
20.97 LF OF 8" PVC @ 1.70%
STA: 5+21.58 (P) 8"x45° BEND, W/ MJ RSNTS INV = 7283.32
293.56 LF OF 8" PVC @ 1.70%
6.2'
MATCHLINE - 7+25.00 (SEE SHEET 7)
STA: 4+66.68 (P) 8"x11.25° BEND, W/ MJ RSNTS INV = 7285.01
STA: 5+44.70 (P) 8"x11.25° BEND, W/ MJ RSNTS INV = 7282.93
STA: 4+89.99 (P) 8"x8" TEE W/ MJ RSNTS (3) 8" GATE VALVES INV = 7284.20
STA: 5+29.68 (P) 8"x6" TEE W/ MJ RSNTS (1) 8" GATE VALVE, & (1) 6" GATE VALVE INV = 7283.19
STA: 5+13.71 (P) 8" SAN XING BOP (WTR) = 7287.62 TOP (FM) = 7277.06 CLR = 10.6'
STA: 5+17.20 (P) 6" UD XING BOP (WTR) = 7283.40 TOP (UD) = 7277.98 CLR = 5.4'
STA: 5+17.20 (P) 8" SAN XING BOP (WTR) = 7283.40 TOP (SAN) = 7276.83 CLR = 6.6'
WTR-01
STA: 1+32.86 (P) 54" STM XING BOP (STM) = 7282.96 TOP (WTR) = 7279.96 CLR = 3.0'
STA: 1+55.62 (P) 6" RAW WTR XING BOP (RAW) = 7284.85 TOP (WTR) = 7279.96 CLR = 4.9'
STA: 1+17.96 (P) 8"x45° VERT BEND, W/ MJ RSNTS INV = 7284.20
(P) GRADE
(E) GRADE
6.1'
REMOVE APPROX. 18 LF OF (E) 8" PVC WTR MAIN
17.96 LF OF 8" PVC @ 0.00%
4.58 LF OF 8" PVC @ 100%
5.00 LF OF 8" PVC @ 0.00%
38.20 LF OF 8" PVC @ 0.00%
STA: 1+00.00 (P) 8"x8" TEE, W/ MJ RSNTS (3) 8" GATE VALVES INV = 7284.20
STA: 1+70.62 CONNECT TO (E) 8" WTR MAIN INV = 7283.86*
STA: 1+65.62 (P) 8"x45° VERT BEND, W/ MJ RSNTS INV = 7283.86
4.56 LF OF 8" PVC @ 100%
STA: 1+14.90 (P) 6" UD XING BOP (WTR) = 7284.20 TOP (UD) = 7277.56 CLR = 6.6'
STA: 1+16.53 (P) 8" SAN XING BOP (WTR) = 7284.20 TOP (SAN) = 7278.73 CLR = 5.5'
STA: 1+61.06 (P) 8"x45° VERT BEND, W/ MJ RSNTS INV = 7279.30
STA: 1+22.86 (P) 8"x45° VERT BEND, W/ MJ RSNTS INV = 7279.30

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	01/06/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	09/22/26

811 Know what's below. Call 72 hours before you dig.
For more details visit:

ALIGNMENT ABREVIATIONS:

WTR–01 = W01
WTR–02 = W02
WTR–03 = W03
WTR–04 = W04
WTR–05 = W05
MISTY ACRES BOULEVARD = MAB
MONUMENT HILL ROAD [EAST] = MHE
MONUMENT HILL ROAD [WEST] = MHW
SNOWY TOP DRIVE = STD
OLD ANTLERS DRIVE = OAD

PREPARED FOR:

MONUMENT RIDGE EAST, LLC

5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

PREPARE

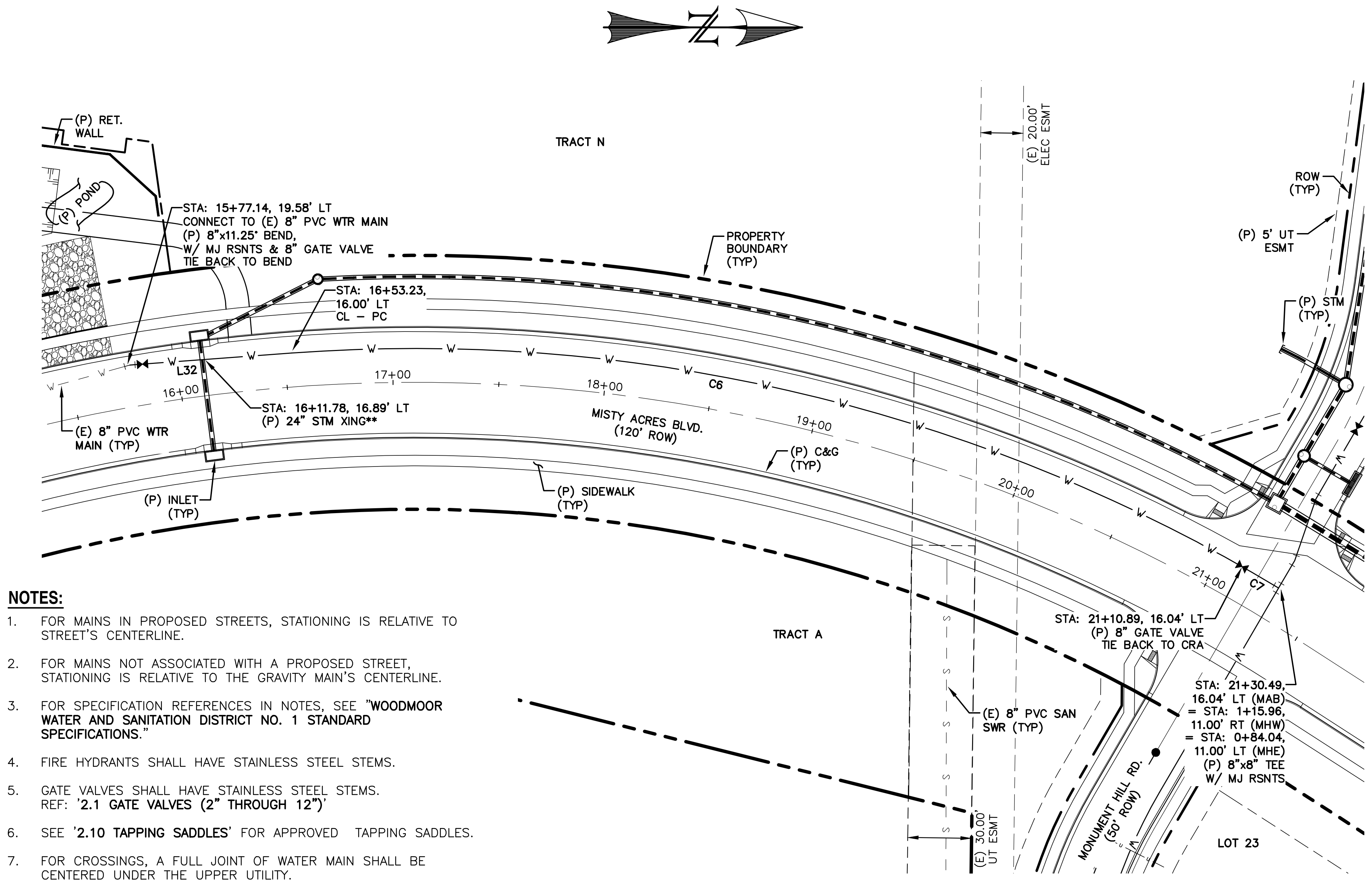
RAYMO

NOT FOR CONSTRUCTION

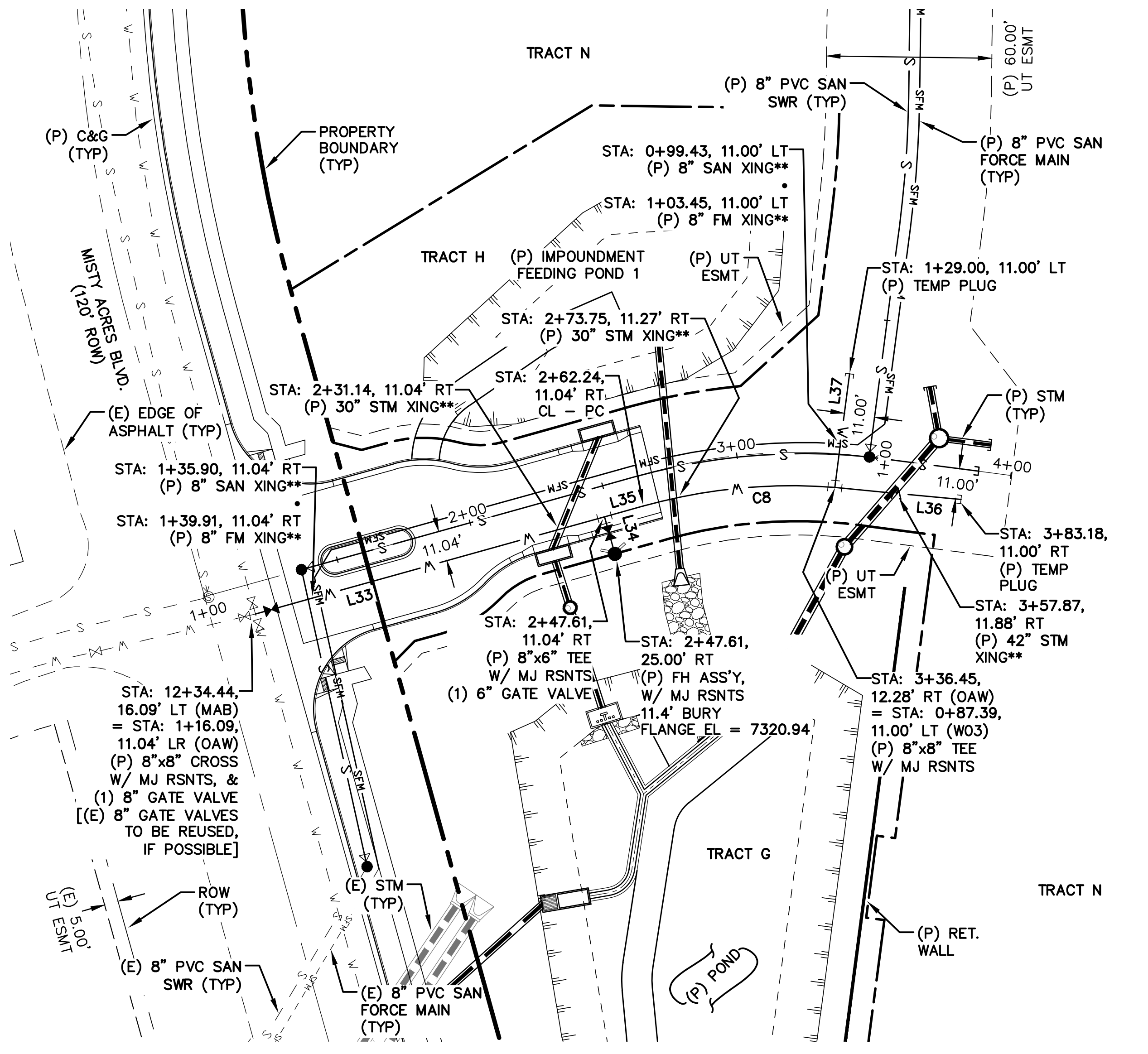
PRC ENGINEERING
1685 W. UINTAH STREET, SUITE 114
COLORADO SPRINGS, CO 80904
(719) 291–2744

MONUMENT RIDGE EAST
FILING NO. 1
WATER MAIN
PLAN & PROFILE

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 50'	DATE: 04/28/25
JOB NUMBER	SHEET
24–001	8 OF 12

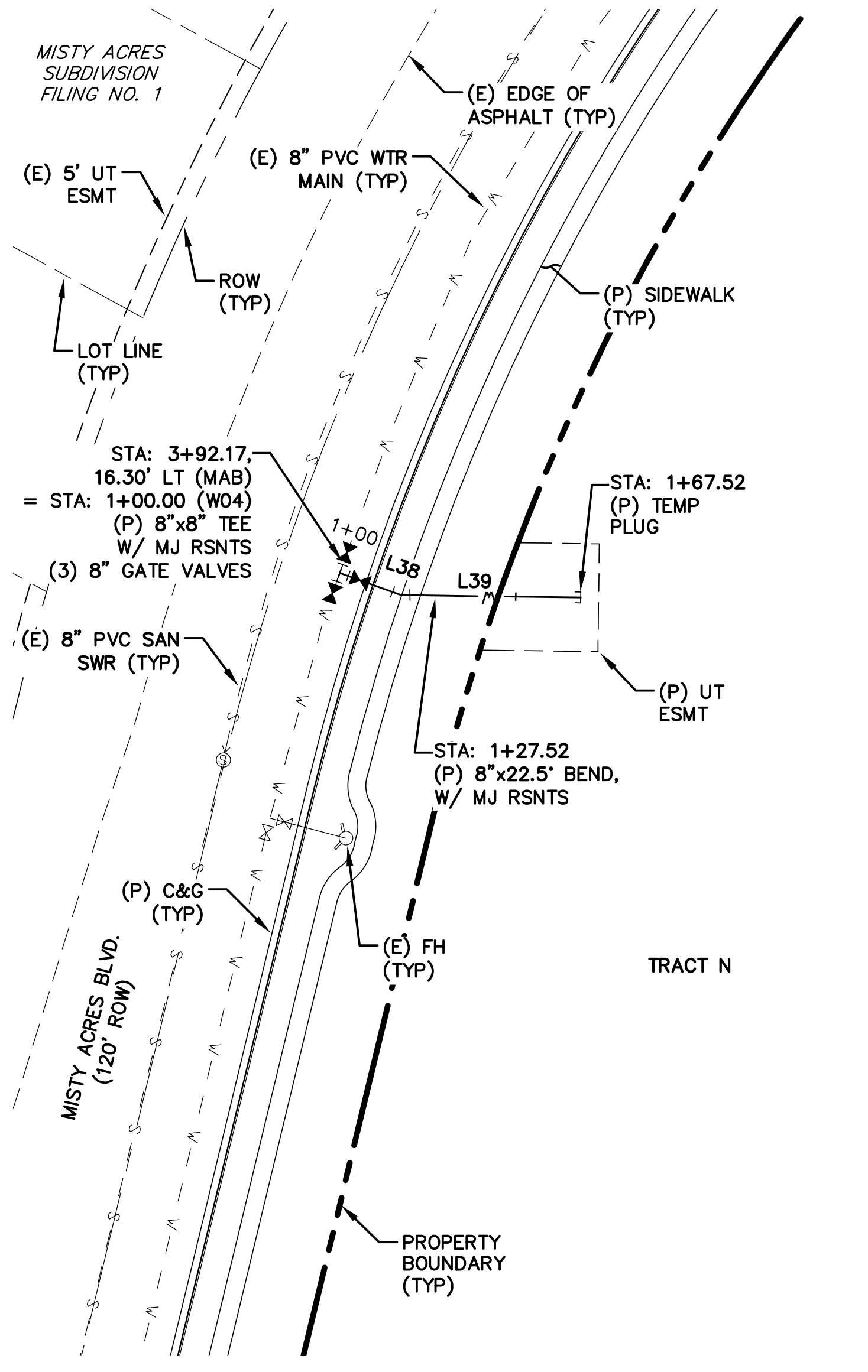


MISTY ACRES BOULEVARD
STA: 15+60 ~ 21+40



OLD ANTLERS WAY
STA: 1+00 ~ 3+90

WTR-03
STA: 1+00 ~ 1+50



WTR-04
STA: 1+00 ~ 1+75

NOTES:

1. FOR MAINS IN PROPOSED STREETS, STATIONING IS RELATIVE TO STREET'S CENTERLINE.
2. FOR MAINS NOT ASSOCIATED WITH A PROPOSED STREET, STATIONING IS RELATIVE TO THE GRAVITY MAIN'S CENTERLINE.
3. FOR SPECIFICATION REFERENCES IN NOTES, SEE "**WOODMOOR WATER AND SANITATION DISTRICT NO. 1 STANDARD SPECIFICATIONS.**"
4. FIRE HYDRANTS SHALL HAVE STAINLESS STEEL STEMS.
5. GATE VALVES SHALL HAVE STAINLESS STEEL STEMS. REF: '**2.1 GATE VALVES (2" THROUGH 12")**'
6. SEE '**2.10 TAPPING SADDLES**' FOR APPROVED TAPPING SADDLES.
7. FOR CROSSINGS, A FULL JOINT OF WATER MAIN SHALL BE CENTERED UNDER THE UPPER UTILITY.

* THE LOCATION OF ALL EXISTING UTILITIES (HORIZONTAL & VERTICAL) SHALL BE FIELD VERIFIED PRIOR TO BEGINNING OF CONSTRUCTION.

** SEE PROFILE FOR CROSSING INFORMATION.

*** HIGH DEFLECTION COUPLING TO BE USED.

DEFLECTIONS AT PIPE BELLS ARE NOT ALLOWED.

LINE TABLE – WTR MAIN

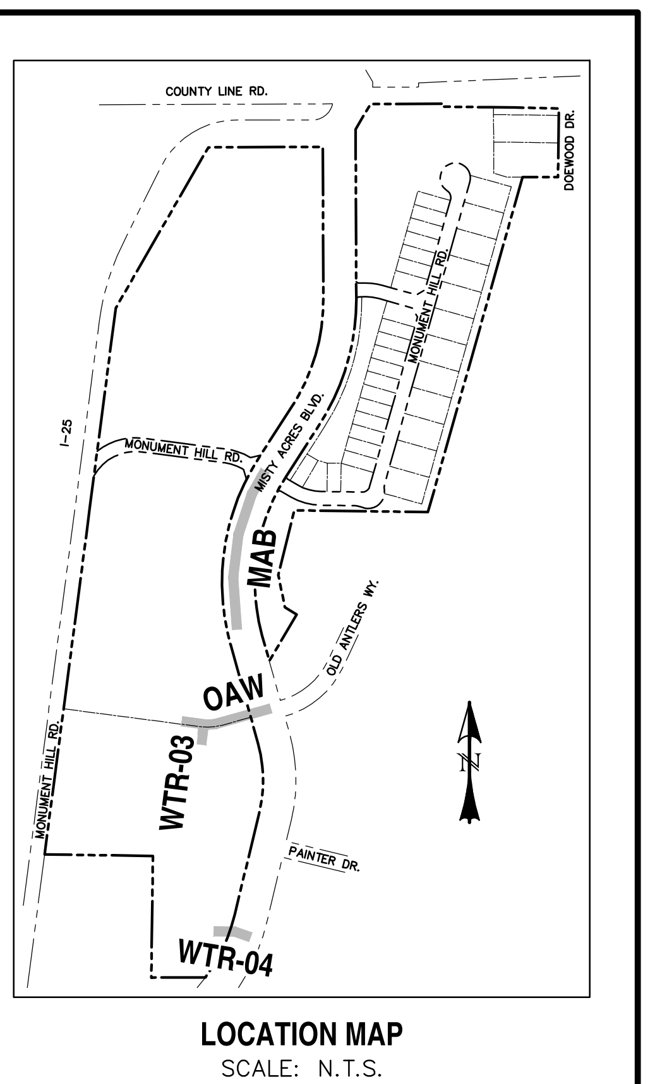
LINE	BEARING	DISTANCE
L32	N4° 25' 40"W	77.88
L33	S74° 25' 29"W	131.52
L34	N15° 34' 30"W	13.96
L35	S74° 25' 29"W	14.63
L36	N84° 33' 30"W	46.03
L37	S7° 26' 30"W	41.61
L38	N70° 10' 35"W	27.52
L39	N89° 14' 03"W	40.00

CURVE TABLE – WTR

CURVE	DELTA	RADIUS	LENGTH
C6	33°50'06"	791.00	467.11
C7	1°26'55"	791.00	20.00
C8	20°06'07"	200.00	70.17

0 50 100

HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'



LOCATION MAP
SCALE: N.T.S.

WOODMOOR WATER AND SANITARY DISTRICT NO. 1

APPROVED FOR CONSTRUCTION

DATE ____________ BY ______________________

THESE PLANS HAVE BEEN REVIEWED ONLY FOR GENERAL CONFORMANCE WITH DISTRICT RULES AND REGULATIONS AND SYSTEM SPECIFICATIONS. REVIEW AND CONSTRUCTION APPROVAL BY THE DISTRICT DOES NOT RELIEVE THE DEVELOPER/OWNER AND/OR CONTRACTOR FROM RESPONSIBILITY FOR COMPLIANCE WITH ANY RULES, REGULATIONS OR SPECIFICATIONS REQUIRED BY THE DISTRICT.

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PREPARED FOR:

MONUMENT RIDGE EAST, LLC

5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

PREPARE

NOT FOR CONSTRUCTION

RAYMO

PRC
ENGINEERING
1685 W. UINTAH STREET, SUITE 114
COLORADO SPRINGS, CO 80904
(719) 291–2744

MONUMENT RIDGE EAST
FILING NO. 1
WATER MAIN
PLAN & PROFILE

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 50'	DATE: 04/28/25
JOB NUMBER	SHEET
24–001	9 OF 12

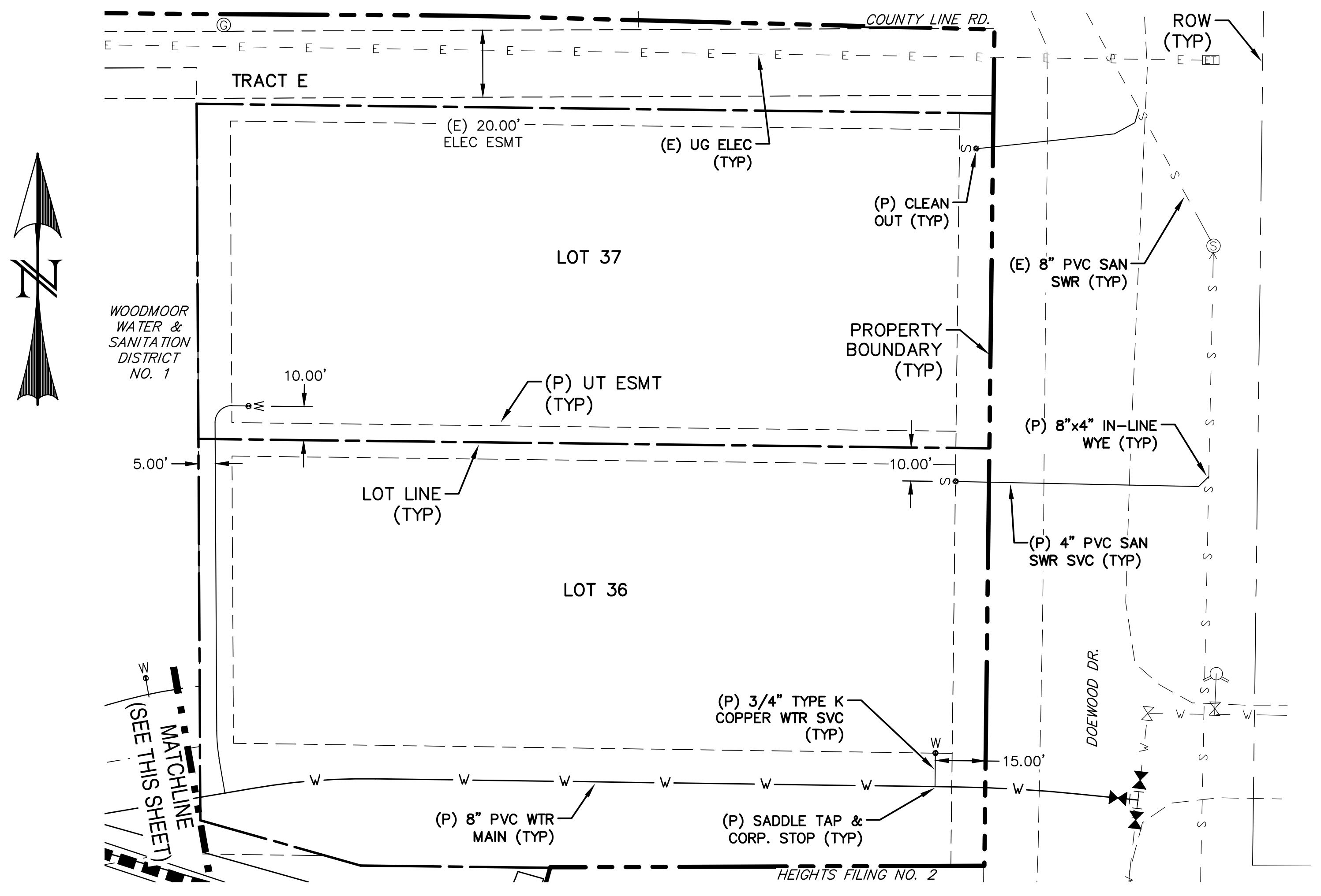
MISTY ACRES BLVD. (120' ROW)
LOT 23
LOT 22
LOT 21
PROPERTY BOUNDARY (TYP)
TRACT B
(P) SADDLE TAP & CORP. STOP (TYP)
(P) 8"x4" IN-LINE WYE (TYP)
EASEMENT
LOT 20
LOT 19
LOT 18
LOT 17
LOT 16
LOT 15
LOT 14
LOT 13
LOT 12
LOT 11
LOT 10
LOT 9
(P) UT ESMT (TYP)
10.00' (TYP)
(P) CLEAN OUT (TYP)
(P) CURB STOP (TYP)
(P) 8" PVC SAN FORCE MAIN (TYP)
LOT LINE (TYP)
SNOWY TOP DR. (50' ROW)
MONUMENT HILL RD. (50' ROW)
(P) 8" PVC WTR MAIN (TYP)
(P) STM (TYP)
TRACT F
(P) 8" PVC SAN SWR (TYP)
LOT 24
LOT 25
LOT 26
LOT 27
LOT 28
LOT 29
LOT 30
LOT 31
LOT 32
LOT 33
LOT 34
LOT 35
(P) SIDEWALK (TYP)
(P) 4" PVC SAN SWR SVC (TYP)
(P) 30.00' DR ESMT
TRACT I
(P) RET. WALL
LOT 6
LOT 5
LOT 4
LOT 3
LOT 2
LOT 1
(P) 3/4" TYPE K COPPER WTR SVC (TYP)
ROW (TYP)
(P) 3" PVC PASSIVE UD SVC (TYP)
(P) FH (TYP)
(P) POND
TRACT N
TRACT E
WETLANDS
DAYLIGHT (P) 6" PVC PASSIVE UD IN RIPRAP INV = 7261.00
(P) RIPRAP (TYP)
WOODMOOR WATER & SANITATION DISTRICT NO. 1
MATCHLINE (SEE THIS SHEET)
(P) POND
(P) SIDEWALK (TYP)
STA: 15+06.85, 15.78' LT (P) 1" SADDLE TAP & CORP. STOP
(P) 8" PVC WTR MAIN (TYP)
(P) STM (TYP)
(P) 1" TYPE K COPPER IRRIGATION SVC
(P) IRRIGATION METER PIT (1" METER) [REF: G-10]
(P) BACKFLOW PREVENTION ASSEMBLY [REF: G-10] (SEE LANDSCAPE/IRRIGATION PLAN FOR CONTINUATION)
(E) STM (TYP)
PROPERTY BOUNDARY (TYP)
(P) RET. WALL
15+00
16+00
14+00
L1
L2
COUNTY LINE RD.
I-25
IRR
N

LOCATION MAP

SCALE: N.T.S.

Provide details for outfall, size of riprap, dimensions of pad, where is underdrain in relation to riprap, etc

LINE TABLE – IRRIGATION SVC		
LINE	BEARING	DISTANCE
L1	N74° 30' 11"E	61.13
L2	N13° 58' 27"W	7.50



0 40 80

SCALE: 1" = 40'

LEGEND

EXISTING	(E)
PROPOSED	(P)
CURB AND GUTTER	C&G
EASEMENT	ESMT
PUBLIC	PUB
PRIVATE	PVT
UTILITY	UT
BOUNDARY	
RIGHT-OF-WAY	
LOT LINE	
EASEMENT	
(E) STORM SEWER, INLET, MH	
(P) 8" PVC SANITARY MAIN, MH	— S —●— S —
(P) 8" CL350 DIP SANITARY FORCE MAIN	— SFM — SFM —
(P) 4" PVC SAN SWR SVC	— S
(P) 3" PVC PASSIVE UNDERDRAIN	— U — U — U — U
(P) STORM SEWER, INLET, MH	
(P) 8" PVC WATER MAIN, VALVE, FH	— W —⋈— W —●
(P) 3/4" TYPE K COPPER WTR SVC	— W

NOTES:

1. FOR SPECIFICATION REFERENCES IN NOTES, SEE "**WOODMOOR WATER AND SANITATION DISTRICT NO. 1 STANDARD SPECIFICATIONS.**"
2. SEE '**2.10 TAPPING SADDLES**' FOR APPROVED TAPPING SADDLES.
3. THE LOCATION OF ALL EXISTING UTILITIES (HORIZONTAL & VERTICAL) SHALL BE FIELD VERIFIED PRIOR TO BEGINNING OF CONSTRUCTION.
4. EL PASO COUNTY DOES NOT OWN OR IS RESPONSIBLE FOR THE UNDERDRAINS OR GROUNDWATER DISCHARGE SYSTEMS SHOWN ON THESE PLANS AND ASSUMES NO LIABILITY FOR WATER RIGHTS ADMINISTRATION BY APPROVING THESE PLANS. MAINTENANCE AND WATER RIGHTS ARE THE OF THE DEVELOPER AND THE **MONUMENT RIDGE EAST HOME OWNER'S ASSOCIATION**.

WOODMOOR WATER AND SANITARY DISTRICT NO. 1

APPROVED FOR CONSTRUCTION

DATE ______ BY ______

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PREPARED FOR:

MONUMENT RIDGE EAST, LLC

5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

PREPARE

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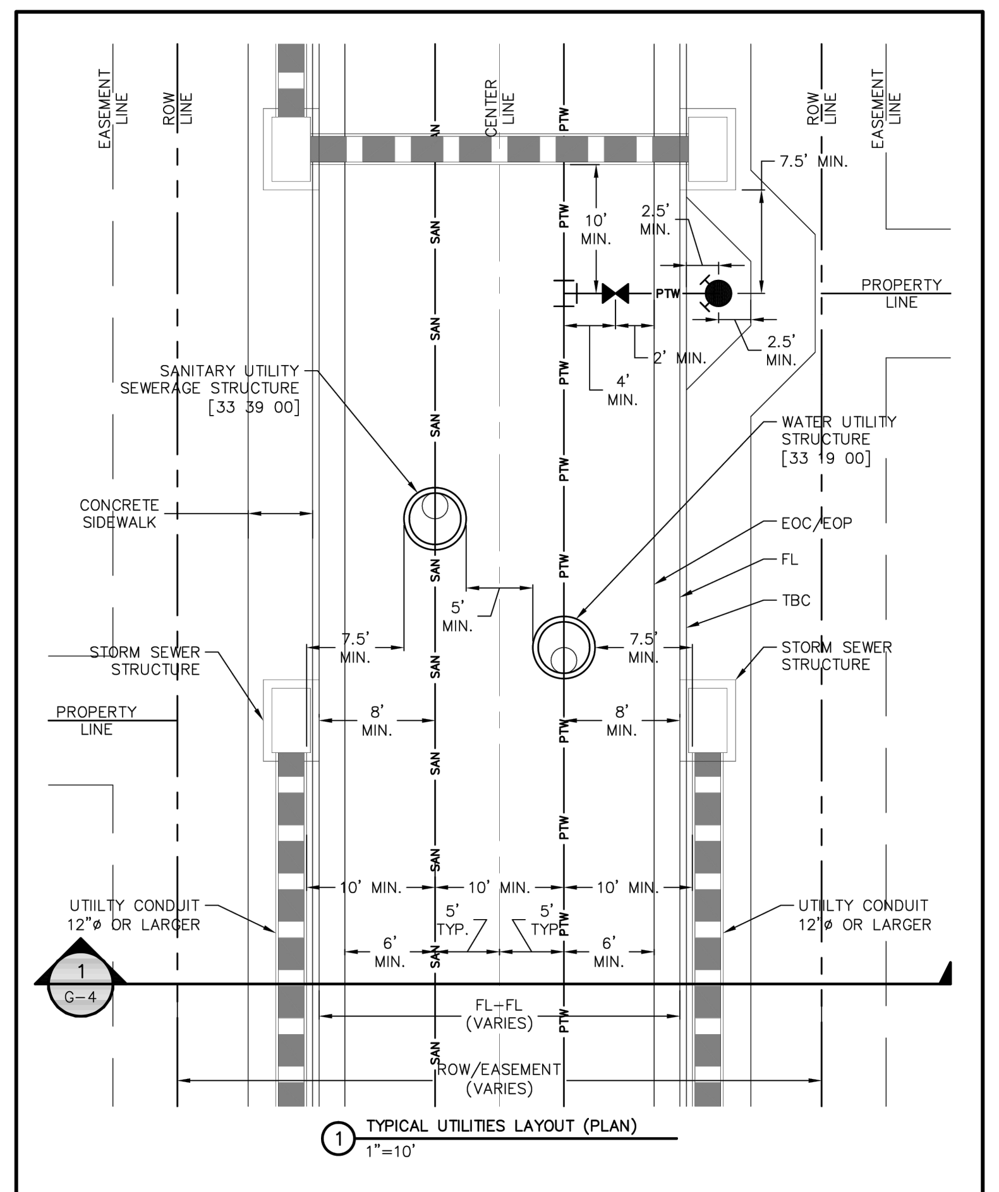
ENGINEERING
1685 W. UINTAH STREET, SUITE 114
COLORADO SPRINGS, CO 80904
(719) 291-2744

MONUMENT RIDGE EAST FILING NO. 1

UTILITY SERVICE PLAN

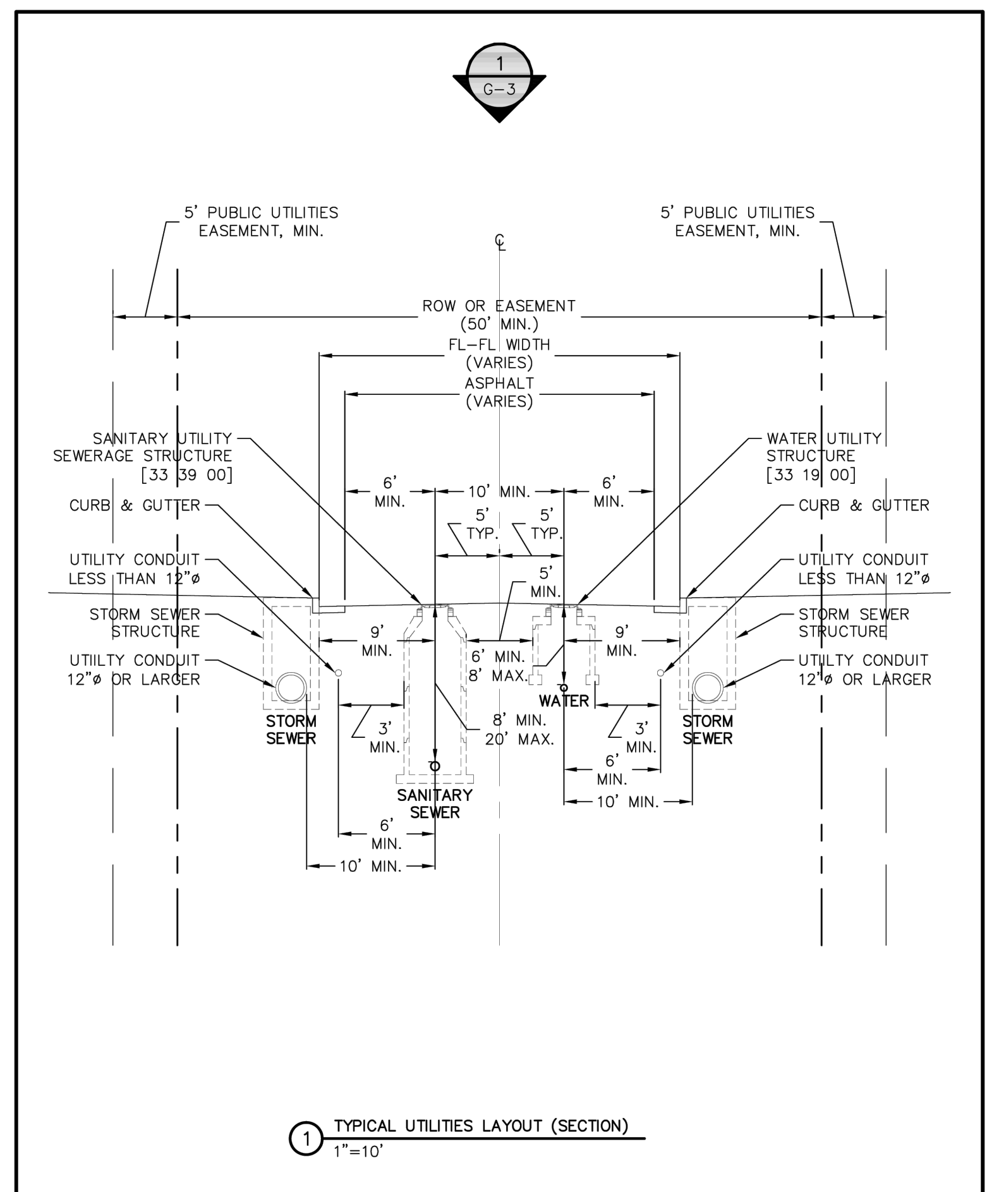
DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 40'	DATE: 04/28/25
JOB NUMBER	SHEET
24-001	10 OF 12



① TYPICAL UTILITIES LAYOUT (PLAN)
1"=10'

WOODMOOR WATER & SANITATION DISTRICT NO. 1

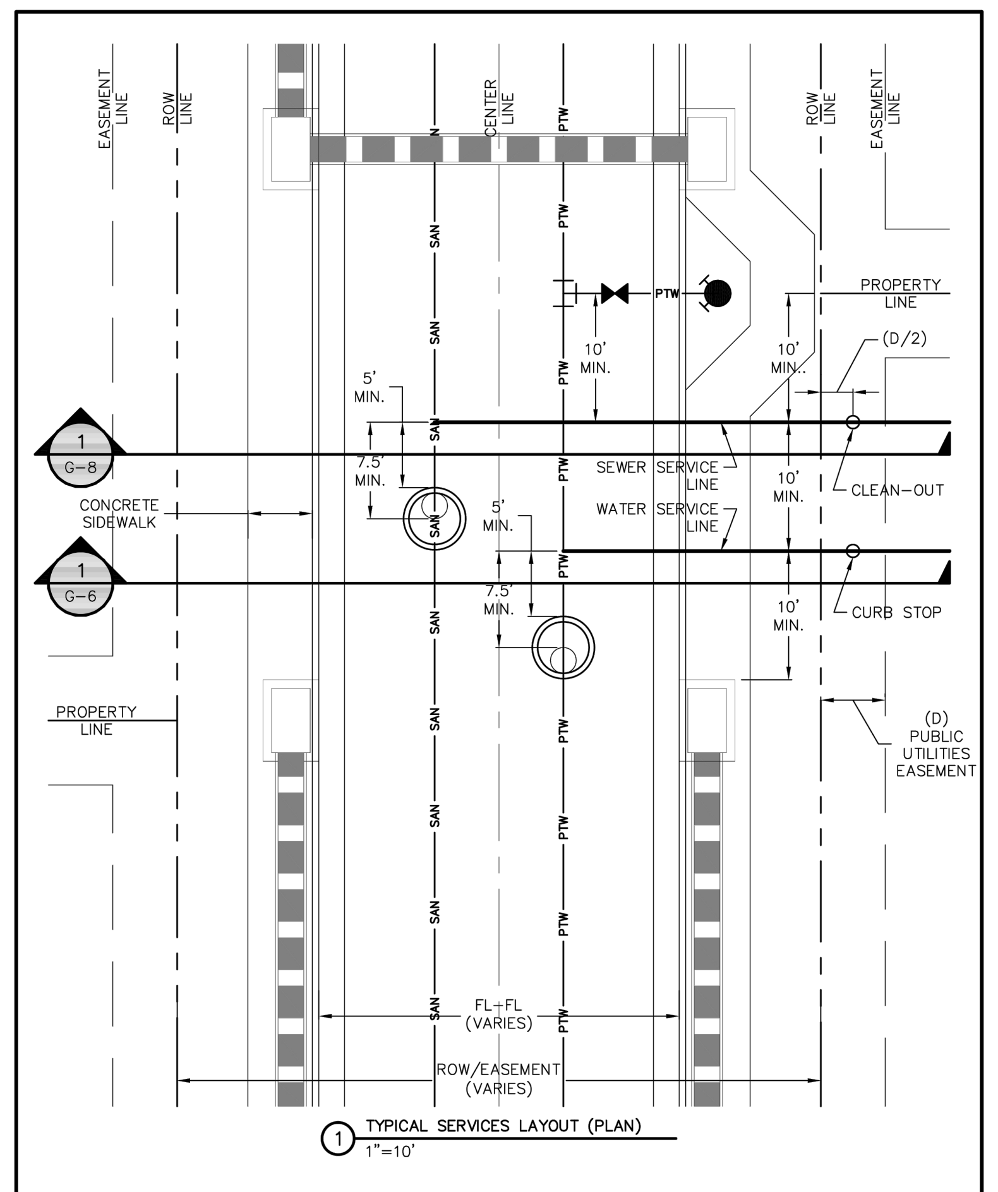
TYPICAL UTILITIES LAYOUT (PLAN)	G-3
GENERAL	–
THIS CONSTRUCTION DETAIL SHOWS GENERAL CONFORMANCE TO SYSTEM SPECIFICATIONS AND MAY NEED TO BE ADJUSTED FOR SPECIFIC APPLICATIONS.	MAY 13, 2014


G-3
5' PUBLIC UTILITIES EASEMENT, MIN.
5' PUBLIC UTILITIES EASEMENT, MIN.
ROW OR EASEMENT (50' MIN.)
FL–FL WIDTH (VARIES)
ASPHALT (VARIES)
SANITARY UTILITY SEWERAGE STRUCTURE [33 39 00]
WATER UTILITY STRUCTURE [33 19 00]
CURB & GUTTER
CURB & GUTTER
UTILITY CONDUIT LESS THAN 12"ø
UTILITY CONDUIT LESS THAN 12"ø
STORM SEWER STRUCTURE
STORM SEWER STRUCTURE
UTILITY CONDUIT 12"ø OR LARGER
UTILITY CONDUIT 12"ø OR LARGER
STORM SEWER
STORM SEWER
WATER
SANITARY SEWER
10' MIN.
6' MIN.
5' TYP.
9' MIN.
8' MAX.
20' MAX.
3' MIN.
10' MIN.

① TYPICAL UTILITIES LAYOUT (SECTION)
1"=10'

WOODMOOR WATER & SANITATION DISTRICT NO. 1

TYPICAL UTILITIES LAYOUT (SECTION)	G-4
GENERAL	–
THIS CONSTRUCTION DETAIL SHOWS GENERAL CONFORMANCE TO SYSTEM SPECIFICATIONS AND MAY NEED TO BE ADJUSTED FOR SPECIFIC APPLICATIONS.	MAY 13, 2014



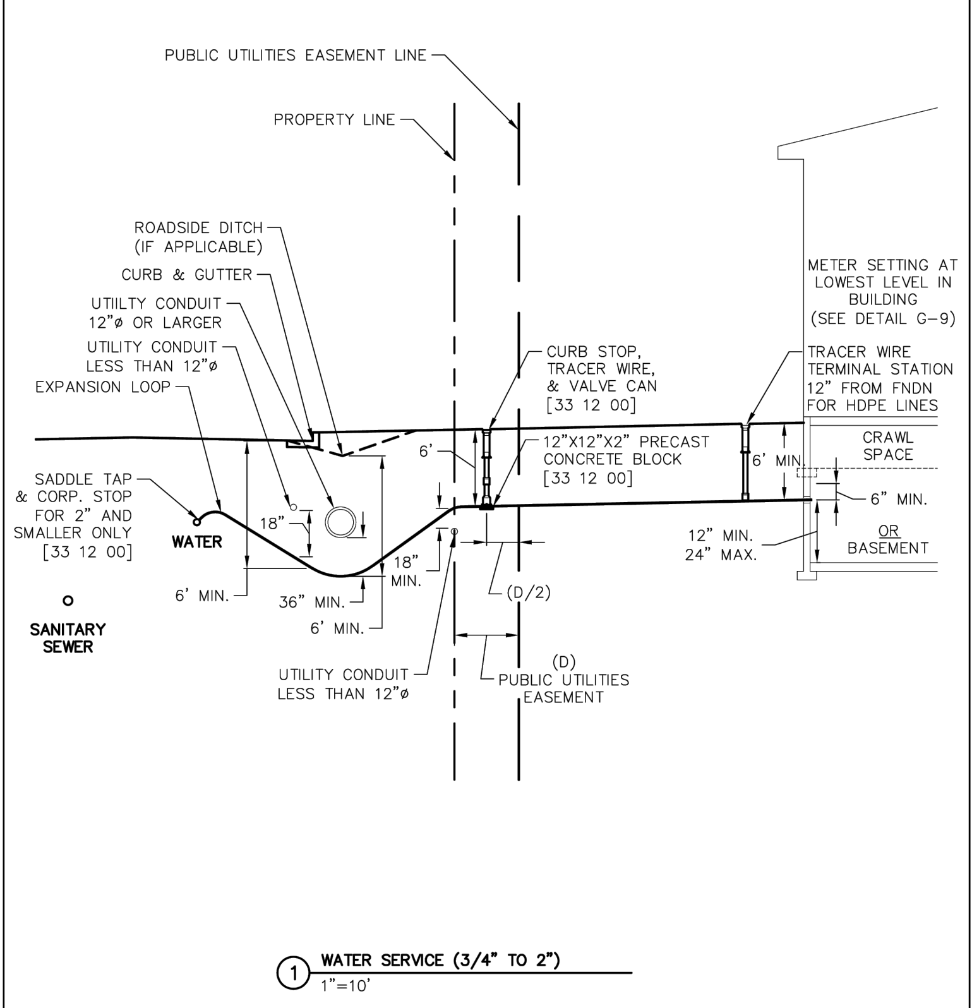
① TYPICAL SERVICES LAYOUT (PLAN)
1"=10'

WOODMOOR WATER & SANITATION DISTRICT NO. 1

TYPICAL SERVICES LAYOUT (PLAN)	G-5
GENERAL	–
THIS CONSTRUCTION DETAIL SHOWS GENERAL CONFORMANCE TO SYSTEM SPECIFICATIONS AND MAY NEED TO BE ADJUSTED FOR SPECIFIC APPLICATIONS.	MAY 13, 2014

REFER TO WATER & SEWER SERVICE LINE EQUIPMENT SPECIFICATIONS FOR SUPPLEMENTAL INFORMATION (APP C OF THE SYSTEM SPECIFICATIONS)

GENERAL NOTES:
- PROVIDE METAL T-POST AT CURB STOP WHEN CONSTRUCTION OF STUB-OUT TO LOT IS COMPLETE. T-POST MAY BE REMOVED AFTER CONNECTION TO SERVICE STUB.
- SERVICE LINE MAY BE TYPE K COPPER OR APPROVED HDPE TUBING (33 11 00). ALL HDPE SERVICE LINES REQUIRE STIFFENING INSERTS AT ALL CONNECTION POINTS OF FITTINGS.

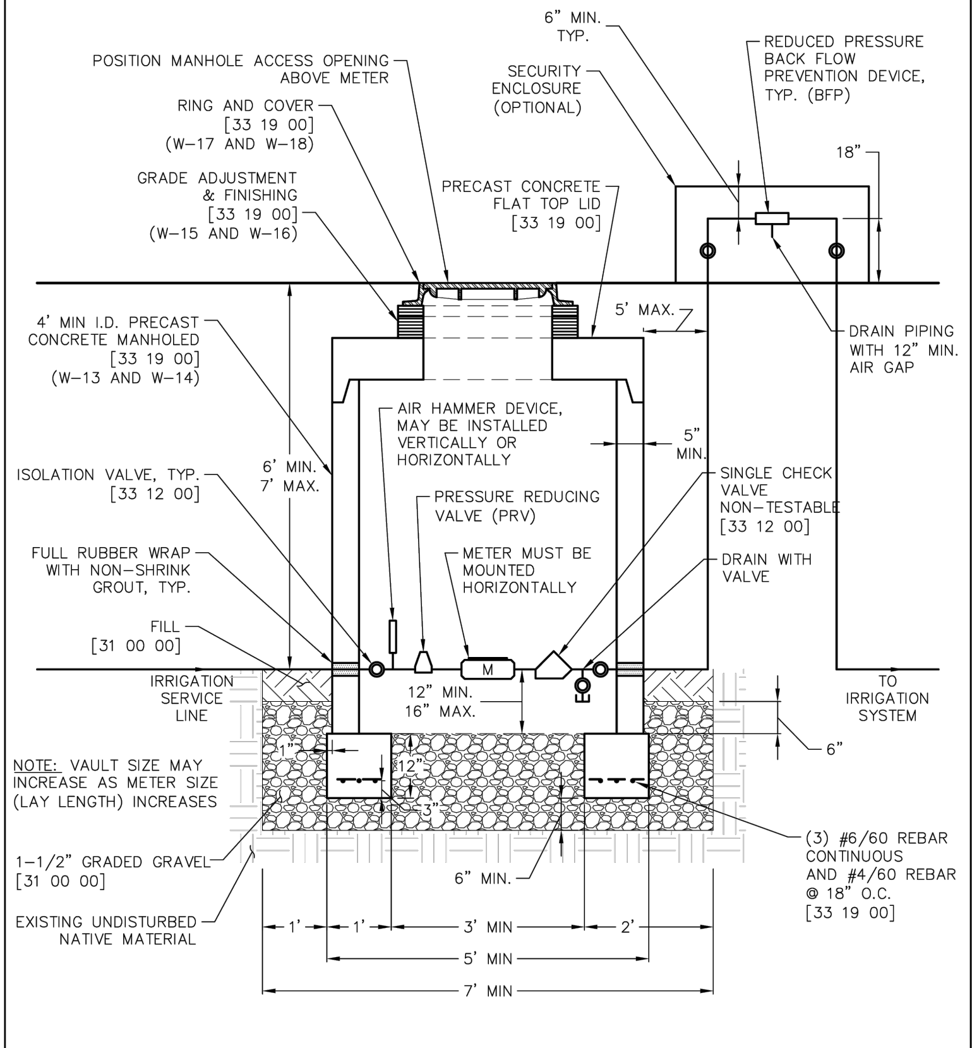

PUBLIC UTILITIES EASEMENT LINE
PROPERTY LINE
ROADSIDE DITCH (IF APPLICABLE)
CURB & GUTTER
UTILITY CONDUIT 12"ø OR LARGER
UTILITY CONDUIT LESS THAN 12"ø
EXPANSION LOOP
SADDLE TAP & CORP. STOP FOR 2" AND SMALLER ONLY [33 12 00]
WATER
SANITARY SEWER
CURB STOP, TRACER WIRE, & VALVE CAN
12"X12"X2" PRECAST CONCRETE BLOCK [33 12 00]
METER SETTING AT LOWEST LEVEL IN BUILDING (SEE DETAIL G-9)
TRACER WIRE TERMINAL STATION 12" FROM FNDN FOR HDPE LINES
CRAWL SPACE
OR BASEMENT
6" MIN.
12" MIN.
24" MAX.
18" MIN.
36" MIN.
(D/2)
(D) PUBLIC UTILITIES EASEMENT
UTILITY CONDUIT LESS THAN 12"ø

① WATER SERVICE (3/4" TO 2")
1"=10'

WOODMOOR WATER & SANITATION DISTRICT NO. 1

WATER SERVICE (3/4" TO 2")	G-6
GENERAL	–
THIS CONSTRUCTION DETAIL SHOWS GENERAL CONFORMANCE TO SYSTEM SPECIFICATIONS AND MAY NEED TO BE ADJUSTED FOR SPECIFIC APPLICATIONS.	JAN 1, 2023

REFER TO WATER & SEWER SERVICE LINE EQUIPMENT SPECIFICATIONS FOR SUPPLEMENTAL INFORMATION (APP C OF THE SYSTEM SPECIFICATIONS)

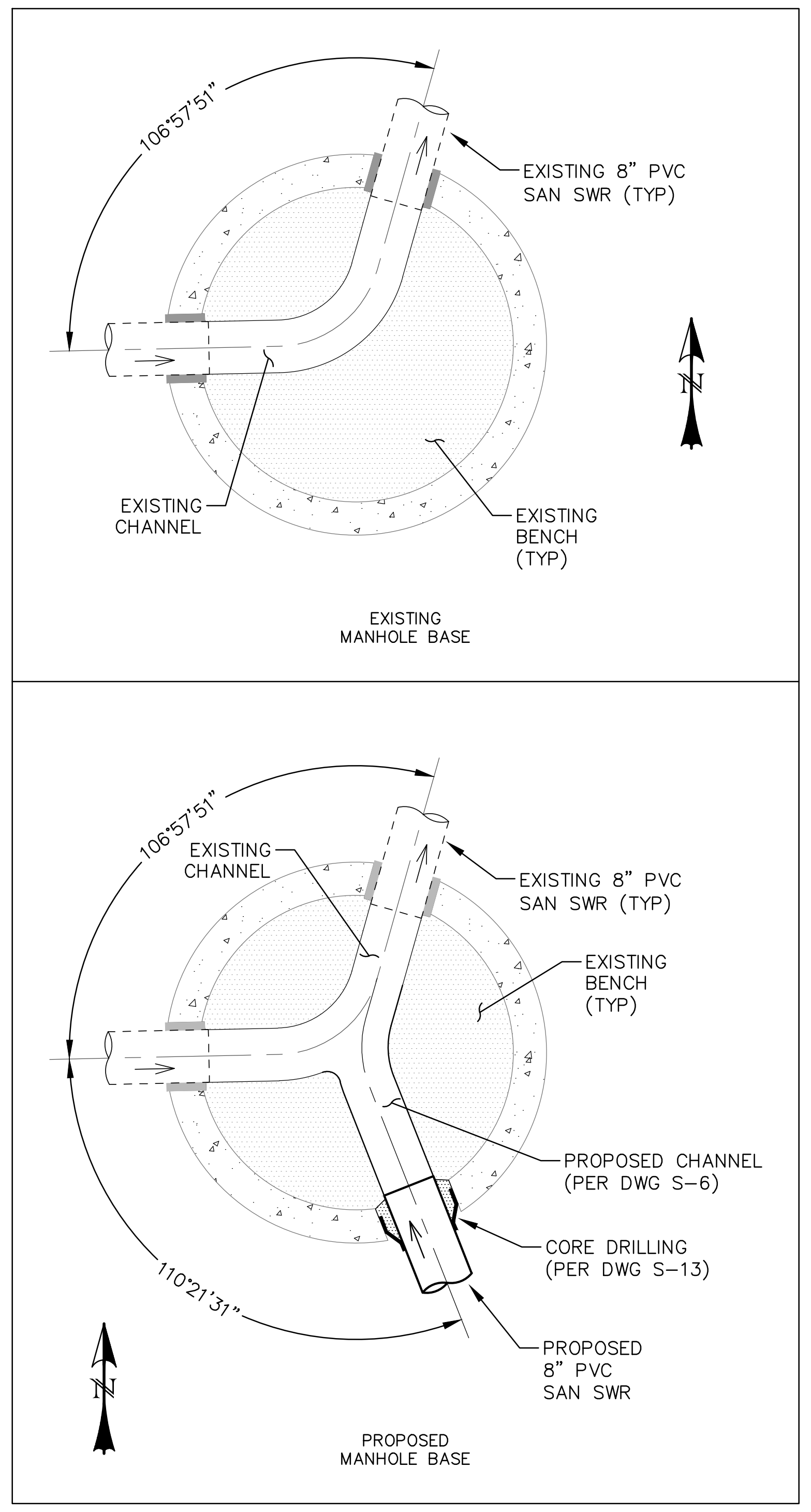

6" MIN. TYP.
POSITION MANHOLE ACCESS OPENING ABOVE METER
SECURITY ENCLOSURE (OPTIONAL)
REDUCED PRESSURE BACK FLOW PREVENTION DEVICE, TYP. (BFP)
RING AND COVER [33 19 00] (W-17 AND W-18)
18"
GRADE ADJUSTMENT & FINISHING [33 19 00] (W-15 AND W-16)
PRECAST CONCRETE FLAT TOP LID [33 19 00]
5' MAX.
DRAIN PIPING WITH 12" MIN. AIR GAP
4' MIN I.D. PRECAST CONCRETE MANHOLE [33 19 00] (W-13 AND W-14)
AIR HAMMER DEVICE, MAY BE INSTALLED VERTICALLY OR HORIZONTALLY
ISOLATION VALVE, TYP. [33 12 00]
6' MIN. 7' MAX.
PRESSURE REDUCING VALVE (PRV)
SINGLE CHECK VALVE NON-TESTABLE [33 12 00]
METER MUST BE MOUNTED HORIZONTALLY
DRAIN WITH VALVE
FULL RUBBER WRAP WITH NON-SHRINK GROUT, TYP.
FILL [31 00 00]
IRRIGATION SERVICE LINE
12" MIN. 16" MAX.
1/2" IRRIGATION SYSTEM
1"
12"
3"
6"
(3) #6/60 REBAR CONTINUOUS AND #4/60 REBAR @ 18" O.C. [33 19 00]
1-1/2" GRADED GRAVEL [31 00 00]
EXISTING UNDISTURBED NATIVE MATERIAL
6" MIN.
1'
1'
3' MIN.
2'
5' MIN.
7' MIN.

NOTE: VAULT SIZE MAY INCREASE AS METER SIZE (LAY LENGTH) INCREASES

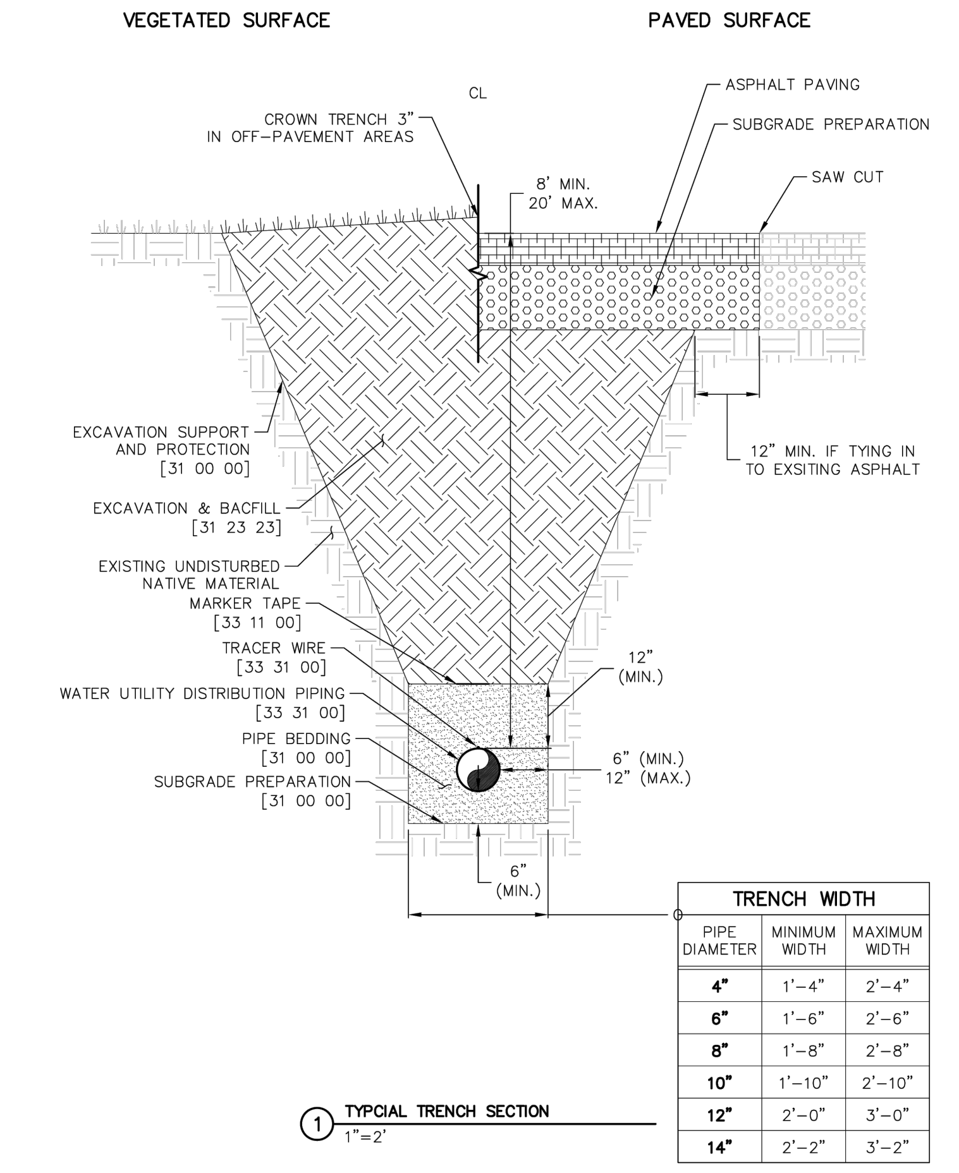
① METER PIT VAULT (SECTION)
1"=2'

WOODMOOR WATER & SANITATION DISTRICT NO. 1

IRRIGATION ONLY METER PIT	G-10
(POTABLE WATER SYSTEM)	–
THIS CONSTRUCTION DETAIL SHOWS GENERAL CONFORMANCE TO SYSTEM SPECIFICATIONS AND MAY NEED TO BE ADJUSTED FOR SPECIFIC APPLICATIONS.	SEPTEMBER 1, 2022



EXISTING MANHOLE 01 - PROPOSED MODIFICATION
SCALE: 1" = **2'**


VEGETATED SURFACE
PAVED SURFACE
CL
CROWN TRENCH 3" IN OFF-PAVEMENT AREAS
ASPHALT PAVING
SUBGRADE PREPARATION
6" MIN. 20" MAX.
SAW CUT
12" MIN. IF TYING IN TO EXISTING ASPHALT
EXCAVATION SUPPORT AND PROTECTION [31 00 00]
EXCAVATION & BACKFILL [31 23 23]
EXISTING UNDISTURBED NATIVE MATERIAL
MARKER TAPE [33 11 00]
TRACER WIRE [33 31 00]
WATER UTILITY DISTRIBUTION PIPING [33 31 00]
PIPE BEDDING [31 00 00]
SUBGRADE PREPARATION [31 00 00]
12" (MIN.)
6" (MIN.)
12" (MAX.)
6" (MIN.)

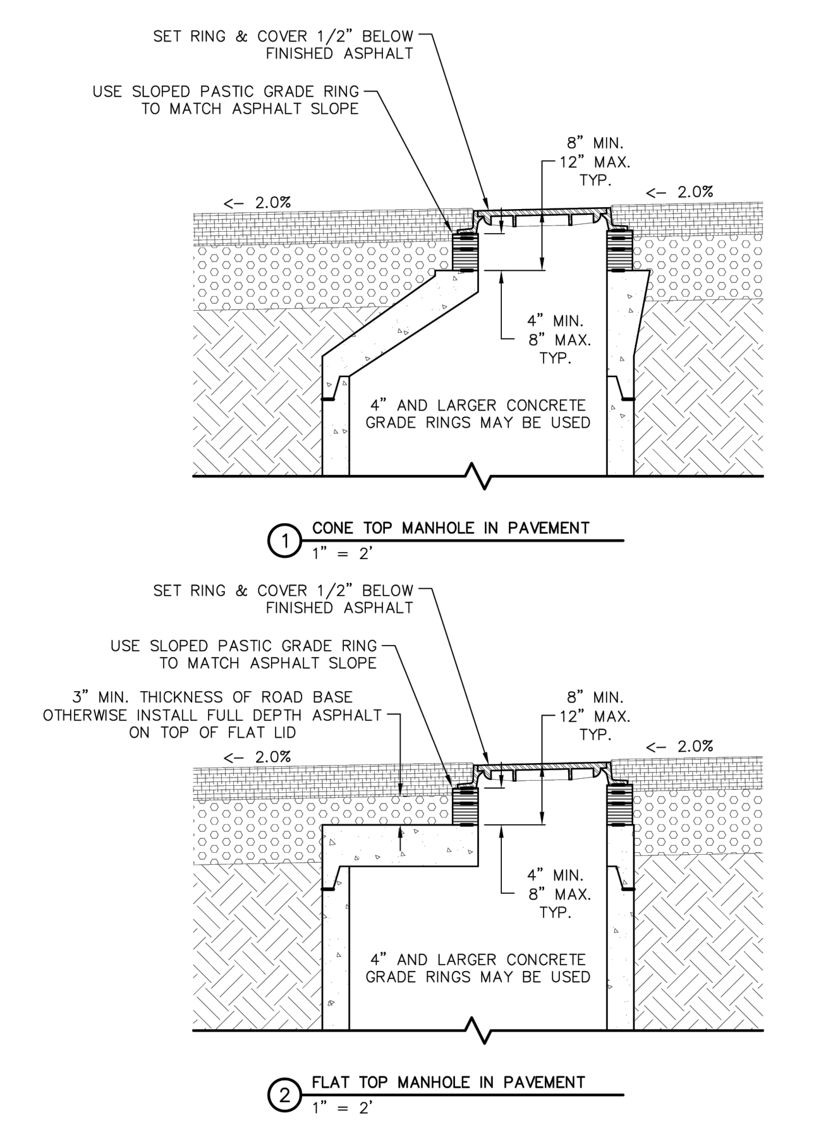
TRENCH WIDTH		
PIPE DIAMETER	MINIMUM WIDTH	MAXIMUM WIDTH
4"	1'–4"	2'–4"
6"	1'–6"	2'–6"
8"	1'–8"	2'–8"
10"	1'–10"	2'–10"
12"	2'–0"	3'–0"
14"	2'–2"	3'–2"

① TYPICAL TRENCH SECTION
1"=2'

WOODMOOR WATER & SANITATION DISTRICT NO. 1

TYPICAL SEWER TRENCH SECTION	S-1
SANITARY UTILITY SEWERAGE PIPING	33 31 00
THIS CONSTRUCTION DETAIL SHOWS GENERAL CONFORMANCE TO SYSTEM SPECIFICATIONS AND MAY NEED TO BE ADJUSTED FOR SPECIFIC APPLICATIONS.	JAN 1, 2023

SEE DRAWING S-10 FOR FINISHING IN NON-PAVED SURFACES


SET RING & COVER 1/2" BELOW FINISHED ASPHALT
USE SLOPED PASTIC GRADE RING TO MATCH ASPHALT SLOPE
8" MIN. 12" MAX. TYP.
← 2.0%
← 2.0%
4" MIN. 8" MAX. TYP.
4" AND LARGER CONCRETE GRADE RINGS MAY BE USED
SET RING & COVER 1/2" BELOW FINISHED ASPHALT
USE SLOPED PASTIC GRADE RING TO MATCH ASPHALT SLOPE
3" MIN. THICKNESS OF ROAD BASE OTHERWISE INSTALL FULL DEPTH ASPHALT ON TOP OF FLAT LID
8" MIN. 12" MAX. TYP.
4" MIN. 8" MAX. TYP.
4" AND LARGER CONCRETE GRADE RINGS MAY BE USED

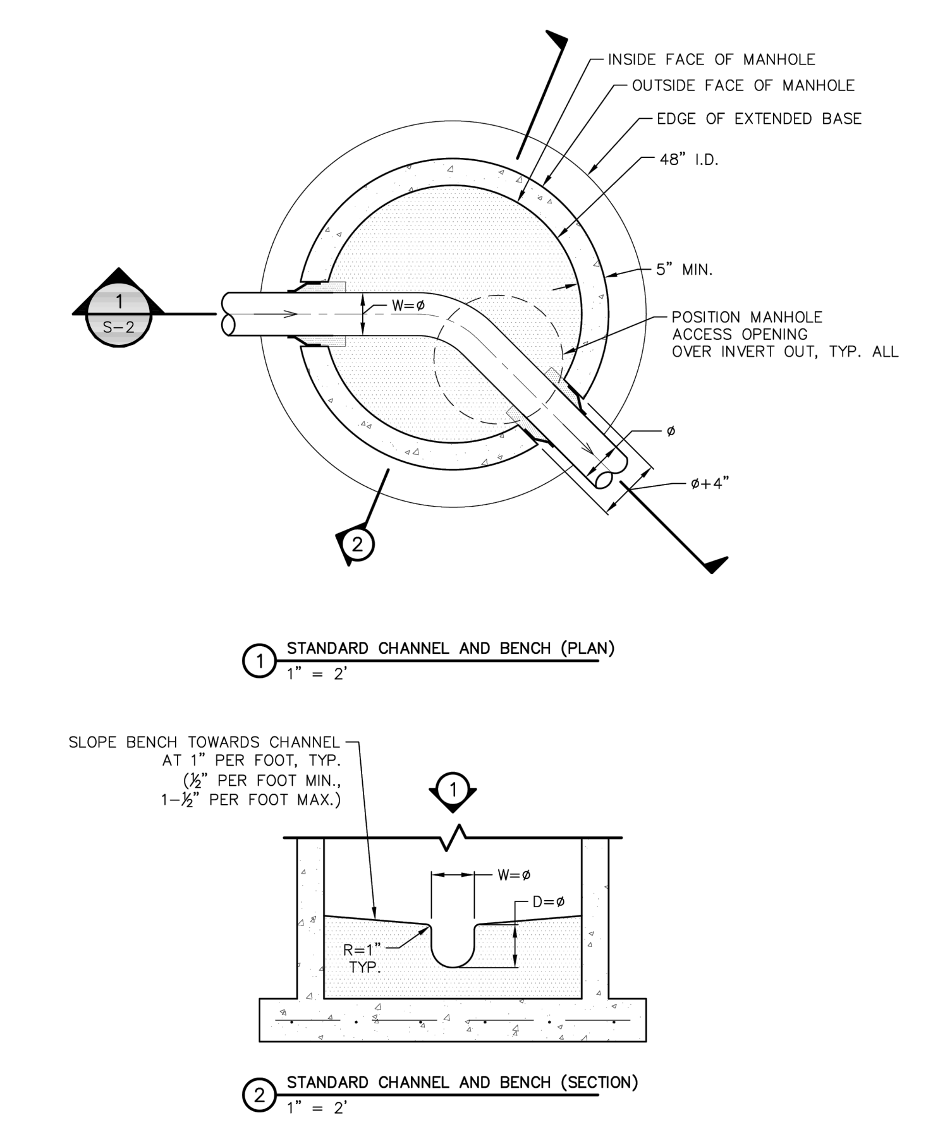
① CONE TOP MANHOLE IN PAVEMENT
1" = 2'

② FLAT TOP MANHOLE IN PAVEMENT
1" = 2'

WOODMOOR WATER & SANITATION DISTRICT NO. 1

MANHOLES IN PAVED AREAS	S-9
SANITARY UTILITY SEWERAGE STRUCTURES	33 39 00
THIS CONSTRUCTION DETAIL SHOWS GENERAL CONFORMANCE TO SYSTEM SPECIFICATIONS AND MAY NEED TO BE ADJUSTED FOR SPECIFIC APPLICATIONS.	MAY 13, 2014

SEE DRAWING S-7 FOR HIGH-VELOCITY CHANNEL AND BENCH


INSIDE FACE OF MANHOLE
OUTSIDE FACE OF MANHOLE
EDGE OF EXTENDED BASE
48" I.D.
5" MIN.
POSITION MANHOLE ACCESS OPENING OVER INVERT OUT, TYP. ALL
W=ø
ø+4"
2
SLOPE BENCH TOWARDS CHANNEL AT 1" PER FOOT, TYP. (1/2" PER FOOT MIN., 1-1/2" PER FOOT MAX.)
R=1" TYP.
W=ø
D=ø
1

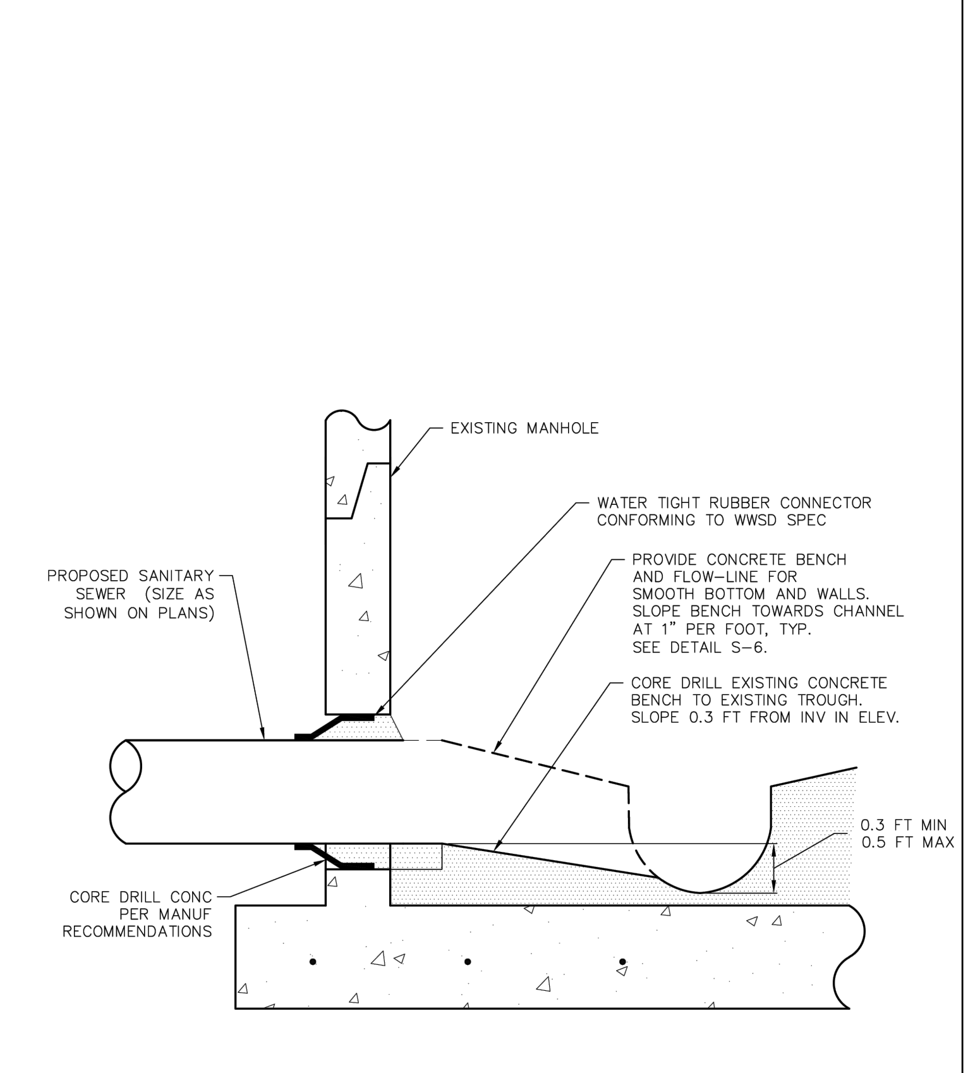
① STANDARD CHANNEL AND BENCH (PLAN)
1" = 2'

② STANDARD CHANNEL AND BENCH (SECTION)
1" = 2'

WOODMOOR WATER & SANITATION DISTRICT NO. 1

SEWER MANHOLE STANDARD BASE	S-6
SANITARY UTILITY SEWERAGE STRUCTURES	33 39 00
THIS CONSTRUCTION DETAIL SHOWS GENERAL CONFORMANCE TO SYSTEM SPECIFICATIONS AND MAY NEED TO BE ADJUSTED FOR SPECIFIC APPLICATIONS.	MAY 13, 2014

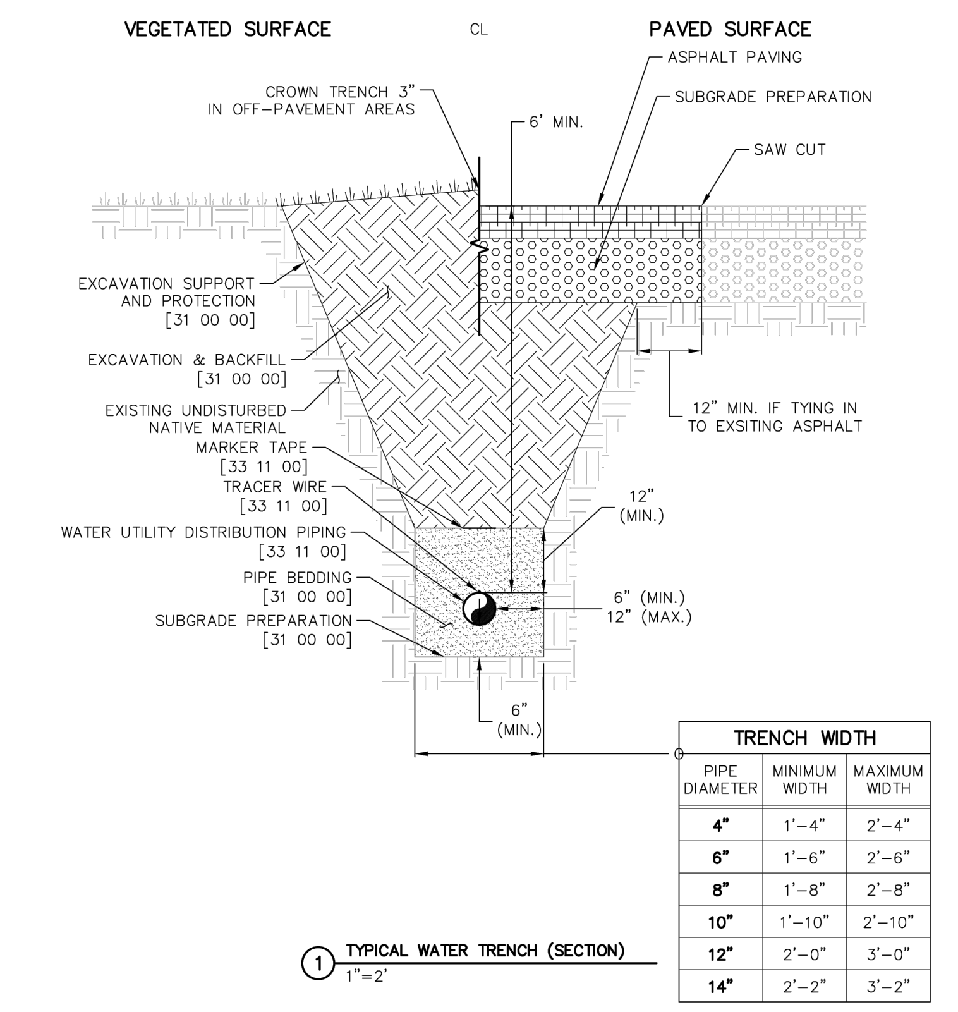
SEE DRAWINGS S-2 AND S-3 FOR TYPICAL MANHOLE REQUIREMENTS


EXISTING MANHOLE
PROPOSED SANITARY SEWER (SIZE AS SHOWN ON PLANS)
WATER TIGHT RUBBER CONNECTOR CONFORMING TO WWSD SPEC
PROVIDE CONCRETE BENCH AND FLOW-LINE FOR SMOOTH BOTTOM AND WALLS. SLOPE BENCH TOWARDS CHANNEL AT 1" PER FOOT, TYP. SEE DETAIL S-6.
CORE DRILL EXISTING CONCRETE BENCH TO EXISTING TROUGH. SLOPE 0.3 FT FROM INV IN ELEV.
0.3 FT MIN
0.5 FT MAX
CORE DRILL CONC PER MANUF RECOMMENDATIONS

NOTE: FILL ANNULAR SPACE WITH EPOXY GROUT PER WWSD SPEC.

WOODMOOR WATER & SANITATION DISTRICT NO. 1

CORE DRILLING INTO EXISTING MANHOLE	S-13
SANITARY UTILITY SEWERAGE STRUCTURES	33 39 00
THIS CONSTRUCTION DETAIL SHOWS GENERAL CONFORMANCE TO SYSTEM SPECIFICATIONS AND MAY NEED TO BE ADJUSTED FOR SPECIFIC APPLICATIONS.	AUGUST 1, 2022

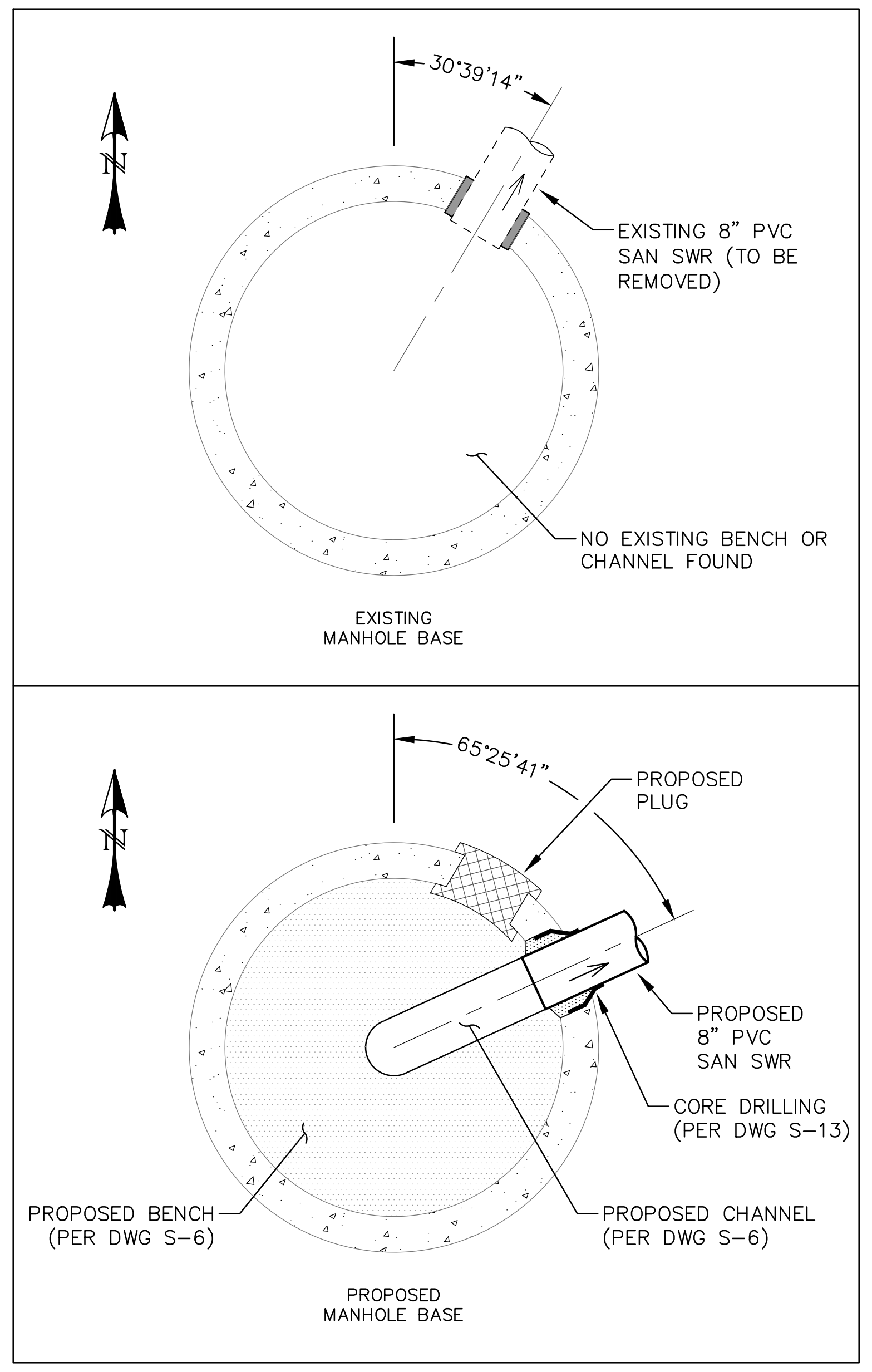

VEGETATED SURFACE
CL
PAVED SURFACE
CROWN TRENCH 3" IN OFF-PAVEMENT AREAS
ASPHALT PAVING
SUBGRADE PREPARATION
6" MIN.
SAW CUT
EXCAVATION SUPPORT AND PROTECTION [31 00 00]
EXCAVATION & BACKFILL [31 00 00]
EXISTING UNDISTURBED NATIVE MATERIAL
MARKER TAPE [33 11 00]
TRACER WIRE [33 11 00]
WATER UTILITY DISTRIBUTION PIPING [33 11 00]
PIPE BEDDING [31 00 00]
SUBGRADE PREPARATION [31 00 00]
12" MIN. IF TYING IN TO EXISTING ASPHALT
12" (MIN.)
6" (MIN.)
12" (MAX.)
6" (MIN.)

TRENCH WIDTH		
PIPE DIAMETER	MINIMUM WIDTH	MAXIMUM WIDTH
4"	1'–4"	2'–4"
6"	1'–6"	2'–6"
8"	1'–8"	2'–8"
10"	1'–10"	2'–10"
12"	2'–0"	3'–0"
14"	2'–2"	3'–2"

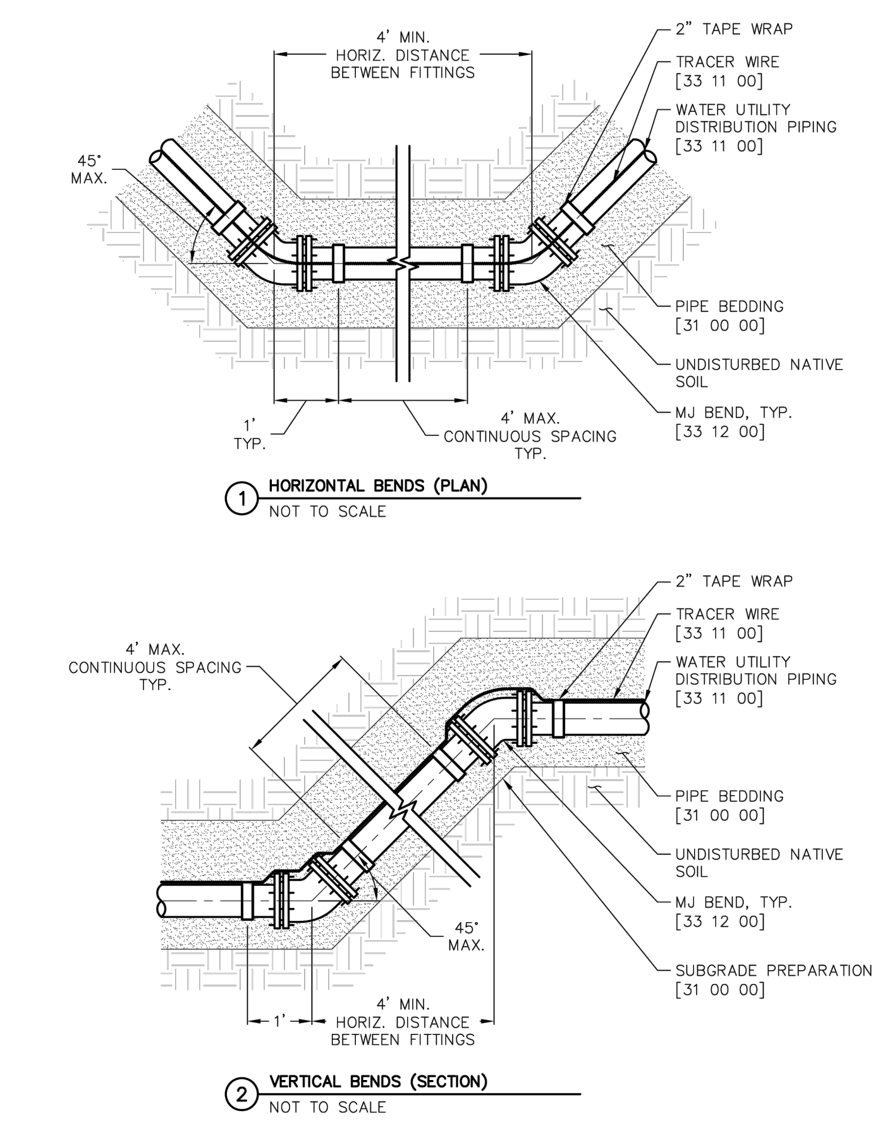
① TYPICAL WATER TRENCH (SECTION)
1"=2'

WOODMOOR WATER & SANITATION DISTRICT NO. 1

TYPICAL WATER TRENCH	W-1
WATER UTILITY DISTRIBUTION PIPING	33 11 00
THIS CONSTRUCTION DETAIL SHOWS GENERAL CONFORMANCE TO SYSTEM SPECIFICATIONS AND MAY NEED TO BE ADJUSTED FOR SPECIFIC APPLICATIONS.	SEPT 26, 2022


30°39'14"
N
EXISTING 8" PVC SAN SWR (TO BE REMOVED)
NO EXISTING BENCH OR CHANNEL FOUND
EXISTING MANHOLE BASE
65°25'41"
N
PROPOSED PLUG
PROPOSED 8" PVC SAN SWR
CORE DRILLING (PER DWG S-13)
PROPOSED BENCH (PER DWG S-6)
PROPOSED CHANNEL (PER DWG S-6)
PROPOSED MANHOLE BASE

EXISTING MANHOLE 02 - PROPOSED MODIFICATION
SCALE: 1" = **2'**

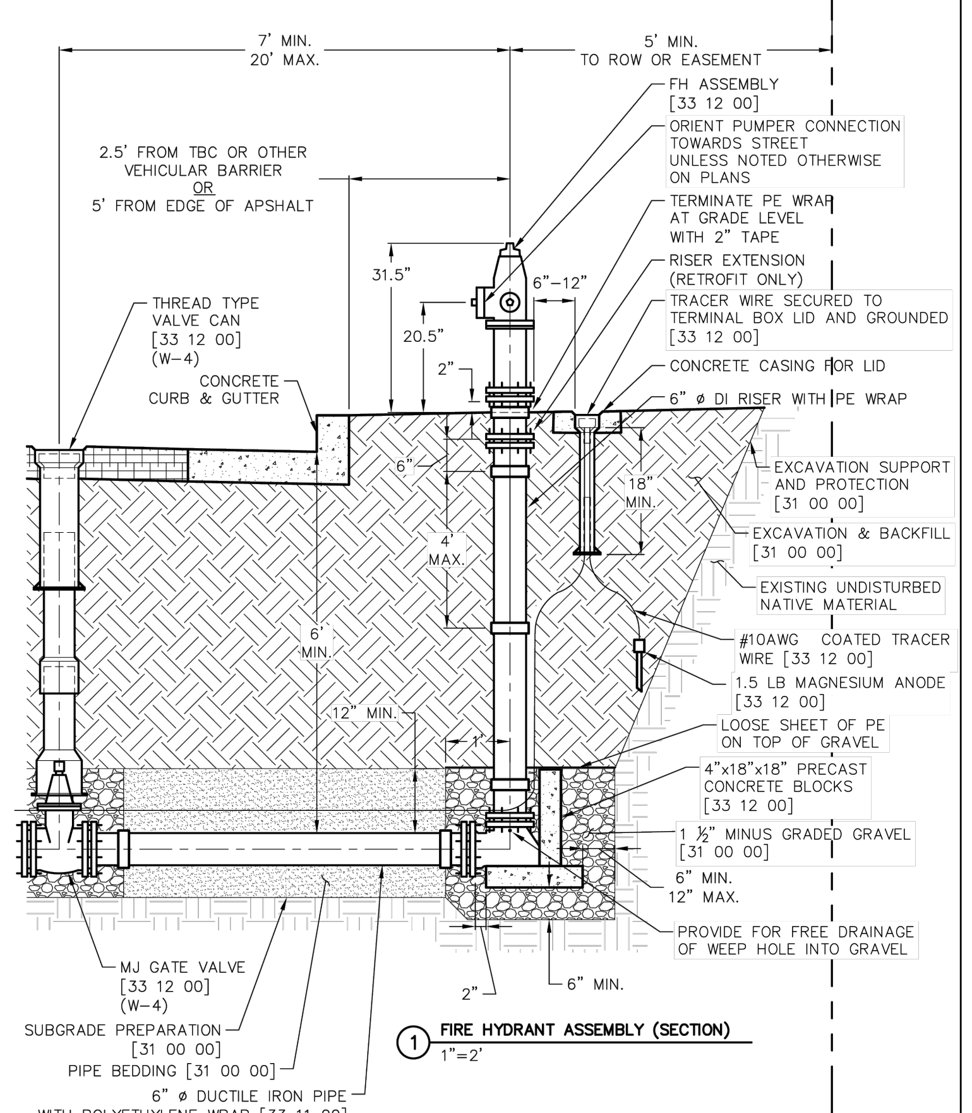

4' MIN. HORIZ. DISTANCE BETWEEN FITTINGS
2" TAPE WRAP
TRACER WIRE [33 11 00]
WATER UTILITY DISTRIBUTION PIPING [33 11 00]
45° MAX.
PIPE BEDDING [31 00 00]
UNDISTURBED NATIVE SOIL
MJ BEND, TYP. [33 12 00]
1' TYP.
4' MAX. CONTINUOUS SPACING TYP.
4' MAX. CONTINUOUS SPACING TYP.
2" TAPE WRAP
TRACER WIRE [33 11 00]
WATER UTILITY DISTRIBUTION PIPING [33 11 00]
PIPE BEDDING [31 00 00]
UNDISTURBED NATIVE SOIL
MJ BEND, TYP. [33 12 00]
45° MAX.
SUBGRADE PREPARATION [31 00 00]
4' MIN. HORIZ. DISTANCE BETWEEN FITTINGS

① HORIZONTAL BENDS (PLAN)
NOT TO SCALE

② VERTICAL BENDS (SECTION)
NOT TO SCALE

WOODMOOR WATER & SANITATION DISTRICT NO. 1

HORIZONTAL AND VERTICAL BENDS	W-7
WATER UTILITY DISTRIBUTION EQUIPMENT	33 12 00
THIS CONSTRUCTION DETAIL SHOWS GENERAL CONFORMANCE TO SYSTEM SPECIFICATIONS AND MAY NEED TO BE ADJUSTED FOR SPECIFIC APPLICATIONS.	MAY 13, 2014


7' MIN. 20' MAX.
5' MIN. TO ROW OR EASEMENT
FH ASSEMBLY [33 12 00]
ORIENT PUMPER CONNECTION TOWARDS STREET UNLESS NOTED OTHERWISE ON PLANS
6" TAPE WRAP AT GRADE LEVEL WITH 2" TAPE
RISER EXTENSION (RETROFIT ONLY)
TRACER WIRE SECURED TO TERMINAL BOX LID AND GROUNDED [33 12 00]
CONCRETE CASING FOR LID
6" ø DI RISER WITH PE WRAP
2.5' FROM TBC OR OTHER VEHICULAR BARRIER OR 5' FROM EDGE OF ASPHALT
THREAD TYPE VALVE CAN [33 12 00] (W-4)
CONCRETE CURB & GUTTER
31.5"
20.5"
4"–12"
EXCAVATION SUPPORT AND PROTECTION [31 00 00]
EXCAVATION & BACKFILL [31 00 00]
EXISTING UNDISTURBED NATIVE MATERIAL
#10AWG COATED TRACER WIRE [33 12 00]
1.5 LB MAGNESIUM ANODE [33 12 00]
LOOSE SHEET OF PE ON TOP OF GRAVEL
4"x18"x18" PRECAST CONCRETE BLOCKS [33 12 00]
1-1/2" MINUS GRADED GRAVEL [31 00 00]
6" MIN.
12" MIN.
PROVIDE FOR FREE DRAINAGE OF WEEP HOLE INTO GRAVEL
6" MIN.
MJ GATE VALVE [33 12 00] (W-4)
SUBGRADE PREPARATION [31 00 00]
PIPE BEDDING [31 00 00]
6" ø DUCTILE IRON PIPE WITH POLYETHYLENE WRAP [33 11 00]

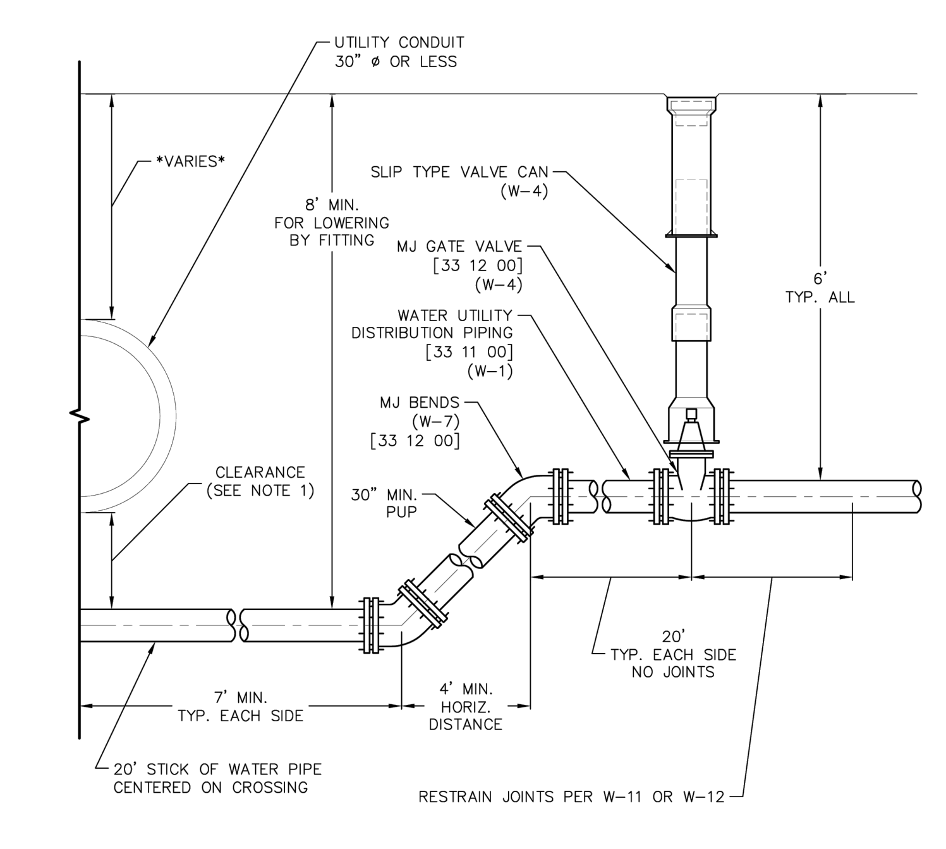
① FIRE HYDRANT ASSEMBLY (SECTION)
1"=2'

WOODMOOR WATER & SANITATION DISTRICT NO. 1

FIRE HYDRANT ASSEMBLY	W-8
WATER UTILITY DISTRIBUTION EQUIPMENT	33 12 00
THIS CONSTRUCTION DETAIL SHOWS GENERAL CONFORMANCE TO SYSTEM SPECIFICATIONS AND MAY NEED TO BE ADJUSTED FOR SPECIFIC APPLICATIONS.	APRIL 10, 2020

GENERAL NOTES:
- EARTHWORK, TRACER WIRE, AND PIPE WRAP OMMITTED FOR CLARITY.

DETAIL NOTES:
1. 18" MIN. IF CROSSING UNDER CONDUIT LESS THAN 12"ø. 36" MIN. IF CROSSING UNDER CONDUIT 12" TO 30" DIAMETER.

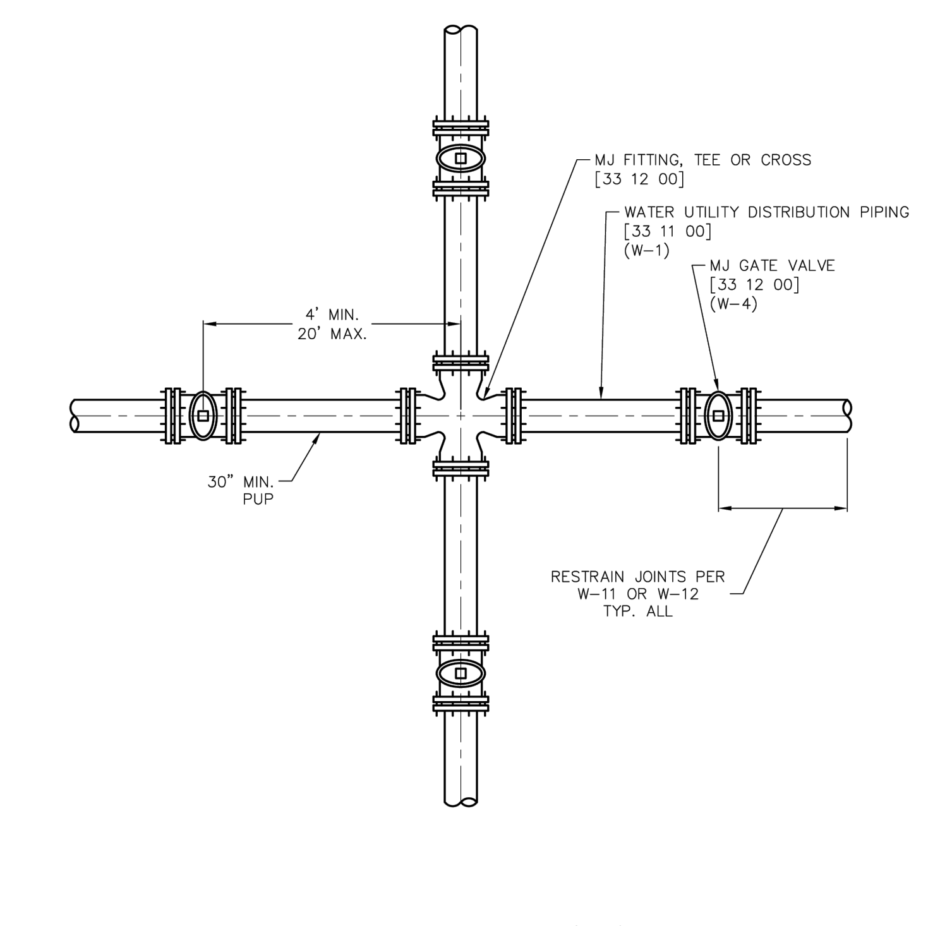

UTILITY CONDUIT 30" ø OR LESS
VARIES
SLIP TYPE VALVE CAN (W-4)
8' MIN. FOR LOWERING BY FITTING
MJ GATE VALVE [33 12 00] (W-4)
6' TYP. ALL
WATER UTILITY DISTRIBUTION PIPING [33 11 00] (W-1)
MJ BENDS [33 12 00] (W-7)
30" MIN. PUP
CLEARANCE (SEE NOTE 1)
3' MIN. TYP. EACH SIDE
4' MIN. HORIZ. DISTANCE
20' TYP. EACH SIDE NO JOINTS
20' STICK OF WATER PIPE CENTERED ON CROSSING
RESTRAIN JOINTS PER W-11 OR W-12

① WATER LOWERING BY FITTING (SECTION)
1"=2'

WOODMOOR WATER & SANITATION DISTRICT NO. 1

WATER LOWERING BY FITTING	W-9
WATER UTILITY DISTRIBUTION EQUIPMENT	33 12 00
THIS CONSTRUCTION DETAIL SHOWS GENERAL CONFORMANCE TO SYSTEM SPECIFICATIONS AND MAY NEED TO BE ADJUSTED FOR SPECIFIC APPLICATIONS.	MAY 13, 2014

GENERAL NOTES:
- EARTHWORK, TRACER WIRE, AND PIPE WRAP OMMITTED FOR CLARITY.
- THIS DRAWING APPLICABLE FOR TEE AND CROSS FITTINGS.


MJ FITTING, TEE OR CROSS [33 12 00]
WATER UTILITY DISTRIBUTION PIPING [33 11 00] (W-1)
MJ GATE VALVE [33 12 00] (W-4)
4' MIN. 20' MAX.
30" MIN. PUP
RESTRAIN JOINTS PER W-11 OR W-12 TYP. ALL

① TYPICAL JUNCTION ASSEMBLY (PLAN)
1"=2'

WOODMOOR WATER & SANITATION DISTRICT NO. 1

WATER MAIN JUNCTION	W-10
WATER UTILITY DISTRIBUTION EQUIPMENT	33 12 00
THIS CONSTRUCTION DETAIL SHOWS GENERAL CONFORMANCE TO SYSTEM SPECIFICATIONS AND MAY NEED TO BE ADJUSTED FOR SPECIFIC APPLICATIONS.	MAY 13, 2014

WOODMOOR WATER AND SANITARY DISTRICT NO. 1

APPROVED FOR CONSTRUCTION

DATE ________ BY ________________

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REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	01/06/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	09/22/26

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MONUMENT RIDGE EAST, LLC

5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

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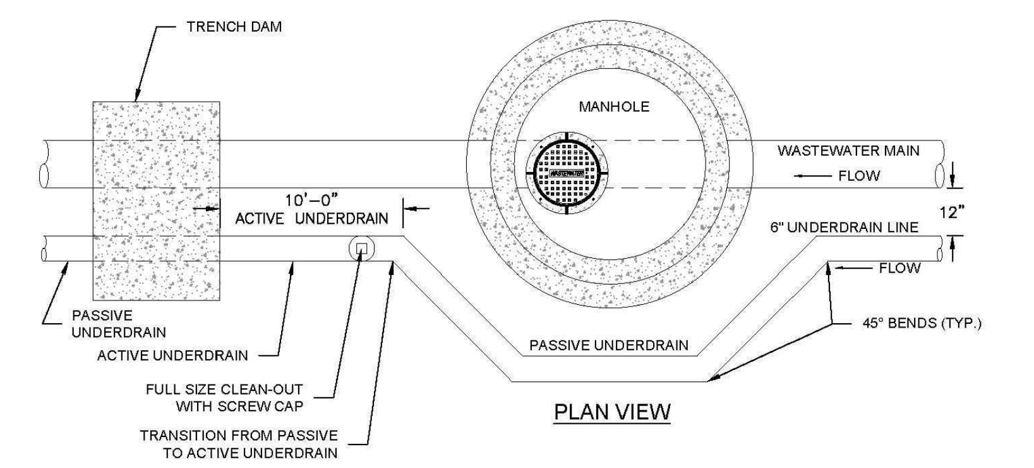
NOT FOR CONSTRUCTION

PRC ENGINEERING
1685 W. UINTAH STREET, SUITE 114
COLORADO SPRINGS, CO 80904
(719) 291-2744

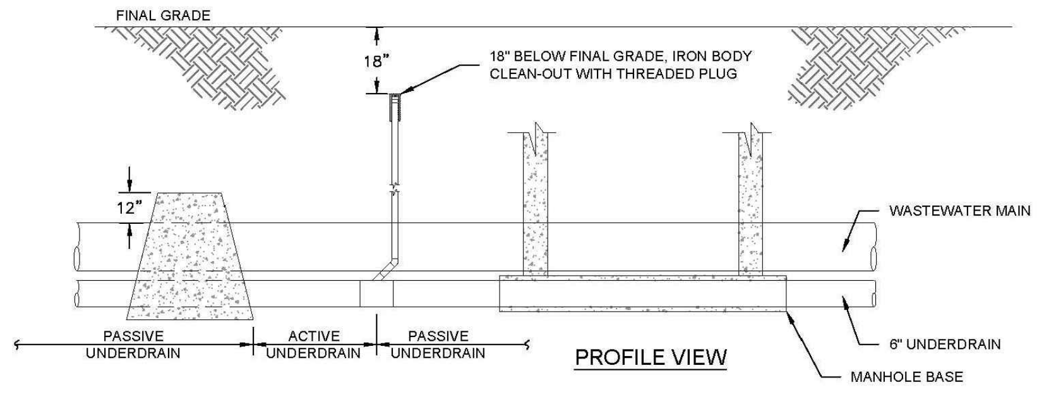
MONUMENT RIDGE EAST
FILING NO. 1

DETAIL SHEET

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: N/A	DATE: 04/28/25
JOB NUMBER	SHEET
24–001	11 OF 12



PLAN VIEW



PROFILE VIEW

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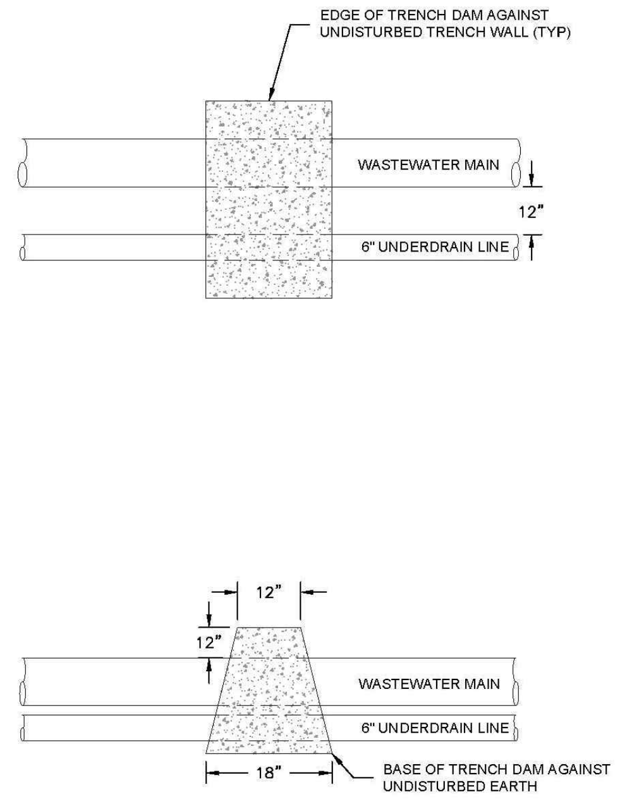
PASSIVE GROUNDWATER
UNDERDRAIN SCHEMATIC

C6–1

DATED 5/2015


EDGE OF TRENCH DAM AGAINST UNDISTURBED TRENCH WALL (TYP)
WASTEWATER MAIN
12"
6" UNDERDRAIN LINE
12"
12"
WASTEWATER MAIN
6" UNDERDRAIN LINE
18"
BASE OF TRENCH DAM AGAINST UNDISTURBED EARTH

NOTES:

1. TRENCH DAMS ARE REQUIRED AT THE TRANSITION FROM ACTIVE UNDERDRAINS TO PASSIVE UNDERDRAINS.

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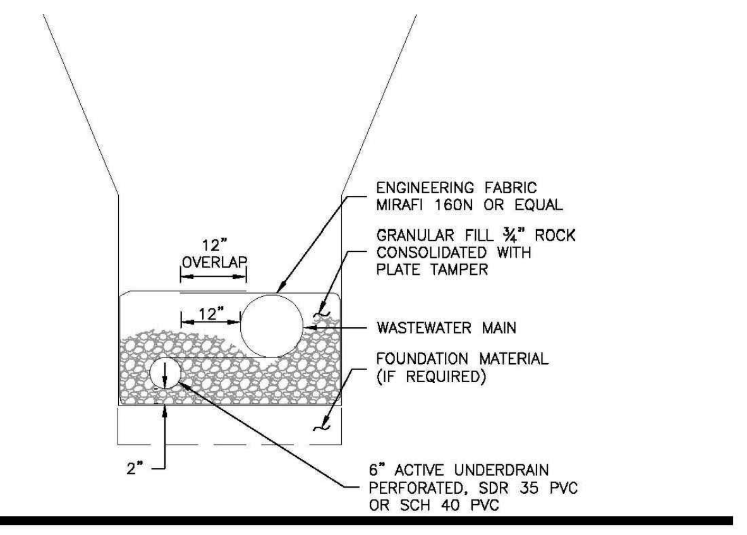
UNDERDRAIN TRENCH DAM

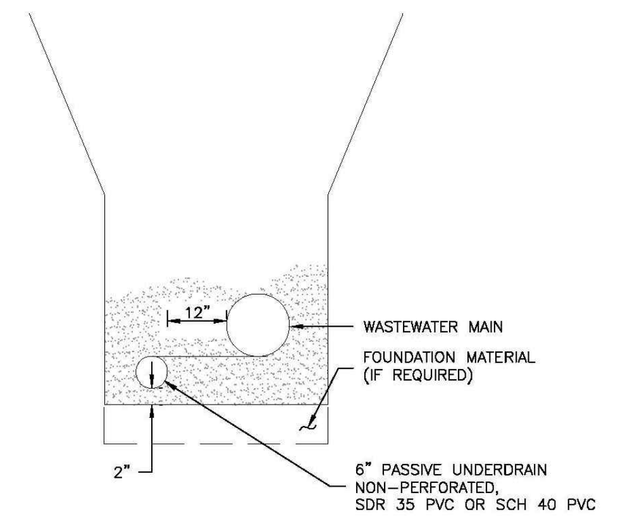
C6–2

DATED 5/2015

ACTIVE UNDERDRAIN PIPE


ENGINEERING FABRIC MIRAFI 160N OR EQUAL
GRANULAR FILL ¾" ROCK CONSOLIDATED WITH PLATE TAMPER
12" OVERLAP
12"
WASTEWATER MAIN
FOUNDATION MATERIAL (IF REQUIRED)
2"
6" ACTIVE UNDERDRAIN PERFORATED, SDR 35 PVC OR SCH 40 PVC

PASSIVE UNDERDRAIN PIPE


12"
WASTEWATER MAIN
FOUNDATION MATERIAL (IF REQUIRED)
2"
6" PASSIVE UNDERDRAIN NON–PERFORATED, SDR 35 PVC OR SCH 40 PVC

NOTES:

1. ACTIVE UNDERDRAIN PIPE REQUIRED FOR 10' DOWNSTREAM OF EACH MANHOLE WHERE UNDERDRAINS ARE INSTALLED.

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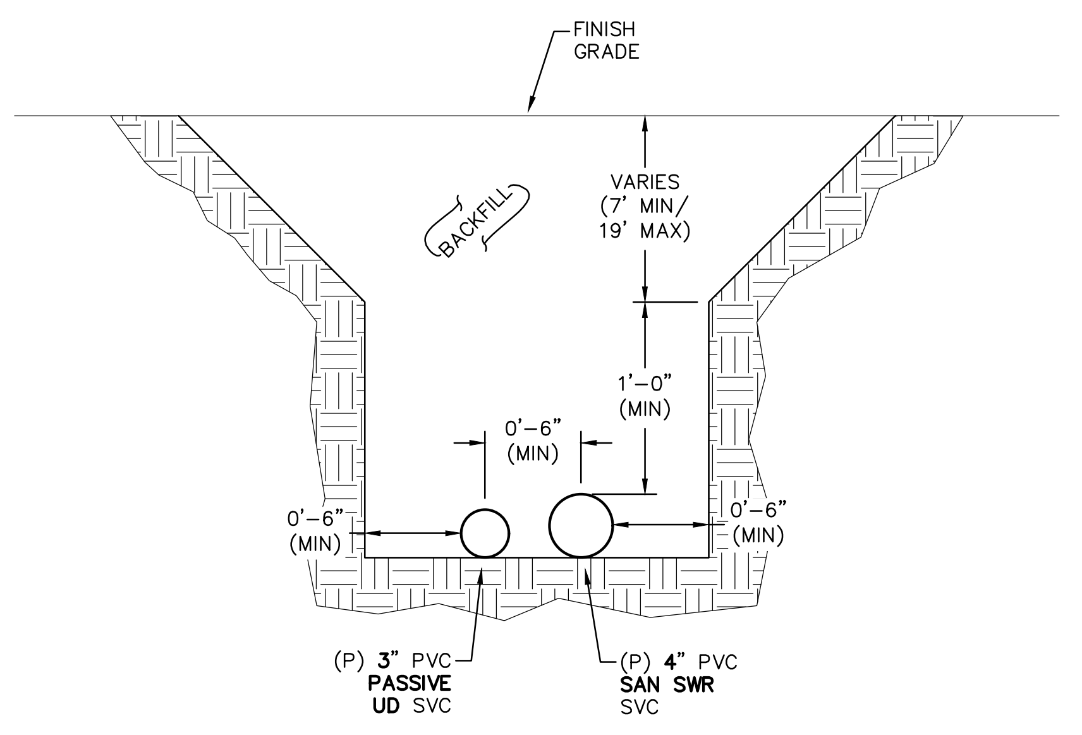
PREFERRED COMMON TRENCH
UNDERDRAIN WITH WASTEWATER MAIN

C6–3

DATED 5/2015

UNDERDRAIN DETAILS
REF: COLORADO SPRINGS UTILITIES 2026 WASTEWATER LINE EXTENSION AND SERVICE STANDARDS



COMMON SERVICE TRENCH DETAIL - SANITARY SEWER SERVICE w/ UNDERDRAIN
SCALE: N.T.S.

WOODMOOR WATER AND SANITARY DISTRICT NO. 1

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