MONUMENT RIDGE EAST FILING NO. 1
CONSTRUCTION DRAWINGS
EL PASO COUNTY, COLORADO

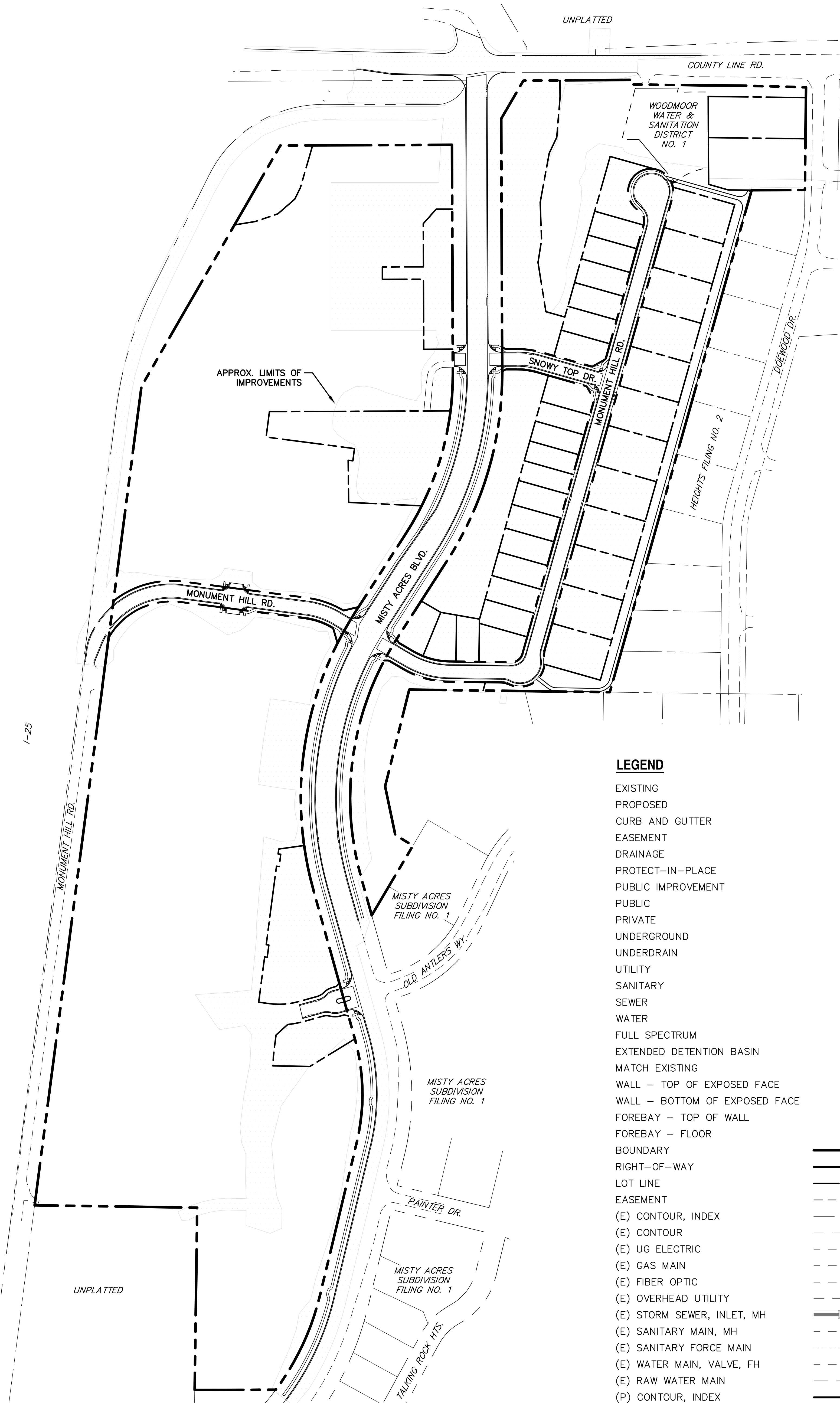
STANDARD NOTES FOR EL PASO COUNTY CONSTRUCTION PLANS:

1. 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.
2. 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).
3. 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:
   A. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
   B. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
   C. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
   D. CDOT M & S STANDARDS
4. 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.
5. 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.
6. CONTRACTOR SHALL SCHEDULE A PRE–CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (PCD) – INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
7. 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.
8. 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.
9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
10. 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.
11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
12. 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.
13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA. [IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]
14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, INCLUDING WORK WITHIN THE RIGHT–OF–WAY AND SPECIAL TRANSPORT PERMITS.
15. 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.
16. EL PASO COUNTY DOES NOT OWN AND IS NOT 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 RESPONSIBILITY OF THE DEVELOPER AND THE MONUMENT RIDGE EAST FILING NO. 1 PROPERTY OWNER'S ASSOCIATION.

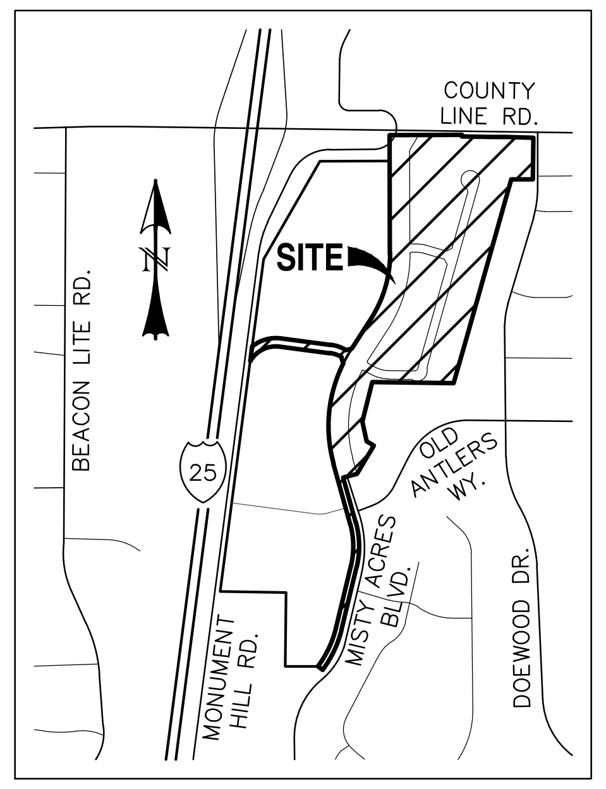
STANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS:

1. 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 (EPC) STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE (LDC), THE ENGINEERING CRITERIA MANUAL (ECM), THE DRAINAGE CRITERIA MANUAL (DCM) VOLUME 1 AND 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
2. A PRECONSTRUCTION MEETING BETWEEN THE PERMIT HOLDER(S) AND EL PASO COUNTY SHALL BE HELD PRIOR TO ANY CONSTRUCTION ACTIVITIES. IT IS THE RESPONSIBILITY OF THE PERMIT HOLDER(S) TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF. NO LAND DISTURBANCE OR CONSTRUCTION ACTIVITIES BEYOND THE INSTALLATION OF THE INITIAL CONSTRUCTION CONTROL MEASURES (CCMS), AS INDICATED ON THE APPROVED GEC PLAN OR CDS WITH GEC PLANS, MAY OCCUR PRIOR TO RECEIVING A NOTICE TO PROCEED (NTP) ISSUED BY THE ECM ADMINISTRATOR. FAILURE TO OBTAIN A NOTICE TO PROCEED PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES MAY RESULT IN AN IMMEDIATE STOP WORK ORDER (SWO).
3. CONSTRUCTION CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. STORMWATER RUNOFF FROM ALL DISTURBED AREAS AND SOIL STORAGE AREAS MUST UTILIZE OR FLOW TO ONE OR MORE CCM(S) TO MINIMIZE EROSION OR SEDIMENT IN THE DISCHARGE. THE CCM(S) MUST CONTAIN OR FILTER FLOWS IN ORDER TO PREVENT THE BYPASS OF FLOWS WITHOUT TREATMENT AND MUST BE APPROPRIATE FOR STORMWATER RUNOFF FROM DISTURBED AREAS AND FOR THE EXPECTED FLOW RATE, DURATION, AND FLOW CONDITIONS (E.G., SHEET OR CONCENTRATED FLOW).
4. ALL CCMS SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL FINAL STABILIZATION IS ACHIEVED. THE QUALIFIED STORMWATER MANAGER (QSM) SHALL ASSESS THE ADEQUACY OF CCMS AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CCMS ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CCMS.
5. PRIOR TO CONSTRUCTION THE PERMIT HOLDER(S) SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
6. MANAGEMENT OF THE STORMWATER MANAGEMENT PLAN (SWMP) DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QSM. THE SWMP SHALL BE LOCATED ON–SITE OR DIGITALLY ACCESSIBLE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES AND MUST BE IMPLEMENTED AS WRITTEN FROM THE START OF CONSTRUCTION ACTIVITY UNTIL FINAL STABILIZATION IS ACHIEVED. THE QSM SHALL AMEND THE SWMP WHEN THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE OF THE SITE WHICH WOULD REQUIRE THE IMPLEMENTATION OF NEW OR REVISED CCMS OR IF THE SWMP PROVES TO BE INEFFECTIVE IN CONTROLLING POLLUTANTS IN STORMWATER RUNOFF ASSOCIATED WITH CONSTRUCTION ACTIVITY OR WHEN CCMS ARE NO LONGER NECESSARY AND ARE REMOVED. THE QSM SHALL MAINTAIN A RECORD OF AMENDMENTS MADE TO THE SWMP THAT INCLUDES THE DATE AND IDENTIFICATION OF THE CHANGES.
7. EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PRE–EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A RECEIVING WATER UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED. IN ADDITION TO MAINTAINING 50 HORIZONTAL FEET OF PRE–EXISTING VEGETATION UPGRADIENT OF A RECEIVING WATER (UNLESS INFEASIBLE AND APPROVED), THE PERMIT HOLDER(S) MUST INSTALL CCMS UPGRADIENT OF THE VEGETATIVE BUFFER.
8. TEMPORARY STABILIZATION MEASURES SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
9. EROSION CONTROL BLANKET (ECB) OR OTHER APPROVED CONTROL MEASURE(S) SHALL BE USED ON SLOPES STEEPER THAN 3:1.
10. VEHICLE TRACKING CONTROLS (VTC) MUST BE IMPLEMENTED TO MINIMIZE VEHICLE TRACKING OF SEDIMENT FROM DISTURBED AREAS. VTCS MUST INCLUDE A STRUCTURE CONTROL MEASURE (E.G., TRACKING PAD) AND MAY INCLUDE A NON–STRUCTURAL CONTROL MEASURE (E.G., SWEEPING). MATERIAL TRACKED OFF–SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
11. ANY TEMPORARY OR PERMANENT CONTROL MEASURE DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF–SITE.
12. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER, PERMANENT CONTROL MEASURES (PCMS), OR DITCHES EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
13. ALL PCMS SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT AFFECT THE DESIGN OR FUNCTION OF PCMS MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
14. SOIL COMPACTION MUST BE MINIMIZED IN AREAS WHERE INFILTRATION PCMS WILL BE INSTALLED OR IN AREAS WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION PCMS SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF SOIL COMPACTION DOES OCCUR IN AREAS WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER OR IN AREAS WHERE INFILTRATION PCMS WILL BE INSTALLED, DECOMPACTION OF THE SOIL MUST BE COMPLETED PRIOR TO PLANTING OR INSTALLATION OF THE PCM(S). AN INFILTRATION TEST MUST BE CONDUCTED FOR ALL INFILTRATION PCMS AND THE INFILTRATION TEST RESULTS SUBMITTED TO EL PASO COUNTY PRIOR TO PRELIMINARY ACCEPTANCE (PA).
15. FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND PERMANENT STABILIZATION METHODS ARE COMPLETE. WHEN USING VEGETATIVE COVER AS A PERMANENT STABILIZATION METHOD, THE VEGETATION SHALL BE EVENLY DISTRIBUTED PERENNIAL VEGETATION AND OF THE VARIETY AND SPECIES FOUND IN THE COUNTY–APPROVED SEED MIXES OR IN THE APPROVED GEC PLAN. VEGETATION COVERAGE SHALL BE, AT A MINIMUM, EQUAL TO 70% OF WHAT WOULD HAVE BEEN PROVIDED BY NATIVE VEGETATION IN A LOCAL, UNDISTURBED AREA OR ADEQUATE REFERENCE SITE. ALL TEMPORARY CCMS SHALL BE REMOVED UPON FINAL STABILIZATION AND PRIOR TO STORMWATER PERMIT TERMINATION.
16. STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON–SITE OR OFF–SITE WATERS, INCLUDING WETLANDS.
17. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO BE DISCHARGED OFFSITE OR TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR CONTROL MEASURES. CONCRETE WASHOUT AREAS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK, OR STREAM.
18. DURING CONSTRUCTION DEWATERING OPERATIONS, UNCONTAMINATED GROUNDWATER MAY BE DISCHARGED ON SITE IN ACCORDANCE WITH THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT'S (CDPHE) LOW RISK DISCHARGE GUIDANCE POLICY FOR DISCHARGES OF UNCONTAMINATED GROUNDWATER TO LAND. IF CONSTRUCTION DEWATERING OPERATIONS ARE UNABLE TO MEET ALL CRITERIA, CONDITIONS, AND CONTROL MEASURE REQUIREMENTS OF THE LOW RISK DISCHARGE GUIDANCE POLICY, A COLORADO DISCHARGE PERMIT SYSTEM (CDPS) GENERAL PERMIT COG080000 WILL BE REQUIRED.
19. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTE FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES, OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
20. THE PERMIT HOLDER(S) SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
21. THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON–SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
22. MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. APPROPRIATE CMS SHALL BE UTILIZED BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
23. BULK STORAGE (I.E., INDIVIDUAL CONTAINERS OF 55 GALLONS OR GREATER) OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT, OR EQUIVALENT PROTECTION, TO CONTAIN ALL SPILLS ON–SITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM, OR OTHER FACILITIES.
24. NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ON–SITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
25. ON AREAS OF EXPOSED SOIL, MINIMIZE DUST THROUGH THE APPROPRIATE APPLICATION OF WATER OR OTHER DUST SUPPRESSION TECHNIQUES. WATER APPLICATION MUST BE CONDUCTED IN A MANNER TO PREVENT DISCHARGE OFFSITE UNLESS AUTHORIZED BY A CDPS OR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT.
26. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
27. FOR SITES WHERE A SOILS REPORT IS REQUIRED, THE APPROVED SOILS REPORT FOR THIS SITE SHALL BE CONSIDERED A PART OF THESE PLANS.
28. PERMIT HOLDER(S) AND THEIR AGENTS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUME 2, AND ENGINEERING CRITERIA MANUAL. ALL APPLICABLE LOCAL, STATE, AND FEDERAL PERMITS MUST BE OBTAINED PRIOR TO CONSTRUCTION. IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
29. AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE OR LESS THAN 1 ACRE AND PART OF A LARGER COMMON PLAN OF DEVELOPMENT OR SALE THAT WOULD DISTURB 1 OR MORE ACRES, THE PERMIT HOLDER(S) SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE (COR400000 PERMIT) TO THE CDPHE WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A SWMP, OF WHICH THIS GEC PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL DIVISION
WQCD – PERMITS
4300 CHERRY CREEK DRIVE SOUTH
DENVER, CO 80246–1530
ATTN: PERMITS UNIT



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 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 PLANS 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.

NOT FOR CONSTRUCTION

RAYMOND ____________ DATE

OWNER STATEMENT:

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

OWNER/DEVELOPER NAME: ____________ DATE

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. ____________ DATE
COUNTY ENGINEER / ECM ADMINISTRATOR

LEGEND

EXISTING	(E)
PROPOSED	(P)
CURB AND GUTTER	C&G
EASEMENT	ESMT
DRAINAGE	DR
PROTECT–IN–PLACE	PIP
PUBLIC IMPROVEMENT	PI
PUBLIC	PUB
PRIVATE	PVT
UNDERGROUND	UG
UNDERDRAIN	UD
UTILITY	UT
SANITARY	SAN
SEWER	SWR
WATER	WTR
FULL SPECTRUM	FS
EXTENDED DETENTION BASIN	EDB
MATCH EXISTING	[M]
WALL – TOP OF EXPOSED FACE	TEF
WALL – BOTTOM OF EXPOSED FACE	BEF
FOREBAY – TOP OF WALL	TOW
FOREBAY – FLOOR	FBF
BOUNDARY	— — — — —
RIGHT–OF–WAY	— — — —
LOT LINE	— – — – —
EASEMENT	– – – – – – – – –
(E) CONTOUR, INDEX	— —7320— —
(E) CONTOUR	— — — — — —
(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) CONTOUR, INDEX	——7320——
(P) CONTOUR	————————
(P) SANITARY MAIN, MH	—— S ——●—— S ——
(P) SANITARY MAIN, MH	——SFM——SFM——
(P) STORM SEWER, INLET, MH	═□═══ ═══○
(P) WATER MAIN, VALVE, FH	—— W ——⋈—— W ——●

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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	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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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

CONSTRUCTION DRAWINGS

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: N/A	DATE: 04/08/25
JOB NUMBER	SHEET
24–001	1 OF 29

UNPLATTED
(E) UTILITY POLE & OVERHEAD UTILITY (TYP)
(E) ELEC ESMT (WIDTH VARIES)
(E) FIBER OPTIC (TYP)
I-25
MONUMENT HILL RD.
(E) ELEC ESMT (WIDTH VARIES)
(E) EDGE OF ASPHALT (TYP)
(E) 8" PVC SAN FORCE MAIN (TYP)
(E) 20.00' ELEC ESMT
(E) TELE ESMT (WIDTH VARIES)
(E) MONUMENT HILL RD. APSHALT TO BE DEMO'ed [APPROX. 47, 236 SF]
(E) FENCE (TYP)
(E) ACCESS ESMT
(E) 16.50' TELE ESMT
(E) ELEC ESMT (WIDTH VARIES)
(E) UG CATV (TYP)
TSB 3
(P) 6" PVC RISER PIPE & 23 LF OUTFALL PIPE
(P) RIPRAP SPILLWAY [26'x28']
(E) FH (TYP)
(E) DUAL 48" RCP [PIP]
PROPERTY BOUNDARY (TYP)
APPROX. LIMITS OF DISTURBANCE / CONSTRUCTION
(E) DR ESMT
NO BUILD ESMT
(E) 5.00' DR & UT ESMT
(E) 5.00' UT ESMT
(E) 5.00' UT ESMT
(E) 30.00' UT ESMT
(E) 30.00' UT ESMT
(E) 8" PVC WTR MAIN (TYP)
(E) 8" PVC SAN SWR (TYP)
(E) 30.00' UT ESMT
MISTY ACRES SUBDIVISION FILING NO. 1
MISTY ACRES SUBDIVISION FILING NO. 1
MISTY ACRES SUBDIVISION FILING NO. 1
TALKING ROCK HTS.
PAINTER DR.
OLD ANTLERS WY.
WETLANDS
WETLANDS
SP1
TSB 2
(P) 6" PVC RISER PIPE & 23 LF OUTFALL PIPE
(P) RIPRAP SPILLWAY [10'x24']
(E) RIPRAP (TYP)
COUNTY LINE RD. (PALMER DIVIDE AVE.)
ANDREWS RD.
(P) RIPRAP SPILLWAY [10'x28']
(E) FENCE [PIP]
TSB 1
(E) GAS MAIN (TYP)
(P) 6" PVC RISER PIPE & 16 LF OUTFALL PIPE
(E) STM (TYP)
(E) 10.00' ELEC ESMT
(E) 16.00' UT ESMT
(P) 20.00' UT ESMT
(E) 30.00' UT ESMT
(P) 16.00' UT ESMT
(E) PI ESMT
(E) SAN SWR ESMT
(E) 30.00' SAN SWR ESMT
WOODMOOR WATER & SANITATION DISTRICT NO. 1
UNPLATTED
ROW (TYP)
(E) 20.00' ELEC ESMT
(E) UG ELEC (TYP)
(E) 20.00' SAN SWR ESMT
HEIGHTS FILING NO. 2
DOEWOOD DR.
SF
VTC
CWA
SSA
SB
CIP
IP3
PT
0 100 200
SCALE: 1" = 100'

LEGEND

EXISTING	(E)
PROPOSED	(P)
PRIVATE	PVT
PUBLIC	PUB
SANITARY	SAN
SEWER	SWR
STORM	STM
WATER	WTR
TEMPORARY	TEMP
DRAINAGE	DR
UNDERGROUND	UG
UTILITY	UT
PROTECT-IN-PLACE	PIP
PROPERTY BOUNDARY	━━ ━ ━ ━━
RIGHT-OF-WAY	━━ ━ ━ ━━
PROPERTY LINE	── ─ ── ─ ──
(E) CONTOUR, INDEX	—— 5960 ——
(E) CONTOUR	— — — —
(P) CONTOUR, INDEX	━━ 5960 ━━
(P) CONTOUR	────
LIMITS OF CONSTRUCTION/ LIMITS OF DISTURBANCE	- - - - - -
(E) UG ELECTRIC	— E — E — E —
(E) GAS MAIN	— G — G — G —
(E) FIBER OPTIC	— FO — FO — FO —
(E) UG TELEPHONE	— T — T — T —
(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 —
(P) STORM SEWER, INLET, MH	═□═══○
DIRECTION OF OVERLAND FLOW	~→
DIRECTION OF FLOW	2.00% ←
(P) RIPRAP	▨

CONSTRUCTION CONTROL LEGEND

SILT FENCE	—SF— SF	STAGE 1
VEHICLE TRACKING CONTROL	▨ VTC	STAGE 1
STABILIZED STAGING AREA*	▨ SSA	STAGE 1
STOCKPILE AREA*	▨ SP	STAGE 1
CONCRETE WASHOUT*	▢ CWA	STAGE 1
INLET PROTECTION – ROCK SOCK	▢ IP3	STAGE 1
CULVERT INLET PROTECTION	CIP	STAGE 1
PORTABLE TOILET MANAGEMENT*	▢ PT	STAGE 1
TEMPORARY SEDIMENT BASIN	SB	STAGE 1

NOTES:

* THE LOCATION OF SOIL STOCKPILE(S), STAGING AREA, CONCRETE WASHOUT(S), TEMPORARY CCM'S, AND TEMPORARY DISPOSAL AREA SHALL BE DETERMINED BY THE CONTRACTOR. APPROPRIATE CONSTRUCTION CONTROL MEASURES SHALL BE FOLLOWED FOR EACH.

1. THE CONTRACTOR SHALL IMPLEMENT A PLAN FOR THE MAINTENANCE AND SCHEDULING OF ALL OTHER NON-LOCATION SPECIFIC CONTROL MEASURES (IE STREET SWEEPING). THIS PLAN SHALL BE UPDATED AS SITE CONDITIONS CHANGE AND AS CONSTRUCTION PROGRESSES. THIS PLAN SHALL REMAIN ON SITE AT ALL TIMES.

2. THE CONTRACTOR SHALL DETERMINE AREAS REQUIRING SEEDING AND MULCHING THROUGHOUT THE CONSTRUCTION PROCESS. A MAP SHALL INDICATE THESE AREAS AND SHALL BE UPDATED AS SITE CONDITIONS CHANGE AND AS CONSTRUCTION PROGRESSES. THIS MAP SHALL REMAIN ON SITE AT ALL TIMES.

3. SEE FINAL LANDSCAPE PLAN FOR DELINEATION OF:
   - EXISTING VEGETATION TO REMAIN
   - AREAS OF PROPOSED VEGETATION

CONSTRUCTION CONTROL MEASURES INSTALLATION STAGING NOTES:

STAGE 1 – PRE-DISTURBANCE
INSTALL INITIAL STORMWATER QUALITY (SWQ) CONSTRUCTION CONTROL MEASURES (CCM'S) AS SHOWN ON THE GRADING AND EROSION CONTROL PLAN PRIOR TO COMMENCEMENT OF GRADING ACTIVITIES. THESE CCM'S CONSIST OF THE PERIMETER CONTROLS OF SILT FENCE, CURB SOCKS, INLET PROTECTION OF EXISTING INLETS, AND THE VEHICLE TRACKING CONTROL PAD.

STAGE 2 – OVERLOT GRADING
COMMENCE THE BULK OF OVERLOT GRADING OPERATIONS AND INSTALL TEMPORARY CCM'S AS SHOWN ON THE GRADING AND EROSION CONTROL PLAN. TEMPORARY CCM'S MAY CONSIST OF ADDITIONAL SILT FENCE AND SURFACE ROUGHENING OF SLOPES. LOCATION OF ANY TEMPORARY CCMs WILL BE DETERMINED BY THE CONTRACTOR. A MAP SHALL INDICATE THESE TEMPORARY ITEMS AND SHALL BE UPDATED AS SITE CONDITIONS CHANGE AND AS THE GRADING OPERATIONS PROGRESS. THIS MAP SHALL REMAIN ON SITE AT ALL TIMES.

STAGE 3 – INFRASTRUCTURE & BUILDING CONSTRUCTION
CONSTRUCT SITE IMPROVEMENTS AS SHOWN ON THE APPLICABLE CONSTRUCTION DOCUMENTS. ADDITIONAL TEMPORARY CCM'S CONSISTING OF ADDITIONAL SILT FENCE, CONCRETE WASH-OUT AREA, AND INLET PROTECTION OF PERMANENT DRAINAGE IMPROVEMENTS. ANY STOCKPILED DIRT SHALL BE PROTECTED BY A PERIMETER OF SILT FENCE.

STAGE 4 – PERMANENT STABILIZATION
PERMANENT SWQ CCM'S SUCH AS RIP-RAP, CURB & GUTTER, PAVEMENT, LANDSCAPING, AND SEEDING SHALL BE CONSTRUCTED AT THIS TIME AS OUTLINED ON THE GRADING AND EROSION CONTROL PLAN AND THE LANDSCAPE AND IRRIGATION PLANS, DRAINAGE REPORT, AND/OR CONSTRUCTION DOCUMENTS. ALL DISTURBED AREAS THAT ARE NOT PERMANENTLY PAVED OR LANDSCAPED SHALL BE PERMANENTLY SEEDED.

OTHER NON-STRUCTURAL CCM'S INCLUDE, BUT ARE NOT LIMITED TO, LIMITING DISTURBED AREAS AND STREET SWEEPING.

ALL AREAS TO BE VEGETATED WITH SEEDING SHOULD ALSO BE TEMPORARILY STABILIZED VIA SURFACE ROUGHENING OR SOME OTHER MEANS.

NON APPLICABLE ITEMS

- NO-BUILD AREAS
- LOCATION OF ASPHALT, CONCRETE BATCH PLANTS AND MASONRY MIX STATIONS
- BOUNDARIES OF 100 YR FLOODPLAIN
- BOUNDARIES OF STREAMSIDE OVERLAY
- BOUNDARIES OF HILLSIDE OVERLAY
- LOCATIONS OF PRESERVATION EASEMENTS

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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Call 72 hours before you dig.
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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
INITIAL GRADING & EROSION
CONTROL PLAN

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 100'	DATE: 04/08/25
JOB NUMBER	SHEET
24-001	2 OF 29

P:_Projects\24-001 MRE\Dwg_CDs\Ph1\24-001-CDs-02-G-EC – G-EC – Initial – Saturday, July 11, 2026 2:49:48 PM – Michael Pitts

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

UNPLATTED
I-25
MONUMENT HILL RD.
(E) UTILITY POLE & OVERHEAD UTILITY (TYP)
(E) ELEC ESMT (WIDTH VARIES)
(E) 8" PVC SAN FORCE MAIN (TYP)
(E) FIBER OPTIC (TYP)
(E) EDGE OF ASPHALT (TYP)
(E) 20.00' ELEC ESMT
(E) TELE ESMT (WIDTH VARIES)
(E) MONUMENT HILL RD. APSHALT TO BE DEMO'ed [APPROX. 47, 236 SF]
(E) ACCESS ESMT
TRACT N
TRACT G
TRACT M
TRACT L
WETLANDS
TRACT C
TRACT D
TRACT E
TRACT F
TRACT B
TRACT A
POND 1
POND 2
POND 4
POND 5
SSA
SP1
HOLDING AREA FEEDING POND 1
HOLDING AREA FEEDING POND 4
MISTY ACRES BLVD.
MONUMENT HILL RD.
(P) RET WALL
(P) 8" PVC WTR SWR (TYP)
PROPERTY BOUNDARY (TYP)
APPROX. LIMITS OF DISTURBANCE CONSTRUCTION
NO BUILD ESMT
(P) 15.00' TEMP POND ACCESS ESMT
(P) 60.00' UT ESMT
(P) 8" PVC SAN FORCE MAIN (TYP)
(P) 8" PVC SAN SWR (TYP)
(P) C&G (TYP)
(P) CONCRETE COLLECTION STRUCTURE
(E) 8" PVC WTR MAIN (TYP)
(E) 8" PVC SAN SWR (TYP)
(E) 30.00' UT ESMT
MISTY ACRES SUBDIVISION FILING NO. 1
TALKING ROCK HTS.
PAINTER DR.
OLD ANTLERS WY.
HEIGHTS FILING NO. 2
DOEWOOD DR.
COUNTY LINE RD. (PALMER DIVIDE AVE.)
ANDREWS RD.
WOODMOOR WATER & SANITATION DISTRICT NO. 1
(E) FENCE (PIP)
(E) GAS MAIN (TYP)
(E) UG ELEC (TYP)
ROW (TYP)
LOT 1
LOT 2
LOT 3
LOT 4
LOT 5
LOT 6
LOT 7
LOT 8
LOT 9
LOT 10
LOT 11
LOT 12
LOT 13
LOT 14
LOT 15
LOT 16
LOT 17
LOT 18
LOT 19
LOT 20
LOT 21
LOT 22
LOT 23
LOT 24
LOT 25
LOT 26
LOT 27
LOT 28
LOT 29
LOT 30
LOT 31
LOT 32
LOT 33
LOT 36
LOT 37
0
100
200
SCALE: 1" = 100'

LEGEND

EXISTING	(E)
PROPOSED	(P)
CURB AND GUTTER	C&G
INLET PROTECTION	IP
PRIVATE	PVT
PUBLIC	PUB
SANITARY	SAN
SEWER	SWR
STORM	STM
WATER	WTR
CURB TYPE CALL-OUT	A
TEMPORARY	TEMP
DRAINAGE	DR
UNDERGROUND	UG
UTILITY	UT
FULL-SPECTRUM	FS
EXTENDED DETENTION BASIN	EDB
WALL – TOP OF EXPOSED FACE	TEF
WALL – BOTTOM OF EXPOSED FACE	BEF
PROTECT-IN-PLACE	PIP
PROPERTY BOUNDARY	
RIGHT-OF-WAY	
PROPERTY LINE	
(E) CONTOUR, INDEX	5960
(E) CONTOUR	
(P) CONTOUR, INDEX	5960
(P) CONTOUR	
LIMITS OF CONSTRUCTION/ LIMITS OF DISTURBANCE	
(E) UG ELECTRIC	E
(E) GAS MAIN	G
(E) FIBER OPTIC	FO
(E) UG TELEPHONE	T
(E) STORM SEWER, INLET, MH	
(E) SANITARY MAIN, MH	S
(E) SANITARY FORCE MAIN	SFM
(E) WATER MAIN, VALVE, FH	W
(P) STORM SEWER, INLET, MH	
(P) SANITARY MAIN, MH	S
(P) SANITARY FORCE MAIN	S-F
(P) WATER MAIN, VALVE, FH	W
CUT/FILL LINE	CUT FILL
DIRECTION OF OVERLAND FLOW	
RET. WALL CALL-OUT	XX.XX TEF XX.XX BEF
DIRECTION OF FLOW	2.00%

CONSTRUCTION CONTROL LEGEND

SILT FENCE	SF	SF	STAGE 1
VEHICLE TRACKING CONTROL	▨	VTC	STAGE 1
INLET PROTECTION – CURB INLET		IP1	STAGE 1
INLET PROTECTION – ROCK SOCK	☐	IP3	STAGE 1
CULVERT INLET PROTECTION		CIP	STAGE 1
SEDIMENT CONTROL LOG	—	SCL	STAGE 3
EROSION CONTROL BLANKET	▨	ECB	STAGE 3
STABILIZED STAGING AREA*	☐	SSA	STAGE 1
STOCKPILE AREA*	☐	SP	STAGE 1
CONCRETE WASHOUT*	☐	CWA	STAGE 1
PORTABLE TOILET MANAGEMENT*	☐	PT	STAGE 1

NOTES:

* THE LOCATION OF SOIL STOCKPILE(S), STAGING AREA, CONCRETE WASHOUT(S), TEMPORARY CCMs, AND TEMPORARY DISPOSAL AREA SHALL BE DETERMINED BY THE CONTRACTOR. APPROPRIATE CONSTRUCTION CONTROL MEASURES SHALL BE FOLLOWED FOR EACH.

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3. SEE FINAL LANDSCAPE PLAN FOR DELINEATION OF:
   - EXISTING VEGETATION TO REMAIN
   - AREAS OF PROPOSED VEGETATION

RETAINING WALL NOTES:

1. RETAINING WALL(S) ARE SHOWN FOR LOCATION ONLY. THIS PLAN DOES NOT CONSTITUTE A DESIGN (GRAVITY, STRUCTURAL, ENGINEERED, ETC.) FOR THE RETAINING WALL(S).
2. CALL-OUTS ONLY SHOW EXPOSED FACE AT TOP AND BOTTOM OF WALL(S). THE CALL-OUTS DO NOT INCLUDE A BASE, LEVELING PAD, FOOTER, AND OR BURIED WALL BLOCK(S).
3. IF A DESIGN (GRAVITY, STRUCTURAL, ENGINEERED, ETC.) FOR THE RETAINING WALL(S) IS REQUIRED, THEN THAT WILL BE PROVIDED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF COLORADO UNDER SEPARATE COVER.

CONSTRUCTION CONTROL MEASURES INSTALLATION STAGING NOTES:

STAGE 1 – PRE-DISTURBANCE
INSTALL INITIAL STORMWATER QUALITY (SWQ) CONSTRUCTION CONTROL MEASURES (CCM'S) AS SHOWN ON THE GRADING AND EROSION CONTROL PLAN PRIOR TO COMMENCEMENT OF GRADING ACTIVITIES. THESE CCM'S CONSIST OF THE PERIMETER CONTROLS OF SILT FENCE, CURB SOCKS, INLET PROTECTION OF EXISTING INLETS, AND THE VEHICLE TRACKING CONTROL PAD.

STAGE 2 – OVERLOT GRADING
COMMENCE THE BULK OF OVERLOT GRADING OPERATIONS AND INSTALL TEMPORARY CCM'S AS SHOWN ON THE GRADING AND EROSION CONTROL PLAN. TEMPORARY CCM'S MAY CONSIST OF ADDITIONAL SILT FENCE AND SURFACE ROUGHENING OF SLOPES. LOCATION OF ANY TEMPORARY CCMs WILL BE DETERMINED BY THE CONTRACTOR. A MAP SHALL INDICATE THESE TEMPORARY ITEMS AND SHALL BE UPDATED AS SITE CONDITIONS CHANGE AND AS THE GRADING OPERATIONS PROGRESS. THIS MAP SHALL REMAIN ON SITE AT ALL TIMES.

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NON APPLICABLE ITEMS

- NO-BUILD AREAS
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- BOUNDARIES OF 100 YR FLOODPLAIN
- BOUNDARIES OF STREAMSIDE OVERLAY
- BOUNDARIES OF HILLSIDE OVERLAY
- LOCATIONS OF PRESERVATION EASEMENTS

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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

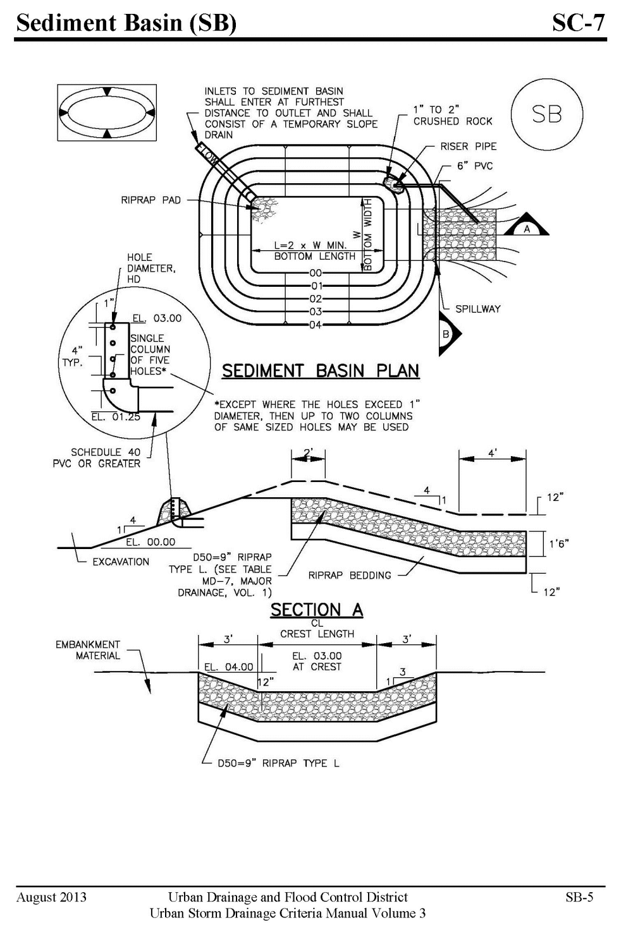
PREPARE
RAYMO

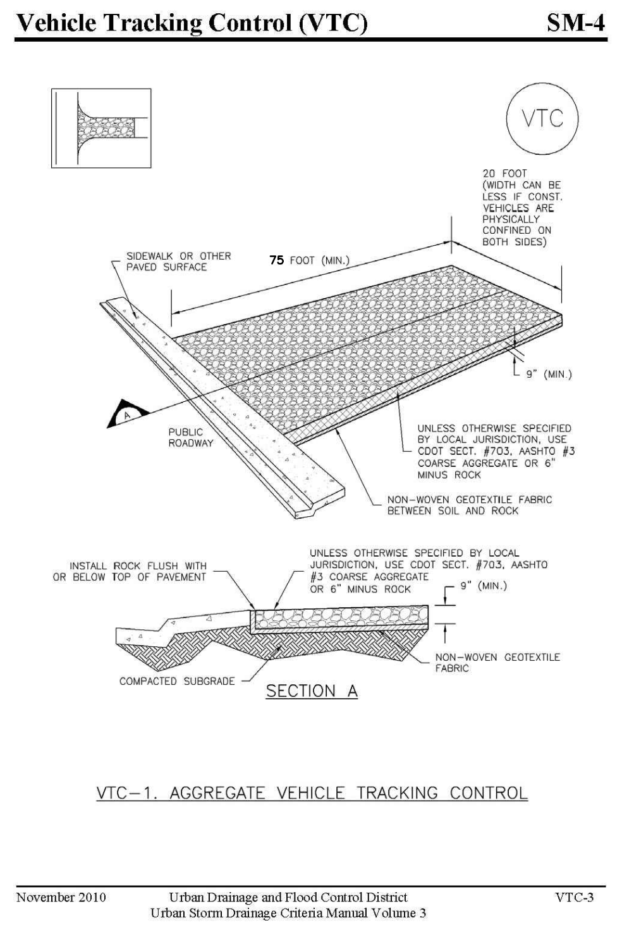
NOT FOR CONSTRUCTION

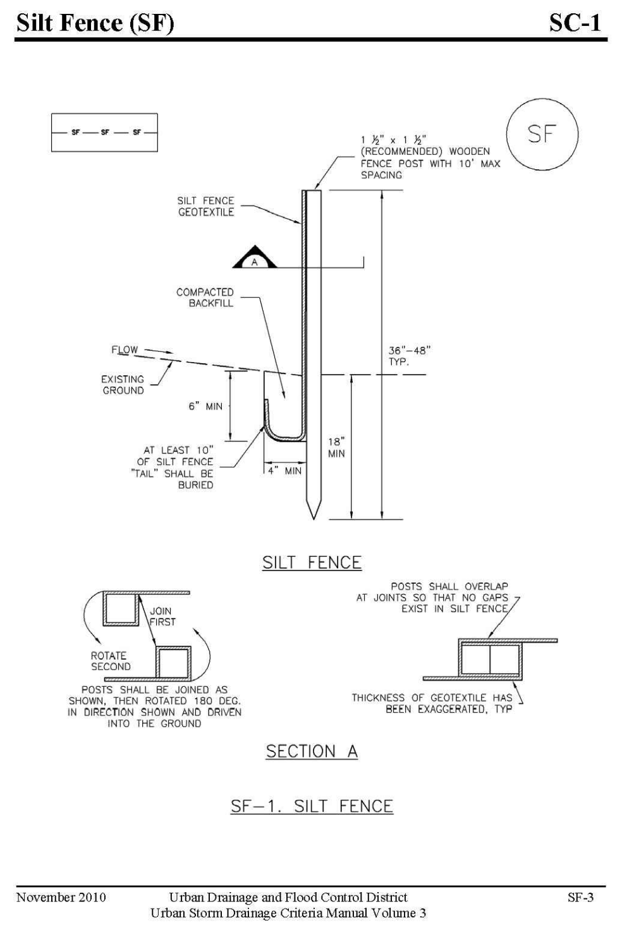
PRC ENGINEERING
1685 W. UINTAH STREET, SUITE 114
COLORADO SPRINGS, CO 80904
(719) 291-2744

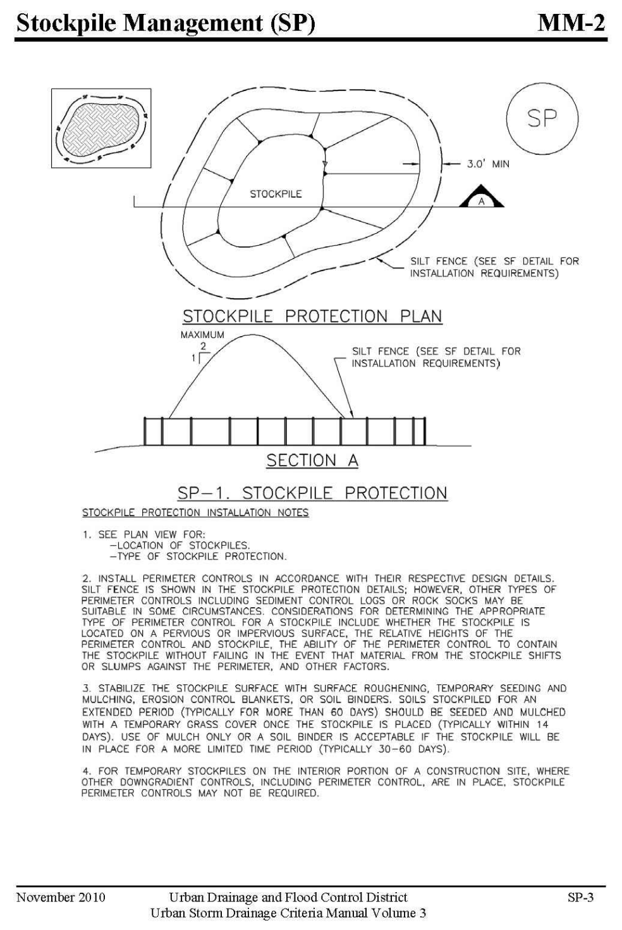
MONUMENT RIDGE EAST
FILING NO. 1
FINAL GRADING & EROSION CONTROL PLAN

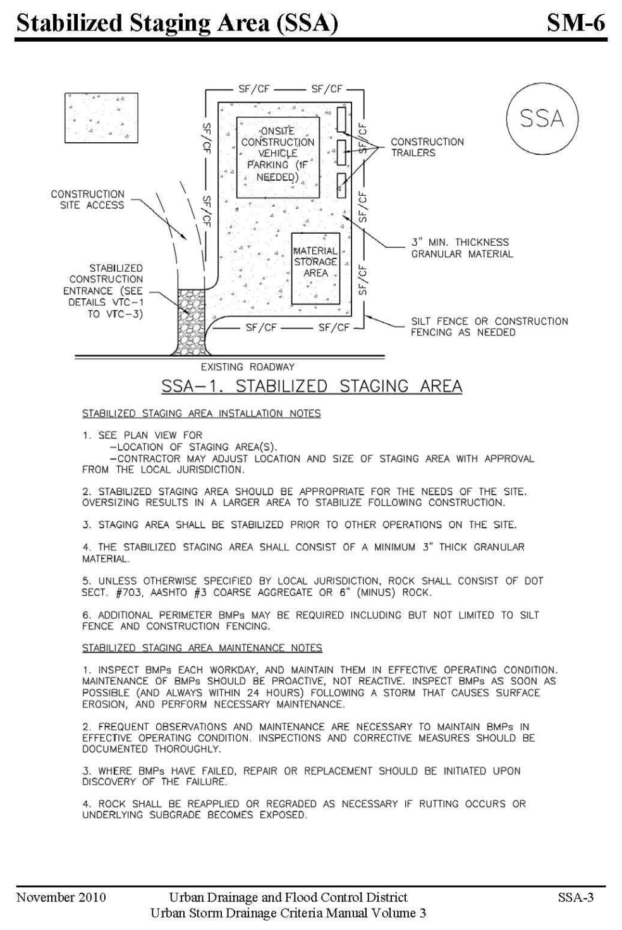
DESIGNED BY:	MGP	DRAWN BY:	MGP
SCALE:	1" = 100'	DATE:	04/08/25
JOB NUMBER	24-001	SHEET	3 OF 29

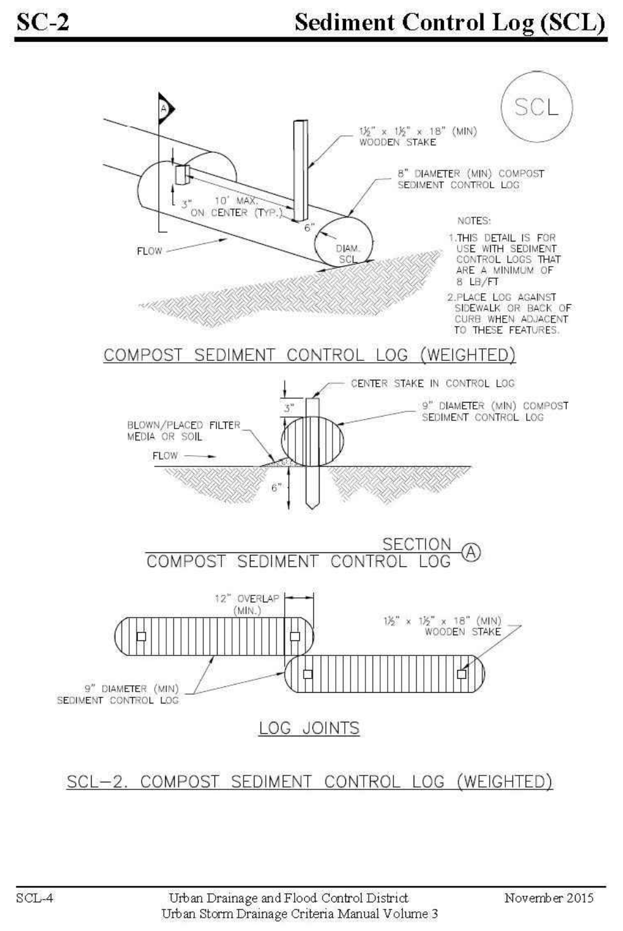

Sediment Basin (SB) SC-7
SEDIMENT BASIN PLAN
SECTION A
August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SB-5

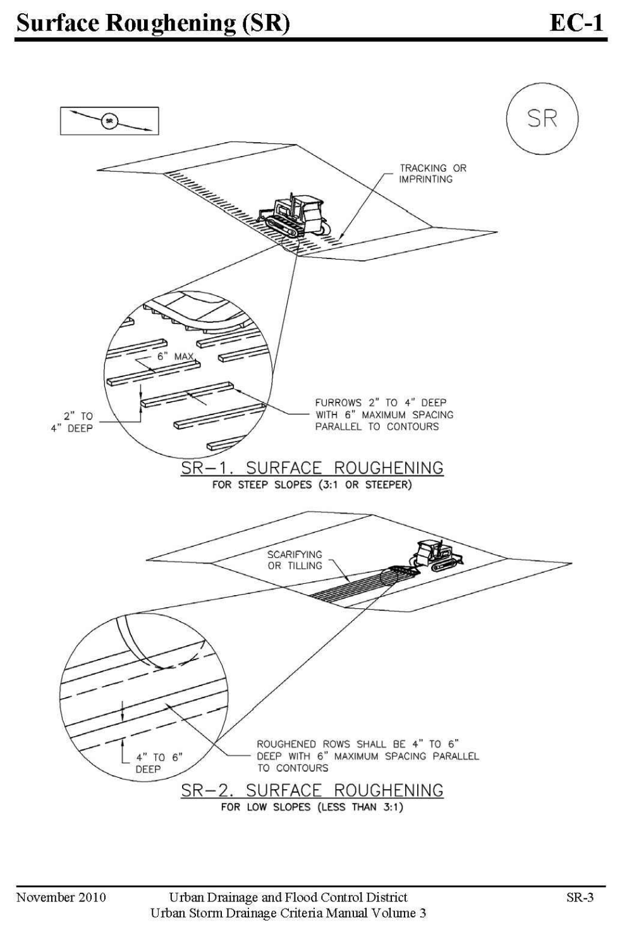

Vehicle Tracking Control (VTC) SM-4
SECTION A
VTC-1. AGGREGATE VEHICLE TRACKING CONTROL
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-3

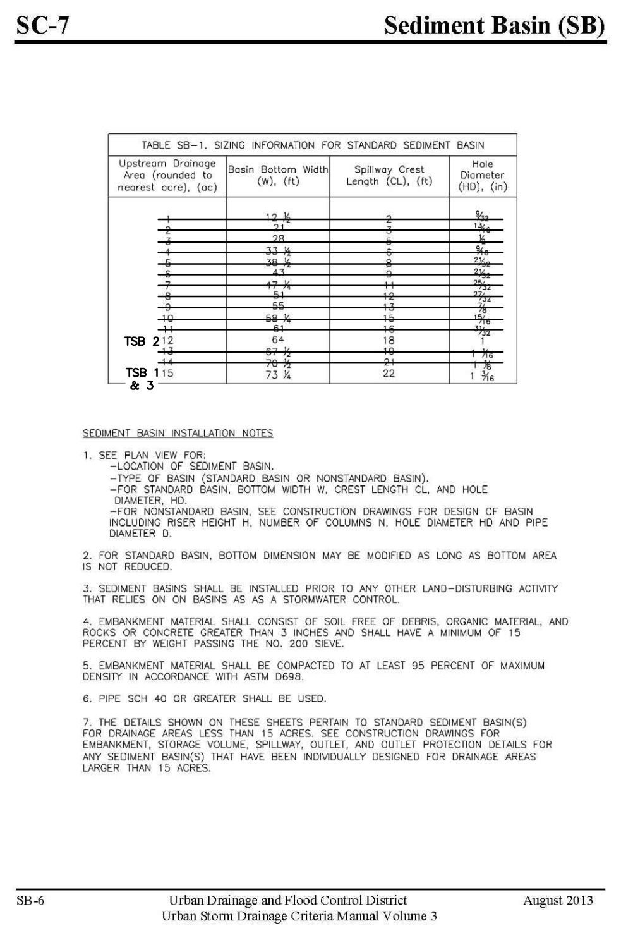

Silt Fence (SF) SC-1
SILT FENCE
SECTION A
SF-1. SILT FENCE
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SF-3

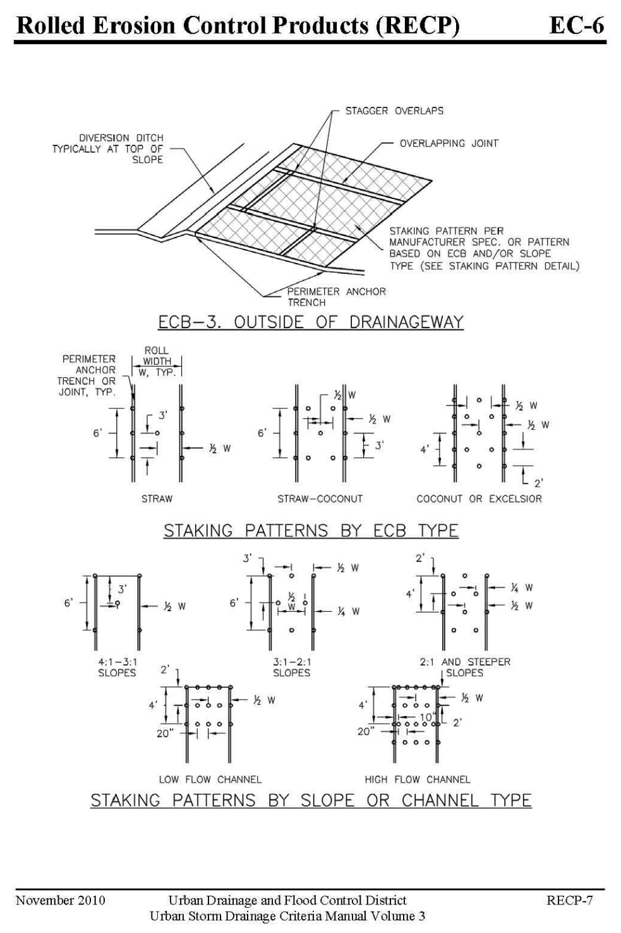

Stockpile Management (SP) MM-2
STOCKPILE PROTECTION PLAN
SECTION A
SP-1. STOCKPILE PROTECTION
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SP-3

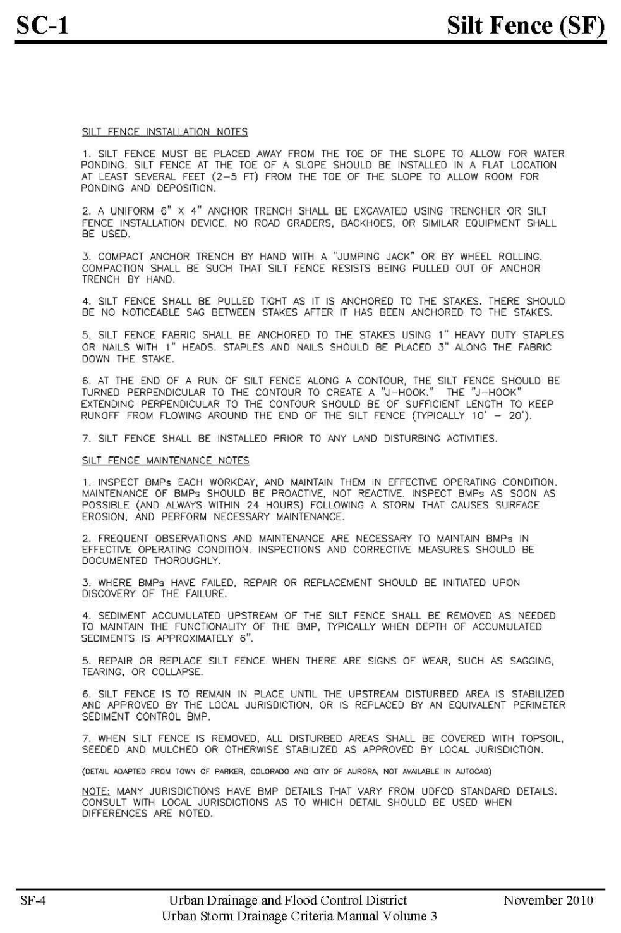

Stabilized Staging Area (SSA) SM-6
SSA-1. STABILIZED STAGING AREA
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SSA-3

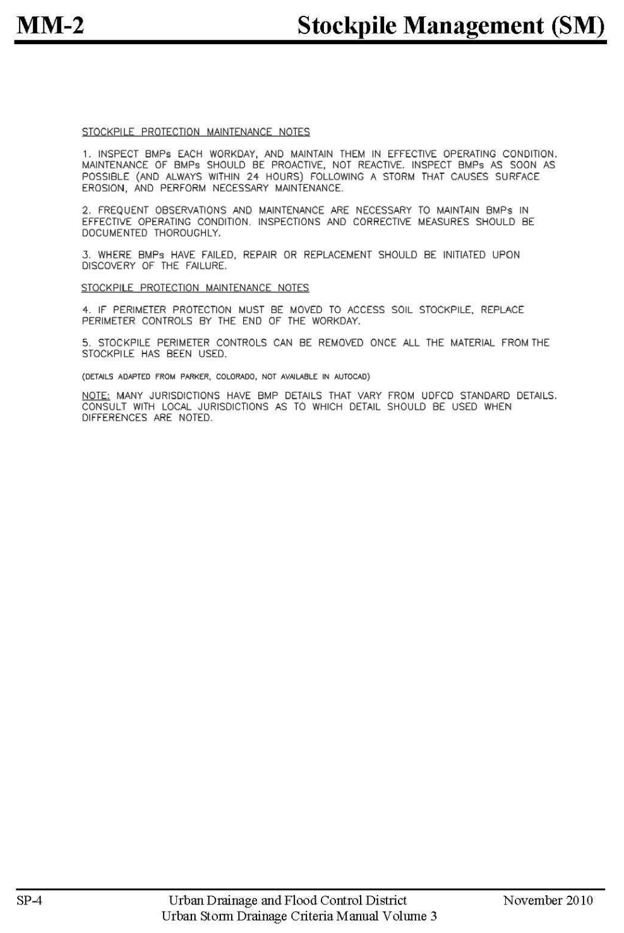

SC-2 Sediment Control Log (SCL)
COMPOST SEDIMENT CONTROL LOG (WEIGHTED)
SECTION A
LOG JOINTS
SCL-2. COMPOST SEDIMENT CONTROL LOG (WEIGHTED)
SCL-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2015

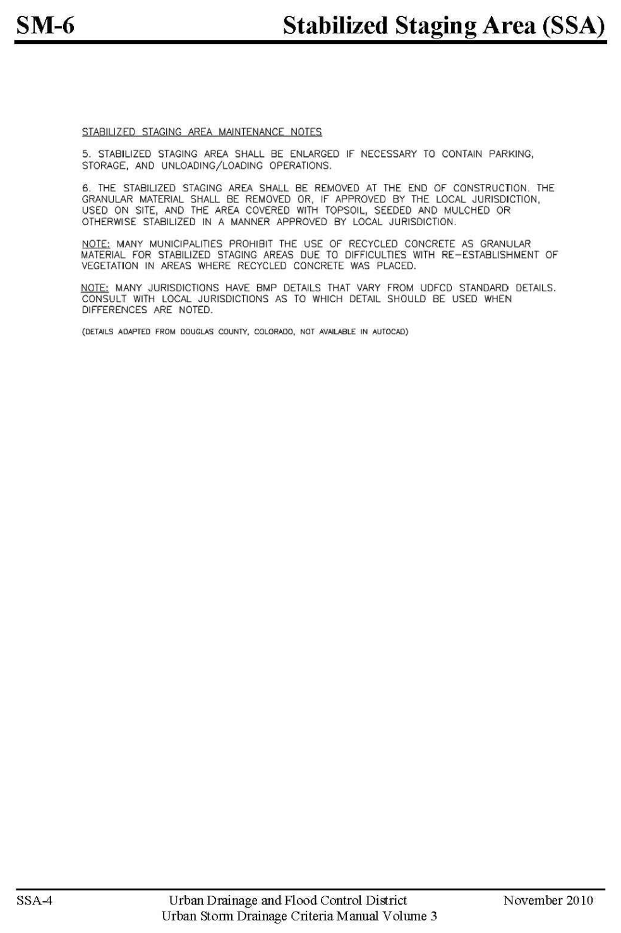

Surface Roughening (SR) EC-1
SR-1. SURFACE ROUGHENING
SR-2. SURFACE ROUGHENING
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SR-3

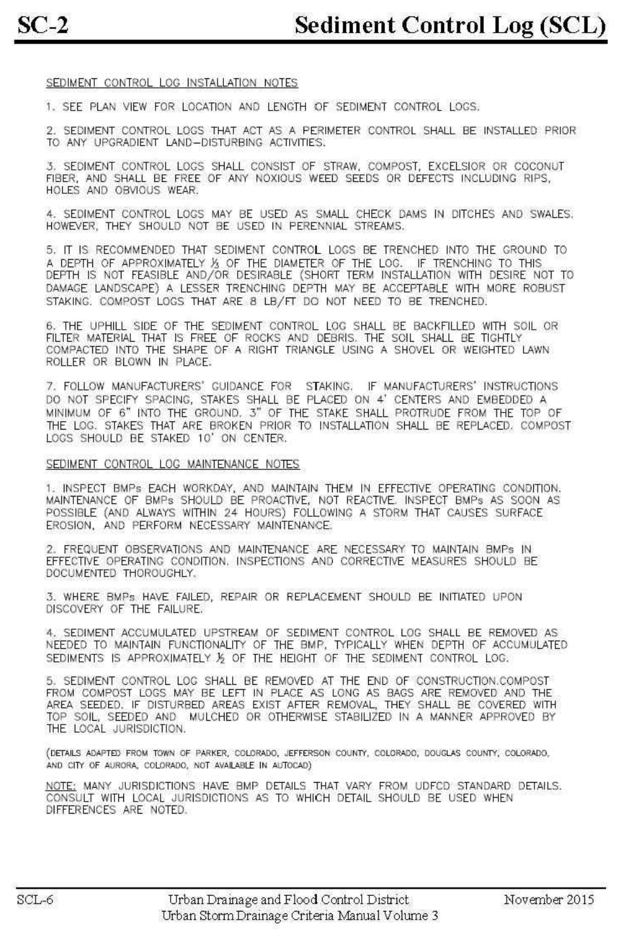

SC-7 Sediment Basin (SB)
SB-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 August 2013

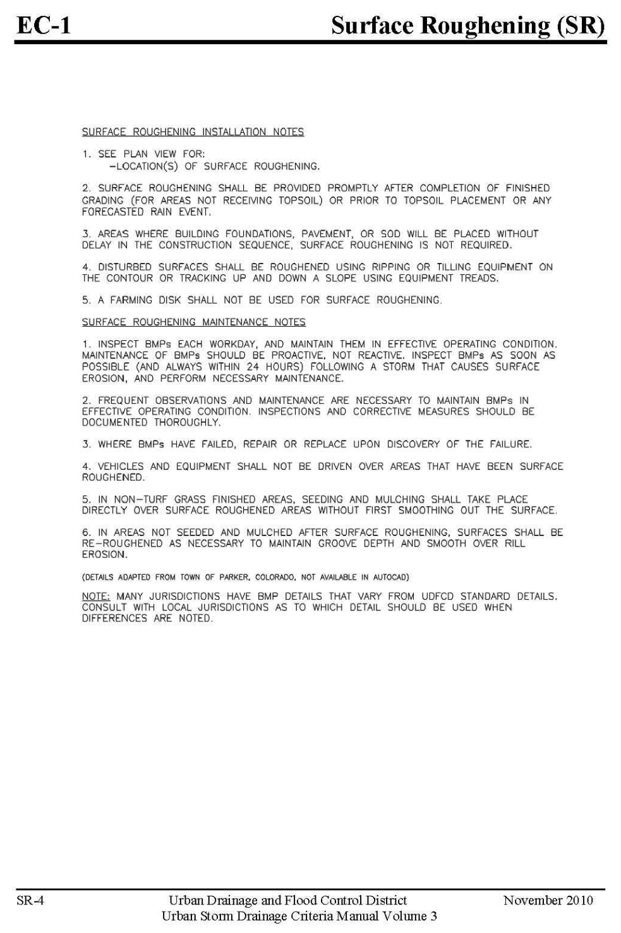

Rolled Erosion Control Products (RECP) EC-6
ECB-3. OUTSIDE OF DRAINAGEWAY
STAKING PATTERNS BY ECB TYPE
STAKING PATTERNS BY SLOPE OR CHANNEL TYPE
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 RECP-7

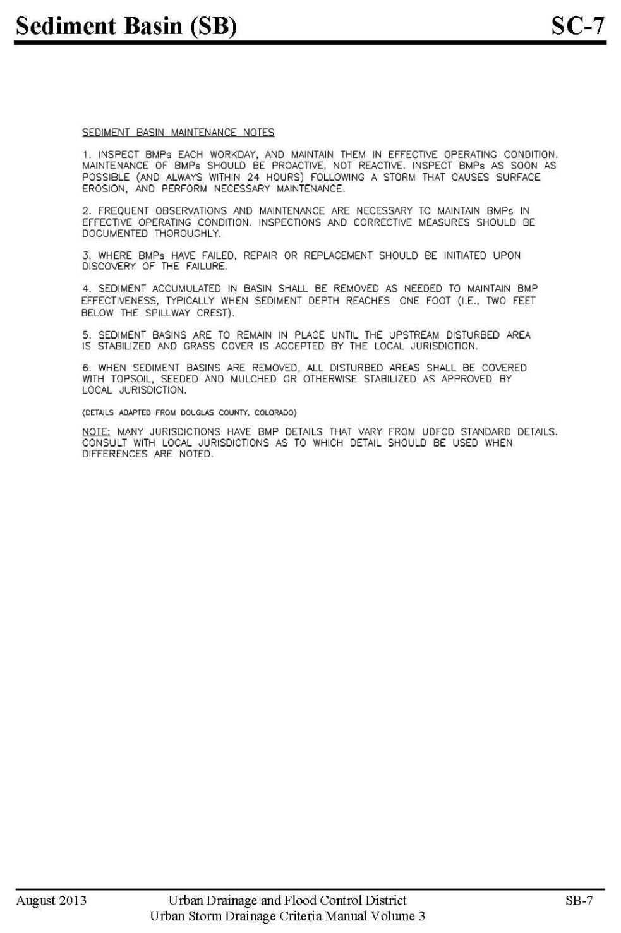

SC-1 Silt Fence (SF)
SF-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

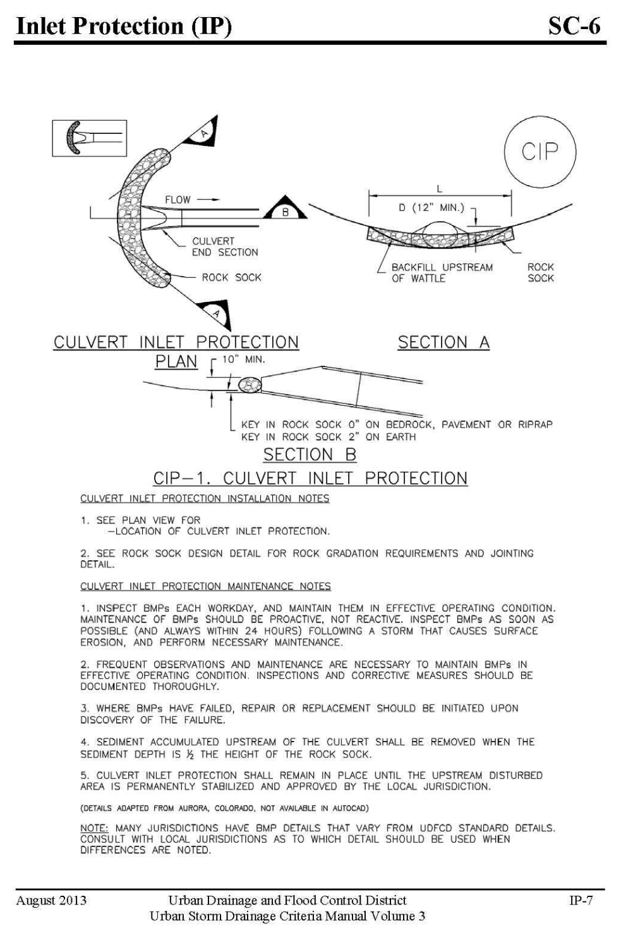

MM-2 Stockpile Management (SM)
SP-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

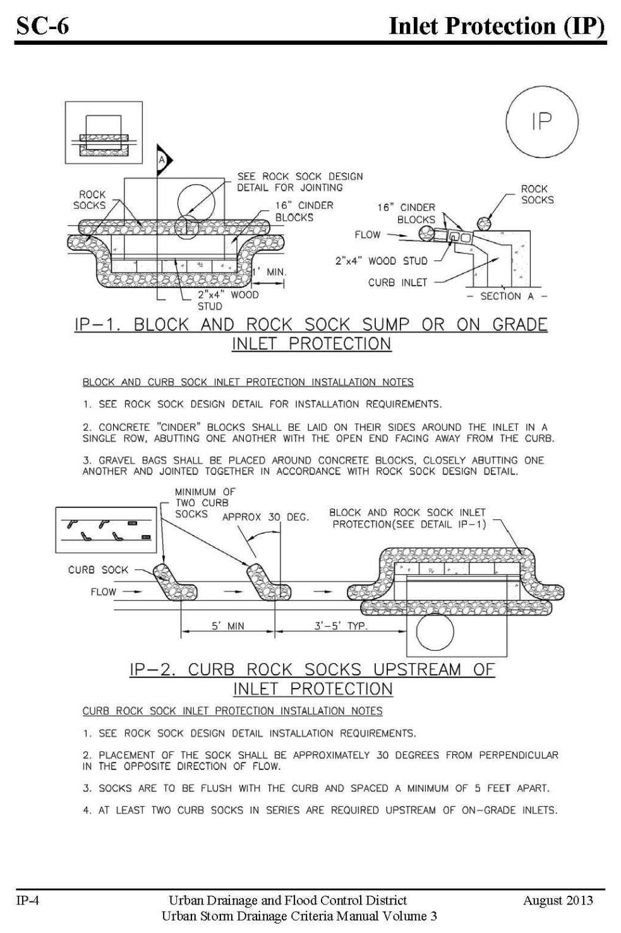

SM-6 Stabilized Staging Area (SSA)
SSA-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

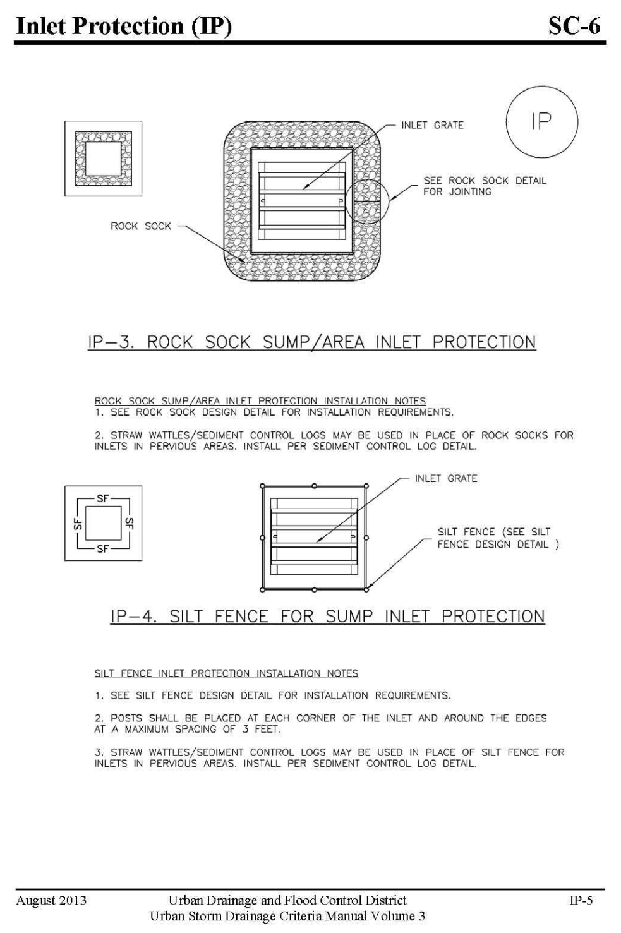

SC-2 Sediment Control Log (SCL)
SCL-5 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2015

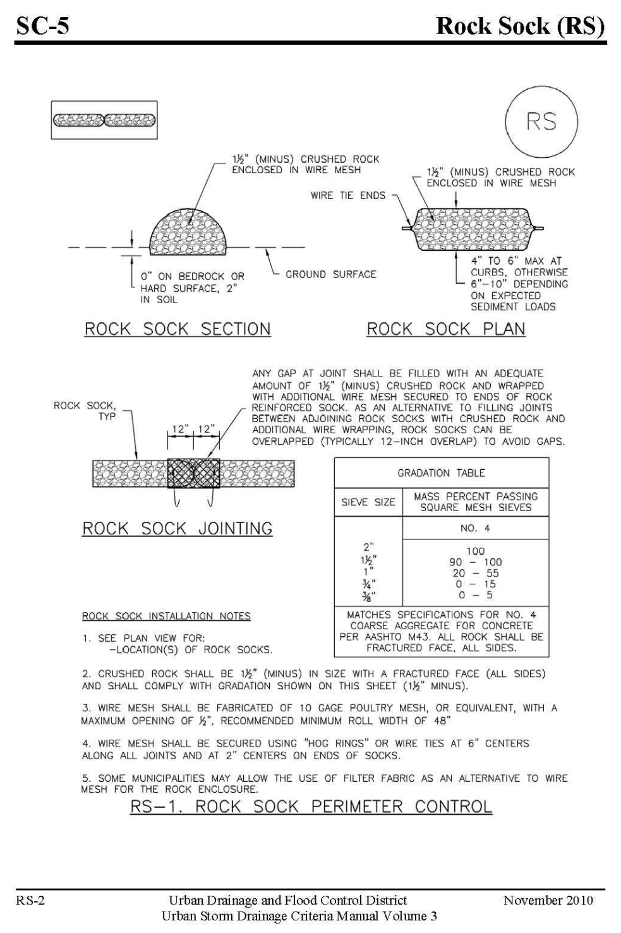

EC-1 Surface Roughening (SR)
SR-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

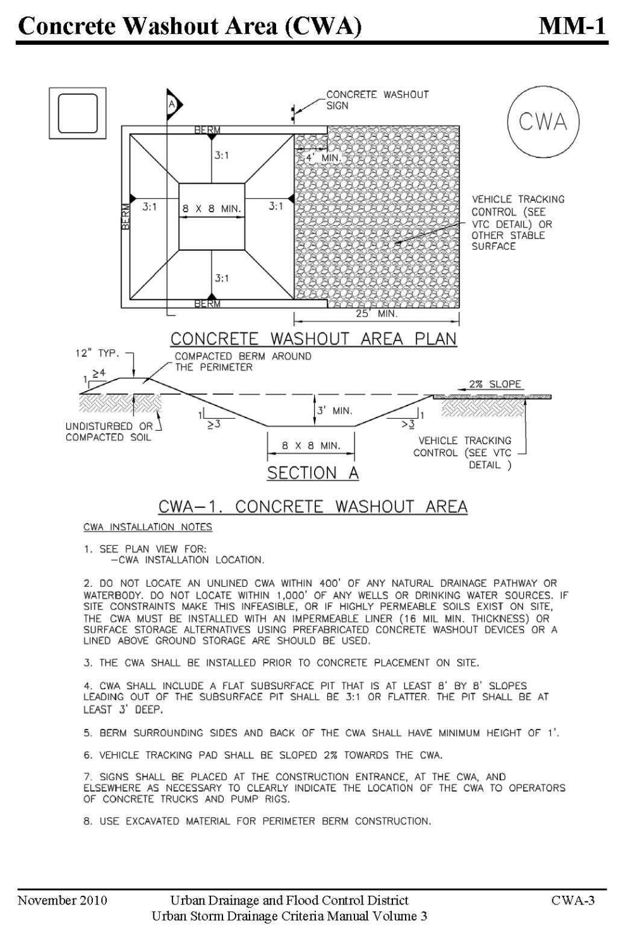

Sediment Basin (SB) SC-7
August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SB-7

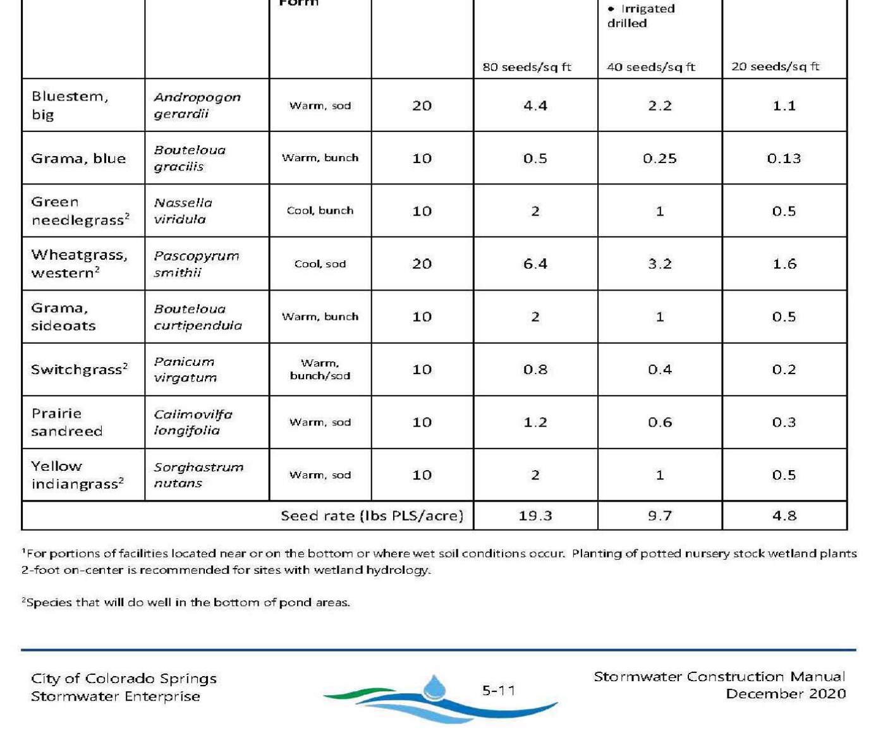

Inlet Protection (IP) SC-6
CULVERT INLET PROTECTION PLAN
SECTION A
SECTION B
CIP-1. CULVERT INLET PROTECTION
August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 IP-7


SC-6 Inlet Protection (IP)
IP-1. BLOCK AND ROCK SOCK SUMP OR ON GRADE INLET PROTECTION
IP-2. CURB ROCK SOCKS UPSTREAM OF INLET PROTECTION
IP-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 August 2013


Inlet Protection (IP) SC-6
IP-3. ROCK SOCK SUMP/AREA INLET PROTECTION
IP-4. SILT FENCE FOR SUMP INLET PROTECTION
August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 IP-5


SC-5 Rock Sock (RS)
ROCK SOCK SECTION
ROCK SOCK PLAN
ROCK SOCK JOINTING
RS-1. ROCK SOCK PERIMETER CONTROL
RS-2 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010


Concrete Washout Area (CWA) MM-1
CONCRETE WASHOUT AREA PLAN
SECTION A
CWA-1. CONCRETE WASHOUT AREA
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 CWA-3



Chapter 5
Native Vegetation Requirements and Guidelines

Table 5-1. El Paso County Conservation District All-Purpose Mix for Upland, Transition and Permanent Control Measure Areas

Common Name	Scientific Name	Growth Season / Form	% of Mix	Pounds PLS • Irrigated broadcast • Irrigated hydroseeded 80 seeds/sq ft	 • Non-irrigated broadcast • Non-irrigated hydroseeded • Irrigated drilled 40 seeds/sq ft	 • Non-irrigated drilled 20 seeds/sq ft
Bluestem, big	*Andropogon gerardii*	Warm, sod	20	4.4	2.2	1.1
Grama, blue	*Bouteloua gracilis*	Warm, bunch	10	0.5	0.25	0.13
Green needlegrass[2]	*Nassella viridula*	Cool, bunch	10	2	1	0.5
Wheatgrass, western[2]	*Pascopyrum smithii*	Cool, sod	20	6.4	3.2	1.6
Grama, sideoats	*Bouteloua curtipendula*	Warm, bunch	10	2	1	0.5
Switchgrass[2]	*Panicum virgatum*	Warm, bunch/sod	10	0.8	0.4	0.2
Prairie sandreed	*Calimovilfa longifolia*	Warm, sod	10	1.2	0.6	0.3
Yellow indiangrass[2]	*Sorghastrum nutans*	Warm, sod	10	2	1	0.5
			Seed rate (lbs PLS/acre)	19.3	9.7	4.8

[1] For portions of facilities located near or on the bottom or where wet soil conditions occur. Planting of potted nursery stock wetland plants 2-foot on-center is recommended for sites with wetland hydrology.

[2] Species that will do well in the bottom of pond areas.

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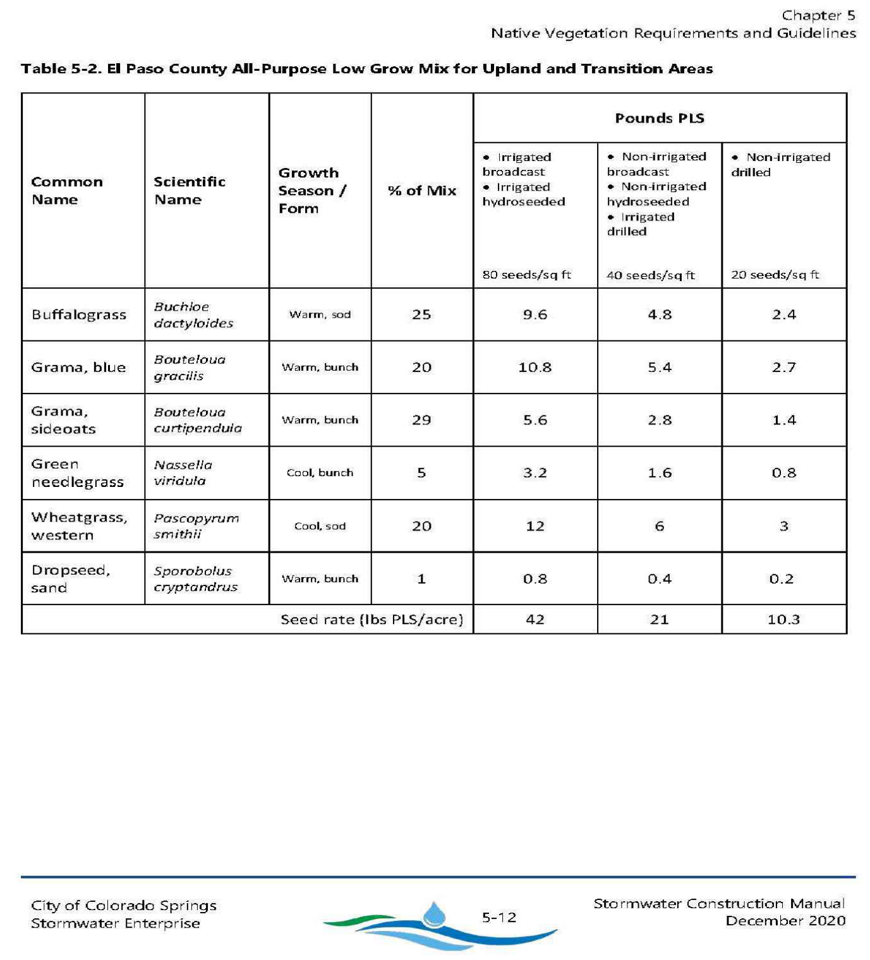

Chapter 5
Native Vegetation Requirements and Guidelines

Table 5-2. El Paso County All-Purpose Low Grow Mix for Upland and Transition Areas

Common Name	Scientific Name	Growth Season / Form	% of Mix	Pounds PLS • Irrigated broadcast • Irrigated hydroseeded 80 seeds/sq ft	 • Non-irrigated broadcast • Non-irrigated hydroseeded • Irrigated drilled 40 seeds/sq ft	 • Non-irrigated drilled 20 seeds/sq ft
Buffalograss	*Buchloe dactyloides*	Warm, sod	25	9.6	4.8	2.4
Grama, blue	*Bouteloua gracilis*	Warm, bunch	20	10.8	5.4	2.7
Grama, sideoats	*Bouteloua curtipendula*	Warm, bunch	29	5.6	2.8	1.4
Green needlegrass	*Nassella viridula*	Cool, bunch	5	3.2	1.6	0.8
Wheatgrass, western	*Pascopyrum smithii*	Cool, sod	20	12	6	3
Dropseed, sand	*Sporobolus cryptandrus*	Warm, bunch	1	0.8	0.4	0.2
			Seed rate (lbs PLS/acre)	42	21	10.3

City of Colorado Springs
Stormwater Enterprise
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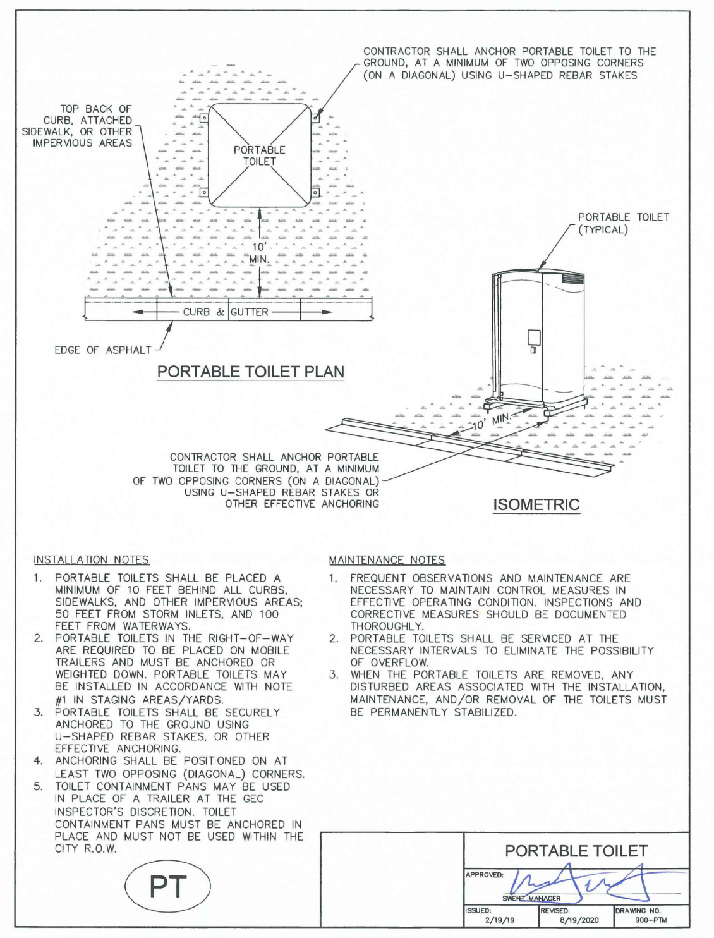
Stormwater Construction Manual
December 2020

BASIC GRADING, EROSION AND STORMWATER QUALITY REQUIREMENTS AND GENERAL PROHIBITIONS:

*INFORMATION TAKEN FROM THE EL PASO COUNTY DRAINAGE CRITERIA MANUAL VOLUME 2, HEREIN REFERRED TO AS THE "MANUAL."

1. STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS.
2. CONCRETE WASH WATER SHALL NOT BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM FACILITIES.
3. BUILDING, CONSTRUCTION, EXCAVATION, OR OTHER WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. BMP'S MAY BE REQUIRED BY COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES (E.G., ESTIMATED TIME OF EXPOSURE, SEASON OF THE YEAR, ETC.).
4. VEHICLE TRACKING OF SOILS OFF-SITE SHALL BE MINIMIZED.
5. ALL WASTES COMPOSED OF BUILDING MATERIALS MUST BE REMOVED FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
6. NO CHEMICALS ARE TO BE USED BY THE CONTRACTOR, WHICH HAVE THE POTENTIAL TO BE RELEASED IN STORMWATER UNLESS PERMISSION FOR THE USE OF A SPECIFIC CHEMICAL IS GRANTED IN WRITING BY THE COUNTY ENGINEER. IN GRANTING THE USE OF SUCH CHEMICALS, SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
7. BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS SHALL HAVE ADEQUATE PROTECTION SO AS TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING STATE WATERS, INCLUDED ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
8. ALL PERSONS ENGAGED IN EARTH DISTURBANCE SHALL IMPLEMENT AND MAINTAIN ACCEPTABLE SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING BMP'S IN CONFORMANCE WITH THE EROSION CONTROL TECHNICAL STANDARDS OF THE MANUAL AND IN ACCORDANCE WITH THE EROSION AND STORMWATER QUALITY CONTROL PLAN APPROVED THE COUNTY OF EL PASO, IF REQUIRED.
9. ALL TEMPORARY EROSION CONTROL FACILITIES INCLUDING BMP'S AND ALL PERMANENT FACILITIES INTENDED TO CONTROL EROSION OF ANY EARTH DISTURBANCE OPERATIONS, SHALL BE INSTALLED AS DEFINED IN THE APPROVED PLANS AND THE MANUAL AND MAINTAINED THROUGHOUT THE DURATION OF THE EARTH DISTURBANCE OPERATION. THE INSTALLATION OF THE FIRST LEVEL OF TEMPORARY EROSION CONTROL FACILITIES AND BMP'S SHALL BE INSTALLED AND INSPECTED PRIOR TO ANY EARTH DISTURBANCE OPERATIONS TAKING PLACE.
10. ANY EARTH DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY REDUCE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION.
11. ALL EARTH DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED IN SUCH A MANNER SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME.
12. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
13. SUSPENDED SEDIMENT CAUSED BY ACCELERATED SOIL EROSION SHALL BE MINIMIZED IN RUNOFF WATER BEFORE IT LEAVES THE SITE OF THE EARTH DISTURBANCE.
14. ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE DESIGNED TO LIMIT THE DISCHARGE TO A NON-EROSIVE VELOCITY.
15. TEMPORARY SOIL EROSION CONTROL FACILITIES SHALL BE REMOVED AND EARTH DISTURBANCE AREAS GRADED AND STABILIZED WITH PERMANENT SOIL EROSION CONTROL MEASURES PURSUANT TO THE STANDARDS AND SPECIFICATIONS PRESCRIBED IN THE MANUAL, AND IN ACCORDANCE WITH THE PERMANENT EROSION CONTROL FEATURES SHOWN ON THE EROSION AND STORMWATER QUALITY CONTROL PLANS APPROVED BY THE COUNTY OF EL PASO, IF REQUIRED.
16. SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN TWENTY-ONE (21) CALENDAR DAYS AFTER FINAL GRADING, OR FINAL EARTH DISTURBANCE, HAS BEEN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS SHALL ALSO BE MULCHED WITHIN 21 DAYS AFTER INTERIM GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAN 60 DAYS SHALL ALSO BE SEEDED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND BMP'S SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED.
17. NO PERSON SHALL CAUSE, PERMIT, OR CONTRIBUTE TO THE DISCHARGE INTO THE MUNICIPAL SEPARATE STORM SEWER POLLUTANTS THAT COULD CAUSE THE COUNTY OF EL PASO TO BE IN VIOLATION OF ITS COLORADO DISCHARGE PERMIT SYSTEM MUNICIPAL STORMWATER DISCHARGE PERMIT.
18. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, AND SAND THAT MAY ACCUMULATE IN THE STORM SEWER OR OTHER DRAINAGE CONVEYANCE SYSTEM AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
19. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER, INCLUDING THE TEMPORARY OR PERMANENT RAMPING WITH MATERIALS FOR VEHICLE ACCESS.
20. INDIVIDUALS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), REGULATIONS PROMULGATED, CERTIFICATIONS OR PERMITS ISSUED, IN ADDITION TO THE REQUIREMENTS INCLUDED IN THE MANUAL. IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND WATER QUALITY CONTROL LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL OR STATE AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
21. THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS. MATERIALS SHALL NOT BE STORED IN A LOCATION WHERE THEY MAY BE CARRIED BY STORMWATER RUNOFF INTO A STATE WATER AT ANY TIME.
22. SPILL PREVENTION AND CONTAINMENT MEASURES SHALL BE USED AT STORAGE, AND EQUIPMENT FUELING AND SERVICING AREAS TO PREVENT THE POLLUTION OF ANY STATE WATERS, INCLUDING WETLANDS. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY, OR CONTAINED UNTIL APPROPRIATE CLEANUP METHODS CAN BE EMPLOYED. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE FOLLOWED, ALONG WITH PROPER DISPOSAL METHODS.


CURB & GUTTER
EDGE OF ASPHALT
10' MIN.
CONTRACTOR SHALL ANCHOR PORTABLE TOILET TO THE GROUND, AT A MINIMUM OF TWO OPPOSING CORNERS (ON A DIAGONAL) USING U-SHAPED REBAR STAKES OR OTHER EFFECTIVE ANCHORING
PT

PORTABLE TOILET PLAN

ISOMETRIC

INSTALLATION NOTES
1. PORTABLE TOILETS SHALL BE PLACED A MINIMUM OF 10 FEET BEHIND ALL CURBS, SIDEWALKS, AND OTHER IMPERVIOUS AREAS; 50 FEET FROM STORM INLETS, AND 100 FEET FROM WATERWAYS.
2. PORTABLE TOILETS IN THE RIGHT-OF-WAY ARE REQUIRED TO BE PLACED ON MOBILE TRAILERS AND MUST BE ANCHORED OR WEIGHTED DOWN. PORTABLE TOILETS MAY BE INSTALLED IN ACCORDANCE WITH NOTE #1 IN STAGING AREAS/YARDS.
3. PORTABLE TOILETS SHALL BE SECURELY ANCHORED TO THE GROUND USING U-SHAPED REBAR STAKES, OR OTHER EFFECTIVE ANCHORING.
4. ANCHORING SHALL BE POSITIONED ON AT LEAST TWO OPPOSING (DIAGONAL) CORNERS.
5. TOILET CONTAINMENT PANS MAY BE USED IN PLACE OF A TRAILER AT THE GEC INSPECTOR'S DISCRETION. TOILET CONTAINMENT PANS MUST BE ANCHORED IN PLACE AND MUST NOT BE USED WITHIN THE CITY R.O.W.

MAINTENANCE NOTES
1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. PORTABLE TOILETS SHALL BE SERVICED AT THE NECESSARY INTERVALS TO ELIMINATE THE POSSIBILITY OF OVERFLOW.
3. WHEN THE PORTABLE TOILETS ARE REMOVED, ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE TOILETS MUST BE PERMANENTLY STABILIZED.

PORTABLE TOILET
APPROVED: SWENT MANAGER
ISSUED: 2/19/19
REVISED: 8/19/2020
DRAWING NO. 900-PTM

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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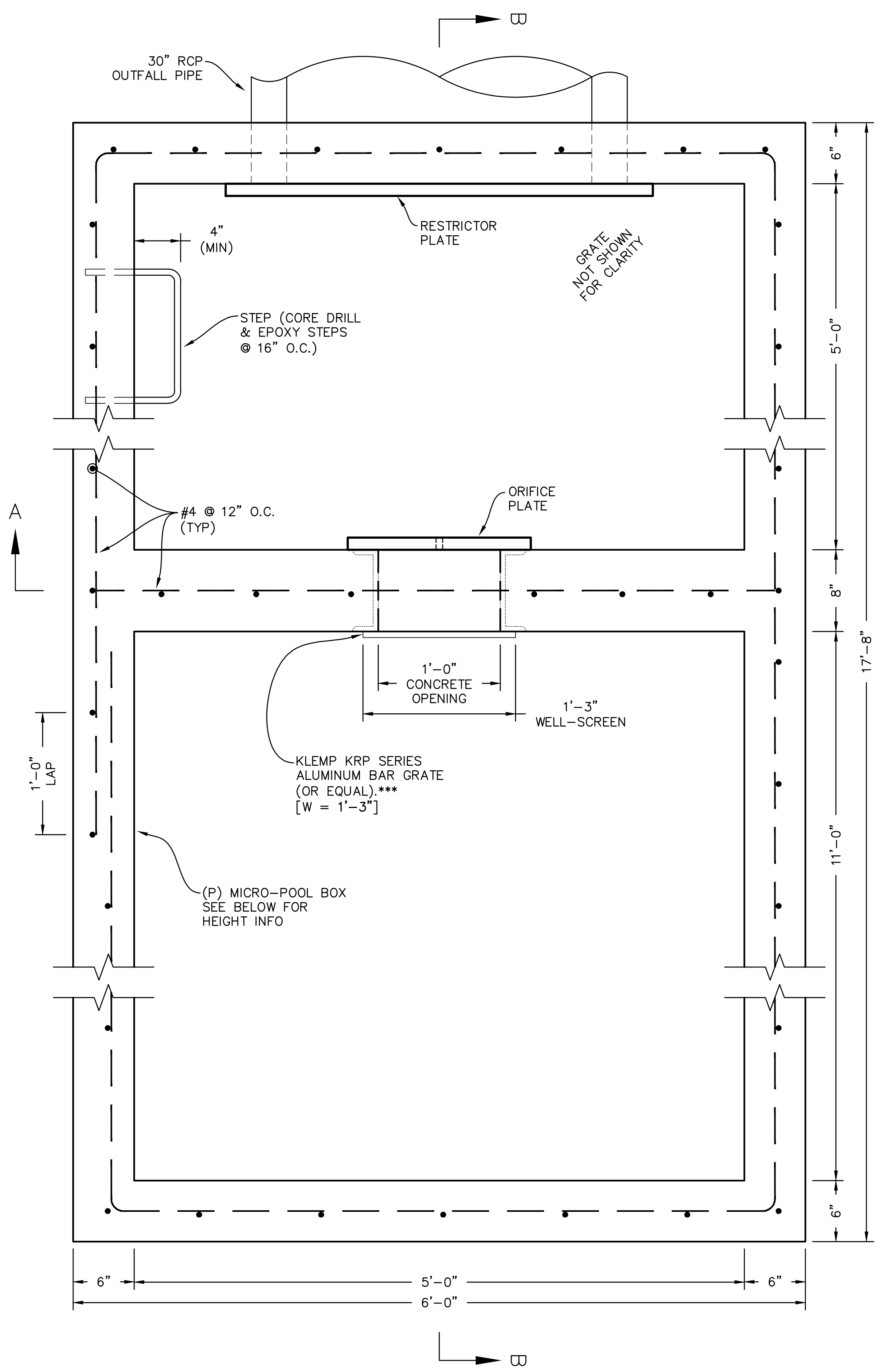
ENGINEERING
1685 W. UINTAH STREET, SUITE 114
COLORADO SPRINGS, CO 80904
(719) 291-2744

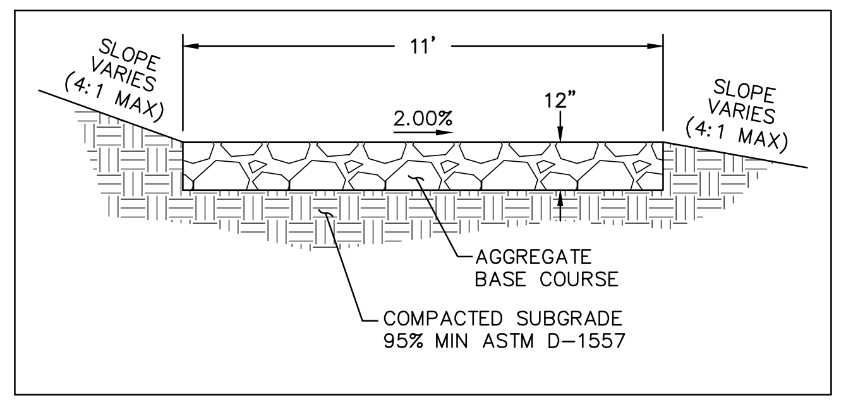
MONUMENT RIDGE EAST
FILING NO. 1
GRADING & EROSION
CONTROL DETAILS

DRAWN BY: MGP
SCALE: N/A
DATE: 04/08/25
JOB NUMBER 24-001
SHEET 4 OF 29


B
30" RCP OUTFALL PIPE
6"
RESTRICTOR PLATE
GRATE NOT SHOWN FOR CLARITY
4" (MIN)
STEP (CORE DRILL & EPOXY STEPS @ 16" O.C.)
5'-0"
A
A
#4 @ 12" O.C. (TYP)
ORIFICE PLATE
8"
17'-8"
1'-0" CONCRETE OPENING
1'-3" WELL-SCREEN
1'-0" LAP
KLEMP KRP SERIES ALUMINUM BAR GRATE (OR EQUAL).*** [W = 1'-3"]
11'-0"
(P) MICRO-POOL BOX SEE BELOW FOR HEIGHT INFO
6"
6"
5'-0"
6"
6'-0"
B

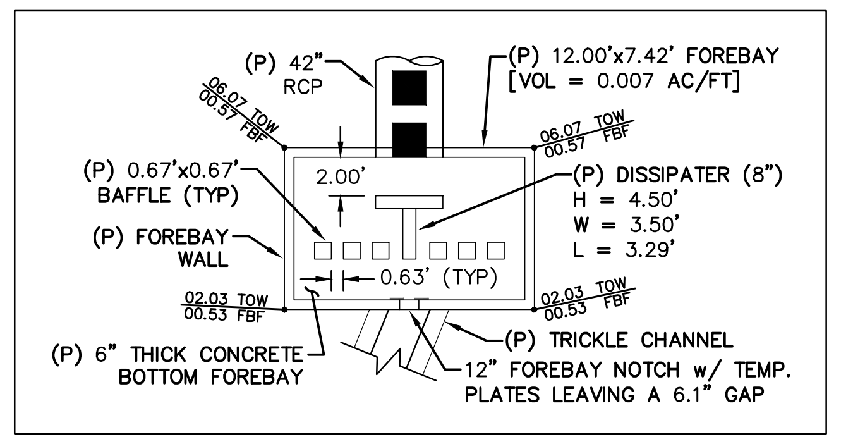
POND OUTFALL STRUCTURE - PLAN VIEW

SCALE: N.T.S.


11'
12"
SLOPE VARIES (4:1 MAX)
2.00%
SLOPE VARIES (4:1 MAX)
AGGREGATE BASE COURSE
COMPACTED SUBGRADE 95% MIN ASTM D-1557

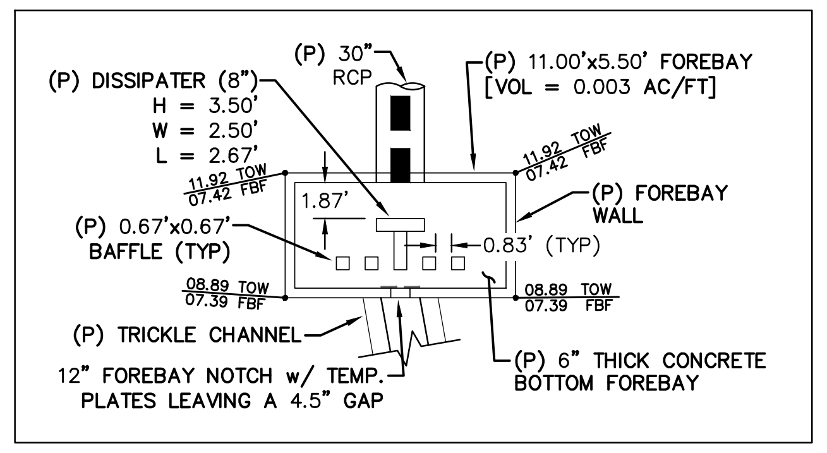
POND MAINTENANCE ACCESS DETAIL

SCALE: N.T.S.


(P) 42" RCP
(P) 12.00'x7.42' FOREBAY [VOL = 0.007 AC/FT]
06.07 TOW
00.57 FBF
06.07 TOW
00.57 FBF
2.00'
(P) 0.67'x0.67' BAFFLE (TYP)
(P) DISSIPATER (8")
H = 4.50'
W = 3.50'
L = 3.29'
(P) FOREBAY WALL
0.63' (TYP)
02.03 TOW
00.53 FBF
02.03 TOW
00.53 FBF
(P) TRICKLE CHANNEL
(P) 6" THICK CONCRETE BOTTOM FOREBAY
12" FOREBAY NOTCH w/ TEMP. PLATES LEAVING A 6.1" GAP

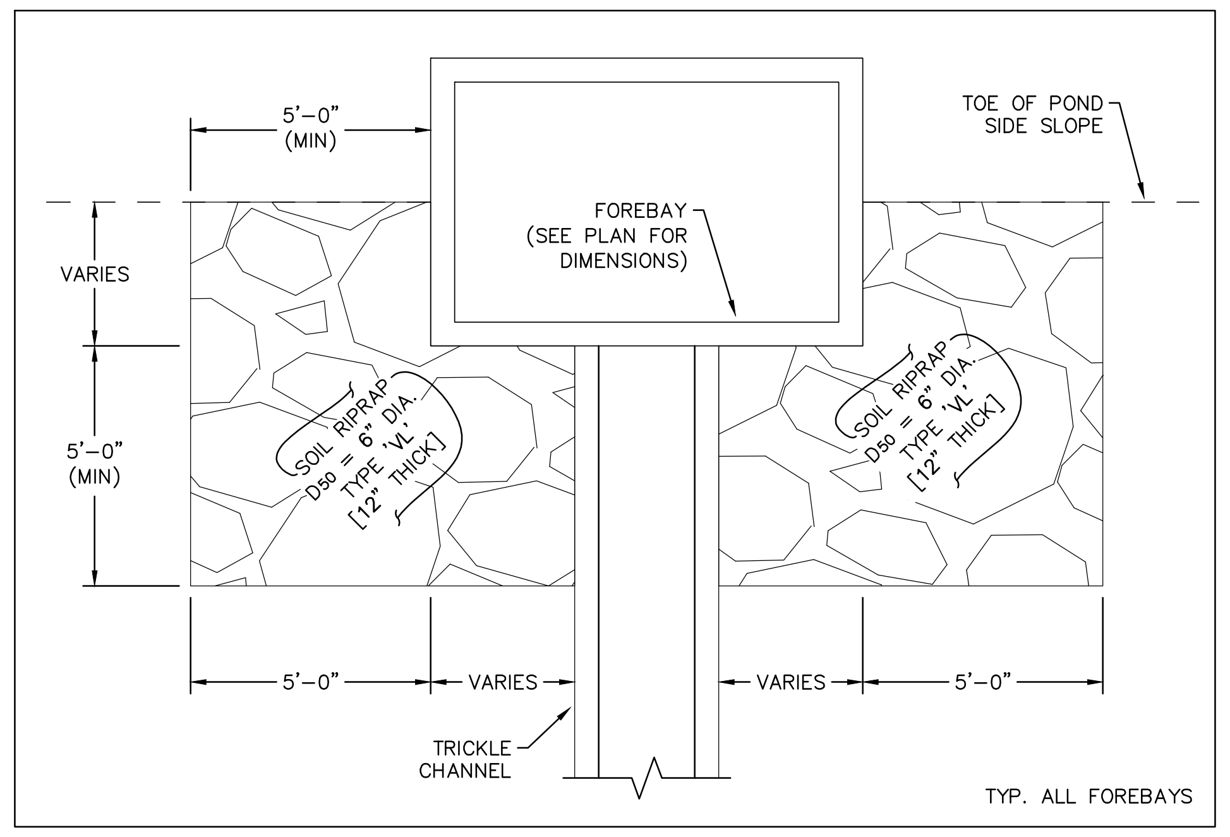
FOREBAY "1-A"

SCALE: N.T.S.


(P) 30" RCP
(P) 11.00'x5.50' FOREBAY [VOL = 0.003 AC/FT]
(P) DISSIPATER (8")
H = 3.50'
W = 2.50'
L = 2.67'
11.92 TOW
07.42 FBF
11.92 TOW
07.42 FBF
1.87'
(P) FOREBAY WALL
(P) 0.67'x0.67' BAFFLE (TYP)
0.83' (TYP)
08.89 TOW
07.39 FBF
08.89 TOW
07.39 FBF
(P) TRICKLE CHANNEL
12" FOREBAY NOTCH w/ TEMP. PLATES LEAVING A 4.5" GAP
(P) 6" THICK CONCRETE BOTTOM FOREBAY

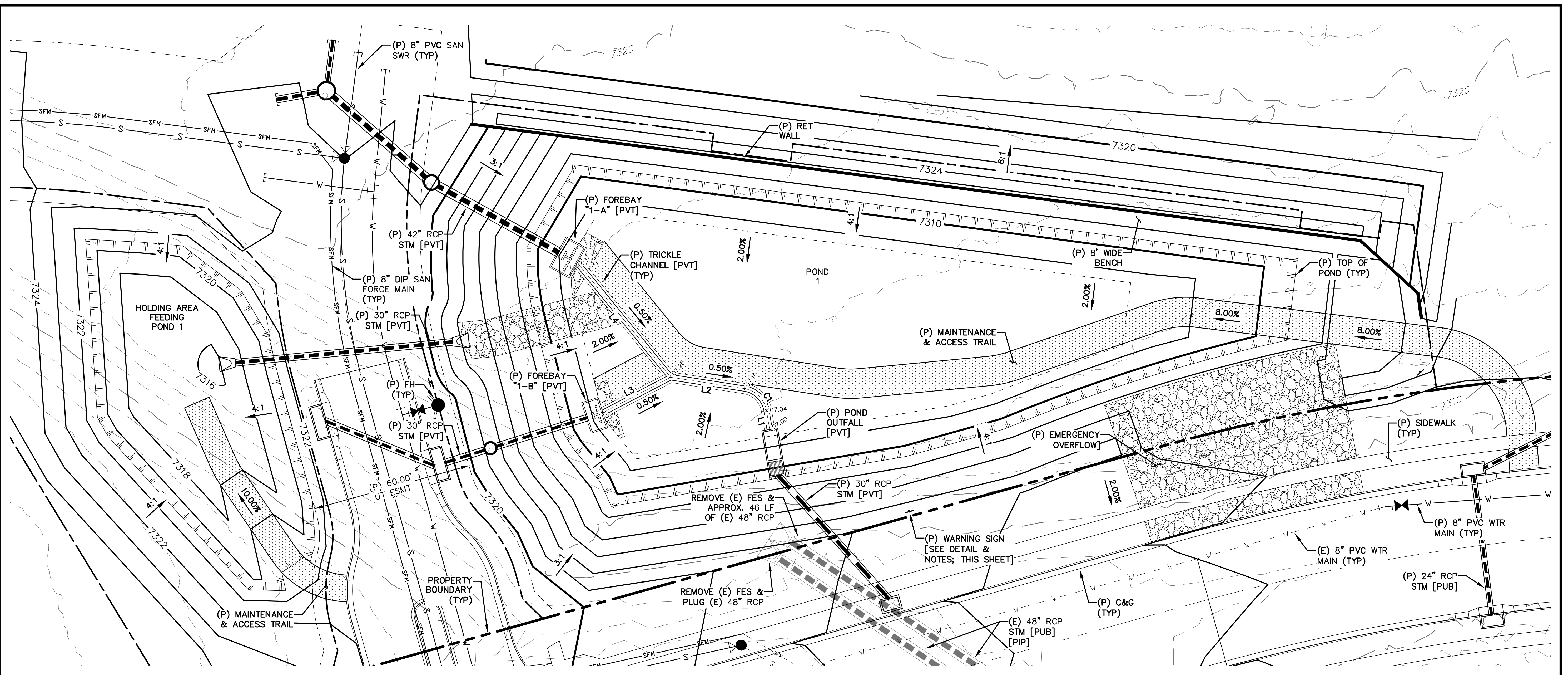
FOREBAY "1-B"

SCALE: N.T.S.


5'-0" (MIN)
TOE OF POND SIDE SLOPE
FOREBAY (SEE PLAN FOR DIMENSIONS)
VARIES
5'-0" (MIN)
SOIL RIPRAP D50 = 6" DIA. TYPE 'VL' (12" THICK)
SOIL RIPRAP D50 = 6" DIA. TYPE 'VL' (12" THICK)
5'-0"
VARIES
VARIES
5'-0"
TRICKLE CHANNEL
TYP. ALL FOREBAYS

FOREBAY OVERFLOW RIPRAP DETAIL

SCALE: N.T.S.


(P) 8" PVC SAN SWR (TYP)
7320
7320
(P) RET WALL
7320
7324
6:1
3:1
7310
4:1
(P) FOREBAY "1-A" [PVT]
(P) 42" RCP STM [PVT]
(P) TRICKLE CHANNEL [PVT] (TYP)
2.00%
POND 1
(P) 8' WIDE BENCH
(P) TOP OF POND (TYP)
2.00%
8.00%
8.00%
(P) 8" DIP SAN FORCE MAIN (TYP)
(P) 30" RCP STM [PVT]
HOLDING AREA FEEDING POND 1
7324
7322
7320
4:1
L4
0.50%
4:1
2.00%
(P) MAINTENANCE & ACCESS TRAIL
7316
(P) FOREBAY "1-B" [PVT]
L3
0.50%
L2
0.50%
C1
L1
07.04
07.00
(P) FH (TYP)
(P) 30" RCP STM [PVT]
4:1
2.00%
(P) POND OUTFALL [PVT]
(P) EMERGENCY OVERFLOW
4:1
7310
(P) SIDEWALK (TYP)
7318
10.00%
7322
(P) 60.00' UT ESMT
7320
4:1
REMOVE (E) FES & APPROX. 46 LF OF (E) 48" RCP
(P) 30" RCP STM [PVT]
2.00%
(P) 8" PVC WTR MAIN (TYP)
4:1
7322
(P) WARNING SIGN [SEE DETAIL & NOTES; THIS SHEET]
(E) 8" PVC WTR MAIN (TYP)
3:1
PROPERTY BOUNDARY (TYP)
(P) 24" RCP STM [PUB]
(P) MAINTENANCE & ACCESS TRAIL
REMOVE (E) FES & PLUG (E) 48" RCP
(P) C&G (TYP)
(E) 48" RCP STM [PUB] [PIP]
SFM
S
W

POND 1 - FULL-SPECTRUM EXTENDED DETENTION BASIN [PVT]

SCALE: 1" = 30'

LINE TABLE – CL		
LINE	BEARING	DISTANCE
L1	S80° 22' 37"W	7.21
L2	S8° 44' 31"W	27.88
L3	S27° 34' 13"E	28.65
L4	S50° 47' 06"W	55.32

CURVE TABLE – CL			
CURVE	DELTA	RADIUS	LENGTH
C1	71°38'06"	10.00	12.50

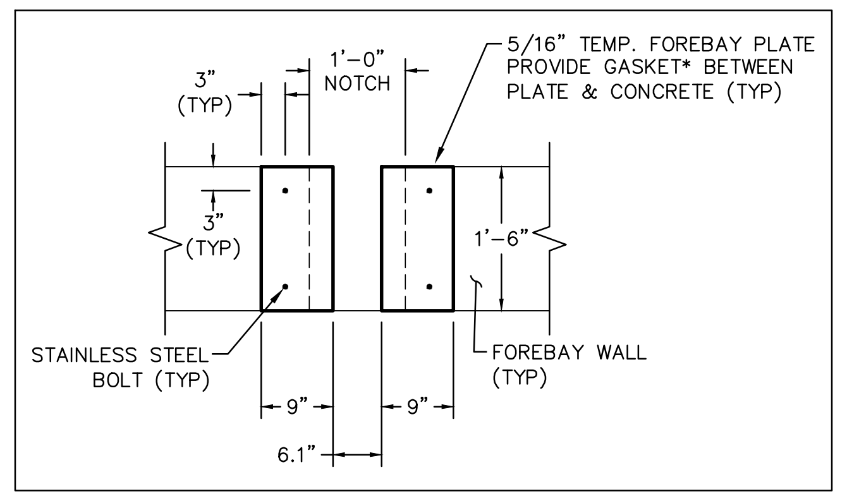
NOTES:

1. EXISTING VEGETATION SHALL REMAIN IN PLACE (IF POSSIBLE) AND SEE FINAL LANDSCAPE PLAN FOR FINAL POND REVEGETATION.
2. SLOPE POND BOTTOM 2.00% FROM TOE TO TRICKLE CHANNEL.
3. REFER TO GEOTECHNICAL ENGINEERING REPORT FOR CLAY LINER DETAILS AND SPECIFICATIONS.

N

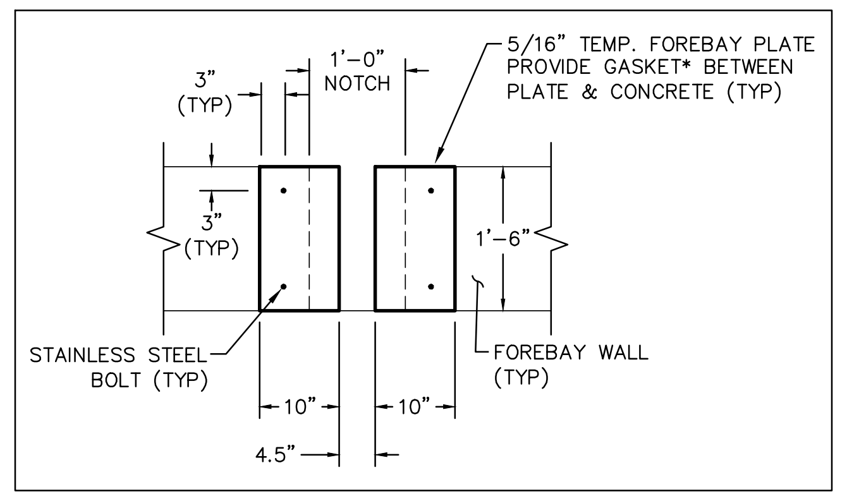
0 30 60

SCALE: 1" = 30'


3" (TYP)
1'-0" NOTCH
5/16" TEMP. FOREBAY PLATE PROVIDE GASKET* BETWEEN PLATE & CONCRETE (TYP)
3" (TYP)
1'-6"
STAINLESS STEEL BOLT (TYP)
FOREBAY WALL (TYP)
9"
9"
6.1"

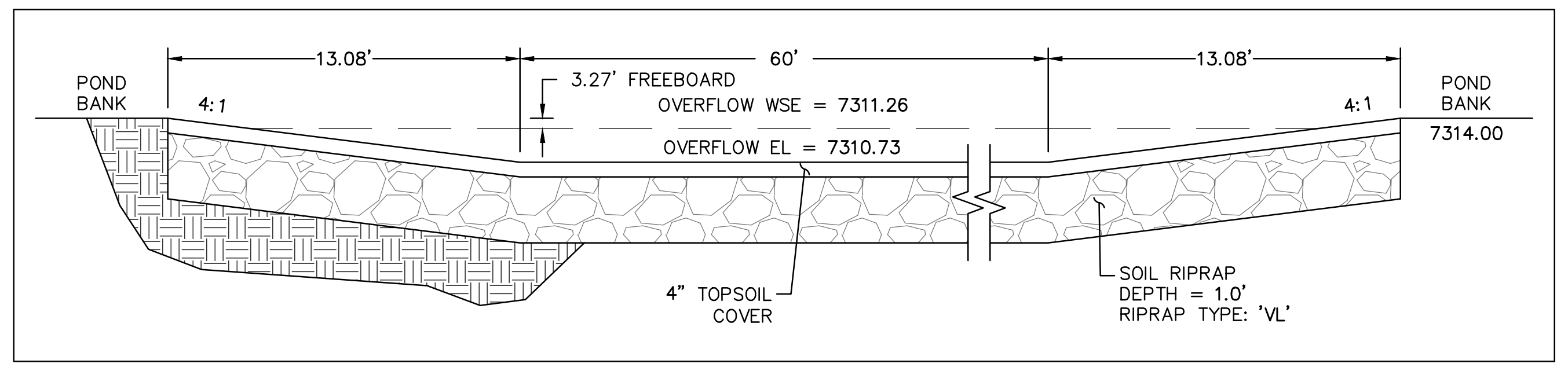
FOREBAY "1-A" TEMP. NOTCH PLATES

SCALE: N.T.S.


3" (TYP)
1'-0" NOTCH
5/16" TEMP. FOREBAY PLATE PROVIDE GASKET* BETWEEN PLATE & CONCRETE (TYP)
3" (TYP)
1'-6"
STAINLESS STEEL BOLT (TYP)
FOREBAY WALL (TYP)
10"
10"
4.5"

FOREBAY "1-B" TEMP. NOTCH PLATES

SCALE: N.T.S.

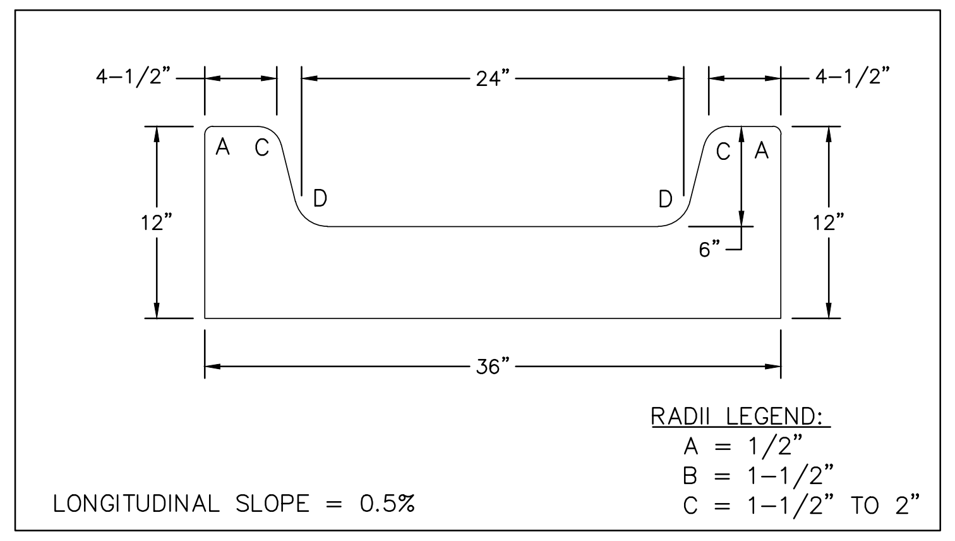

13.08'
60'
13.08'
POND BANK
4:1
3.27' FREEBOARD
OVERFLOW WSE = 7311.26
OVERFLOW EL = 7310.73
4:1
POND BANK
7314.00
4" TOPSOIL COVER
SOIL RIPRAP DEPTH = 1.0' RIPRAP TYPE: 'VL'

POND OVERFLOW WEIR DETAIL

SCALE: N.T.S.

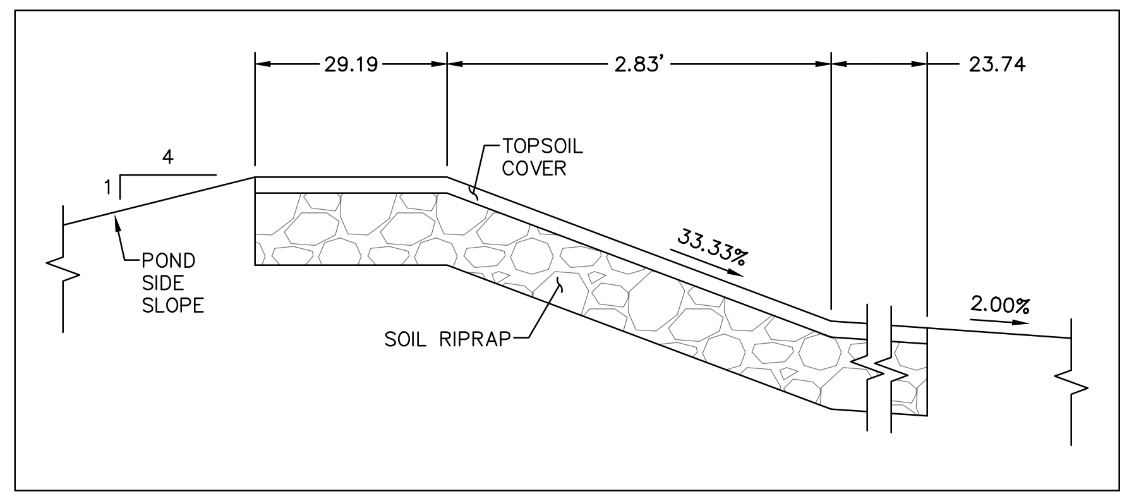
SOIL MIXING NOTE:

PER MHFD SPECIFICATION SECTION 31–37–00, THE SOIL MATERIAL SHALL BE NATIVE OR TOPSOIL MIXED WITH 65% RIPRAP AND 35% SOIL BY VOLUME. Soil RIPRAP SHALL CONSIST OF A UNIFORM MIXTURE OF SOIL AND RIPRAP WITHOUT VOIDS.


4-1/2"
24"
4-1/2"
A
C
D
D
C
A
12"
12"
6"
36"
LONGITUDINAL SLOPE = 0.5%
RADII LEGEND:
A = 1/2"
B = 1-1/2"
C = 1-1/2" TO 2"

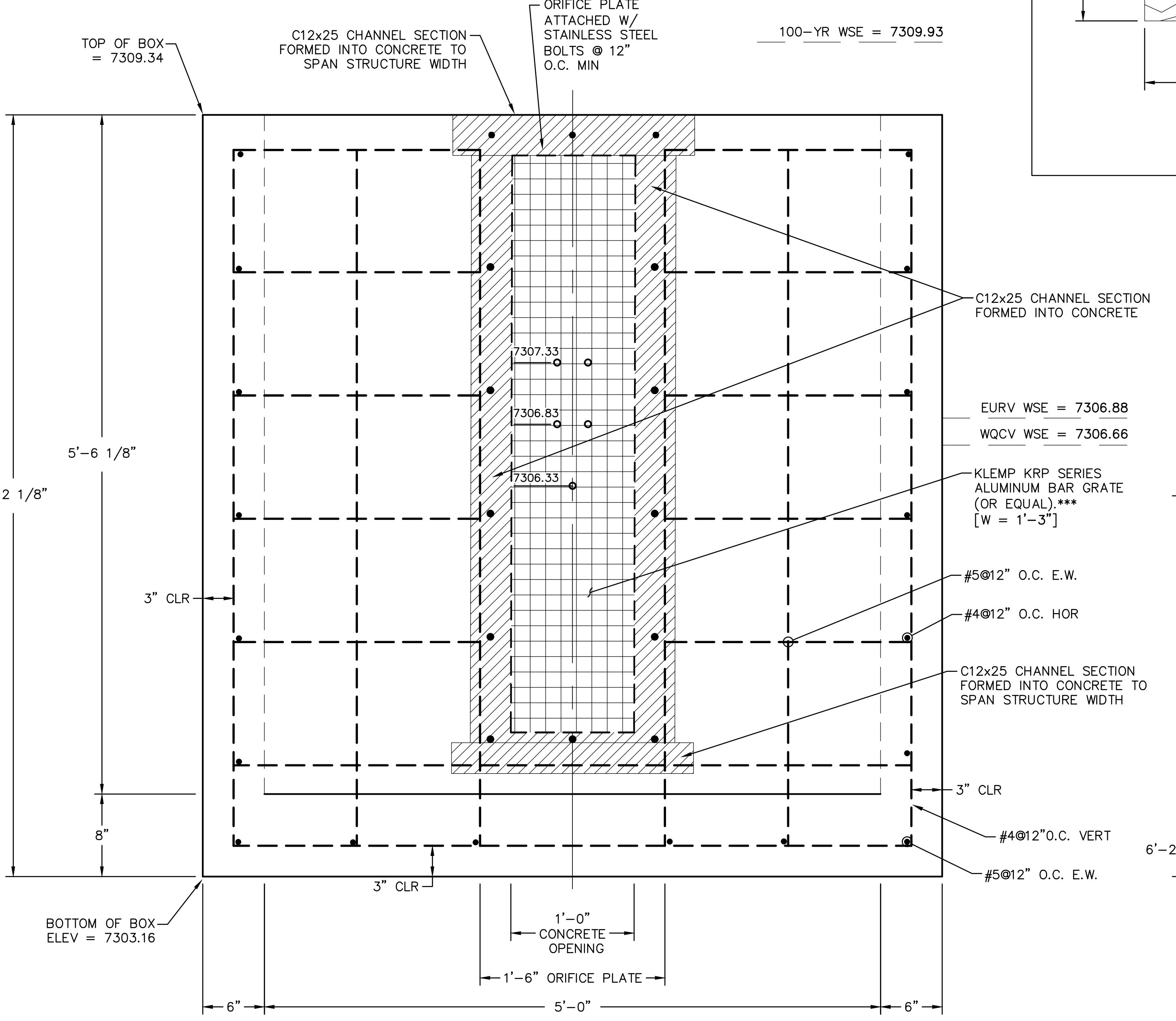
CONCRETE TRICKLE CHANNEL

SCALE: N.T.S.


29.19
2.83'
23.74
4
1
TOPSOIL COVER
33.33%
2.00%
POND SIDE SLOPE
SOIL RIPRAP

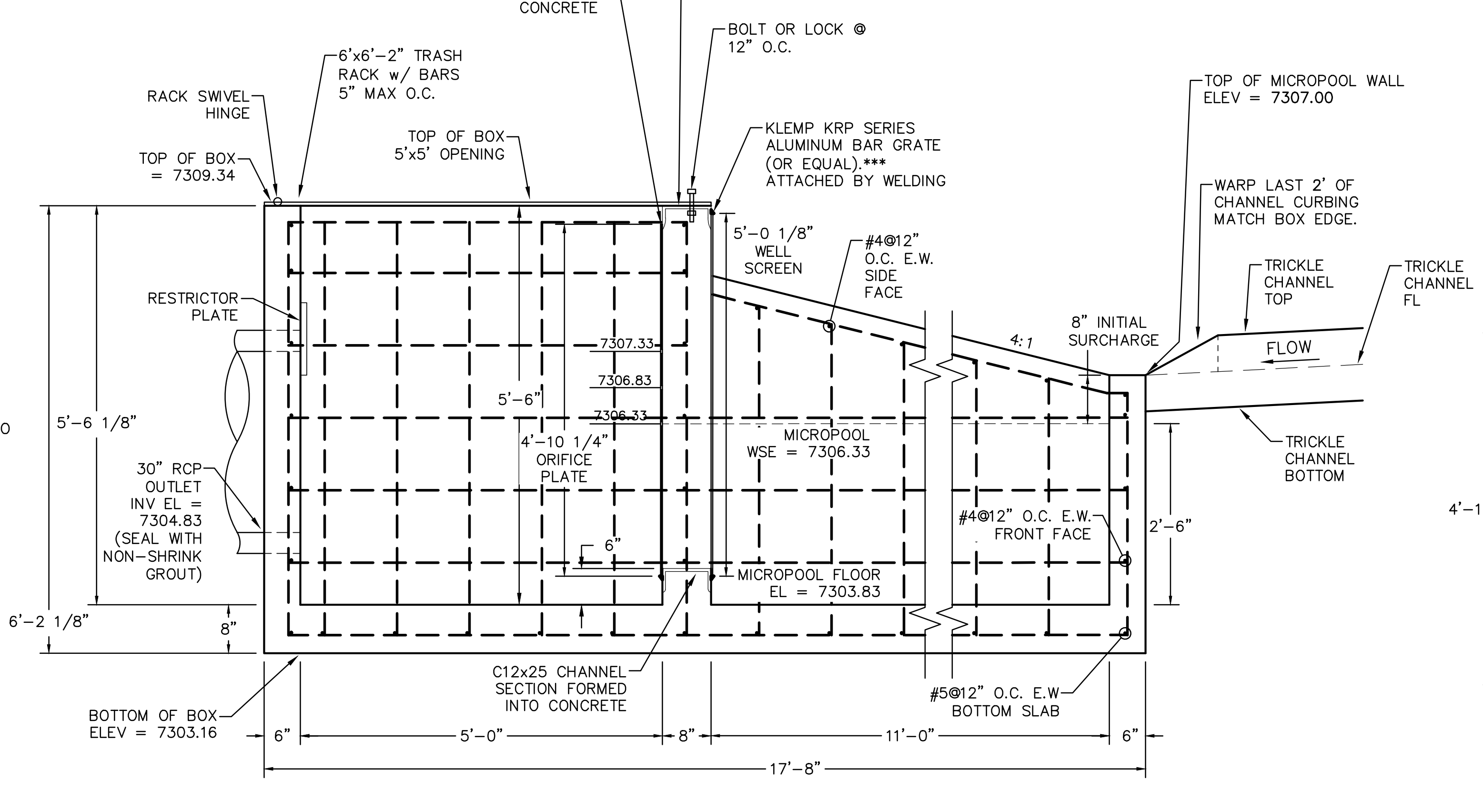
POND OVERFLOW SPILLWAY PROFILE

SCALE: N.T.S.


TOP OF BOX = 7309.34
C12x25 CHANNEL SECTION FORMED INTO CONCRETE TO SPAN STRUCTURE WIDTH
ORIFICE PLATE ATTACHED W/ STAINLESS STEEL BOLTS @ 12" O.C. MIN
100-YR WSE = 7309.93
6'-2 1/8"
5'-6 1/8"
7307.33
7306.83
7306.33
C12x25 CHANNEL SECTION FORMED INTO CONCRETE
EURV WSE = 7306.88
WQCV WSE = 7306.66
KLEMP KRP SERIES ALUMINUM BAR GRATE (OR EQUAL).*** [W = 1'-3"]
3" CLR
#5@12" O.C. E.W.
#4@12" O.C. HOR
C12x25 CHANNEL SECTION FORMED INTO CONCRETE TO SPAN STRUCTURE WIDTH
3" CLR
8"
#4@12"O.C. VERT
3" CLR
#5@12" O.C. E.W.
BOTTOM OF BOX ELEV = 7303.16
1'-0" CONCRETE OPENING
1'-6" ORIFICE PLATE
6"
5'-0"
6"

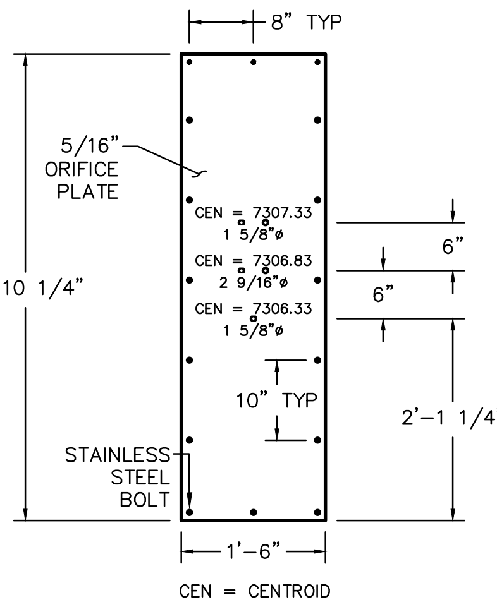
SECTION A-A

SCALE: N.T.S.


5/16" ORIFICE PLATE PROVIDE GASKET* BETWEEN PLATE & CONCRETE
C12x25 CHANNEL SECTION FORMED INTO CONCRETE
BOLT OR LOCK @ 12" O.C.
6'x6'-2" TRASH RACK w/ BARS 5" MAX O.C.
RACK SWIVEL HINGE
TOP OF MICROPOOL WALL ELEV = 7307.00
TOP OF BOX 5'x5' OPENING
KLEMP KRP SERIES ALUMINUM BAR GRATE (OR EQUAL).*** ATTACHED BY WELDING
TOP OF BOX = 7309.34
WARP LAST 2' OF CHANNEL CURBING MATCH BOX EDGE.
5'-0 1/8" WELL SCREEN
#4@12" O.C. E.W. SIDE FACE
TRICKLE CHANNEL TOP
TRICKLE CHANNEL FL
RESTRICTOR PLATE
8" INITIAL SURCHARGE
4:1
FLOW
7307.33
7306.83
5'-6"
7306.33
5'-6 1/8"
4'-10 1/4" ORIFICE PLATE
MICROPOOL WSE = 7306.33
TRICKLE CHANNEL BOTTOM
30" RCP OUTLET INV EL = 7304.83 (SEAL WITH NON-SHRINK GROUT)
#4@12" O.C. E.W. FRONT FACE
2'-6"
6"
MICROPOOL FLOOR EL = 7303.83
6'-2 1/8"
8"
C12x25 CHANNEL SECTION FORMED INTO CONCRETE
#5@12" O.C. E.W BOTTOM SLAB
BOTTOM OF BOX ELEV = 7303.16
6"
5'-0"
8"
11'-0"
6"
17'-8"

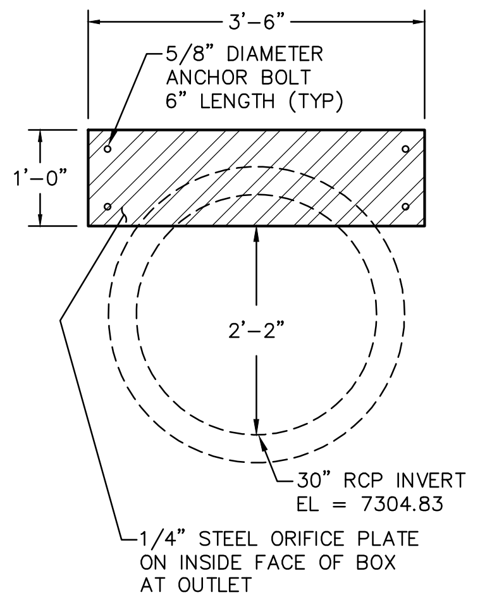
SECTION B-B

SCALE: N.T.S.


8" TYP
5/16" ORIFICE PLATE
CEN = 7307.33
1 5/8"ø
CEN = 7306.83
2 9/16"ø
CEN = 7306.33
1 5/8"ø
6"
6"
4'-10 1/4"
10" TYP
2'-1 1/4"
STAINLESS STEEL BOLT
1'-6"
CEN = CENTROID

ORIFICE PLATE - INTERIM

SCALE: N.T.S.


3'-6"
5/8" DIAMETER ANCHOR BOLT 6" LENGTH (TYP)
1'-0"
2'-2"
30" RCP INVERT EL = 7304.83
1/4" STEEL ORIFICE PLATE ON INSIDE FACE OF BOX AT OUTLET

RESTRICTOR PLATE

SCALE: N.T.S.

WARNING

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

NOTES:

- SIGN SHALL BE A MINIMUM OF 3 SF.
- SIGN SHALL BE FABRICATED OF DURABLE MATERIALS SUCH AS METAL OR PLASTIC.
- SIGN SHALL HAVE RED LETTERING ON A WHITE BACKGROUND.

WARNING SIGN DETAIL

SCALE: N.T.S.

CDOT GENERAL NOTES:

1. CONCRETE SHALL BE CLASS B. INLET MAY BE CAST–IN–PLACE OR PRECAST.
2. REINFORCING BARS SHALL HAVE A MINIMUM 2 IN. CLEARANCE.
3. CONCRETE SLOPE AND DITCH PAVING SHALL CONFORM TO SECTION 507. REINFORCEMENT FOR CONCRETE SLOPE PAVING SHALL BE 6 X 6 – W1.4 X W1.4 OR 6 X 6 – W2.1 X W2.1.
4. STRUCTURAL STEEL FOR GRATES AND GRATE INSTALLATION HARDWARE SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH 712.06.
5. THE STANDARD INLET GRATES SHALL BE USED ON ALL TYPE C INLETS UNLESS CLOSE MESH GRATES ARE SPECIFIED ON THE PLANS.
6. STEPS SHALL BE PROVIDED WHEN INLET DIMENSION "H" EXCEEDS 3 FT.–6 IN. AND SHALL BE IN ACCORDANCE WITH AASHTO M 199.
7. SEE SHEET M–604–11, INLET, TYPE D, FOR REINFORCEMENT AROUND THE PIPE OPENING.

◆ CONCRETE SLOPE AND DITCH PAVING WILL BE REQUIRED WHEN SHOWN ON PLANS.

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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

* THE GASKET SHALL BE MADE OF 1/4–INCH THICK, 60 DUROMETER EPDM RUBBER IN A CONTINUOUS SHEET THE SIZE OF THE ORIFICE PLATE. THE SHEET SHALL BE PLACED BETWEEN THE ORIFICE PLATE AND THE CONCRETE WALL, WITH THE WIDTH OF THE OVERLAP BETWEEN THE PLATE AND THE CONCRETE. OPENINGS SHALL BE CUT INTO THE SHEET CORRESPONDING TO THE PLATE BOLT HOLES AND THE CONCRETE WALL OPENING, CUTS MADE EITHER BY THE CONTRACTOR IN THE FIELD OR BY THE MANUFACTURER (OR EQUIVALENT GASKET APPROVED BY EL PASO COUNTY). NOTE THAT CAULK IS NOT AN APPROVED EQUIVALENT AND WILL NOT BE ACCEPTED BY EL PASO COUNTY.

** JOHNSON VEE WIRE TYPE AND BAR GRATES SHOULD BE MANUFACTURED WITH EXTERIOR BARS IN THE VERTICAL ORIENTATION.

*** ALSO ACCEPTABLE: AMICO 19–SR–2 OR 19–SR–4 AND THE AMICO 19–W–2 OR 19–W–4.

PREPARED FOR:

MONUMENT RIDGE EAST, LLC

5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

PREPARE

RAYMO

NOT FOR CONSTRUCTION

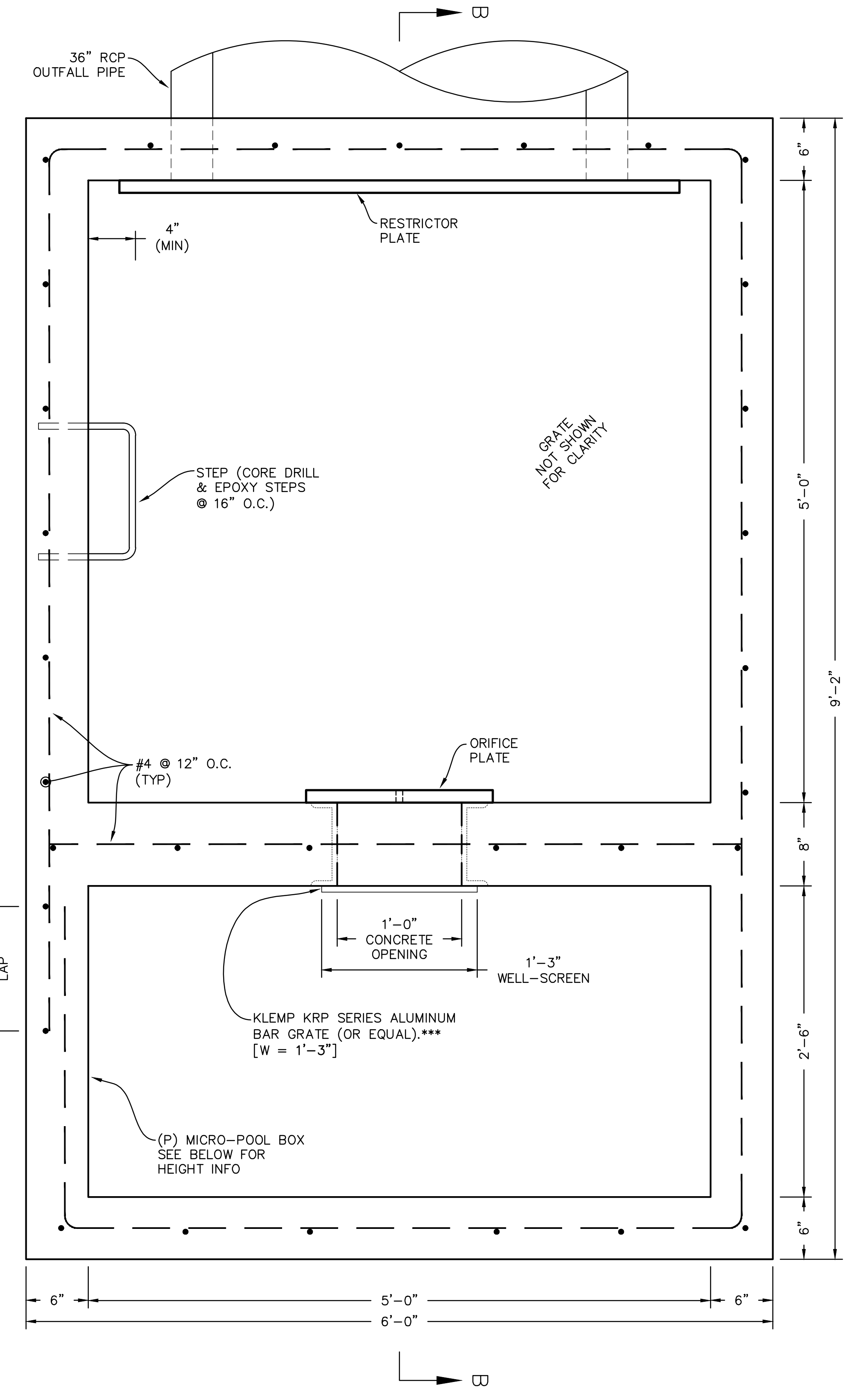
PRC
ENGINEERING
1685 W. UINTAH STREET, SUITE 114
COLORADO SPRINGS, CO 80904
(719) 291–2744

MONUMENT RIDGE EAST
FILING NO. 1
POND DETAIL PLANS
- POND 1 - [PVT]

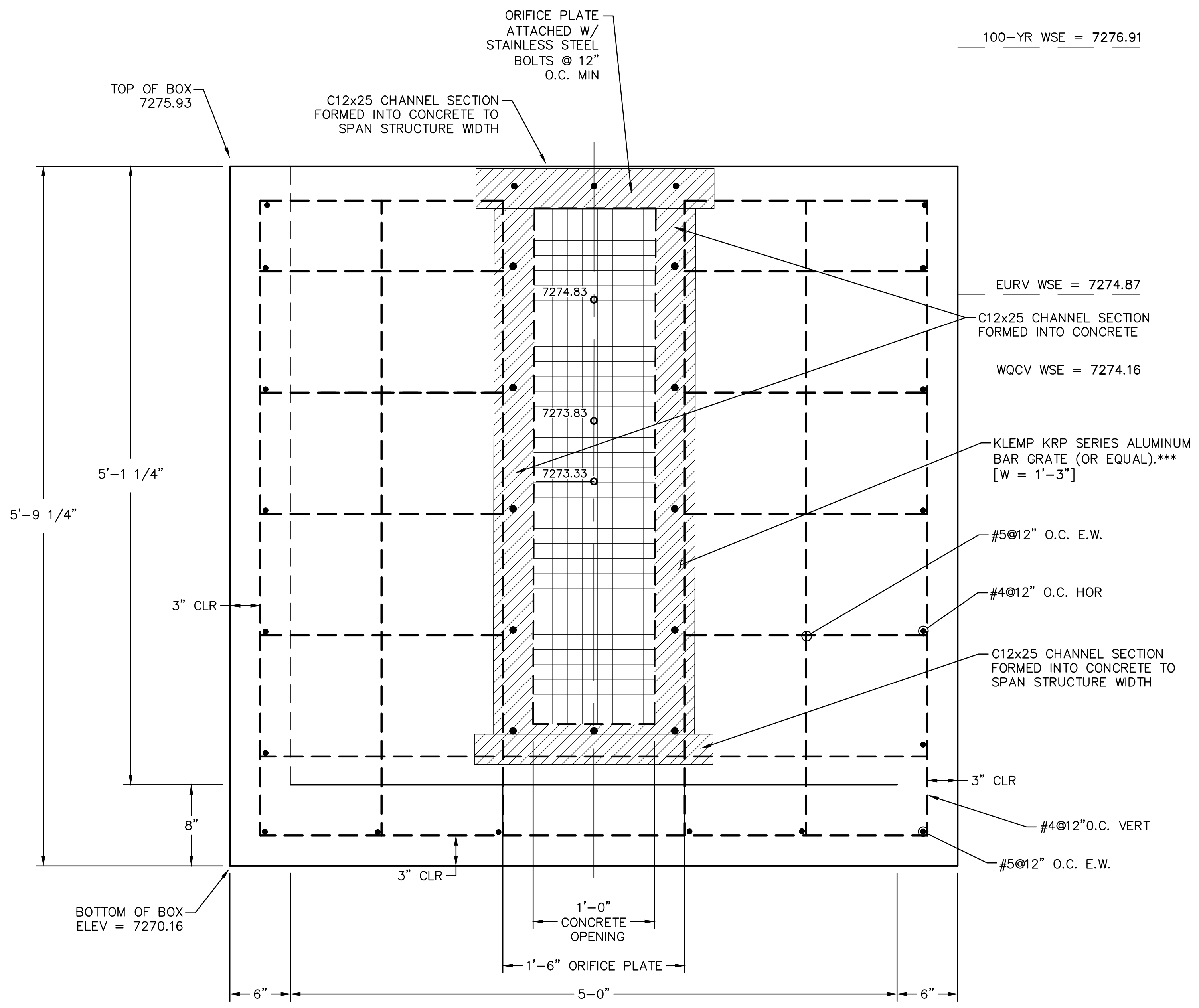
DESIGNED BY: REP	DRAWN BY: MGP
SCALE: VARIES	DATE: 04/08/25
JOB NUMBER	SHEET
24–001	5 OF 29

P:_Projects\24-001 MRE\Dwg_CDs\Ph1\24-001-CDs-05-PCM – Pond 1 – Pond 1 – Saturday, July 11, 2026 2:58:16 PM – Michael Pitts

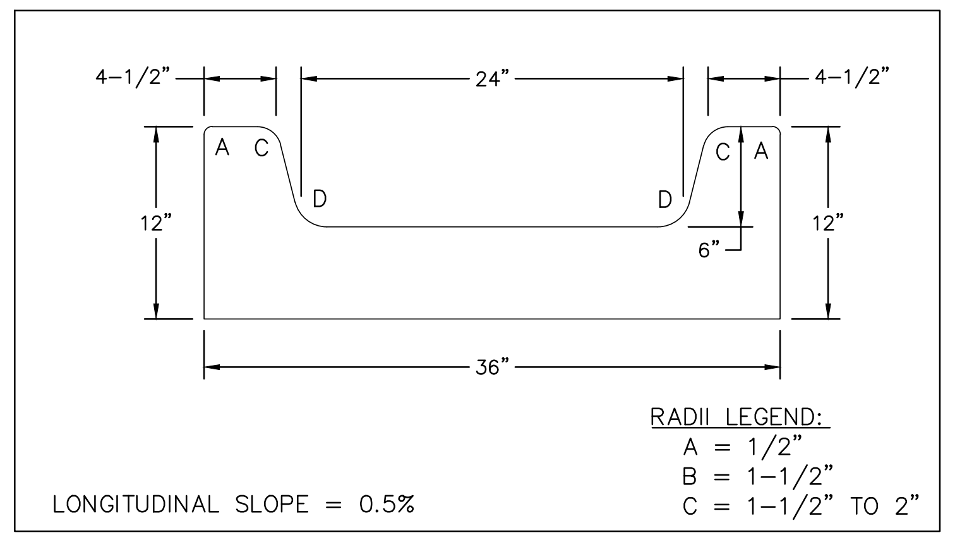
MRE\Dwg_CDs\Ph1


36" RCP OUTFALL PIPE
B
RESTRICTOR PLATE
4" (MIN)
GRATE NOT SHOWN FOR CLARITY
STEP (CORE DRILL & EPOXY STEPS @ 16" O.C.)
A
#4 @ 12" O.C. (TYP)
ORIFICE PLATE
1'-0" LAP
1'-0" CONCRETE OPENING
1'-3" WELL-SCREEN
KLEMP KRP SERIES ALUMINUM BAR GRATE (OR EQUAL).*** [W = 1'-3"]
(P) MICRO-POOL BOX SEE BELOW FOR HEIGHT INFO
6"
5'-0"
8"
2'-6"
9'-2"
6'-0"

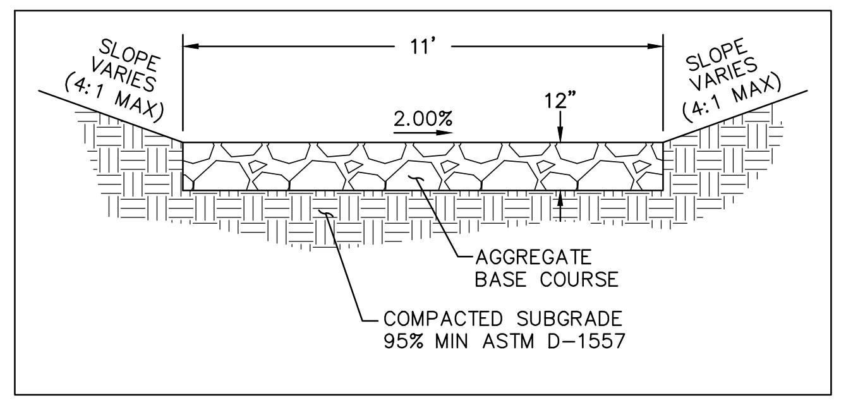
POND OUTFALL STRUCTURE - PLAN VIEW
SCALE: N.T.S.


ORIFICE PLATE ATTACHED W/ STAINLESS STEEL BOLTS @ 12" O.C. MIN
TOP OF BOX 7275.93
C12x25 CHANNEL SECTION FORMED INTO CONCRETE TO SPAN STRUCTURE WIDTH
100-YR WSE = 7276.91
EURV WSE = 7274.87
C12x25 CHANNEL SECTION FORMED INTO CONCRETE
WQCV WSE = 7274.16
7274.83
7273.83
7273.33
KLEMP KRP SERIES ALUMINUM BAR GRATE (OR EQUAL).*** [W = 1'-3"]
#5@12" O.C. E.W.
#4@12" O.C. HOR
C12x25 CHANNEL SECTION FORMED INTO CONCRETE TO SPAN STRUCTURE WIDTH
5'-9 1/4"
5'-1 1/4"
3" CLR
8"
3" CLR
#4@12"O.C. VERT
#5@12" O.C. E.W.
BOTTOM OF BOX ELEV = 7270.16
1'-0" CONCRETE OPENING
1'-6" ORIFICE PLATE
6"
5-0"

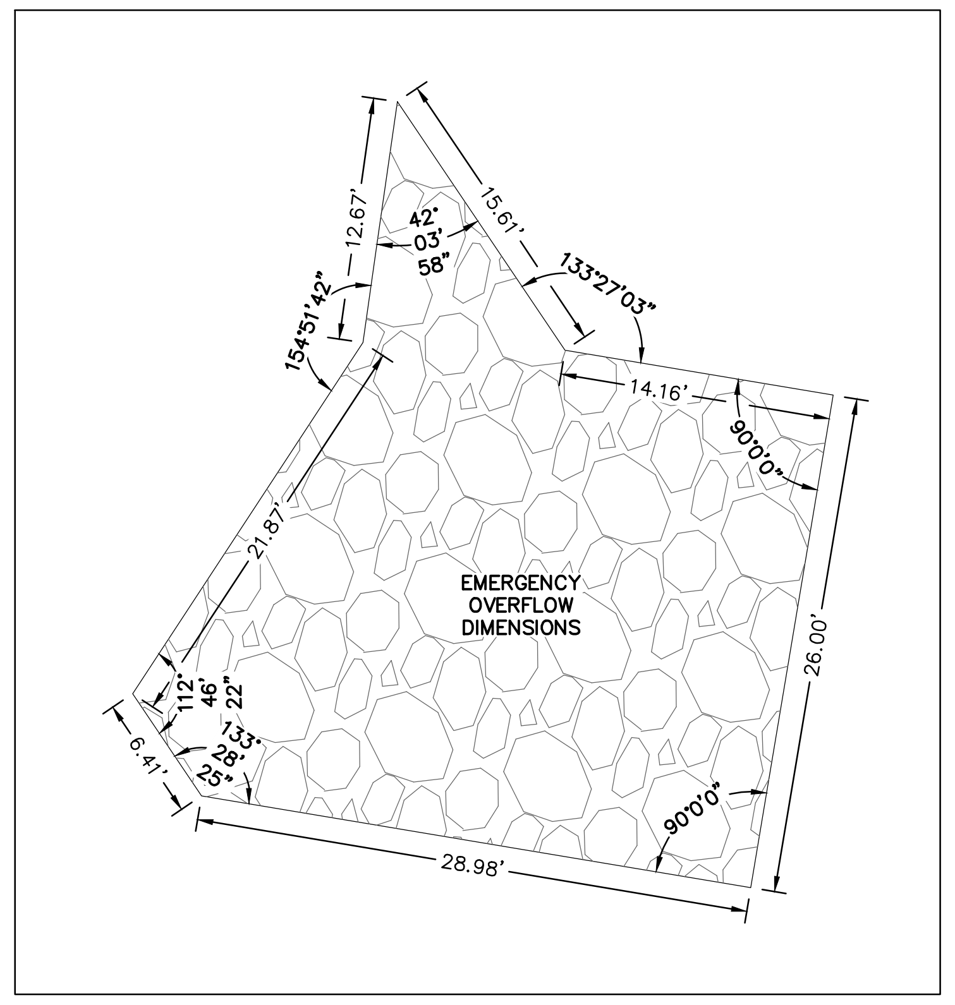
SECTION A-A
SCALE: N.T.S.


4-1/2"
24"
A C
D
12"
6"
36"
RADII LEGEND:
A = 1/2"
B = 1-1/2"
C = 1-1/2" TO 2"
LONGITUDINAL SLOPE = 0.5%

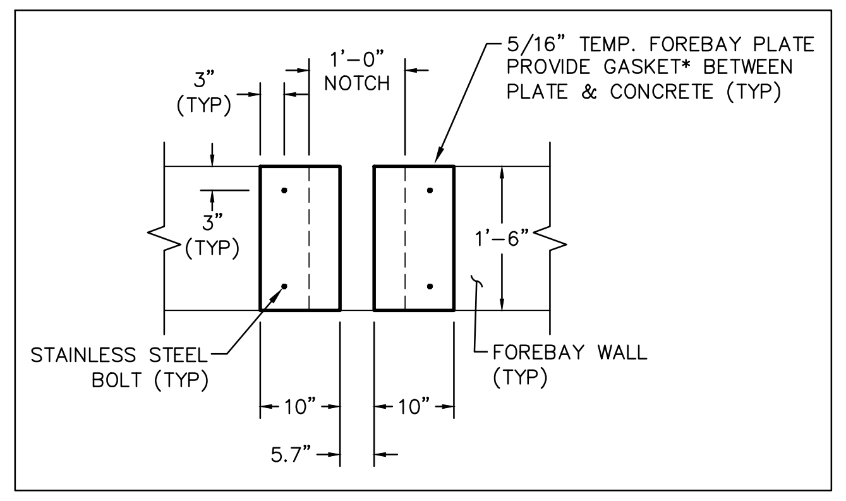
CONCRETE TRICKLE CHANNEL
SCALE: N.T.S.


SLOPE VARIES (4:1 MAX)
11'
2.00%
12"
AGGREGATE BASE COURSE
COMPACTED SUBGRADE 95% MIN ASTM D-1557

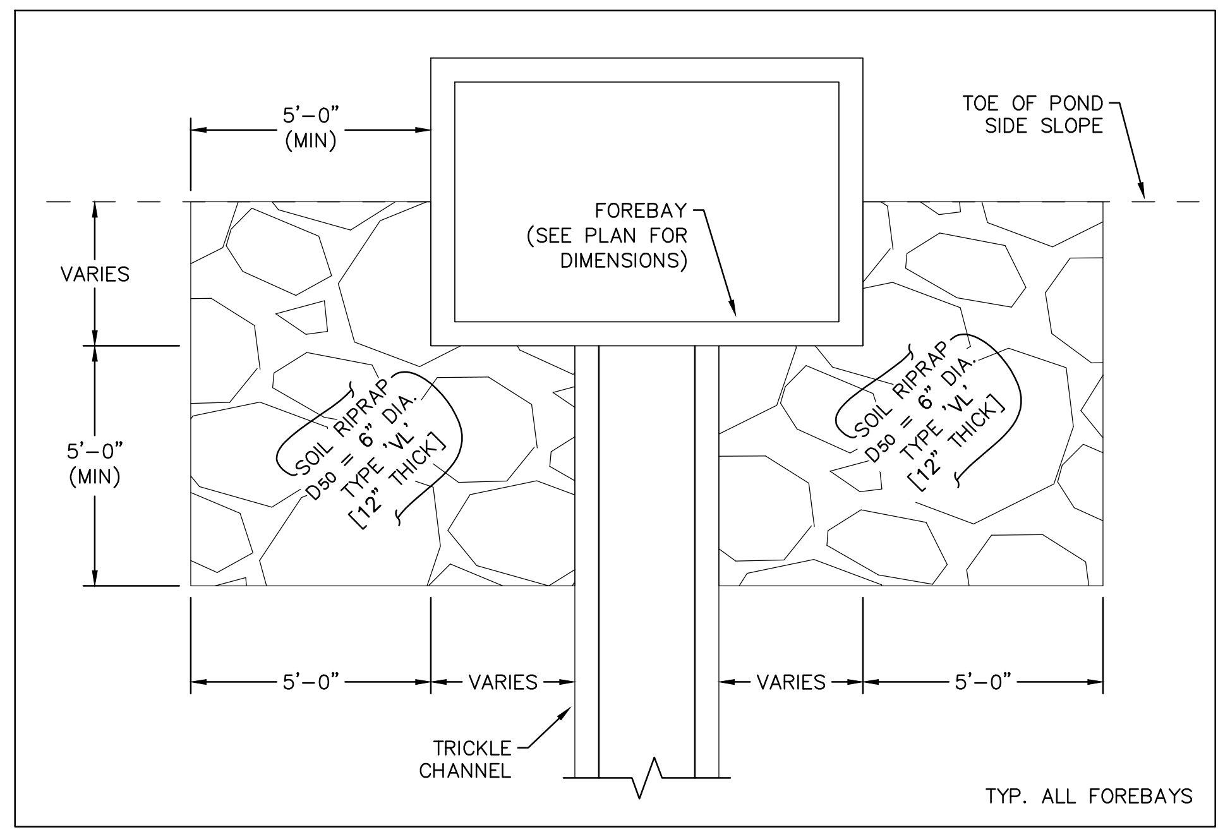
POND MAINTENANCE ACCESS DETAIL
SCALE: N.T.S.


12.67'
15.61'
42° 03' 58"
154°51'42"
133°27'03"
14.16'
90°0'0"
21.87'
EMERGENCY OVERFLOW DIMENSIONS
26.00'
112° 46' 22"
133° 28' 25"
6.41'
90°0'0"
28.98'

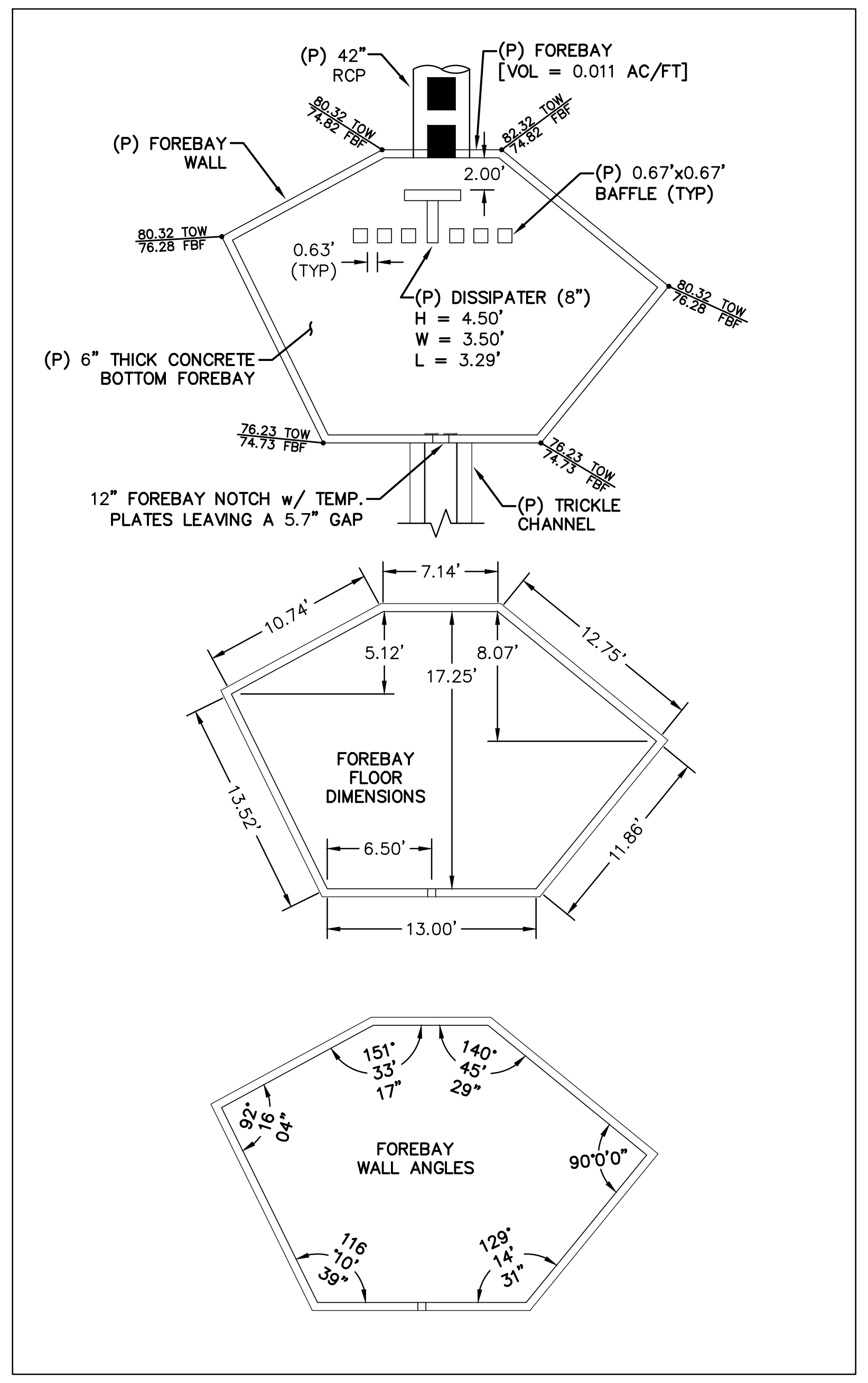
EMERGENCY OVERFLOW DIMENSIONS
SCALE: N.T.S.


3" (TYP)
1'-0" NOTCH
5/16" TEMP. FOREBAY PLATE PROVIDE GASKET* BETWEEN PLATE & CONCRETE (TYP)
3" (TYP)
1'-6"
STAINLESS STEEL BOLT (TYP)
FOREBAY WALL (TYP)
10"
5.7"

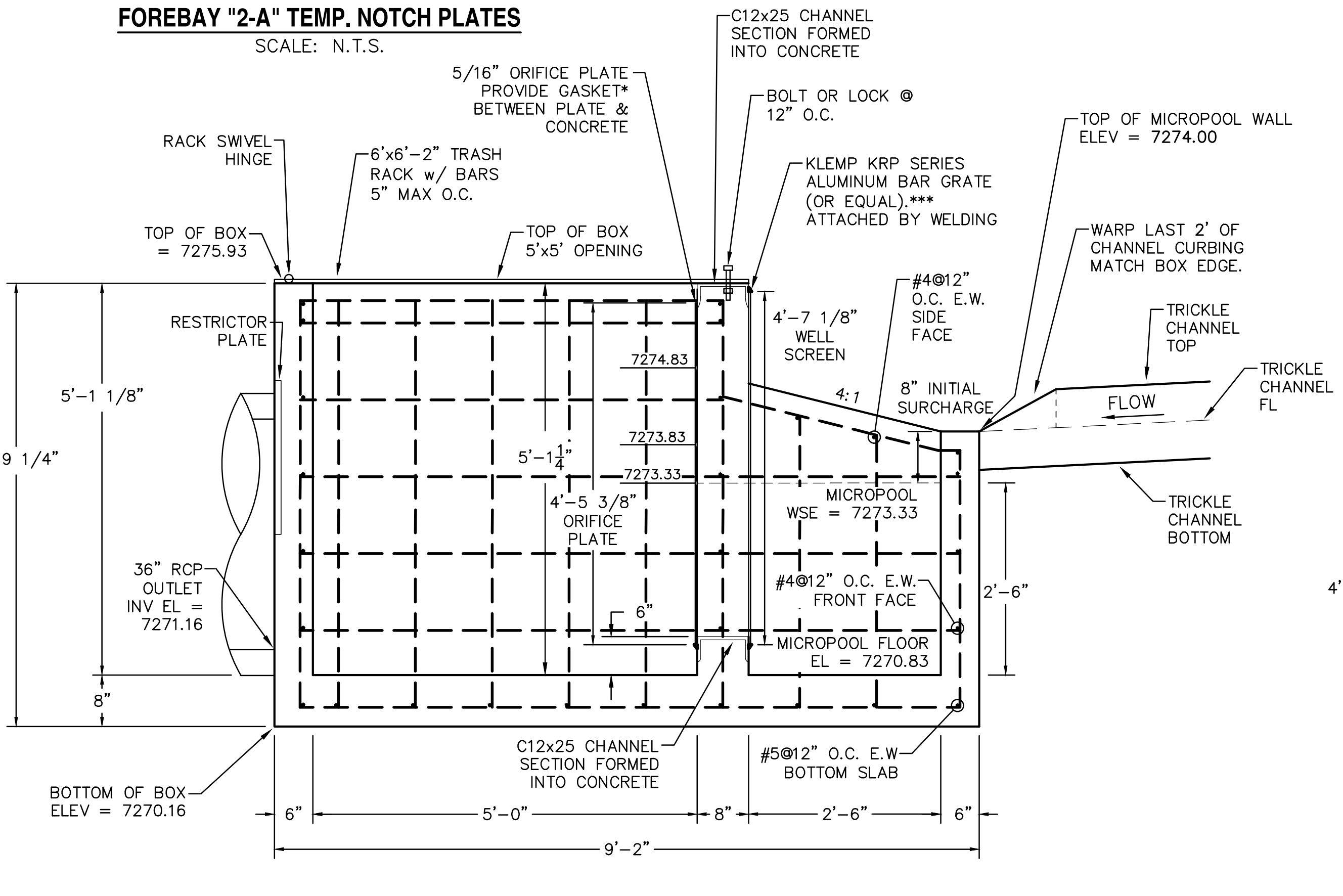
FOREBAY "2-A" TEMP. NOTCH PLATES
SCALE: N.T.S.


5'-0" (MIN)
VARIES
5'-0" (MIN)
FOREBAY (SEE PLAN FOR DIMENSIONS)
TOE OF POND SIDE SLOPE
SOIL RIPRAP D50 = 6" DIA. TYPE 'VL' [12" THICK]
5'-0"
VARIES
TRICKLE CHANNEL
TYP. ALL FOREBAYS

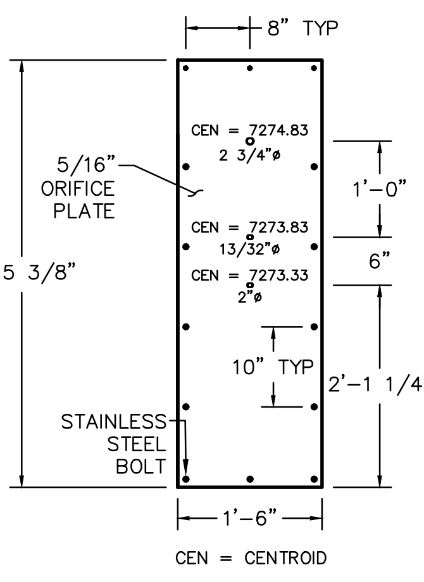
FOREBAY OVERFLOW RIPRAP DETAIL
SCALE: N.T.S.


(P) 42" RCP
(P) FOREBAY [VOL = 0.011 AC/FT]
80.32 TOW 74.82 FBF
82.32 TOW 74.82 FBF
(P) FOREBAY WALL
2.00'
(P) 0.67'x0.67' BAFFLE (TYP)
80.32 TOW 76.28 FBF
0.63' (TYP)
(P) DISSIPATER (8")
H = 4.50'
W = 3.50'
L = 3.29'
80.32 TOW 76.28 FBF
(P) 6" THICK CONCRETE BOTTOM FOREBAY
76.23 TOW 74.73 FBF
76.23 TOW 74.73 FBF
12" FOREBAY NOTCH w/ TEMP. PLATES LEAVING A 5.7" GAP
(P) TRICKLE CHANNEL
7.14'
10.74'
12.75'
5.12'
8.07'
17.25'
FOREBAY FLOOR DIMENSIONS
13.52'
11.86'
6.50'
13.00'
151° 33' 17"
140° 45' 29"
92° 16' 04"
FOREBAY WALL ANGLES
90°0'0"
116 10' 39"
129° 14' 31"

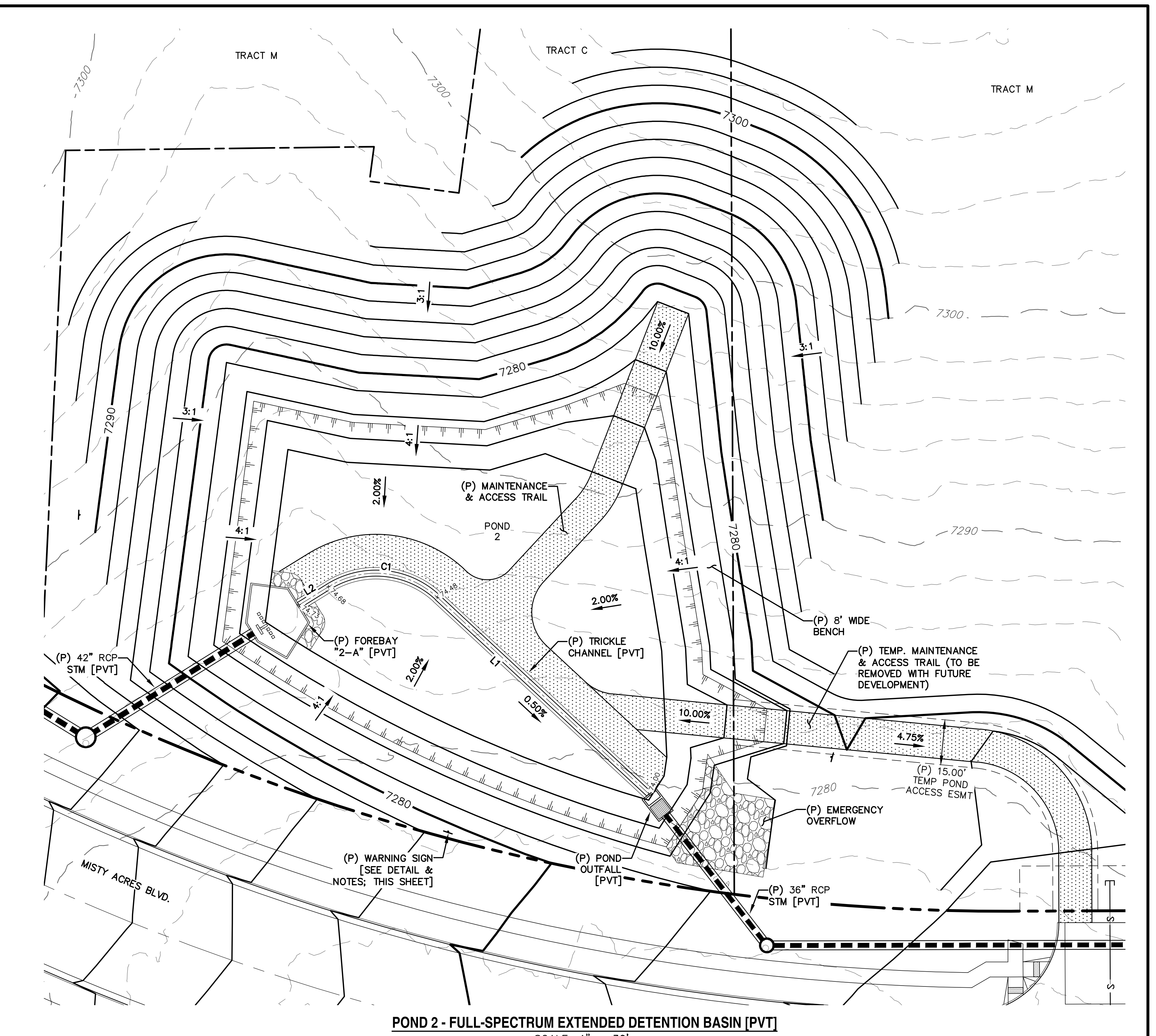
FOREBAY "2-A"
SCALE: N.T.S.


5/16" ORIFICE PLATE PROVIDE GASKET* BETWEEN PLATE & CONCRETE
C12x25 CHANNEL SECTION FORMED INTO CONCRETE
BOLT OR LOCK @ 12" O.C.
RACK SWIVEL HINGE
6'x6'-2" TRASH RACK w/ BARS 5" MAX O.C.
KLEMP KRP SERIES ALUMINUM BAR GRATE (OR EQUAL).*** ATTACHED BY WELDING
TOP OF MICROPOOL WALL ELEV = 7274.00
TOP OF BOX = 7275.93
TOP OF BOX 5'x5' OPENING
WARP LAST 2' OF CHANNEL CURBING MATCH BOX EDGE.
#4@12" O.C. E.W. SIDE FACE
RESTRICTOR PLATE
4'-7 1/8" WELL SCREEN
TRICKLE CHANNEL TOP
5'-1 1/8"
7274.83
4:1
8" INITIAL SURCHARGE
TRICKLE CHANNEL FL
FLOW
5'-9 1/4"
7273.83
5'-1 1/4"
7273.33
4'-5 3/8" ORIFICE PLATE
MICROPOOL WSE = 7273.33
TRICKLE CHANNEL BOTTOM
36" RCP OUTLET INV EL = 7271.16
#4@12" O.C. E.W. FRONT FACE
2'-6"
6"
MICROPOOL FLOOR EL = 7270.83
8"
C12x25 CHANNEL SECTION FORMED INTO CONCRETE
#5@12" O.C. E.W BOTTOM SLAB
BOTTOM OF BOX ELEV = 7270.16
6"
5'-0"
8"
2'-6"
6"
9'-2"

SECTION B-B
SCALE: N.T.S.


8" TYP
CEN = 7274.83
2 3/4"ø
5/16" ORIFICE PLATE
1'-0"
CEN = 7273.83
13/32"ø
6"
CEN = 7273.33
2"ø
4'-5 3/8"
10" TYP
2'-1 1/4"
STAINLESS STEEL BOLT
1'-6"
CEN = CENTROID

ORIFICE PLATE - INTERIM
SCALE: N.T.S.


TRACT M
TRACT C
TRACT M
7300
7300
7300
7300
3:1
3:1
10.00%
3:1
7290
7280
4:1
2.00%
(P) MAINTENANCE & ACCESS TRAIL
POND 2
7280
7290
4:1
4:1
C1
L2
2.00%
(P) FOREBAY "2-A" [PVT]
(P) TRICKLE CHANNEL [PVT]
(P) 8' WIDE BENCH
(P) 42" RCP STM [PVT]
L1
2.00%
0.50%
4:1
10.00%
(P) TEMP. MAINTENANCE & ACCESS TRAIL (TO BE REMOVED WITH FUTURE DEVELOPMENT)
4.75%
(P) 15.00' TEMP POND ACCESS ESMT
7280
7280
(P) EMERGENCY OVERFLOW
MISTY ACRES BLVD.
(P) WARNING SIGN [SEE DETAIL & NOTES; THIS SHEET]
(P) POND OUTFALL [PVT]
(P) 36" RCP STM [PVT]

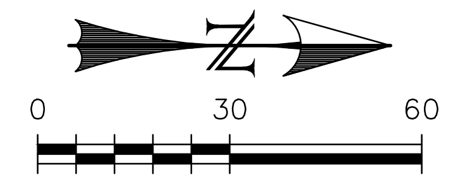
POND 2 - FULL-SPECTRUM EXTENDED DETENTION BASIN [PVT]
SCALE: 1" = 30'

NOTES:

1. EXISTING VEGETATION SHALL REMAIN IN PLACE (IF POSSIBLE) AND SEE FINAL LANDSCAPE PLAN FOR FINAL POND REVEGETATION.
2. SLOPE POND BOTTOM 2.00% FROM TOE TO TRICKLE CHANNEL.

LINE TABLE – CL		
LINE	BEARING	DISTANCE
L1	S42° 53' 06"W	96.22
L2	S31° 48' 01"E	11.58

CURVE TABLE – CL			
CURVE	DELTA	RADIUS	LENGTH
C1	74°41'06"	30.00	39.11



SCALE: 1" = 30'

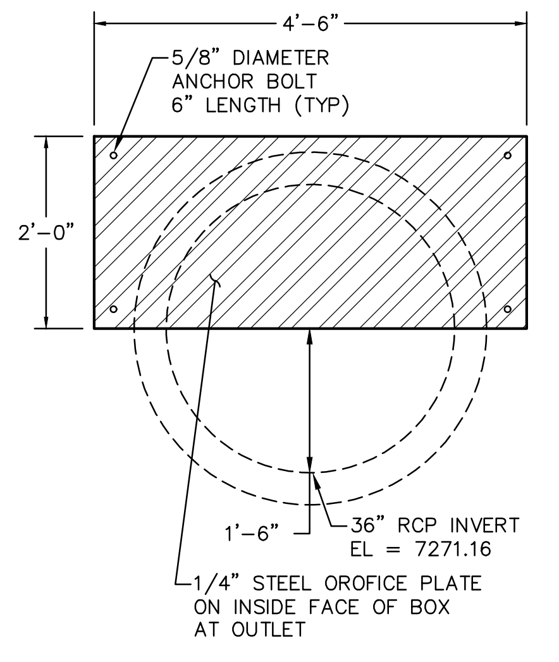
WARNING

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

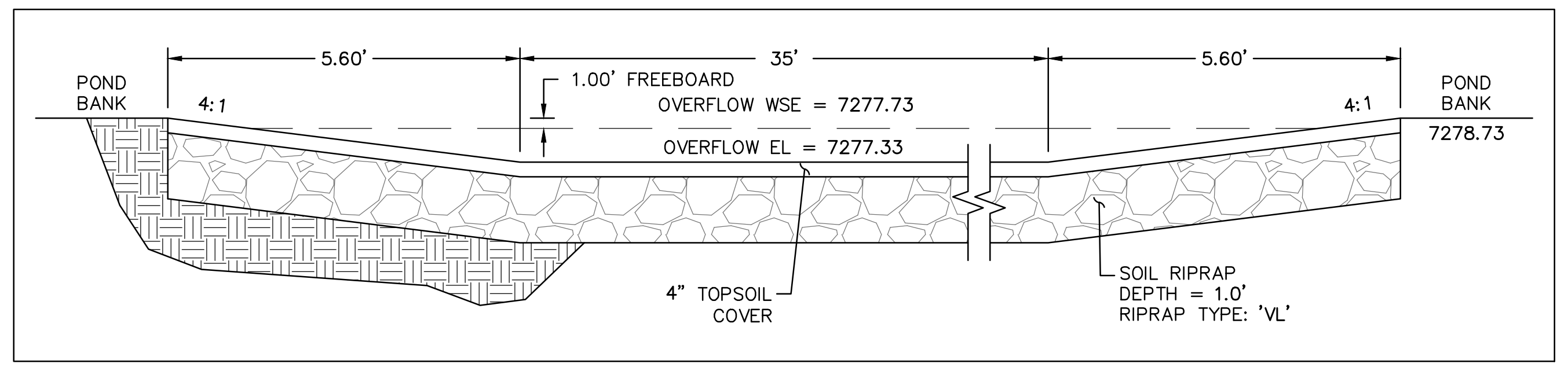
NOTES:

- SIGN SHALL BE A MINIMUM OF 3 SF.
- SIGN SHALL BE FABRICATED OF DURABLE MATERIALS SUCH AS METAL OR PLASTIC.
- SIGN SHALL HAVE RED LETTERING ON A WHITE BACKGROUND.

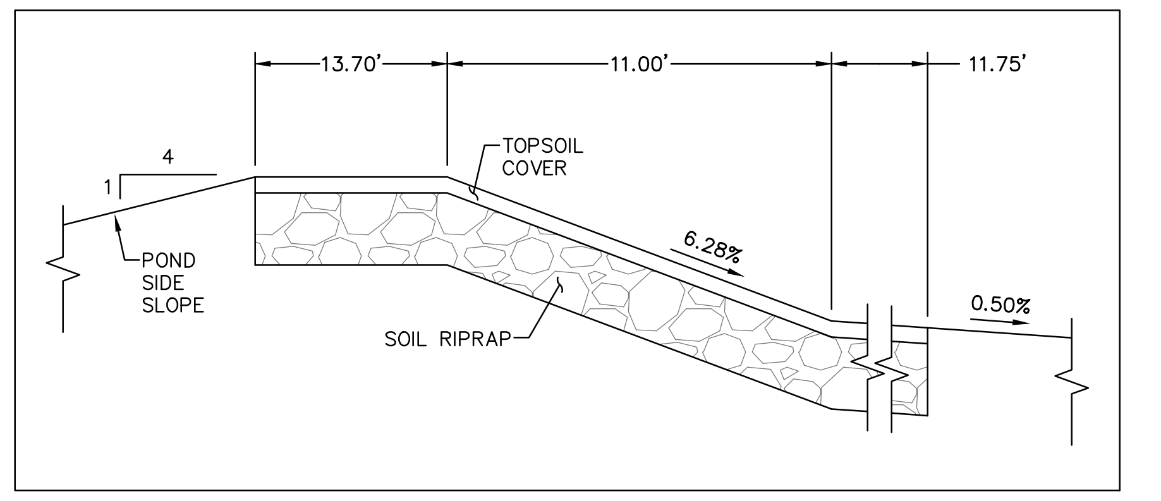
WARNING SIGN DETAIL
SCALE: N.T.S.


4'-6"
5/8" DIAMETER ANCHOR BOLT 6" LENGTH (TYP)
2'-0"
1'-6"
36" RCP INVERT EL = 7271.16
1/4" STEEL OROFICE PLATE ON INSIDE FACE OF BOX AT OUTLET

RESTRICTOR PLATE
SCALE: N.T.S.


5.60'
35'
5.60'
POND BANK
4:1
1.00' FREEBOARD
OVERFLOW WSE = 7277.73
OVERFLOW EL = 7277.33
POND BANK 7278.73
4" TOPSOIL COVER
SOIL RIPRAP DEPTH = 1.0' RIPRAP TYPE: 'VL'

POND OVERFLOW WEIR DETAIL
SCALE: N.T.S.


13.70'
11.00'
11.75'
4
1
TOPSOIL COVER
POND SIDE SLOPE
6.28%
0.50%
SOIL RIPRAP

POND OVERFLOW SPILLWAY PROFILE
SCALE: N.T.S.

SOIL MIXING NOTE:

PER MHFD SPECIFICATION SECTION 31-37-00, THE SOIL MATERIAL SHALL BE NATIVE OR TOPSOIL MIXED WITH 65% RIPRAP AND 35% SOIL BY VOLUME. Soil RIPRAP SHALL CONSIST OF A UNIFORM MIXTURE OF SOIL AND RIPRAP WITHOUT VOIDS.

CDOT GENERAL NOTES:

1. CONCRETE SHALL BE CLASS B. INLET MAY BE CAST-IN-PLACE OR PRECAST.
2. REINFORCING BARS SHALL HAVE A MINIMUM 2 IN. CLEARANCE.
3. CONCRETE SLOPE AND DITCH PAVING SHALL CONFORM TO SECTION 507. REINFORCEMENT FOR CONCRETE SLOPE PAVING SHALL BE 6 X 6 – W1.4 X W1.4 OR 6 X 6 – W2.1 X W2.1.
4. STRUCTURAL STEEL FOR GRATES AND GRATE INSTALLATION HARDWARE SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH 712.06.
5. THE STANDARD INLET GRATES SHALL BE USED ON ALL TYPE C INLETS UNLESS CLOSE MESH GRATES ARE SPECIFIED ON THE PLANS.
6. STEPS SHALL BE PROVIDED WHEN INLET DIMENSION "H" EXCEEDS 3 FT.-6 IN. AND SHALL BE IN ACCORDANCE WITH AASHTO M 199.
7. SEE SHEET M-604-11, INLET, TYPE D, FOR REINFORCEMENT AROUND THE PIPE OPENING.

◆ CONCRETE SLOPE AND DITCH PAVING WILL BE REQUIRED WHEN SHOWN ON PLANS.

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

* THE GASKET SHALL BE MADE OF 1/4-INCH THICK, 60 DUROMETER EPDM RUBBER IN A CONTINUOUS SHEET THE SIZE OF THE ORIFICE PLATE. THE SHEET SHALL BE PLACED BETWEEN THE ORIFICE PLATE AND THE CONCRETE WALL, WITH THE WIDTH OF THE OVERLAP BETWEEN THE PLATE AND THE CONCRETE. OPENINGS SHALL BE CUT INTO THE SHEET CORRESPONDING TO THE PLATE BOLT HOLES AND THE CONCRETE WALL OPENING, CUTS MADE EITHER BY THE CONTRACTOR IN THE FIELD OR BY THE MANUFACTURER (OR EQUIVALENT GASKET APPROVED BY EL PASO COUNTY). NOTE THAT CAULK IS NOT AN APPROVED EQUIVALENT AND WILL NOT BE ACCEPTED BY EL PASO COUNTY.

** JOHNSON VEE WIRE TYPE AND BAR GRATES SHOULD BE MANUFACTURED WITH EXTERIOR BARS IN THE VERTICAL ORIENTATION.

*** ALSO ACCEPTABLE: AMICO 19-SR-2 OR 19-SR-4 AND THE AMICO 19-W-2 OR 19-W-4.

PREPARED FOR:

MONUMENT RIDGE EAST, LLC

5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

PREPARE
RAYMO

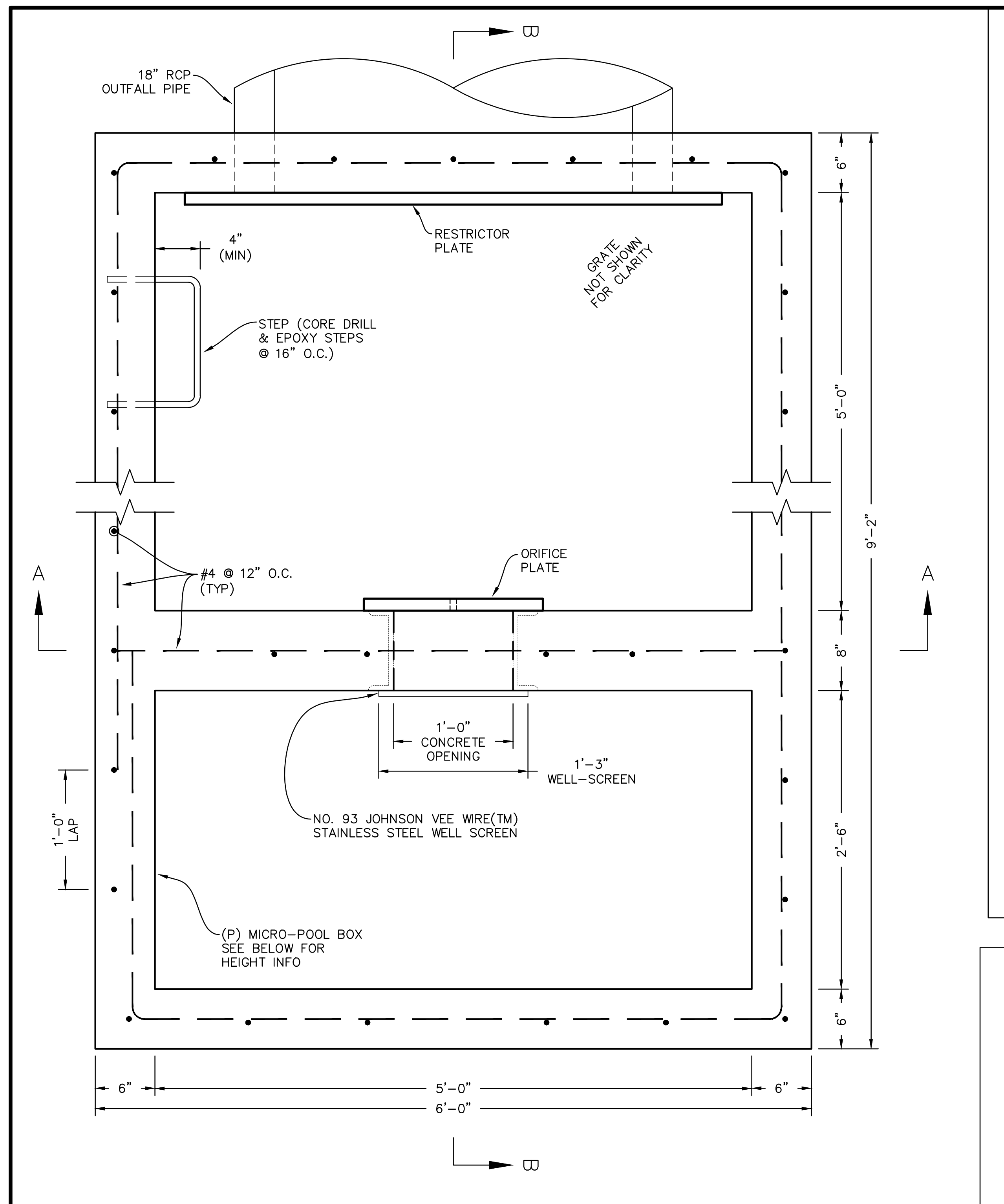
NOT FOR CONSTRUCTION

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

MONUMENT RIDGE EAST
FILING NO. 1
POND DETAIL PLANS
- POND 2 - [PVT]

DESIGNED BY: REP	DRAWN BY: MGP
SCALE: VARIES	DATE: 04/08/25
JOB NUMBER	SHEET
24-001	6 OF 29

P:_Projects\24-001 MRE\Dwg_CDs\Ph1\24-001-CDs-06-PCM - Pond 2 - Pond 2 - Saturday, July 11, 2026 3:00:31 PM - Michael Pitts


18" RCP OUTFALL PIPE
RESTRICTOR PLATE
GRATE NOT SHOWN FOR CLARITY
4" (MIN)
STEP (CORE DRILL & EPOXY STEPS @ 16" O.C.)
ORIFICE PLATE
#4 @ 12" O.C. (TYP)
1'-0" CONCRETE OPENING
1'-3" WELL-SCREEN
NO. 93 JOHNSON VEE WIRE(TM) STAINLESS STEEL WELL SCREEN
1'-0" LAP
(P) MICRO-POOL BOX SEE BELOW FOR HEIGHT INFO
A
B
6"
5'-0"
8"
2'-6"
9'-2"
6'-0"

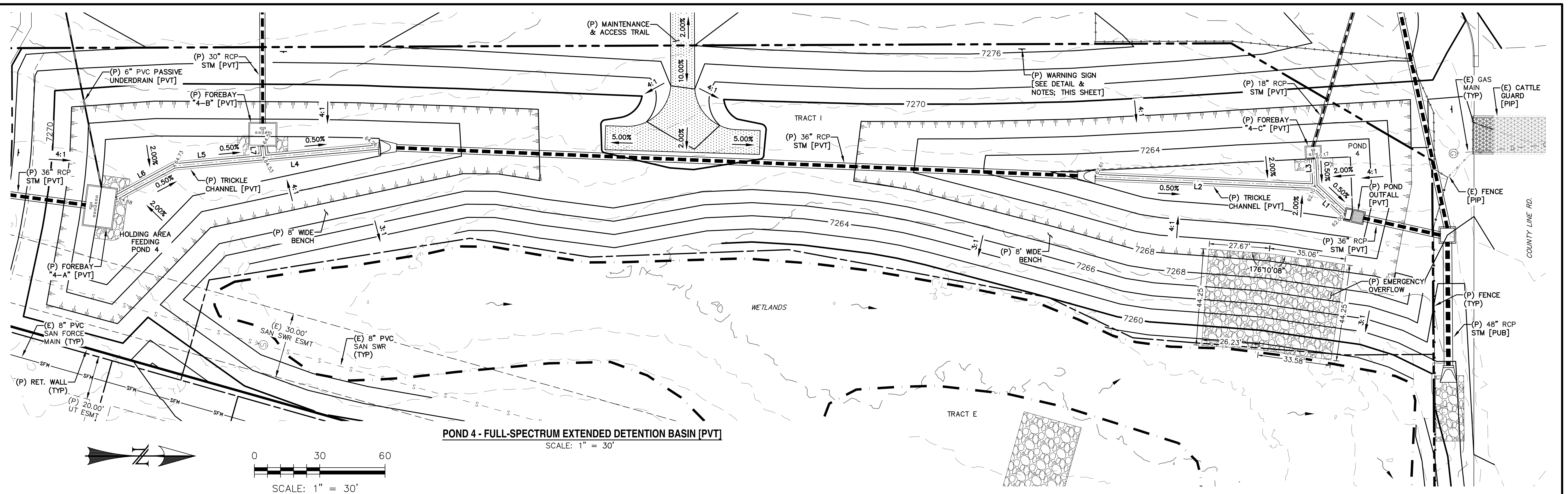
POND OUTFALL STRUCTURE - PLAN VIEW

SCALE: N.T.S.

LINE TABLE – CL		
LINE	BEARING	DISTANCE
L1	S43° 01' 51"W	18.67
L2	S2° 31' 12"W	100.98
L3	S87° 13' 13"W	12.62
L4	S5° 15' 30"E	53.10
L5	S5° 15' 30"E	41.26
L6	S28° 21' 06"E	30.19
L7	S84° 44' 30"W	5.23

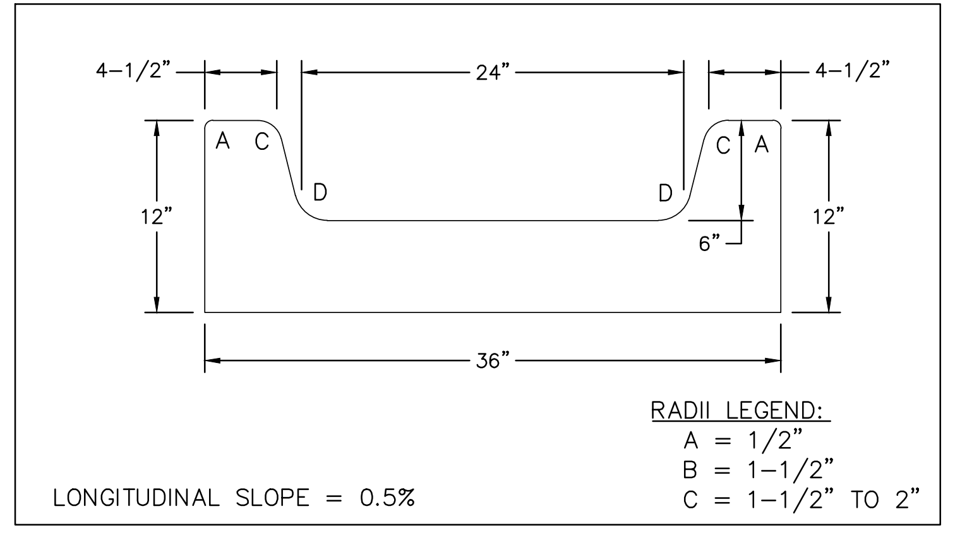
NOTES:

1. EXISTING VEGETATION SHALL REMAIN IN PLACE (IF POSSIBLE) AND SEE FINAL LANDSCAPE PLAN FOR FINAL POND REVEGETATION.
2. SLOPE POND BOTTOM 2.00% FROM TOE TO TRICKLE CHANNEL.


(P) MAINTENANCE & ACCESS TRAIL
(P) 30" RCP STM [PVT]
(P) 6" PVC PASSIVE UNDERDRAIN [PVT]
(P) FOREBAY "4-B" [PVT]
(P) WARNING SIGN [SEE DETAIL & NOTES; THIS SHEET]
(P) 18" RCP STM [PVT]
(E) GAS MAIN (TYP)
(E) CATTLE GUARD [PIP]
(P) FOREBAY "4-C" [PVT]
POND 4
TRACT I
(P) 36" RCP STM [PVT]
(P) TRICKLE CHANNEL [PVT]
(P) POND OUTFALL [PVT]
(E) FENCE [PIP]
HOLDING AREA FEEDING POND 4
(P) FOREBAY "4-A" [PVT]
(P) 8' WIDE BENCH
(P) EMERGENCY OVERFLOW
(P) FENCE (TYP)
(P) 48" RCP STM [PUB]
WETLANDS
(E) 8" PVC SAN FORCE MAIN (TYP)
(E) 30.00' SAN SWR ESMT
(E) 8" PVC SAN SWR (TYP)
(P) RET. WALL (TYP)
(P) 20.00' UT ESMT
TRACT E
COUNTY LINE RD.
7276
7270
7264
7266
7268
7260
L1 L2 L3 L4 L5 L6 L7
4:1
3:1
0.50%
2.00%
5.00%
10.00%
27.67'
35.06'
176°10'08"
26.23'
33.58'
44.25'
N
0 30 60
SCALE: 1" = 30'

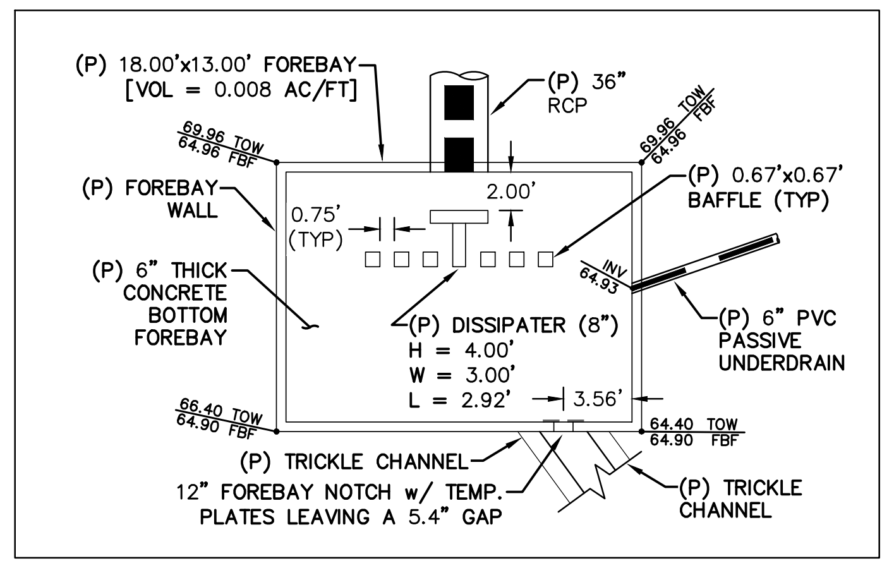
POND 4 - FULL-SPECTRUM EXTENDED DETENTION BASIN [PVT]

SCALE: 1" = 30'


4-1/2"
24"
4-1/2"
12"
A C D D C A
6"
36"
RADII LEGEND:
A = 1/2"
B = 1-1/2"
C = 1-1/2" TO 2"
LONGITUDINAL SLOPE = 0.5%

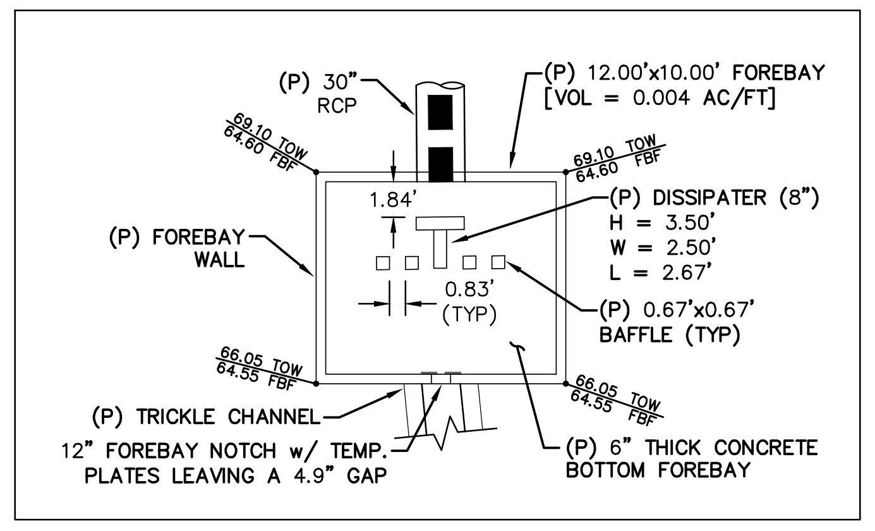
CONCRETE TRICKLE CHANNEL

SCALE: N.T.S.


(P) 18.00'x13.00' FOREBAY [VOL = 0.008 AC/FT]
(P) 36" RCP
(P) FOREBAY WALL
0.75' (TYP)
2.00'
(P) 0.67'x0.67' BAFFLE (TYP)
(P) 6" THICK CONCRETE BOTTOM FOREBAY
(P) DISSIPATER (8") H = 4.00' W = 3.00' L = 2.92'
3.56'
(P) 6" PVC PASSIVE UNDERDRAIN
(P) TRICKLE CHANNEL
12" FOREBAY NOTCH w/ TEMP. PLATES LEAVING A 5.4" GAP
(P) TRICKLE CHANNEL

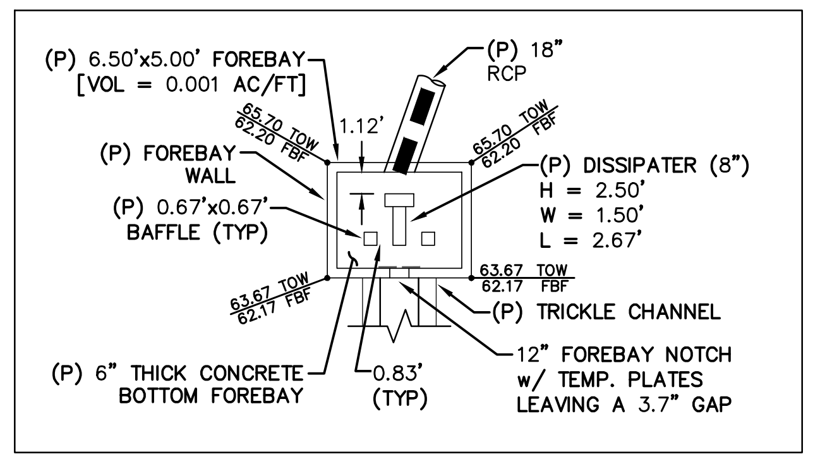
FOREBAY "4-A"

SCALE: N.T.S.


(P) 30" RCP
(P) 12.00'x10.00' FOREBAY [VOL = 0.004 AC/FT]
(P) FOREBAY WALL
1.84'
(P) DISSIPATER (8") H = 3.50' W = 2.50' L = 2.67'
0.83' (TYP)
(P) 0.67'x0.67' BAFFLE (TYP)
(P) TRICKLE CHANNEL
12" FOREBAY NOTCH w/ TEMP. PLATES LEAVING A 4.9" GAP
(P) 6" THICK CONCRETE BOTTOM FOREBAY

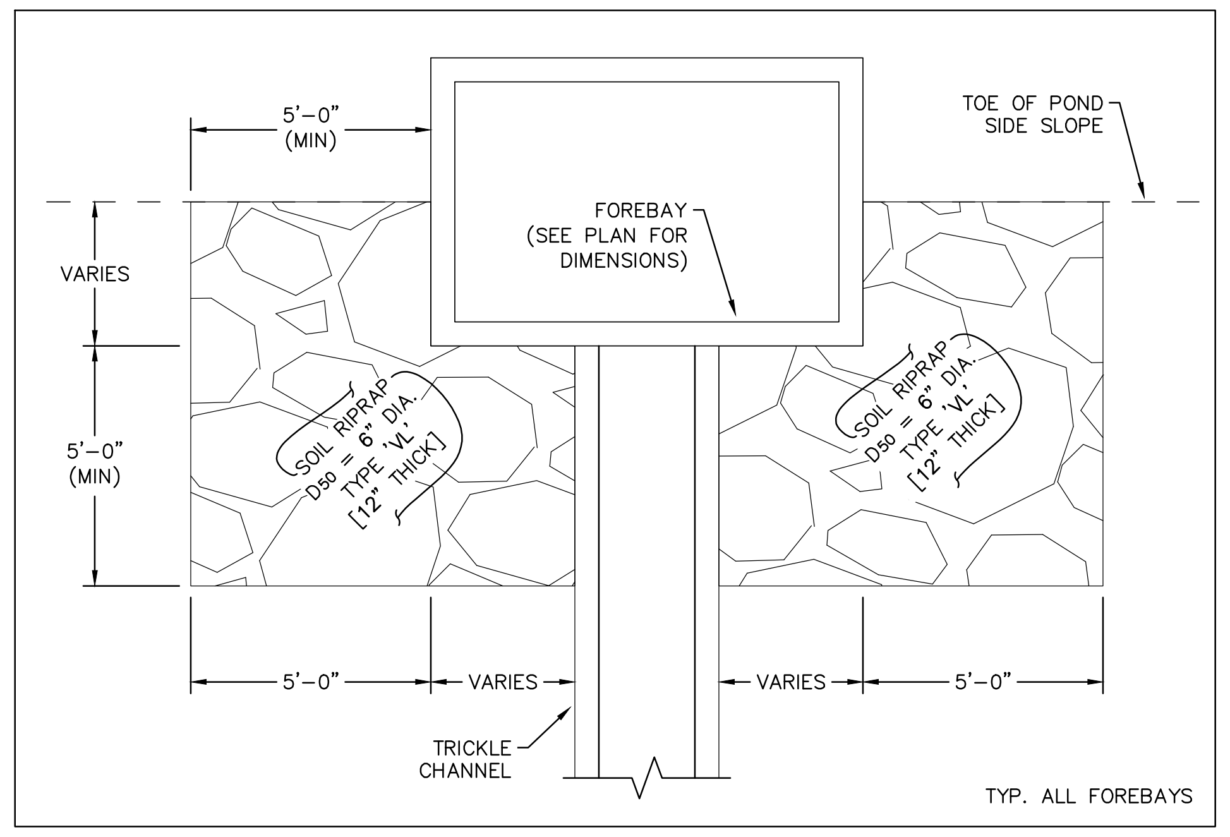
FOREBAY "4B"

SCALE: N.T.S.


(P) 6.50'x5.00' FOREBAY [VOL = 0.001 AC/FT]
(P) 18" RCP
1.12'
(P) FOREBAY WALL
(P) 0.67'x0.67' BAFFLE (TYP)
(P) DISSIPATER (8") H = 2.50' W = 1.50' L = 2.67'
(P) TRICKLE CHANNEL
12" FOREBAY NOTCH w/ INSIDE TEMP. PLATES LEAVING A 3.7" GAP
(P) 6" THICK CONCRETE BOTTOM FOREBAY
0.83' (TYP)

FOREBAY "4-C"

SCALE: N.T.S.

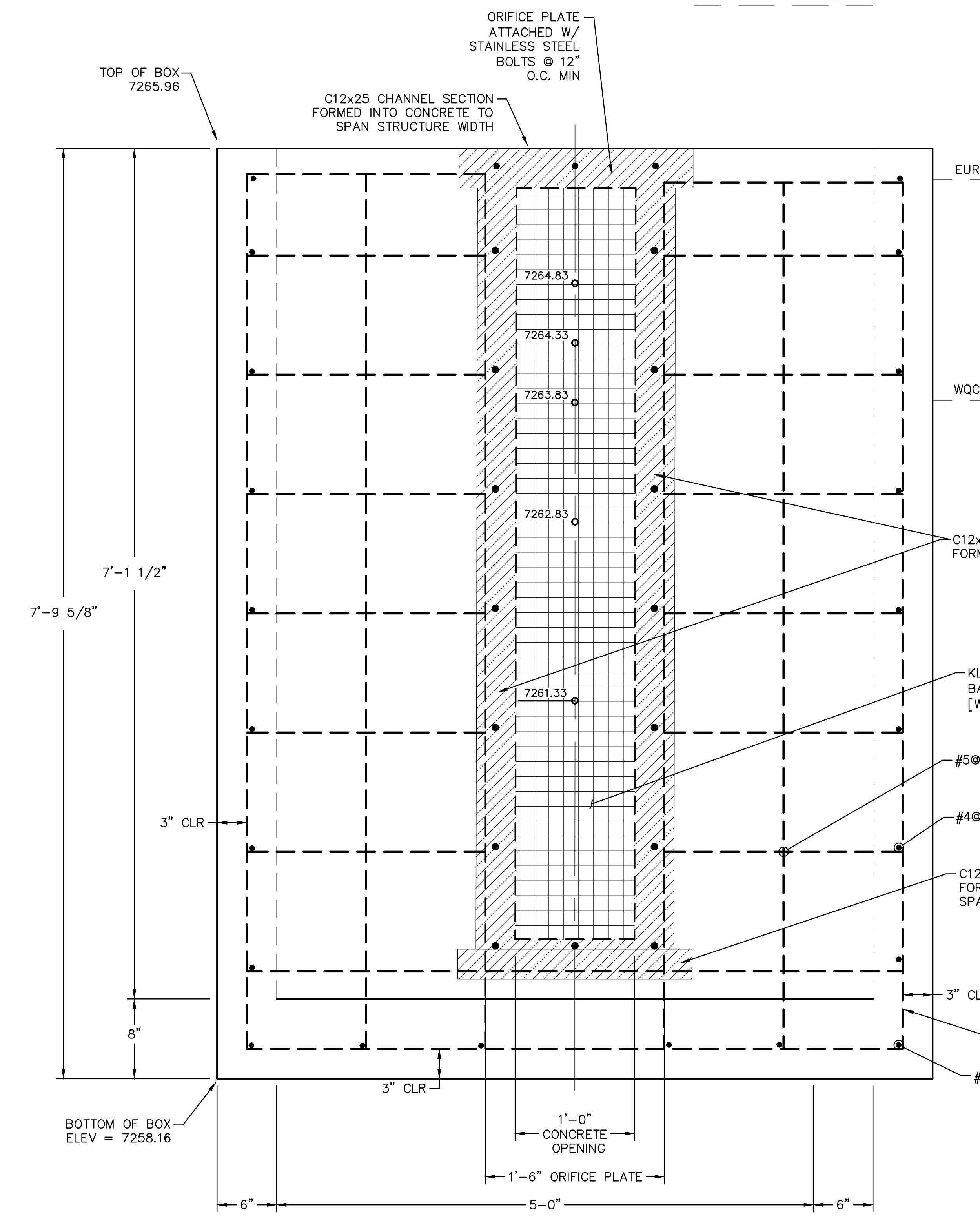

5'-0" (MIN)
TOE OF POND SIDE SLOPE
FOREBAY (SEE PLAN FOR DIMENSIONS)
VARIES
5'-0" (MIN)
SOIL RIPRAP D50 = 6" DIA. TYPE 'VL' (12" THICK)
5'-0"
VARIES
VARIES
5'-0"
TRICKLE CHANNEL
TYP. ALL FOREBAYS

FOREBAY OVERFLOW RIPRAP DETAIL

SCALE: N.T.S.

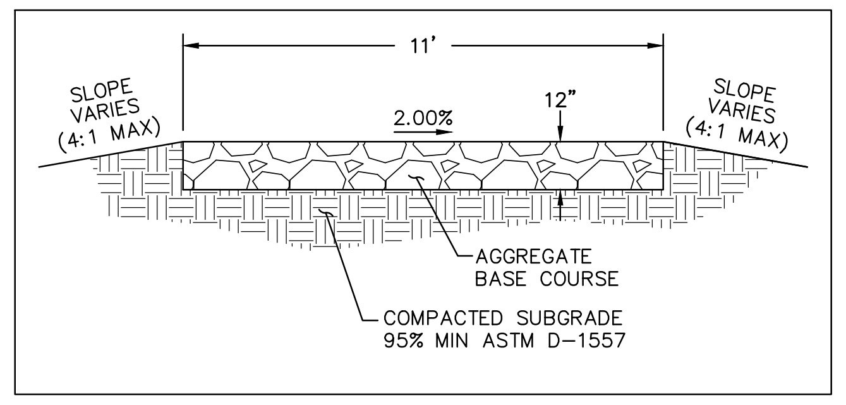
SOIL MIXING NOTE:

PER MHFD SPECIFICATION SECTION 31-37-00, THE SOIL MATERIAL SHALL BE NATIVE OR TOPSOIL MIXED WITH 65% RIPRAP AND 35% SOIL BY VOLUME. Soil RIPRAP SHALL CONSIST OF A UNIFORM MIXTURE OF SOIL AND RIPRAP WITHOUT VOIDS.


100-YR WSE = 7267.16
ORIFICE PLATE ATTACHED W/ STAINLESS STEEL BOLTS @ 12" O.C. MIN
TOP OF BOX 7265.96
C12x25 CHANNEL SECTION FORMED INTO CONCRETE TO SPAN STRUCTURE WIDTH
EURV WSE = 7265.70
7264.83
7264.33
7263.83
WQCV WSE = 7263.85
7262.83
7261.33
C12x25 CHANNEL SECTION FORMED INTO CONCRETE
KLEMP KRP SERIES ALUMINUM BAR GRATE (OR EQUAL).*** [W = 1'-3"]
#5@12" O.C. E.W.
#4@12" O.C. HOR
C12x25 CHANNEL SECTION FORMED INTO CONCRETE TO SPAN STRUCTURE WIDTH
3" CLR
7'-1 1/2"
7'-9 5/8"
8"
#4@12"O.C. VERT
#5@12" O.C. E.W.
BOTTOM OF BOX ELEV = 7258.16
3" CLR
1'-0" CONCRETE OPENING
1'-6" ORIFICE PLATE
6"
5'-0"
6"

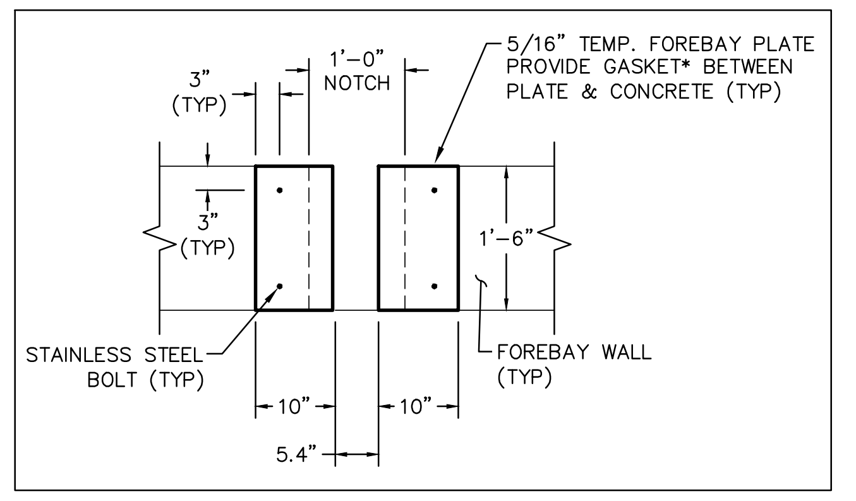
SECTION A-A

SCALE: N.T.S.


11'
SLOPE VARIES (4:1 MAX)
2.00%
12"
SLOPE VARIES (4:1 MAX)
AGGREGATE BASE COURSE
COMPACTED SUBGRADE 95% MIN ASTM D-1557

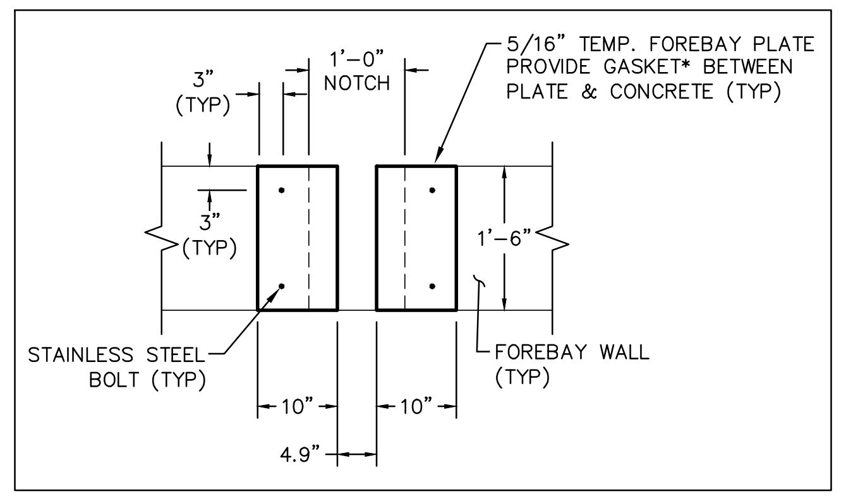
POND MAINTENANCE ACCESS DETAIL

SCALE: N.T.S.


3" (TYP)
1'-0" NOTCH
5/16" TEMP. FOREBAY PLATE PROVIDE GASKET* BETWEEN PLATE & CONCRETE (TYP)
3" (TYP)
1'-6"
STAINLESS STEEL BOLT (TYP)
FOREBAY WALL (TYP)
10"
10"
5.4"

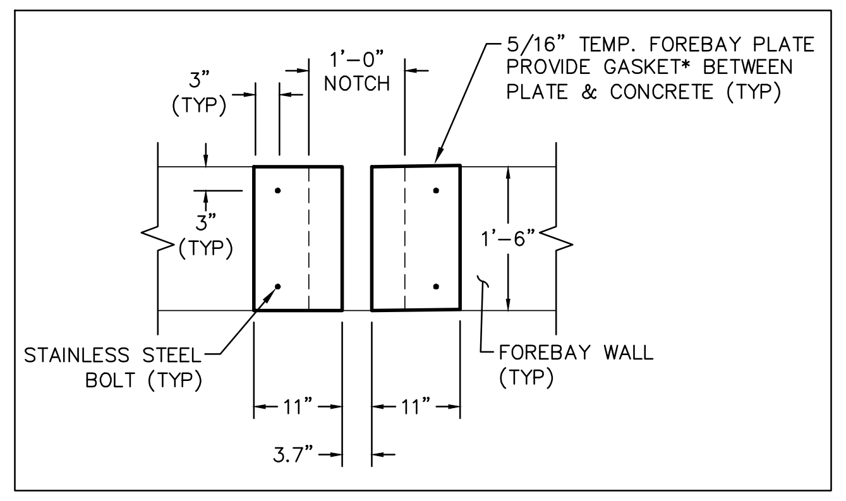
FOREBAY "4-A" TEMP. NOTCH PLATES

SCALE: N.T.S.


3" (TYP)
1'-0" NOTCH
5/16" TEMP. FOREBAY PLATE PROVIDE GASKET* BETWEEN PLATE & CONCRETE (TYP)
3" (TYP)
1'-6"
STAINLESS STEEL BOLT (TYP)
FOREBAY WALL (TYP)
10"
10"
4.9"

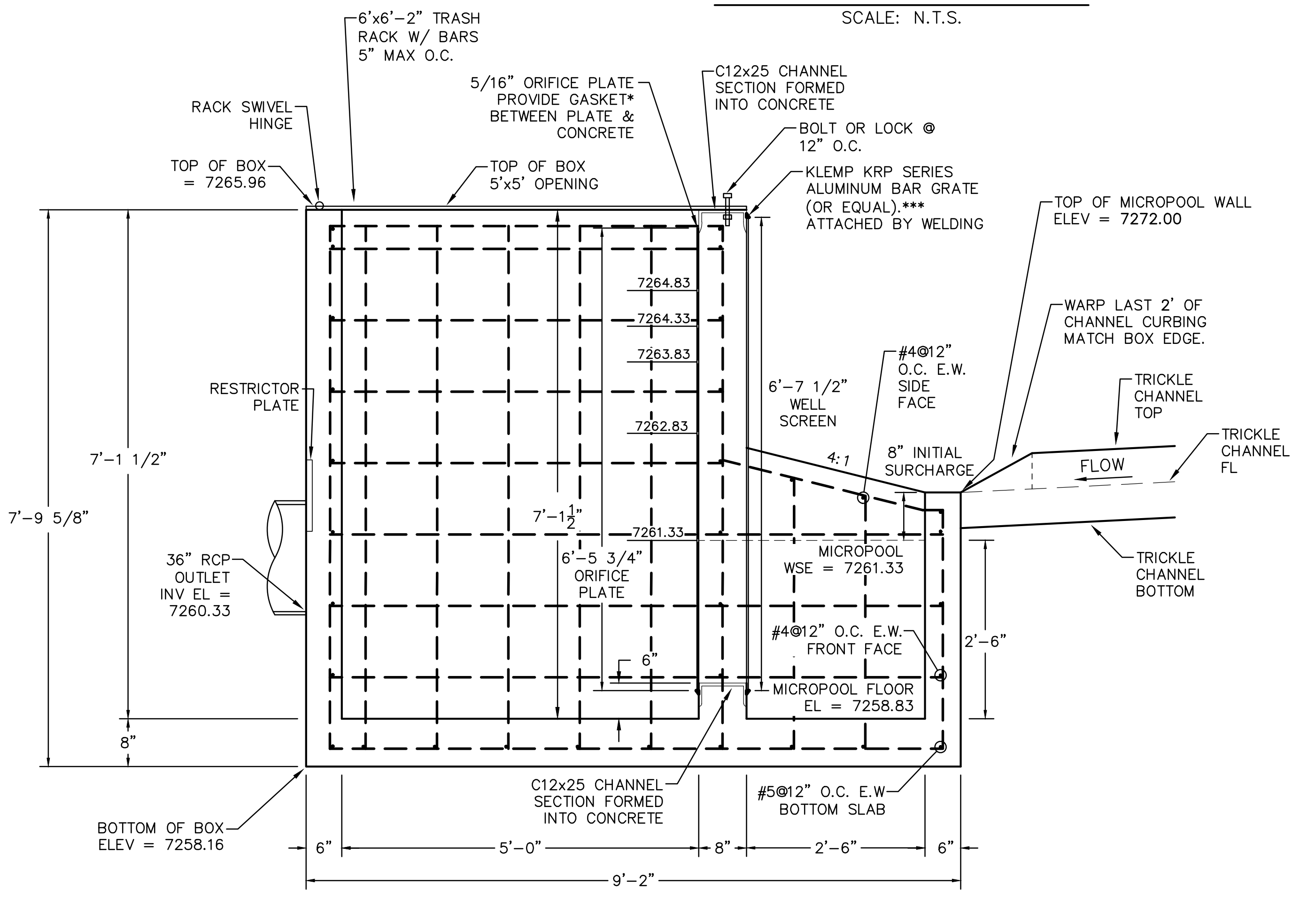
FOREBAY "4-B" TEMP. NOTCH PLATES

SCALE: N.T.S.


3" (TYP)
1'-0" NOTCH
5/16" TEMP. FOREBAY PLATE PROVIDE GASKET* BETWEEN PLATE & CONCRETE (TYP)
3" (TYP)
1'-6"
STAINLESS STEEL BOLT (TYP)
FOREBAY WALL (TYP)
11"
11"
3.7"

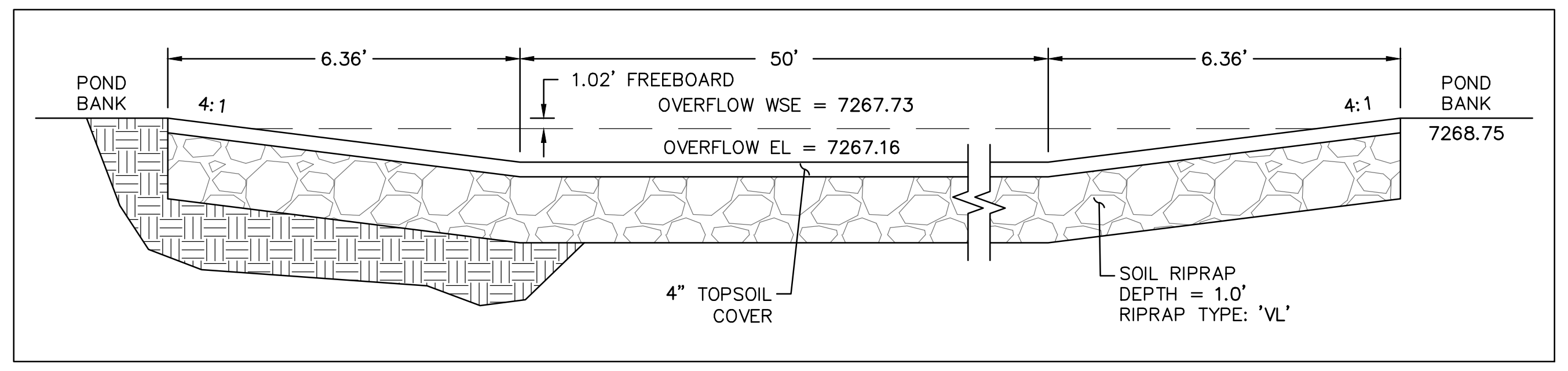
FOREBAY "4-C" TEMP. NOTCH PLATES

SCALE: N.T.S.


6'x6'-2" TRASH RACK W/ BARS 5" MAX O.C.
5/16" ORIFICE PLATE PROVIDE GASKET* BETWEEN PLATE & CONCRETE
C12x25 CHANNEL SECTION FORMED INTO CONCRETE
BOLT OR LOCK @ 12" O.C.
RACK SWIVEL HINGE
TOP OF BOX = 7265.96
TOP OF BOX 5'x5' OPENING
KLEMP KRP SERIES ALUMINUM BAR GRATE (OR EQUAL)*** ATTACHED BY WELDING
TOP OF MICROPOOL WALL ELEV = 7272.00
7264.83
7264.33
7263.83
7262.83
7261.33
RESTRICTOR PLATE
7'-1 1/2"
7'-9 5/8"
6'-7 1/2" WELL SCREEN
#4@12" O.C. E.W. SIDE FACE
WARP LAST 2' OF CHANNEL CURBING MATCH BOX EDGE.
TRICKLE CHANNEL TOP
TRICKLE CHANNEL FL
FLOW
8" INITIAL SURCHARGE
4:1
TRICKLE CHANNEL BOTTOM
36" RCP OUTLET INV EL = 7260.33
7'-1/2"
6'-5 3/4" ORIFICE PLATE
MICROPOOL WSE = 7261.33
#4@12" O.C. E.W. FRONT FACE
2'-6"
MICROPOOL FLOOR EL = 7258.83
6"
8"
BOTTOM OF BOX ELEV = 7258.16
C12x25 CHANNEL SECTION FORMED INTO CONCRETE
#5@12" O.C. E.W BOTTOM SLAB
6"
5'-0"
8"
2'-6"
6"
9'-2"

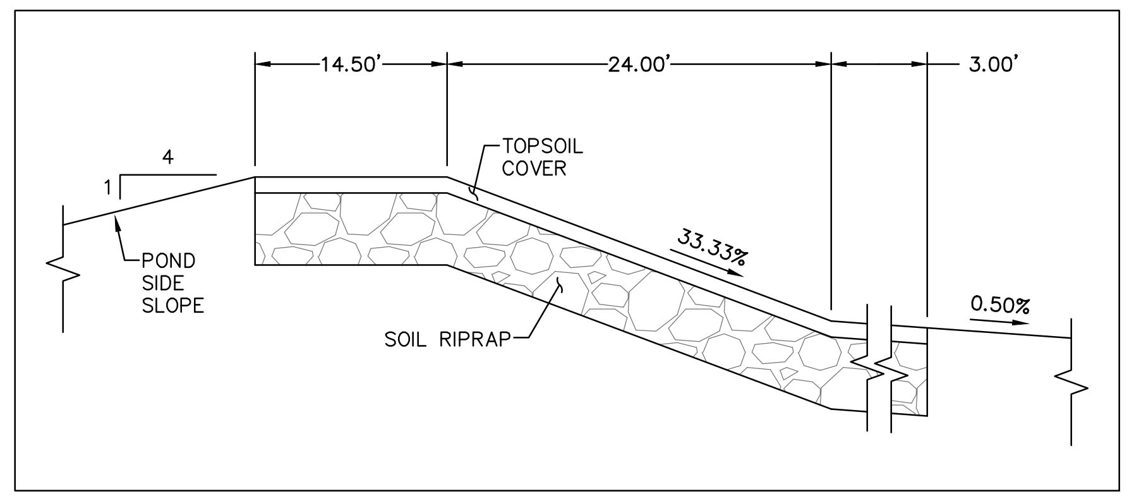
SECTION B-B

SCALE: N.T.S.


6.36'
50'
6.36'
POND BANK
1.02' FREEBOARD
OVERFLOW WSE = 7267.73
POND BANK 7268.75
4:1
4:1
OVERFLOW EL = 7267.16
4" TOPSOIL COVER
SOIL RIPRAP DEPTH = 1.0' RIPRAP TYPE: 'VL'

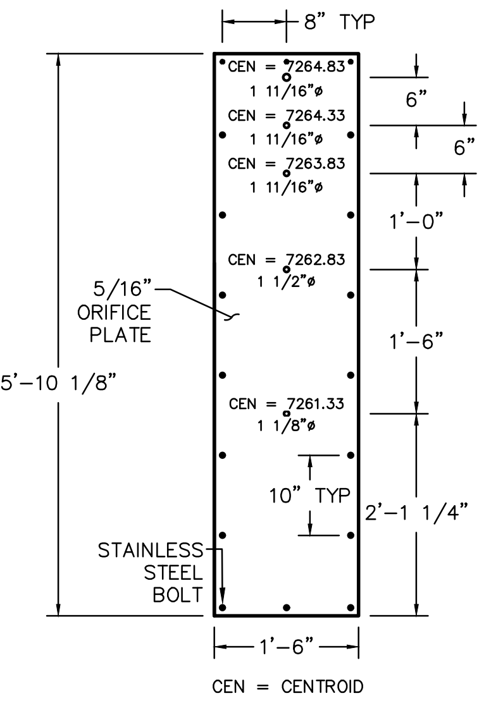
POND OVERFLOW WEIR DETAIL

SCALE: N.T.S.


14.50'
24.00'
3.00'
4
1
TOPSOIL COVER
POND SIDE SLOPE
33.33%
0.50%
SOIL RIPRAP

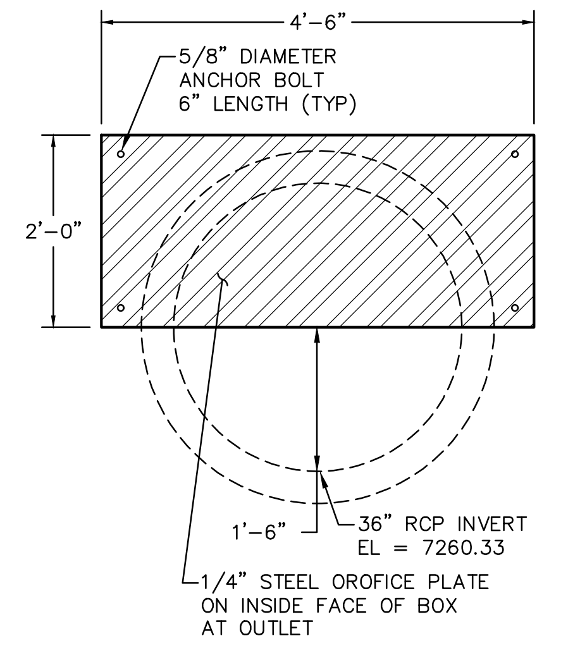
POND OVERFLOW SPILLWAY PROFILE

SCALE: N.T.S.


8" TYP
CEN = 7264.83 1 11/16"Ø
CEN = 7264.33 1 11/16"Ø
CEN = 7263.83 1 11/16"Ø
CEN = 7262.83 1 1/2"Ø
CEN = 7261.33 1 1/8"Ø
6"
6"
1'-0"
1'-6"
6"
10" TYP
2'-1 1/4"
5/16" ORIFICE PLATE
5'-10 1/8"
STAINLESS STEEL BOLT
1'-6"
CEN = CENTROID

ORIFICE PLATE - INTERIM

SCALE: N.T.S.


4'-6"
5/8" DIAMETER ANCHOR BOLT 6" LENGTH (TYP)
2'-0"
1'-6"
36" RCP INVERT EL = 7260.33
1/4" STEEL OROFICE PLATE ON INSIDE FACE OF BOX AT OUTLET

RESTRICTOR PLATE

SCALE: N.T.S.

WARNING

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

NOTES:

- SIGN SHALL BE A MINIMUM OF 3 SF.
- SIGN SHALL BE FABRICATED OF DURABLE MATERIALS SUCH AS METAL OR PLASTIC.
- SIGN SHALL HAVE RED LETTERING ON A WHITE BACKGROUND.

WARNING SIGN DETAIL

SCALE: N.T.S.

CDOT GENERAL NOTES:

1. CONCRETE SHALL BE CLASS B. INLET MAY BE CAST-IN-PLACE OR PRECAST.
2. REINFORCING BARS SHALL HAVE A MINIMUM 2 IN. CLEARANCE.
3. CONCRETE SLOPE AND DITCH PAVING SHALL CONFORM TO SECTION 507. REINFORCEMENT FOR CONCRETE SLOPE PAVING SHALL BE 6 X 6 – W1.4 X W1.4 OR 6 X 6 – W2.1 X W2.1.
4. STRUCTURAL STEEL FOR GRATES AND GRATE INSTALLATION HARDWARE SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH 712.06.
5. THE STANDARD INLET GRATES SHALL BE USED ON ALL TYPE C INLETS UNLESS CLOSE MESH GRATES ARE SPECIFIED ON THE PLANS.
6. STEPS SHALL BE PROVIDED WHEN INLET DIMENSION "H" EXCEEDS 3 FT.–6 IN. AND SHALL BE IN ACCORDANCE WITH AASHTO M 199.
7. SEE SHEET M–604–11, INLET, TYPE D, FOR REINFORCEMENT AROUND THE PIPE OPENING.

♦ CONCRETE SLOPE AND DITCH PAVING WILL BE REQUIRED WHEN SHOWN ON PLANS.

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

* THE GASKET SHALL BE MADE OF 1/4-INCH THICK, 60 DUROMETER EPDM RUBBER IN A CONTINUOUS SHEET THE SIZE OF THE ORIFICE PLATE. THE SHEET SHALL BE PLACED BETWEEN THE ORIFICE PLATE AND THE CONCRETE WALL, WITH THE WIDTH OF THE OVERLAP BETWEEN THE PLATE AND THE CONCRETE. OPENINGS SHALL BE CUT INTO THE SHEET CORRESPONDING TO THE PLATE BOLT HOLES AND THE CONCRETE WALL OPENING, CUTS MADE EITHER BY THE CONTRACTOR IN THE FIELD OR BY THE MANUFACTURER (OR EQUIVALENT GASKET APPROVED BY EL PASO COUNTY). NOTE THAT CAULK IS NOT AN APPROVED EQUIVALENT AND WILL NOT BE ACCEPTED BY EL PASO COUNTY.

** JOHNSON VEE WIRE TYPE AND BAR GRATES SHOULD BE MANUFACTURED WITH EXTERIOR BARS IN THE VERTICAL ORIENTATION.

*** ALSO ACCEPTABLE: AMICO 19–SR–2 OR 19–SR–4 AND THE AMICO 19–W–2 OR 19–W–4.

PREPARED FOR:

MONUMENT RIDGE EAST, LLC

5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

PREPARE

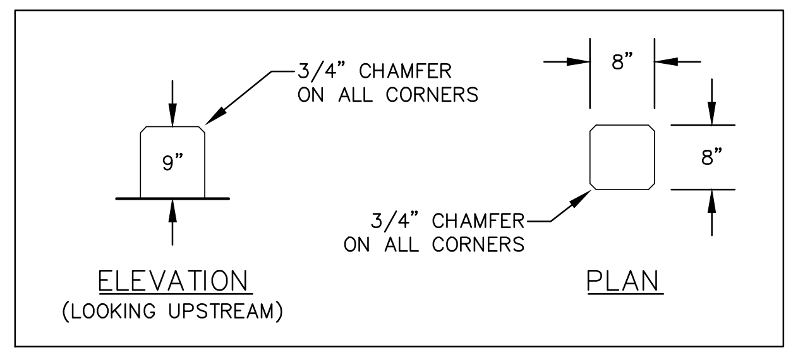
RAYMO

NOT FOR CONSTRUCTION

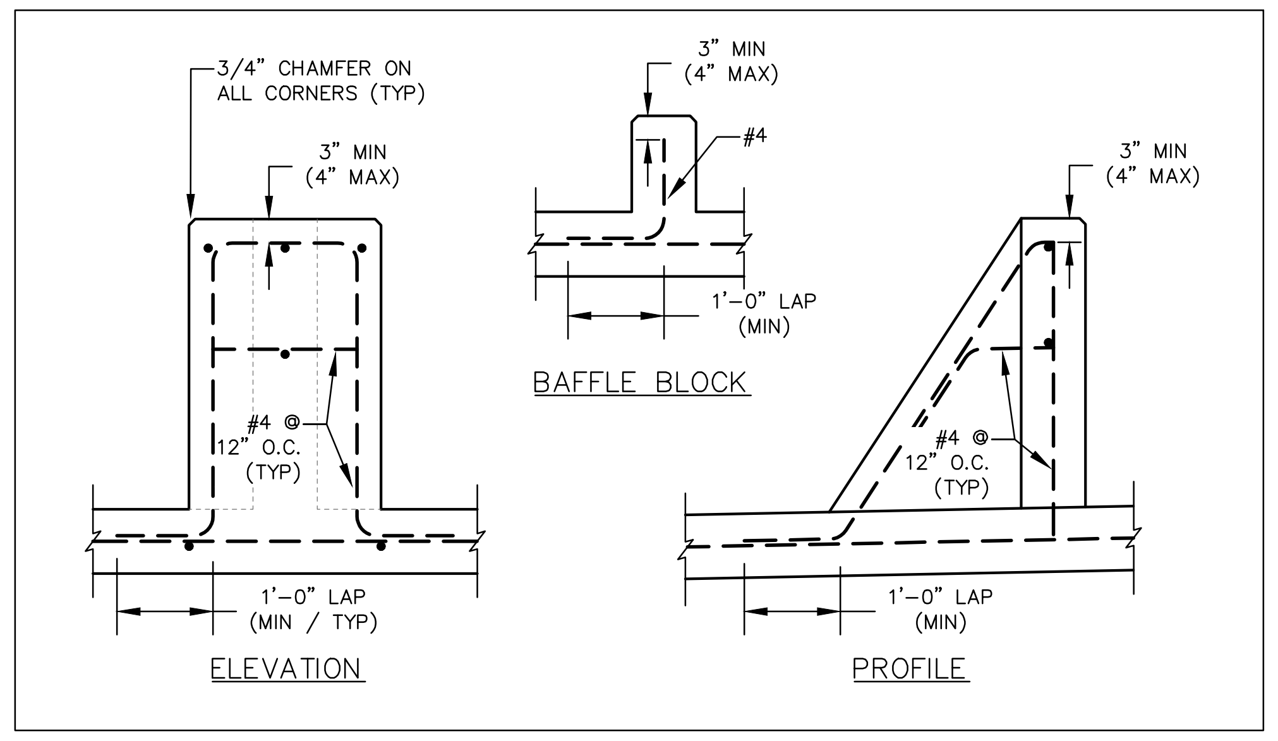
PRC
ENGINEERING
1685 W. UINTAH STREET, SUITE 114
COLORADO SPRINGS, CO 80904
(719) 291–2744

MONUMENT RIDGE EAST
FILING NO. 1
POND DETAIL PLANS
- POND 4 - [PVT]

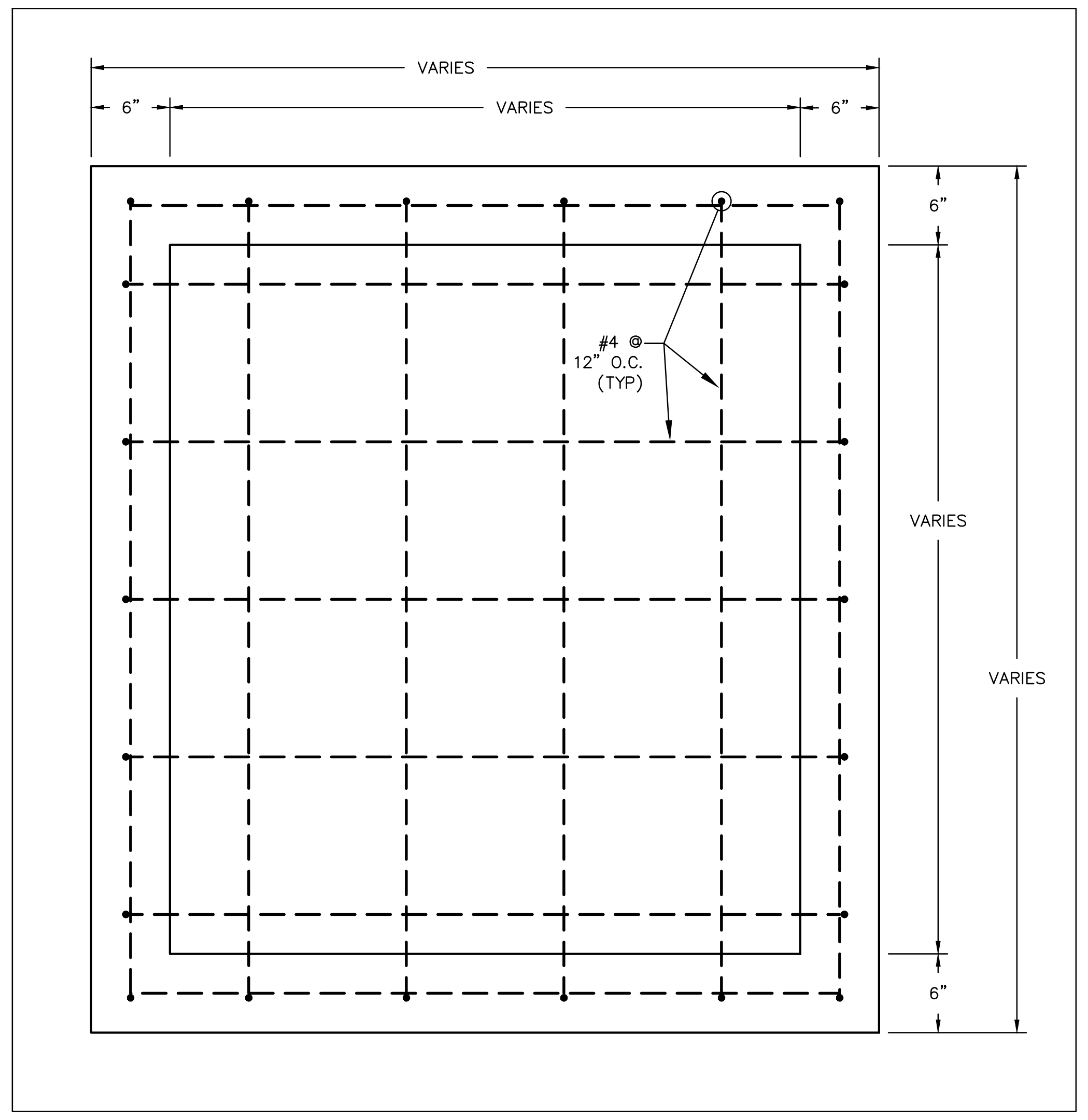
DESIGNED BY:	REP	DRAWN BY:	MGP
SCALE:	VARIES	DATE:	04/08/25
JOB NUMBER		SHEET	
24–001		7 OF 29	


3/4" CHAMFER ON ALL CORNERS
9"
8"
8"
3/4" CHAMFER ON ALL CORNERS
ELEVATION (LOOKING UPSTREAM)
PLAN

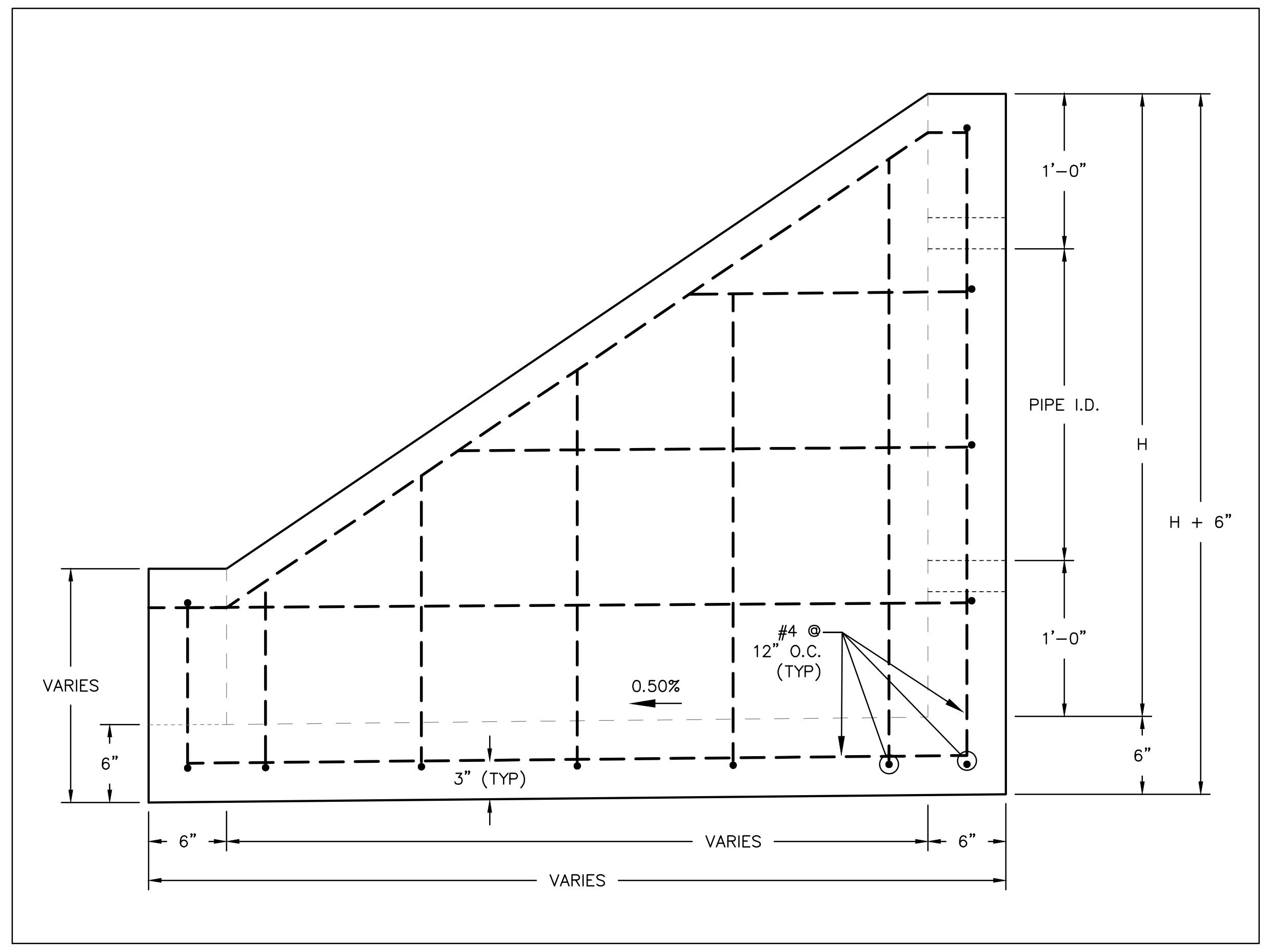
BAFFLE BLOCK GEOMETRY
SCALE: N.T.S.


3/4" CHAMFER ON ALL CORNERS (TYP)
3" MIN (4" MAX)
#4 @ 12" O.C. (TYP)
1'-0" LAP (MIN / TYP)
ELEVATION
3" MIN (4" MAX)
#4
1'-0" LAP (MIN)
BAFFLE BLOCK
3" MIN (4" MAX)
#4 @ 12" O.C. (TYP)
1'-0" LAP (MIN)
PROFILE

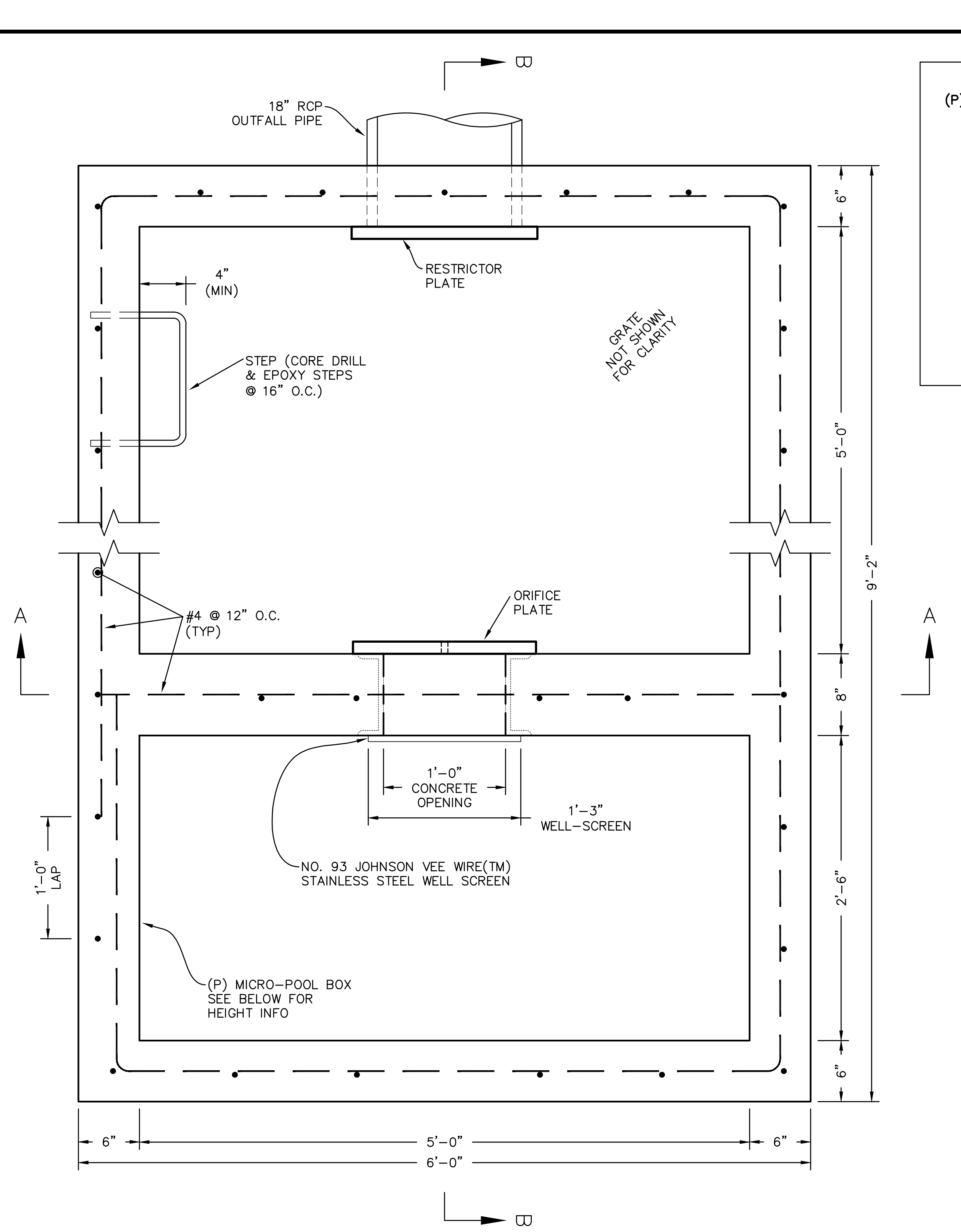
DISSIPATOR & BAFFLE BLOCK REINFORCING DETAILS
SCALE: N.T.S.

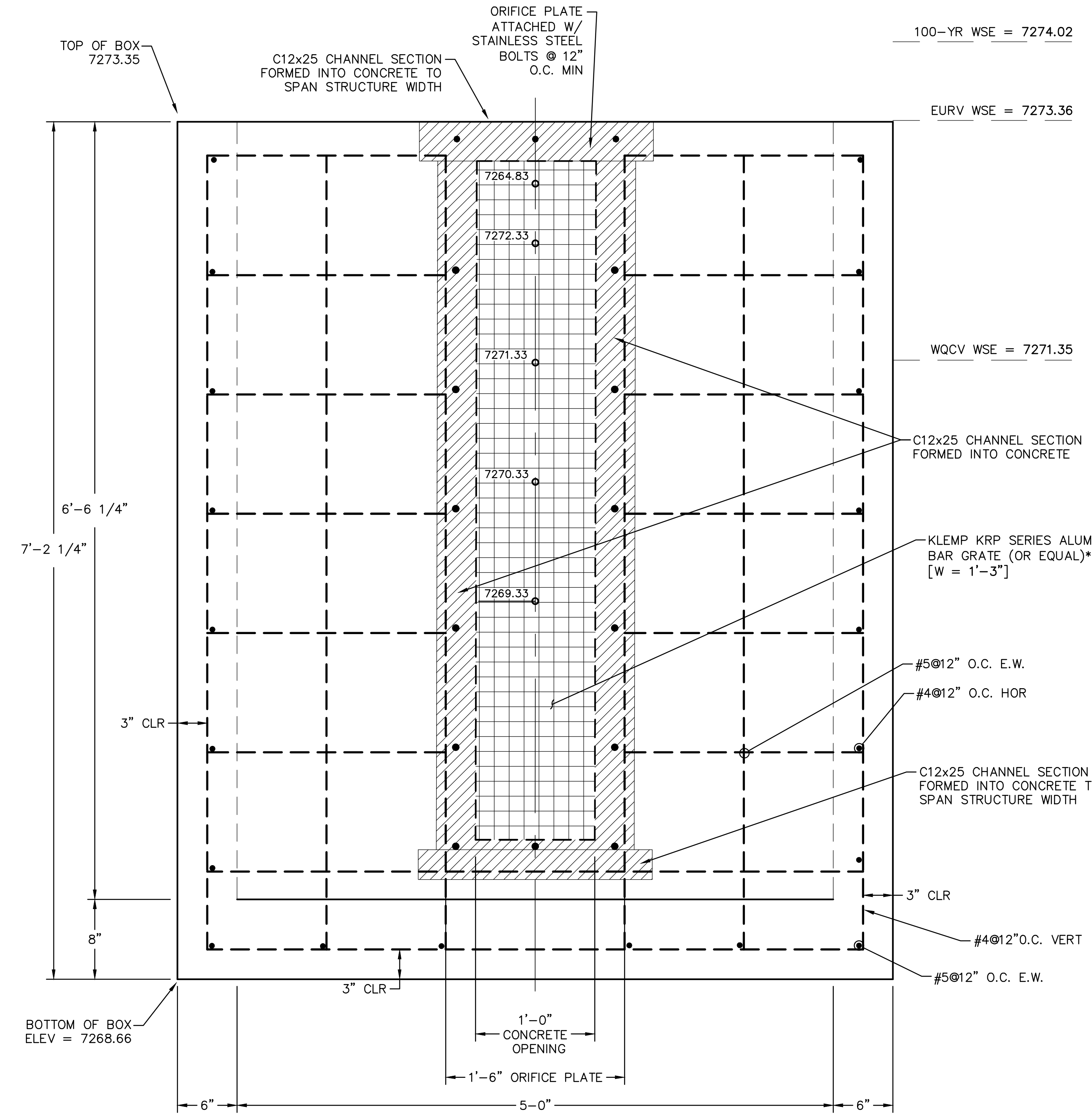

VARIES
6"
VARIES
6"
6"
#4 @ 12" O.C. (TYP)
VARIES
VARIES
6"

TYPICAL FOREBAY REINFORCING - PLAN
SCALE: N.T.S.

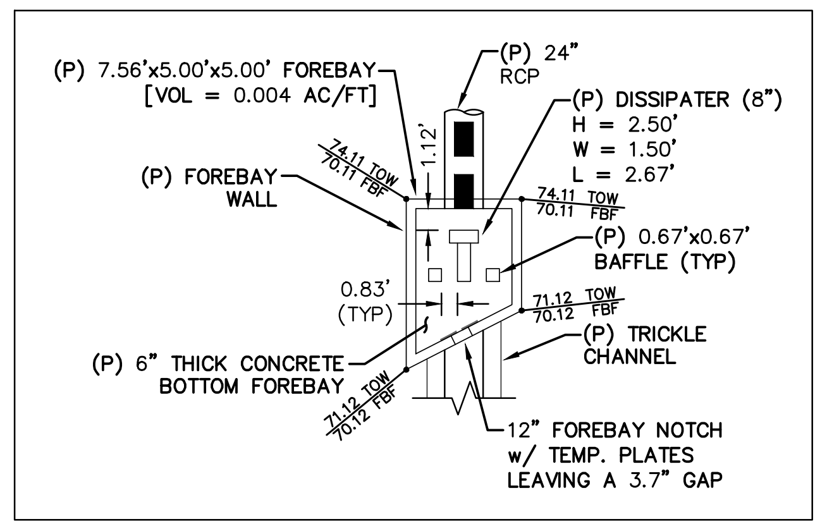

1'-0"
PIPE I.D.
H
H + 6"
1'-0"
VARIES
6"
#4 @ 12" O.C. (TYP)
0.50%
3" (TYP)
6"
6"
VARIES
6"
VARIES

FOREBAY REINFORCING - PROFILE
SCALE: N.T.S.

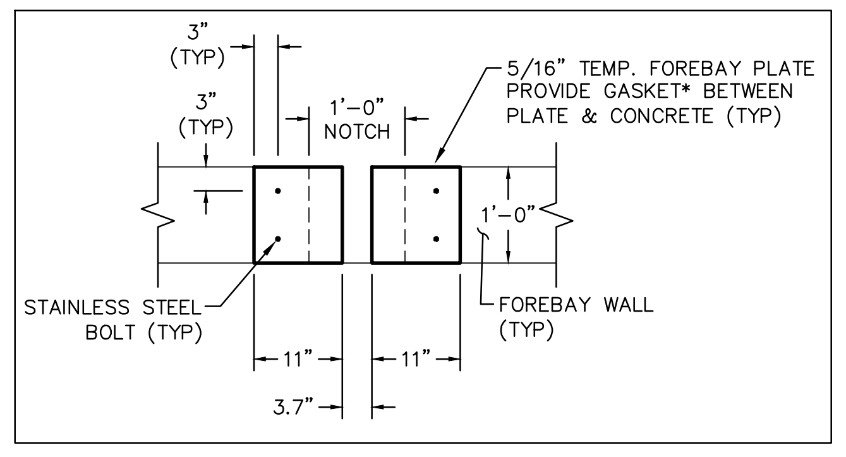

B
18" RCP OUTFALL PIPE
RESTRICTOR PLATE
GRATE NOT SHOWN FOR CLARITY
4" (MIN)
STEP (CORE DRILL & EPOXY STEPS @ 16" O.C.)
A
#4 @ 12" O.C. (TYP)
ORIFICE PLATE
A
1'-0" CONCRETE OPENING
1'-3" WELL-SCREEN
NO. 93 JOHNSON VEE WIRE(TM) STAINLESS STEEL WELL SCREEN
1'-0" LAP
(P) MICRO-POOL BOX SEE BELOW FOR HEIGHT INFO
6"
5'-0"
8"
2'-6"
6"
9'-2"
6"
5'-0"
6"
6'-0"
B


TOP OF BOX 7273.35
C12x25 CHANNEL SECTION FORMED INTO CONCRETE TO SPAN STRUCTURE WIDTH
ORIFICE PLATE ATTACHED W/ STAINLESS STEEL BOLTS @ 12" O.C. MIN
100-YR WSE = 7274.02
EURV WSE = 7273.36
7264.83
7272.33
7271.33
7270.33
7269.33
WQCV WSE = 7271.35
C12x25 CHANNEL SECTION FORMED INTO CONCRETE
KLEMP KRP SERIES ALUMINUM BAR GRATE (OR EQUAL)*** [W = 1'-3"]
#5@12" O.C. E.W.
#4@12" O.C. HOR
C12x25 CHANNEL SECTION FORMED INTO CONCRETE TO SPAN STRUCTURE WIDTH
6'-6 1/4"
7'-2 1/4"
3" CLR
3" CLR
8"
#4@12"O.C. VERT
#5@12" O.C. E.W.
3" CLR
BOTTOM OF BOX ELEV = 7268.66
1'-0" CONCRETE OPENING
1'-6" ORIFICE PLATE
6"
5'-0"
6"

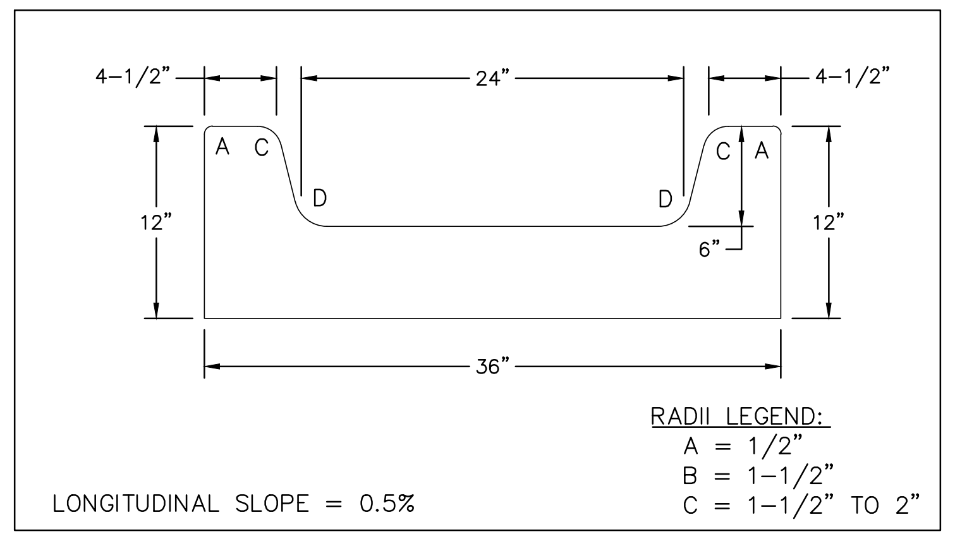
SECTION A-A
SCALE: N.T.S.


(P) 7.56'x5.00'x5.00' FOREBAY [VOL = 0.004 AC/FT]
(P) 24" RCP
(P) DISSIPATER (8")
H = 2.50'
W = 1.50'
L = 2.67'
1.12'
74.11 TOW
70.11 FBF
(P) FOREBAY WALL
74.11 TOW
70.11 FBF
(P) 0.67'x0.67' BAFFLE (TYP)
0.83' (TYP)
71.12 TOW
70.12 FBF
(P) 6" THICK CONCRETE BOTTOM FOREBAY
(P) TRICKLE CHANNEL
71.12 TOW
70.12 FBF
12" FOREBAY NOTCH w/ TEMP. PLATES LEAVING A 3.7" GAP

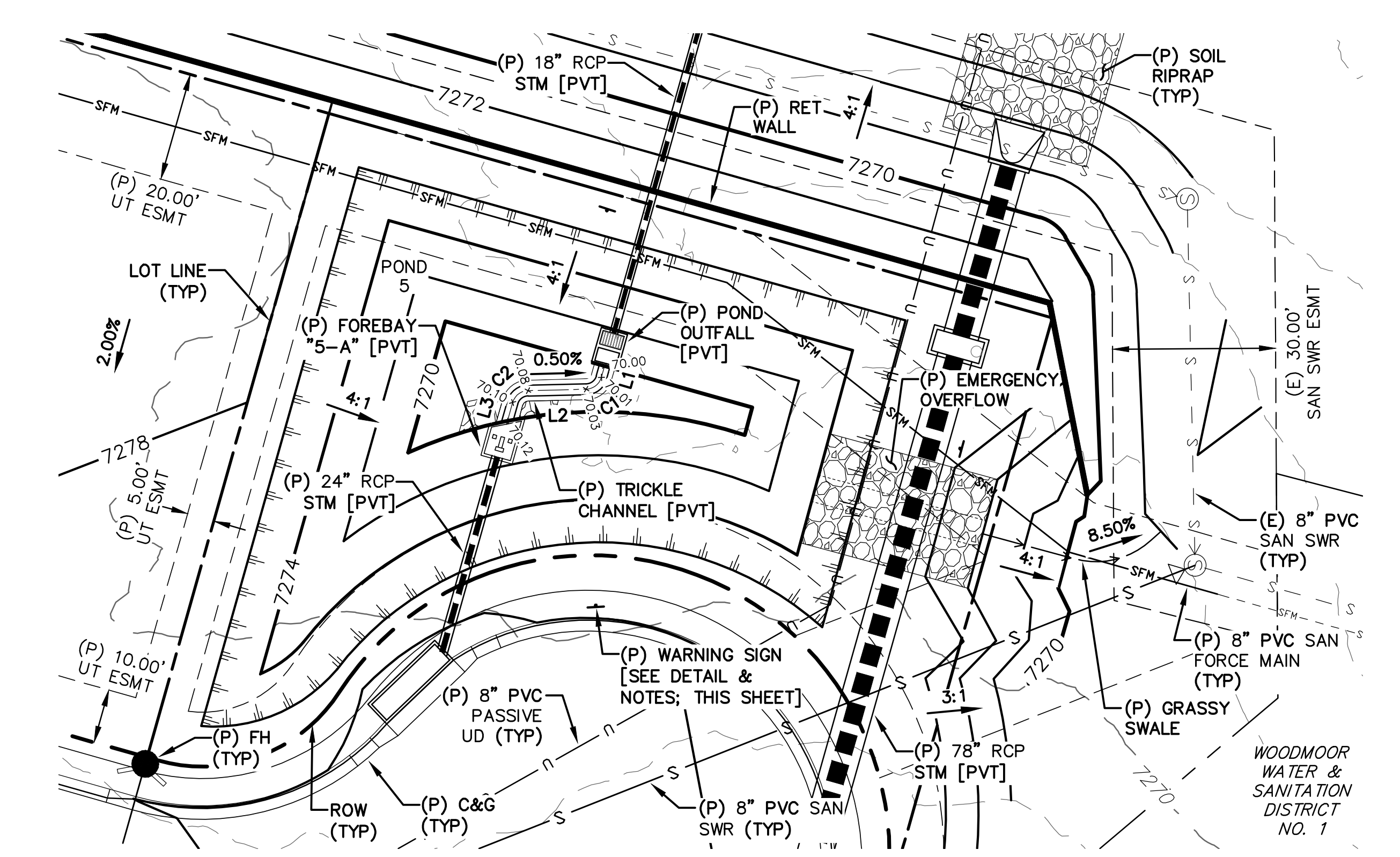
FOREBAY "5-A"
SCALE: N.T.S.


3" (TYP)
3"
1'-0" NOTCH
5/16" TEMP. FOREBAY PLATE PROVIDE GASKET* BETWEEN PLATE & CONCRETE (TYP)
1'-0"
STAINLESS STEEL BOLT (TYP)
FOREBAY WALL (TYP)
11"
11"
3.7"

FOREBAY "5-A" TEMP. NOTCH PLATES
SCALE: N.T.S.


4-1/2"
24"
4-1/2"
A C
C A
12"
D
D
12"
6"
36"
RADII LEGEND:
A = 1/2"
B = 1-1/2"
C = 1-1/2" TO 2"
LONGITUDINAL SLOPE = 0.5%

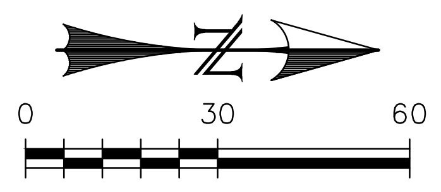
CONCRETE TRICKLE CHANNEL
SCALE: N.T.S.


(P) 18" RCP STM [PVT]
(P) SOIL RIPRAP (TYP)
(P) RET. WALL
20.00' UT ESMT
LOT LINE (TYP)
2.00%
POND 5
(P) FOREBAY "5-A" [PVT]
0.50%
L1 L2 L3 C1 C2
(P) POND OUTFALL [PVT]
(P) EMERGENCY OVERFLOW
30.00' SAN SWR ESMT
(P) 24" RCP STM [PVT]
(P) TRICKLE CHANNEL [PVT]
(E) 8" PVC SAN SWR (TYP)
8.50%
(P) 8" PVC SAN FORCE MAIN (TYP)
10.00' UT ESMT
(P) WARNING SIGN [SEE DETAIL & NOTES; THIS SHEET]
(P) 8" PVC PASSIVE UD (TYP)
(P) FH (TYP)
ROW (TYP)
(P) C&G (TYP)
(P) 8" PVC SAN SWR (TYP)
(P) 78" RCP STM [PVT]
(P) GRASSY SWALE
WOODMOOR WATER & SANITATION DISTRICT NO. 1
7272
7270
7278

LINE TABLE — CL		
LINE	BEARING	DISTANCE
L1	S74° 13' 43"E	2.17
L2	S1° 26' 08"E	10.71
L3	S74° 13' 43"E	3.57

CURVE TABLE — CL			
CURVE	DELTA	RADIUS	LENGTH
C1	72°47'36"	3.00	3.81
C2	72°47'36"	3.00	3.81

POND 5 - FULL-SPECTRUM EXTENDED DETENTION BASIN [PVT]
SCALE: 1" = 30'



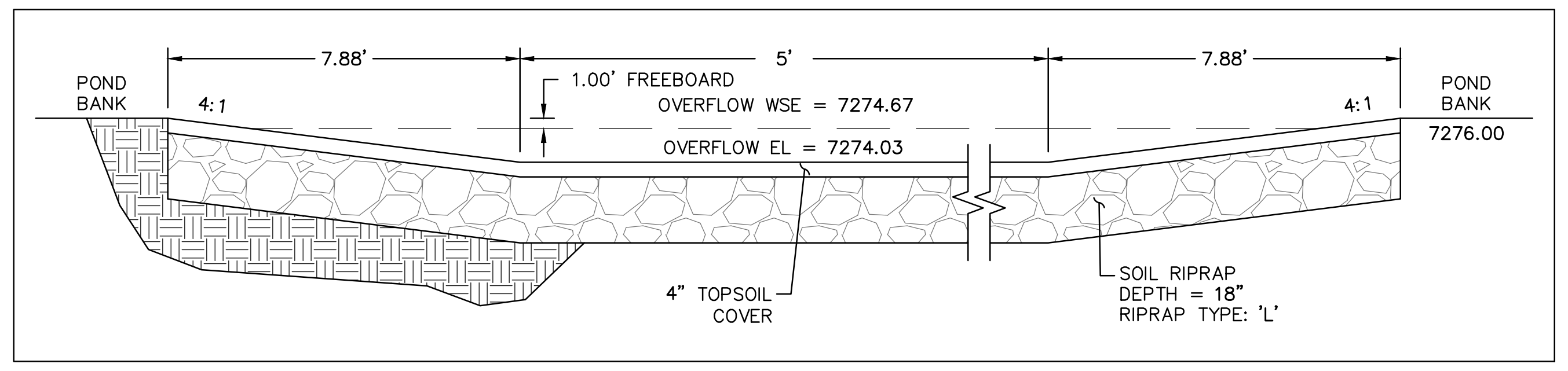
SCALE: 1" = 30'

NOTES:

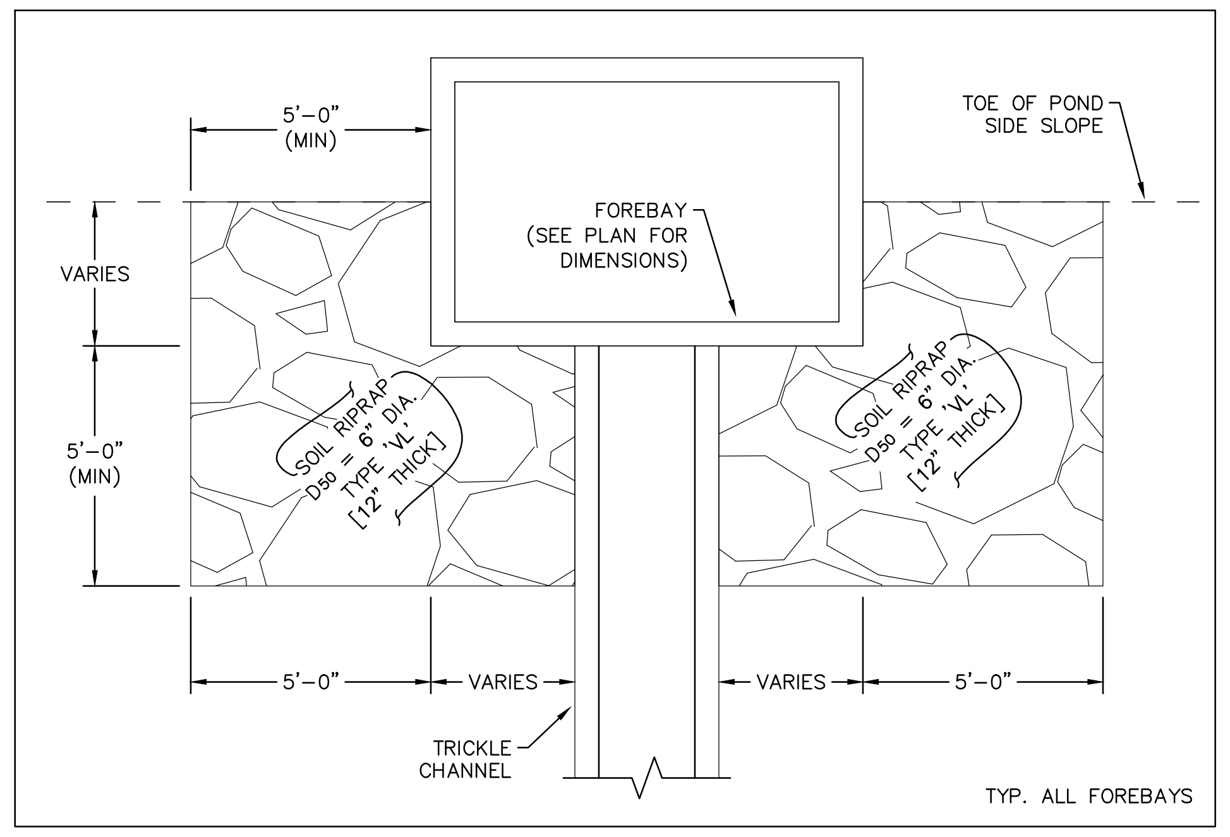
1. EXISTING VEGETATION SHALL REMAIN IN PLACE (IF POSSIBLE) AND SEE FINAL LANDSCAPE PLAN FOR FINAL POND REVEGETATION.
2. SLOPE POND BOTTOM 2.00% FROM TOE TO TRICKLE CHANNEL.

SOIL MIXING NOTE:

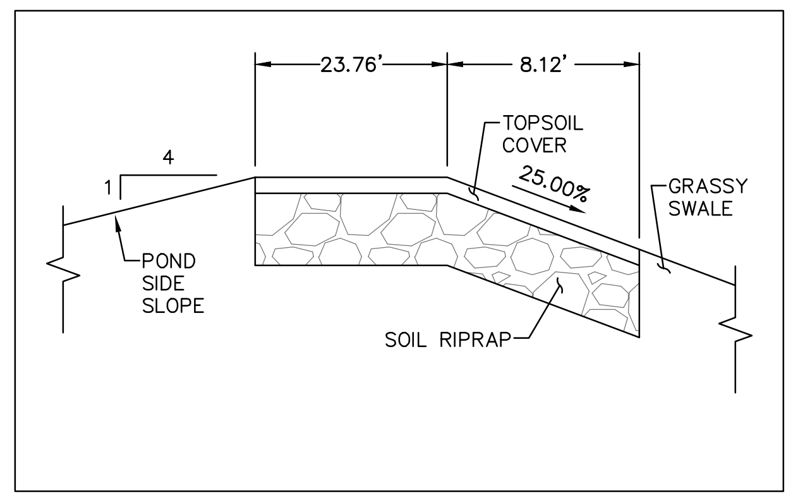
PER MHFD SPECIFICATION SECTION 31-37-00, THE SOIL MATERIAL SHALL BE NATIVE OR TOPSOIL MIXED WITH 65% RIPRAP AND 35% SOIL BY VOLUME. Soil RIPRAP SHALL CONSIST OF A UNIFORM MIXTURE OF SOIL AND RIPRAP WITHOUT VOIDS.


7.88'
5'
7.88'
POND BANK
4:1
1.00' FREEBOARD
OVERFLOW WSE = 7274.67
OVERFLOW EL = 7274.03
4:1
POND BANK
7276.00
4" TOPSOIL COVER
SOIL RIPRAP DEPTH = 18" RIPRAP TYPE: 'L'

POND OVERFLOW WEIR DETAIL
SCALE: N.T.S.


5'-0" (MIN)
TOE OF POND SIDE SLOPE
FOREBAY (SEE PLAN FOR DIMENSIONS)
VARIES
SOIL RIPRAP D50 = 6" DIA TYPE 'VL' (12" THICK)
SOIL RIPRAP D50 = 6" DIA TYPE 'VL' (12" THICK)
5'-0" (MIN)
5'-0"
VARIES
VARIES
5'-0"
TRICKLE CHANNEL
TYP. ALL FOREBAYS

FOREBAY OVERFLOW RIPRAP DETAIL
SCALE: N.T.S.


23.76'
8.12'
4
1
TOPSOIL COVER
25.00%
GRASSY SWALE
POND SIDE SLOPE
SOIL RIPRAP

POND OVERFLOW SPILLWAY PROFILE
SCALE: N.T.S.

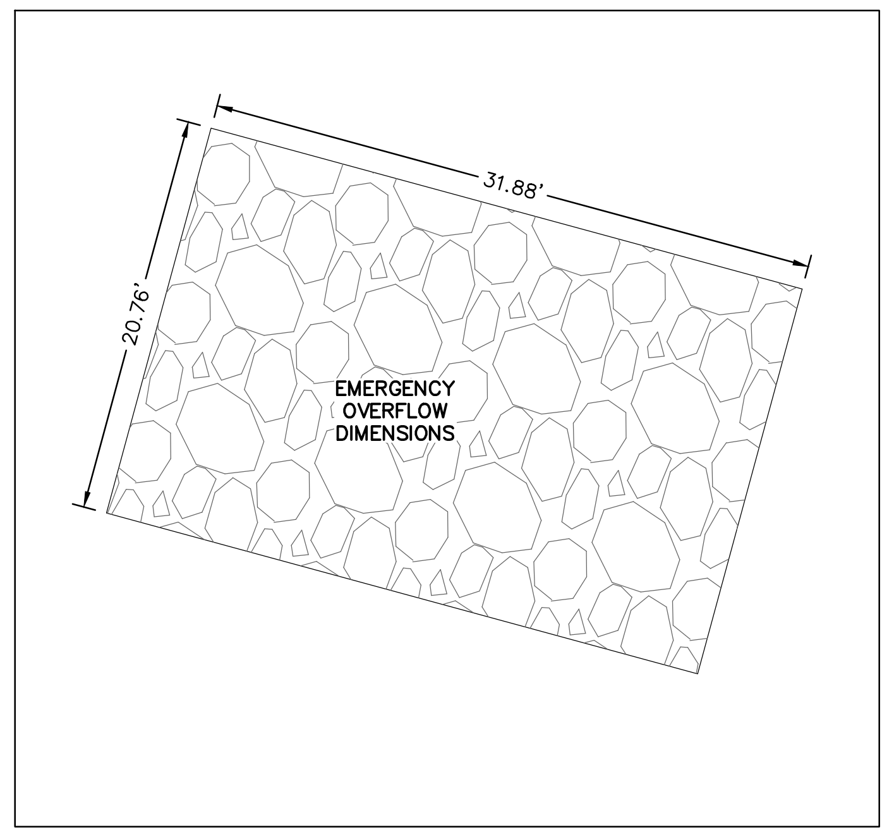
WARNING

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

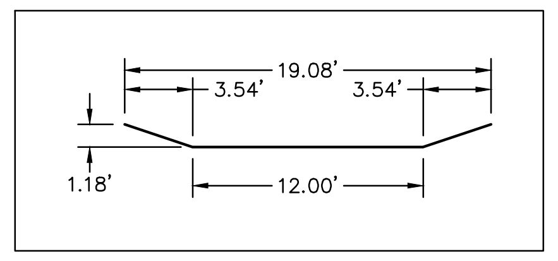
NOTES:

- SIGN SHALL BE A MINIMUM OF 3 SF.
- SIGN SHALL BE FABRICATED OF DURABLE MATERIALS SUCH AS METAL OR PLASTIC.
- SIGN SHALL HAVE RED LETTERING ON A WHITE BACKGROUND.

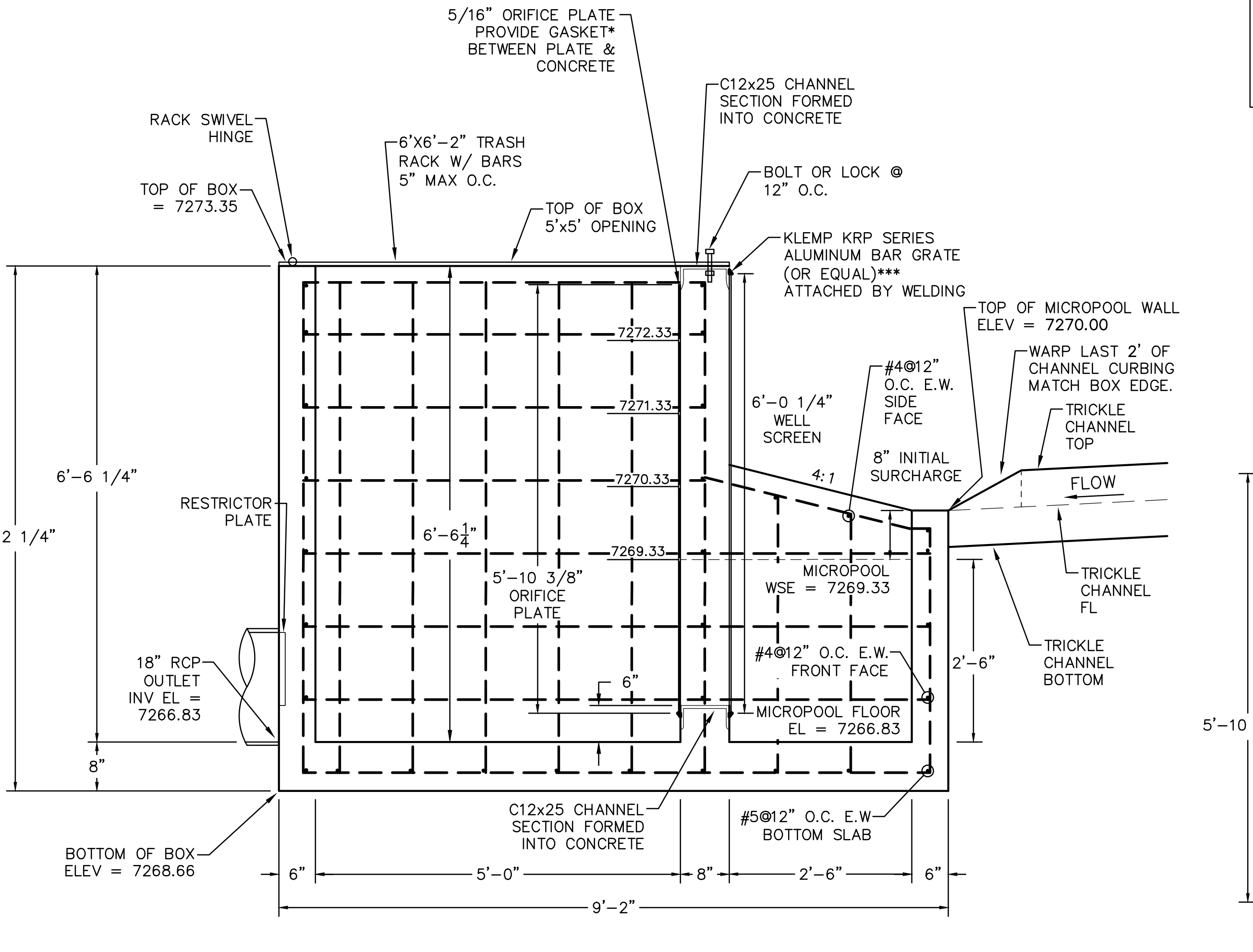
WARNING SIGN DETAIL
SCALE: N.T.S.


31.88'
20.76'
EMERGENCY OVERFLOW DIMENSIONS

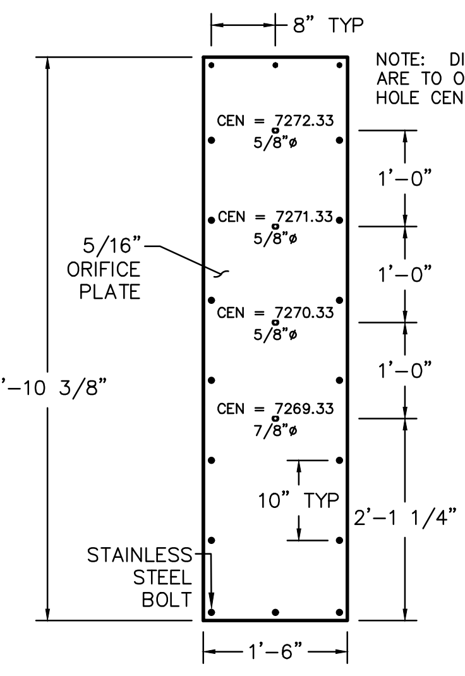
EMERGENCY OVERFLOW DIMENSIONS
SCALE: N.T.S.


19.08'
3.54'
3.54'
1.18'
12.00'

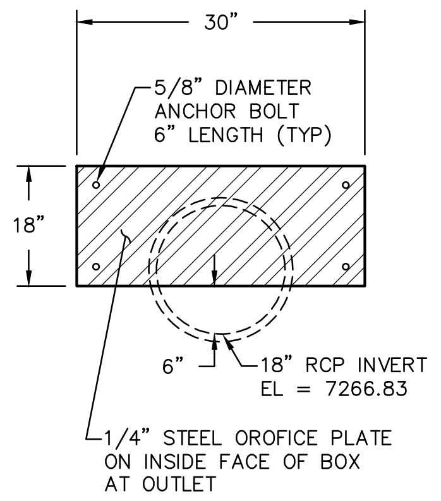
TRAPEZOIDAL GRASSY SWALE DETAIL
SCALE: N.T.S.


5/16" ORIFICE PLATE PROVIDE GASKET* BETWEEN PLATE & CONCRETE
C12x25 CHANNEL SECTION FORMED INTO CONCRETE
RACK SWIVEL HINGE
6'X6'-2" TRASH RACK W/ BARS 5" MAX O.C.
BOLT OR LOCK @ 12" O.C.
TOP OF BOX = 7273.35
TOP OF BOX 5'x5' OPENING
KLEMP KRP SERIES ALUMINUM BAR GRATE (OR EQUAL)*** ATTACHED BY WELDING
TOP OF MICROPOOL WALL ELEV = 7270.00
WARP LAST 2' OF CHANNEL CURBING MATCH BOX EDGE.
#4@12" O.C. E.W. SIDE FACE
TRICKLE CHANNEL TOP
6'-0 1/4" WELL SCREEN
8" INITIAL SURCHARGE
4:1
FLOW
7272.33
7271.33
7270.33
7269.33
6'-6 1/4"
7'-2 1/4"
RESTRICTOR PLATE
6'-6 1/4"
5'-10 3/8" ORIFICE PLATE
MICROPOOL WSE = 7269.33
TRICKLE CHANNEL FL
TRICKLE CHANNEL BOTTOM
#4@12" O.C. E.W. FRONT FACE
2'-6"
18" RCP OUTLET INV EL = 7266.83
6"
MICROPOOL FLOOR EL = 7266.83
8"
C12x25 CHANNEL SECTION FORMED INTO CONCRETE
#5@12" O.C. E.W BOTTOM SLAB
BOTTOM OF BOX ELEV = 7268.66
6"
5'-0"
8"
2'-6"
6"
9'-2"

SECTION B-B
SCALE: N.T.S.


8" TYP
NOTE: DIMENSIONS ARE TO ORIFICE HOLE CENTROIDS
CEN = 7272.33 5/8"ø
CEN = 7271.33 5/8"ø
CEN = 7270.33 5/8"ø
CEN = 7269.33 7/8"ø
1'-0"
1'-0"
1'-0"
5/16" ORIFICE PLATE
5'-10 3/8"
10" TYP
2'-1 1/4"
STAINLESS STEEL BOLT
1'-6"

ORIFICE PLATE - INTERIM & FINAL
SCALE: N.T.S.


30"
5/8" DIAMETER ANCHOR BOLT 6" LENGTH (TYP)
18"
6"
18" RCP INVERT EL = 7266.83
1/4" STEEL OROFICE PLATE ON INSIDE FACE OF BOX AT OUTLET

RESTRICTOR PLATE
SCALE: N.T.S.

CDOT GENERAL NOTES:

1. CONCRETE SHALL BE CLASS B. INLET MAY BE CAST-IN-PLACE OR PRECAST.
2. REINFORCING BARS SHALL HAVE A MINIMUM 2 IN. CLEARANCE.
3. CONCRETE SLOPE AND DITCH PAVING SHALL CONFORM TO SECTION 507. REINFORCEMENT FOR CONCRETE SLOPE PAVING SHALL BE 6 X 6 — W1.4 X W1.4 OR 6 X 6 — W2.1 X W2.1.
4. STRUCTURAL STEEL FOR GRATES AND GRATE INSTALLATION HARDWARE SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH 712.06.
5. THE STANDARD INLET GRATES SHALL BE USED ON ALL TYPE C INLETS UNLESS CLOSE MESH GRATES ARE SPECIFIED ON THE PLANS.
6. STEPS SHALL BE PROVIDED WHEN INLET DIMENSION "H" EXCEEDS 3 FT.—6 IN. AND SHALL BE IN ACCORDANCE WITH AASHTO M 199.
7. SEE SHEET M—604—11, INLET, TYPE D, FOR REINFORCEMENT AROUND THE PIPE OPENING.

♦ CONCRETE SLOPE AND DITCH PAVING WILL BE REQUIRED WHEN SHOWN ON PLANS.

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

811 Know what's below. Call 72 hours before you dig.
For more details visit: www.call811.com

* THE GASKET SHALL BE MADE OF 1/4—INCH THICK, 60 DUROMETER EPDM RUBBER IN A CONTINUOUS SHEET THE SIZE OF THE ORIFICE PLATE. THE SHEET SHALL BE PLACED BETWEEN THE ORIFICE PLATE AND THE CONCRETE WALL, WITH THE WIDTH OF THE OVERLAP BETWEEN THE PLATE AND THE CONCRETE. OPENINGS SHALL BE CUT INTO THE SHEET CORRESPONDING TO THE PLATE BOLT HOLES AND THE CONCRETE WALL OPENING, CUTS MADE EITHER BY THE CONTRACTOR IN THE FIELD OR BY THE MANUFACTURER (OR EQUIVALENT GASKET APPROVED BY EL PASO COUNTY). NOTE THAT CAULK IS NOT AN APPROVED EQUIVALENT AND WILL NOT BE ACCEPTED BY EL PASO COUNTY.

** JOHNSON VEE WIRE TYPE AND BAR GRATES SHOULD BE MANUFACTURED WITH EXTERIOR BARS IN THE VERTICAL ORIENTATION.

*** ALSO ACCEPTABLE: AMICO 19—SR—2 OR 19—SR—4 AND THE AMICO 19—W—2 OR 19—W—4.

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
POND DETAIL PLANS
- POND 5 - [PVT]

DESIGNED BY: REP	DRAWN BY: MGP
SCALE: VARIES	DATE: 04/08/25
JOB NUMBER	SHEET
24-001	8 OF 29

* SAWCUT & PAVEMENT NOTES:

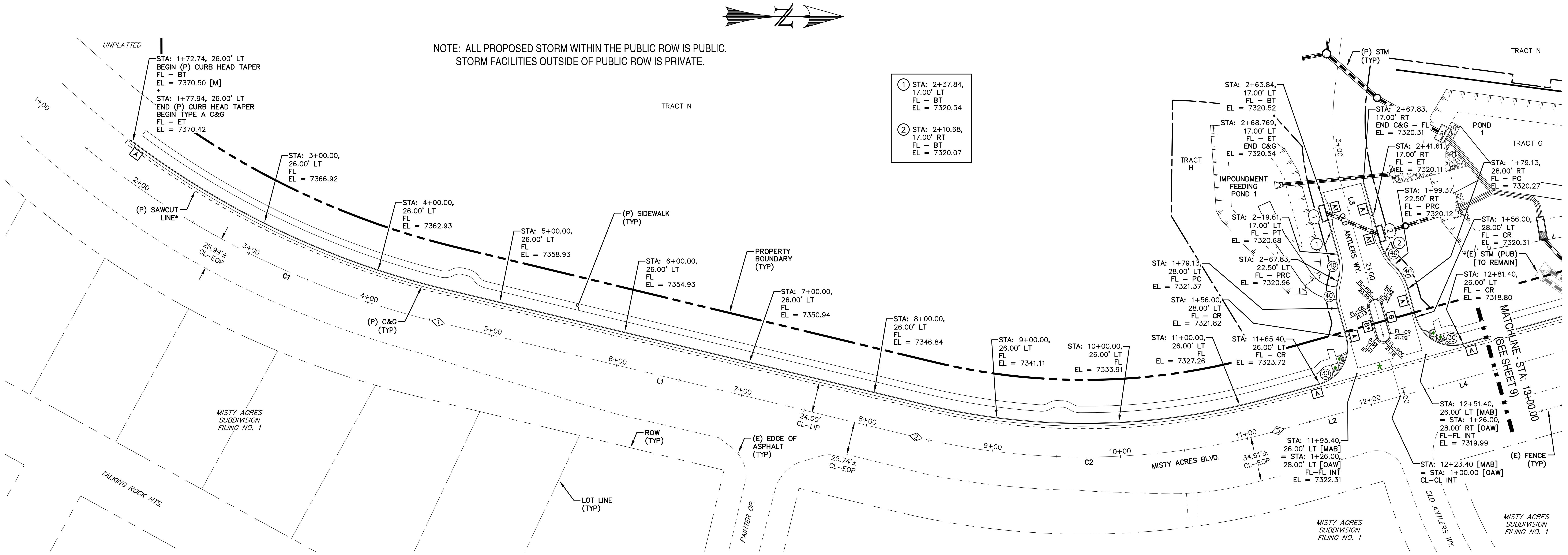
1. EXISTING PAVEMENT MAY BE ROUGH CUT INITIALLY.
2. A SQUARE VERTICAL CUT SHALL BE MADE IN THE EXISTING A.C. PAVEMENT AFTER PLACEMENT OF BACKFILL PRIOR TO PAVEMENT REPLACEMENT.
3. THICKNESS OF NEW A.C. PAVEMENT AND BASE COURSE REPLACEMENT SHALL BE:

   4" A.C. WITH 12" BASE,
   OR
   8" A.C. FULL DEPTH,
   OR
   MATCH EXISTING,
   OR
   PER GEOTECHNICAL ENGINEERS RECOMMENDATION, WHICHEVER IS GREATER.

LINE TABLE – CL		
LINE	BEARING	DISTANCE
L1	N13° 30' 52"E	382.56
L2	N15° 34' 31"W	99.01
L3	S74° 25' 29"W	167.83
L4	N15° 34' 31"W	276.60

CURVE TABLE – CL			
CURVE	DELTA	RADIUS	LENGTH
C1	23°34'50"	690.71	284.27
C2	29°05'22"	561.00	284.82

NOTE: ALL PROPOSED STORM WITHIN THE PUBLIC ROW IS PUBLIC.
STORM FACILITIES OUTSIDE OF PUBLIC ROW IS PRIVATE.

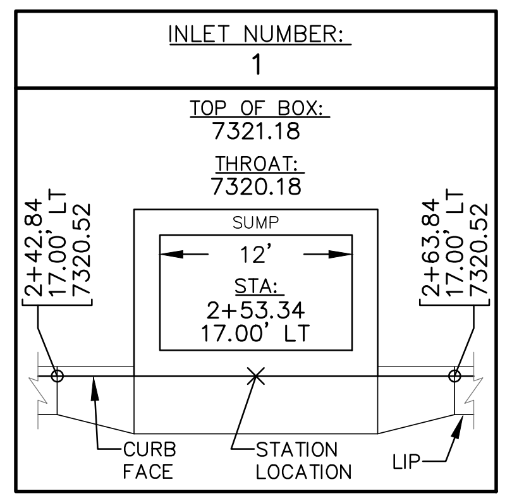

UNPLATTED
STA: 1+72.74, 26.00' LT
BEGIN (P) CURB HEAD TAPER
FL – BT
EL = 7370.50 [M]
STA: 1+77.94, 26.00' LT
END (P) CURB HEAD TAPER
BEGIN TYPE A C&G
FL – ET
EL = 7370.42
TRACT N
① STA: 2+37.84, 17.00' LT, FL – BT, EL = 7320.54
② STA: 2+10.68, 17.00' RT, FL – BT, EL = 7320.07
1+00
2+00
3+00
4+00
5+00
6+00
7+00
8+00
9+00
10+00
11+00
12+00
(P) SAWCUT LINE*
25.99'± CL–EOP
STA: 3+00.00, 26.00' LT, FL, EL = 7366.92
STA: 4+00.00, 26.00' LT, FL, EL = 7362.93
STA: 5+00.00, 26.00' LT, FL, EL = 7358.93
(P) SIDEWALK (TYP)
STA: 6+00.00, 26.00' LT, FL, EL = 7354.93
PROPERTY BOUNDARY (TYP)
STA: 7+00.00, 26.00' LT, FL, EL = 7350.94
STA: 8+00.00, 26.00' LT, FL, EL = 7346.84
STA: 9+00.00, 26.00' LT, FL, EL = 7341.11
STA: 10+00.00, 26.00' LT, FL, EL = 7333.91
STA: 11+00.00, 26.00' LT, FL, EL = 7327.26
STA: 11+65.40, 26.00' LT, FL – CR, EL = 7323.72
C1
L1
C2
L2
L4
L3
(P) C&G (TYP)
24.00' CL–LIP
ROW (TYP)
(E) EDGE OF ASPHALT (TYP)
25.74'± CL–EOP
34.61'± CL–EOP
MISTY ACRES SUBDIVISION FILING NO. 1
TALKING ROCK HTS.
LOT LINE (TYP)
PAINTER DR.
MISTY ACRES BLVD.
OLD ANTLERS WY.
OLD ANTLERS WY.
(P) STM (TYP)
TRACT N
TRACT H
TRACT G
POND 1
IMPOUNDMENT FEEDING POND 1
STA: 2+63.84, 17.00' LT, FL – BT, EL = 7320.52
STA: 2+68.769, 17.00' LT, FL – ET, END C&G, EL = 7320.54
STA: 2+67.83, 17.00' RT, END C&G – FL, EL = 7320.31
STA: 2+41.61, 17.00' RT, FL – ET, EL = 7320.11
STA: 1+79.13, 28.00' RT, FL – PC, EL = 7320.27
STA: 1+99.37, 22.50' RT, FL – PRC, EL = 7320.12
STA: 2+19.61, 17.00' LT, FL – PT, EL = 7320.68
STA: 2+67.83, 22.50' LT, FL – PRC, EL = 7320.96
STA: 1+56.00, 28.00' LT, FL – CR, EL = 7320.31
(E) STM (PUB) [TO REMAIN]
STA: 1+79.13, 28.00' LT, FL – PC, EL = 7321.37
STA: 1+56.00, 28.00' LT, FL – CR, EL = 7321.82
STA: 12+81.40, 26.00' LT, FL – CR, EL = 7318.80
MATCHLINE – STA: 13+00.00 (SEE SHEET 9)
STA: 11+95.40, 26.00' LT [MAB] = STA: 1+26.00, 28.00' LT [OAW], FL–FL INT, EL = 7322.31
STA: 12+51.40, 26.00' LT [MAB] = STA: 1+26.00, 28.00' RT [OAW], FL–FL INT, EL = 7319.99
STA: 12+23.40 [MAB] = STA: 1+00.00 [OAW], CL–CL INT
(E) FENCE (TYP)
MISTY ACRES SUBDIVISION FILING NO. 1
A
30

MISTY ACRES BOULEVARD
(120' ROW)
STA: 1+00 ~ 13+00
NON-RESIDENTIAL COLLECTOR (MODIFIED)
30 MPH

OLD ANTLERS ROAD
(50' ROW)
STA: 1+00 ~ 2+70
URBAN LOCAL
25 MPH

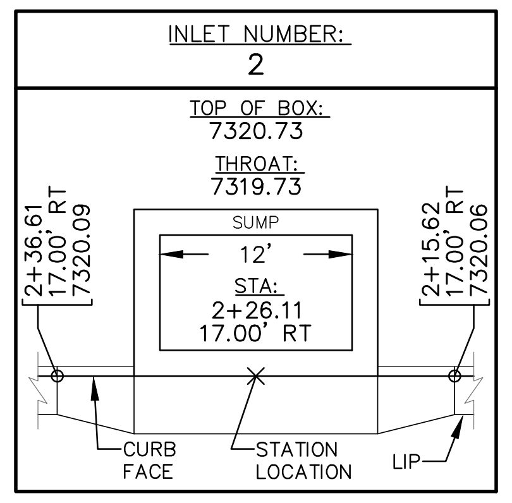
0 50 100
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

INLET NUMBER:
1

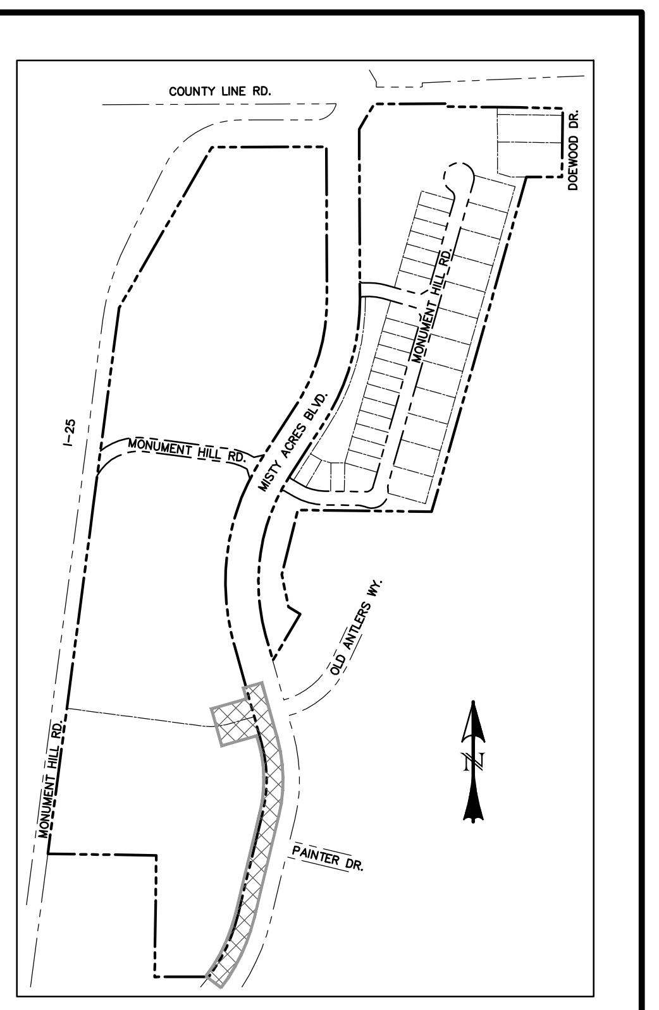

TOP OF BOX:
7321.18
THROAT:
7320.18
SUMP
12'
STA:
2+53.34
17.00' LT
2+42.84
17.00' LT
7320.52
2+63.84
17.00' LT
7320.52
CURB FACE
STATION LOCATION
LIP

INLET DATA
SCALE: N.T.S.

INLET NUMBER:
2


TOP OF BOX:
7320.73
THROAT:
7319.73
SUMP
12'
STA:
2+26.11
17.00' RT
2+36.61
17.00' RT
7320.09
2+15.62
17.00' RT
7320.06
CURB FACE
STATION LOCATION
LIP

INLET DATA
SCALE: N.T.S.


COUNTY LINE RD.
I-25
MISTY ACRES BLVD.
PAINTER DR.
OLD ANTLERS WY.
N

LOCATION MAP
SCALE: N.T.S.

POINT TABLE - CL		
NUMBER	STATION	TYPE
1	4+57.01	PT
2	8+39.57	PC
3	11+24.39	PT

♦ INTERSECTION PED. RAMP (REF: SD_2-41)
* CROSSPAN (REF: SD_2-26)
A CURB TYPE CALL-OUT
(30) CURB RETURN RADIUS

7380
7370
7360
7350
7340
HIGH PT STA: 1+07.86
HIGH PT EL: 7370.96
PVI STA: 1+70.00
PVI EL: 7372.12
A.D.: -5.27%
K: 45.57
240.00' VC
[LT]
FULL VERTICAL CURVE SHOWN FOR REFERENCE (EXISTING)
BVCS: 0+50.00
BVCE: 7370.60
EVCS: 2+90.00
EVCE: 7367.32
STA: 1+72.74
BEGIN (P) CURBHEAD TAPER
FL [LT]
FL EL = 7370.50 [M]
STA: 1+77.94
END (P) CURB HEAD TAPER
BEGIN TYPE A C&G [LT]
FL EL = 7370.42
(E) GRADE
CL
(P) GRADE
FL [LT]
-4.00%
MATCHLINE - STA: 6+50.00 (SEE THIS SHEET)
7380 7350
7370 7340
7360 7330
7350 7320
7340 7310
PVI STA: 8+45.00
PVI EL: 7345.14
A.D.: -3.25%
K: 46.15
150.00' VC
[LT]
BVCS: 7+70.00
BVCE: 7348.14
EVCS: 9+20.00
EVCE: 7339.71
(P) GRADE
FL [LT]
(E) GRADE
CL
-7.25%
PVI STA: 11+20.00
PVI EL: 7325.21
A.D.: 3.28%
K: 67.14
220.00' VC
[LT]
BVCS: 10+10.00
BVCE: 7333.18
EVCS: 12+30.00
EVCE: 7320.84
-3.97%
STA: 12+23.40
CL–CL INT
OLD ANTLERS WAY
MATCHLINE - STA: 13+00.00 (SEE SHEET 9)
7350 7360
7340 7350
7330 7340
7320 7330
7310 7320
PVI STA: 1+57.00
PVI EL: 7321.84
A.D.: -0.66%
K: 75.89
50.00' VC
[LT]
BVCS: 1+32.00
BVCE: 7322.22
EVCS: 1+82.00
EVCE: 7321.31
FULL VERTICAL CURVE SHOWN FOR REFERENCE
LOW PT STA: 2+53.34
LOW PT EL: 7320.50
PVI STA: 2+35.00
PVI EL: 7320.16
A.D.: 3.16%
K: 31.66
100.00' VC
[LT]
BVCS: 1+85.00
BVCE: 7321.24
EVCS: 2+85.00
EVCE: 7320.66
STA: 1+26.00
FL–FL INT [LT]
EL = 7322.31
(P) GRADE
FL [LT]
-1.50%
-2.16%
1.00%
1.50%
1.50%
-0.86%
STA: 2+68.76
END C&G [LT]
EL = 7320.54
(P) GRADE
FL [RT]
STA: 2+67.83
END C&G [RT]
EL = 7320.31
(E) GRADE
CL
STA: 1+26.00
FL–FL INT [RT]
EL = 7319.99
BVCS: 1+32.00
BVCE: 7320.08
EVCS: 1+82.00
EVCE: 7320.24
BVCS: 1+85.00
BVCE: 7320.22
EVCS: 2+85.00
EVCE: 7320.64
50.00' VC
[RT]
100.00' VC
[RT]
HIGH PT STA: 1+63.76
HIGH PT EL: 7320.32
PVI STA: 1+57.00
PVI EL: 7320.46
A.D.: -2.36%
K: 21.17
LOW PT STA: 2+21.48
LOW PT EL: 7320.06
PVI STA: 2+35.00
PVI EL: 7319.79
A.D.: 2.36%
K: 42.34
MISTY ACRES BOULEVARD
MISTY ACRES BOULEVARD
OLD ANTLERS WAY
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
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	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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STREET NAME ABREVIATIONS:

MISTY ACRES BOULEVARD = MAB
MONUMENT HILL ROAD [EAST] = MHE
MONUMENT HILL ROAD [WEST] = MHW
SNOWY TOP DRIVE = STD
COUNTY LINE ROAD (SECTION LINE) = CLR
[CENTER LINE BASED ON THE NORTH LINE OF THE SW 1/4 OF SECTION 2, T11S, R67W]

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
STREET IMPROVEMENT
PLAN & PROFILE

DESIGNED BY: MGP
DRAWN BY: MGP
SCALE: 1" = 50'
DATE: 04/08/25
JOB NUMBER: 24-001
SHEET: 9 OF 29

* SAWCUT & PAVEMENT NOTES:

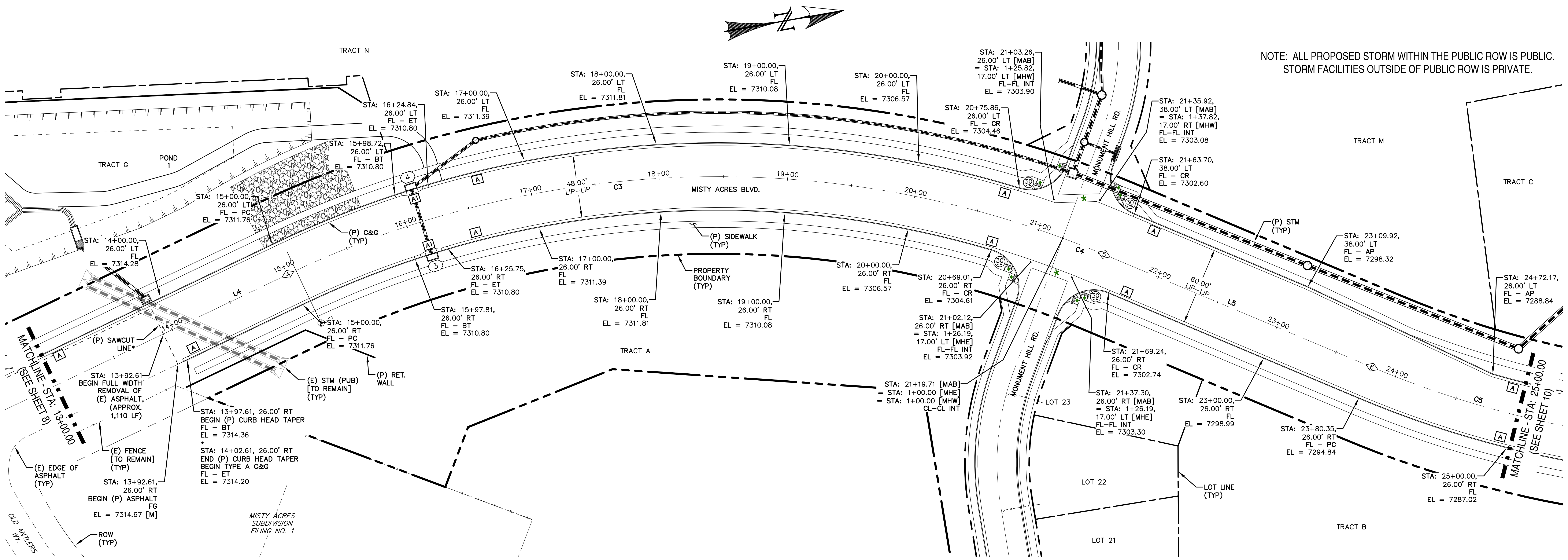
1. EXISTING PAVEMENT MAY BE ROUGH CUT INITIALLY.
2. A SQUARE VERTICAL CUT SHALL BE MADE IN THE EXISTING A.C. PAVEMENT AFTER PLACEMENT OF BACKFILL PRIOR TO PAVEMENT REPLACEMENT.
3. THICKNESS OF NEW A.C. PAVEMENT AND BASE COURSE REPLACEMENT SHALL BE:

   4" A.C. WITH 12" BASE,
   OR
   8" A.C. FULL DEPTH,
   OR
   MATCH EXISTING,
   OR
   PER GEOTECHNICAL ENGINEERS RECOMMENDATION, WHICHEVER IS GREATER.

LINE TABLE – CL		
LINE	BEARING	DISTANCE
L4	N15° 34' 31"W	276.60
L5	N32° 47' 55"E	226.03

CURVE TABLE – CL			
CURVE	DELTA	RADIUS	LENGTH
C3	45°48'55"	775.00	619.71
C4	2°33'30"	775.00	34.60
C5	33°01'33"	775.00	446.72

NOTE: ALL PROPOSED STORM WITHIN THE PUBLIC ROW IS PUBLIC.
STORM FACILITIES OUTSIDE OF PUBLIC ROW IS PRIVATE.



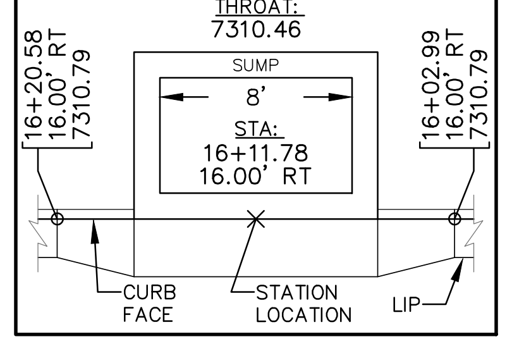
N
TRACT N
TRACT G
POND 1
TRACT M
TRACT C
TRACT A
TRACT B
LOT 23
LOT 22
LOT 21
MISTY ACRES BLVD.
MONUMENT HILL RD.
OLD ANTLERS WY.
MISTY ACRES SUBDIVISION FILING NO. 1
MATCHLINE - STA: 13+00.00 (SEE SHEET 8)
MATCHLINE - STA: 25+00.00 (SEE SHEET 10)
STA: 14+00.00, 26.00' LT FL EL = 7314.28
STA: 15+00.00, 26.00' LT FL – PC EL = 7311.76
STA: 15+98.72, 26.00' LT FL – BT EL = 7310.80
STA: 16+24.84, 26.00' LT FL – ET EL = 7310.80
STA: 17+00.00, 26.00' LT FL EL = 7311.39
STA: 18+00.00, 26.00' LT FL EL = 7311.81
STA: 19+00.00, 26.00' LT FL EL = 7310.08
STA: 20+00.00, 26.00' LT FL EL = 7306.57
STA: 20+75.86, 26.00' LT FL – CR EL = 7304.46
STA: 21+03.26, 26.00' LT [MAB] = STA: 1+25.82, 17.00' LT [MHW] FL–FL INT EL = 7303.90
STA: 21+35.92, 38.00' LT [MAB] = STA: 1+37.82, 17.00' RT [MHW] FL–FL INT EL = 7303.08
STA: 21+63.70, 38.00' LT FL – CR EL = 7302.60
STA: 23+09.92, 38.00' LT FL – AP EL = 7298.32
STA: 24+72.17, 26.00' LT FL – AP EL = 7288.84
STA: 14+00
STA: 13+92.61 BEGIN FULL WIDTH REMOVAL OF (E) ASPHALT (APPROX. 1,110 LF)
STA: 13+92.61, 26.00' RT BEGIN (P) ASPHALT FG EL = 7314.67 [M]
STA: 13+97.61, 26.00' RT BEGIN (P) CURB HEAD TAPER FL – BT EL = 7314.36
STA: 14+02.61, 26.00' RT END (P) CURB HEAD TAPER BEGIN TYPE A C&G FL – ET EL = 7314.20
STA: 15+00.00, 26.00' RT FL – PC EL = 7311.76
STA: 15+97.81, 26.00' RT FL – BT EL = 7310.80
STA: 16+25.75, 26.00' RT FL – ET EL = 7310.80
STA: 17+00.00, 26.00' RT FL EL = 7311.39
STA: 18+00.00, 26.00' RT FL EL = 7311.81
STA: 19+00.00, 26.00' RT FL EL = 7310.08
STA: 20+00.00, 26.00' RT FL EL = 7306.57
STA: 20+69.01, 26.00' RT FL – CR EL = 7304.61
STA: 21+02.12, 26.00' RT [MAB] = STA: 1+26.19, 17.00' LT [MHE] FL–FL INT EL = 7303.92
STA: 21+19.71 [MAB] = STA: 1+00.00 [MHE] = STA: 1+00.00 [MHW] CL–CL INT
STA: 21+37.30, 26.00' RT [MAB] = STA: 1+26.19, 17.00' LT [MHE] FL–FL INT EL = 7303.30
STA: 21+69.24, 26.00' RT FL – CR EL = 7302.74
STA: 23+00.00, 26.00' RT FL EL = 7298.99
STA: 23+80.35, 26.00' RT FL – PC EL = 7294.84
STA: 25+00.00, 26.00' RT FL EL = 7287.02
(P) C&G (TYP)
(P) SIDEWALK (TYP)
PROPERTY BOUNDARY (TYP)
(P) SAWCUT LINE*
(E) STM (PUB) [TO REMAIN] (TYP)
(P) RET. WALL
(E) FENCE [TO REMAIN] (TYP)
(E) EDGE OF ASPHALT (TYP)
ROW (TYP)
(P) STM (TYP)
LOT LINE (TYP)
48.00' LIP–LIP
60.00' LIP–LIP
C3
C4
C5
L4
L5
15+00
16+00
17+00
18+00
19+00
20+00
21+00
22+00
23+00
24+00

MISTY ACRES BOULEVARD

(120' ROW)
STA: 13+00 ~ 25+00
NON-RESIDENTIAL COLLECTOR (MODIFIED)
30 MPH

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

INLET NUMBER: 3
TOP OF BOX: 7311.46
THROAT: 7310.46

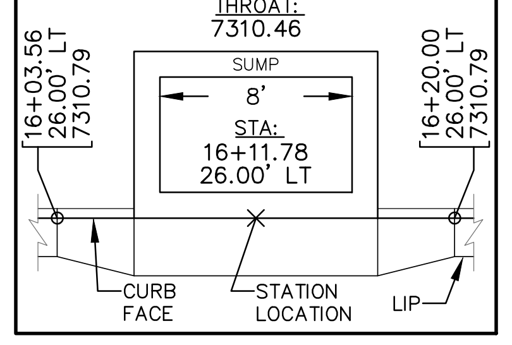


SUMP
8'
STA: 16+11.78 16.00' RT
16+20.58 16.00' RT 7310.79
16+02.99 16.00' RT 7310.79
CURB FACE
STATION LOCATION
LIP

INLET DATA

SCALE: N.T.S.

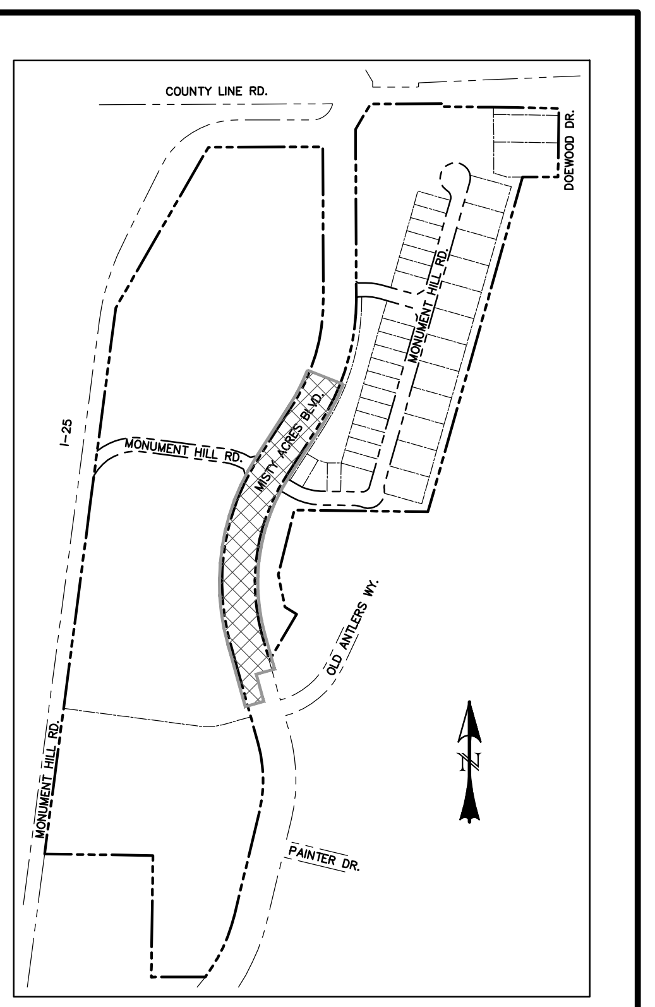
INLET NUMBER: 4
TOP OF BOX: 7311.46
THROAT: 7310.46



SUMP
8'
STA: 16+11.78 26.00' LT
16+03.56 26.00' LT 7310.79
16+20.00 26.00' LT 7310.79
CURB FACE
STATION LOCATION
LIP

INLET DATA

SCALE: N.T.S.



COUNTY LINE RD.
DOEWOOD DR.
MONUMENT HILL RD.
MISTY ACRES BLVD.
I-25
OLD ANTLERS WY.
PAINTER DR.
N

LOCATION MAP

SCALE: N.T.S.

POINT TABLE - CL		
NUMBER	STATION	TYPE
4	15+00.00	PC
5	21+54.32	PT
6	23+80.35	PC

♦	INTERSECTION PED. RAMP (REF: SD_2–41)
*	CROSSPAN (REF: SD_2–26)
A	CURB TYPE CALL–OUT
㉚	CURB RETURN RADIUS

7330
7320
7310
7300
7290
7330 7320
7320 7310
7310 7300
7300 7290
7290 7280
7320
7310
7300
7290
7280
MATCHLINE - STA: 13+00.00 (SEE SHEET 4)
MATCHLINE - STA: 21+50.00 (SEE THIS SHEET)
MATCHLINE - STA: 21+50.00 (SEE THIS SHEET)
MATCHLINE - STA: 25+00.00 (SEE SHEET 6)
LOW PT STA: 16+11.78
LOW PT EL: 7310.79
PVI STA: 15+35.00
PVI EL: 7309.25
A.D.: 4.99%
K: 64.17
320.00' VC
[LT & RT]
BVCS: 13+75.00 BVCE: 7315.16
EVCS: 16+95.00 EVCE: 7311.33
HIGH PT STA: 17+69.93
HIGH PT EL: 7311.91
PVI STA: 18+30.00
PVI EL: 7313.08
A.D.: –5.19%
K: 46.21
240.00' VC
[LT & RT]
BVCS: 17+10.00 BVCE: 7311.52
EVCS: 19+50.00 EVCE: 7308.40
PVI STA: 20+35.00
PVI EL: 7305.09
A.D.: 2.15%
K: 69.87
150.00' VC
[LT & RT]
BVCS: 19+60.00 BVCE: 7308.01
EVCS: 21+10.00 EVCE: 7303.78
PVI STA: 22+95.00
PVI EL: 7300.54
A.D.: –4.85%
K: 45.34
220.00' VC
[LT & RT]
BVCS: 21+85.00 BVCE: 7302.46
EVCS: 24+05.00 EVCE: 7293.28
BVCS: 24+85.00 BVCE: 7288.00
–3.69%
1.30%
–3.90%
–1.75%
–1.75%
–6.60%
(E) GRADE @ CL
(P) GRADE @ FL [LT & RT]
(P) GRADE @ FL [LT & RT]
(E) GRADE @ CL
STA: 21+19.71 CL–CL INT MONUMENT HILL ROAD (EAST & WEST)
13+00
14+00
15+00
16+00
17+00
18+00
19+00
20+00
21+00
22+00
23+00
24+00
25+00

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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MISTY ACRES BOULEVARD = MAB
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MONUMENT HILL ROAD [WEST] = MHW
SNOWY TOP DRIVE = STD
COUNTY LINE ROAD (SECTION LINE) = CLR
[CENTER LINE BASED ON THE NORTH LINE OF THE SW 1/4 OF SECTION 2, T11S, R67W]

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

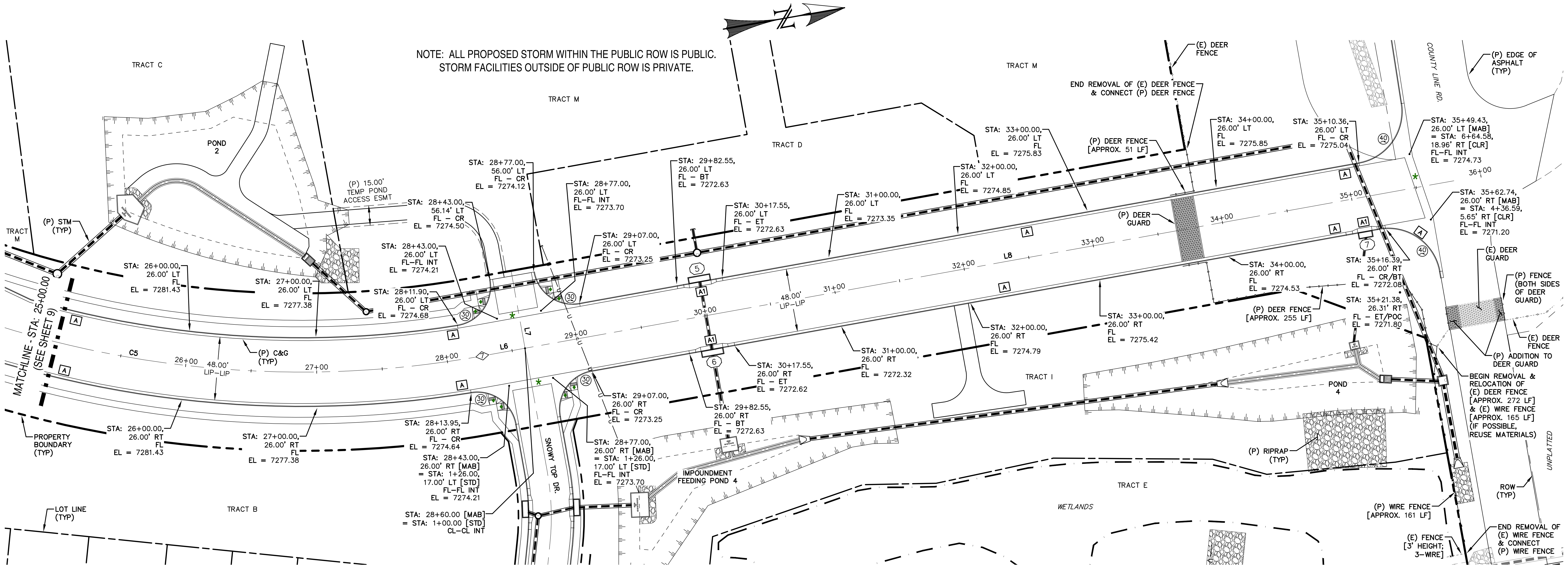
MONUMENT RIDGE EAST
FILING NO. 1
STREET IMPROVEMENT
PLAN & PROFILE

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 50'	DATE: 04/08/25
JOB NUMBER	SHEET
24–001	10 OF 29

LINE TABLE – CL		
LINE	BEARING	DISTANCE
L6	N0° 13' 38"W	32.94
L7	S89° 46' 22"W	56.07
L8	N0° 13' 38"W	719.19

CURVE TABLE – CL			
CURVE	DELTA	RADIUS	LENGTH
C5	33°01'33"	775.00	446.72

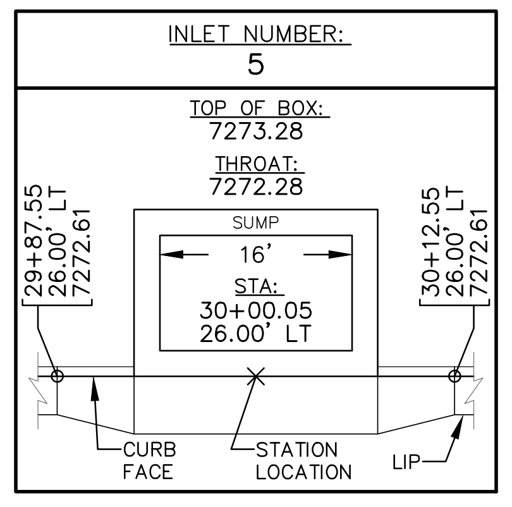
NOTE: ALL PROPOSED STORM WITHIN THE PUBLIC ROW IS PUBLIC.
STORM FACILITIES OUTSIDE OF PUBLIC ROW IS PRIVATE.


TRACT C
TRACT M
TRACT D
TRACT M
TRACT B
TRACT I
TRACT E
WETLANDS
UNPLATTED
POND 2
POND 4
COUNTY LINE RD.
SNOWY TOP DR.
(P) STM (TYP)
(P) 15.00' TEMP POND ACCESS ESMT
MATCHLINE - STA: 25+00.00 (SEE SHEET 9)
PROPERTY BOUNDARY (TYP)
LOT LINE (TYP)
(P) C&G (TYP)
48.00' LIP-LIP
C5
L6
L7
L8
26+00
27+00
28+00
29+00
30+00
31+00
32+00
33+00
34+00
35+00
36+00
STA: 26+00.00, 26.00' LT FL EL = 7281.43
STA: 27+00.00, 26.00' LT FL EL = 7277.38
STA: 26+00.00, 26.00' RT FL EL = 7281.43
STA: 27+00.00, 26.00' RT FL EL = 7277.38
STA: 28+77.00, 56.00' LT FL – CR EL = 7274.12
STA: 28+43.00, 56.14' LT FL – CR EL = 7274.50
STA: 28+43.00, 26.00' LT FL-FL INT EL = 7274.21
STA: 28+11.90, 26.00' LT FL – CR EL = 7274.68
STA: 28+77.00, 26.00' LT FL-FL INT EL = 7273.70
STA: 29+07.00, 26.00' LT FL – CR EL = 7273.25
STA: 29+82.55, 26.00' LT FL – BT EL = 7272.63
STA: 30+17.55, 26.00' LT FL – ET EL = 7272.63
STA: 28+13.95, 26.00' RT FL – CR EL = 7274.64
STA: 28+43.00, 26.00' RT [MAB] = STA: 1+26.00, 17.00' LT [STD] FL-FL INT EL = 7274.21
STA: 28+60.00 [MAB] = STA: 1+00.00 [STD] CL-CL INT
STA: 29+07.00, 26.00' RT FL – CR EL = 7273.25
STA: 28+77.00, 26.00' RT [MAB] = STA: 1+26.00, 17.00' LT [STD] FL-FL INT EL = 7273.70
STA: 29+82.55, 26.00' RT FL – BT EL = 7272.63
STA: 30+17.55, 26.00' RT FL – ET EL = 7272.62
IMPOUNDMENT FEEDING POND 4
STA: 31+00.00, 26.00' LT FL EL = 7273.35
STA: 32+00.00, 26.00' LT FL EL = 7274.85
STA: 33+00.00, 26.00' LT FL EL = 7275.83
STA: 34+00.00, 26.00' LT FL EL = 7275.85
STA: 35+10.36, 26.00' LT FL – CR EL = 7275.04
STA: 35+49.43, 26.00' LT [MAB] = STA: 6+64.58, 18.96' RT [CLR] FL-FL INT EL = 7274.73
STA: 35+62.74, 26.00' RT [MAB] = STA: 4+36.59, 5.65' RT [CLR] FL-FL INT EL = 7271.20
STA: 31+00.00, 26.00' RT FL EL = 7272.32
STA: 32+00.00, 26.00' RT FL EL = 7274.79
STA: 33+00.00, 26.00' RT FL EL = 7275.42
STA: 34+00.00, 26.00' RT FL EL = 7274.53
STA: 35+16.39, 26.00' RT FL – CR/BT EL = 7272.08
STA: 35+21.38, 26.31' RT FL – ET/POC EL = 7271.80
(E) DEER FENCE
END REMOVAL OF (E) DEER FENCE & CONNECT (P) DEER FENCE
(P) DEER FENCE [APPROX. 51 LF]
(P) DEER GUARD
(P) DEER FENCE [APPROX. 255 LF]
(P) EDGE OF ASPHALT (TYP)
(E) DEER GUARD
(P) FENCE (BOTH SIDES OF DEER GUARD)
(E) DEER FENCE
(P) ADDITION TO DEER GUARD
BEGIN REMOVAL & RELOCATION OF (E) DEER FENCE [APPROX. 272 LF] & (E) WIRE FENCE [APPROX. 165 LF] (IF POSSIBLE, REUSE MATERIALS)
(P) RIPRAP (TYP)
ROW (TYP)
(P) WIRE FENCE [APPROX. 161 LF]
(E) FENCE [3' HEIGHT; 3-WIRE]
END REMOVAL OF (E) WIRE FENCE & CONNECT (P) WIRE FENCE
A
A1
5
6
7
30
40

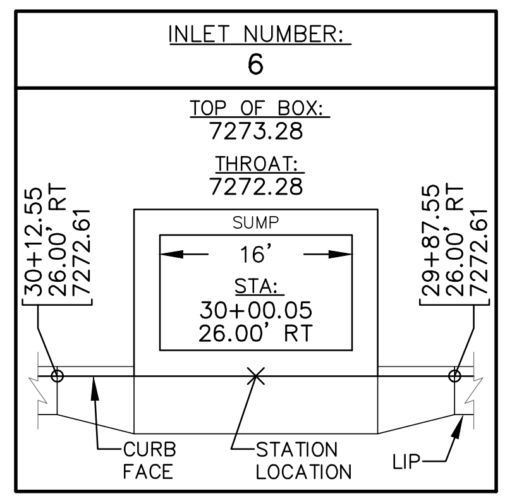
MISTY ACRES BOULEVARD
(120' ROW)

STA: 25+00 ~ 35+80
NON-RESIDENTIAL COLLECTOR (MODIFIED)
30 MPH

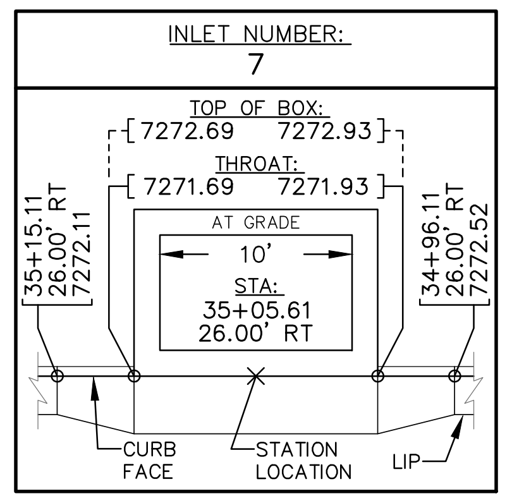
0 50 100
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'


INLET NUMBER:
5
TOP OF BOX:
7273.28
THROAT:
7272.28
SUMP
16'
STA:
30+00.05
26.00' LT
29+87.55 26.00' LT 7272.61
30+12.55 26.00' LT 7272.61
CURB FACE
STATION LOCATION
LIP

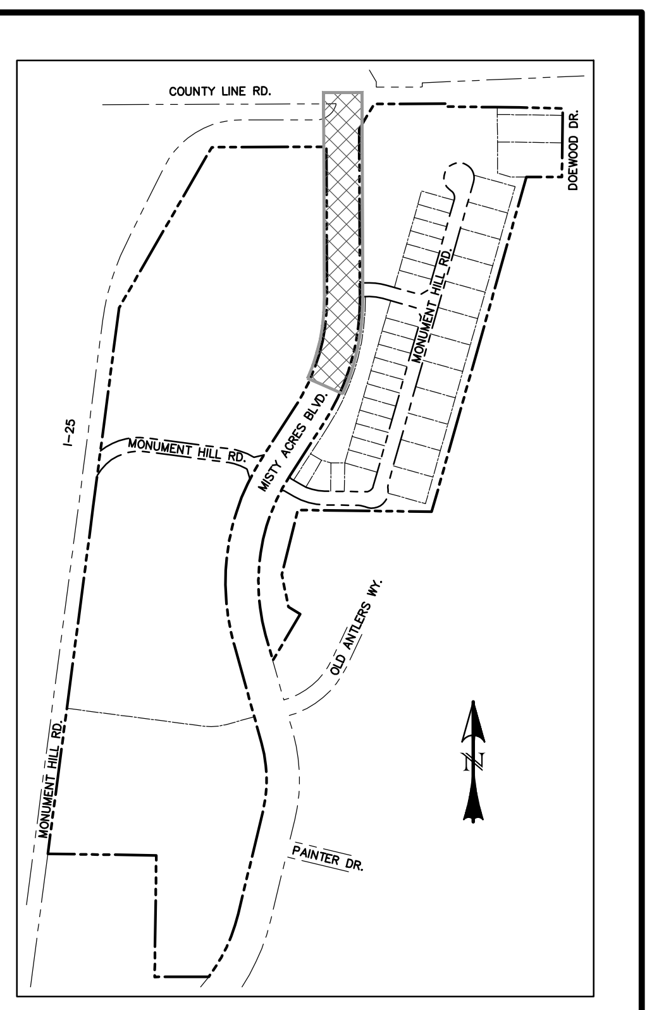
INLET DATA
SCALE: N.T.S.


INLET NUMBER:
6
TOP OF BOX:
7273.28
THROAT:
7272.28
SUMP
16'
STA:
30+00.05
26.00' RT
30+12.55 26.00' RT 7272.61
29+87.55 26.00' RT 7272.61
CURB FACE
STATION LOCATION
LIP

INLET DATA
SCALE: N.T.S.


INLET NUMBER:
7
TOP OF BOX:
7272.69 7272.93
THROAT:
7271.69 7271.93
AT GRADE
10'
STA:
35+05.61
26.00' RT
35+15.11 26.00' RT 7272.11
34+96.11 26.00' RT 7272.52
CURB FACE
STATION LOCATION
LIP

INLET DATA
SCALE: N.T.S.


COUNTY LINE RD.
DOEWOOD DR.
MONUMENT HILL RD.
MISTY ACRES BLVD.
I-25
MONUMENT HILL RD.
OLD ANTLERS WY.
PAINTER DR.
N

LOCATION MAP
SCALE: N.T.S.

POINT TABLE - CL		
NUMBER	STATION	TYPE
7	28+27.06	PT

- ♦ INTERSECTION PED. RAMP (REF: SD_2-41)
- * CROSSPAN (REF: SD_2-26)
- A CURB TYPE CALL-OUT
- (30) CURB RETURN RADIUS

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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STREET NAME ABREVIATIONS:
MISTY ACRES BOULEVARD = MAB
MONUMENT HILL ROAD [EAST] = MHE
MONUMENT HILL ROAD [WEST] = MHW
SNOWY TOP DRIVE = STD
COUNTY LINE ROAD (SECTION LINE) = CLR
[CENTER LINE BASED ON THE NORTH LINE OF THE SW 1/4 OF SECTION 2, T11S, R67W]

PREPARED FOR:
MONUMENT RIDGE EAST, LLC

5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

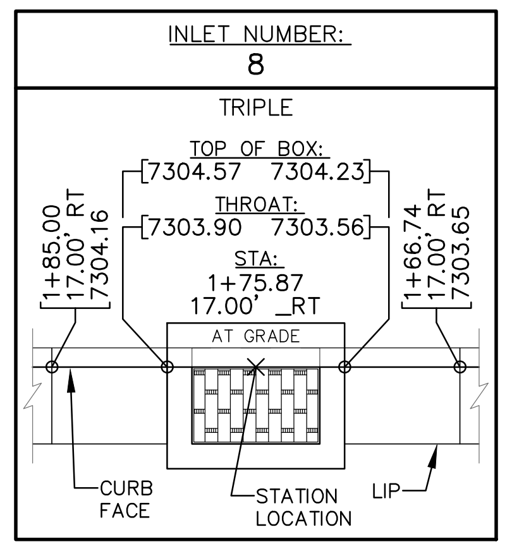
PREPARE
RAYMO

NOT FOR CONSTRUCTION

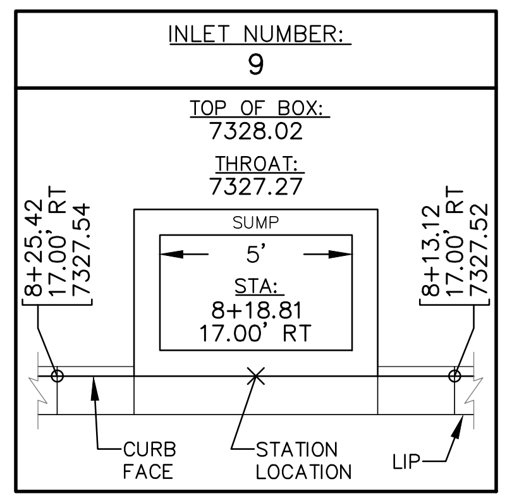
PRC ENGINEERING
1685 W. UINTAH STREET, SUITE 114
COLORADO SPRINGS, CO 80904
(719) 291-2744

MONUMENT RIDGE EAST
FILING NO. 1
STREET IMPROVEMENT
PLAN & PROFILE

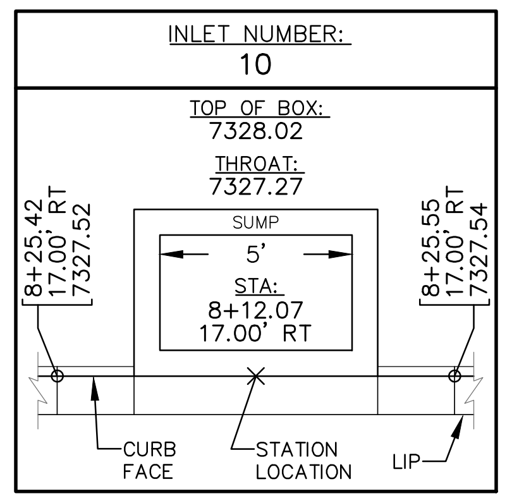
DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 50'	DATE: 04/08/25
JOB NUMBER	SHEET
24-001	11 OF 29


INLET NUMBER:
8
TRIPLE
TOP OF BOX:
7304.57 7304.23
THROAT:
7303.90 7303.56
STA:
1+75.87
17.00' RT
AT GRADE
1+85.00
17.00' RT
7304.16
1+66.74
17.00' RT
7303.65
CURB FACE
STATION LOCATION
LIP

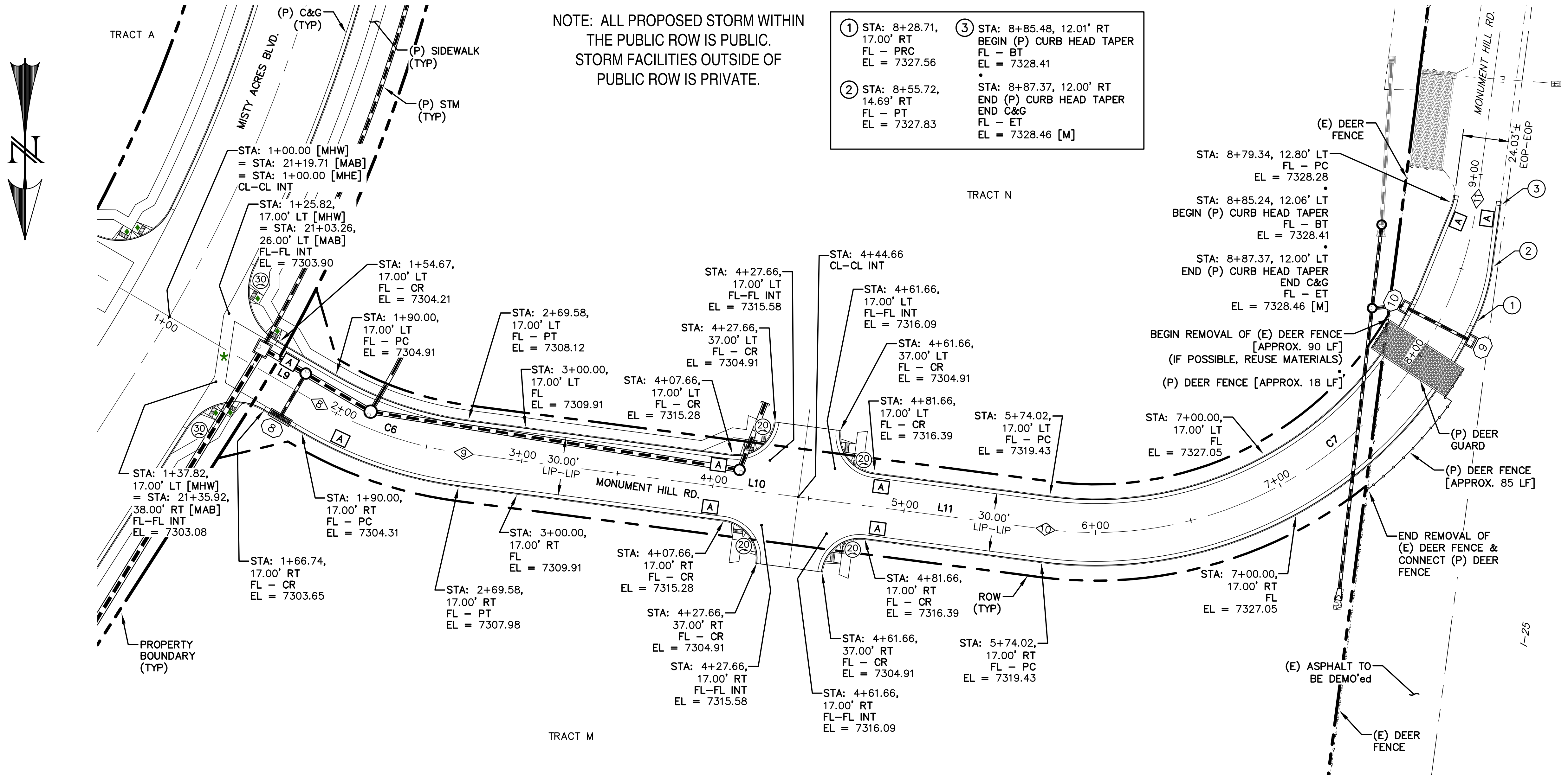
INLET DATA
SCALE: N.T.S.


INLET NUMBER:
9
TOP OF BOX:
7328.02
THROAT:
7327.27
SUMP
5'
STA:
8+18.81
17.00' RT
8+25.42
17.00' RT
7327.54
8+13.12
17.00' RT
7327.52
CURB FACE
STATION LOCATION
LIP

INLET DATA
SCALE: N.T.S.


INLET NUMBER:
10
TOP OF BOX:
7328.02
THROAT:
7327.27
SUMP
5'
STA:
8+12.07
17.00' RT
8+25.42
17.00' RT
7327.52
8+25.55
17.00' RT
7327.54
CURB FACE
STATION LOCATION
LIP

INLET DATA
SCALE: N.T.S.


N
TRACT A
MISTY ACRES BLVD.
(P) C&G (TYP)
(P) SIDEWALK (TYP)
(P) STM (TYP)
STA: 1+00.00 [MHW] = STA: 21+19.71 [MAB] = STA: 1+00.00 [MHE] CL–CL INT
STA: 1+25.82, 17.00' LT [MHW] = STA: 21+03.26, 26.00' LT [MAB] FL–FL INT EL = 7303.90
STA: 1+54.67, 17.00' LT FL – CR EL = 7304.21
STA: 1+90.00, 17.00' LT FL – PC EL = 7304.91
STA: 2+69.58, 17.00' LT FL – PT EL = 7308.12
STA: 3+00.00, 17.00' LT FL EL = 7309.91
STA: 4+07.66, 17.00' LT FL – CR EL = 7315.28
STA: 4+27.66, 17.00' LT FL–FL INT EL = 7315.58
STA: 4+27.66, 37.00' LT FL – CR EL = 7304.91
STA: 4+44.66 CL–CL INT
STA: 4+61.66, 17.00' LT FL–FL INT EL = 7316.09
STA: 4+61.66, 37.00' LT FL – CR EL = 7304.91
STA: 4+81.66, 17.00' LT FL – CR EL = 7316.39
STA: 5+74.02, 17.00' LT FL – PC EL = 7319.43
STA: 7+00.00, 17.00' LT FL EL = 7327.05
TRACT N
STA: 8+79.34, 12.80' LT FL – PC EL = 7328.28
STA: 8+85.24, 12.06' LT BEGIN (P) CURB HEAD TAPER FL – BT EL = 7328.41
STA: 8+87.37, 12.00' LT END (P) CURB HEAD TAPER END C&G FL – ET EL = 7328.46 [M]
BEGIN REMOVAL OF (E) DEER FENCE [APPROX. 90 LF] (IF POSSIBLE, REUSE MATERIALS)
(P) DEER FENCE [APPROX. 18 LF]
(E) DEER FENCE
MONUMENT HILL RD.
24.03' ± EOP–EOP
9+00
(P) DEER GUARD
(P) DEER FENCE [APPROX. 85 LF]
END REMOVAL OF (E) DEER FENCE & CONNECT (P) DEER FENCE
(E) ASPHALT TO BE DEMO'ed
(E) DEER FENCE
I–25
STA: 1+37.82, 17.00' LT [MHW] = STA: 21+35.92, 38.00' RT [MAB] FL–FL INT EL = 7303.08
STA: 1+66.74, 17.00' RT FL – CR EL = 7303.65
STA: 1+90.00, 17.00' RT FL – PC EL = 7304.31
STA: 2+69.58, 17.00' RT FL – PT EL = 7307.98
STA: 3+00.00, 17.00' RT FL EL = 7309.91
STA: 4+07.66, 17.00' RT FL – CR EL = 7315.28
STA: 4+27.66, 37.00' RT FL – CR EL = 7304.91
STA: 4+27.66, 17.00' RT FL–FL INT EL = 7315.58
STA: 4+61.66, 37.00' RT FL – CR EL = 7304.91
STA: 4+61.66, 17.00' RT FL–FL INT EL = 7316.09
STA: 4+81.66, 17.00' RT FL – CR EL = 7316.39
STA: 5+74.02, 17.00' RT FL – PC EL = 7319.43
STA: 7+00.00, 17.00' RT FL EL = 7327.05
ROW (TYP)
PROPERTY BOUNDARY (TYP)
TRACT M
MONUMENT HILL RD.
L9
L10
L11
C6
C7
1+00
2+00
3+00
4+00
5+00
6+00
7+00
30.00' LIP–LIP
A
8
9
10
11
1
2
3
30
20

NOTE: ALL PROPOSED STORM WITHIN THE PUBLIC ROW IS PUBLIC. STORM FACILITIES OUTSIDE OF PUBLIC ROW IS PRIVATE.

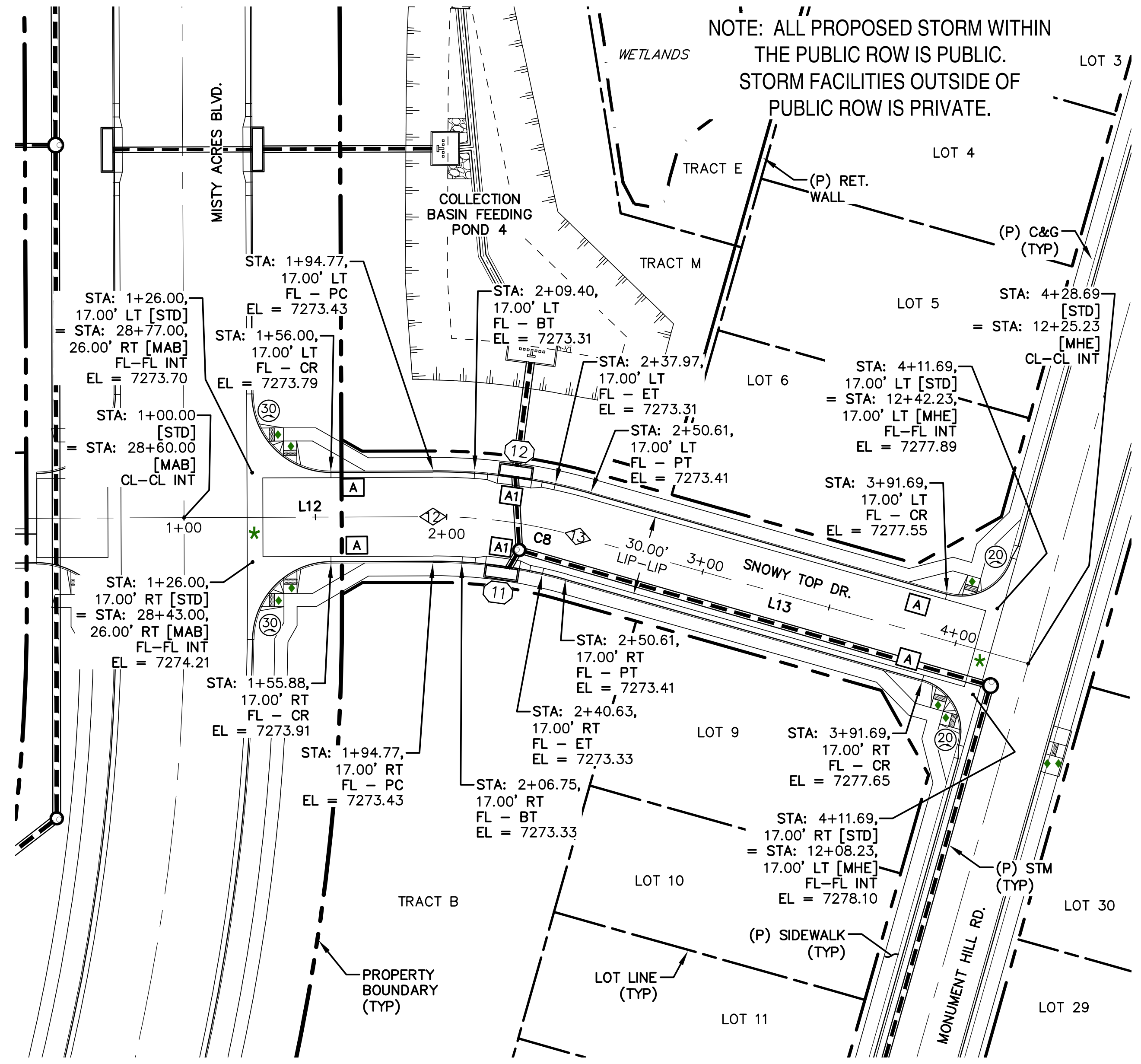
① STA: 8+28.71,
17.00' RT
FL – PRC
EL = 7327.56

② STA: 8+55.72,
14.69' RT
FL – PT
EL = 7327.83

③ STA: 8+85.48, 12.01' RT
BEGIN (P) CURB HEAD TAPER
FL – BT
EL = 7328.41
•
STA: 8+87.37, 12.00' RT
END (P) CURB HEAD TAPER
END C&G
FL – ET
EL = 7328.46 [M]

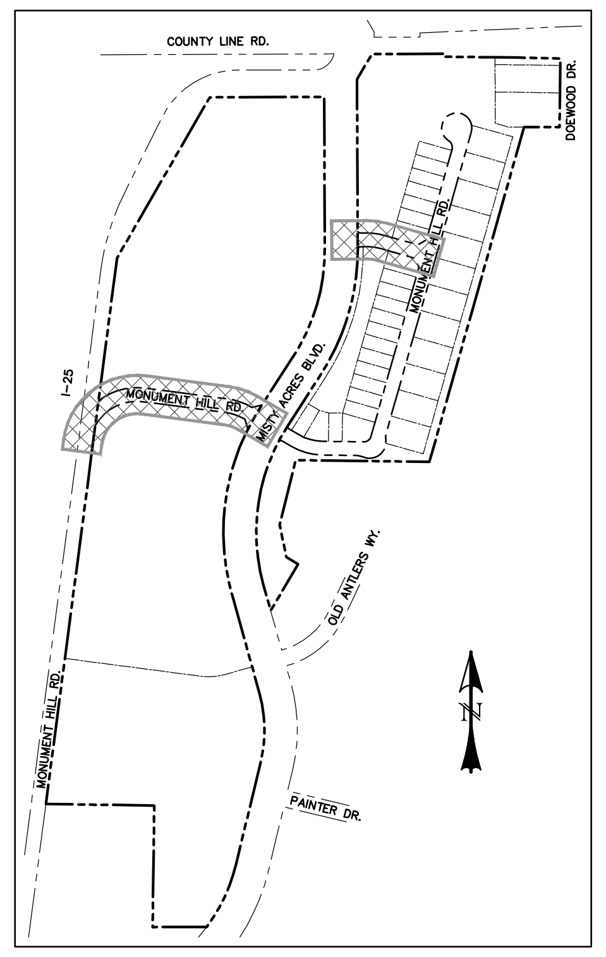
0 50 100
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

MONUMENT HILL ROAD [WEST]
(50' ROW)
STA: 1+00 ~ 9+00
URBAN LOCAL
25 MPH


MISTY ACRES BLVD.
WETLANDS
COLLECTION BASIN FEEDING POND 4
TRACT E
(P) RET. WALL
TRACT M
LOT 3
LOT 4
LOT 5
LOT 6
LOT 9
LOT 10
LOT 11
LOT 29
LOT 30
TRACT B
(P) C&G (TYP)
STA: 1+26.00, 17.00' LT [STD] = STA: 28+77.00, 26.00' RT [MAB] FL–FL INT EL = 7273.70
STA: 1+00.00 [STD] = STA: 28+60.00 [MAB] CL–CL INT
STA: 1+94.77, 17.00' LT FL – PC EL = 7273.43
STA: 1+56.00, 17.00' LT FL – CR EL = 7273.79
STA: 2+09.40, 17.00' LT FL – BT EL = 7273.31
STA: 2+37.97, 17.00' LT FL – ET EL = 7273.31
STA: 2+50.61, 17.00' LT FL – PT EL = 7273.41
STA: 4+28.69 [STD] = STA: 12+25.23 [MHE] CL–CL INT
STA: 4+11.69, 17.00' LT [STD] = STA: 12+42.23, 17.00' LT [MHE] FL–FL INT EL = 7277.89
STA: 3+91.69, 17.00' LT FL – CR EL = 7277.55
STA: 1+26.00, 17.00' RT [STD] = STA: 28+43.00, 26.00' RT [MAB] FL–FL INT EL = 7274.21
STA: 1+55.88, 17.00' RT FL – CR EL = 7273.91
STA: 1+94.77, 17.00' RT FL – PC EL = 7273.43
STA: 2+50.61, 17.00' RT FL – PT EL = 7273.41
STA: 2+40.63, 17.00' RT FL – ET EL = 7273.33
STA: 2+06.75, 17.00' RT FL – BT EL = 7273.33
STA: 3+91.69, 17.00' RT FL – CR EL = 7277.65
STA: 4+11.69, 17.00' RT [STD] = STA: 12+08.23, 17.00' LT [MHE] FL–FL INT EL = 7278.10
(P) STM (TYP)
(P) SIDEWALK (TYP)
LOT LINE (TYP)
PROPERTY BOUNDARY (TYP)
MONUMENT HILL RD.
SNOWY TOP DR.
30.00' LIP–LIP
L12
L13
C8
1+00
2+00
3+00
4+00
11
12
13
A
30
N

NOTE: ALL PROPOSED STORM WITHIN THE PUBLIC ROW IS PUBLIC. STORM FACILITIES OUTSIDE OF PUBLIC ROW IS PRIVATE.

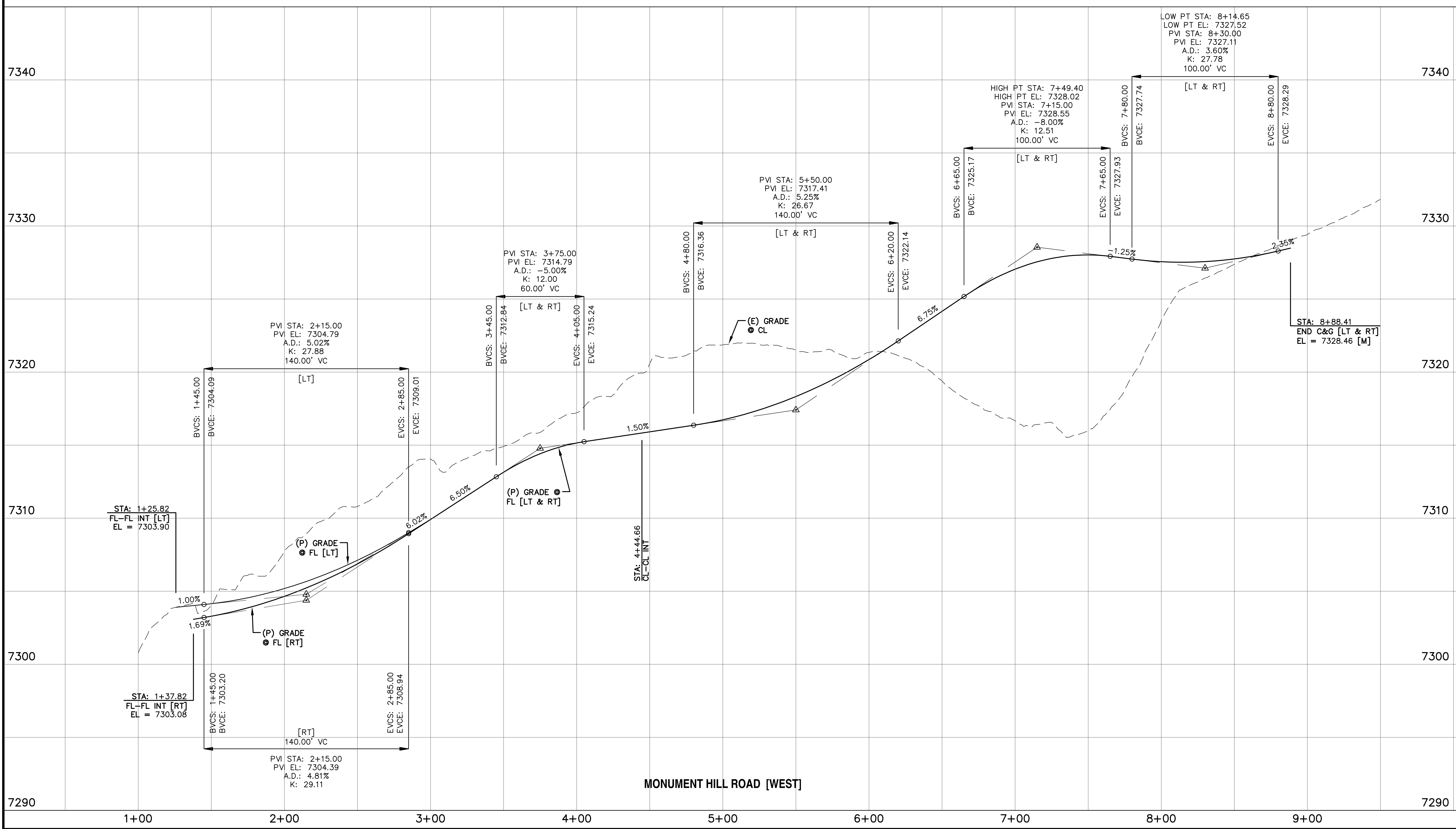
SNOWY TOP DRIVE
(50' ROW)
STA: 1+00 ~ 4+30
URBAN LOCAL
25 MPH


COUNTY LINE RD.
I–25
N

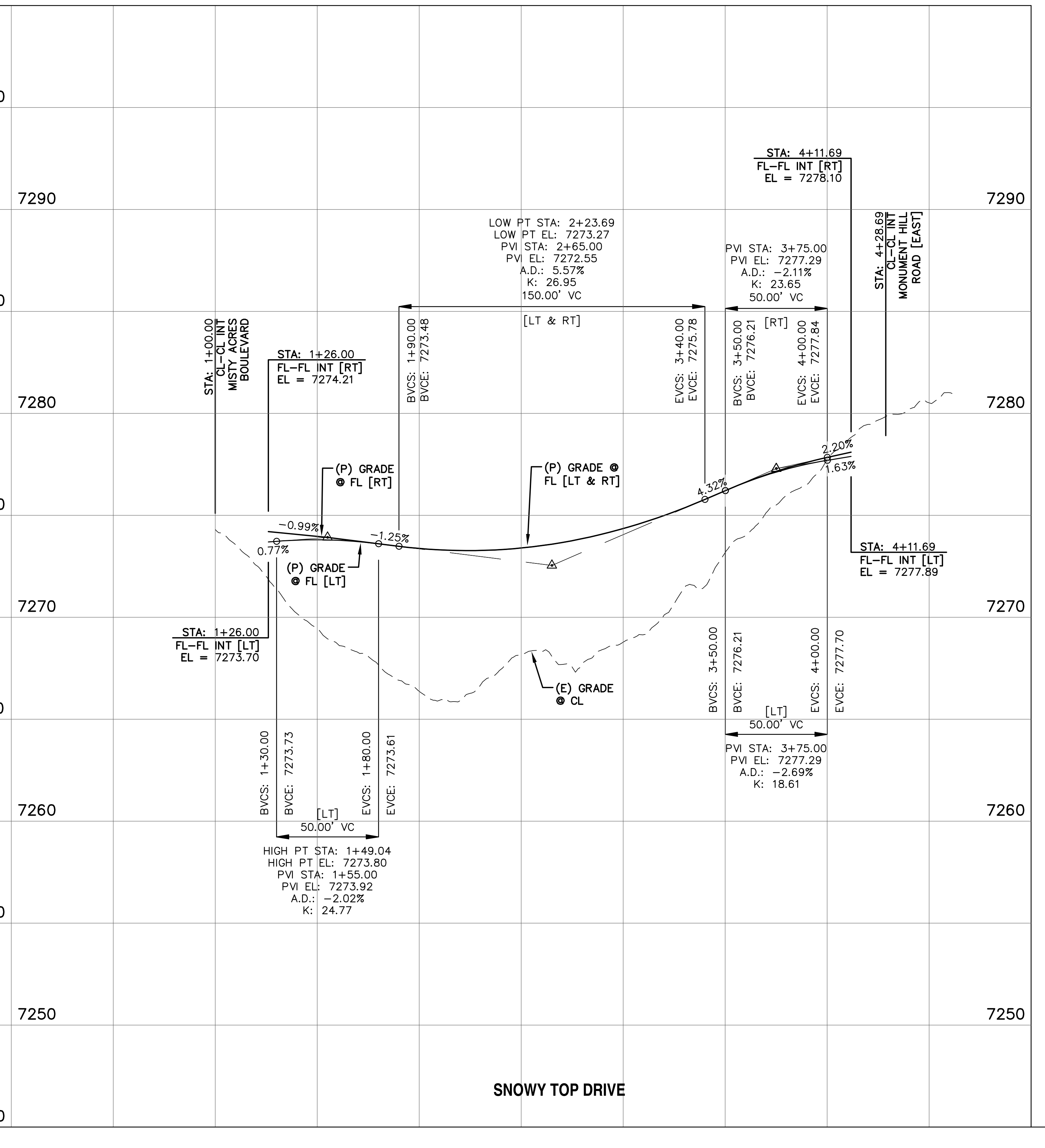
LOCATION MAP
SCALE: N.T.S.

POINT TABLE - CL		
NUMBER	STATION	TYPE
8	1+90.00	PC
9	2+69.58	PT
10	5+74.02	PC
11	8+87.37	PT
12	1+94.77	PC
13	2+50.61	PT

♦	INTERSECTION PED. RAMP (REF: SD_2–41)
♦♦	PARALLEL PED. RAMP (REF: SD_2–50)
*	CROSSPAN (REF: SD_2–26)
A	CURB TYPE CALL–OUT
㉚	CURB RETURN RADIUS


7340
7330
7320
7310
7300
7290
1+00
2+00
3+00
4+00
5+00
6+00
7+00
8+00
9+00
STA: 1+25.82 FL–FL INT [LT] EL = 7303.90
STA: 1+37.82 FL–FL INT [RT] EL = 7303.08
1.00%
1.69%
(P) GRADE FL [LT]
(P) GRADE FL [RT]
PVI STA: 2+15.00 PVI EL: 7304.79 A.D.: 5.02% K: 27.88 140.00' VC
[LT]
BVCS: 1+45.00
BVCE: 7304.09
EVCS: 2+85.00
EVCE: 7309.01
BVCS: 1+45.00
BVCE: 7303.20
EVCS: 2+85.00
EVCE: 7308.94
[RT]
140.00' VC
PVI STA: 2+15.00 PVI EL: 7304.39 A.D.: 4.81% K: 29.11
6.02%
6.50%
(P) GRADE FL [LT & RT]
PVI STA: 3+75.00 PVI EL: 7314.79 A.D.: –5.00% K: 12.00 60.00' VC
[LT & RT]
BVCS: 3+45.00
BVCE: 7312.84
EVCS: 4+05.00
EVCE: 7315.24
1.50%
STA: 4+44.66 CL–CL INT
PVI STA: 5+50.00 PVI EL: 7317.41 A.D.: 5.25% K: 26.67 140.00' VC
[LT & RT]
BVCS: 4+80.00
BVCE: 7316.36
EVCS: 6+20.00
EVCE: 7322.14
(E) GRADE CL
6.75%
HIGH PT STA: 7+49.40 HIGH PT EL: 7328.02 PVI STA: 7+15.00 PVI EL: 7328.55 A.D.: –8.00% K: 12.51 100.00' VC
[LT & RT]
BVCS: 6+65.00
BVCE: 7325.17
EVCS: 7+65.00
EVCE: 7327.93
–1.25%
LOW PT STA: 8+14.65 LOW PT EL: 7327.52 PVI STA: 8+30.00 PVI EL: 7327.11 A.D.: 3.60% K: 27.78 100.00' VC
[LT & RT]
BVCS: 7+80.00
BVCE: 7327.74
EVCS: 8+80.00
EVCE: 7328.29
2.35%
STA: 8+88.41 END C&G [LT & RT] EL = 7328.46 [M]

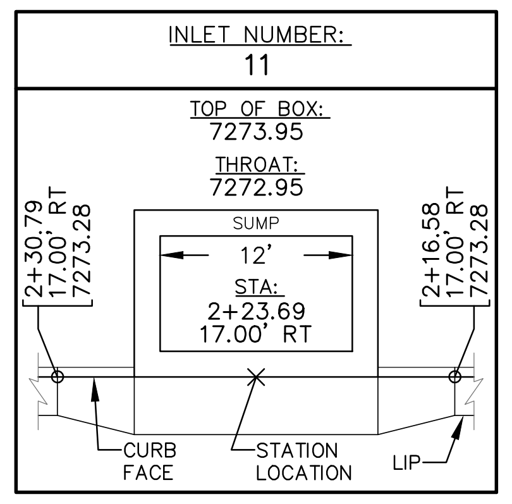
MONUMENT HILL ROAD [WEST]


7290
7280
7270
7260
7250
7290
STA: 1+00.00 CL–CL INT MISTY ACRES BOULEVARD
STA: 1+26.00 FL–FL INT [RT] EL = 7274.21
STA: 1+26.00 FL–FL INT [LT] EL = 7273.70
–0.99%
0.77%
(P) GRADE FL [RT]
(P) GRADE FL [LT]
BVCS: 1+30.00
BVCE: 7273.73
EVCS: 1+80.00
EVCE: 7273.61
[LT]
50.00' VC
HIGH PT STA: 1+49.04 HIGH PT EL: 7273.80 PVI STA: 1+55.00 PVI EL: 7273.92 A.D.: –2.02% K: 24.77
BVCS: 1+90.00
BVCE: 7273.48
–1.25%
LOW PT STA: 2+23.69 LOW PT EL: 7273.27 PVI STA: 2+65.00 PVI EL: 7272.55 A.D.: 5.57% K: 26.95 150.00' VC
[LT & RT]
EVCS: 3+40.00
EVCE: 7275.78
(P) GRADE FL [LT & RT]
(E) GRADE CL
4.32%
PVI STA: 3+75.00 PVI EL: 7277.29 A.D.: –2.11% K: 23.65 50.00' VC
[RT]
BVCS: 3+50.00
BVCE: 7276.21
EVCS: 4+00.00
EVCE: 7277.84
BVCS: 3+50.00
BVCE: 7276.21
EVCS: 4+00.00
EVCE: 7277.70
[LT]
50.00' VC
PVI STA: 3+75.00 PVI EL: 7277.29 A.D.: –2.69% K: 18.61
2.20%
1.63%
STA: 4+11.69 FL–FL INT [RT] EL = 7278.10
STA: 4+28.69 CL–CL INT MONUMENT HILL ROAD [EAST]
STA: 4+11.69 FL–FL INT [LT] EL = 7277.89

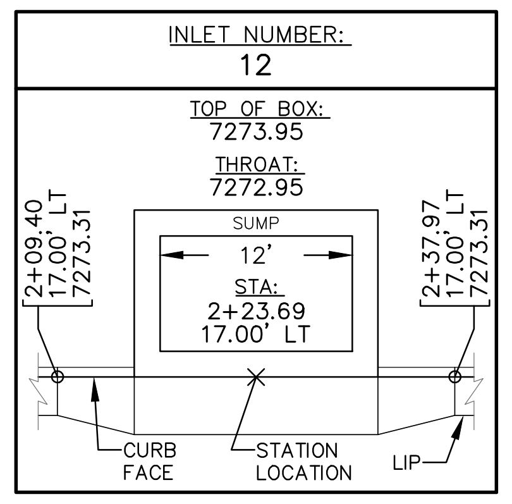
SNOWY TOP DRIVE

LINE TABLE – CL		
LINE	BEARING	DISTANCE
L9	N59° 45' 36"W	90.00
L10	N82° 33' 30"W	175.08
L11	N82° 33' 30"W	129.35
L12	N89° 46' 22"E	94.77
L13	S74° 13' 43"E	178.07

CURVE TABLE – CL			
CURVE	DELTA	RADIUS	LENGTH
C6	22°47'54"	200.00	79.58
C7	89°46'06"	200.00	313.35
C8	15°59'55"	200.00	55.85


INLET NUMBER:
11
TOP OF BOX:
7273.95
THROAT:
7272.95
SUMP
12'
STA:
2+23.69
17.00' RT
2+30.79
17.00' RT
7273.28
2+16.58
17.00' RT
7273.28
CURB FACE
STATION LOCATION
LIP

INLET DATA
SCALE: N.T.S.


INLET NUMBER:
12
TOP OF BOX:
7273.95
THROAT:
7272.95
SUMP
12'
STA:
2+23.69
17.00' LT
2+09.40
17.00' LT
7273.31
2+37.97
17.00' LT
7273.31
CURB FACE
STATION LOCATION
LIP

INLET DATA
SCALE: N.T.S.

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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

STREET NAME ABREVIATIONS:
MISTY ACRES BOULEVARD = MAB
MONUMENT HILL ROAD [EAST] = MHE
MONUMENT HILL ROAD [WEST] = MHW
SNOWY TOP DRIVE = STD
COUNTY LINE ROAD (SECTION LINE) = CLR
[THE NORTH LINE OF THE SW 1/4 OF SECTION 2, T11S, R67W]

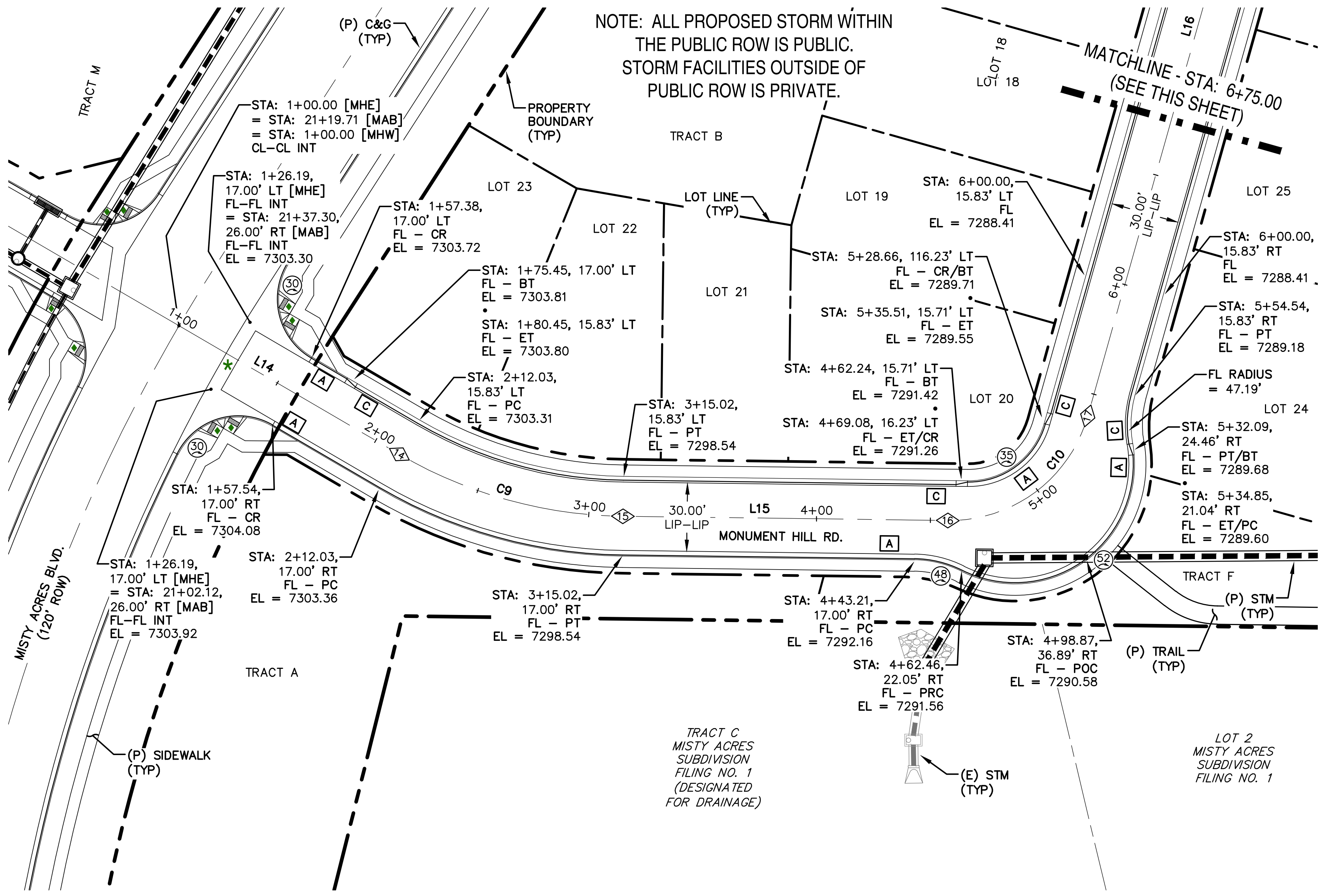
PREPARED FOR:
MONUMENT RIDGE EAST, LLC
5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

PREPARE
NOT FOR CONSTRUCTION
RAYMO

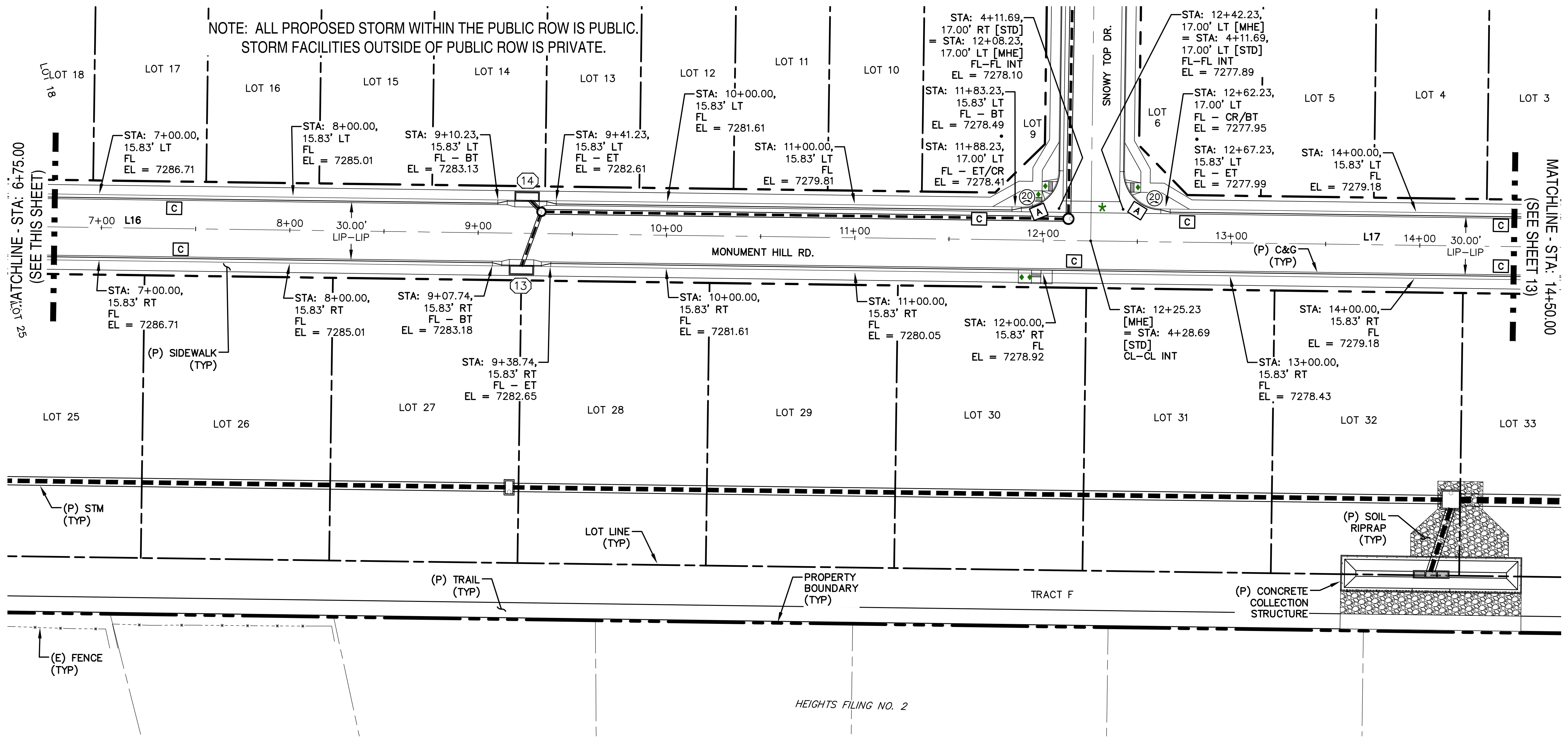
PRC ENGINEERING
1685 W. UINTAH STREET, SUITE 114
COLORADO SPRINGS, CO 80904
(719) 291–2744

MONUMENT RIDGE EAST
FILING NO. 1
STREET IMPROVEMENT
PLAN & PROFILE

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = XX'	DATE: 04/08/25
JOB NUMBER	SHEET
24–001	12 OF 29

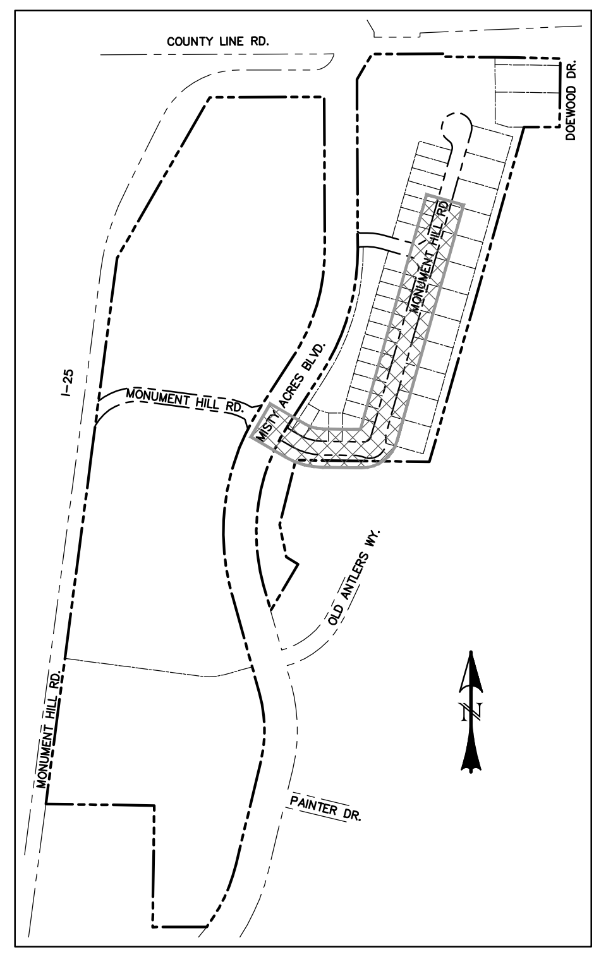

NOTE: ALL PROPOSED STORM WITHIN THE PUBLIC ROW IS PUBLIC. STORM FACILITIES OUTSIDE OF PUBLIC ROW IS PRIVATE.
N
MATCHLINE - STA: 6+75.00 (SEE THIS SHEET)
TRACT M
TRACT B
TRACT A
TRACT F
(P) C&G (TYP)
PROPERTY BOUNDARY (TYP)
LOT 23
LOT 22
LOT 21
LOT 19
LOT 20
LOT 18
LOT 25
LOT 24
LOT LINE (TYP)
STA: 1+00.00 [MHE] = STA: 21+19.71 [MAB] = STA: 1+00.00 [MHW] CL-CL INT
STA: 1+26.19, 17.00' LT [MHE] FL-FL INT = STA: 21+37.30, 26.00' RT [MAB] FL-FL INT EL = 7303.30
STA: 1+57.38, 17.00' LT FL - CR EL = 7303.72
STA: 1+75.45, 17.00' LT FL - BT EL = 7303.81
STA: 1+80.45, 15.83' LT FL - ET EL = 7303.80
STA: 2+12.03, 15.83' LT FL - PC EL = 7303.31
STA: 3+15.02, 15.83' LT FL - PT EL = 7298.54
STA: 4+62.24, 15.71' LT FL - BT EL = 7291.42
STA: 4+69.08, 16.23' LT FL - ET/CR EL = 7291.26
STA: 5+28.66, 116.23' LT FL - CR/BT EL = 7289.71
STA: 5+35.51, 15.71' LT FL - ET EL = 7289.55
STA: 6+00.00, 15.83' LT FL EL = 7288.41
STA: 6+00.00, 15.83' RT FL EL = 7288.41
STA: 5+54.54, 15.83' RT FL - PT EL = 7289.18
FL RADIUS = 47.19'
STA: 5+32.09, 24.46' RT FL - PT/BT EL = 7289.68
STA: 5+34.85, 21.04' RT FL - ET/PC EL = 7289.60
STA: 4+98.87, 36.89' RT FL - POC EL = 7290.58
STA: 4+62.46, 22.05' RT FL - PRC EL = 7291.56
STA: 4+43.21, 17.00' RT FL - PC EL = 7292.16
STA: 3+15.02, 17.00' RT FL - PT EL = 7298.54
STA: 2+12.03, 17.00' RT FL - PC EL = 7303.36
STA: 1+57.54, 17.00' RT FL - CR EL = 7304.08
STA: 1+26.19, 17.00' LT [MHE] = STA: 21+02.12, 26.00' RT [MAB] FL-FL INT EL = 7303.92
MISTY ACRES BLVD. (120' ROW)
L14
L15
C9
C10
2+00
3+00
4+00
5+00
6+00
30.00' LIP-LIP
MONUMENT HILL RD.
(P) SIDEWALK (TYP)
(P) STM (TYP)
(P) TRAIL (TYP)
(E) STM (TYP)
TRACT C MISTY ACRES SUBDIVISION FILING NO. 1 (DESIGNATED FOR DRAINAGE)
LOT 2 MISTY ACRES SUBDIVISION FILING NO. 1
A
C
D
14
15
16
17
30
32
45

MONUMENT HILL ROAD [EAST]
(50' ROW)
STA: 1+00 ~ 6+75
URBAN LOCAL
25 MPH


NOTE: ALL PROPOSED STORM WITHIN THE PUBLIC ROW IS PUBLIC. STORM FACILITIES OUTSIDE OF PUBLIC ROW IS PRIVATE.
N
MATCHLINE - STA: 6+75.00 (SEE THIS SHEET)
MATCHLINE - STA: 14+50.00 (SEE SHEET 13)
LOT 18
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 25
LOT 26
LOT 27
LOT 28
LOT 29
LOT 30
LOT 31
LOT 32
LOT 33
SNOWY TOP DR.
STA: 7+00.00, 15.83' LT FL EL = 7286.71
STA: 8+00.00, 15.83' LT FL EL = 7285.01
STA: 9+10.23, 15.83' LT FL - BT EL = 7283.13
STA: 9+41.23, 15.83' LT FL - ET EL = 7282.61
STA: 10+00.00, 15.83' LT FL EL = 7281.61
STA: 11+00.00, 15.83' LT FL EL = 7279.81
STA: 4+11.69, 17.00' RT [STD] = STA: 12+08.23, 17.00' LT [MHE] FL-FL INT EL = 7278.10
STA: 11+83.23, 15.83' LT FL - BT EL = 7278.49
STA: 11+88.23, 17.00' LT FL - ET/CR EL = 7278.41
STA: 12+42.23, 17.00' LT [MHE] = STA: 4+11.69, 17.00' LT [STD] FL-FL INT EL = 7277.89
STA: 12+62.23, 17.00' LT FL - CR/BT EL = 7277.95
STA: 12+67.23, 15.83' LT FL - ET EL = 7277.99
STA: 14+00.00, 15.83' LT FL EL = 7279.18
STA: 7+00.00, 15.83' RT FL EL = 7286.71
STA: 8+00.00, 15.83' RT FL EL = 7285.01
STA: 9+07.74, 15.83' RT FL - BT EL = 7283.18
STA: 9+38.74, 15.83' RT FL - ET EL = 7282.65
STA: 10+00.00, 15.83' RT FL EL = 7281.61
STA: 11+00.00, 15.83' RT FL EL = 7280.05
STA: 12+00.00, 15.83' RT FL EL = 7278.92
STA: 12+25.23 [MHE] = STA: 4+28.69 [STD] CL-CL INT
STA: 13+00.00, 15.83' RT FL EL = 7278.43
STA: 14+00.00, 15.83' RT FL EL = 7279.18
7+00
L16
8+00
30.00' LIP-LIP
9+00
10+00
11+00
12+00
13+00
L17
14+00
MONUMENT HILL RD.
(P) C&G (TYP)
(P) SIDEWALK (TYP)
(P) STM (TYP)
LOT LINE (TYP)
(P) TRAIL (TYP)
PROPERTY BOUNDARY (TYP)
TRACT F
(P) SOIL RIPRAP (TYP)
(P) CONCRETE COLLECTION STRUCTURE
(E) FENCE (TYP)
HEIGHTS FILING NO. 2
13
14
20
C
A

MONUMENT HILL ROAD [EAST]
(50' ROW)
STA: 6+75 ~ 14+50
URBAN LOCAL
25 MPH

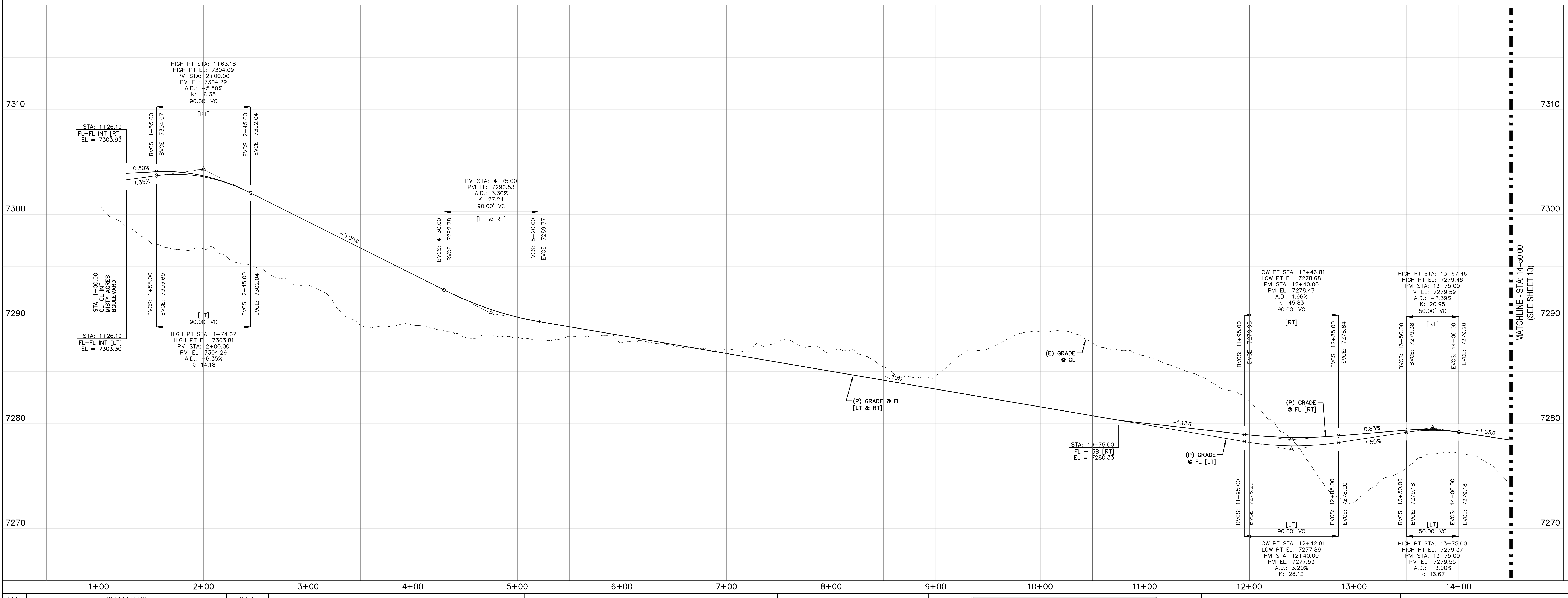
0 50 100
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'


COUNTY LINE ROAD
N

LOCATION MAP
SCALE: N.T.S.

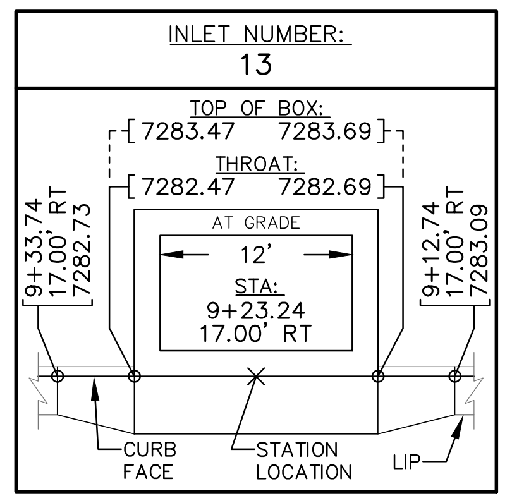
POINT TABLE - CL		
NUMBER	STATION	TYPE
14	2+12.03	PC
15	3+15.02	PT
16	4+57.66	PC
17	5+40.09	PT

- ♦ INTERSECTION PED. RAMP (REF: SD_2-41)
- * CROSSPAN (REF: SD_2-26)
- A CURB TYPE CALL-OUT
- ㉚ CURB RETURN RADIUS

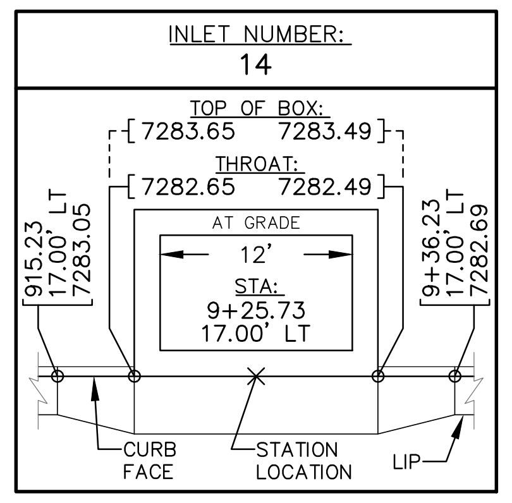

7310
7300
7290
7280
7270
1+00
2+00
3+00
4+00
5+00
6+00
7+00
8+00
9+00
10+00
11+00
12+00
13+00
14+00
STA: 1+26.19 FL-FL INT [RT] EL = 7303.93
HIGH PT STA: 1+63.18 HIGH PT EL: 7304.09 PVI STA: 2+00.00 PVI EL: 7304.29 A.D.: -5.50% K: 16.35 90.00' VC
[RT]
BVCS: 1+55.00 BVCE: 7304.07
EVCS: 2+45.00 EVCE: 7302.04
0.50%
1.35%
-5.00%
STA: 1+00.00 CL-CL INT MISTY ACRES BOULEVARD
BVCS: 1+55.00 BVCE: 7303.69
EVCS: 2+45.00 EVCE: 7302.04
[LT] 90.00' VC
HIGH PT STA: 1+74.07 HIGH PT EL: 7303.81 PVI STA: 2+00.00 PVI EL: 7304.29 A.D.: -6.35% K: 14.18
STA: 1+26.19 FL-FL INT [LT] EL = 7303.30
PVI STA: 4+75.00 PVI EL: 7290.53 A.D.: 3.30% K: 27.24 90.00' VC
[LT & RT]
BVCS: 4+30.00 BVCE: 7292.78
EVCS: 5+20.00 EVCE: 7289.77
-1.70%
(P) GRADE @ FL [LT & RT]
(E) GRADE @ CL
STA: 10+75.00 FL - GB [RT] EL = 7280.33
-1.13%
(P) GRADE @ FL [LT]
(P) GRADE @ FL [RT]
LOW PT STA: 12+46.81 LOW PT EL: 7278.68 PVI STA: 12+40.00 PVI EL: 7278.47 A.D.: 1.96% K: 45.83 90.00' VC
[RT]
BVCS: 11+95.00 BVCE: 7278.98
EVCS: 12+85.00 EVCE: 7278.84
BVCS: 11+95.00 BVCE: 7278.29
EVCS: 12+85.00 EVCE: 7278.20
[LT] 90.00' VC
LOW PT STA: 12+42.81 LOW PT EL: 7277.89 PVI STA: 12+40.00 PVI EL: 7277.53 A.D.: 3.20% K: 28.12
0.83%
1.50%
-1.55%
HIGH PT STA: 13+67.46 HIGH PT EL: 7279.46 PVI STA: 13+75.00 PVI EL: 7279.59 A.D.: -2.39% K: 20.95 50.00' VC
[RT]
BVCS: 13+50.00 BVCE: 7279.38
EVCS: 14+00.00 EVCE: 7279.20
BVCS: 13+50.00 BVCE: 7279.18
EVCS: 14+00.00 EVCE: 7279.18
[LT] 50.00' VC
HIGH PT STA: 13+75.00 HIGH PT EL: 7279.37 PVI STA: 13+75.00 PVI EL: 7279.55 A.D.: -3.00% K: 16.67
MATCHLINE - STA: 14+50.00 (SEE SHEET 13)

LINE TABLE - CL		
LINE	BEARING	DISTANCE
L14	S59° 45' 36"E	112.03
L15	S89° 15' 42"E	142.64
L16	N15° 46' 17"E	685.14
L17	N15° 46' 17"E	473.33

CURVE TABLE - CL			
CURVE	DELTA	RADIUS	LENGTH
C9	29°30'06"	200.00	102.98
C10	74°58'01"	63.00	82.43


INLET NUMBER:
13
TOP OF BOX:
7283.47
7283.69
THROAT:
7282.47
7282.69
AT GRADE
12'
STA:
9+23.24
17.00' RT
9+33.74
17.00' RT
7282.73
9+12.74
17.00' RT
7283.09
CURB FACE
STATION LOCATION
LIP

INLET DATA
SCALE: N.T.S.


INLET NUMBER:
14
TOP OF BOX:
7283.65
7283.49
THROAT:
7282.65
7282.49
AT GRADE
12'
STA:
9+25.73
17.00' LT
915.23
17.00' LT
7283.05
9+36.23
17.00' LT
7282.69
CURB FACE
STATION LOCATION
LIP

INLET DATA
SCALE: N.T.S.

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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

STREET NAME ABREVIATIONS:

MISTY ACRES BOULEVARD = MAB
MONUMENT HILL ROAD [EAST] = MHE
MONUMENT HILL ROAD [WEST] = MHW
SNOWY TOP DRIVE = STD
COUNTY LINE ROAD (SECTION LINE) = CLR
[THE NORTH LINE OF THE SW 1/4 OF SECTION 2, T11S, R67W]

PREPARED FOR:

MONUMENT RIDGE EAST, LLC

5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

PREPARE

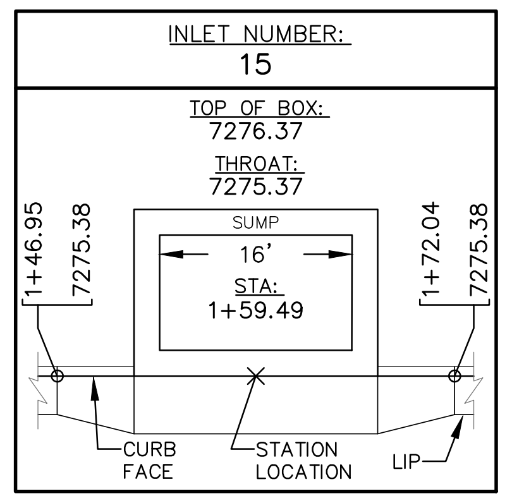
RAYMO

NOT FOR CONSTRUCTION

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

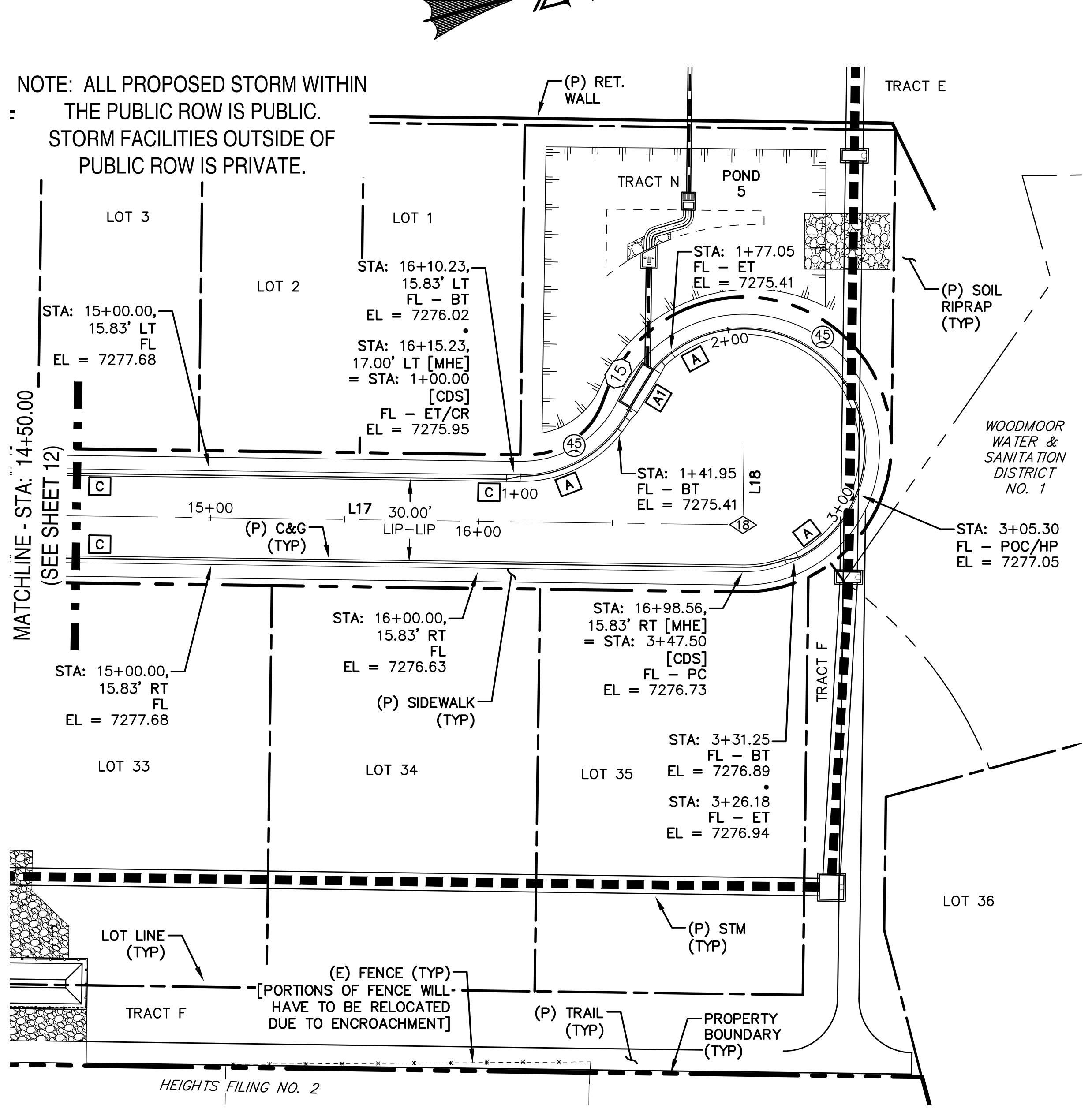
MONUMENT RIDGE EAST
FILING NO. 1
STREET IMPROVEMENT
PLAN & PROFILE

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 50'	DATE: 04/08/25
JOB NUMBER	SHEET
24-001	13 OF 29


INLET NUMBER:
15
TOP OF BOX:
7276.37
THROAT:
7275.37
1+46.95
7275.38
SUMP
16'
STA:
1+59.49
1+72.04
7275.38
CURB FACE
STATION LOCATION
LIP

INLET DATA
SCALE: N.T.S.

NOTE: ALL PROPOSED STORM WITHIN THE PUBLIC ROW IS PUBLIC. STORM FACILITIES OUTSIDE OF PUBLIC ROW IS PRIVATE.

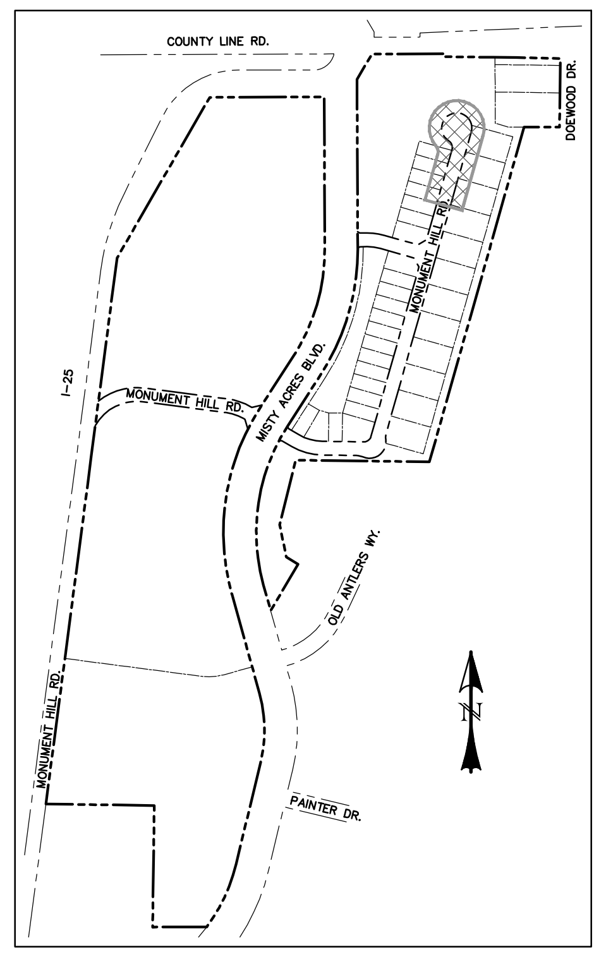

N
(P) RET. WALL
TRACT E
TRACT N
POND 5
LOT 3
LOT 2
LOT 1
STA: 15+00.00, 15.83' LT FL EL = 7277.68
STA: 16+10.23, 15.83' LT FL – BT EL = 7276.02
STA: 16+15.23, 17.00' LT [MHE] = STA: 1+00.00 [CDS] FL – ET/CR EL = 7275.95
STA: 1+77.05 FL – ET EL = 7275.41
(P) SOIL RIPRAP (TYP)
2+00
15
45
A
A1
C
1+00
STA: 1+41.95 FL – BT EL = 7275.41
L18
WOODMOOR WATER & SANITATION DISTRICT NO. 1
MATCHLINE - STA: 14+50.00 (SEE SHEET 12)
15+00
L17
30.00' LIP–LIP
16+00
18
3+00
STA: 3+05.30 FL – POC/HP EL = 7277.05
(P) C&G (TYP)
STA: 16+00.00, 15.83' RT FL EL = 7276.63
STA: 16+98.56, 15.83' RT [MHE] = STA: 3+47.50 [CDS] FL – PC EL = 7276.73
STA: 15+00.00, 15.83' RT FL EL = 7277.68
(P) SIDEWALK (TYP)
TRACT F
STA: 3+31.25 FL – BT EL = 7276.89
STA: 3+26.18 FL – ET EL = 7276.94
LOT 33
LOT 34
LOT 35
LOT 36
(P) STM (TYP)
LOT LINE (TYP)
(E) FENCE (TYP) [PORTIONS OF FENCE WILL HAVE TO BE RELOCATED DUE TO ENCROACHMENT]
TRACT F
(P) TRAIL (TYP)
PROPERTY BOUNDARY (TYP)
HEIGHTS FILING NO. 2

MONUMENT HILL ROAD [EAST]
(50' ROW)
STA: 14+50 ~ 17+50
URBAN LOCAL
25 MPH

CUL-DE-SAC FL
STA: 1+00 ~ 3+50

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

LINE TABLE – CL		
LINE	BEARING	DISTANCE
L17	N15° 46' 17"E	473.33
L18	N74° 13' 43"W	30.00


COUNTY LINE RD.
DOEWOOD DR.
MONUMENT HILL RD.
I–25
MONUMENT HILL RD.
MISTY ACRES BLVD.
OLD ANTLERS WY.
MONUMENT HILL RD.
PAINTER DR.
N

LOCATION MAP
SCALE: N.T.S.

POINT TABLE - CL		
NUMBER	STATION	TYPE
18	16+98.56	AP

A CURB TYPE CALL-OUT
㉚ CURB RETURN RADIUS

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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MONUMENT HILL ROAD [EAST] = MHE
CUL-DE-SAC FL = CDS
SNOWY TOP DRIVE = STD
COUNTY LINE ROAD (SECTION LINE) [THE NORTH LINE OF THE SW 1/4 OF SECTION 2, T11S, R67W] = CLR

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
STREET IMPROVEMENT
PLAN & PROFILE

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 50'	DATE: 04/08/25
JOB NUMBER	SHEET
24-001	14 OF 29

* SAWCUT & PAVEMENT NOTES:

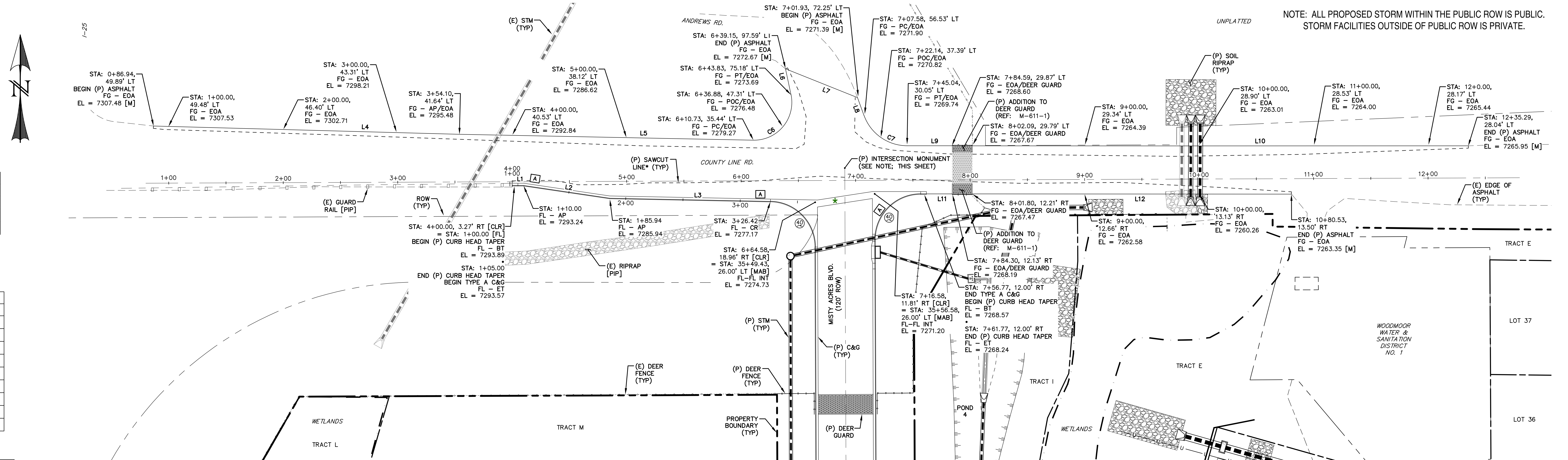
1. EXISTING PAVEMENT MAY BE ROUGH CUT INITIALLY.
2. A SQUARE VERTICAL CUT SHALL BE MADE IN THE EXISTING A.C. PAVEMENT AFTER PLACEMENT OF BACKFILL PRIOR TO PAVEMENT REPLACEMENT.
3. THICKNESS OF NEW A.C. PAVEMENT AND BASE COURSE REPLACEMENT SHALL BE:

   4" A.C. WITH 12" BASE,
   OR
   8" A.C. FULL DEPTH,
   OR
   MATCH EXISTING,
   OR
   PER GEOTECHNICAL ENGINEERS RECOMMENDATION, WHICHEVER IS GREATER.

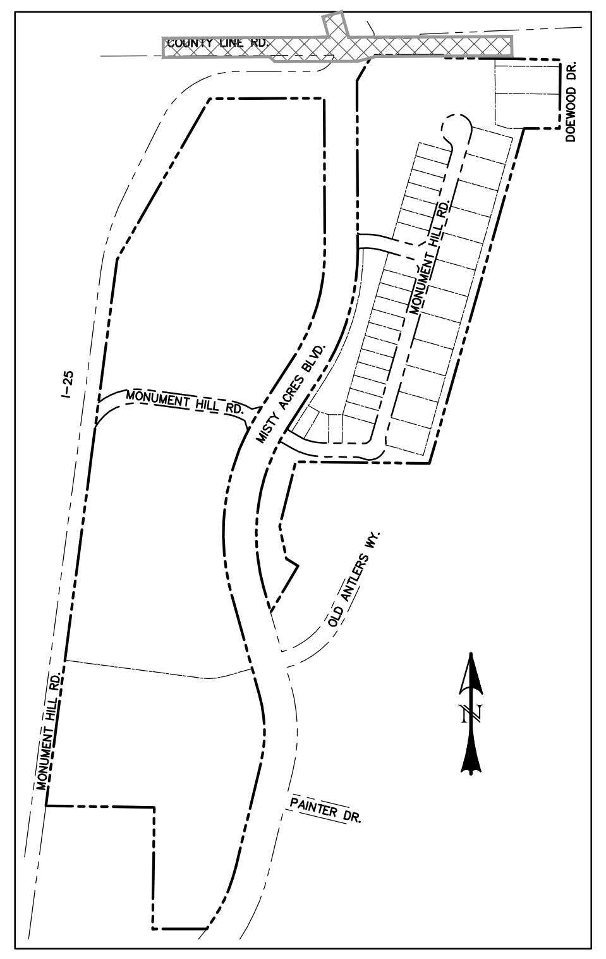
LINE TABLE – FL		
LINE	BEARING	DISTANCE
L1	S89° 58' 11"E	10.00
L2	S81° 34' 38"E	75.94
L3	S88° 52' 50"E	140.48

LINE TABLE – EDGE OF PAVEMENT		
LINE	BEARING	DISTANCE
L4	S88° 27' 33"E	267.28
L5	S88° 50' 39"E	256.71
L6	N12° 01' 43"W	22.89
L7	S68° 15' 07"E	67.71
L8	S19° 59' 13"E	16.70
L9	S89° 57' 44"E	39.55
L10	S89° 59' 44"E	433.20
L11	S89° 57' 44"E	22.54
L12	S89° 57' 44"E	278.73

CURVE TABLE – EDGE OF PAVEMENT			
CURVE	DELTA	RADIUS	LENGTH
C6	103°11'04"	33.00	59.43
C7	69°58'31"	40.00	48.85


N
I-25
STA: 0+86.94, 49.89' LT BEGIN (P) ASPHALT FG – EOA EL = 7307.48 [M]
STA: 1+00.00, 49.48' LT FG – EOA EL = 7307.53
STA: 2+00.00, 46.40' LT FG – EOA EL = 7302.71
STA: 3+00.00, 43.31' LT FG – EOA EL = 7298.21
STA: 3+54.10, 41.64' LT FG – AP/EOA EL = 7295.48
STA: 4+00.00, 40.53' LT FG – EOA EL = 7292.84
STA: 5+00.00, 38.12' LT FG – EOA EL = 7286.62
(E) STM (TYP)
ANDREWS RD.
STA: 6+39.15, 97.59' LT END (P) ASPHALT FG – EOA EL = 7272.67 [M]
STA: 6+43.83, 75.18' LT FG – PT/EOA EL = 7273.69
STA: 6+36.88, 47.31' LT FG – POC/EOA EL = 7276.48
STA: 6+10.73, 35.44' LT FG – PC/EOA EL = 7279.27
STA: 7+01.93, 72.25' LT BEGIN (P) ASPHALT FG – EOA EL = 7271.39 [M]
STA: 7+07.58, 56.53' LT FG – PC/EOA EL = 7271.90
STA: 7+22.14, 37.39' LT FG – POC/EOA EL = 7270.82
STA: 7+45.04, 30.05' LT FG – PT/EOA EL = 7269.74
STA: 7+84.59, 29.87' LT FG – EOA/DEER GUARD EL = 7268.60
(P) ADDITION TO DEER GUARD (REF: M-611-1)
STA: 8+02.09, 29.79' LT FG – EOA/DEER GUARD EL = 7267.67
STA: 9+00.00, 29.34' LT FG – EOA EL = 7264.39
UNPLATTED
(P) SOIL RIPRAP (TYP)
STA: 10+00.00, 28.90' LT FG – EOA EL = 7263.01
STA: 11+00.00, 28.53' LT FG – EOA EL = 7264.00
STA: 12+0.00, 28.17' LT FG – EOA EL = 7265.44
STA: 12+35.29, 28.04' LT END (P) ASPHALT FG – EOA EL = 7265.95 [M]
L4
L5
L6
L7
L8
L9
L10
L11
L12
C6
C7
L1
L2
L3
A
40
1+00
2+00
3+00
4+00
5+00
6+00
7+00
8+00
9+00
10+00
11+00
12+00
(P) SAWCUT LINE* (TYP)
COUNTY LINE RD.
(P) INTERSECTION MONUMENT (SEE NOTE; THIS SHEET)
(E) GUARD RAIL [PIP]
ROW (TYP)
STA: 4+00.00, 3.27' RT [CLR] = STA: 1+00.00 [FL] BEGIN (P) CURB HEAD TAPER FL – BT EL = 7293.89
STA: 1+05.00 END (P) CURB HEAD TAPER BEGIN TYPE A C&G FL – ET EL = 7293.57
STA: 1+10.00 FL – AP EL = 7293.24
STA: 1+85.94 FL – AP EL = 7285.94
(E) RIPRAP [PIP]
STA: 3+26.42 FL – CR EL = 7277.17
STA: 6+64.58, 18.96' RT [CLR] = STA: 35+49.43, 26.00' LT [MAB] FL-FL INT EL = 7274.73
MISTY ACRES BLVD. (120' ROW)
STA: 7+16.58, 11.81' RT [CLR] = STA: 35+56.58, 26.00' LT [MAB] FL-FL INT EL = 7271.20
STA: 8+01.80, 12.21' RT FG – EOA/DEER GUARD EL = 7267.47
(P) ADDITION TO DEER GUARD (REF: M-611-1)
STA: 7+84.30, 12.13' RT FG – EOA/DEER GUARD EL = 7268.19
STA: 7+56.77, 12.00' RT END TYPE A C&G BEGIN (P) CURB HEAD TAPER FL – BT EL = 7268.57
STA: 7+61.77, 12.00' RT END (P) CURB HEAD TAPER FL – ET EL = 7268.24
STA: 9+00.00, 12.66' RT FG – EOA EL = 7262.58
STA: 10+00.00, 13.13' RT FG – EOA EL = 7260.26
STA: 10+80.53, 13.50' RT END (P) ASPHALT FG – EOA EL = 7263.35 [M]
(E) EDGE OF ASPHALT (TYP)
TRACT E
LOT 37
LOT 36
WOODMOOR WATER & SANITATION DISTRICT NO. 1
TRACT E
TRACT I
POND 4
WETLANDS
(P) STM (TYP)
(P) C&G (TYP)
(E) DEER FENCE (TYP)
(P) DEER FENCE (TYP)
PROPERTY BOUNDARY (TYP)
(P) DEER GUARD
WETLANDS
TRACT L
TRACT M

NOTE: ALL PROPOSED STORM WITHIN THE PUBLIC ROW IS PUBLIC.
STORM FACILITIES OUTSIDE OF PUBLIC ROW IS PRIVATE.


COUNTY LINE RD.
I-25
MONUMENT HILL RD.
N

LOCATION MAP

SCALE: N.T.S.

INTERSECTION MONUMENTATION NOTE:

ALL ROADWAY INTERSECTIONS OF COLLECTOR CLASSIFICATION AND ABOVE SHALL BE MONUMENTED AT THE CENTERLINE INTERSECTION AT COMPLETION OF CONSTRUCTION. A METALLIC PIPE OR ROD POSSESSING A MAGNETIC FIELD AND HAVING A MINIMUM OUTSIDE DIAMETER OF 5/8" (#5 REBAR), A MINIMUM LENGTH OF 18", AND A TWO-INCH MINIMUM DIAMETER DURABLE METALLIC CAP MARKED WITH PLS NO. (2.5" CAP PREFERRED) SHALL BE INSTALLED IN A LOAD BEARING SURVEY MONUMENT BOX. THE TOP OF THE BOX SHALL BE SET FLUSH WITH THE SURFACE OF THE PAVEMENT. THE MONUMENTS SHALL BE LOCATED (WITH LINEAR AND ANGULAR DIMENSIONS) AND DESCRIBED ON THE FINAL PLAT.

*	CROSSPAN (REF: SD_2-26)
A	CURB TYPE CALL-OUT
(30)	CURB RETURN RADIUS

0 50 100

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

COUNTY LINE ROAD
(ROW VARIES)
STA: 1+00 ~ 13+00
RURAL MAJOR COLLECTOR
50 MPH

7300
7290
7280
7270
7260
-6.52%
-9.61%
-6.24%
STA: 1+00.00 BEGIN (P) CURBHEAD TAPER FL FL EL = 7293.89
STA: 1+10.00 FL – AP FL EL = 7293.24
STA: 1+05.00 END (P) CURB HEAD TAPER BEGIN TYPE A C&G FL EL = 7293.57
STA: 1+85.94 FL – AP FL EL = 7285.94
(P) GRADE @ FL
(E) GRADE @ FL
STA: 3+65.49 FL-FL INT [LT] EL = 7274.73
STA: 3+26.42 FL – CR FL EL = 7277.17
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	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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STREET NAME ABREVIATIONS:

MISTY ACRES BOULEVARD = MAB
MONUMENT HILL ROAD [EAST] = MHE
MONUMENT HILL ROAD [WEST] = MHW
SNOWY TOP DRIVE = STD
COUNTY LINE ROAD (SECTION LINE) = CLR
[CENTER LINE BASED ON THE NORTH LINE OF THE SW 1/4 OF SECTION 2, T11S, R67W]

PREPARED FOR:

MONUMENT RIDGE EAST, LLC

5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

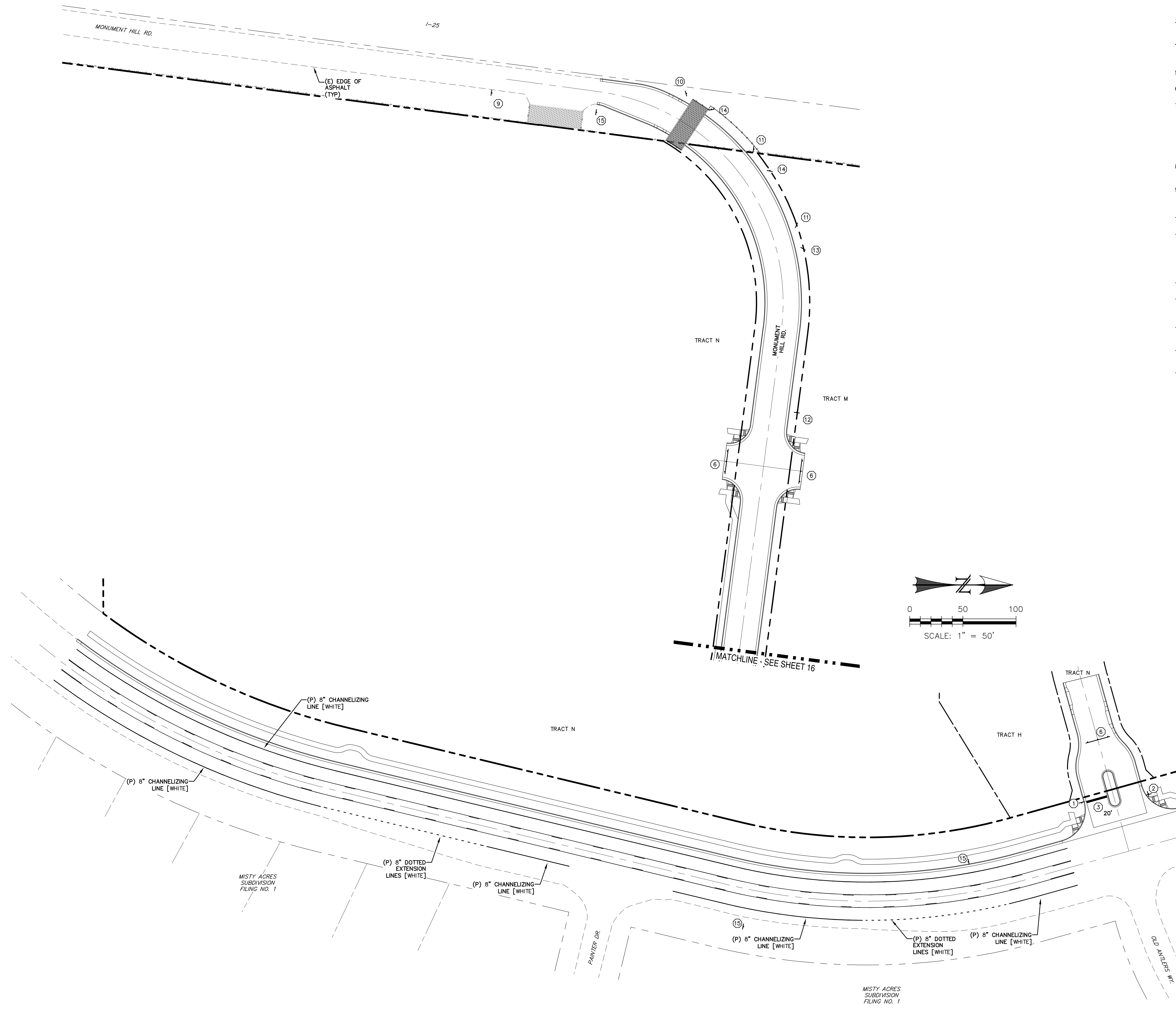
PREPARE
RAYMO

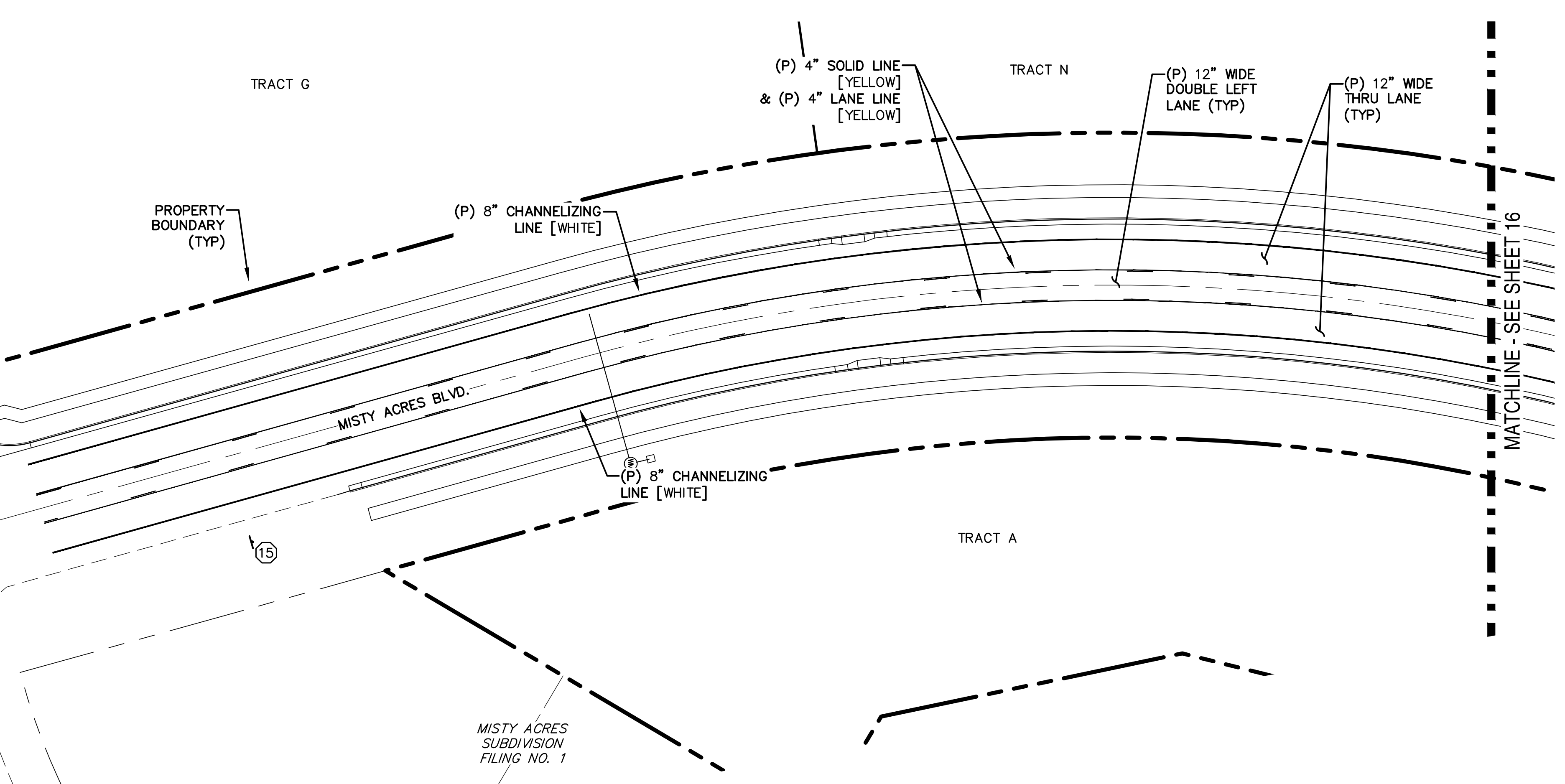
NOT FOR CONSTRUCTION

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

MONUMENT RIDGE EAST
FILING NO. 1
STREET IMPROVEMENT
PLAN & PROFILE

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 50'	DATE: 04/08/25
JOB NUMBER	SHEET
24-001	15 OF 29


MONUMENT HILL RD.
I-25
(E) EDGE OF ASPHALT (TYP)
⑨
⑩
⑪
⑫
⑬
⑭
⑮
⑥
TRACT N
TRACT M
MONUMENT HILL RD.
MATCHLINE - SEE SHEET 16
0 50 100
SCALE: 1" = 50'
(P) 8" CHANNELIZING LINE [WHITE]
(P) 8" DOTTED EXTENSION LINES [WHITE]
MISTY ACRES SUBDIVISION FILING NO. 1
PAINTER DR.
OLD ANTLERS WY.
TRACT H
① ② ③
20'


TRACT G
TRACT N
(P) 4" SOLID LINE [YELLOW] & (P) 4" LANE LINE [YELLOW]
(P) 12" WIDE DOUBLE LEFT LANE (TYP)
(P) 12" WIDE THRU LANE (TYP)
PROPERTY BOUNDARY (TYP)
(P) 8" CHANNELIZING LINE [WHITE]
MISTY ACRES BLVD.
⑮
TRACT A
MISTY ACRES SUBDIVISION FILING NO. 1
MATCHLINE - SEE SHEET 16

SIGNING & STRIPING NOTES:

1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (DPW).
4. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
5. STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
6. ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
7. ALL STREET NAME SIGNS SHALL HAVE "D" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING 4" UPPER–LOWER CASE LETTERING ON 8" BLANK AND NON–LOCAL ROADWAY SIGNS BEING 6" LETTERING, UPPER–LOWER CASE ON 12" BLANK, WITH A WHITE BORDER THAT IS NOT RECESSED. MULTI–LANE ROADWAYS WITH SPEED LIMITS OF 35 MPH OR HIGHER SHALL HAVE 8" UPPER–LOWER CASE LETTERING ON 12" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON–RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE FHWA STANDARD HIGHWAY SIGNS: 2004 EDITION WITH 2012 SUPPLEMENT. SIGNAL POLE MOUNTED AND OVERHEAD STREET NAME SIGNS SHALL BE PER MUTCD SIZE STANDARDS.
8. ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM DIAMOND GRADE RETROREFLECTIVE SHEETING THAT MEETS ASTM D4956 TYPE XI SHEETING REQUIREMENTS.
9. ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" x 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S–614–8 REGARDING USE OF THE P2 TUBULAR STEEL POST SLIPBASE DESIGN.
10. ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.125" MINIMUM THICKNESS.
11. ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S–627–1. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALK LINES SHALL BE 24" WIDE AND A MINIMUM OF 9' LONG. CROSSWALKS SHALL BE INLAID IN ACCORDANCE WITH SECTION 627 OF THE 2025 CDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION.
12. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE.
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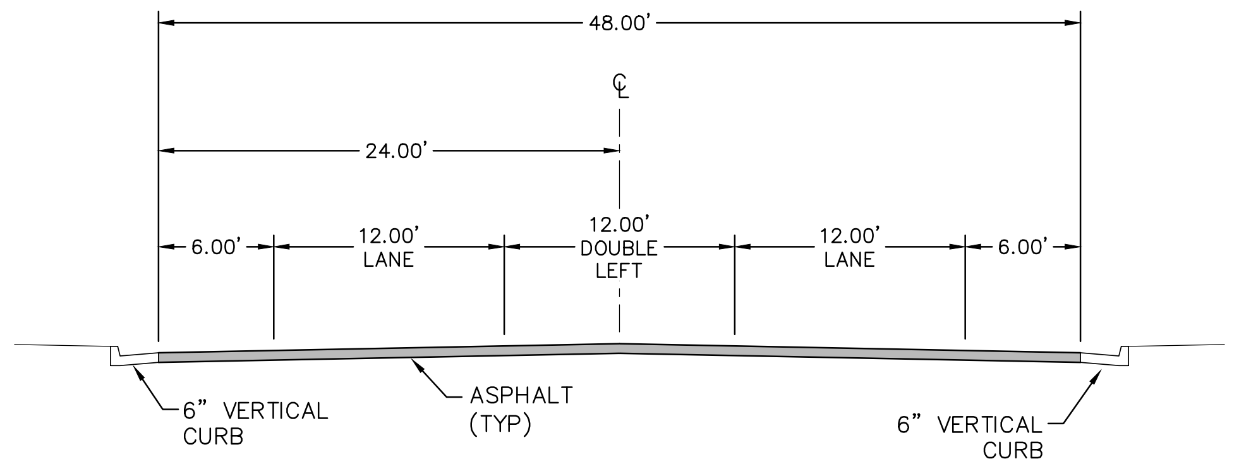
14. ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH CDOT STANDARD S–614–1 OR MUTCD FIGURE 2A–2.
15. THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY DPW – INSPECTIONS (719) 520–6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
16. THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DPW PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

LEGEND

EXISTING	(E)
PROPOSED	(P)
CURB AND GUTTER	C&G
PROPERTY BOUNDARY	▬ ▬ ▬ ▬
RIGHT–OF–WAY	▬ – – ▬
PROPERTY LINE	— – — – —
(P) SIGN	⊤
(P) R1–1 (STOP SIGN – 36"x36")	①
(P) D3 (STREET NAME) [12" HEIGHT; 8" LETTERING] (WHITE ON GREEN)	②
(P) STOP BAR (2' WIDE) W/ LENGTH	③ X'
(P) R3–5R (RIGHT TURN ONLY) (BLACK ON WHITE)	④
(P) R3–8R (DOUBLE TURN) (BLACK ON WHITE)	⑤
(P) BARRICADE [TYPE III – MOVABLE SKIDS] W/ R11–2 (ROAD CLOSED – 48"x30")	⑥
(P) PAVEMENT MARKING – ARROW SYMBOL "THRU – LEFT TURN" [WHITE]	⑦
(P) PAVEMENT MARKING – ARROW SYMBOL "RIGHT TURN" [WHITE]	⑧
(P) W1–1R (TURN) w/ W13–1 (15 MPH) [BLACK ON YELLOW]	⑨
(P) W1–6R (ARROW) w/ W13–1aP (15 MPH) [BLACK ON YELLOW]	⑩
(P) W1–8R (CHEVRON ALIGNMENT) [BLACK ON YELLOW]	⑪
(P) W1–1L (TURN) w/ W13–1 (15 MPH) [BLACK ON YELLOW]	⑫
(P) W1–6L (ARROW) w/ W13–1aP (15 MPH) [BLACK ON YELLOW]	⑬
(P) W1–8L (CHEVRON ALIGNMENT) [BLACK ON YELLOW]	⑭
(P) R2–1 (SPEED LIMIT – "35") [WHITE ON BLACK]	⑮


48.00'
℄
24.00'
6.00'
12.00' LANE
12.00' DOUBLE LEFT
12.00' LANE
6.00'
6" VERTICAL CURB
ASPHALT (TYP)
6" VERTICAL CURB

TYPICAL SECTION - LANE WIDTHS - MISTY ACRES BOULEVARD

SCALE: N.T.S.

REV.	DESCRIPTION	DATE
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(719) 291–2744

MONUMENT RIDGE EAST
FILING NO. 1
SIGNAGE &
STRIPING PLAN

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 50'	DATE: 04/08/25
JOB NUMBER	SHEET
24–001	16 OF 29

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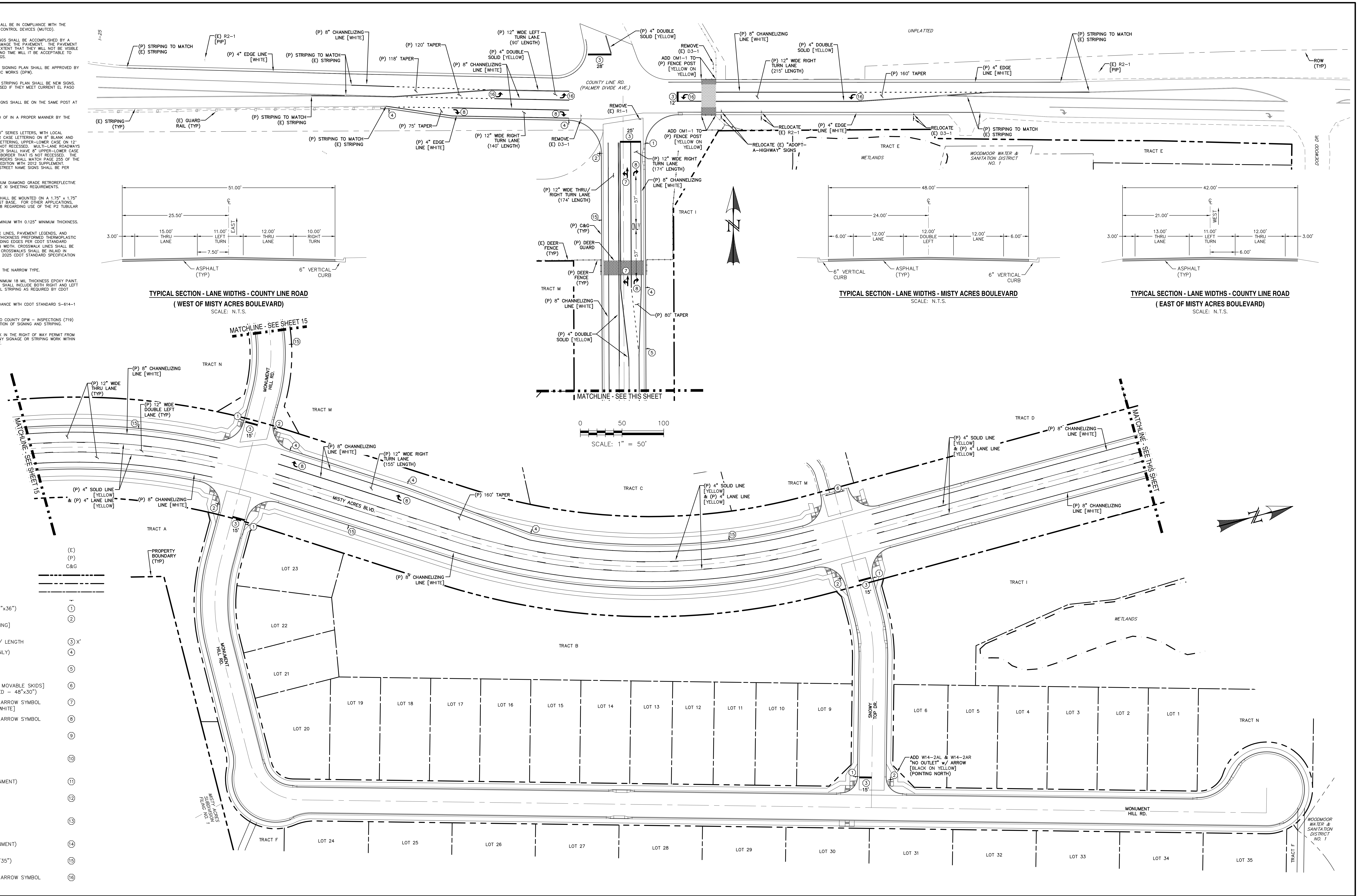
I–25
(P) STRIPING TO MATCH
(E) STRIPING
(E) R2–1
[PIP]
(P) 4" EDGE LINE [WHITE]
(P) STRIPING TO MATCH
(E) STRIPING
(P) 8" CHANNELIZING LINE [WHITE]
(P) 118' TAPER
(P) 120' TAPER
(P) 12" WIDE LEFT TURN LANE (90' LENGTH)
(P) 4" DOUBLE SOLID [YELLOW]
(P) 8" CHANNELIZING LINE [WHITE]
(E) STRIPING (TYP)
(E) GUARD RAIL (TYP)
(P) STRIPING TO MATCH
(E) STRIPING
(P) 75' TAPER
(P) 4" EDGE LINE [WHITE]
(P) 12" WIDE RIGHT TURN LANE (140' LENGTH)
REMOVE (E) D3–1
COUNTY LINE RD.
(PALMER DIVIDE AVE.)
REMOVE (E) R1–1
(P) 4" DOUBLE SOLID [YELLOW]
REMOVE (E) D3–1
ADD OM1–1 TO (P) FENCE POST [YELLOW ON YELLOW]
28'
12'
25'
ADD OM1–1 TO (P) FENCE POST [YELLOW ON YELLOW]
RELOCATE (E) R2–1
RELOCATE (E) "ADOPT–A–HIGHWAY" SIGNS
(P) 8" CHANNELIZING LINE [WHITE]
(P) 12" WIDE RIGHT TURN LANE (215' LENGTH)
(P) 4" DOUBLE SOLID [YELLOW]
(P) 160' TAPER
(P) 4" EDGE LINE [WHITE]
RELOCATE (E) D3–1
(P) STRIPING TO MATCH
(E) STRIPING
UNPLATTED
(E) R2–1
[PIP]
ROW (TYP)
TRACT E
WETLANDS
WOODMOOR WATER & SANITATION DISTRICT NO. 1
DOEWOOD DR.
(P) 12" WIDE RIGHT TURN LANE (174' LENGTH)
(P) 8" CHANNELIZING LINE [WHITE]
(P) 12" WIDE THRU/RIGHT TURN LANE (174' LENGTH)
(P) C&G (TYP)
(E) DEER FENCE (TYP)
(P) DEER GUARD
(P) DEER FENCE (TYP)
TRACT I
TRACT M
57'
ONLY
(P) 8" CHANNELIZING LINE [WHITE]
(P) 4" DOUBLE SOLID [YELLOW]
(P) 80' TAPER
MATCHLINE - SEE THIS SHEET
0 50 100
SCALE: 1" = 50'
N
51.00'
25.50'
3.00'
15.00' THRU LANE
11.00' LEFT TURN
12.00' THRU LANE
10.00' RIGHT TURN
7.50'
EAST
ASPHALT (TYP)
6" VERTICAL CURB
TYPICAL SECTION - LANE WIDTHS - COUNTY LINE ROAD
(WEST OF MISTY ACRES BOULEVARD)
SCALE: N.T.S.
48.00'
24.00'
6.00'
12.00' LANE
12.00' DOUBLE LEFT
12.00' LANE
6.00'
6" VERTICAL CURB
ASPHALT (TYP)
6" VERTICAL CURB
TYPICAL SECTION - LANE WIDTHS - MISTY ACRES BOULEVARD
SCALE: N.T.S.
42.00'
21.00'
3.00'
13.00' THRU LANE
11.00' LEFT TURN
12.00' THRU LANE
3.00'
6.00'
WEST
ASPHALT (TYP)
TYPICAL SECTION - LANE WIDTHS - COUNTY LINE ROAD
(EAST OF MISTY ACRES BOULEVARD)
SCALE: N.T.S.
MATCHLINE - SEE SHEET 15
MATCHLINE - SEE SHEET 15
MATCHLINE - SEE THIS SHEET
(P) 12" WIDE THRU LANE (TYP)
(P) 12" WIDE DOUBLE LEFT LANE (TYP)
(P) 8" CHANNELIZING LINE [WHITE]
TRACT N
TRACT M
MONUMENT HILL RD.
(P) 8" CHANNELIZING LINE [WHITE]
(P) 12" WIDE RIGHT TURN LANE (155' LENGTH)
(P) 160' TAPER
MISTY ACRES BLVD.
(P) 4" SOLID LINE [YELLOW]
& (P) 4" LANE LINE [YELLOW]
(P) 8" CHANNELIZING LINE [WHITE]
15'
TRACT A
TRACT C
TRACT M
TRACT D
(P) 4" SOLID LINE [YELLOW]
& (P) 4" LANE LINE [YELLOW]
(P) 4" SOLID LINE [YELLOW]
& (P) 4" LANE LINE [YELLOW]
(P) 8" CHANNELIZING LINE [WHITE]
(P) 8" CHANNELIZING LINE [WHITE]
(P) 8" CHANNELIZING LINE [WHITE]
PROPERTY BOUNDARY (TYP)
TRACT I
WETLANDS
TRACT B
LOT 23
LOT 22
LOT 21
LOT 20
LOT 19
LOT 18
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
MONUMENT HILL RD.
YOKI DR.
ADD W14–2AL & W14–2AR "NO OUTLET" w/ ARROW [BLACK ON YELLOW] (POINTING NORTH)
MONUMENT HILL RD.
MISTY ACRES SUBDIVISION FILING NO. 1
TRACT F
LOT 24
LOT 25
LOT 26
LOT 27
LOT 28
LOT 29
LOT 30
LOT 31
LOT 32
LOT 33
LOT 34
LOT 35
TRACT F
WOODMOOR WATER & SANITATION DISTRICT NO. 1

LEGEND

EXISTING	(E)
PROPOSED	(P)
CURB AND GUTTER	C&G
PROPERTY BOUNDARY	▬ ‒ ‒ ‒ ▬
RIGHT–OF–WAY	── ‒ ‒ ──
PROPERTY LINE	─‒─‒─
(P) SIGN	⍑
(P) R1–1 (STOP SIGN – 36"x36")	①
(P) D3 (STREET NAME) [12" HEIGHT; 8" LETTERING] (WHITE ON GREEN)	②
(P) STOP BAR (2' WIDE) W/ LENGTH	③ X'
(P) R3–5R (RIGHT TURN ONLY) (BLACK ON WHITE)	④
(P) R3–8R (DOUBLE TURN) (BLACK ON WHITE)	⑤
(P) BARRICADE [TYPE III – MOVABLE SKIDS] W/ R11–2 (ROAD CLOSED – 48"x30")	⑥
(P) PAVEMENT MARKING – ARROW SYMBOL "THRU – LEFT TURN" [WHITE]	⑦
(P) PAVEMENT MARKING – ARROW SYMBOL "RIGHT TURN" [WHITE]	⑧
(P) W1–1R (TURN) W/ W13–1 (15 MPH) [BLACK ON YELLOW]	⑨
(P) W1–6R (ARROW) W/ W13–1aP (15 MPH) [BLACK ON YELLOW]	⑩
(P) W1–8R (CHEVRON ALIGNMENT) [BLACK ON YELLOW]	⑪
(P) W1–1L (TURN) W/ W13–1 (15 MPH) [BLACK ON YELLOW]	⑫
(P) W1–6L (ARROW) W/ W13–1aP (15 MPH) [BLACK ON YELLOW]	⑬
(P) W1–8L (CHEVRON ALIGNMENT) [BLACK ON YELLOW]	⑭
(P) R2–1 (SPEED LIMIT – "35") [WHITE ON BLACK]	⑮
(P) PAVEMENT MARKING – ARROW SYMBOL "LEFT TURN" [WHITE]	⑯

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
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ENGINEERING
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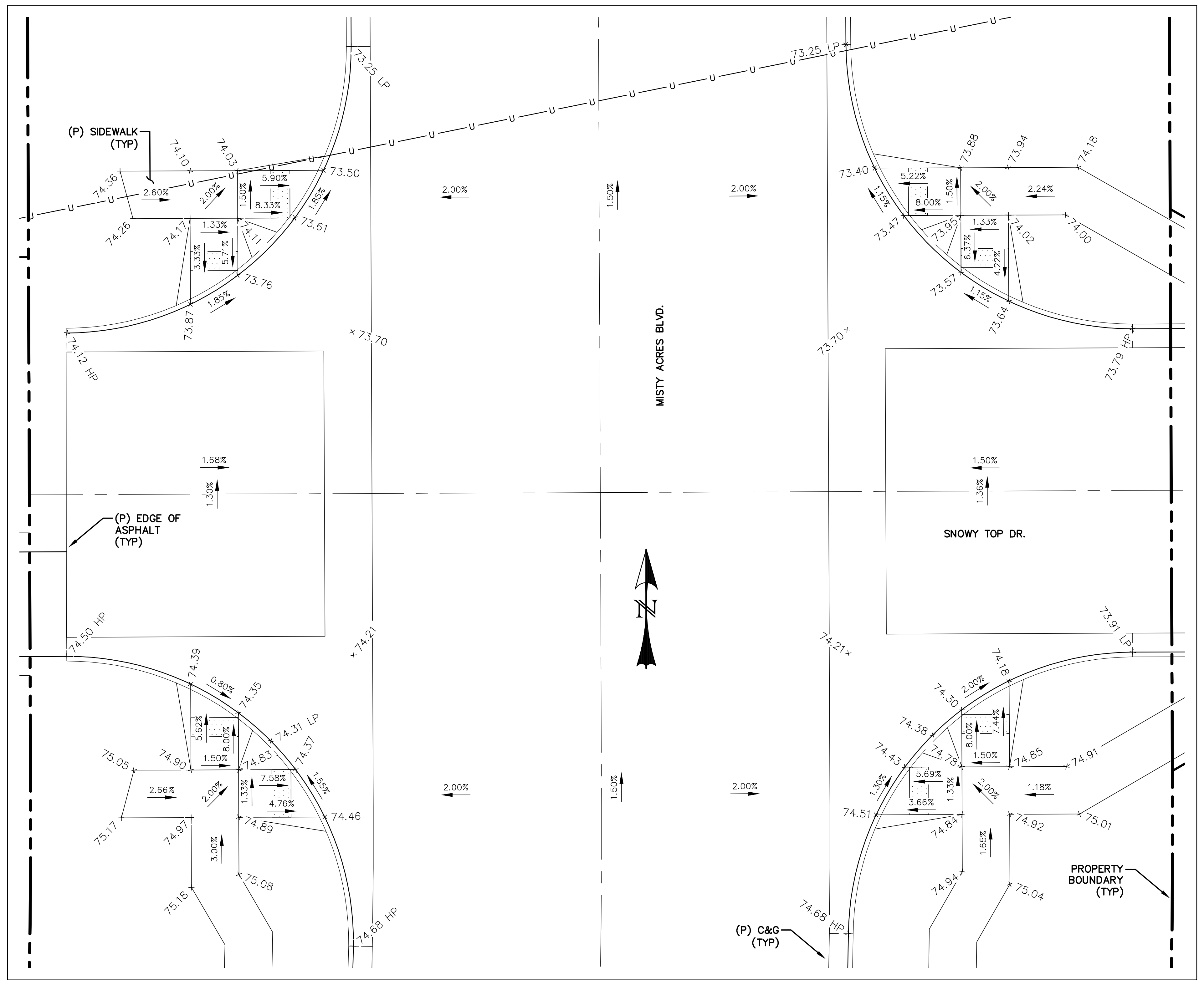
(719) 291–2744

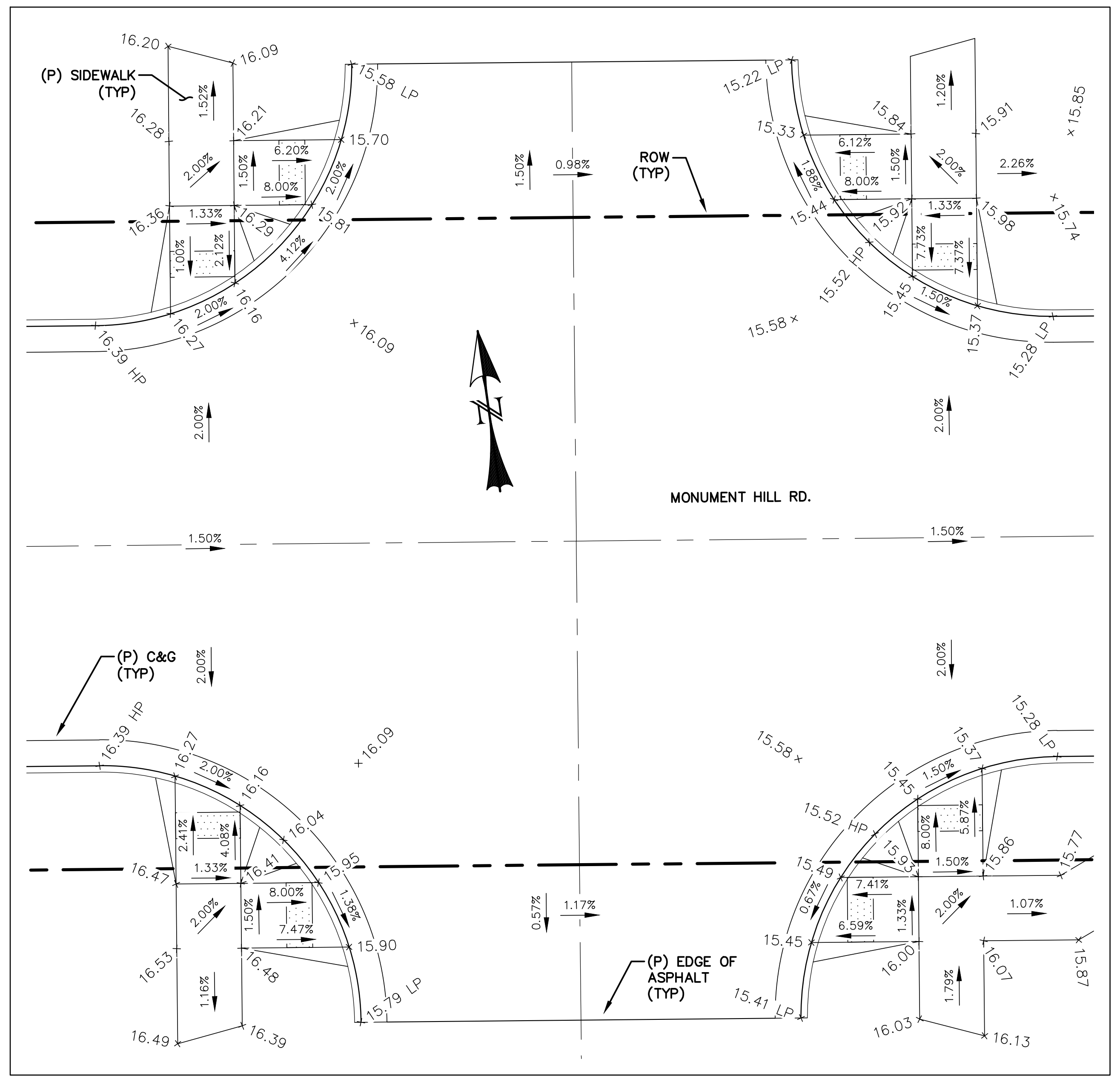
MONUMENT RIDGE EAST
FILING NO. 1
SIGNAGE &
STRIPING PLAN

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 50'	DATE: 04/08/25
JOB NUMBER	SHEET
24–001	17 OF 29



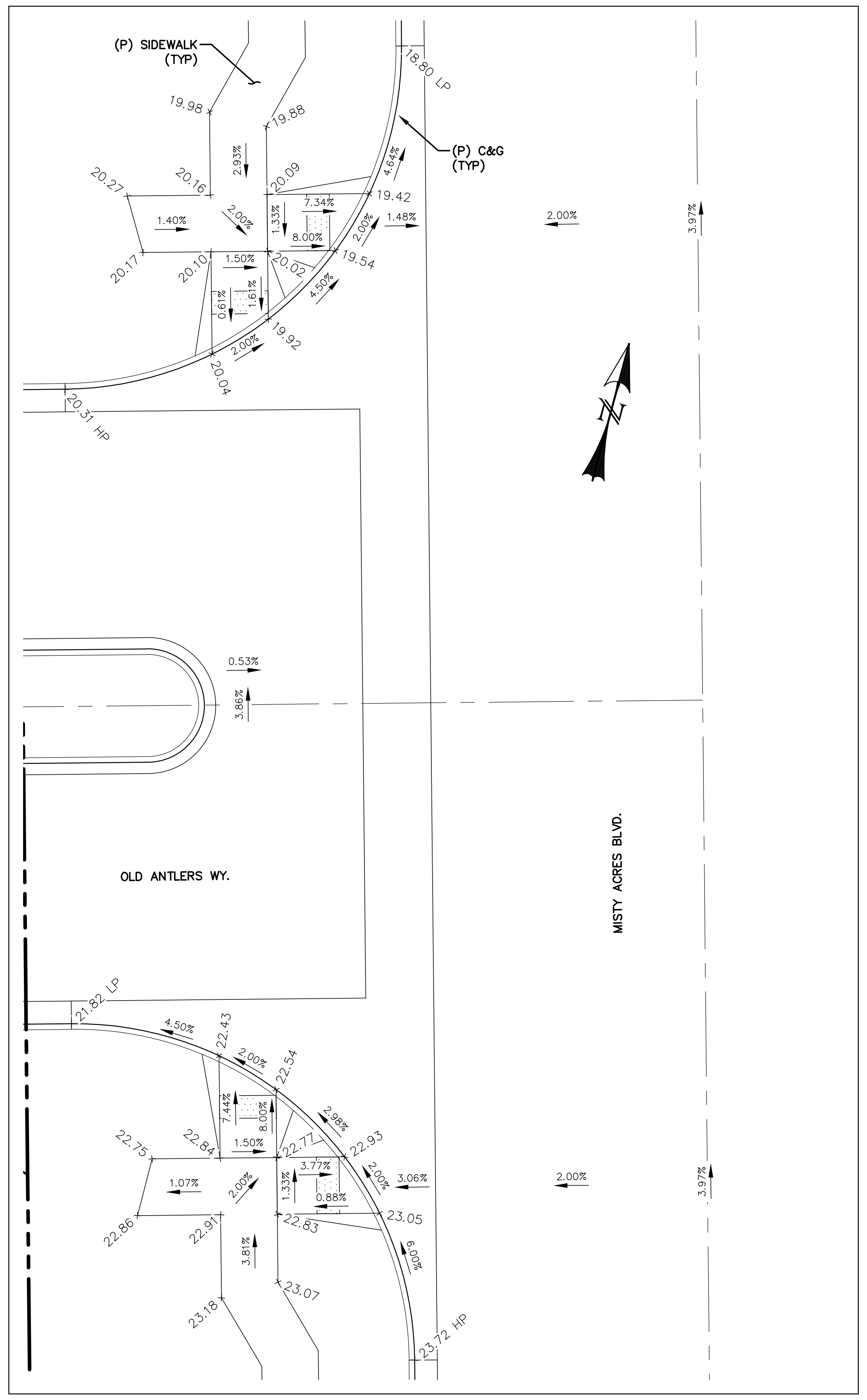
MISTY ACRES BLVD.
SNOWY TOP DR.
(P) SIDEWALK (TYP)
(P) EDGE OF ASPHALT (TYP)
(P) C&G (TYP)
PROPERTY BOUNDARY (TYP)
73.25 LP
74.12 HP
74.50 HP
74.68 HP
73.79 HP
73.91 LP
74.31 LP
73.70
74.21
2.00%
1.50%
1.68%
1.30%

PEDESTRIAN RAMP DETAIL - MISTY ACRES BLVD. & SNOWY TOP DR.
SCALE: 1" = 10'



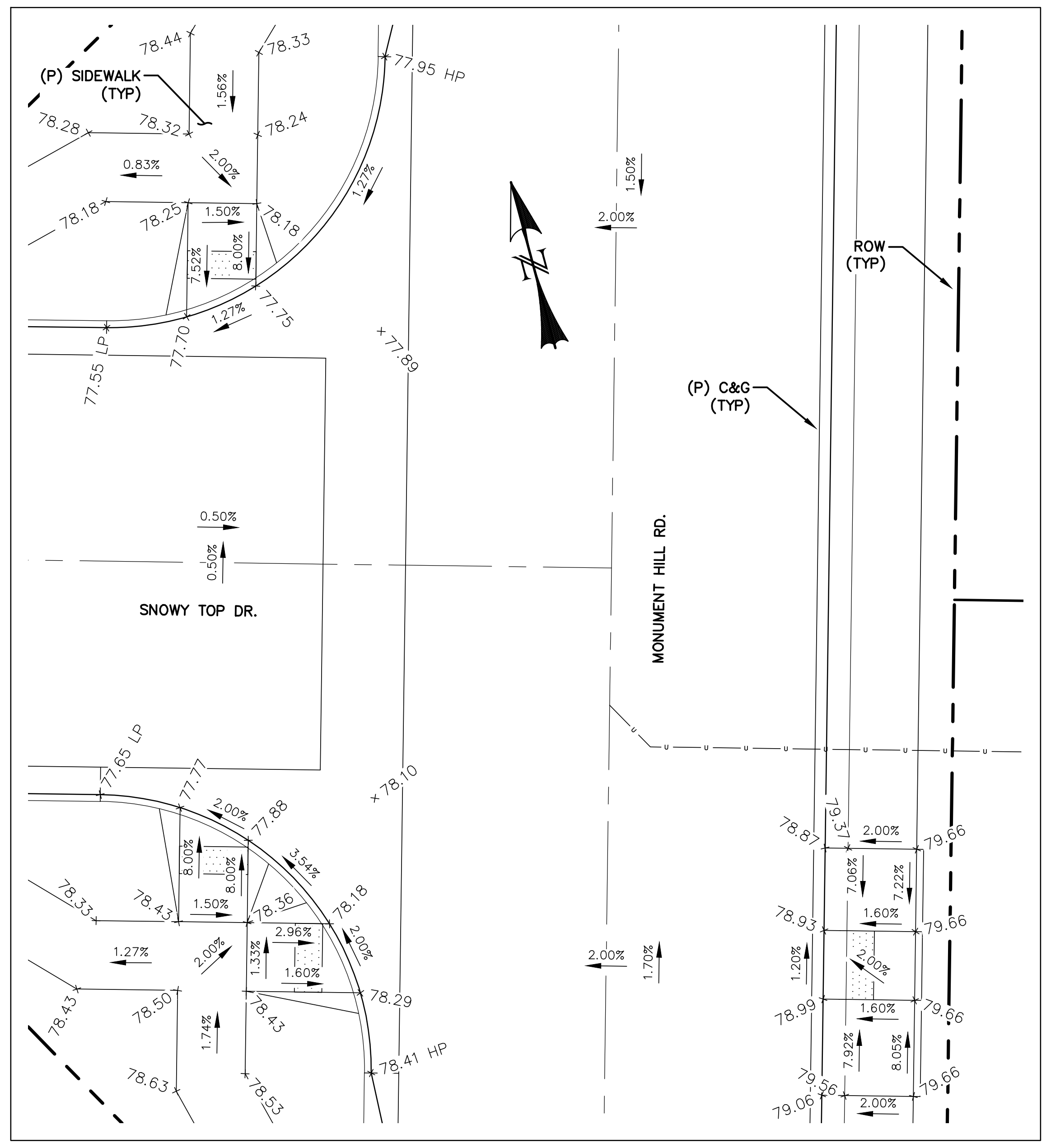
MONUMENT HILL RD.
(P) SIDEWALK (TYP)
ROW (TYP)
(P) C&G (TYP)
(P) EDGE OF ASPHALT (TYP)
15.58 LP
16.39 HP
15.52 HP
15.28 LP
15.79 LP
15.41 LP
16.09
15.58
0.98%
1.50%
2.00%
1.17%
0.97%
1.07%

PEDESTRIAN RAMP DETAIL - MONUMENT HILL RD. WEST INTERSECTION
SCALE: 1" = 10'



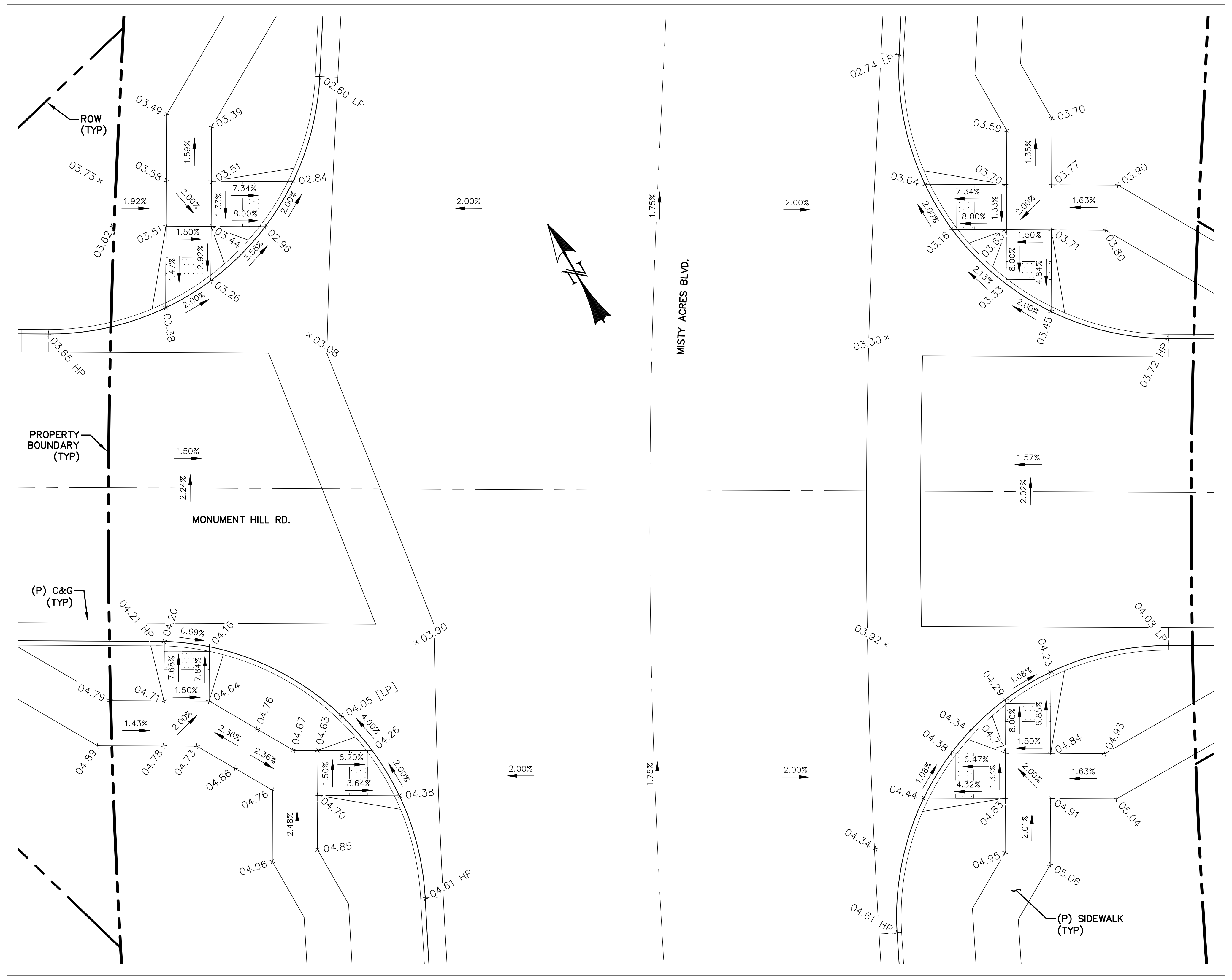
OLD ANTLERS WY.
MISTY ACRES BLVD.
(P) SIDEWALK (TYP)
(P) C&G (TYP)
18.80 LP
20.31 HP
21.82 LP
23.72 HP
0.53%
3.86%
2.00%
3.97%

PEDESTRIAN RAMP DETAIL - MISTY ACRES BLVD. & OLD ANTLERS WY.
SCALE: 1" = 10'



SNOWY TOP DR.
MONUMENT HILL RD.
(P) SIDEWALK (TYP)
ROW (TYP)
(P) C&G (TYP)
77.95 HP
77.55 LP
77.65 LP
78.41 HP
77.89
78.10
0.50%
2.00%
1.50%

PEDESTRIAN RAMP DETAIL - MONUMENT HILL RD. & SNOWY TOP DR.
SCALE: 1" = 10'



MISTY ACRES BLVD.
MONUMENT HILL RD.
ROW (TYP)
PROPERTY BOUNDARY (TYP)
(P) C&G (TYP)
(P) SIDEWALK (TYP)
02.60 LP
02.74 LP
03.65 HP
03.72 HP
04.21 HP
04.05 (LP)
04.08 LP
04.61 HP
03.08
03.30
03.90
03.92
2.00%
1.50%
1.57%
2.24%
2.02%
1.75%

PEDESTRIAN RAMP DETAIL - MISTY ACRES BLVD. & MONUMENT HILL RD.
SCALE: 1" = 10'

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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0 10 20
SCALE: 1" = 10'

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

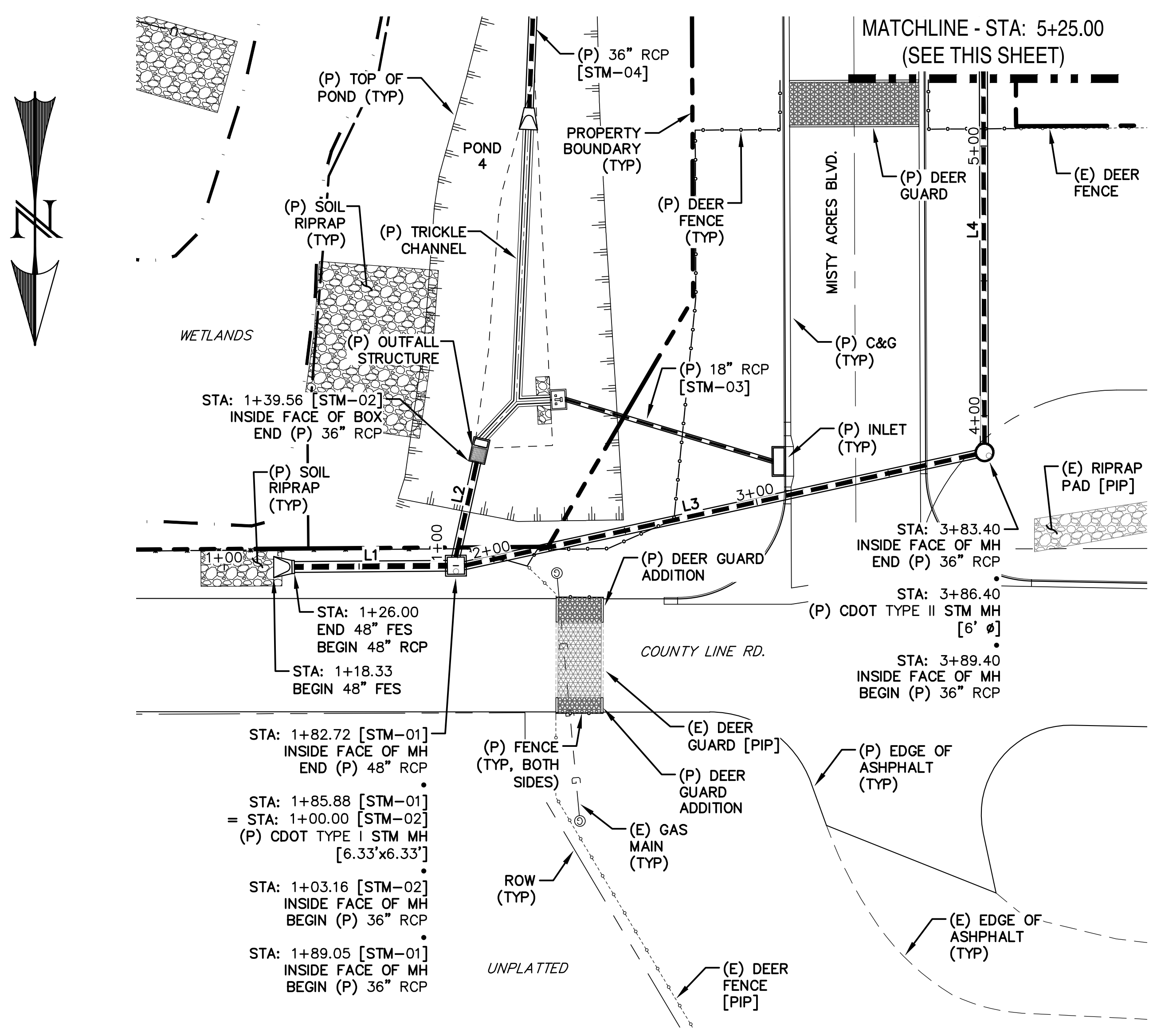
NOT FOR CONSTRUCTION

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

MONUMENT RIDGE EAST
FILING NO. 1

PEDESTRIAN RAMP DETAILS

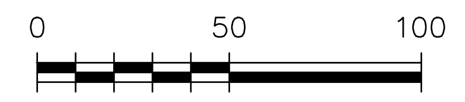
DESIGNED BY:	MGP	DRAWN BY:	MGP
SCALE:	1" = 10'	DATE:	04/08/25
JOB NUMBER	24-001	SHEET	18 OF 29


MATCHLINE - STA: 5+25.00
(SEE THIS SHEET)
(P) 36" RCP
[STM-04]
(P) TOP OF
POND (TYP)
POND
4
PROPERTY
BOUNDARY
(TYP)
(P) DEER
GUARD
(E) DEER
FENCE
(P) SOIL
RIPRAP
(TYP)
(P) TRICKLE
CHANNEL
(P) DEER
FENCE
(TYP)
MISTY ACRES BLVD.
5+00
L4
WETLANDS
(P) OUTFALL
STRUCTURE
(P) C&G
(TYP)
(P) 18" RCP
[STM-03]
STA: 1+39.56 [STM-02]
INSIDE FACE OF BOX
END (P) 36" RCP
(P) INLET
(TYP)
4+00
(P) SOIL
RIPRAP
(TYP)
L2
L3
3+00
(E) RIPRAP
PAD [PIP]
1+00
L1
1+00
2+00
STA: 3+83.40
INSIDE FACE OF MH
END (P) 36" RCP
(P) DEER GUARD
ADDITION
STA: 3+86.40
(P) CDOT TYPE II STM MH
[6' ø]
STA: 1+26.00
END 48" FES
BEGIN 48" RCP
COUNTY LINE RD.
STA: 3+89.40
INSIDE FACE OF MH
BEGIN (P) 36" RCP
STA: 1+18.33
BEGIN 48" FES
STA: 1+82.72 [STM-01]
INSIDE FACE OF MH
END (P) 48" RCP
(E) DEER
GUARD [PIP]
(P) FENCE
(TYP, BOTH
SIDES)
(P) EDGE OF
ASHPHALT
(TYP)
STA: 1+85.88 [STM-01]
= STA: 1+00.00 [STM-02]
(P) CDOT TYPE I STM MH
[6.33'x6.33']
(P) DEER
GUARD
ADDITION
(E) GAS
MAIN
(TYP)
STA: 1+03.16 [STM-02]
INSIDE FACE OF MH
BEGIN (P) 36" RCP
ROW
(TYP)
(E) EDGE OF
ASHPHALT
(TYP)
STA: 1+89.05 [STM-01]
INSIDE FACE OF MH
BEGIN (P) 36" RCP
UNPLATTED
(E) DEER
FENCE
[PIP]

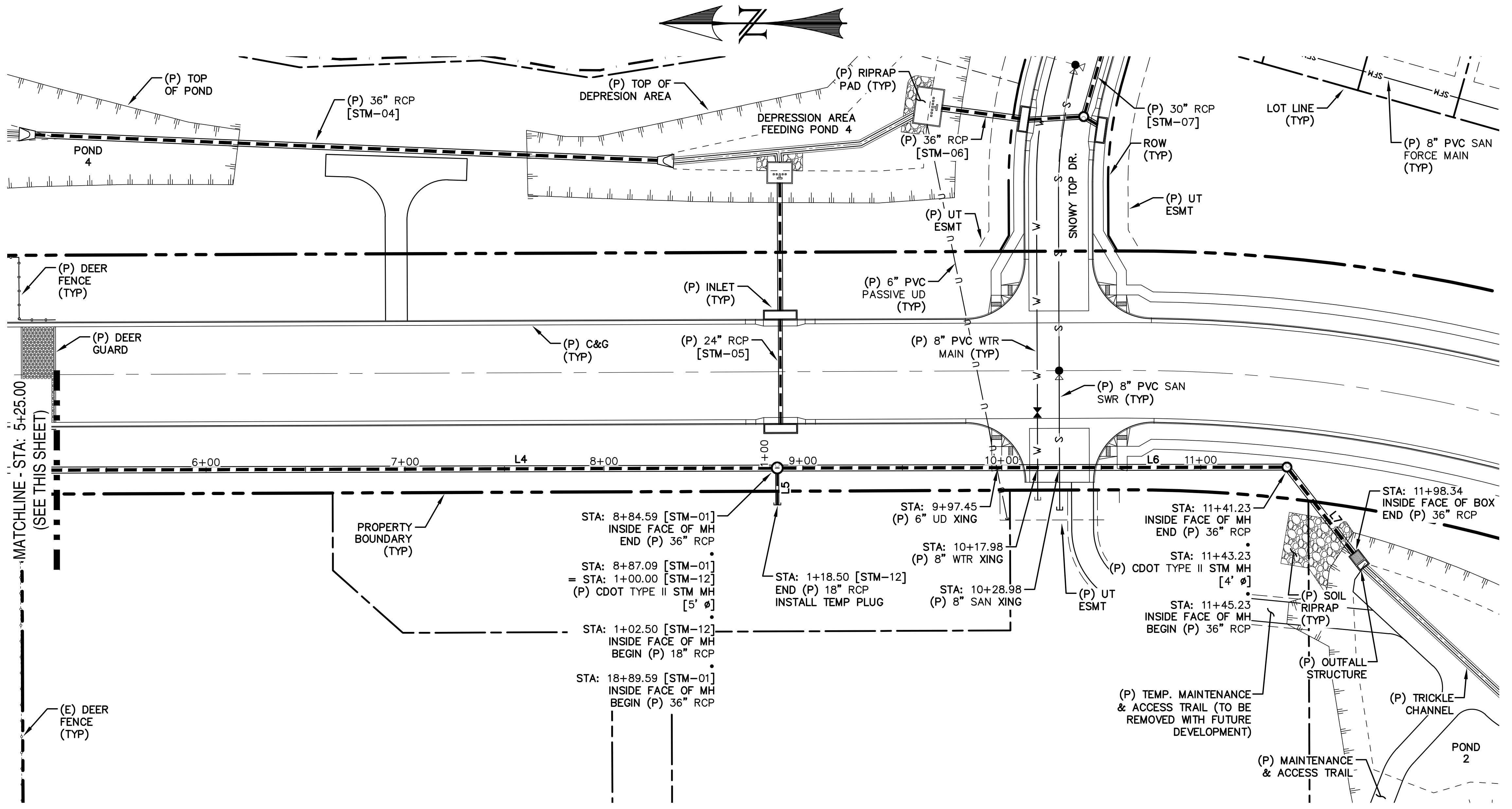
STM-01
STA: 1+00 ~ 5+25

STM-02
STA: 1+00 ~ 1+50

LINE TABLE – STM		
LINE	BEARING	DISTANCE
L1	S89° 33' 38"W	56.72
L2	S12° 26' 47"W	36.39
L3	S77° 43' 18"W	194.35
L4	S0° 09' 44"E	495.20
L5	S89° 50' 16"W	16.00
L6	S0° 06' 11"E	251.64
L7	S52° 14' 18"W	53.11

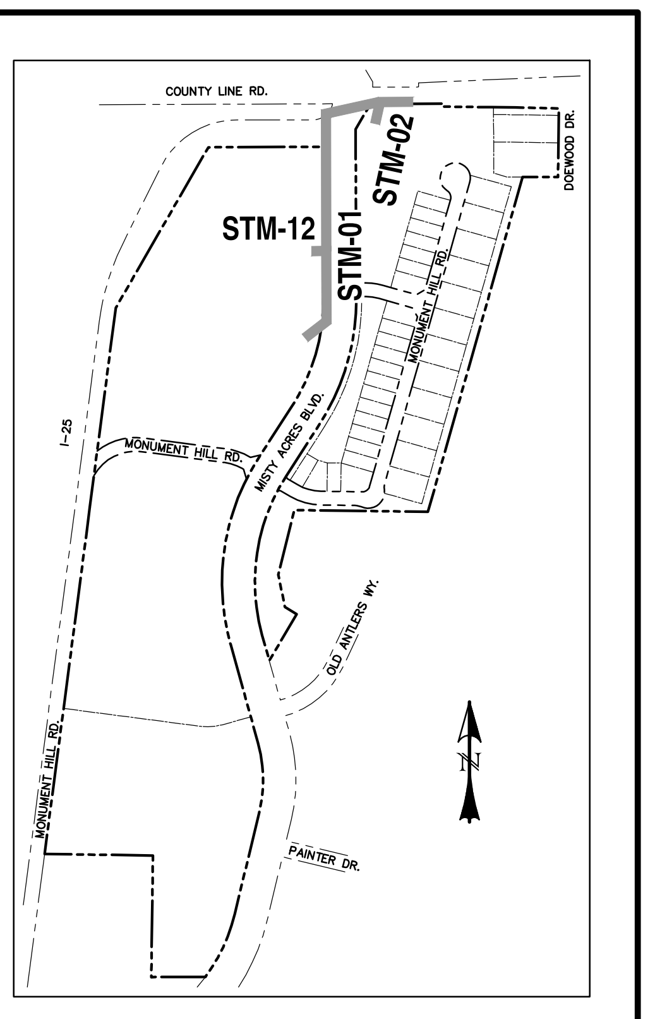


HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'


(P) TOP
OF POND
(P) 36" RCP
[STM-04]
(P) TOP OF
DEPRESION AREA
(P) RIPRAP
PAD (TYP)
DEPRESSION AREA
FEEDING POND 4
(P) 36" RCP
[STM-06]
(P) 30" RCP
[STM-07]
LOT LINE
(TYP)
(P) 8" PVC SAN
FORCE MAIN
(TYP)
ROW
(TYP)
POND
4
(P) UT
ESMT
SNOWY TOP DR.
(P) UT
ESMT
(P) DEER
FENCE
(TYP)
(P) INLET
(TYP)
(P) 6" PVC
PASSIVE UD
(TYP)
(P) DEER
GUARD
(P) C&G
(TYP)
(P) 24" RCP
[STM-05]
(P) 8" PVC WTR
MAIN (TYP)
(P) 8" PVC SAN
SWR (TYP)
MATCHLINE - STA: 5+25.00
(SEE THIS SHEET)
6+00
7+00
L4
8+00
1+00
9+00
10+00
L6
11+00
L5
L7
STA: 11+98.34
INSIDE FACE OF BOX
END (P) 36" RCP
STA: 8+84.59 [STM-01]
INSIDE FACE OF MH
END (P) 36" RCP
STA: 9+97.45
(P) 6" UD XING
STA: 11+41.23
INSIDE FACE OF MH
END (P) 36" RCP
PROPERTY
BOUNDARY
(TYP)
STA: 8+87.09 [STM-01]
= STA: 1+00.00 [STM-12]
(P) CDOT TYPE II STM MH
[5' ø]
STA: 1+18.50 [STM-12]
END (P) 18" RCP
INSTALL TEMP PLUG
STA: 10+17.98
(P) 8" WTR XING
STA: 11+43.23
(P) CDOT TYPE II STM MH
[4' ø]
STA: 10+28.98
(P) 8" SAN XING
(P) UT
ESMT
(P) SOIL
RIPRAP
(TYP)
STA: 11+45.23
INSIDE FACE OF MH
BEGIN (P) 36" RCP
STA: 1+02.50 [STM-12]
INSIDE FACE OF MH
BEGIN (P) 18" RCP
(P) OUTFALL
STRUCTURE
STA: 18+89.59 [STM-01]
INSIDE FACE OF MH
BEGIN (P) 36" RCP
(P) TEMP. MAINTENANCE
& ACCESS TRAIL (TO BE
REMOVED WITH FUTURE
DEVELOPMENT)
(P) TRICKLE
CHANNEL
(E) DEER
FENCE
(TYP)
POND
2
(P) MAINTENANCE
& ACCESS TRAIL

STM-01
STA: 5+25 ~ 12+10

STM-12
STA: 1+00 ~ 1+20


COUNTY LINE RD.
STM-12
STM-01
STM-02
DOEWOOD DR.
MONUMENT HILL RD.
I-25
MONUMENT HILL RD.
MISTY ACRES BLVD.
OLD ANTLERS WY.
MONUMENT HILL RD.
PAINTER DR.
N

LOCATION MAP
SCALE: N.T.S.

NOTE:

1. WATER TIGHT SEAL IS REQUIRED WHEN THE 100-YEAR HGL IS OUTSIDE OF THE PIPES.

7290
7280
7270
7260
7250
(E) GRADE
(TYP)
(P) GRADE
(TYP)
HGLs
100YR
10YR
(P) CDOT TYPE I
STM MH [6.33'x6.33']
RIM = 7266.12
(FLAT TOP)
(P) CDOT TYPE II
STM MH [6' ø]
RIM = 7268.01
(FLAT TOP)
STA: 1+26.00
END 48" FES
BEGIN 48" RCP
INV = 7257.67
56.72 LF OF
48" RCP
@ 2.41%
STA: 1+18.33
BEGIN 48" FES
INV = 7257.49
194.35 LF OF
36" RCP
@ 1.54%
FILTER FABRIC
TO EXTEND
UPSTREAM OF
FES (3' MIN)
6" CDOT CLASS VI
ROAD BASE OVER
MIRAFI FW700
OR APPROVED
EQUAL
(P) 13.0'x30.0'
D50 = 9" DIA.
TYPE 'L'
SOIL RIPRAP
[18" THICK]
STA: 1+82.72
INSIDE FACE OF MH
END 48" RCP
INV = 7259.04
STA: 1+89.72
INSIDE FACE OF MH
BEGIN 36" RCP
INV = 7260.04
STA: 1+85.89
(P) 36" RCP
[STM-02]
INV IN = 7260.04
STA: 3+83.40
INSIDE FACE OF MH
END 36" RCP
INV = 7263.03
STA: 3+89.40
INSIDE FACE OF MH
BEGIN 36" RCP
INV = 7263.31
495.19 LF OF
36" RCP
@ 0.70%
(P) CDOT TYPE II
STM MH [5' ø]
RIM = 7273.55
(FLAT TOP)
STA: 8+84.59
INSIDE FACE OF MH
END 36" RCP
INV = 7266.78
STA: 8+89.59
INSIDE FACE OF MH
BEGIN 36" RCP
INV = 7267.03
STA: 8+87.09
(P) 18" RCP
[STM-12]
INV IN = 7268.53
STA: 9+-7.45
(P) 6" UD XING
BOP (STM) = 7268.10
TOP (UD) = 7266.32
CLR = 1.8'
STA: 10+17.98
(P) 8" WTR XING
BOP (STM) = 7268.37
TOP (WTR) = 7265.37
CLR = 3.0'
STA: 10+28.98
(P) 8" SAN XING
BOP (STM) = 7268.51
TOP (SAN) = 7261.84
CLR = 6.7'
251.64 LF OF
36" RCP
@ 1.30%
(P) CDOT TYPE II
STM MH [4' ø]
RIM = 7277.05
(FLAT TOP)
(P) OUTFALL
STRUCTURE
53.11 LF OF
36" RCP
@ 1.14%
STA: 11+41.23
INSIDE FACE OF MH
END 36" RCP
INV = 7270.30
STA: 11+45.23
INSIDE FACE OF MH
BEGIN 24" RCP
INV = 7270.55
STA: 11+98.34
INSIDE FACE OF BOX
END 36" RCP
INV = 7271.16
STM-01
(P) CDOT TYPE I
STM MH [6.33'x6.33']
RIM = 7268.01
(FLAT TOP)
36.40 LF OF
36" RCP
@ 0.81%
(P) GRADE
(TYP)
(P) OUTFALL
STRUCTURE
(E) GRADE
(TYP)
STA: 1+39.56
INSIDE FACE OF BOX
END 36" RCP
INV = 7258.83
STA: 1+00.00
(P) 36" RCP
[STM-01]
INV IN =
7267.78
(P) 48" RCP
[STM-01]
INV OUT =
7266.78
STA: 1+03.16
BEGIN (P) 36" RCP
[STM-02]
INV IN = 7260.04
STM-02
(E) GRADE
(TYP)
(P) CDOT TYPE II
STM MH [5' ø]
RIM = 7273.55
(FLAT TOP)
16.00 LF OF
18" RCP
@ 1.47%
(P) GRADE
(TYP)
STA: 1+18.50
END (P) 18" RCP
INSTALL TEMP PLUG
INV IN = 7268.77
STA: 1+02.50
BEGIN (P) 18" RCP
[STM-12]
INV IN = 7268.53
STA: 1+00.00
(P) 36" RCP
[STM-01]
INV IN = 7267.03
(P) 48" RCP
[STM-01]
INV OUT = 7266.78
STM-12
1+00
2+00
3+00
4+00
5+00
6+00
7+00
8+00
9+00
10+00
11+00
12+00
1+00
2+00
1+00
2+00

NOTE: THE TRUE HGL FOR ALL PIPE SYSTEMS BETWEEN THE PONDS HAS BEEN MODELED IN SWMM. THERE IS NO ONE FLOW VALUE TO USE AS IT DYNAMICALLY CHANGES OVER THE RAINFALL PERIOD. HOWEVER, IN ORDER TO ELIMINATE THIS COMMENT AND OTHER SIMILAR COMMENTS, WE ARE MAKING THE CHANGE AS REQUESTED BASED ON THE RATIONAL PEAK FLOW RATES" (SHOWN BELOW).

NOTE: THE TRUE HGL FOR ALL PIPE SYSTEMS BETWEEN THE PONDS HAS BEEN MODELED IN SWMM. THERE IS NO ONE FLOW VALUE TO USE AS IT DYNAMICALLY CHANGES OVER THE RAINFALL PERIOD. HOWEVER, IN ORDER TO ELIMINATE THIS COMMENT AND OTHER SIMILAR COMMENTS, WE ARE MAKING THE CHANGE AS REQUESTED BASED ON THE RATIONAL PEAK FLOW RATES" (SHOWN BELOW).

NOTE: THE TRUE HGL FOR ALL PIPE SYSTEMS BETWEEN THE PONDS HAS BEEN MODELED IN SWMM. THERE IS NO ONE FLOW VALUE TO USE AS IT DYNAMICALLY CHANGES OVER THE RAINFALL PERIOD. HOWEVER, IN ORDER TO ELIMINATE THIS COMMENT AND OTHER SIMILAR COMMENTS, WE ARE MAKING THE CHANGE AS REQUESTED BASED ON THE RATIONAL PEAK FLOW RATES" (SHOWN BELOW).

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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PREPARED FOR:

MONUMENT RIDGE EAST, LLC

5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

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RAYMO

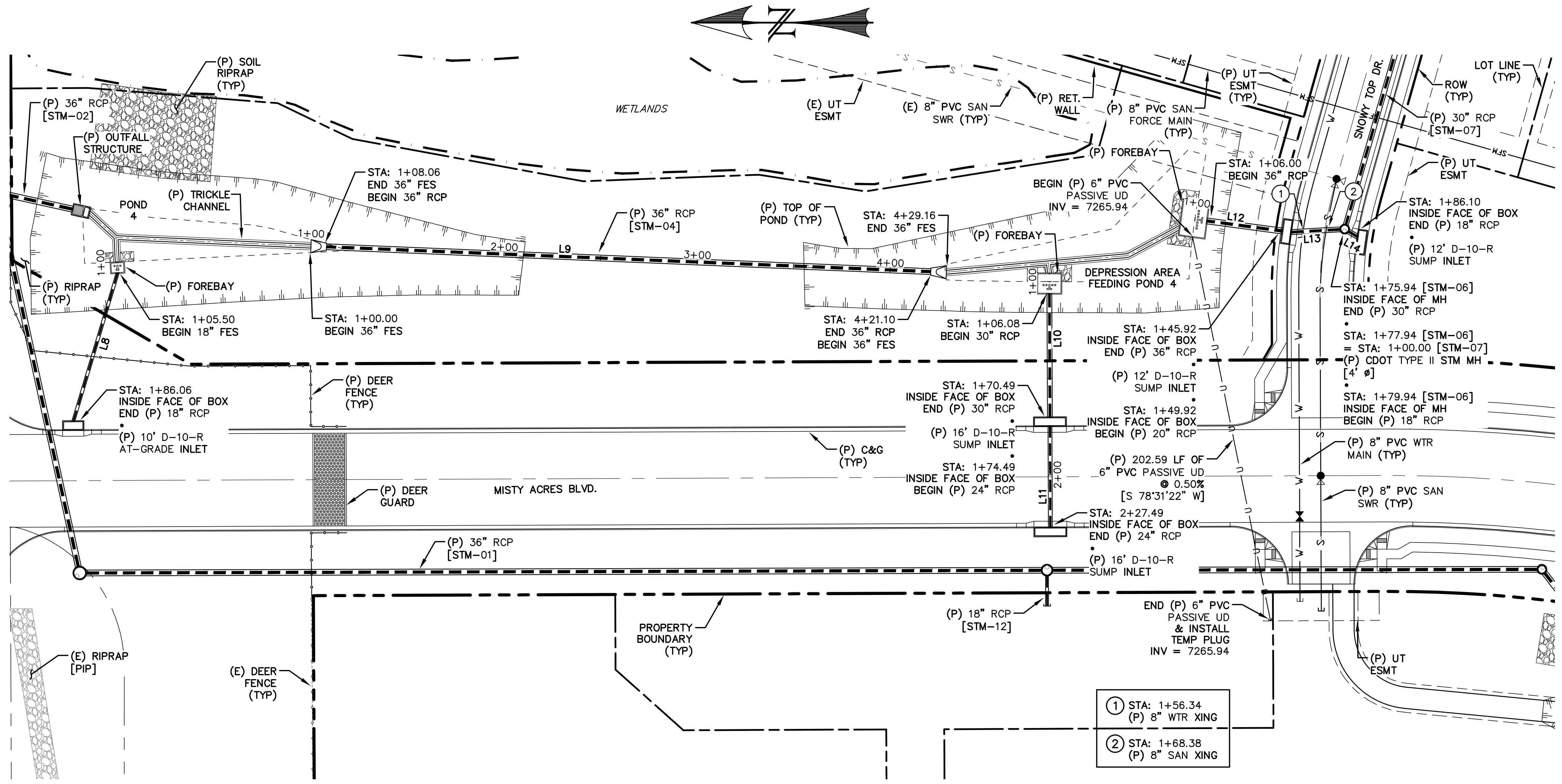
NOT FOR
CONSTRUCTION

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

MONUMENT RIDGE EAST
FILING NO. 1
STORM SEWER
PLAN & PROFILES

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 50'	DATE: 04/08/25
JOB NUMBER	SHEET
24–001	19 OF 29

LINE TABLE – STM		
LINE	BEARING	DISTANCE
L8	N73° 22' 42"W	80.56
L9	S2° 21' 05"W	313.04
L10	S89° 46' 22"W	64.41
L11	S89° 46' 22"W	53.00
L12	S7° 35' 34"W	39.92
L13	S3° 11' 32"E	26.02
L14	S30° 33' 30"W	6.16


N
(P) SOIL RIPRAP (TYP)
(P) 36" RCP [STM-02]
(P) OUTFALL STRUCTURE
POND 4
(P) TRICKLE CHANNEL
WETLANDS
(E) UT ESMT
(E) 8" PVC SAN SWR (TYP)
(P) RET. WALL
(P) 8" PVC SAN FORCE MAIN (TYP)
(P) UT ESMT (TYP)
SNOWY TOP DR.
ROW (TYP)
LOT LINE (TYP)
(P) 30" RCP [STM-07]
(P) UT ESMT
STA: 1+08.06 END 36" FES BEGIN 36" RCP
(P) 36" RCP [STM-04]
(P) TOP OF POND (TYP)
STA: 4+29.16 END 36" FES
(P) FOREBAY
BEGIN (P) 6" PVC PASSIVE UD INV = 7265.94
STA: 1+06.00 BEGIN 36" RCP
STA: 1+86.10 INSIDE FACE OF BOX END (P) 18" RCP • (P) 12' D-10-R SUMP INLET
(P) RIPRAP (TYP)
(P) FOREBAY
STA: 1+05.50 BEGIN 18" FES
STA: 1+00.00 BEGIN 36" FES
STA: 4+21.10 END 36" RCP BEGIN 36" FES
STA: 1+06.08 BEGIN 30" RCP
DEPRESSION AREA FEEDING POND 4
STA: 1+75.94 [STM-06] INSIDE FACE OF MH END (P) 30" RCP • STA: 1+77.94 [STM-06] = STA: 1+00.00 [STM-07] (P) CDOT TYPE II STM MH [4' ø] • STA: 1+79.94 [STM-06] INSIDE FACE OF MH BEGIN (P) 18" RCP
STA: 1+45.92 INSIDE FACE OF BOX END (P) 36" RCP
(P) 12' D-10-R SUMP INLET • STA: 1+49.92 INSIDE FACE OF BOX BEGIN (P) 20" RCP
STA: 1+70.49 INSIDE FACE OF BOX END (P) 30" RCP • (P) 16' D-10-R SUMP INLET • STA: 1+74.49 INSIDE FACE OF BOX BEGIN (P) 24" RCP
(P) 202.59 LF OF 6" PVC PASSIVE UD @ 0.50% [S 78°31'22" W]
STA: 2+27.49 INSIDE FACE OF BOX END (P) 24" RCP • (P) 16' D-10-R SUMP INLET
(P) 8" PVC WTR MAIN (TYP)
(P) 8" PVC SAN SWR (TYP)
STA: 1+86.06 INSIDE FACE OF BOX END (P) 18" RCP • (P) 10' D-10-R AT-GRADE INLET
(P) DEER FENCE (TYP)
(P) C&G (TYP)
(P) DEER GUARD
MISTY ACRES BLVD.
(P) 36" RCP [STM-01]
(P) 18" RCP [STM-12]
END (P) 6" PVC PASSIVE UD & INSTALL TEMP PLUG INV = 7265.94
(P) UT ESMT
(E) RIPRAP [PIP]
(E) DEER FENCE (TYP)
PROPERTY BOUNDARY (TYP)
L8
L9
L10
L11
L12
L13
L14
1+00
2+00
3+00
4+00
① STA: 1+56.34 (P) 8" WTR XING
② STA: 1+68.38 (P) 8" SAN XING

STM-03 STA: 1+00 ~ 2+00

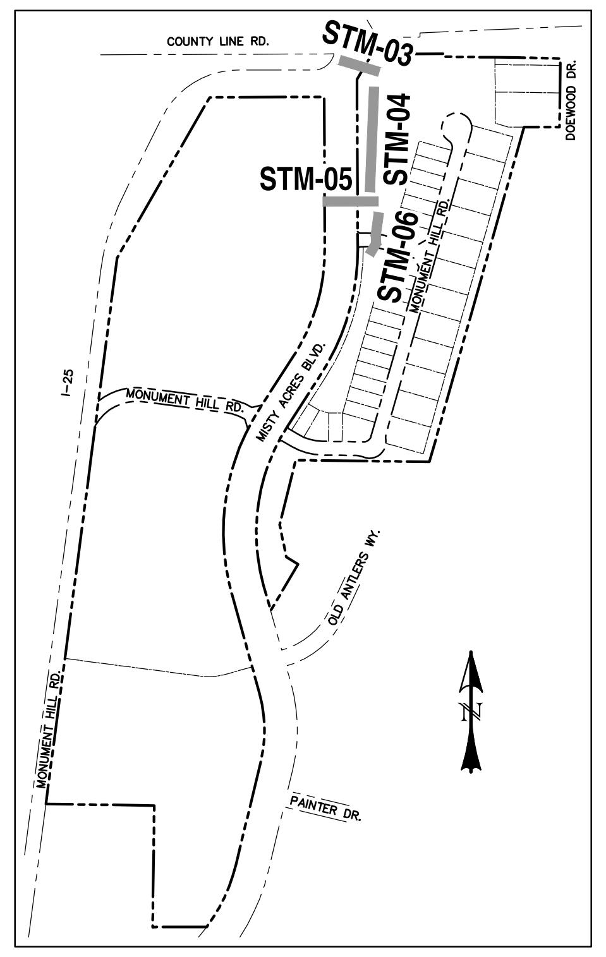
STM-04 STA: 1+00 ~ 4+50

STM-05 STA: 1+00 ~ 2+50

STM-06 STA: 1+00 ~ 2+00

0 50 100

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


COUNTY LINE RD.
STM-03
STM-04
STM-05
STM-06
DOEWOOD DR.
MONUMENT HILL RD.
I-25
MISTY ACRES BLVD.
OLD ANTLERS WY.
PAINTER DR.
N

LOCATION MAP
SCALE: N.T.S.

NOTE:

1. WATER TIGHT SEAL IS REQUIRED WHEN THE 100-YEAR HGL IS OUTSIDE OF THE PIPES.

NOTE: THE TRUE HGL FOR ALL PIPE SYSTEMS BETWEEN THE PONDS HAS BEEN MODELED IN SWMM. THERE IS NO ONE FLOW VALUE TO USE AS IT DYNAMICALLY CHANGES OVER THE RAINFALL PERIOD. HOWEVER, IN ORDER TO ELIMINATE THIS COMMENT AND OTHER SIMILAR COMMENTS, WE ARE MAKING THE CHANGE AS REQUESTED BASED ON THE RATIONAL PEAK FLOW RATES" (SHOWN BELOW).

7280
7270
7260
7250
7240
STA: 1+05.50 FOREBAY INV = 7262.20 BEGIN 18" RCP INV = 7263.20
(P) GRADE (TYP)
(P) 10' D-10-R AT-GRADE INLET TOB [S] = 7273.10 THT [S] = 7272.10 TOB [N] = 7272.86 THT [N] = 7271.86
HGLs
(E) GRADE (TYP)
80.56 LF OF 18" RCP @ 6.76%
STA: 1+86.06 INSIDE FACE OF BOX END 18" RCP INV = 7268.64
(P) FOREBAY
100YR
10YR
STM-03
STA: 1+08.06 END 36" FES BEGIN 36" RCP INV = 7262.65
(P) GRADE (TYP)
HGLs
(E) GRADE (TYP)
STA: 4+21.10 END 36" RCP BEGIN 36" FES INV = 7264.22
313.04 LF OF 36" RCP @ 0.50%
STA: 1+00.00 BEGIN 36" FES INV = 7262.61
STA: 4+29.16 END 36" FES INV = 7264.26
STM-04
(E) GRADE (TYP)
(P) 16' D-10-R SUMP INLET TOB = 7273.28 THT = 7272.28
(P) 16' D-10-R SUMP INLET TOB = 7273.28 THT = 7272.28
STA: 1+06.00 BEGIN 30" RCP INV = 7255.60
(P) GRADE (TYP)
HGLs
64.49 LF OF 30" RCP @ 1.21%
53.00 LF OF 24" RCP @ 2.00%
STA: 2+27.49 INSIDE FACE OF BOX END 24" RCP INV = 7267.94
(P) FOREBAY
STA: 1+70.49 INSIDE FACE OF BOX END 30" RCP INV = 7266.38
STA: 1+74.49 INSIDE FACE OF BOX BEGIN 24" RCP INV = 7266.88
STM-05
26.02 LF OF 30" RCP @ 2.00%
(P) CDOT TYPE II STM MH [4' ø] RIM = 7273.29 (FLAT TOP)
(P) 12' D-10-R SUMP INLET TOB = 7273.95 THT = 7272.95
(P) 12' D-10-R SUMP INLET TOB = 7273.95 THT = 7272.95
STA: 1+06.00 BEGIN 36" RCP INV = 7265.96
1.06'
HGLs
STA: 1+86.10 INSIDE FACE OF BOX END 30" RCP INV = 7268.24
39.92 LF OF 36" RCP @ 1.52%
(P) FOREBAY
6.16 LF OF 18" RCP @ 6.72%
STA: 1+45.92 INSIDE FACE OF BOX END 36" RCP INV = 7266.56
STA: 1+79.94 INSIDE FACE OF MH BEGIN 30" RCP INV = 7267.83
STA: 1+77.94 (P) 30" RCP [STM-07] INV IN = 7267.83
STA: 1+49.92 INSIDE FACE OF BOX BEGIN 30" RCP INV = 7267.06
STA: 8+84.59 INSIDE FACE OF MH END 36" RCP INV = 7266.78
STA: 1+56.34 (P) 8" WTR XING BOP (STM) = 7266.89 TOP (WTR) = 7263.89 CLR = 3.0'
STA: 1+68.38 (P) 8" SAN XING BOP (STM) = 7267.13 TOP (SAN) = 7259.77 CLR = 7.4'
STM-06
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	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

811
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Call 72 hours before you dig.
For more details visit:

PREPARED FOR:

MONUMENT RIDGE EAST, LLC

5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

PREPARE

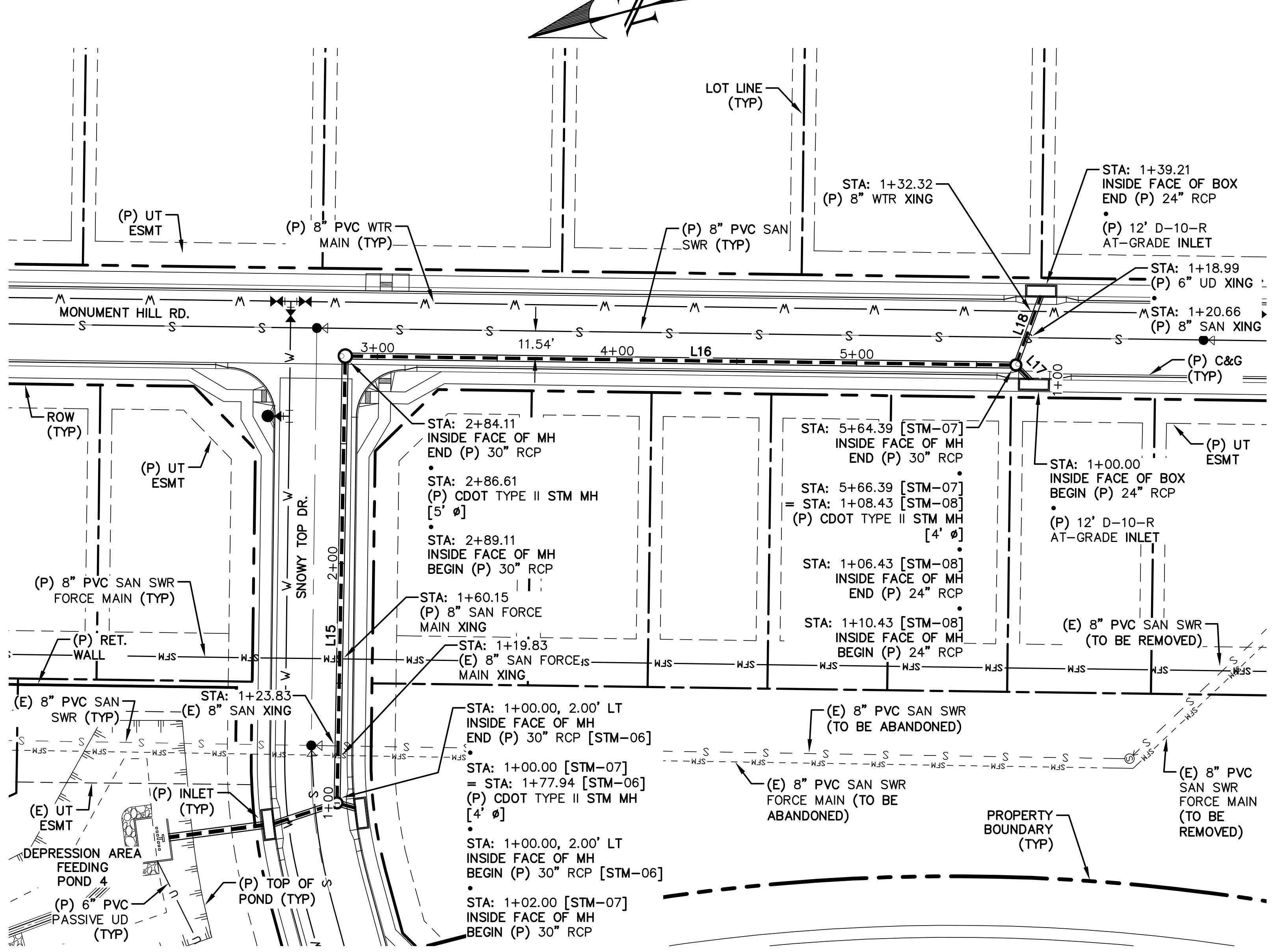
NOT FOR CONSTRUCTION

RAYMO

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

MONUMENT RIDGE EAST
FILING NO. 1
STORM SEWER
PLAN & PROFILES

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 50'	DATE: 04/08/25
JOB NUMBER	SHEET
24–001	20 OF 29

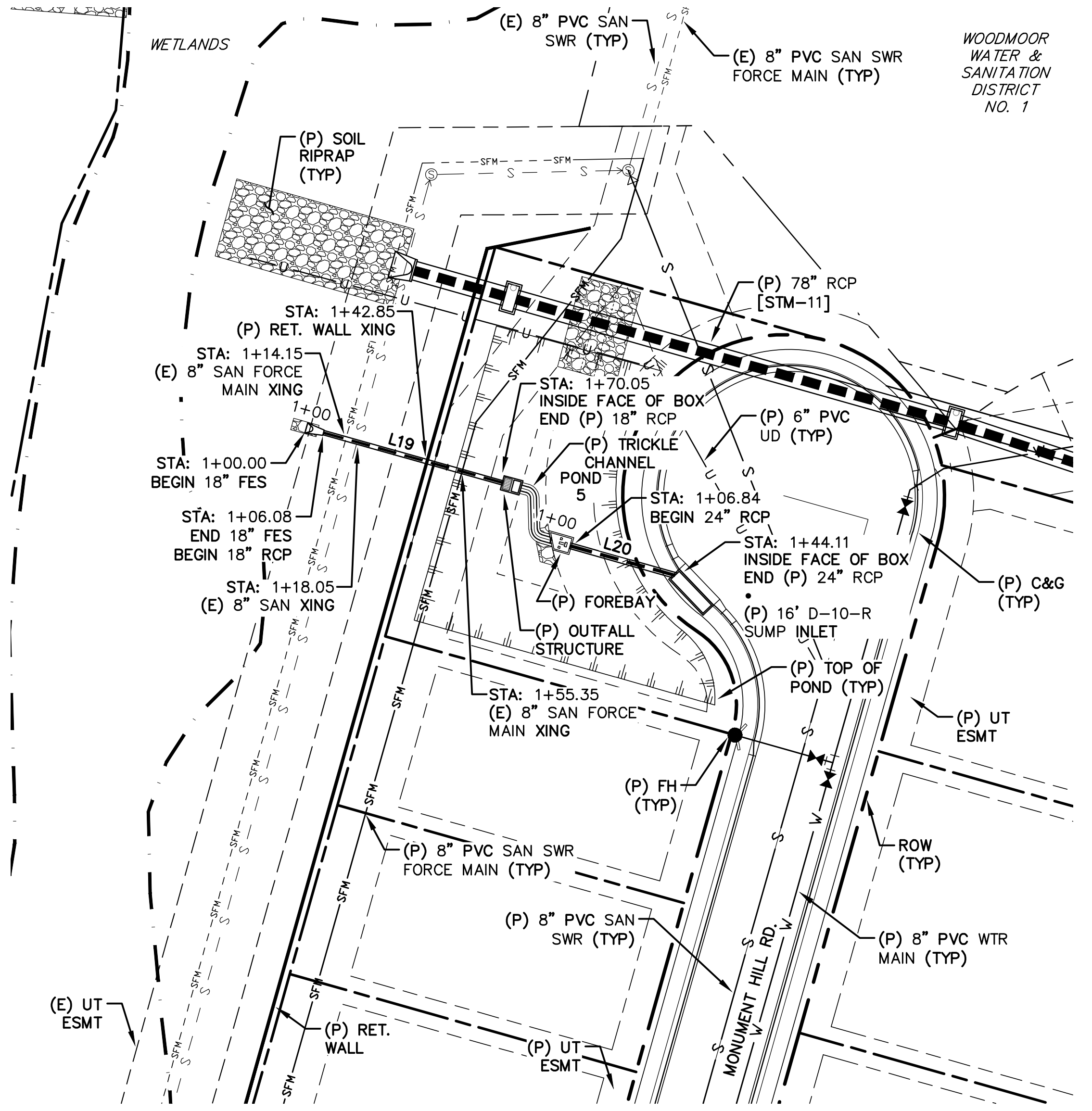

LOT LINE (TYP)
(P) UT ESMT
(P) 8" PVC WTR MAIN (TYP)
(P) 8" PVC SAN SWR (TYP)
MONUMENT HILL RD.
3+00
11.54'
4+00
L16
5+00
ROW (TYP)
(P) UT ESMT
SNOWY TOP DR.
2+00
L15
(P) 8" PVC SAN SWR FORCE MAIN (TYP)
(P) RET. WALL
(E) 8" PVC SAN SWR (TYP)
(E) 8" SAN XING
STA: 1+23.83
(E) UT ESMT
(P) INLET (TYP)
DEPRESSION AREA FEEDING POND 4
(P) 6" PVC PASSIVE UD (TYP)
(P) TOP OF POND (TYP)
1+00
STA: 2+84.11 INSIDE FACE OF MH END (P) 30" RCP • STA: 2+86.61 (P) CDOT TYPE II STM MH [5' ø] • STA: 2+89.11 INSIDE FACE OF MH BEGIN (P) 30" RCP
STA: 1+60.15 (P) 8" SAN FORCE MAIN XING
STA: 1+19.83 (E) 8" SAN FORCE MAIN XING
STA: 1+00.00, 2.00' LT INSIDE FACE OF MH END (P) 30" RCP [STM-06] • STA: 1+00.00 [STM-07] = STA: 1+77.94 [STM-06] (P) CDOT TYPE II STM MH [4' ø] • STA: 1+00.00, 2.00' LT INSIDE FACE OF MH BEGIN (P) 30" RCP [STM-06] • STA: 1+02.00 [STM-07] INSIDE FACE OF MH BEGIN (P) 30" RCP
STA: 1+32.32 (P) 8" WTR XING
STA: 1+39.21 INSIDE FACE OF BOX END (P) 24" RCP • (P) 12' D-10-R AT-GRADE INLET
STA: 1+18.99 (P) 6" UD XING • STA: 1+20.66 (P) 8" SAN XING
L18
L17
1+00
(P) C&G (TYP)
STA: 5+64.39 [STM-07] INSIDE FACE OF MH END (P) 30" RCP • STA: 5+66.39 [STM-07] = STA: 1+08.43 [STM-08] (P) CDOT TYPE II STM MH [4' ø] • STA: 1+06.43 [STM-08] INSIDE FACE OF MH END (P) 24" RCP • STA: 1+10.43 [STM-08] INSIDE FACE OF MH BEGIN (P) 24" RCP
STA: 1+00.00 INSIDE FACE OF BOX BEGIN (P) 24" RCP • (P) 12' D-10-R AT-GRADE INLET
(P) UT ESMT
(E) 8" PVC SAN SWR (TO BE REMOVED)
(E) 8" PVC SAN SWR (TO BE ABANDONED)
(E) 8" PVC SAN SWR FORCE MAIN (TO BE ABANDONED)
(E) 8" PVC SAN SWR FORCE MAIN (TO BE REMOVED)
PROPERTY BOUNDARY (TYP)

STM-07
STA: 1+00 ~ 6+00

STM-08
STA: 1+00 ~ 1+50

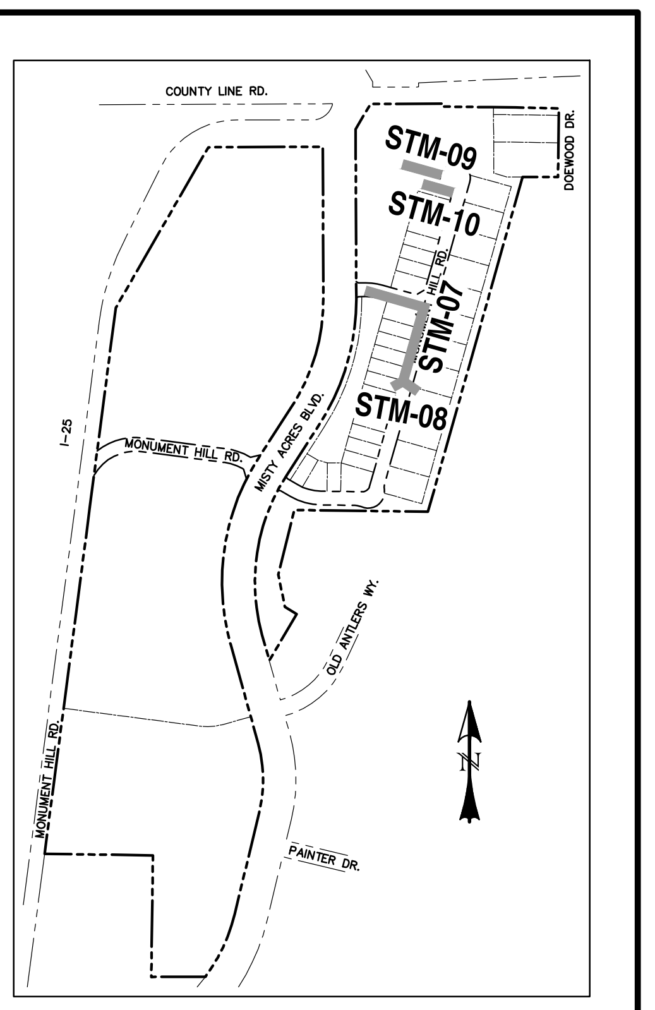
LINE TABLE – STM		
LINE	BEARING	DISTANCE
L15	S73° 56' 28"E	182.11
L16	S15° 46' 17"W	275.28
L17	S60° 46' 17"W	6.43
L18	S54° 52' 04"E	28.78
L19	S74° 21' 50"E	63.97
L20	S74° 13' 43"E	37.27

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


WETLANDS
(E) 8" PVC SAN SWR (TYP)
(E) 8" PVC SAN SWR FORCE MAIN (TYP)
WOODMOOR WATER & SANITATION DISTRICT NO. 1
N
(P) SOIL RIPRAP (TYP)
(P) 78" RCP [STM-11]
STA: 1+42.85 (P) RET. WALL XING
STA: 1+14.15 (E) 8" SAN FORCE MAIN XING
1+00
L19
STA: 1+00.00 BEGIN 18" FES
STA: 1+06.08 END 18" FES BEGIN 18" RCP
STA: 1+18.05 (E) 8" SAN XING
STA: 1+70.05 INSIDE FACE OF BOX END (P) 18" RCP
(P) TRICKLE CHANNEL
POND 5
(P) 6" PVC UD (TYP)
STA: 1+06.84 BEGIN 24" RCP
1+00
L20
STA: 1+44.11 INSIDE FACE OF BOX END (P) 24" RCP • (P) 16' D-10-R SUMP INLET
(P) FOREBAY
(P) OUTFALL STRUCTURE
(P) C&G (TYP)
(P) TOP OF POND (TYP)
STA: 1+55.35 (E) 8" SAN FORCE MAIN XING
(P) UT ESMT
(P) FH (TYP)
ROW (TYP)
(P) 8" PVC SAN SWR FORCE MAIN (TYP)
(P) 8" PVC SAN SWR (TYP)
(P) 8" PVC WTR MAIN (TYP)
MONUMENT HILL RD.
(E) UT ESMT
(P) RET. WALL
(P) UT ESMT

STM-09
STA: 1+00 ~ 1+75

STM-10
STA: 1+00 ~ 1+75


COUNTY LINE RD.
DOEWOOD DR.
STM-09
STM-10
STM-07
STM-08
HILL RD.
I-25
MONUMENT HILL RD.
MISTY ACRES BLVD.
OLD ANTLERS WY.
N
MONUMENT HILL RD.
PAINTER DR.

LOCATION MAP
SCALE: N.T.S.

NOTE:
1. WATER TIGHT SEAL IS REQUIRED WHEN THE 100-YEAR HGL IS OUTSIDE OF THE PIPES.

NOTE: REFER TO SWMM MODEL FOR STORM PIPE HYDRAULICS RESULTS.

7300
7290
7280
7270
7260
7250
7240
(P) CDOT TYPE II STM MH [4' ø] RIM = 7273.29 (FLAT TOP)
1.02'
STA: 1+18.83 (E) 8" SAN FORCE MAIN XING BOP (STM) = 7267.93 TOP (SFM) = 7259.49 CLR = 8.4'
(P) CDOT TYPE II STM MH [4' ø] RIM = 7278.30 (FLAT TOP)
(E) GRADE (TYP)
(P) GRADE (TYP)
HGLs
(P) CDOT TYPE II STM MH [4' ø] RIM = 7282.98 (FLAT TOP)
182.61 LF OF 30" RCP @ 2.34%
273.78 LF OF 30" RCP @ 1.71%
STA: 2+88.61 INSIDE FACE OF MH BEGIN 30" RCP INV = 7272.34
STA: 5+62.39 INSIDE FACE OF MH END 30" RCP INV = 7277.02
STA: 5+64.39 (P) 24" RCP [STM-08] INV IN = 7277.52 • (P) 24" RCP [STM-08] INV IN = 7277.52
STA: 1+00.00 (P) 18" RCP [STM-06] INV IN = 7268.83 • (P) 36" RCP [STM-06] INV OUT = 7267.58
STA: 2+84.61 INSIDE FACE OF MH END 30" RCP INV = 7272.09
STA: 1+60.15 (E) 8" SAN FORCE MAIN XING BOP (STM) = 7268.89 TOP (SFM) = 7264.53 CLR = 4.4'
STA: 1+02.00 INSIDE FACE OF MH BEGIN 30" RCP INV = 7267.83
STA: 1+23.83 (E) 8" SAN XING BOP (STM) = 7268.05 TOP (SAN) = 7259.49 CLR = 8.6'
STM-07
1+00
2+00
3+00
4+00
5+00
6+00
(P) CDOT TYPE II STM MH [4' ø] RIM = 7282.98 (FLAT TOP)
6.43 LF OF 24" RCP @ 8.58%
28.78 LF OF 24" RCP @ 6.27%
(P) 12' D-10-R AT-GRADE INLET TOB [SW] = 7283.65 THT [SW] = 7282.65 TOB [NE] = 7283.49 THT [NE] = 7282.49
(P) 12' D-10-R AT-GRADE INLET TOB [SW] = 7283.69 THT [SW] = 7282.69 TOB [NE] = 7283.47 THT [NE] = 7282.47
(P) GRADE (TYP)
(E) GRADE (TYP)
HGLs
STA: 1+39.21 INSIDE FACE OF BOX END 24" RCP INV = 7279.33
STA: 1+00.00 INSIDE FACE OF BOX BEGIN 24" RCP INV = 7278.07
STA: 1+32.32 (P) 8" WTR XING BOP (STM) = 7278.64 TOP (WTR) = 7275.64 CLR = 3.0'
STA: 1+06.43 INSIDE FACE OF MH END 24" RCP INV = 7277.52
STA: 1+20.66 (P) 8" SAN XING BOP (STM) = 7277.91 TOP (SAN) = 7271.04 CLR = 6.9'
STA: 5+64.39 (P) 30" RCP [STM-07] INV OUT = 7277.02
STA: 1+18.99 (P) 6" UD XING BOP (STM) = 7277.81 TOP (UD) = 7269.86 CLR = 7.9'
STA: 1+10.43 INSIDE FACE OF MH BEGIN 24" RCP INV = 7277.52
STM-08
1+00
2+00
(P) RET. WALL
(P) GRADE (TYP)
(P) OUTFALL STRUCTURE
STA: 1+06.08 END 18" FES BEGIN 18" RCP INV = 7263.29
63.97 LF OF 18" RCP @ 5.53%
STA: 1+00.00 BEGIN 18" FES INV = 7262.96
HGLs
(E) GRADE (TYP)
STA: 1+70.05 INSIDE FACE OF BOX END 18" RCP INV = 7266.83
6" CDOT CLASS VI ROAD BASE OVER MIRAFI FW700 OR APPROVED EQUAL
(P) 9.0'x4.0' D50 = 6" DIA. TYPE 'VL' RIPRAP PAD [12" THICK]
STA: 1+55.35 (P) 8" SAN FORCE MAIN XING BOP (STM) = 7265.81 TOP (SFM) = 7256.76 CLR = 19.1'
FILTER FABRIC TO EXTEND UPSTREAM OF FES (3' MIN)
STA: 1+18.05 (E) 8" SAN XING BOP (STM) = 7263.75 TOP (SAN) = 7253.03 CLR = 10.7'
STA: 1+14.05 (E) 8" SAN FORCE MAIN XING BOP (STM) = 7263.53 TOP (SFM) = 7253.03 CLR = 10.5'
STM-09
1+00
2+00
STA: 1+05.50 FOREBAY INV = 7270.11 BEGIN 24" RCP INV = 7271.11
(P) 16' D-10-R SUMP INLET TOB = 7276.37 THT = 7275.37
HGLs
(P) GRADE (TYP)
(P) FOREBAY
STA: 1+50.82 INSIDE FACE OF BOX END 24" RCP INV = 7272.70
(E) GRADE (TYP)
45.32 LF OF 24" RCP @ 3.52%
STM-10
1+00
2+00

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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

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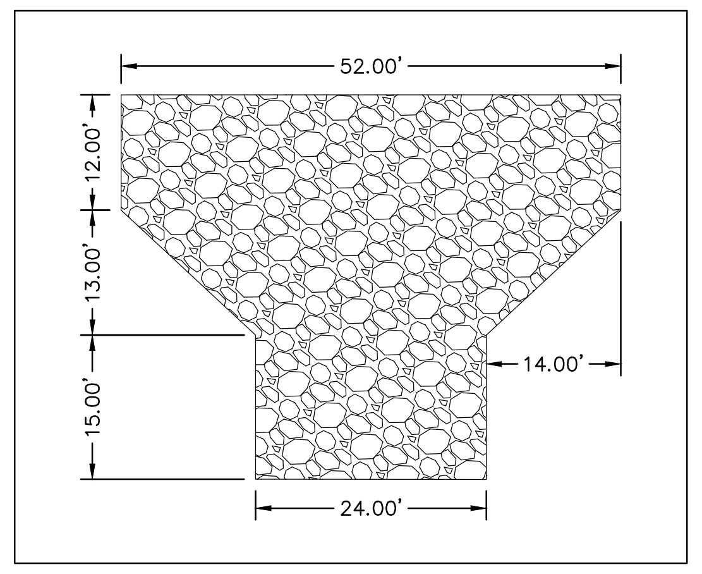
PRC ENGINEERING
1685 W. UINTAH STREET, SUITE 114
COLORADO SPRINGS, CO 80904
(719) 291-2744

MONUMENT RIDGE EAST
FILING NO. 1
STORM SEWER
PLAN & PROFILES

DESIGNED BY: MGP
DRAWN BY: MGP
SCALE: 1" = 50'
DATE: 04/08/25
JOB NUMBER: 24-001
SHEET: 21 OF 29

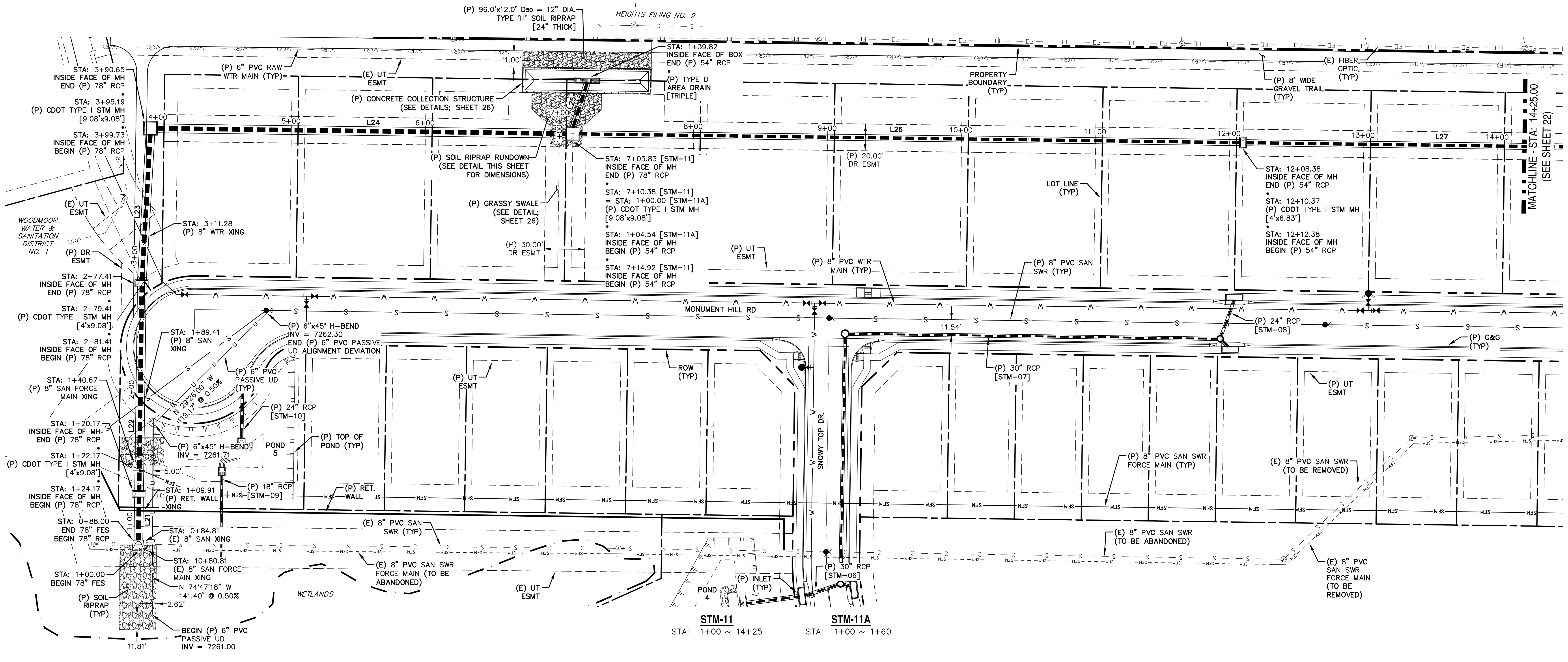

52.00'
12.00'
13.00'
15.00'
14.00'
24.00'

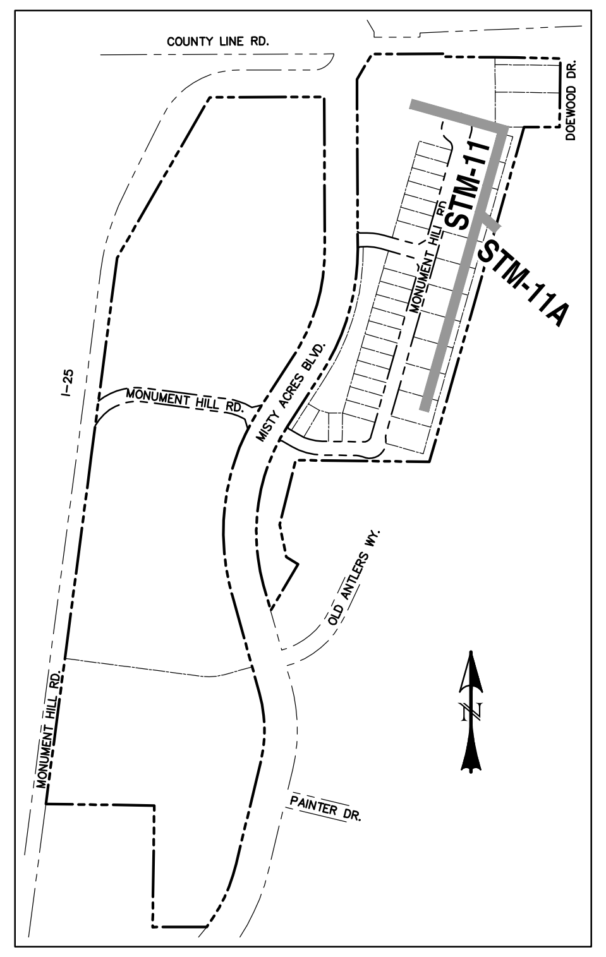
SOIL RIPRAP RUNDOWN DIMENSION DETAIL

SCALE: 1" = 20'

NOTE:

1. WATER TIGHT SEAL IS REQUIRED WHEN THE 100-YEAR HGL IS OUTSIDE OF THE PIPES.


HEIGHTS FILING NO. 2
(P) 96.0'x12.0' D50 = 12" DIA. TYPE 'H' SOIL RIPRAP [24" THICK]
STA: 1+39.82 INSIDE FACE OF BOX END (P) 54" RCP
(P) 6" PVC RAW WTR MAIN (TYP)
(E) UT ESMT
(P) CONCRETE COLLECTION STRUCTURE (SEE DETAILS; SHEET 26)
(P) TYPE D AREA DRAIN [TRIPLE]
(P) SOIL RIPRAP RUNDOWN (SEE DETAIL THIS SHEET FOR DIMENSIONS)
(P) GRASSY SWALE (SEE DETAIL; SHEET 26)
(P) 30.00' DR ESMT
STA: 7+05.83 [STM-11] INSIDE FACE OF MH END (P) 78" RCP
STA: 7+10.38 [STM-11] = STA: 1+00.00 [STM-11A] (P) CDOT TYPE I STM MH [9.08'x9.08']
STA: 1+04.54 [STM-11A] INSIDE FACE OF MH BEGIN (P) 54" RCP
STA: 7+14.92 [STM-11] INSIDE FACE OF MH BEGIN (P) 54" RCP
PROPERTY BOUNDARY (TYP)
(P) 8' WIDE GRAVEL TRAIL (TYP)
(E) FIBER OPTIC (TYP)
(P) 20.00' DR ESMT
LOT LINE (TYP)
STA: 12+08.38 INSIDE FACE OF MH END (P) 54" RCP
STA: 12+10.37 (P) CDOT TYPE I STM MH [4'x6.83']
STA: 12+12.38 INSIDE FACE OF MH BEGIN (P) 54" RCP
MATCHLINE - STA: 14+25.00 (SEE SHEET 22)
L21 L22 L23 L24 L26 L27
STA: 3+90.65 INSIDE FACE OF MH END (P) 78" RCP
STA: 3+95.19 (P) CDOT TYPE I STM MH [9.08'x9.08']
STA: 3+99.73 INSIDE FACE OF MH BEGIN (P) 78" RCP
(E) UT ESMT
WOODMOOR WATER & SANITATION DISTRICT NO. 1
(P) DR ESMT
STA: 3+11.28 (P) 8" WTR XING
STA: 2+77.41 INSIDE FACE OF MH END (P) 78" RCP
STA: 2+79.41 (P) CDOT TYPE I STM MH [4'x9.08']
STA: 2+81.41 INSIDE FACE OF MH BEGIN (P) 78" RCP
STA: 1+40.67 (P) 8" SAN FORCE MAIN XING
STA: 1+20.17 INSIDE FACE OF MH END (P) 78" RCP
STA: 1+22.17 (P) CDOT TYPE I STM MH [4'x9.08']
STA: 1+24.17 INSIDE FACE OF MH BEGIN (P) 78" RCP
STA: 0+88.00 END 78" FES BEGIN 78" RCP
STA: 1+00.00 BEGIN 78" FES
(P) SOIL RIPRAP (TYP)
STA: 1+89.41 (P) 8" SAN XING
(P) 6"x45° H-BEND INV = 7262.30 END (P) 6" PVC PASSIVE UD ALIGNMENT DEVIATION
(P) 6" PVC PASSIVE UD (TYP)
(P) 24" RCP [STM-10]
(P) 6"x45° H-BEND INV = 7261.71
POND 5
(P) TOP OF POND (TYP)
(P) 18" RCP [STM-09]
STA: 1+09.91 (P) RET. WALL XING
(P) RET. WALL
STA: 0+84.81 (E) 8" SAN XING
STA: 10+80.81 (E) 8" SAN FORCE MAIN XING
N 74°47'18" W 141.40' @ 0.50%
BEGIN (P) 6" PVC PASSIVE UD INV = 7261.00
WETLANDS
(E) 8" PVC SAN SWR (TYP)
(E) 8" PVC SAN SWR FORCE MAIN (TO BE ABANDONED)
(E) UT ESMT
MONUMENT HILL RD.
SNOWY TOP DR.
(P) UT ESMT
ROW (TYP)
(P) 8" PVC WTR MAIN (TYP)
(P) 8" PVC SAN SWR (TYP)
(P) 24" RCP [STM-08]
(P) C&G (TYP)
(P) 30" RCP [STM-07]
(P) UT ESMT
(P) 8" PVC SAN SWR FORCE MAIN (TYP)
(E) 8" PVC SAN SWR (TO BE REMOVED)
(E) 8" PVC SAN SWR (TO BE ABANDONED)
(E) 8" PVC SAN SWR FORCE MAIN (TO BE REMOVED)
POND 4
(P) INLET (TYP)
(P) 30" RCP [STM-06]
STM-11 STA: 1+00 ~ 14+25
STM-11A STA: 1+00 ~ 1+60


COUNTY LINE RD.
STM-11
STM-11A

LOCATION MAP

SCALE: N.T.S.

LINE TABLE – STM		
LINE	BEARING	DISTANCE
L21	S74° 13' 43"E	32.17
L22	S74° 13' 43"E	153.25
L23	S71° 42' 08"E	109.24
L24	S15° 45' 19"W	306.10
L25	S57° 23' 43"E	35.27
L26	S15° 45' 21"W	493.46
L27	S15° 45' 22"W	400.41

0 50 100

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

NOTE: THE TRUE HGL FOR ALL PIPE SYSTEMS BETWEEN THE PONDS HAS BEEN MODELED IN SWMM. THERE IS NO ONE FLOW VALUE TO USE AS IT DYNAMICALLY CHANGES OVER THE RAINFALL PERIOD. HOWEVER, IN ORDER TO ELIMINATE THIS COMMENT AND OTHER SIMILAR COMMENTS, WE ARE MAKING THE CHANGE AS REQUESTED BASED ON THE RATIONAL PEAK FLOW RATES" (SHOWN BELOW).

NOTE: REFER TO SWMM MODEL FOR STORM PIPE HYDRAULICS RESULTS.

① STA: 0+80.81
(E) 8" SAN FORCE MAIN XING
BOR (RIPRAP) = 7259.28
TOP (SFM) = 7252.90
CLR = 6.4'

② STA: 0+84.81
(E) 8" SAN XING
BOP (SAN) = 7262.17
TOP (SFM) = 7252.90
CLR = 9.3'

③ STA: 1+24.17
INSIDE FACE OF MH
BEGIN 78" RCP
INV = 7263.22

7300
7290
7280
7270
7260
7250
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
1+00
2+00
(P) CDOT TYPE I STM MH [4'x9.08'] RIM = 7276.34 (FLAT TOP)
STA: 1+40.67 (P) 8" SAN FORCE MAIN XING BOP (STM) = 7262.68 TOP (SFM) = 7255.66 CLR = 7.0'
(P) RET. WALL
32.17 LF OF 78" RCP @ 0.50%
STA: 0+88.00 END 78" FES BEGIN 78" RCP INV = 7262.81
STA: 0+80.00 BEGIN 78" FES INV = 7262.77
(P) 63.0'x27.0' D50 = 18" DIA. TYPE 'H' SOIL RIPRAP [36" THICK]
6" CDOT CLASS VI ROAD BASE OVER MIRAFI FW700 OR APPROVED EQUAL
FILTER FABRIC TO EXTEND UPSTREAM OF FES (3' MIN)
STA: 1+20.17 INSIDE FACE OF MH END 78" RCP INV = 7262.97
STA: 1+89.41 (P) 8" SAN XING BOP (STM) = 7262.92 TOP (SAN) = 7255.74 CLR = 7.2'
153.24 LF OF 78" RCP @ 0.50%
STA: 2+77.41 INSIDE FACE OF MH END 78" RCP INV = 7263.99
STA: 2+81.41 INSIDE FACE OF MH BEGIN 78" RCP INV = 7264.99
(P) CDOT TYPE I STM MH [4'x9.08'] RIM = 7277.86 (FLAT TOP)
STA: 3+11.28 (P) 8" WTR XING BOP (STM) = 7264.68 TOP (WTR) = 7261.38 CLR = 3.0'
109.24 LF OF 78" RCP @ 1.07%
(P) CDOT TYPE I STM MH [9.08'x9.08'] RIM = 7279.59 (FLAT TOP)
STA: 3+99.73 INSIDE FACE OF MH BEGIN 78" RCP INV = 7266.41
STA: 3+90.64 INSIDE FACE OF MH END 78" RCP INV = 7266.16
(E) GRADE (TYP)
306.10 LF OF 78" RCP @ 0.50%
(P) CDOT TYPE I STM MH [9.08'x9.08'] RIM = 7280.76 (FLAT TOP)
STA: 7+05.83 INSIDE FACE OF MH END 78" RCP INV = 7267.94
STA: 7+14.92 INSIDE FACE OF MH BEGIN 54" RCP INV = 7269.94
STA: 7+10.38 (P) 54" RCP [STM-11B] INV IN = 7269.94
493.46 LF OF 54" RCP @ 1.33%
(P) GRADE (TYP)
(P) CDOT TYPE I STM MH [4'x6.83'] RIM = 7285.88 (FLAT TOP)
STA: 12+08.38 INSIDE FACE OF MH END 54" RCP INV = 7276.49
STA: 12+12.38 INSIDE FACE OF MH BEGIN 54" RCP INV = 7276.74
HGLs
399.01 LF OF 54" RCP @ 1.27%
MATCHLINE - STA: 14+25.00 (SEE SHEET 22)
STM-11
(P) SOIL RIPRAP RUNDOWN D50 = 12" DIA. TYPE 'M' [24" THICK] (SEE DETAIL THIS SHEET FOR DIMENSIONS)
(P) CONCRETE CONTAINMENT STRUCTURE (SEE DETAILS; SHEET 27)
(P) CDOT TYPE I STM MH [9.08'x9.08'] RIM = 7280.76 (FLAT TOP w/ SELF-SEALING BOLT-DOWN LID)
(P) 96.0'x12.0' D50 = 12" DIA. TYPE 'M' SOIL RIPRAP [24" THICK]
(P) GRADE (TYP)
(P) TOE WALL
(P) TYPE D AREA DRAIN [TRIPLE] TOG = 7279.00
(E) GRADE (TYP)
STA: 1+39.82 INSIDE FACE OF BOX END 54" RCP INV = 7270.50
35.27 LF OF 54" RCP @ 1.60%
STA: 1+00.00 (P) 54" RCP [STM-11B] INV IN = 7269.94 (P) 78" RCP INV OUT = 7267.94
STA: 1+04.54 INSIDE FACE OF MH BEGIN 54" RCP INV = 7269.94
STM-11A

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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MONUMENT RIDGE EAST, LLC

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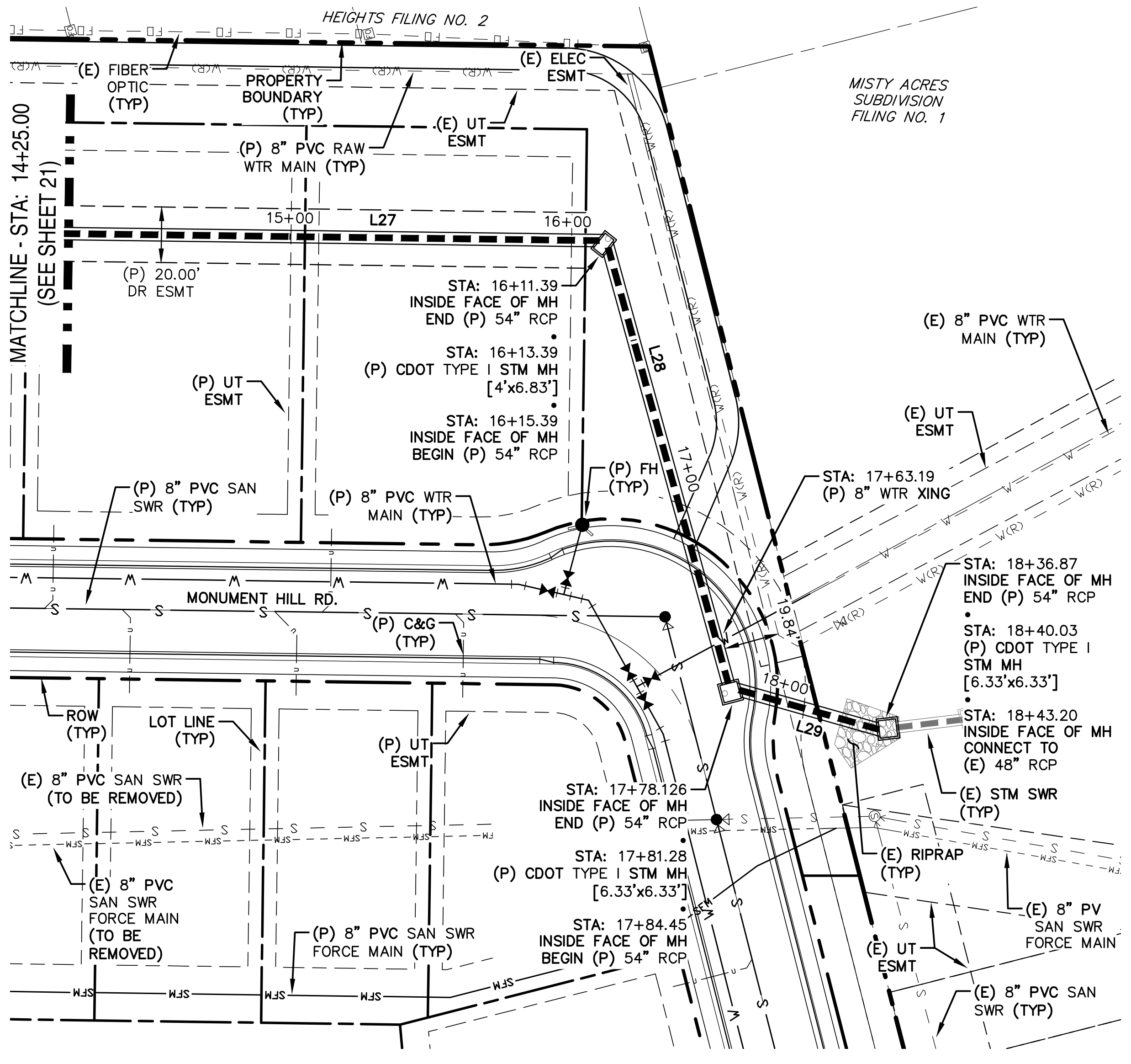
NOT FOR CONSTRUCTION

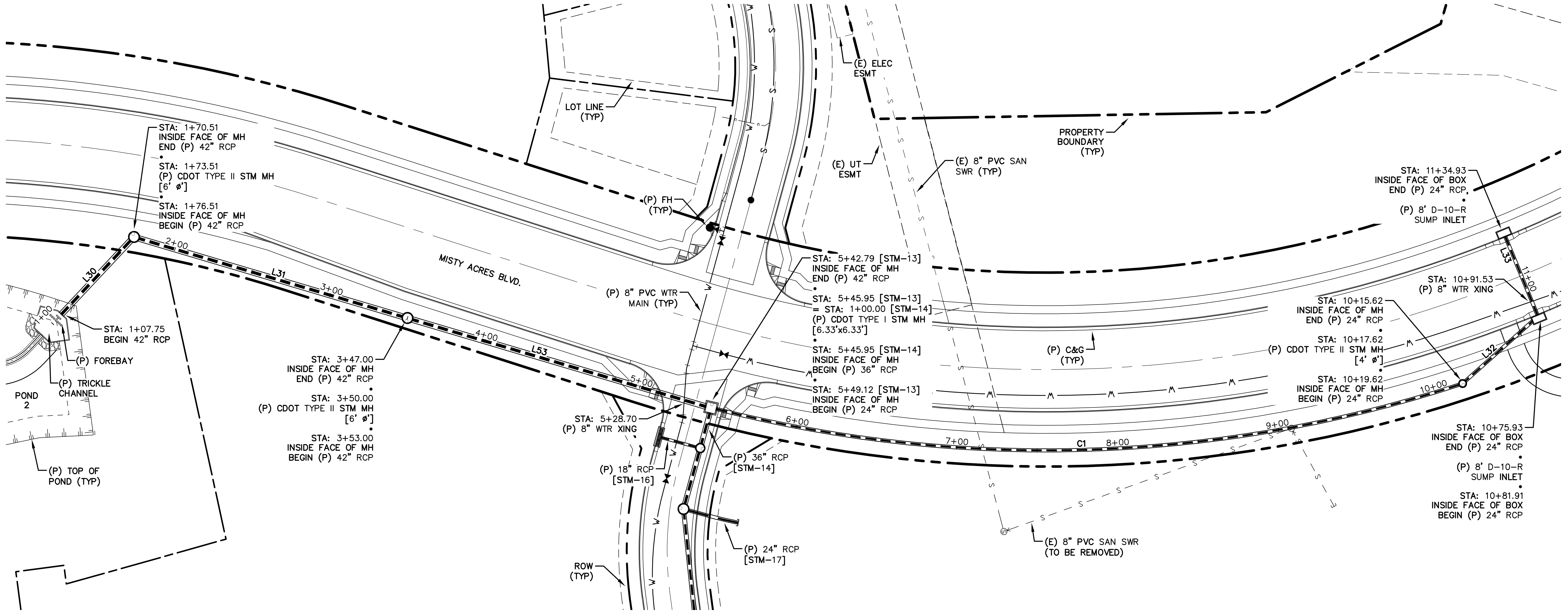
PRC ENGINEERING
1685 W. UINTAH STREET, SUITE 114
COLORADO SPRINGS, CO 80904
(719) 291-2744

MONUMENT RIDGE EAST
FILING NO. 1
STORM SEWER
PLAN & PROFILES

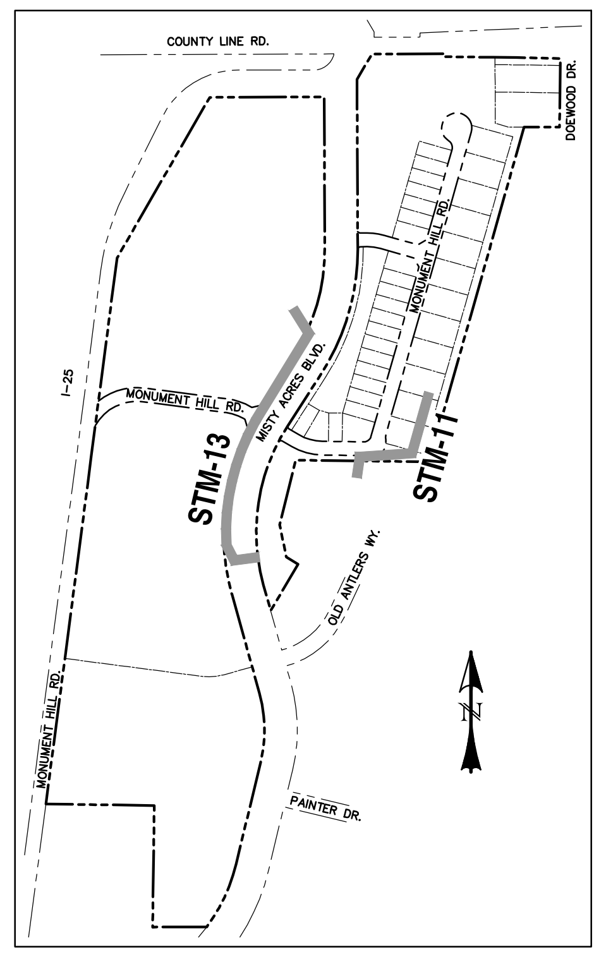
DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 50'	DATE: 04/08/25
JOB NUMBER	SHEET
24-001	22 OF 29


HEIGHTS FILING NO. 2
MISTY ACRES SUBDIVISION FILING NO. 1
(E) FIBER OPTIC (TYP)
PROPERTY BOUNDARY (TYP)
(E) ELEC ESMT
(E) UT ESMT
(P) 8" PVC RAW WTR MAIN (TYP)
MATCHLINE - STA: 14+25.00 (SEE SHEET 21)
(P) 20.00' DR ESMT
L27
15+00
16+00
STA: 16+11.39 INSIDE FACE OF MH END (P) 54" RCP
STA: 16+13.39 (P) CDOT TYPE I STM MH [4'x6.83']
STA: 16+15.39 INSIDE FACE OF MH BEGIN (P) 54" RCP
L28
(P) UT ESMT
(E) 8" PVC WTR MAIN (TYP)
(E) UT ESMT
(P) 8" PVC SAN SWR (TYP)
(P) 8" PVC WTR MAIN (TYP)
(P) FH (TYP)
STA: 17+63.19 (P) 8" WTR XING
MONUMENT HILL RD.
(P) C&G (TYP)
STA: 18+36.87 INSIDE FACE OF MH END (P) 54" RCP
STA: 18+40.03 (P) CDOT TYPE I STM MH [6.33'x6.33']
STA: 18+43.20 INSIDE FACE OF MH CONNECT TO (E) 48" RCP
ROW (TYP)
LOT LINE (TYP)
(P) UT ESMT
(E) 8" PVC SAN SWR (TO BE REMOVED)
(E) 8" PVC SAN SWR FORCE MAIN (TO BE REMOVED)
STA: 17+78.126 INSIDE FACE OF MH END (P) 54" RCP
STA: 17+81.28 (P) CDOT TYPE I STM MH [6.33'x6.33']
STA: 17+84.45 INSIDE FACE OF MH BEGIN (P) 54" RCP
(P) 8" PVC SAN SWR FORCE MAIN (TYP)
L29
18+00
(E) STM SWR
(E) RIPRAP (TYP)
(E) 8" PV SAN SWR FORCE MAIN
(E) UT ESMT
(E) 8" PVC SAN SWR (TYP)

STM-11
STA: 14+25 ~ 18+60


N
STA: 1+70.51 INSIDE FACE OF MH END (P) 42" RCP
STA: 1+73.51 (P) CDOT TYPE II STM MH [6' ø]
STA: 1+76.51 INSIDE FACE OF MH BEGIN (P) 42" RCP
L30
2+00
L31
3+00
4+00
L53
5+00
6+00
7+00
C1
8+00
9+00
10+00
L32
L33
11+00
STA: 1+07.75 BEGIN 42" RCP
(P) FOREBAY
(P) TRICKLE CHANNEL
POND 2
(P) TOP OF POND (TYP)
STA: 3+47.00 INSIDE FACE OF MH END (P) 42" RCP
STA: 3+50.00 (P) CDOT TYPE II STM MH [6' ø]
STA: 3+53.00 INSIDE FACE OF MH BEGIN (P) 42" RCP
MISTY ACRES BLVD.
LOT LINE (TYP)
(E) ELEC ESMT
(E) UT ESMT
(E) 8" PVC SAN SWR (TYP)
PROPERTY BOUNDARY (TYP)
(P) FH (TYP)
(P) 8" PVC WTR MAIN (TYP)
STA: 5+42.79 [STM-13] INSIDE FACE OF MH END (P) 42" RCP
STA: 5+45.95 [STM-13] = STA: 1+00.00 [STM-14] (P) CDOT TYPE I STM MH [6.33'x6.33']
STA: 5+45.95 [STM-14] INSIDE FACE OF MH BEGIN (P) 36" RCP
STA: 5+49.12 [STM-13] INSIDE FACE OF MH BEGIN (P) 24" RCP
STA: 5+28.70 (P) 8" WTR XING
(P) 18" RCP [STM-16]
(P) 36" RCP [STM-14]
(P) 24" RCP [STM-17]
ROW (TYP)
(P) C&G (TYP)
STA: 11+34.93 INSIDE FACE OF BOX END (P) 24" RCP
(P) 8' D-10-R SUMP INLET
STA: 10+91.53 (P) 8" WTR XING
STA: 10+15.62 INSIDE FACE OF MH END (P) 24" RCP
STA: 10+17.62 (P) CDOT TYPE II STM MH [4' ø]
STA: 10+19.62 INSIDE FACE OF MH BEGIN (P) 24" RCP
STA: 10+75.93 INSIDE FACE OF BOX END (P) 24" RCP
(P) 8' D-10-R SUMP INLET
STA: 10+81.91 INSIDE FACE OF BOX BEGIN (P) 24" RCP
(E) 8" PVC SAN SWR (TO BE REMOVED)

STM-13
STA: 1+00 ~ 1+60


COUNTY LINE RD.
I-25
STM-13
STM-11
N

LOCATION MAP
SCALE: N.T.S.

LINE TABLE – STM		
LINE	BEARING	DISTANCE
L27	S15° 45' 22"W	399.01
L28	S89° 34' 41"W	162.73
L29	S30° 48' 32"W	52.42
L30	S31° 48' 01"E	62.76
L31	S31° 30' 33"W	170.49
L32	S26° 44' 44"E	56.31
L33	N82° 41' 18"E	53.01
L53	S31° 30' 33"W	189.79

CURVE TABLE – STM			
CURVE	DELTA	RADIUS	LENGTH
C1	32°23'54"	825.00	466.50

NOTE:

1. WATER TIGHT SEAL IS REQUIRED WHEN THE 100-YEAR HGL IS OUTSIDE OF THE PIPES.

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

NOTE: REFER TO SWMM MODEL FOR STORM PIPE HYDRAULICS RESULTS.

7310
7300
7290
7280
7270
7260
MATCHLINE - STA: 14+25.00 (SEE SHEET 21)
(E) GRADE (TYP)
(P) GRADE (TYP)
(P) CDOT TYPE I STM MH [4'x6.83'] RIM = 7294.00
(P) CDOT TYPE I STM MH [6.33'x6.33'] RIM = 7291.62 (FLAT TOP)
52.42 LF OF 54" RCP @ 1.00%
(P) CDOT TYPE I STM MH [6.33'x6.33'] RIM = 7296.70 (FLAT TOP)
399.01 LF OF 54" RCP @ 1.27%
STA: 16+11.39 INSIDE FACE OF MH END 54" RCP INV = 7281.82
STA: 16+15.39 INSIDE FACE OF MH BEGIN 54" RCP INV = 7282.07
162.73 LF OF 54" RCP @ 0.96%
STA: 17+63.19 (P) 8" WTR XING BOP (STM) = 7282.96 TOP (WTR) = 7279.96 CLR = 3.0'
STA: 17+78.12 INSIDE FACE OF MH END 54" RCP INV = 7283.63
STA: 17+84.45 INSIDE FACE OF MH BEGIN 54" RCP INV = 7283.88
STA: 18+43.20 INSIDE FACE OF MH CONNECT TO (E) 48" RCP INV = 7288.62
STA: 18+36.87 INSIDE FACE OF MH END 54" RCP INV = 7284.40
STM-11
15+00
16+00
17+00
18+00
(P) CDOT TYPE II STM MH [6' ø] RIM = 7288.85
STA: 1+07.75 FOREBAY INV = 7274.82 BEGIN 42" RCP INV = 7275.82
62.76 LF OF 42" RCP @ 1.50%
(P) FOREBAY
STA: 1+76.51 INSIDE FACE OF MH BEGIN 42" RCP INV = 7281.97
STA: 1+70.51 INSIDE FACE OF MH END 42" RCP INV = 7276.76
HGLs
170.49 LF OF 42" RCP @ 2.70%
(P) CDOT TYPE II STM MH [6' ø] RIM = 7299.28
STA: 3+53.00 INSIDE FACE OF MH BEGIN 42" RCP INV = 7292.61
STA: 3+47.00 INSIDE FACE OF MH END 42" RCP INV = 7286.57
189.79 LF OF 42" RCP @ 2.48%
(P) CDOT TYPE I STM MH [6.33'x6.33'] RIM = 7304.20 (FLAT TOP)
STA: 5+28.70 (P) 8" WTR XING BOP (STM) = 7296.58 TOP (WTR) = 7293.58 CLR = 3.0'
STA: 5+49.12 INSIDE FACE OF MH BEGIN 24" RCP INV = 7299.16
STA: 5+45.95 (P) 36" RCP [STM-14] INV IN = 7298.16
STA: 5+42.79 INSIDE FACE OF MH END 42" RCP INV = 7297.32
466.50 LF OF 24" RCP @ 1.28%
(P) CDOT TYPE II STM MH [4' ø] RIM = 7312.04
(P) 8' D-10-R SUMP INLET TOB = 7311.46 THT = 7310.46
53.00 LF OF 24" RCP @ 1.00%
(P) 8' D-10-R SUMP INLET TOB = 7311.46 THT = 7310.46
STA: 10+15.62 INSIDE FACE OF MH END 24" RCP INV = 7305.11
STA: 10+19.62 INSIDE FACE OF MH BEGIN 24" RCP INV = 7305.36
STA: 10+75.93 INSIDE FACE OF BOX END 24" RCP INV = 7305.93
STA: 10+81.93 INSIDE FACE OF BOX BEGIN 24" RCP INV = 7306.18
STA: 10+91.53 (P) 8" WTR XING BOP (STM) = 7306.02 TOP (WTR) = 7303.02 CLR = 3.0'
STA: 11+34.93 INSIDE FACE OF BOX END 24" RCP INV = 7306.71
STM-13
1+00
2+00
3+00
4+00
5+00
6+00
7+00
8+00
9+00
10+00
11+00

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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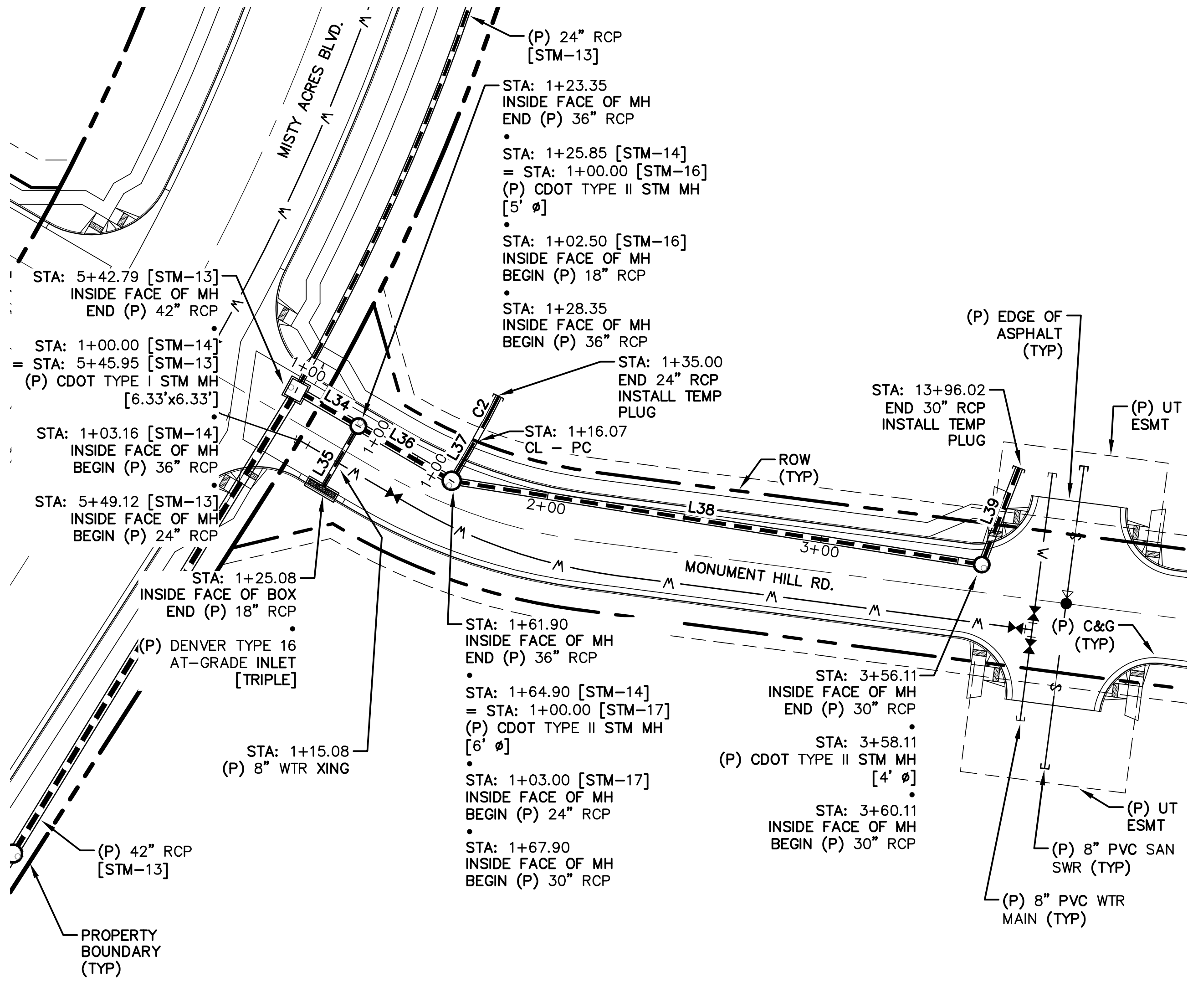
MONUMENT RIDGE EAST
FILING NO. 1
STORM SEWER
PLAN & PROFILES

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 50'	DATE: 04/08/25
JOB NUMBER	SHEET
24-001	23 OF 29


MISTY ACRES BLVD.
MONUMENT HILL RD.
(P) 24" RCP [STM-13]
STA: 1+23.35 INSIDE FACE OF MH END (P) 36" RCP
STA: 1+25.85 [STM-14] = STA: 1+00.00 [STM-16] (P) CDOT TYPE II STM MH [5' ø]
STA: 1+02.50 [STM-16] INSIDE FACE OF MH BEGIN (P) 18" RCP
STA: 1+28.35 INSIDE FACE OF MH BEGIN (P) 36" RCP
STA: 1+35.00 END 24" RCP INSTALL TEMP PLUG
STA: 1+16.07 CL – PC
STA: 5+42.79 [STM-13] INSIDE FACE OF MH END (P) 42" RCP
STA: 1+00.00 [STM-14] = STA: 5+45.95 [STM-13] (P) CDOT TYPE I STM MH [6.33'x6.33']
STA: 1+03.16 [STM-14] INSIDE FACE OF MH BEGIN (P) 36" RCP
STA: 5+49.12 [STM-13] INSIDE FACE OF MH BEGIN (P) 24" RCP
STA: 1+25.08 INSIDE FACE OF BOX END (P) 18" RCP
(P) DENVER TYPE 16 AT-GRADE INLET [TRIPLE]
STA: 1+15.08 (P) 8" WTR XING
(P) 42" RCP [STM-13]
PROPERTY BOUNDARY (TYP)
STA: 1+61.90 INSIDE FACE OF MH END (P) 36" RCP
STA: 1+64.90 [STM-14] = STA: 1+00.00 [STM-17] (P) CDOT TYPE II STM MH [6' ø]
STA: 1+03.00 [STM-17] INSIDE FACE OF MH BEGIN (P) 24" RCP
STA: 1+67.90 INSIDE FACE OF MH BEGIN (P) 30" RCP
ROW (TYP)
(P) EDGE OF ASPHALT (TYP)
STA: 13+96.02 END 30" RCP INSTALL TEMP PLUG
(P) UT ESMT
STA: 3+56.11 INSIDE FACE OF MH END (P) 30" RCP
STA: 3+58.11 (P) CDOT TYPE II STM MH [4' ø]
STA: 3+60.11 INSIDE FACE OF MH BEGIN (P) 30" RCP
(P) C&G (TYP)
(P) UT ESMT
(P) 8" PVC SAN SWR (TYP)
(P) 8" PVC WTR MAIN (TYP)
L34 L35 L36 L37 L38 L39 C2
2+00 3+00

STM-14
STA: 1+00 ~ 4+25

STM-16
STA: 1+00 ~ 1+40

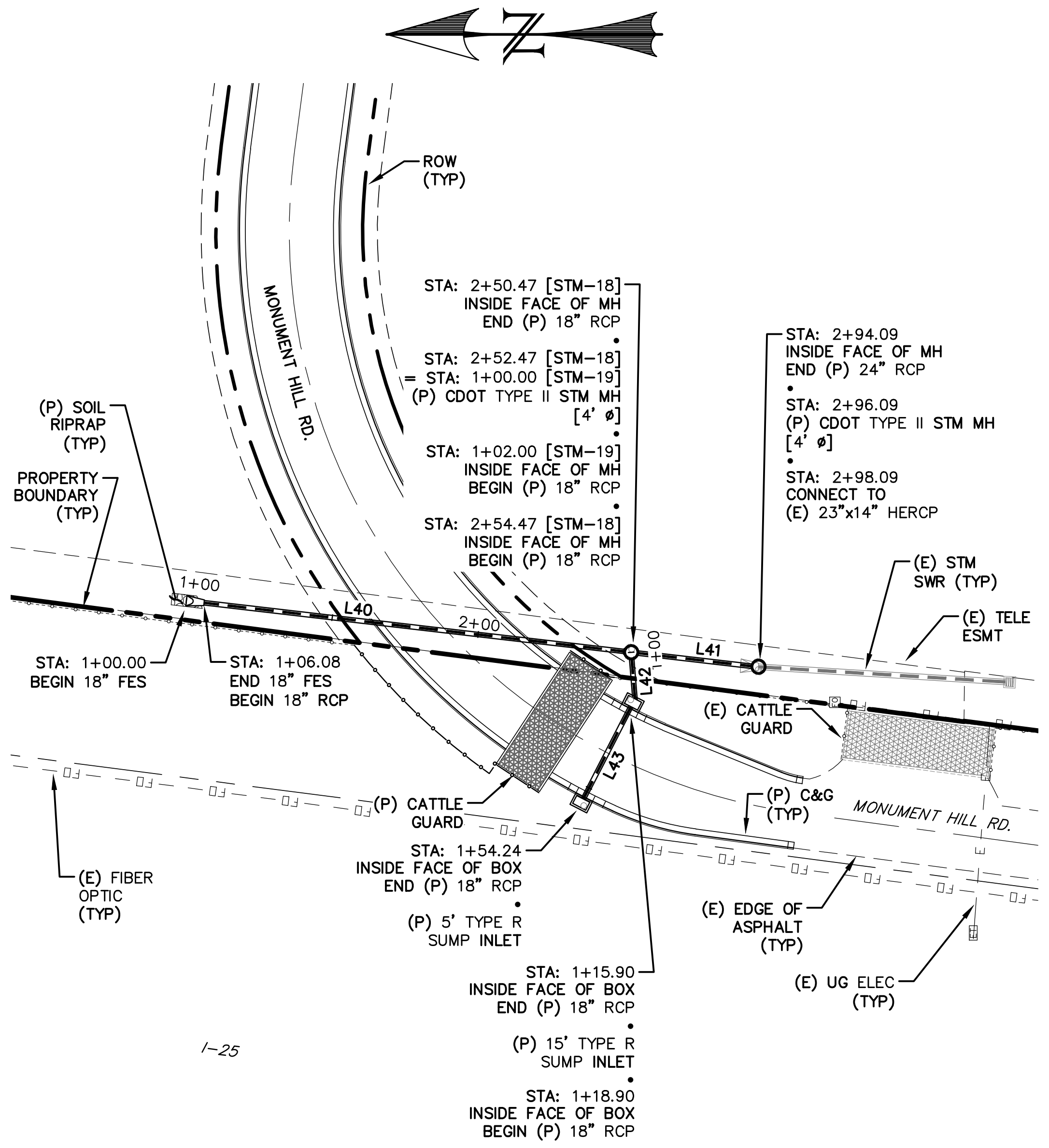
STM-17
STA: 1+00 ~ 1+40

LINE TABLE – STM		
LINE	BEARING	DISTANCE
L34	N59° 38' 45"W	20.19
L35	N30° 14' 24"E	22.58
L36	N59° 38' 45"W	33.55
L37	S30° 14' 24"W	13.07
L38	N81° 01' 25"W	188.21
L39	S21° 13' 45"W	34.91
L40	S6° 36' 29"W	144.39
L41	S6° 36' 29"W	39.62
L42	S85° 21' 29"W	13.90
L43	N62° 41' 11"W	35.34

CURVE TABLE – STM			
CURVE	DELTA	RADIUS	LENGTH
C2	4°10'15"	260.00	18.93

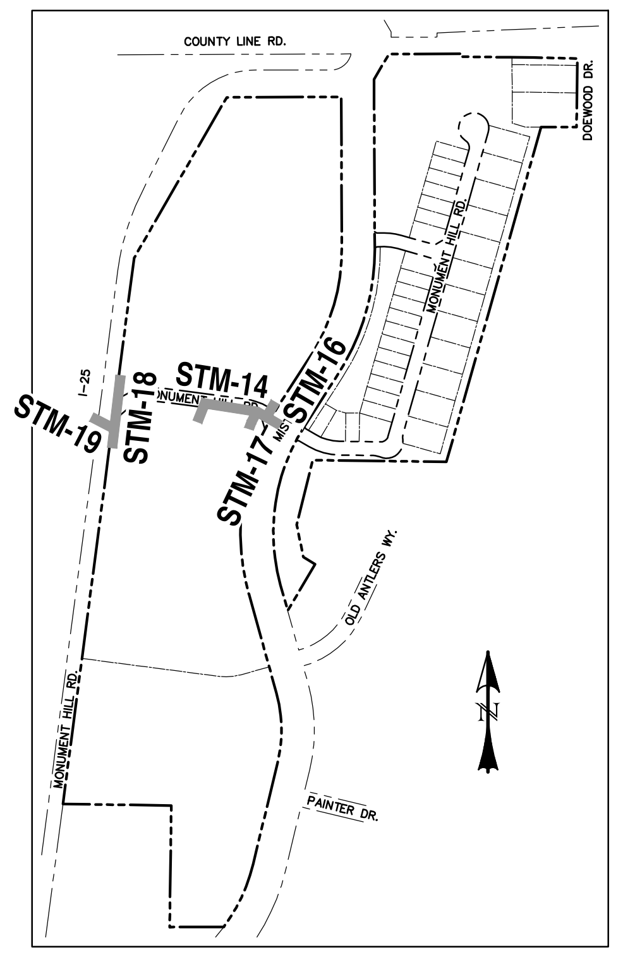
0 50 100

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


MONUMENT HILL RD.
ROW (TYP)
STA: 2+50.47 [STM-18] INSIDE FACE OF MH END (P) 18" RCP
STA: 2+52.47 [STM-18] = STA: 1+00.00 [STM-19] (P) CDOT TYPE II STM MH [4' ø]
STA: 1+02.00 [STM-19] INSIDE FACE OF MH BEGIN (P) 18" RCP
STA: 2+54.47 [STM-18] INSIDE FACE OF MH BEGIN (P) 18" RCP
STA: 2+94.09 INSIDE FACE OF MH END (P) 24" RCP
STA: 2+96.09 (P) CDOT TYPE II STM MH [4' ø]
STA: 2+98.09 CONNECT TO (E) 23"x14" HERCP
(E) STM SWR (TYP)
(E) TELE ESMT
(P) SOIL RIPRAP (TYP)
PROPERTY BOUNDARY (TYP)
STA: 1+00.00 BEGIN 18" FES
STA: 1+06.08 END 18" FES BEGIN 18" RCP
(E) CATTLE GUARD
(P) CATTLE GUARD
STA: 1+54.24 INSIDE FACE OF BOX END (P) 18" RCP
(P) 5' TYPE R SUMP INLET
STA: 1+15.90 INSIDE FACE OF BOX END (P) 18" RCP
(P) 15' TYPE R SUMP INLET
STA: 1+18.90 INSIDE FACE OF BOX BEGIN (P) 18" RCP
(P) C&G (TYP)
(E) EDGE OF ASPHALT (TYP)
(E) UG ELEC (TYP)
(E) FIBER OPTIC (TYP)
L40 L41 L42 L43
I-25
1+00 2+00

STM-18
STA: 1+00 ~ 3+25

STM-19
STA: 1+00 ~ 1+75


COUNTY LINE RD.
STM-19
STM-18
STM-14
STM-16
STM-17
I-25
FAWTER DR.

LOCATION MAP
SCALE: N.T.S.

NOTE:
1. WATER TIGHT SEAL IS REQUIRED WHEN THE 100-YEAR HGL IS OUTSIDE OF THE PIPES.

7330 7320 7310 7300 7290 7280
7340 7330 7320 7310 7300
① STA: 1+23.36 INSIDE FACE OF MH END 36" RCP INV = 7298.36
② STA: 1+25.86 (P) 18" RCP [STM-16] INV IN = 7300.11
③ STA: 1+28.36 INSIDE FACE OF MH BEGIN 36" RCP INV = 7298.61
(P) CDOT TYPE I STM MH [6.33'x6.33'] RIM = 7304.20 (FLAT TOP)
(P) CDOT TYPE II STM MH [5' ø] RIM = 7304.60 (FLAT TOP)
(P) CDOT TYPE II STM MH [6' ø] RIM = 7305.90
(P) GRADE (TYP)
(P) CDOT TYPE II STM MH [5' ø] RIM = 7305.90
(E) GRADE (TYP)
34.91 LF OF 30" RCP @ 1.29%
HGLs
188.21 LF OF 30" RCP @ 5.05%
STA: 3+96.02 END 30" RCP INSTALL TEMP PLUG INV = 7310.28
STA: 3+56.11 INSIDE FACE OF MH END 30" RCP INV = 7309.58
STA: 3+61.11 INSIDE FACE OF MH BEGIN 30" RCP INV = 7309.83
STA: 1+67.90 INSIDE FACE OF MH BEGIN 30" RCP INV = 7300.07
STA: 1+64.90 (P) 24" RCP [STM-17] INV IN = 7300.57
STA: 1+61.90 INSIDE FACE OF MH END 36" RCP INV = 7299.57
STA: 1+00.00 (P) 24" RCP [STM-13] INV IN = 7299.16
STA: 5+42.79 (P) 42" RCP [STM-13] INV OUT = 7297.66
STA: 1+03.16 INSIDE FACE OF MH BEGIN 36" RCP INV = 7298.16
35.54 LF OF 36" RCP @ 2.87%
20.20 LF OF 36" RCP @ 1.00%
STM-14
(P) CDOT TYPE II STM MH [5' ø] RIM = 7304.60 (FLAT TOP)
(P) DENVER TYPE 16 AT-GRADE INLET (TRIPLE) TOB [NW] = 7304.57 THT [NW] = 7303.90 TOB [SE] = 7304.23 THT [SE] = 7303.56
(E) GRADE (TYP)
(P) GRADE (TYP)
1.06'
HGLs
STA: 1+25.08 INSIDE FACE OF BOX END 18" RCP INV = 7300.73
STA: 1+00.00 (P) 36" RCP [STM-14] INV IN = 7298.61
STA: 1+00.00 (P) 36" RCP [STM-14] INV OUT = 7298.36
STA: 1+15.08 (P) 8" WTR XING BOP (STM) = 7300.24 TOP (WTR) = 7297.24 CLR = 3.0'
STA: 1+02.50 INSIDE FACE OF MH BEGIN 18" RCP INV = 7300.11
22.58 LF OF 18" RCP @ 2.74%
STM-16
(P) CDOT TYPE II STM MH [6' ø] RIM = 7305.90
(E) GRADE (TYP)
(P) GRADE (TYP)
HGLs
2.46'
STA: 1+35.00 END 24" RCP INSTALL TEMP PLUG INV = 7302.03
STA: 1+00.00 (P) 30" RCP [STM-14] INV IN = 7300.07
(P) 36" RCP [STM-14] INV OUT = 7299.57
32.00 LF OF 24" RCP @ 4.57%
STA: 1+03.00 INSIDE FACE OF MH BEGIN 24" RCP INV = 7300.57
STA: 1+16.07 CL – PC INV = 7301.17
STM-17
(P) CDOT TYPE II STM MH [4' ø] RIM = 7328.20
39.62 LF OF 18" RCP @ 4.62%
(P) CDOT TYPE II STM MH [4' ø] RIM = 7329.05 (FLAT TOP)
(P) GRADE (TYP)
144.39 LF OF 18" RCP @ 5.01%
HGLs
STA: 1+06.08 END 18" FES BEGIN 18" RCP INV = 7314.57
STA: 1+00.00 BEGIN 18" FES INV = 7314.27
(E) GRADE (TYP)
STA: 2+98.09 INSIDE FACE OF MH CONNECT TO (E) 23"x14" HERCP INV = 7325.17
STA: 2+94.09 INSIDE FACE OF MH END 18" RCP INV = 7324.677
FILTER FABRIC TO EXTEND UPSTREAM OF FES (3' MIN)
(P) 11.0'x4.0' D50 = 9" DIA. TYPE 'L' SOIL RIPRAP [18" THICK]
6" CDOT CLASS VI ROAD BASE OVER MIRAFI FW700 OR APPROVED EQUAL
STA: 2+50.47 INSIDE FACE OF MH END 18" RCP INV = 7321.84
STA: 2+54.47 INSIDE FACE OF MH BEGIN 18" RCP INV = 7322.84
STA: 2+52.47 (P) 18" RCP [STM-19] INV IN = 7322.84
STM-18
13.90 LF OF 18" RCP @ 2.00%
(P) 5' TYPE D SUMP INLET TOB = 7328.02 THT = 7327.27
(P) 5' TYPE D SUMP INLET TOB = 7328.02 THT = 7327.27
(P) CDOT TYPE II STM MH [4' ø] RIM = 7328.20
(P) GRADE (TYP)
HGLs
(E) GRADE (TYP)
STA: 1+54.24 INSIDE FACE OF BOX END 18" RCP INV = 7324.08
35.34 LF OF 18" RCP @ 2.00%
STA: 1+00.00 (P) 18" RCP [STM-18] INV IN = 7321.84
(P) 18" RCP [STM-18] INV OUT = 7322.84
STA: 1+02.00 INSIDE FACE OF MH BEGIN 18" RCP INV = 7322.84
STA: 1+18.90 INSIDE FACE OF BOX BEGIN 18" RCP INV = 7323.37
STA: 1+15.90 INSIDE FACE OF BOX END 18" RCP INV = 7323.12
STM-19
1+00 2+00 3+00 4+00 1+00 2+00 1+00 2+00 1+00 2+00 3+00 1+00 2+00

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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

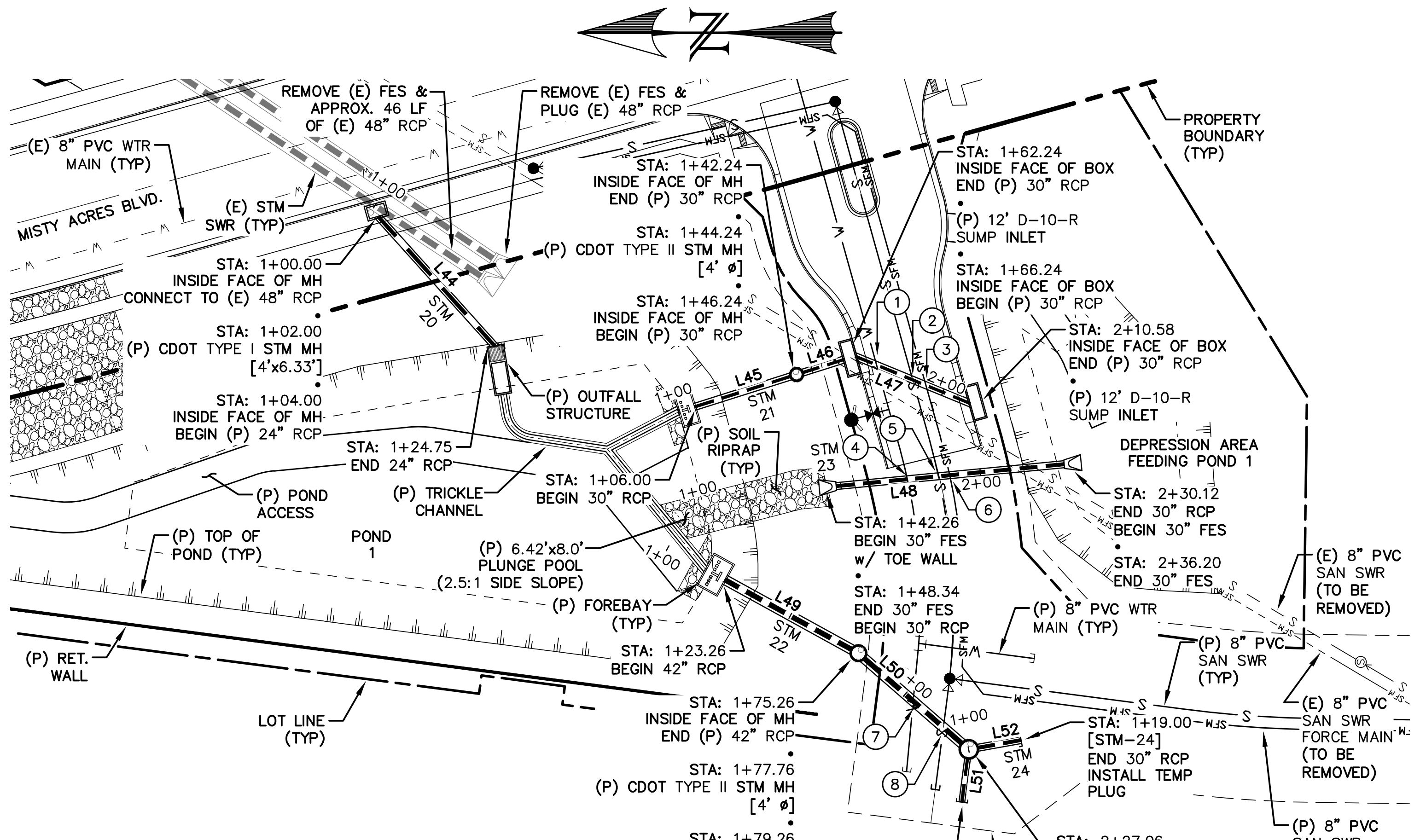
PREPARED FOR:
MONUMENT RIDGE EAST, LLC
5055 LIST DRIVE
COLORADO SPRINGS, CO 80919

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
STORM SEWER
PLAN & PROFILES

DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 50'	DATE: 04/08/25
JOB NUMBER	SHEET
24-001	24 OF 29


N
REMOVE (E) FES & APPROX. 46 LF OF (E) 48" RCP
REMOVE (E) FES & PLUG (E) 48" RCP
(E) 8" PVC WTR MAIN (TYP)
MISTY ACRES BLVD.
(E) STM SWR (TYP)
STA: 1+00.00 INSIDE FACE OF MH CONNECT TO (E) 48" RCP
STA: 1+02.00 (P) CDOT TYPE I STM MH [4'x6.33']
STA: 1+04.00 INSIDE FACE OF MH BEGIN (P) 24" RCP
STA: 1+24.75 END 24" RCP
(P) POND ACCESS
(P) TRICKLE CHANNEL
(P) OUTFALL STRUCTURE
STA: 1+06.00 BEGIN 30" RCP
(P) SOIL RIPRAP (TYP)
(P) TOP OF POND (TYP)
POND 1
(P) 6.42'x8.0' PLUNGE POOL (2.5:1 SIDE SLOPE)
(P) FOREBAY (TYP)
STA: 1+23.26 BEGIN 42" RCP
(P) RET. WALL
LOT LINE (TYP)
STA: 1+42.24 INSIDE FACE OF MH END (P) 30" RCP
STA: 1+44.24 (P) CDOT TYPE II STM MH [4' ø]
STA: 1+46.24 INSIDE FACE OF MH BEGIN (P) 30" RCP
STA: 1+62.24 INSIDE FACE OF BOX END (P) 30" RCP
(P) 12' D-10-R SUMP INLET
STA: 1+66.24 INSIDE FACE OF BOX BEGIN (P) 30" RCP
STA: 2+10.58 INSIDE FACE OF BOX END (P) 30" RCP
(P) 12' D-10-R SUMP INLET
PROPERTY BOUNDARY (TYP)
DEPRESSION AREA FEEDING POND 1
STA: 2+30.12 END 30" RCP BEGIN 30" FES
STA: 2+36.20 END 30" FES
STA: 1+42.26 BEGIN 30" FES w/ TOE WALL
STA: 1+48.34 END 30" FES BEGIN 30" RCP
(P) 8" PVC WTR MAIN (TYP)
(E) 8" PVC SAN SWR (TO BE REMOVED)
(P) 8" PVC SAN SWR (TYP)
(E) 8" PVC SAN SWR FORCE MAIN (TO BE REMOVED)
(P) 8" PVC SAN SWR FORCE MAIN (TYP)
STA: 1+75.26 INSIDE FACE OF MH END (P) 42" RCP
STA: 1+77.76 (P) CDOT TYPE II STM MH [4' ø]
STA: 1+79.26 INSIDE FACE OF MH BEGIN (P) 42" RCP
STA: 1+19.00 [STM-24] END 30" RCP INSTALL TEMP PLUG
STA: 2+49.06 [STM-22] END 24" RCP INSTALL TEMP PLUG
(P) UT ESMT (TYP)
STA: 2+27.06 INSIDE FACE OF MH END (P) 42" RCP
STA: 2+30.06 [STM-22] = STA: 1+00.00 [STM-24] (P) CDOT TYPE II STM MH [5' ø]
STA: 1+03.00 [STM-24] INSIDE FACE OF MH BEGIN (P) 30" RCP
STA: 2+33.06 INSIDE FACE OF MH BEGIN (P) 24" RCP
L44
L45
L46
L47
L48
L49
L50
L51
L52
STM 20
STM 21
STM 22
STM 23
STM 24
1+00
2+00
①
②
③
④
⑤
⑥
⑦
⑧
W
S
SFM

① STA: 1+74.42
(P) 8" WTR XING

② STA: 1+88.41
(P) 8" SAN XING

③ STA: 1+93.48
(P) 8" SAN FORCE MAIN XING

④ STA: 1+73.91
(P) 8" WTR XING

⑤ STA: 1+85.04
(P) 8" SAN XING

⑥ STA: 1+89.07
(P) 8" SAN FORCE MAIN XING

⑦ STA: 2+03.77
(P) 8" WTR XING

⑧ STA: 2+18.05
(P) 8" SAN XING

STM-20
STA: 1+00 ~ 1+50

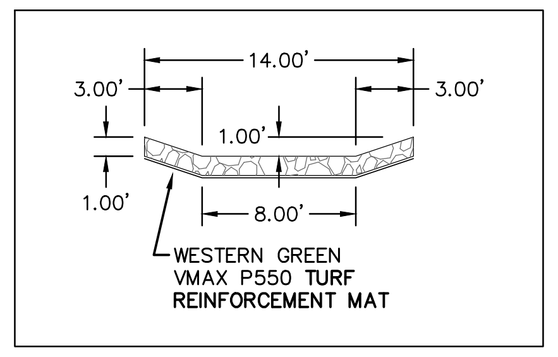
STM-21
STA: 1+00 ~ 2+25

STM-22
STA: 1+00 ~ 2+50

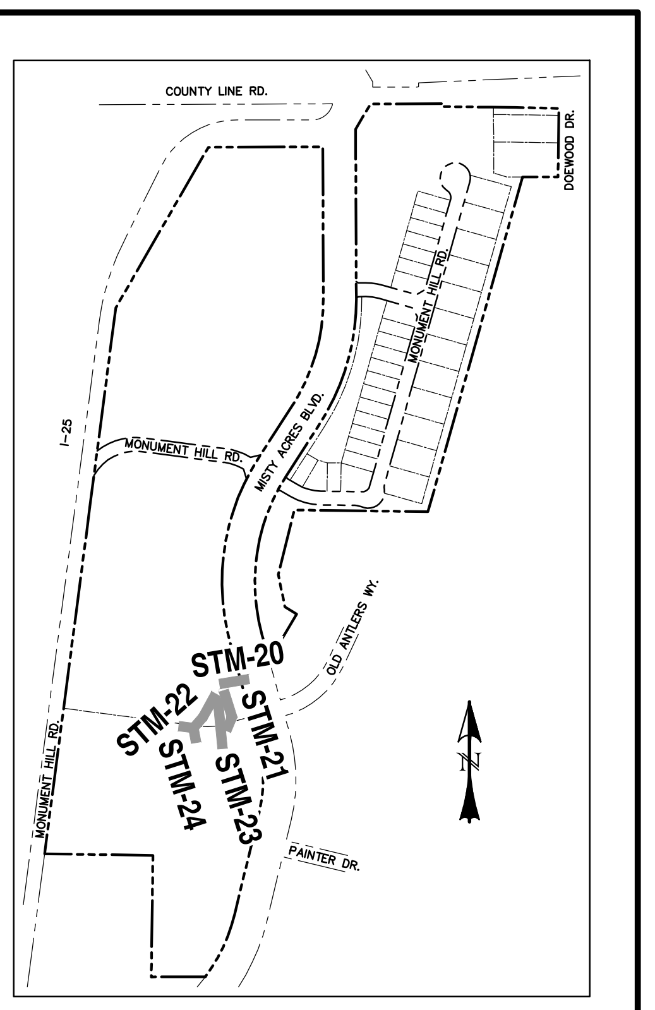
STM-23
STA: 1+00 ~ 2+50

STM-24
STA: 1+00 ~ 1+50

LINE TABLE – STM		
LINE	BEARING	DISTANCE
L44	S48° 02' 38"W	62.72
L45	S17° 34' 13"E	36.24
L46	S17° 34' 13"E	16.00
L47	S22° 18' 28"W	44.34
L48	S5° 27' 45"E	81.78
L49	S28° 49' 40"W	51.99
L50	S41° 04' 56"W	46.80
L51	N82° 33' 30"W	16.00
L52	S10° 10' 12"E	16.00


14.00'
3.00'
3.00'
1.00'
1.00'
8.00'
WESTERN GREEN VMAX P550 TURF REINFORCEMENT MAT

RIPRAP RUNDOWN DETAIL
SCALE: N.T.S.


COUNTY LINE RD.
I-25
STM-20
STM-21
STM-22
STM-23
STM-24
N

LOCATION MAP
SCALE: N.T.S.

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

NOTE:
1. WATER TIGHT SEAL IS REQUIRED WHEN THE 100-YEAR HGL IS OUTSIDE OF THE PIPES.

NOTE: THE TRUE HGL FOR ALL PIPE SYSTEMS BETWEEN THE PONDS HAS BEEN MODELED IN SWMM. THERE IS NO ONE FLOW VALUE TO USE AS IT DYNAMICALLY CHANGES OVER THE RAINFALL PERIOD. HOWEVER, IN ORDER TO ELIMINATE THIS COMMENT AND OTHER SIMILAR COMMENTS, WE ARE MAKING THE CHANGE AS REQUESTED BASED ON THE RATIONAL PEAK FLOW RATES" (SHOWN BELOW).

① STA: 1+62.24
INSIDE FACE OF MH
END 30" RCP
INV = 7311.98

② STA: 1+66.24
INSIDE FACE OF MH
BEGIN 30" RCP
INV = 7313.30

7330
7320
7310
7300
7290
(P) CDOT TYPE I STM MH [4'x6.33'] RIM = 7315.06 (FLAT TOP)
(P) GRADE (TYP)
(E) GRADE (TYP)
(P) OUTFALL STRUCTURE
HGLs
62.72 LF OF 24" RCP @ 0.50%
STA: 1+00.00 INSIDE FACE OF MH CONNECT TO (E) 48" RCP INV = 7305.15
STA: 1+04.00 INSIDE FACE OF BOX BEGIN 24" RCP INV = 7305.32
STA: 1+66.72 INSIDE FACE OF BOX END 24" RCP INV = 7305.63
STM-20
(P) 12' D-10-R SUMP INLET TOB = 7320.73 THT = 7319.73
44.34 LF OF 30" RCP @ 5.00%
16.00 LF OF 30" RCP @ 5.00%
(P) 12' D-10-R SUMP INLET TOB = 7321.18 THT = 7320.18
(P) CDOT TYPE II STM MH [4' ø] RIM = 7317.69 (FLAT TOP)
(P) GRADE (TYP)
(E) GRADE (TYP)
STA: 1+06.00 FOREBAY INV = 7307.42 BEGIN 30" RCP INV = 7308.42
HGLs
STA: 2+10.58 INSIDE FACE OF BOX END 30" RCP INV = 7315.51
(P) FOREBAY
36.24 LF OF 30" RCP @ 1.49%
STA: 1+49.48 (P) 8" SAN FORCE MAIN XING BOP (STM) = 7314.37 TOP (SFM) = 7310.90 CLR = 3.5'
STA: 1+42.24 INSIDE FACE OF MH END 30" RCP INV = 7308.96
STA: 1+88.41 (P) 8" SAN XING BOP (STM) = 7314.11 TOP (SAN) = 7308.70 CLR = 5.4'
STA: 1+46.240 INSIDE FACE OF MH BEGIN 30" RCP INV = 7311.18
STA: 1+74.42 (P) 8" WTR XING BOP (STM) = 7313.41 TOP (WTR) = 7309.84 CLR = 3.6'
STM-21
STA: 2+18.05 (P) 8" SAN XING BOP (STM) = 7313.27 TOP (SAN) = 7310.18 CLR = 3.1'
STA: 2+03.77 (P) 8" WTR XING BOP (STM) = 7312.84 TOP (WTR) = 7309.84 CLR = 3.0'
(P) CDOT TYPE II STM MH [6' ø] RIM = 7322.48
(P) CDOT TYPE II STM MH [6' ø] RIM = 7322.11
16.00 LF OF 24" RCP @ 2.37%
(E) GRADE (TYP)
(P) GRADE (TYP)
52.00 LF OF 42" RCP @ 3.00%
HGLs
STA: 3+49.06 END 18" RCP INSTALL TEMP PLUG INV = 7316.78
STA: 1+23.26 FOREBAY INV = 7300.57 BEGIN 42" RCP INV = 7301.57
45.88 LF OF 42" RCP @ 2.99%
STA: 2+33.06 INSIDE FACE OF MH BEGIN 24" RCP INV = 7316.40
STA: 2+30.06 (P) 30" RCP [STM-24] INV IN = 7315.90
(P) FOREBAY
STA: 1+75.26 INSIDE FACE OF MH END 42" RCP INV = 7303.13
STA: 2+27.06 INSIDE FACE OF MH END 42" RCP INV = 7313.91
STA: 1+81.26 INSIDE FACE OF MH BEGIN 42" RCP INV = 7312.54
STM-22
STA: 1+48.34 END 30" FES BEGIN 30" RCP INV = 7314.23
(P) GRADE (TYP)
81.78 LF OF 30" RCP @ 2.01%
STA: 2+30.12 END 30" RCP BEGIN 30" FES INV = 7315.88
STA: 1+42.26 BEGIN 30" FES INV = 7314.11
(E) GRADE (TYP)
HGLs
8.00'
8.00'
3:1
5.91'
0.00'
4:1
(P) 6.42'x8.0' PLUNGE POOL (2.5:1 SIDE SLOPE)
11.67'
5.91'
STA: 2+36.20 END 30" FES INV = 7316.00
(P) TOEWALL [10.71'x0.67'x3.00'] (SEE DETAIL; SHEET 26)
STA: 1+89.07 (P) 8" SAN FORCE MAIN XING BOP (STM) = 7314.76 TOP (SFM) = 7311.26 CLR = 3.5'
(P) TRICKLE CHANNEL
EXTEND TURF MAT UPSTREAM OF FES (3' MIN)
STA: 1+85.04 (P) 8" SAN XING BOP (STM) = 7314.68 TOP (SAN) = 7308.58 CLR = 6.1
WESTERN GREEN VMAX P550 TURF REINFORCEMENT MAT
(P) 56.5'x14.0' D50 = 6" DIA. TYPE 'VL' SOIL RIPRAP [12" THICK]
STA: 1+73.91 (P) 8" WTR XING BOP (STM) = 7314.46 TOP (WTR) = 7309.84 CLR = 4.6'
STM-23
(P) CDOT TYPE II STM MH [6' ø] RIM = 7322.48
16.00 LF OF 30" RCP @ 1.00%
HGLs
STA: 1+19.00 END 18" RCP INSTALL TEMP PLUG INV = 7316.06
STA: 1+00.00 (P) 18" RCP [STM-21] INV IN = 7316.90 • (P) 42" RCP [STM-21] INV OUT = 7314.80
STA: 1+03.00 INSIDE FACE OF MH BEGIN 30" RCP INV = 7315.90
STM-24
100YR
10YR
1+00
2+00

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5	ADDRESS AGENCY COMMENTS	06/24/26

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

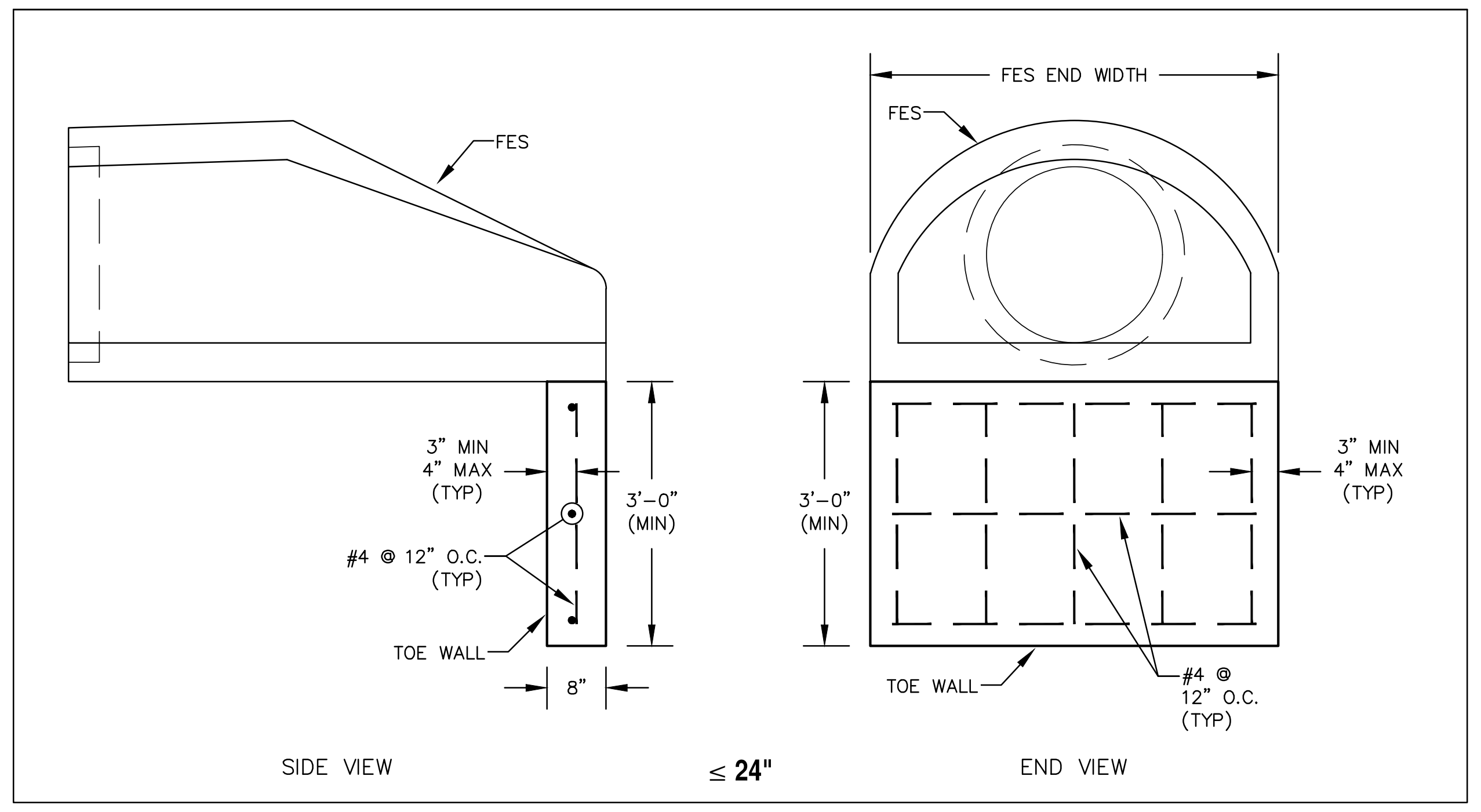
PREPARE
RAYMO

NOT FOR CONSTRUCTION

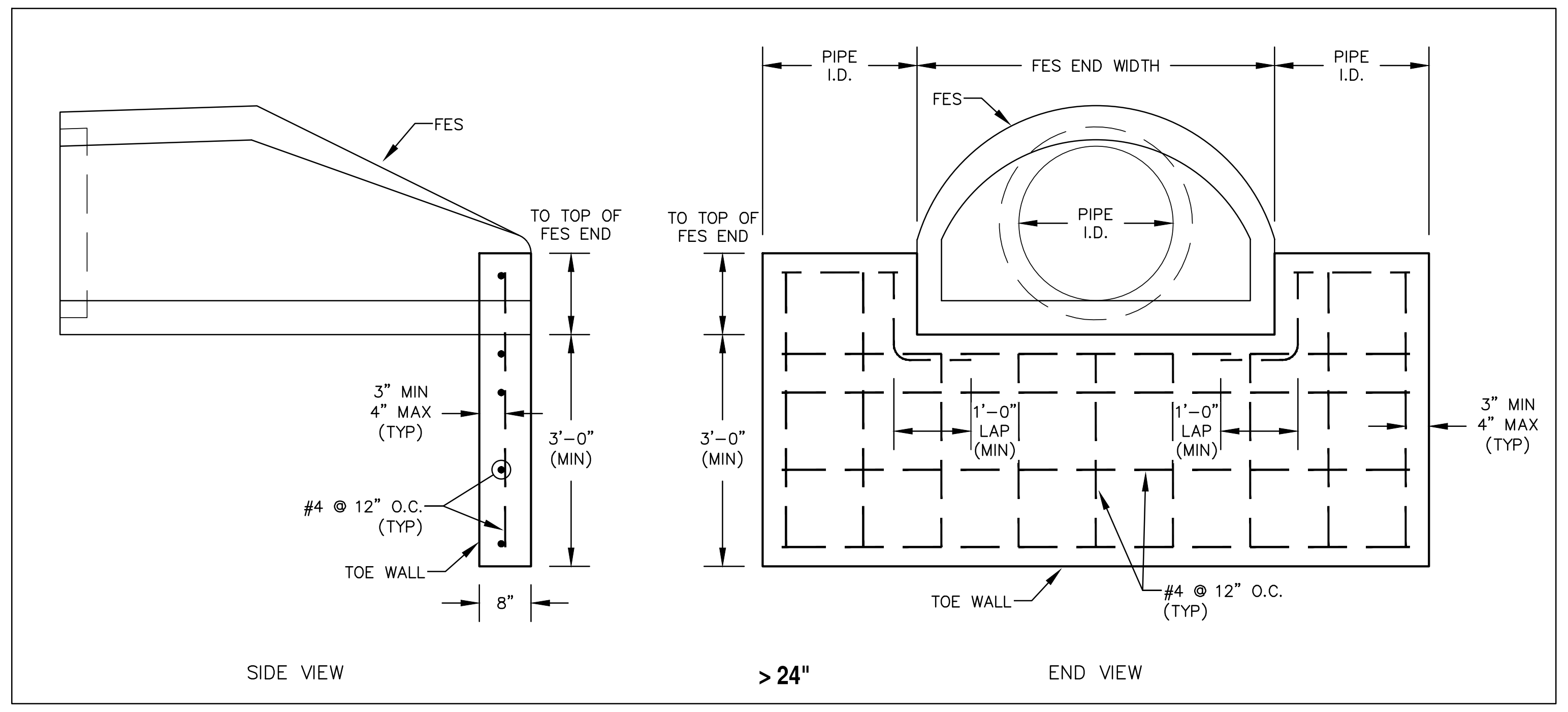
PRC
ENGINEERING
1685 W. UINTAH STREET, SUITE 114
COLORADO SPRINGS, CO 80904
(719) 291-2744

MONUMENT RIDGE EAST
FILING NO. 1
STORM SEWER
PLAN & PROFILES

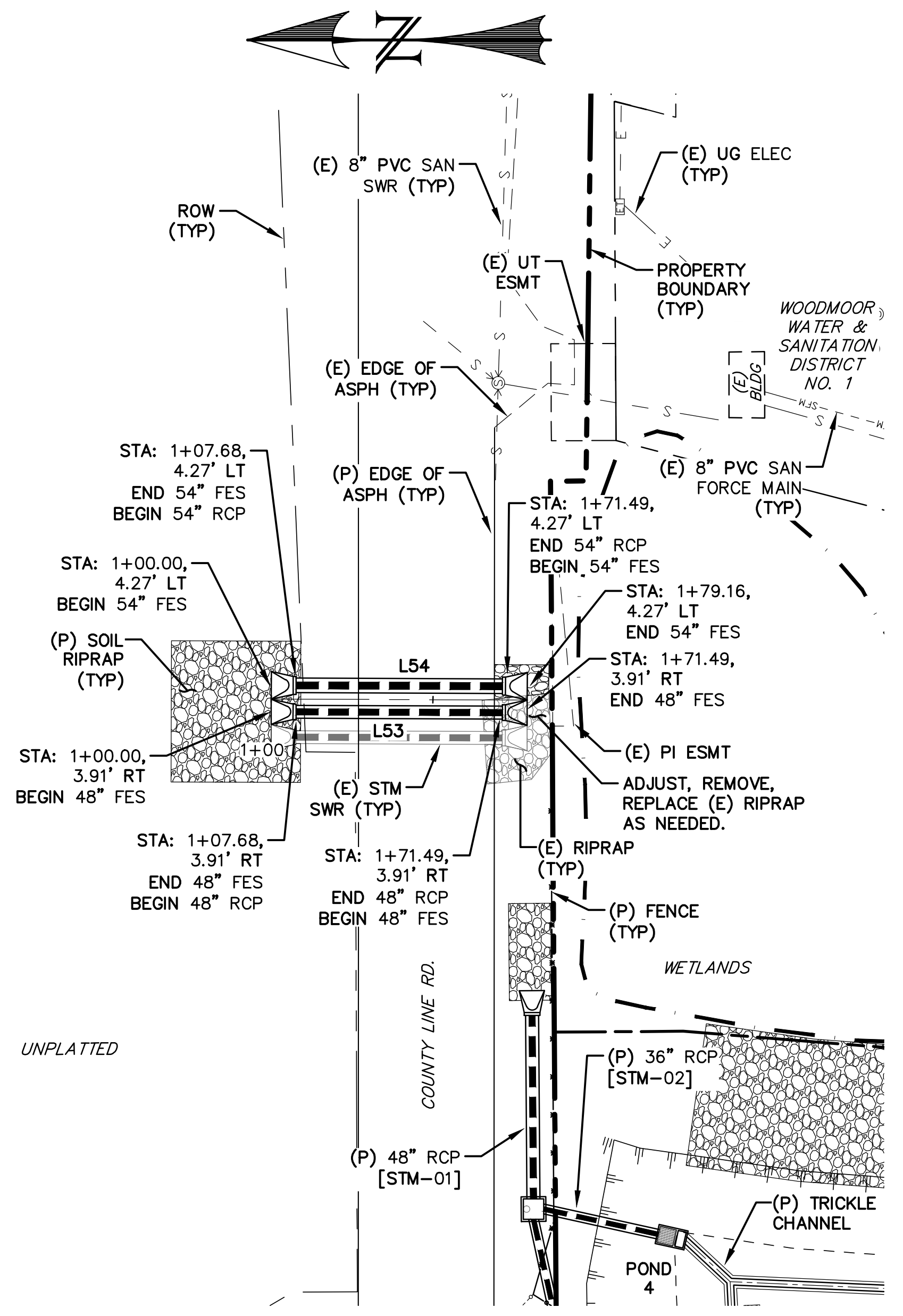
DESIGNED BY: MGP	DRAWN BY: MGP
SCALE: 1" = 50'	DATE: 04/08/25
JOB NUMBER	SHEET
24-001	25 OF 29


FES
FES END WIDTH
FES
3" MIN
4" MAX
(TYP)
#4 @ 12" O.C.
(TYP)
TOE WALL
3'-0"
(MIN)
8"
3'-0"
(MIN)
3" MIN
4" MAX
(TYP)
TOE WALL
#4 @
12" O.C.
(TYP)
SIDE VIEW
≤ 24"
END VIEW

FES TOE WALL DETAIL
SCALE: N.T.S.

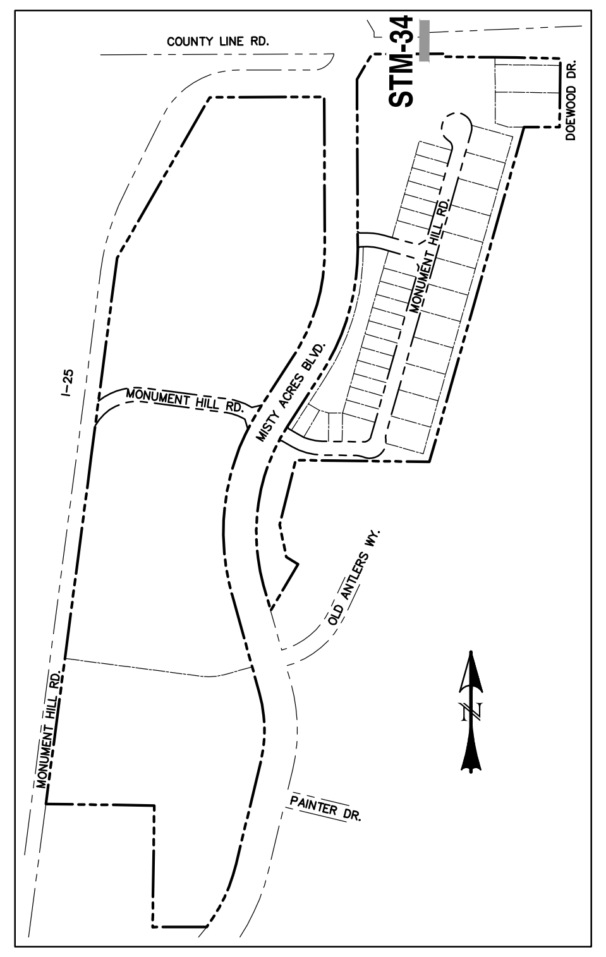

FES
TO TOP OF
FES END
3" MIN
4" MAX
(TYP)
#4 @ 12" O.C.
(TYP)
TOE WALL
3'-0"
(MIN)
8"
PIPE
I.D.
FES END WIDTH
PIPE
I.D.
FES
TO TOP OF
FES END
PIPE
I.D.
3'-0"
(MIN)
1'-0"
LAP
(MIN)
1'-0"
LAP
(MIN)
3" MIN
4" MAX
(TYP)
TOE WALL
#4 @ 12" O.C.
(TYP)
SIDE VIEW
> 24"
END VIEW

FES TOE WALL DETAIL
SCALE: N.T.S.

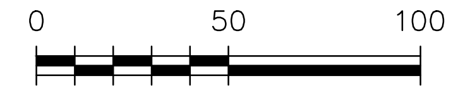

N
ROW
(TYP)
(E) 8" PVC SAN
SWR (TYP)
(E) UG ELEC
(TYP)
(E) UT
ESMT
PROPERTY
BOUNDARY
(TYP)
WOODMOOR
WATER &
SANITATION
DISTRICT
NO. 1
(E)
BLDG
(E) EDGE OF
ASPH (TYP)
(E) 8" PVC SAN
FORCE MAIN
(TYP)
STA: 1+07.68,
4.27' LT
END 54" FES
BEGIN 54" RCP
(P) EDGE OF
ASPH (TYP)
STA: 1+71.49,
4.27' LT
END 54" RCP
BEGIN 54" FES
STA: 1+00.00,
4.27' LT
BEGIN 54" FES
STA: 1+79.16,
4.27' LT
END 54" FES
(P) SOIL
RIPRAP
(TYP)
L54
STA: 1+71.49,
3.91' RT
END 48" FES
L53
1+00
STA: 1+00.00,
3.91' RT
BEGIN 48" FES
(E) STM
SWR (TYP)
(E) PI ESMT
ADJUST, REMOVE,
REPLACE (E) RIPRAP
AS NEEDED.
STA: 1+07.68,
3.91' RT
END 48" FES
BEGIN 48" RCP
STA: 1+71.49,
3.91' RT
END 48" RCP
BEGIN 48" FES
(E) RIPRAP
(TYP)
(P) FENCE
(TYP)
WETLANDS
UNPLATTED
COUNTY LINE RD.
(P) 36" RCP
[STM-02]
(P) 48" RCP
[STM-01]
(P) TRICKLE
CHANNEL
POND
4

STM-36
STA: 1+00 ~ 1+80

LINE TABLE – STM		
LINE	BEARING	DISTANCE
L53	S0° 13' 25"W	63.82
L54	S0° 13' 25"W	63.82


COUNTY LINE RD.
STM-34
DOEWOOD DR.
I-25
MONUMENT HILL RD.
MISTY ACRES BLVD.
MONUMENT HILL RD.
OLD ANTLERS WY.
N
MONUMENT HILL RD.
PAINTER DR.

LOCATION MAP
SCALE: N.T.S.



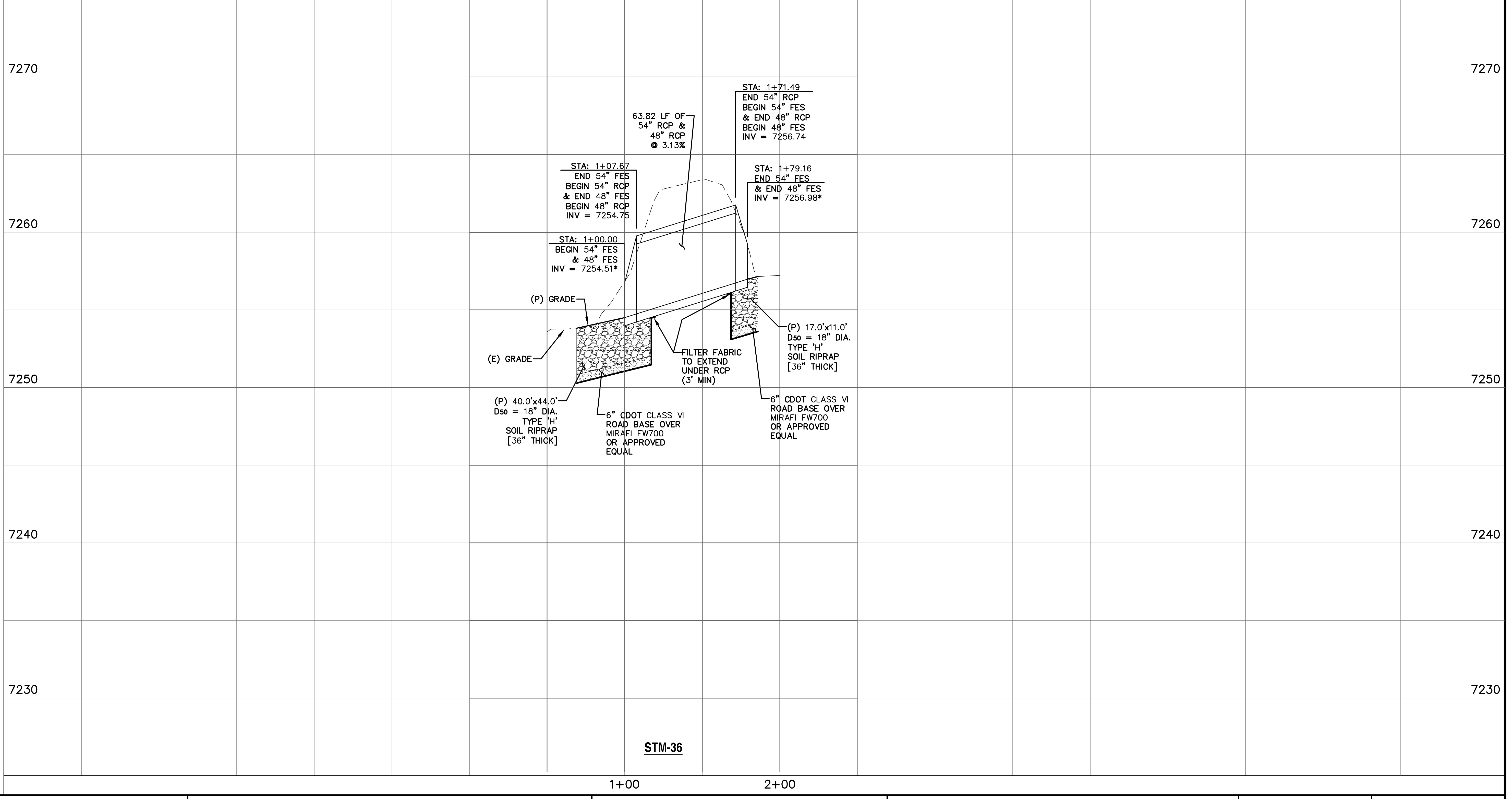
HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

NOTE:

1. WATER TIGHT SEAL IS REQUIRED WHEN THE 100-YEAR HGL IS OUTSIDE OF THE PIPES.

* INVERT TO MATCH EXISTING 48" FES. VERIFY PRIOR TO CONSTRUCTION.

NOTE: THE TRUE HGL FOR ALL PIPE SYSTEMS BETWEEN THE PONDS HAS BEEN MODELED IN SWMM. THERE IS NO ONE FLOW VALUE TO USE AS IT DYNAMICALLY CHANGES OVER THE RAINFALL PERIOD. HOWEVER, IN ORDER TO ELIMINATE THIS COMMENT AND OTHER SIMILAR COMMENTS, WE ARE MAKING THE CHANGE AS REQUESTED BASED ON THE RATIONAL PEAK FLOW RATES" (SHOWN BELOW).


7270
7270
STA: 1+71.49
END 54" RCP
BEGIN 54" FES
& END 48" RCP
BEGIN 48" FES
INV = 7256.74
63.82 LF OF
54" RCP &
48" RCP
@ 3.13%
STA: 1+07.67
END 54" FES
BEGIN 54" RCP
& END 48" FES
BEGIN 48" RCP
INV = 7254.75
STA: 1+79.16
END 54" FES
& END 48" FES
INV = 7256.98*
7260
7260
STA: 1+00.00
BEGIN 54" FES
& 48" FES
INV = 7254.51*
(P) GRADE
(E) GRADE
FILTER FABRIC
TO EXTEND
UNDER RCP
(3' MIN)
(P) 17.0'x11.0'
D50 = 18" DIA.
TYPE 'H'
SOIL RIPRAP
[36" THICK]
7250
7250
(P) 40.0'x44.0'
D50 = 18" DIA.
TYPE 'H'
SOIL RIPRAP
[36" THICK]
6" CDOT CLASS VI
ROAD BASE OVER
MIRAFI FW700
OR APPROVED
EQUAL
6" CDOT CLASS VI
ROAD BASE OVER
MIRAFI FW700
OR APPROVED
EQUAL
7240
7240
7230
7230
STM-36
1+00
2+00

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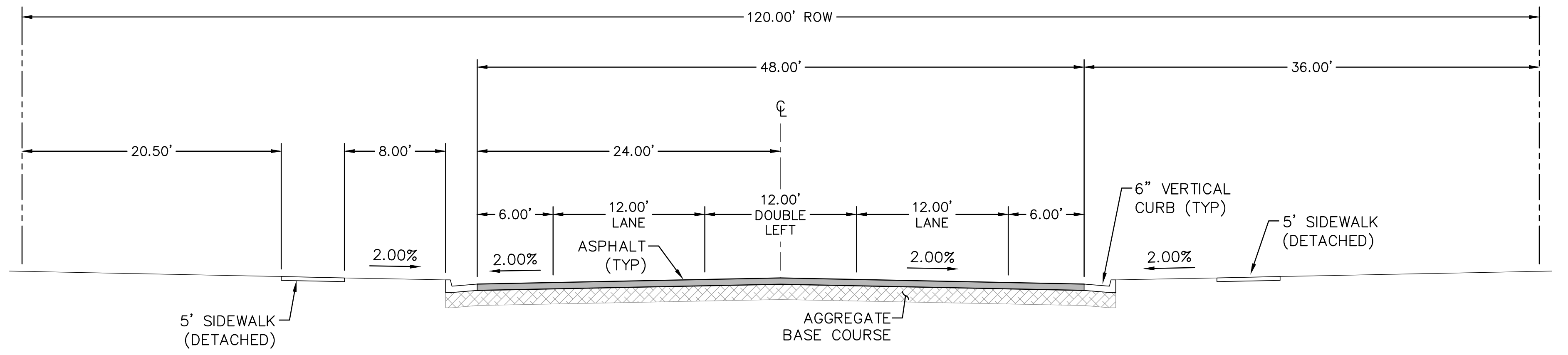
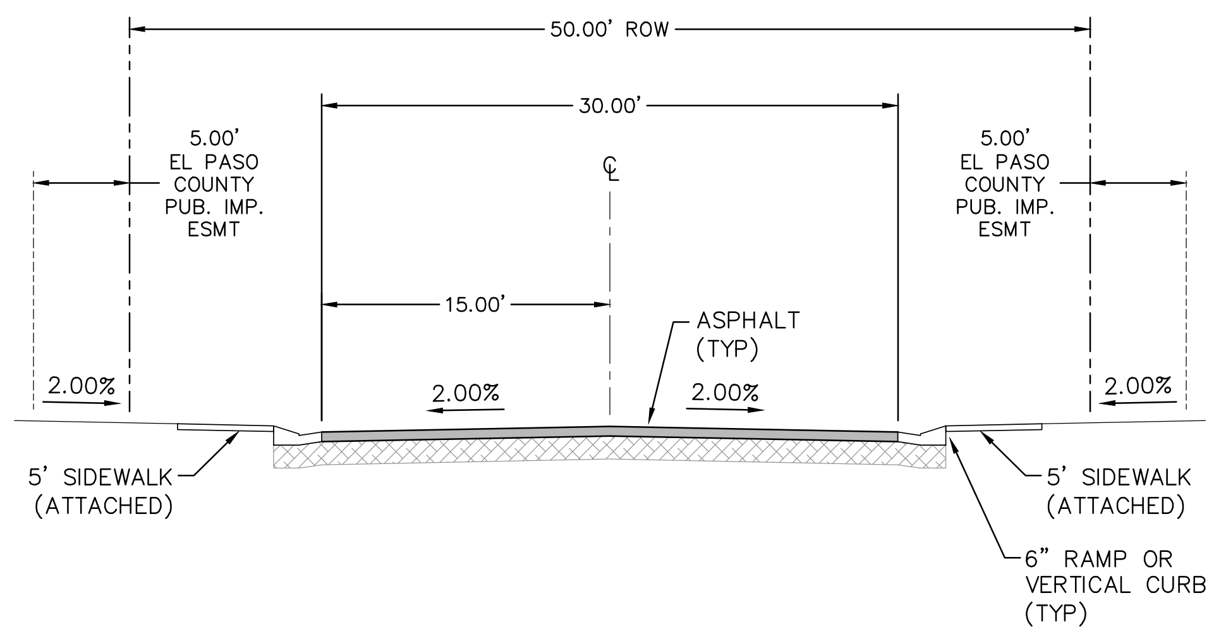

120.00' ROW
48.00'
36.00'
℄
20.50'
8.00'
24.00'
6.00'
12.00' LANE
12.00' DOUBLE LEFT
12.00' LANE
6.00'
6" VERTICAL CURB (TYP)
5' SIDEWALK (DETACHED)
2.00%
2.00%
ASPHALT (TYP)
2.00%
2.00%
5' SIDEWALK (DETACHED)
AGGREGATE BASE COURSE

TYPICAL SECTION - NON-RESIDENTIAL COLLECTOR (MODIFIED)

SCALE: N.T.S.

ROADWAY DESIGN PARAMETERS				
DESIGN SPEED	30 MPH		MIN CL RADIUS	565'
POSTED SPEED	25 MPH		MIN K VALUE CREST	19
MAX ADT	10,000		MIN K VALUE SAG	37
DESIGN VEHICLE	WB-50		MIN/MAX GRADE	0.5% / 8.0%

(MISTY ACRES BOULEVARD)

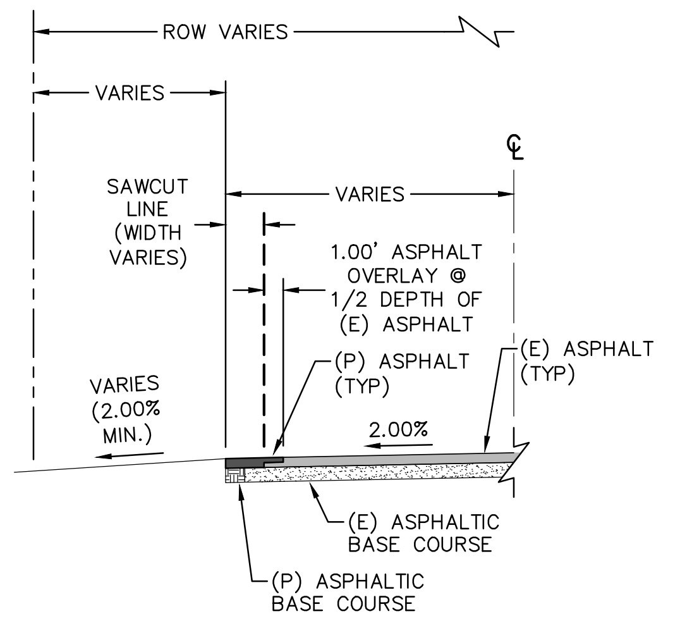

50.00' ROW
30.00'
5.00' EL PASO COUNTY PUB. IMP. ESMT
5.00' EL PASO COUNTY PUB. IMP. ESMT
℄
15.00'
ASPHALT (TYP)
2.00%
2.00%
2.00%
2.00%
5' SIDEWALK (ATTACHED)
5' SIDEWALK (ATTACHED)
6" RAMP OR VERTICAL CURB (TYP)

TYPICAL SECTION - URBAN LOCAL

SCALE: N.T.S.

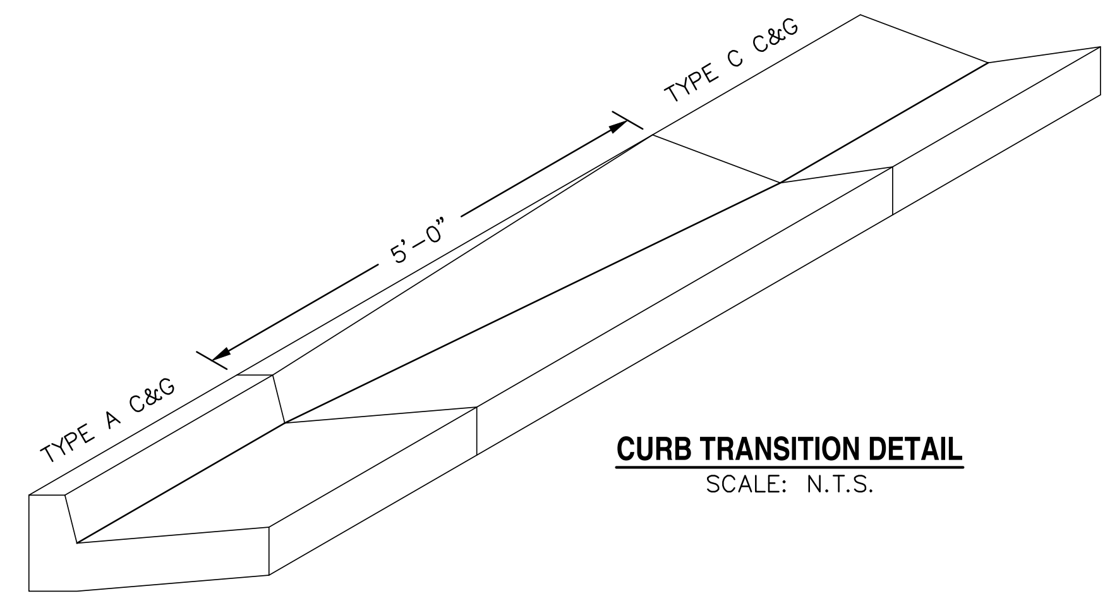
ROADWAY DESIGN PARAMETERS				
DESIGN SPEED	25 MPH		MIN CL RADIUS	200'
POSTED SPEED	25 MPH		MIN K VALUE CREST	12
MAX ADT	3,000		MIN K VALUE SAG	26
DESIGN VEHICLE	WB-50		MIN/MAX GRADE	0.5% / 8.0%

(MONUMENT HILL ROAD / SNOWY TOP DRIVE / OLD ANTLERS ROAD)


ROW VARIES
VARIES
℄
SAWCUT LINE (WIDTH VARIES)
VARIES
1.00' ASPHALT OVERLAY @ 1/2 DEPTH OF (E) ASPHALT
(P) ASPHALT (TYP)
(E) ASPHALT (TYP)
VARIES (2.00% MIN.)
2.00%
(E) ASPHALTIC BASE COURSE
(P) ASPHALTIC BASE COURSE

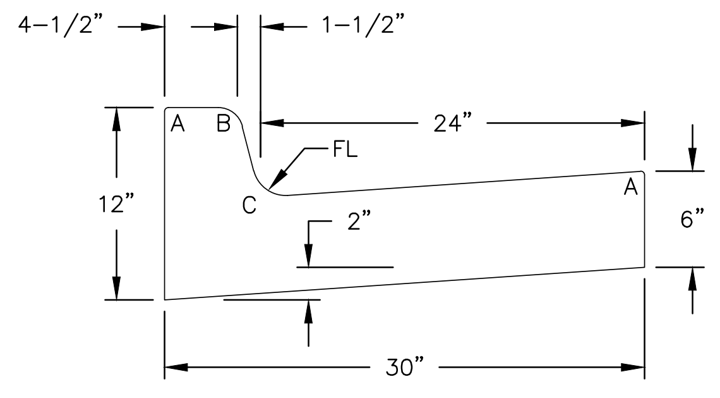
TYPICAL SECTION - COUNTY LINE ROAD WIDENING

SCALE: N.T.S.


TYPE C C&G
5'-0"
TYPE A C&G

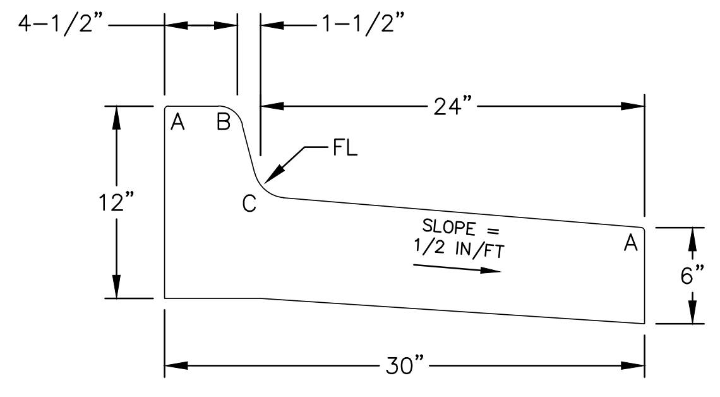
CURB TRANSITION DETAIL

SCALE: N.T.S.


4-1/2"
1-1/2"
A
B
24"
FL
C
12"
2"
A
6"
30"

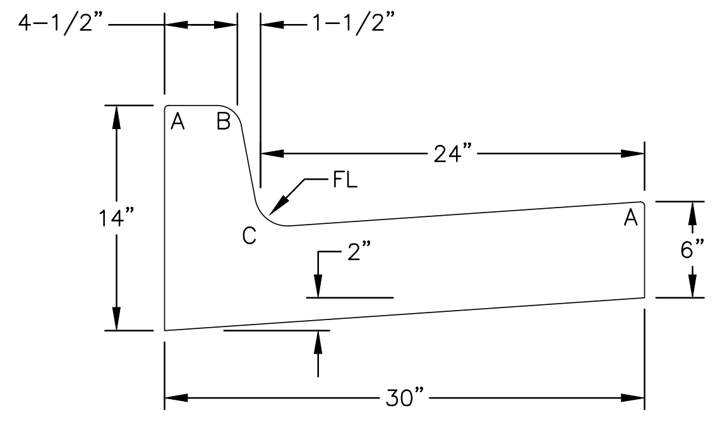
TYPE A

VERTICAL CURB & GUTTER
SCALE: N.T.S.


4-1/2"
1-1/2"
A
B
24"
FL
C
12"
SLOPE = 1/2 IN/FT
A
6"
30"

TYPE A* [SPILL]

VERTICAL CURB & GUTTER
SCALE: N.T.S.

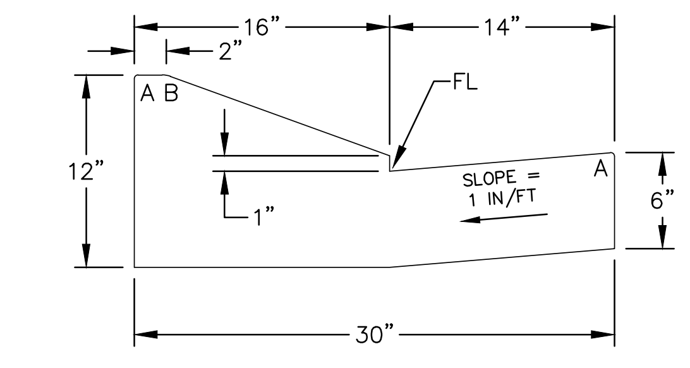

4-1/2"
1-1/2"
A
B
24"
FL
C
14"
2"
A
6"
30"

TYPE A1 [8"]

VERTICAL CURB & GUTTER
SCALE: N.T.S.

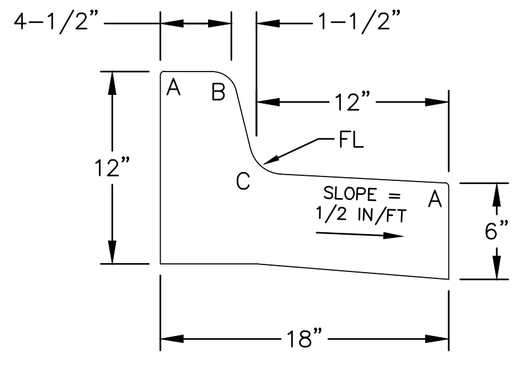
RADII LEGEND:

A = 1/8" TO 1/4"
B = 1-1/2"
C = 1-1/2" TO 2"
D = 1/2"


16"
14"
2"
A
B
FL
12"
SLOPE = 1 IN/FT
A
1"
6"
30"

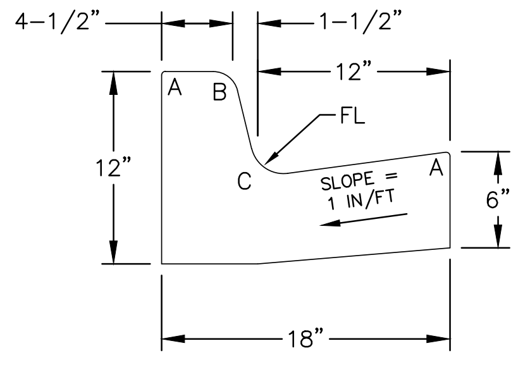
TYPE C - OPTIONAL

RAMP CURB & GUTTER
SCALE: N.T.S.


4-1/2"
1-1/2"
A
B
12"
FL
C
12"
SLOPE = 1/2 IN/FT
A
6"
18"

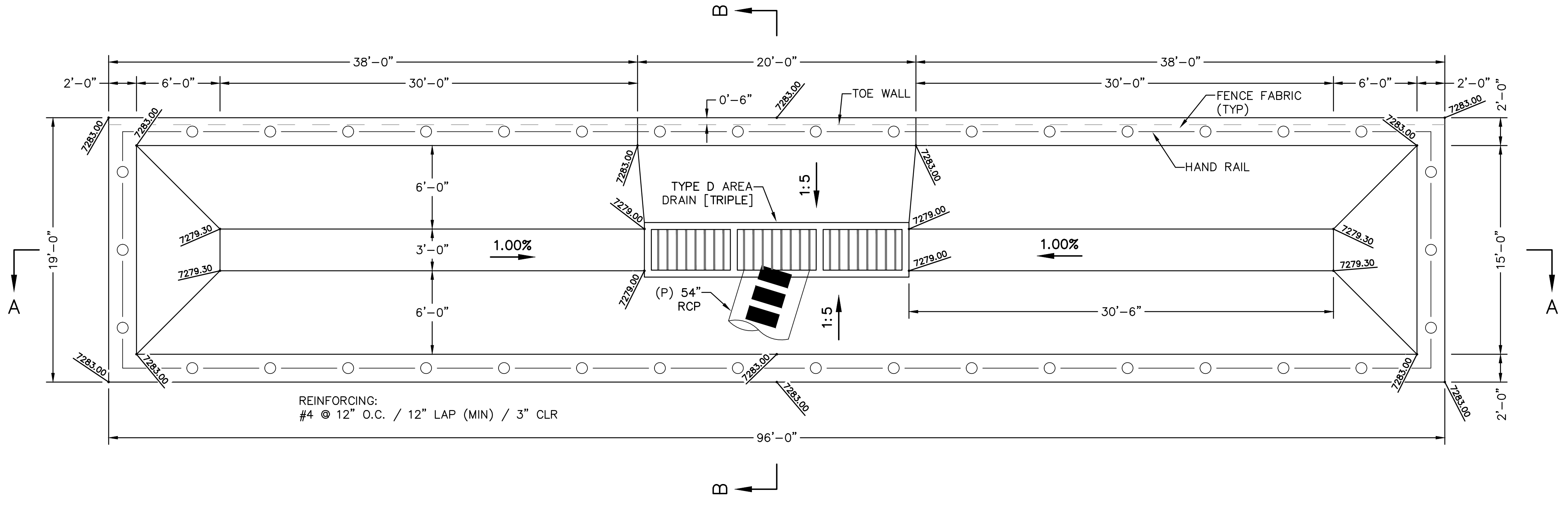
TYPE B

MEDIAN CURB & GUTTER
SCALE: N.T.S.


4-1/2"
1-1/2"
A
B
12"
FL
C
12"
SLOPE = 1 IN/FT
A
6"
18"

TYPE B* [CARRY]

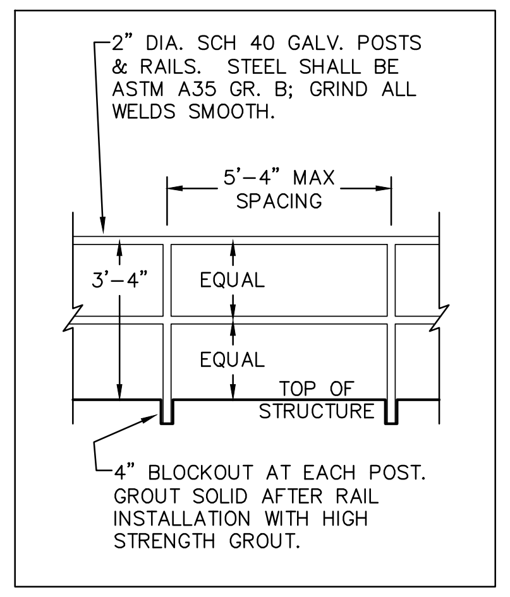
MEDIAN CURB & GUTTER
SCALE: N.T.S.


B
38'-0"
20'-0"
38'-0"
2'-0"
6'-0"
30'-0"
30'-0"
6'-0"
2'-0"
0'-6"
TOE WALL
FENCE FABRIC (TYP)
HAND RAIL
7283.00
7279.30
7279.00
TYPE D AREA DRAIN [TRIPLE]
1:5
6'-0"
3'-0"
6'-0"
19'-0"
15'-0"
1.00%
1.00%
(P) 54" RCP
30'-6"
A
A
REINFORCING: #4 @ 12" O.C. / 12" LAP (MIN) / 3" CLR
96'-0"
2'-0"
2'-0"

PLAN VIEW

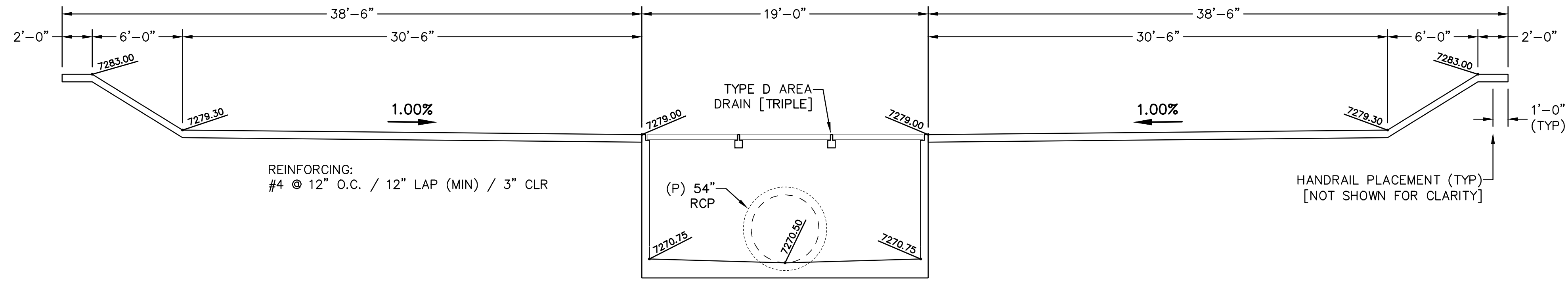
FENCE FABRIC NOTES:

1. FENCE FABRIC SHALL BE 2" MESH, 9 GAGE GALVANIZED STEEL WIRE, PLACED ON THE UPSTREAM SIDE OF THE HANDRAIL POSTS.
2. FENCE FABRIC SHALL BE SECURED T POSTS WITH 9 GAGE WIRE CLIPS @ 9" O.C.

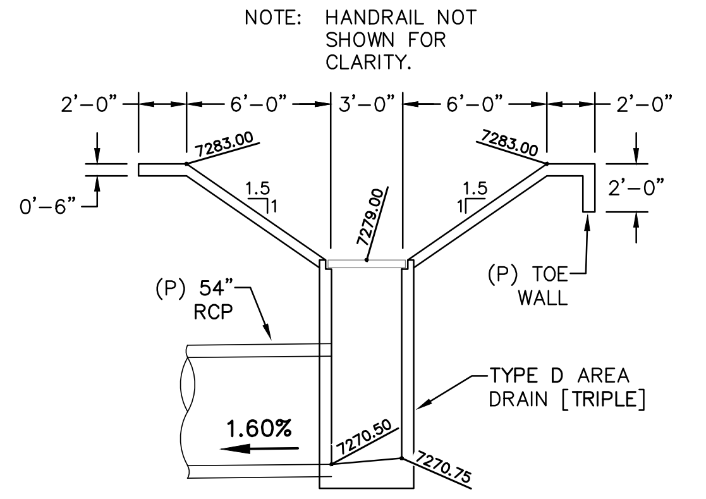

2" DIA. SCH 40 GALV. POSTS & RAILS. STEEL SHALL BE ASTM A35 GR. B; GRIND ALL WELDS SMOOTH.
5'-4" MAX SPACING
3'-4"
EQUAL
EQUAL
TOP OF STRUCTURE
4" BLOCKOUT AT EACH POST. GROUT SOLID AFTER RAIL INSTALLATION WITH HIGH STRENGTH GROUT.

HANDRAIL DETAIL

SCALE: N.T.S.

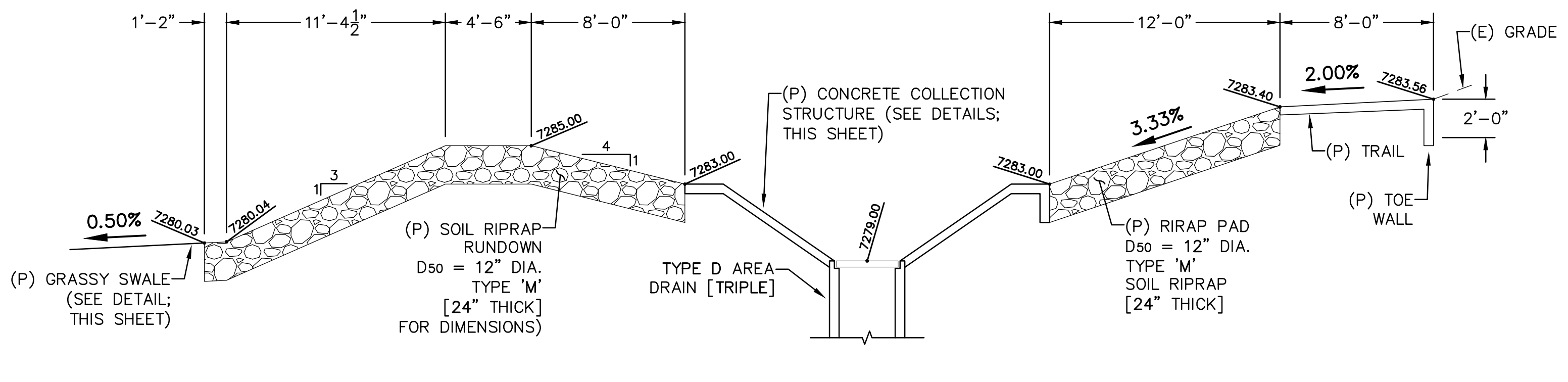

38'-6"
19'-0"
38'-6"
2'-0"
6'-0"
30'-6"
30'-6"
6'-0"
2'-0"
7283.00
7279.30
1.00%
7279.00
TYPE D AREA DRAIN [TRIPLE]
1.00%
1'-0" (TYP)
REINFORCING: #4 @ 12" O.C. / 12" LAP (MIN) / 3" CLR
(P) 54" RCP
7270.75
7270.50
HANDRAIL PLACEMENT (TYP) [NOT SHOWN FOR CLARITY]

SECTION A-A

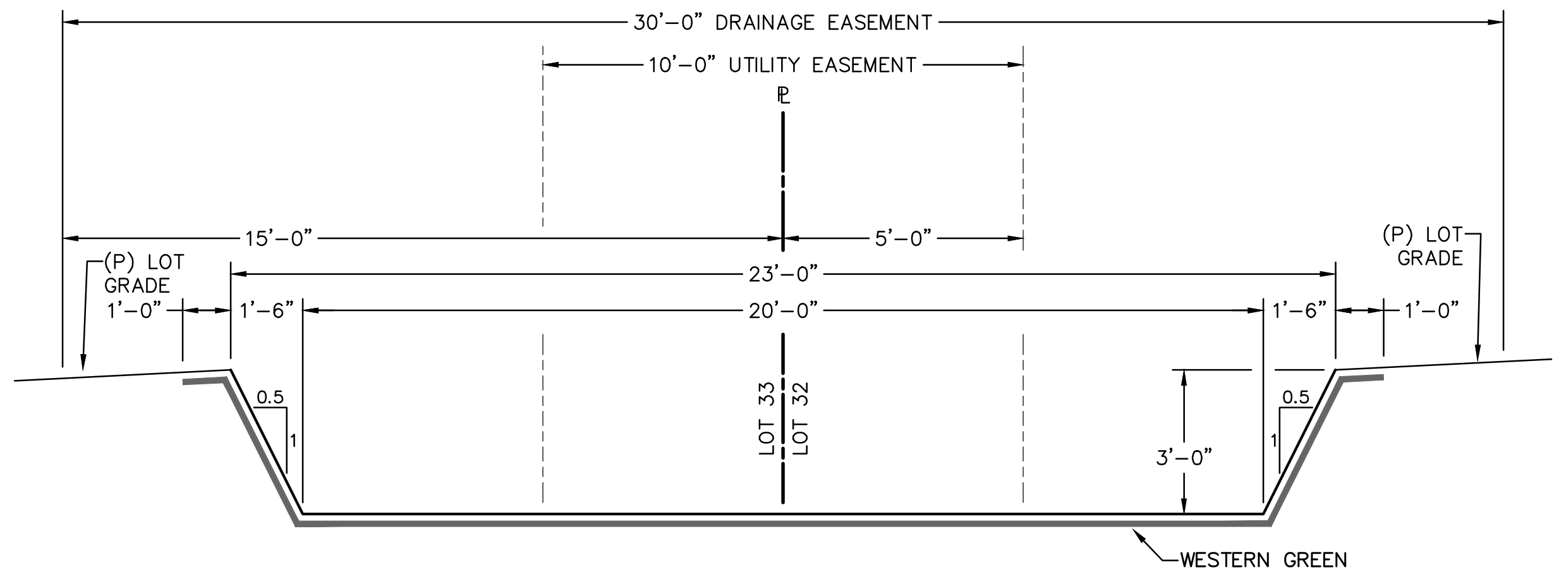

NOTE: HANDRAIL NOT SHOWN FOR CLARITY.
2'-0"
6'-0"
3'-0"
6'-0"
2'-0"
0'-6"
7283.00
1.5
1
7279.00
2'-0"
(P) 54" RCP
(P) TOE WALL
TYPE D AREA DRAIN [TRIPLE]
1.60%
7270.50
7270.75

SECTION B-B

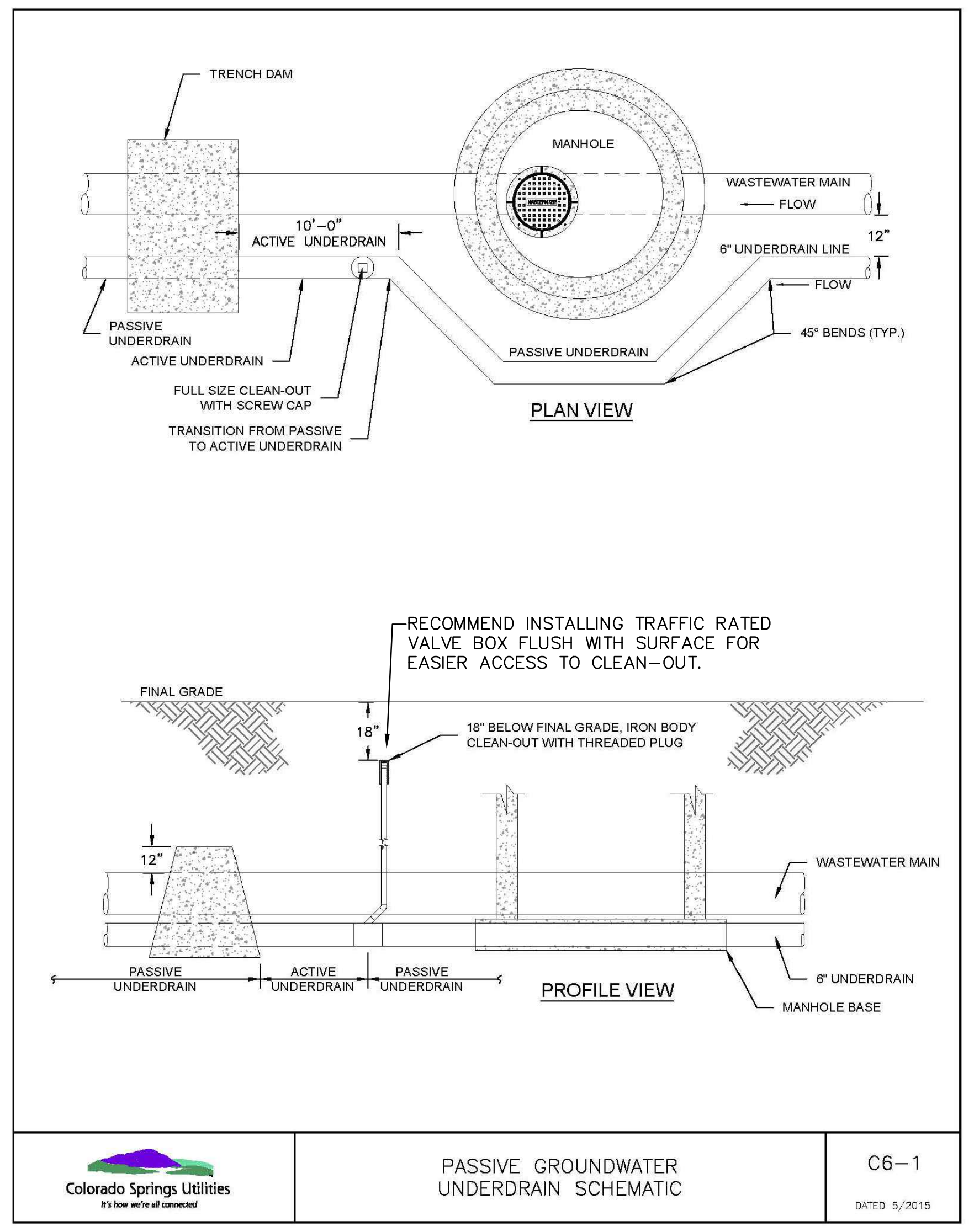
CONCRETE COLLECTION STRUCTURE DETAILS

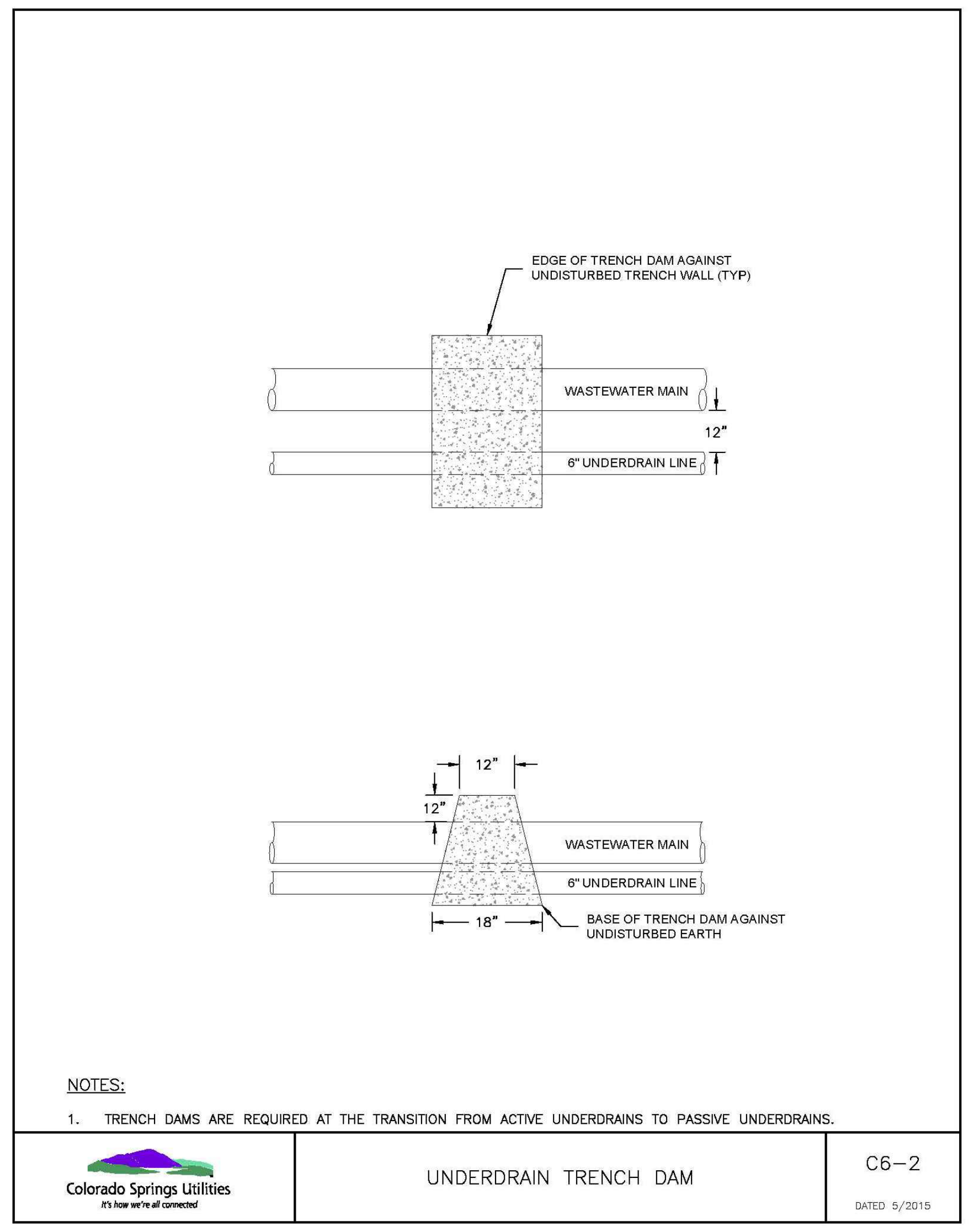

1'-2"
11'-4½"
4'-6"
8'-0"
12'-0"
8'-0"
(E) GRADE
(P) CONCRETE COLLECTION STRUCTURE (SEE DETAILS; THIS SHEET)
2.00%
7283.56
2'-0"
7285.00
7283.40
3.33%
(P) TRAIL
3
1
4
1
7283.00
7283.00
(P) TOE WALL
0.50%
7280.03
7280.04
7279.00
(P) GRASSY SWALE (SEE DETAIL; THIS SHEET)
(P) SOIL RIPRAP RUNDOWN D50 = 12" DIA. TYPE 'M' [24" THICK] FOR DIMENSIONS)
TYPE D AREA DRAIN [TRIPLE]
(P) RIRAP PAD D50 = 12" DIA. TYPE 'M' SOIL RIPRAP [24" THICK]

CONCRETE COLLECTION STRUCTURE ADJACENT RIPRAP DETAIL - PROFILE


30'-0" DRAINAGE EASEMENT
10'-0" UTILITY EASEMENT
℄
15'-0"
5'-0"
(P) LOT GRADE
(P) LOT GRADE
23'-0"
1'-0"
1'-6"
20'-0"
1'-6"
1'-0"
0.5
1
LOT 33
LOT 32
3'-0"
0.5
1
WESTERN GREEN VMAX P550 TURF REINFORCEMENT MAT

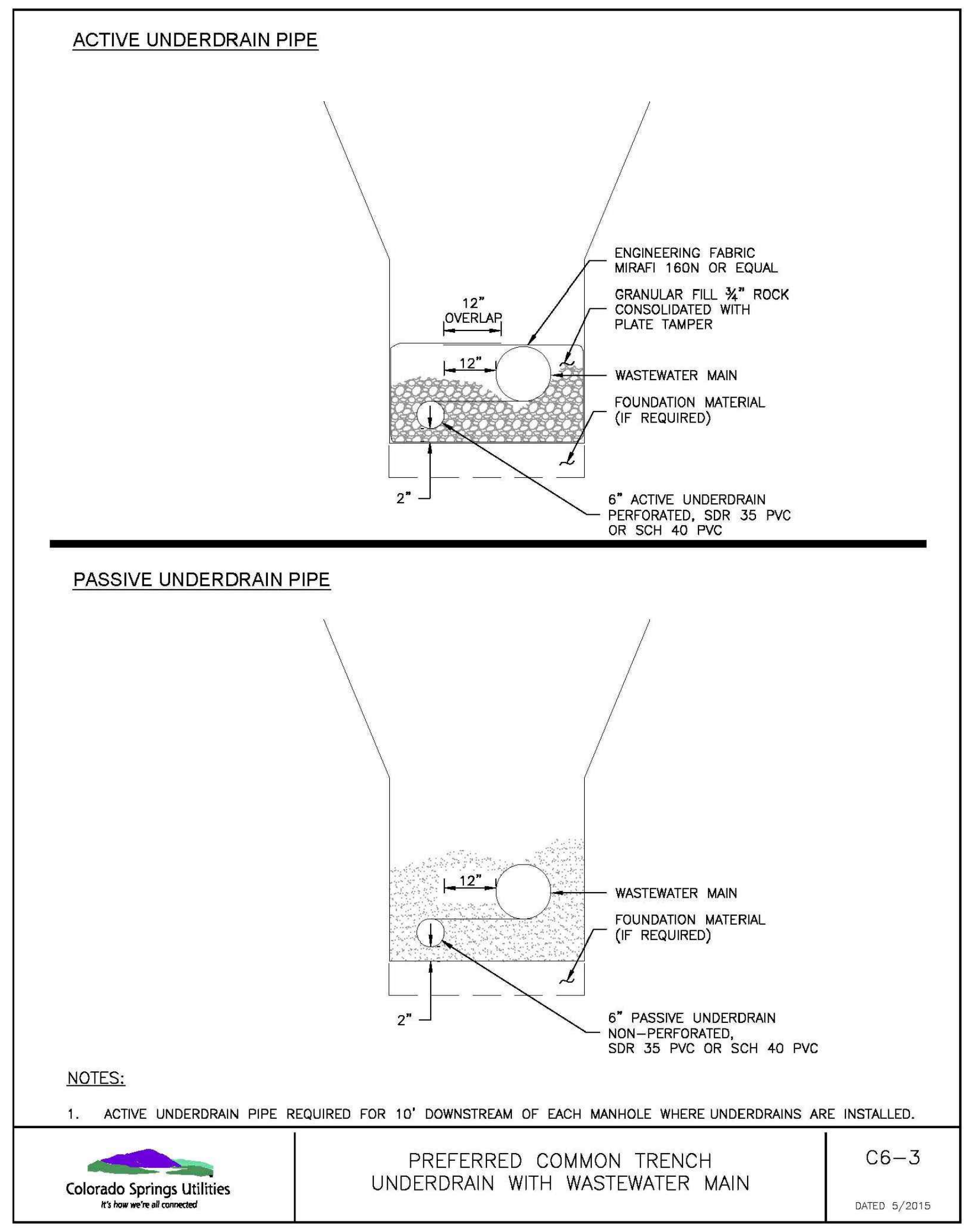
SECTION - GRASSY SWALE


TRENCH DAM
MANHOLE
WASTEWATER MAIN
FLOW
10'-0" ACTIVE UNDERDRAIN
12"
6" UNDERDRAIN LINE
FLOW
PASSIVE UNDERDRAIN
ACTIVE UNDERDRAIN
FULL SIZE CLEAN-OUT WITH SCREW CAP
TRANSITION FROM PASSIVE TO ACTIVE UNDERDRAIN
PASSIVE UNDERDRAIN
45° BENDS (TYP.)
PLAN VIEW
RECOMMEND INSTALLING TRAFFIC RATED VALVE BOX FLUSH WITH SURFACE FOR EASIER ACCESS TO CLEAN-OUT.
FINAL GRADE
18"
18" BELOW FINAL GRADE, IRON BODY CLEAN-OUT WITH THREADED PLUG
12"
WASTEWATER MAIN
PASSIVE UNDERDRAIN
ACTIVE UNDERDRAIN
PASSIVE UNDERDRAIN
PROFILE VIEW
6" UNDERDRAIN
MANHOLE BASE
Colorado Springs Utilities
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
Colorado Springs Utilities
UNDERDRAIN TRENCH DAM
C6-2
DATED 5/2015

NOTES:

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


ACTIVE UNDERDRAIN PIPE
12" OVERLAP
12"
ENGINEERING FABRIC MIRAFI 160N OR EQUAL
GRANULAR FILL ¾" ROCK CONSOLIDATED WITH PLATE TAMPER
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
Colorado Springs Utilities
PREFERRED COMMON TRENCH UNDERDRAIN WITH WASTEWATER MAIN
C6-3
DATED 5/2015

NOTES:

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

UNDERDRAIN DETAILS

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

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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

PREPARE

NOT FOR CONSTRUCTION

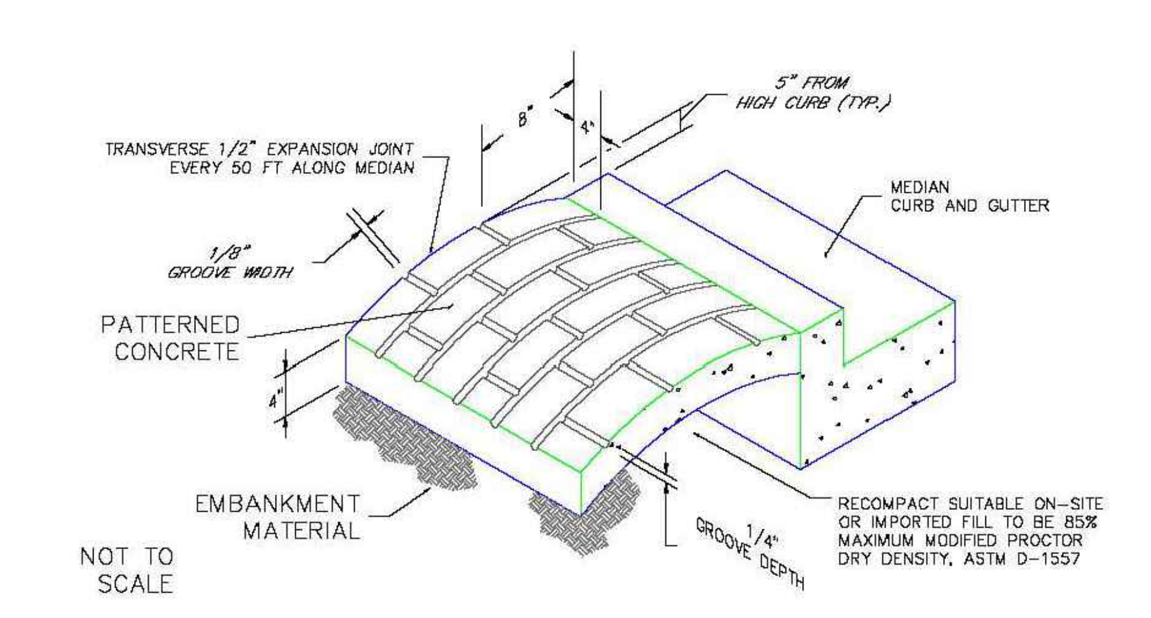
RAYMO

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

MONUMENT RIDGE EAST
FILING NO. 1

DETAILS

	DRAWN BY: MGP
SCALE: N/A	DATE: 04/08/25
JOB NUMBER	SHEET
24-001	27 OF 29


5" FROM HIGH CURB (TYP.)
TRANSVERSE 1/2" EXPANSION JOINT EVERY 50 FT ALONG MEDIAN
MEDIAN CURB AND GUTTER
1/8" GROOVE WIDTH
PATTERNED CONCRETE
EMBANKMENT MATERIAL
1/4" GROOVE DEPTH
RECOMPACT SUITABLE ON-SITE OR IMPORTED FILL TO BE 85% MAXIMUM MODIFIED PROCTOR DRY DENSITY, ASTM D-1557

NOT TO SCALE

NOTES:

A) The median paving shall be constructed with 4 inch thick, integrally colored concrete, embossed with a running bond 4" x 8" brick pattern as shown.

B) Install 1/2" x 4" expansion material at median noses, fixed objects, and at transverse joints at 50 ft. intervals (maximum) along the median.

C) The color additive shall be an approved commercially pure or synthetic mineral pigment, factory formulated and packaged in cubic yard dosage increments. The mixture shall be "Chromix" as manufactured by L.M. Scofield Company, "Davis Colors" as manufactured by Davis Color Company, Pigment No. 678, 5 lbs/sack, or an approved equal.

D) Patterned concrete to be colored L.M. Scofield Company "Santa Barbara Brown, C-35", Davis Color Company, Pigment No. 678, 5 lbs/sack, or an approved equal.

E) The Matching curing compound shall be a blend of waxes and pigments in a solvent emulsion base and conform to the requirements of ASTM C-309. The curing compound shall be "Lithocrome Colorwax" as manufactured by L.M. Scofield Company, Davis Color-Seal, as manufactured by Davis Color Company, or approved equal.

F) The concrete mix design shall conform to the requirements of the color admixture manufacturer and shall meet CDOT Class B concrete requirements, unless otherwise approved.

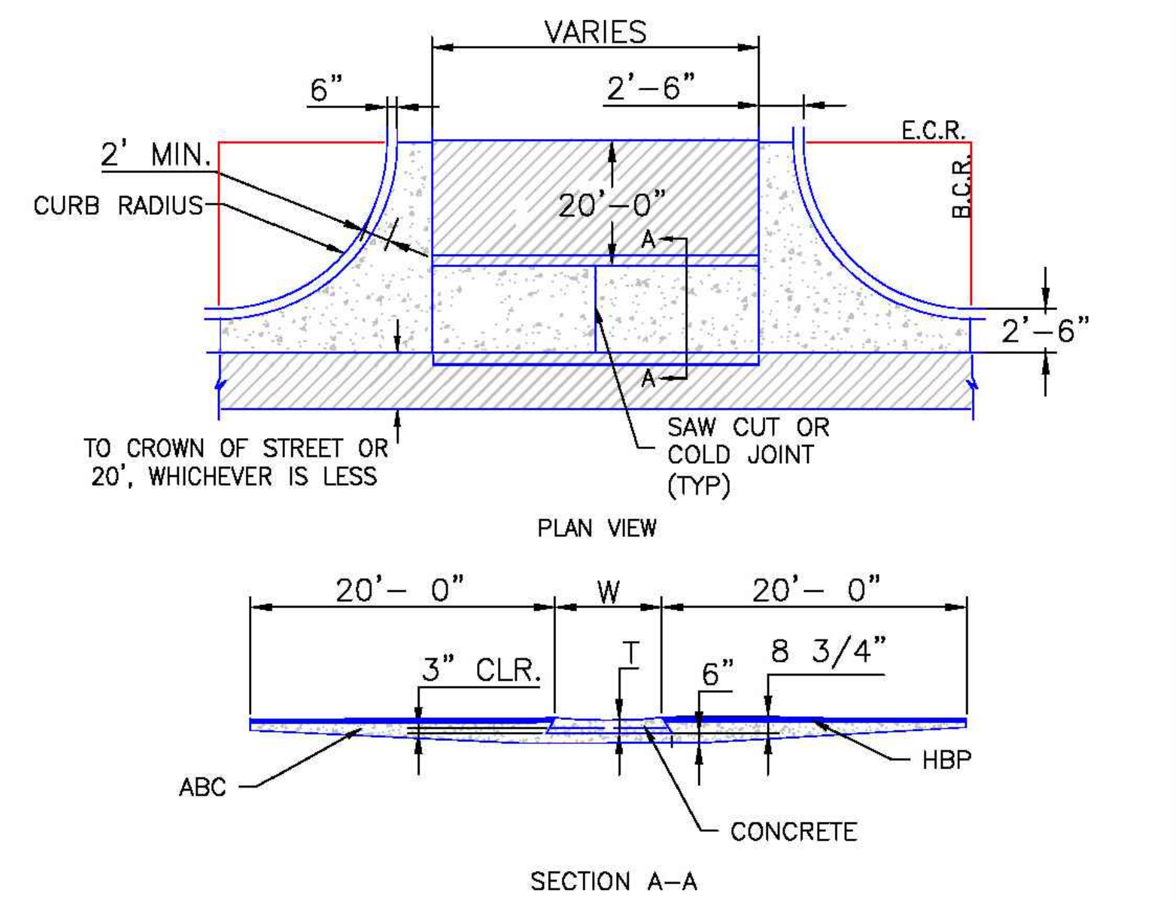
G) For weed control prior to median paving, apply a pre-emergent herbicide to median subgrade area per manufacturer's specifications for paving under Barrier 50 label (pbi Gordon). Trifluralin is labeled for use under asphalt under the Treflan 4EC label (Elanco).

SCALE: NOT TO SCALE

7/9/09
DATE APPROVED:
André P. Brackin
DEPARTMENT OF TRANSPORTATION

Patterned Concrete
Median Paving
Standard Drawing
REVISION DATE: 1/18/11
FILE NAME: SD_2-21

EL PASO COUNTY DEPARTMENT OF TRANSPORTATION


VARIES
6"
2'-6"
2' MIN.
CURB RADIUS
E.C.R.
B.C.R.
20'-0"
A
2'-6"
TO CROWN OF STREET OR 20', WHICHEVER IS LESS
SAW CUT OR COLD JOINT (TYP)
PLAN VIEW
20'- 0"
W
20'- 0"
3" CLR.
T
6"
8 3/4"
ABC
HBP
CONCRETE

SECTION A–A

NOTES

1. W – WIDTH SALL BE 6' FOR LOCAL, 8' FOR COLLECTORS, AND 10' FOR ARTERIAL ROADS.

2. T – SQUARED-OFF RETURN TO BE POURED MONOLITHIC 8" PCC OR 9" FOR COLLECTORS MINIMUM WITH 6x6 – 4.4 W.W.F. OR #4 @ 18 E.W.

2. ▨ = 3" MINIMUM ASPHALT DEPTH (2 LIFTS).

3. DESIGN TO SPECIFY ELEVATIONS AT PI AND PCR

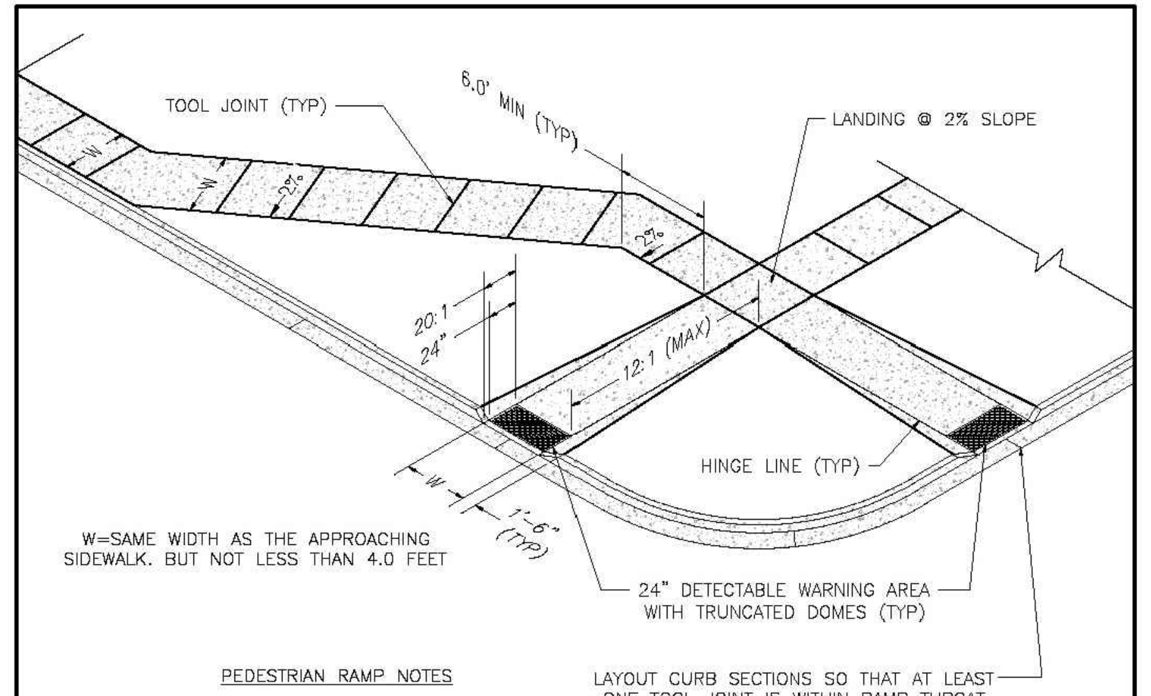
DRAFT

SCALE: NOT TO SCALE

DATE APPROVED:
DEPARTMENT OF TRANSPORTATION

Typical Cross Pan
Layout Detail
Standard Drawing
REVISION DATE: 11/10/04
FILE NAME: SD_2-26

EL PASO COUNTY DEPARTMENT OF TRANSPORTATION


TOOL JOINT (TYP)
6.0' MIN (TYP)
LANDING @ 2% SLOPE
20:1
12:1 (MAX)
HINGE LINE (TYP)
W
1'-6" (TYP)

W=SAME WIDTH AS THE APPROACHING SIDEWALK. BUT NOT LESS THAN 4.0 FEET

24" DETECTABLE WARNING AREA WITH TRUNCATED DOMES (TYP)

LAYOUT CURB SECTIONS SO THAT AT LEAST ONE TOOL JOINT IS WITHIN RAMP THROAT

PEDESTRIAN RAMP NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT ENGINEERING CRITERIA MANUAL AND ADA REQUIREMENTS.
2. CONTRACTOR TO NOTIFY ENGINEERING DIVISION INSPECTION STAFF 48 HOURS PRIOR TO CONCRETE PLACEMENT.
3. PEDESTRIAN RAMP CONSTRUCTION SHALL BE A MINIMUM 3000 PSI CONCRETE, MINIMUM 4" THICK, NON-COLORED, NON-SCORED, COARSE BROOM FINISH.
4. RAMP LOCATION AND LENGTH MAY REQUIRE MODIFICATION TO MAINTAIN THE 12:1 MAXIMUM RUNNING RAMP SLOPE AND 20:1 DETECTABLE WARNING AREA DUE TO STREET INTERSECTION GRADES AND/OR ALIGNMENTS.
5. DETECTABLE WARNING AREA SHALL START A MINIMUM OF 6" BUT NOT MORE THAN 8" FROM THE FLOWLINE OF THE CURB AT ANY POINT.
6. DETECTABLE WARNING AREA SHALL BE PREFABRICATED REDDISH INTEGRALLY COLORED TRUNCATED-DOME SURFACED THERMOPLASTIC.
7. THE DETECTABLE WARNING AREA SHALL BE 24" IN LENGTH AND THE FULL WIDTH OF THE RAMP.
8. RAMP WIDTH REQUIRED IS SAME AS APPROACHING SIDEWALK; 4' MINIMUM.
9. ALL RAMPS WILL BE PERPENDICULAR TO TRAFFIC WITH THE EXCEPTION OF MID-BLOCK OR TERMINAL RAMPS WHICH MAY BE PARALLEL SUBJECT TO APPROVAL.
10. AVOID PLACING DRAINAGE STRUCTURES, TRAFFIC SIGNAL/SIGNAGE, UTILITIES/JUNCTION BOXES, OR OTHER OBSTRUCTIONS WITHIN PROPOSED RAMP AREAS.

GENERAL NOTES

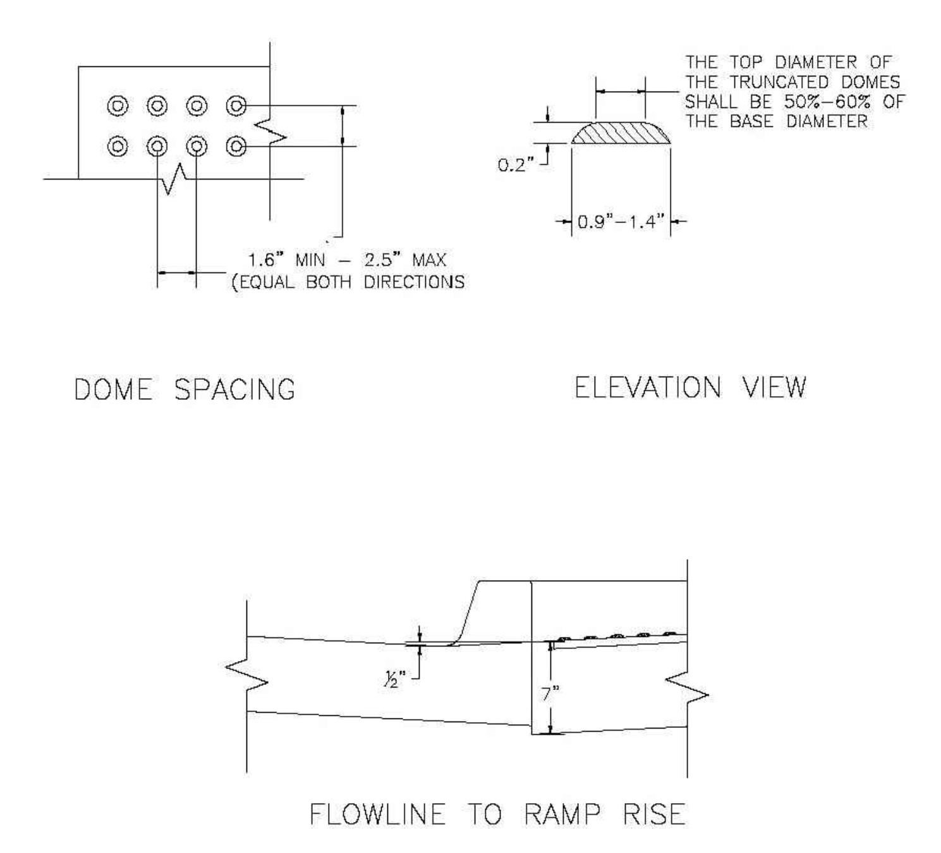
1. WHERE THE 1'-6" FLARED SIDE(S) OF A PERPENDICULAR CURB RAMP IS (ARE) CONTIGUOUS WITH A PEDESTRIAN OR HARD SURFACE AREA, THE MAXIMUM FLARE SLOPE SHALL NOT EXCEED 10:1.
2. PEDESTRIAN WALKWAY AND/OR LOCATION OF EXISTING OR FUTURE PEDESTRIAN RAMPS ON OPPOSITE CORNERS SHALL BE REVIEWED BEFORE CONSTRUCTING NEW RAMPS.
3. AT MARKED PEDESTRIAN CROSSINGS, THE BOTTOM OF THE RAMPS, EXCLUSIVE OF THE FLARE SIDES, SHALL BE TOTALLY CONTAINED WITHIN THE MARKINGS.

1/1/08
DATE APPROVED:
John A. McCarty
DEPARTMENT OF TRANSPORTATION

Pedestrian Intersection
Ramp
Standard Drawing
REVISION DATE: 7/09/07
FILE NAME: SD_2-41

EL PASO COUNTY DEPARTMENT OF TRANSPORTATION

TRUNCATED DOME DETAILS


1.6" MIN – 2.5" MAX (EQUAL BOTH DIRECTIONS
THE TOP DIAMETER OF THE TRUNCATED DOMES SHALL BE 50%–60% OF THE BASE DIAMETER
0.2"
0.9"–1.4"
½"
7"

DOME SPACING

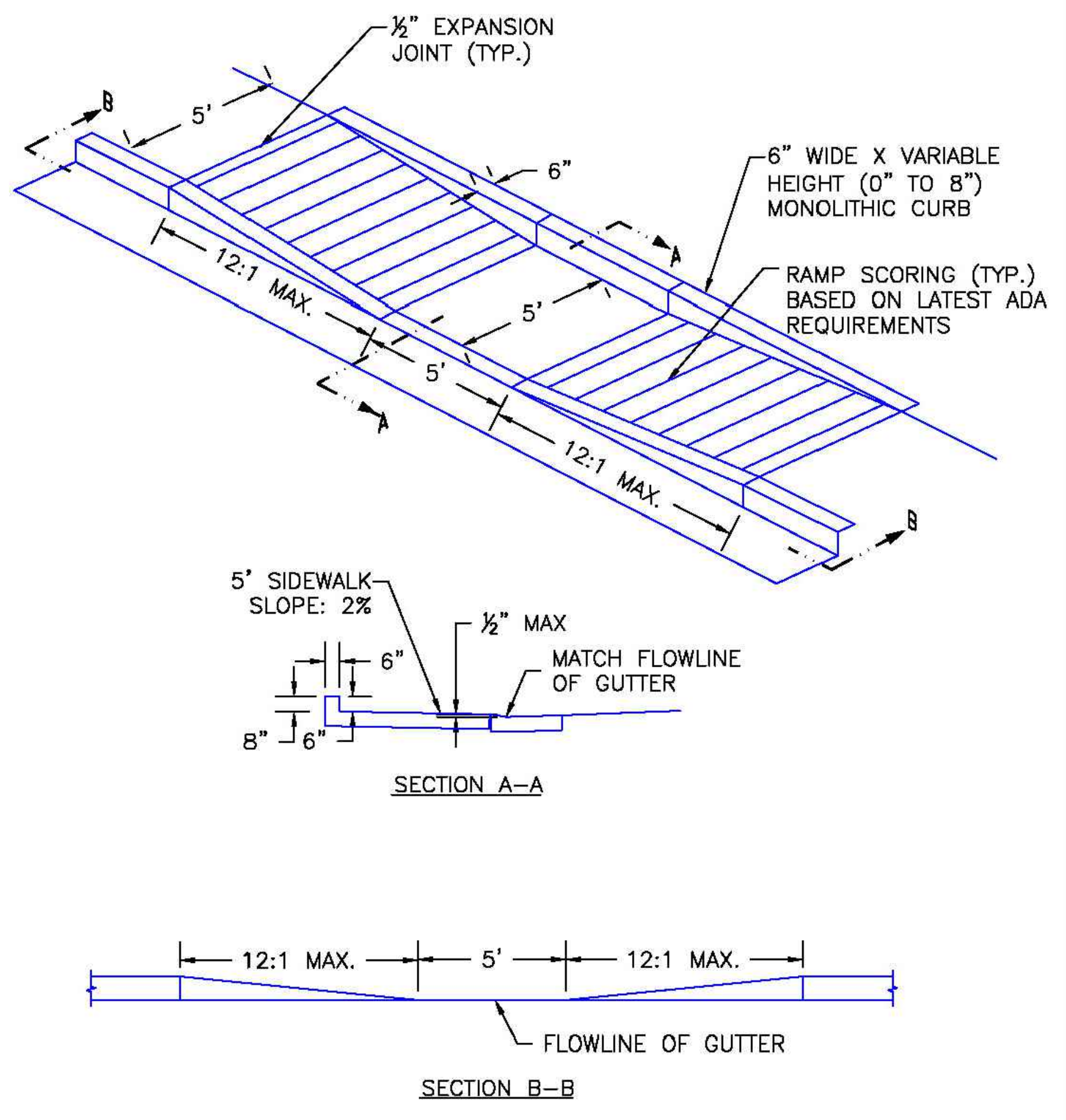
ELEVATION VIEW

FLOWLINE TO RAMP RISE

1/1/08
DATE APPROVED:
John A. McCarty
DEPARTMENT OF TRANSPORTATION

Truncated Dome
Details
Standard Drawing
REVISION DATE: 7/09/07
FILE NAME: SD_2-42

EL PASO COUNTY DEPARTMENT OF TRANSPORTATION


½" EXPANSION JOINT (TYP.)
5'
6"
6" WIDE X VARIABLE HEIGHT (0" TO 8") MONOLITHIC CURB
RAMP SCORING (TYP.) BASED ON LATEST ADA REQUIREMENTS
12:1 MAX.
5'
5'
12:1 MAX.
A
B
5' SIDEWALK SLOPE: 2%
½" MAX
MATCH FLOWLINE OF GUTTER
6"
8"
6"
12:1 MAX.
5'
12:1 MAX.
FLOWLINE OF GUTTER

SECTION A–A

SECTION B–B

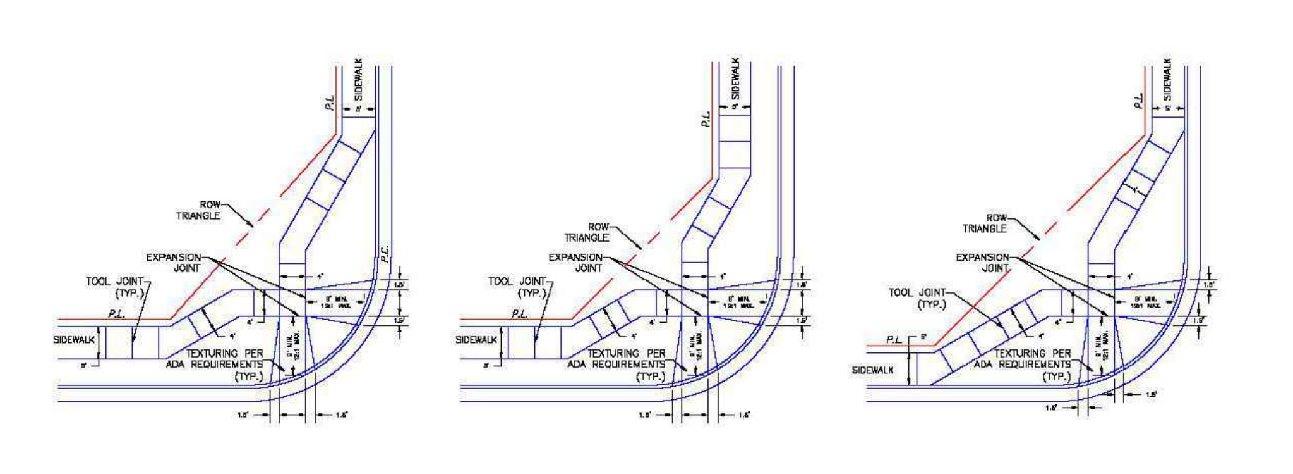
DRAFT

SCALE: NOT TO SCALE

DATE APPROVED:
DEPARTMENT OF TRANSPORTATION

Parallel Pedestrian
Ramp Detail
Standard Drawing
REVISION DATE: 11/10/04
FILE NAME: SD_2-50

EL PASO COUNTY DEPARTMENT OF TRANSPORTATION

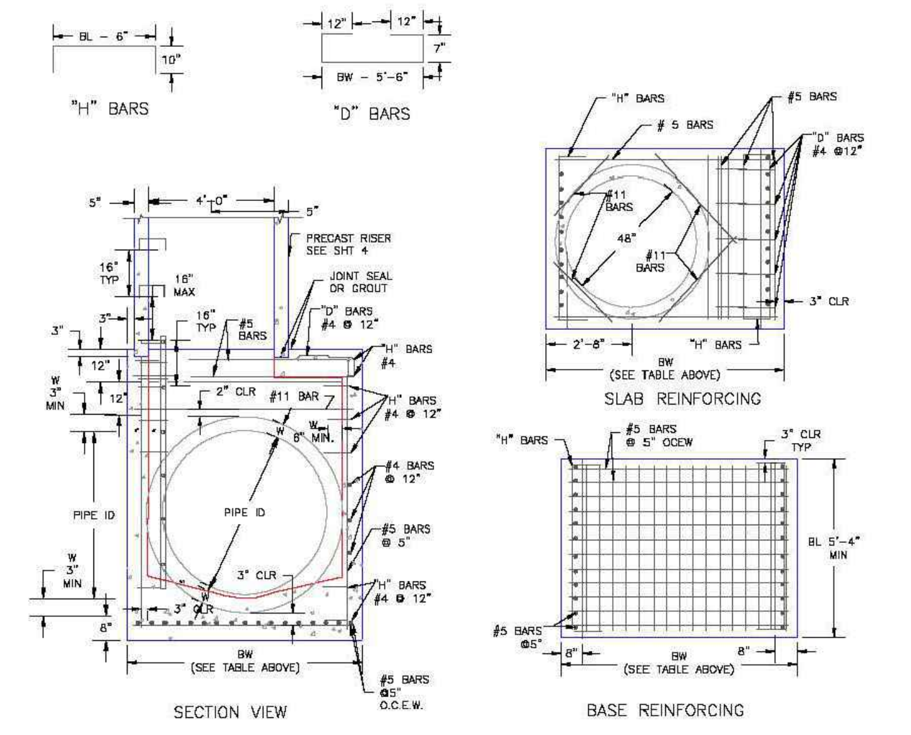

SIDEWALK
TOOL JOINT (TYP)
EXPANSION JOINT
ROW TRIANGLE
FLOWLINE
CURB

SCALE: NOT TO SCALE

9/16/10
DATE APPROVED:
André P. Brackin
DEPARTMENT OF TRANSPORTATION

Pedestrian Intersection
Ramp Detail
Standard Drawing
REVISION DATE: 11/10/04
FILE NAME: SD_2-40

EL PASO COUNTY DEPARTMENT OF TRANSPORTATION


BL – 6"
10"
"H" BARS
12"
12"
7"
BW – 5'-6"
"D" BARS
5"
4'-0"
5"
PRECAST RISER SEE SHT 4
16" TYP
16" MAX
JOINT SEAL OR GROUT
"D" BARS #4 @ 12"
16" TYP
#5 BARS
"H" BARS #4
12"
W 3" MIN
2" CLR
#11 BAR
"H" BARS #4 @ 12"
W 6" MIN.
#4 BARS @ 12"
PIPE ID
#5 BARS @ 5"
3" CLR
"H" BARS #4 @ 12"
3" CLR
8"
BW (SEE TABLE ABOVE)
#5 BARS @5" O.C.E.W.
"H" BARS
# 5 BARS
#5 BARS
"D" BARS #4 @12"
#11 BARS
48"
#11 BARS
3" CLR
2'-8"
BW (SEE TABLE ABOVE)
#5 BARS @ 5" OCEW
3" CLR TYP
BL 5'-4" MIN
#5 BARS @5"
8"
8"

SECTION VIEW

SLAB REINFORCING

BASE REINFORCING

PIPE ID	BW
48" AND SMALLER	6'-4"
54"	6'-10"
60" AND LARGER	OD + 16"

NOTES

1. TYPE I MANHOLE SHALL BE USED WHEN APPROPRIATE AND TYPICALLY FOR PIPE SIZES LARGER THAN 30 INCHES I.D..

2. VIEW AND DETAILS SHOWN ARE TYPICAL FOR STRAIGHT THROUGH DESIGN ONLY. DESIGN ENGINEER SHALL DETERMINE MANHOLE BASE CONFIGURATION AND DIMENSIONS FOR PARTICULAR PIPE SIZES AND ALIGNMENT.

3. EITHER LADDER OR STEPS SHALL BE INSTALLED WHEN MANHOLE DEPTH EXCEEDS 30". LOWEST STEP SHALL BE BE A MAXIMUM OF 16" ABOVE THE FLOOR.

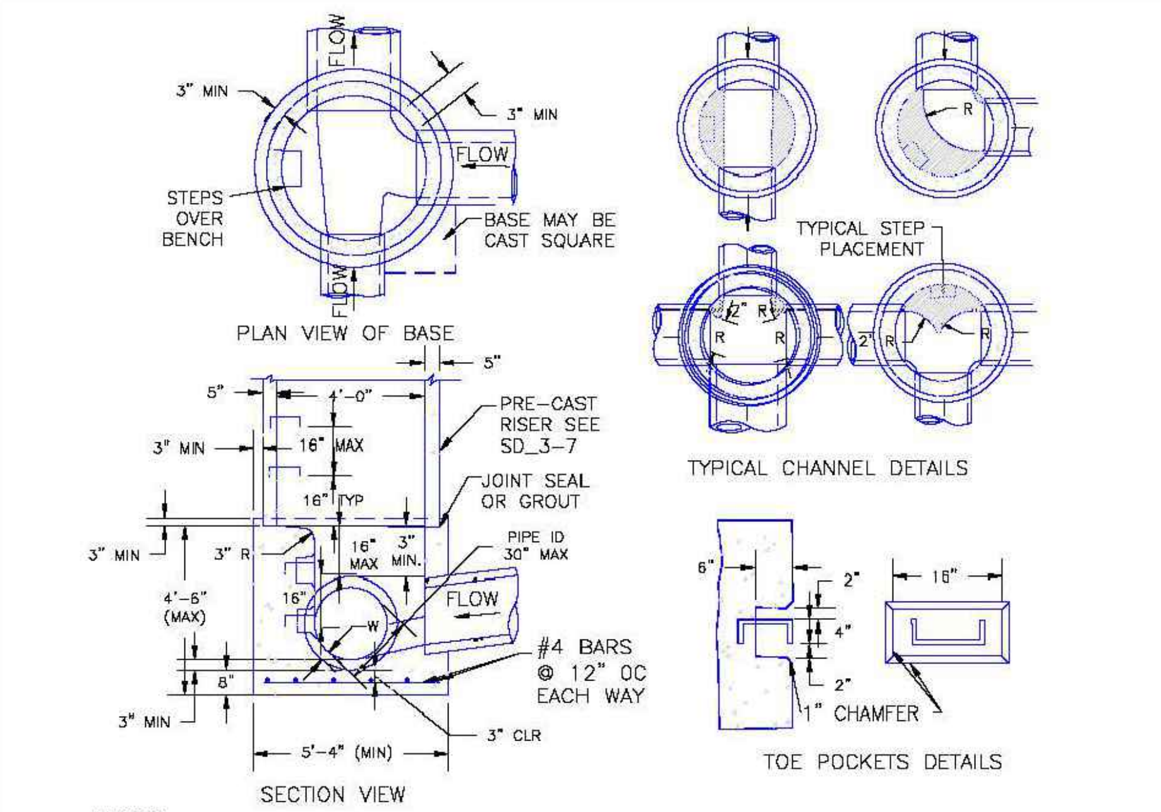
4. FLOOR OF THE MANHOLE SHALL BE TROWELLED TO A SMOOTH, HARD SURFACE AND SHALL SLOPE TOWARDS THE OUTLET (8:1 MAX., ½" PER FT. MIN). FLOOR SHALL BE SHAPED AND CHANNELED; SEE SD_3-2 FOR TYPICAL CHANNEL DETAILS.

SCALE: NOT TO SCALE

7/9/09
DATE APPROVED:
André Brackin
DEPARTMENT OF TRANSPORTATION

Storm Sewer Manhole Detail
Type I
Standard Drawing
REVISION DATE: 7/9/09
FILE NAME: SD_3-1

EL PASO COUNTY DEPARTMENT OF TRANSPORTATION


3" MIN
3" MIN
FLOW
STEPS OVER BENCH
BASE MAY BE CAST SQUARE
TYPICAL STEP PLACEMENT
5"
4'-0"
5"
PRE-CAST RISER SEE SD_3-7
JOINT SEAL OR GROUT
16" MAX
16" TYP
PIPE ID 30" MAX
4'-6" (MAX)
FLOW
#4 BARS @ 12" OC EACH WAY
8"
3" MIN
5'-4" (MIN)
3" CLR
2"
4"
2"
16"
1" CHAMFER

PLAN VIEW OF BASE

TYPICAL CHANNEL DETAILS

SECTION VIEW

TOE POCKETS DETAILS

NOTES

1. TYPE II MANHOLES SHALL BE USED WHEN APPROPRIATE AND TYPICALLY WHEN THE PIPE SIZES ARE 30" OR LESS INSIDE DIAMETER.

2. VIEW AND DETAILS ARE TYPICAL. DESIGN ENGINEER SHALL DETERMINE MANHOLE BASE CONFIGURATION AND DIMENSIONS FOR PARTICULAR PIPE SIZES AND ALIGNMENT.

3. EITHER LADDER OF STEPS SHALL BE INSTALLED WHEN MANHOLE DEPTH EXCEEDS 30". STEPS IN BASE SHALL BE INSTALLED IN "TOE POCKETS" (SEE DETAIL THIS SHEET). LOWEST STEP SHALL BE A MAXIMUM OF 16" ABOVE THE FLOOR.

4. PIPES SHALL BE TRIMMED TO FINAL SHAPE AND SET BEFORE MANHOLE IS POURED.

5. BENCH SHALL BE SLOPED TOWARD CENTER OF MANHOLE BASE (4:1 MAX., ½" PER FOOT. MIN.).

6. FLOOR OF MANHOLE SHALL BE TROWELLED TO A SMOOTH, HARD SURFACE AND SHALL SLOPE TOWARDS THE OUTLET (8:1., ½" PER FT. MIN.) . FLOOR SHALL BE SHAPED AND CHANNELED; SEE DETAILS THIS SHEET.

SCALE: NOT TO SCALE

DATE APPROVED:
André P. Brackin
DEPARTMENT OF TRANSPORTATION

Storm Sewer Manhole Detail
Type II
Standard Drawing
REVISION DATE: 11/10/04
FILE NAME: SD_3-2

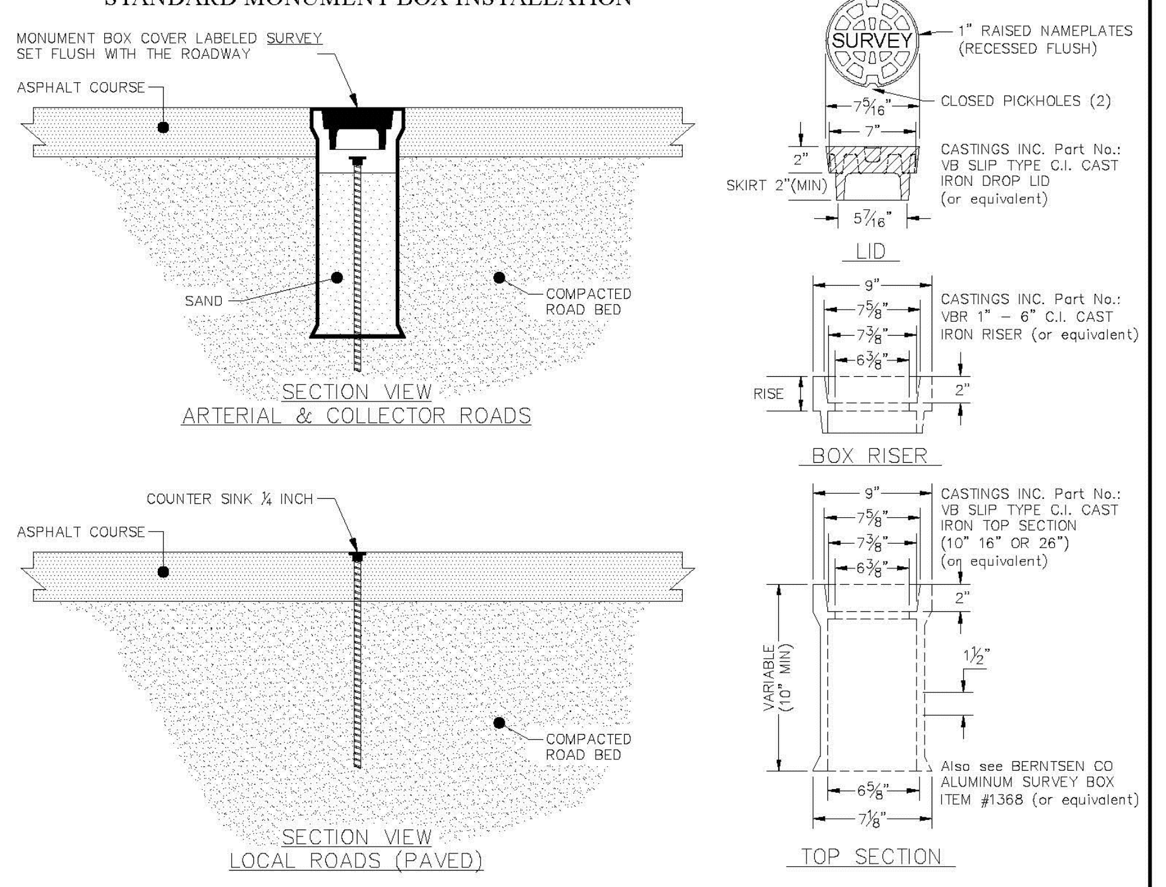
EL PASO COUNTY DEPARTMENT OF TRANSPORTATION

DETAIL A

EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS

TYPICAL ROADWAY MONUMENT INSTALLATION

STANDARD MONUMENT BOX INSTALLATION


MONUMENT BOX COVER LABELED SURVEY SET FLUSH WITH THE ROADWAY
ASPHALT COURSE
SAND
COMPACTED ROAD BED
SECTION VIEW ARTERIAL & COLLECTOR ROADS
COUNTER SINK ¼ INCH
ASPHALT COURSE
COMPACTED ROAD BED
SECTION VIEW LOCAL ROADS (PAVED)
SURVEY
1" RAISED NAMEPLATES (RECESSED FLUSH)
CLOSED PICKHOLES (2)
7 5/16"
7"
2"
SKIRT 2"(MIN)
5 7/16"
CASTINGS INC. Part No.: VB SLIP TYPE C.I. CAST IRON DROP LID (or equivalent)
LID
9"
7 5/8"
7 3/8"
6 3/8"
RISE
2"
CASTINGS INC. Part No.: VBR 1" – 6" C.I. CAST IRON RISER (or equivalent)
BOX RISER
9"
7 5/8"
7 3/8"
6 3/8"
2"
1½"
VARIABLE (10" MIN)
CASTINGS INC. Part No.: VB SLIP TYPE C.I. CAST IRON TOP SECTION (10" 16" OR 26") (or equivalent)
Also see BERNTSEN CO ALUMINUM SURVEY BOX ITEM #1368 (or equivalent)
6 5/8"
7 1/8"
TOP SECTION

STANDARD MONUMENT BOX

Monumentation of Roadways

Aliquot Corners: A metallic pipe or rod possessing a magnetic field and having a minimum outside diameter of ¾ inch (#6 Rebar), a minimum length of 30 inches, and a two-inch minimum diameter durable metallic cap properly marked with PLS No., 3¼ inch cap preferred. (Ref: Bylaws and Rules of The Colorado State Board of Licensure for Architects, Professional Engineers and Professional Land Surveyors, paragraph 6.4) If located within a paved road it is to be installed in a load bearing survey monument box (valve box).

Arterial & Collector Roads: A metallic pipe or rod possessing a magnetic field and having a minimum outside diameter of ⅝ inch (#5 Rebar), a minimum length of 18 inches, and a two-inch minimum diameter durable metallic cap marked with PLS No. (A 2½ inch cap is preferred.) If located within a paved road it is to be installed in load bearing survey monument box (valve box). All centerline intersections, PI's, PC's & PTs to be monumented.

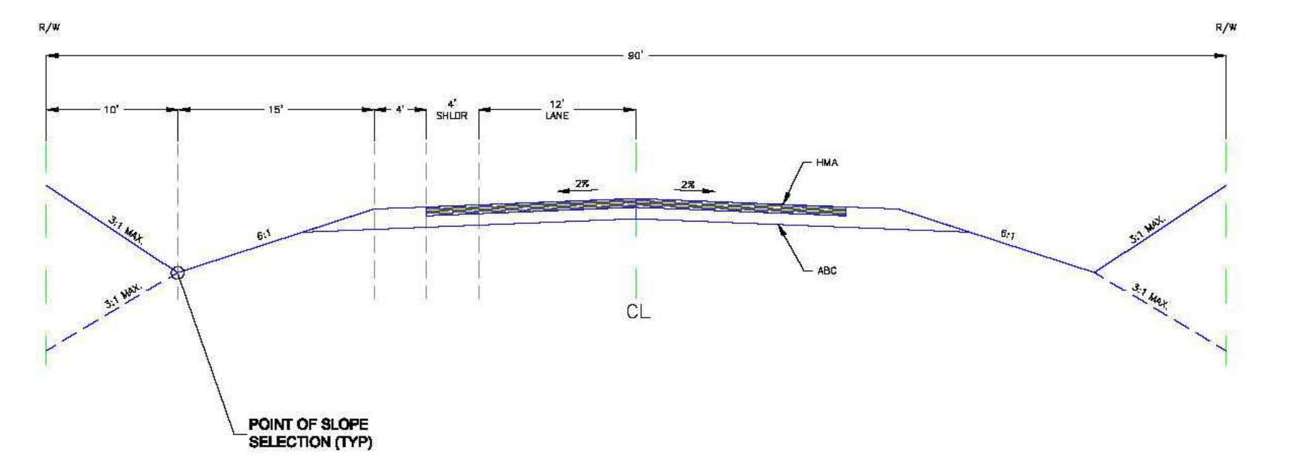
Local Roads (Paved): A metallic pipe or rod possessing a magnetic field and having a minimum outside diameter of ⅝ inch (#5 Rebar), a minimum length of 18 inches, and a two-inch minimum diameter durable metallic cap marked with PLS No. (A 2½ inch cap is preferred.) All centerline intersections, PI's, PC's & PTs are to be monumented and countersunk at least ¼ inch below the roadway surface.

Gravel Roads: Same as Local Roads with corners which fall in the roadbed installed minimum 8 inches below the roadway surface. All centerline intersections, PI's, PC's & PTs to be monumented.

Permanent Easements for the benefit of El Paso County: A metallic pipe or rod possessing a magnetic field and having a minimum outside diameter of ½ inch (#4 Rebar), a minimum length of 18 inches, and a 1½ inch minimum diameter durable metallic cap marked with PLS No.

SCALE: NONE DATE: 01/23/24
DRAWING: Monument Box Detail.dwg BY: SDP

EL PASO COUNTY
DEPARTMENT OF PUBLIC WORKS


R/W
R/W
90'
10'
15'
4'
4' SHLDR
12' LANE
HMA
2%
2%
3:1 MAX.
6:1
6:1
3:1 MAX.
3:1 MAX.
3:1 MAX.
ABC
CL
POINT OF SLOPE SELECTION (TYP)

Roadway Design Parameters
Design Speed: 50 mph
Posted Speed: 45 mph
Maximum ADT: 3,000
Design Vehicle: WB-67

SCALE: NOT TO SCALE

12/31/05
DATE APPROVED:
John A. McCarty
DEPARTMENT OF TRANSPORTATION

Rural Major Collector Roadway
Standard Cross Section
REVISION DATE: 12/22/05
FILE NAME: SD_2-13

EL PASO COUNTY DEPARTMENT OF TRANSPORTATION

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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

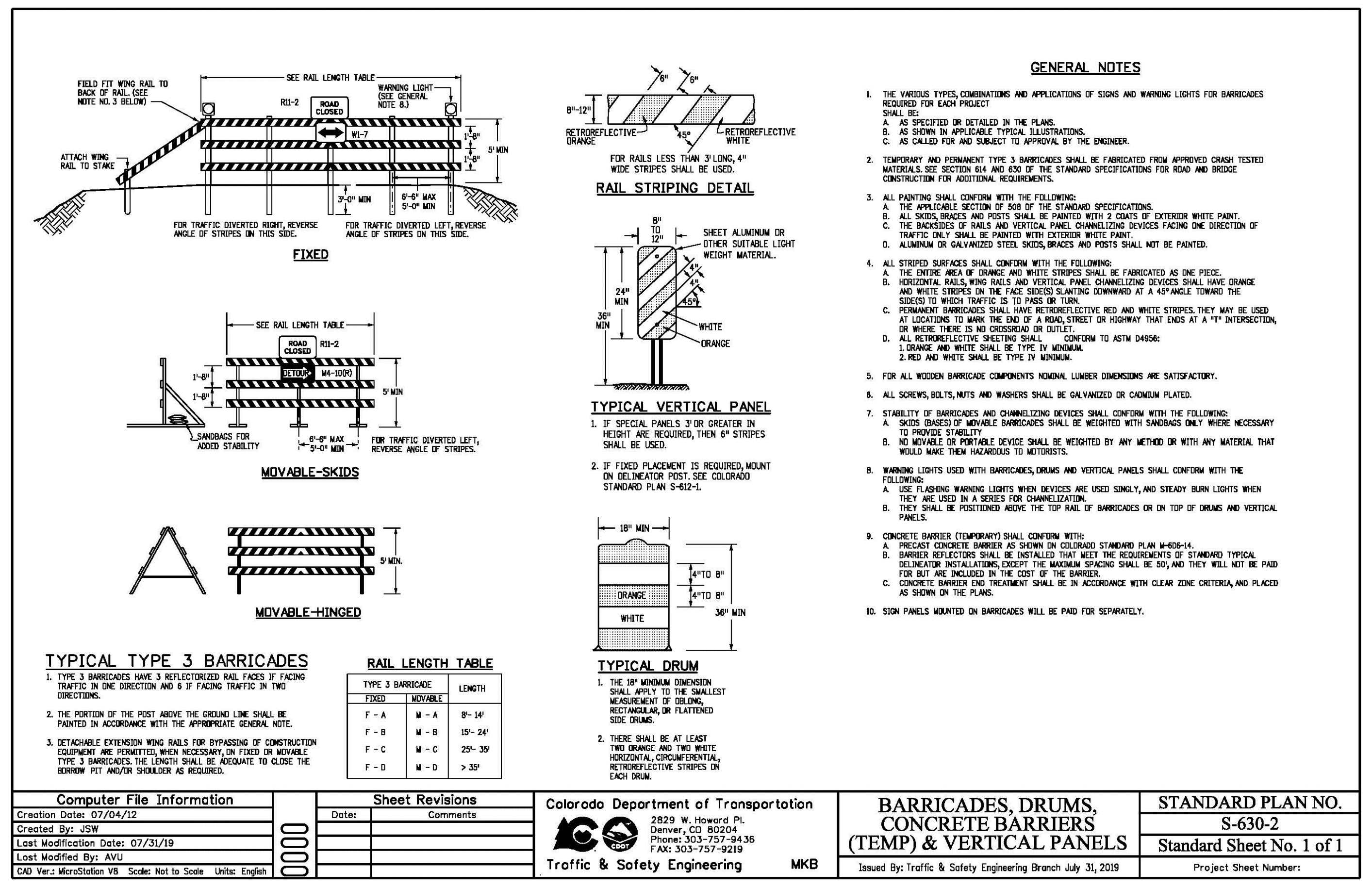
PREPARE
NOT FOR CONSTRUCTION
RAYMO

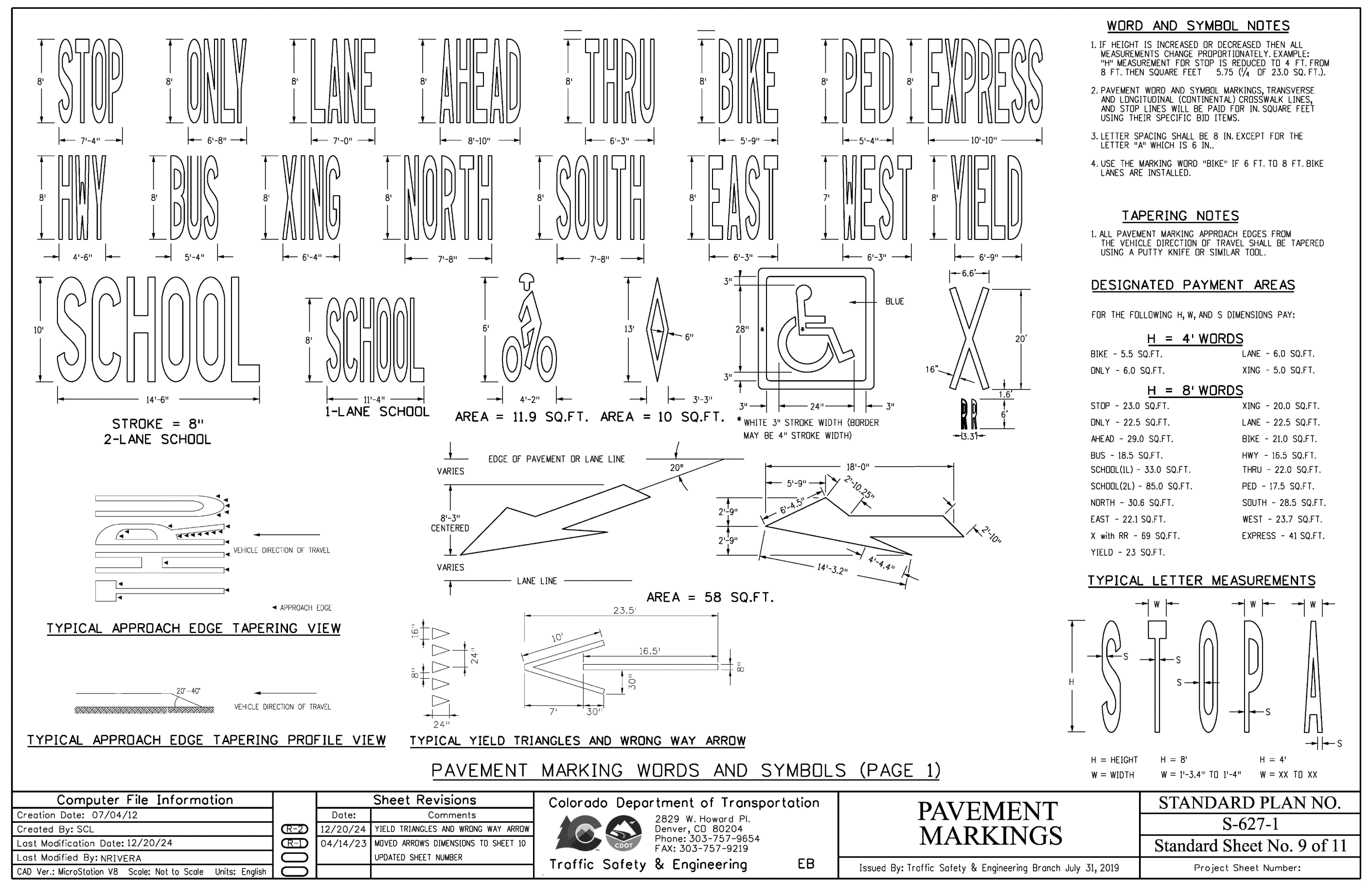
PRC ENGINEERING
1685 W. UINTAH STREET, SUITE 114
COLORADO SPRINGS, CO 80904
(719) 291-2744

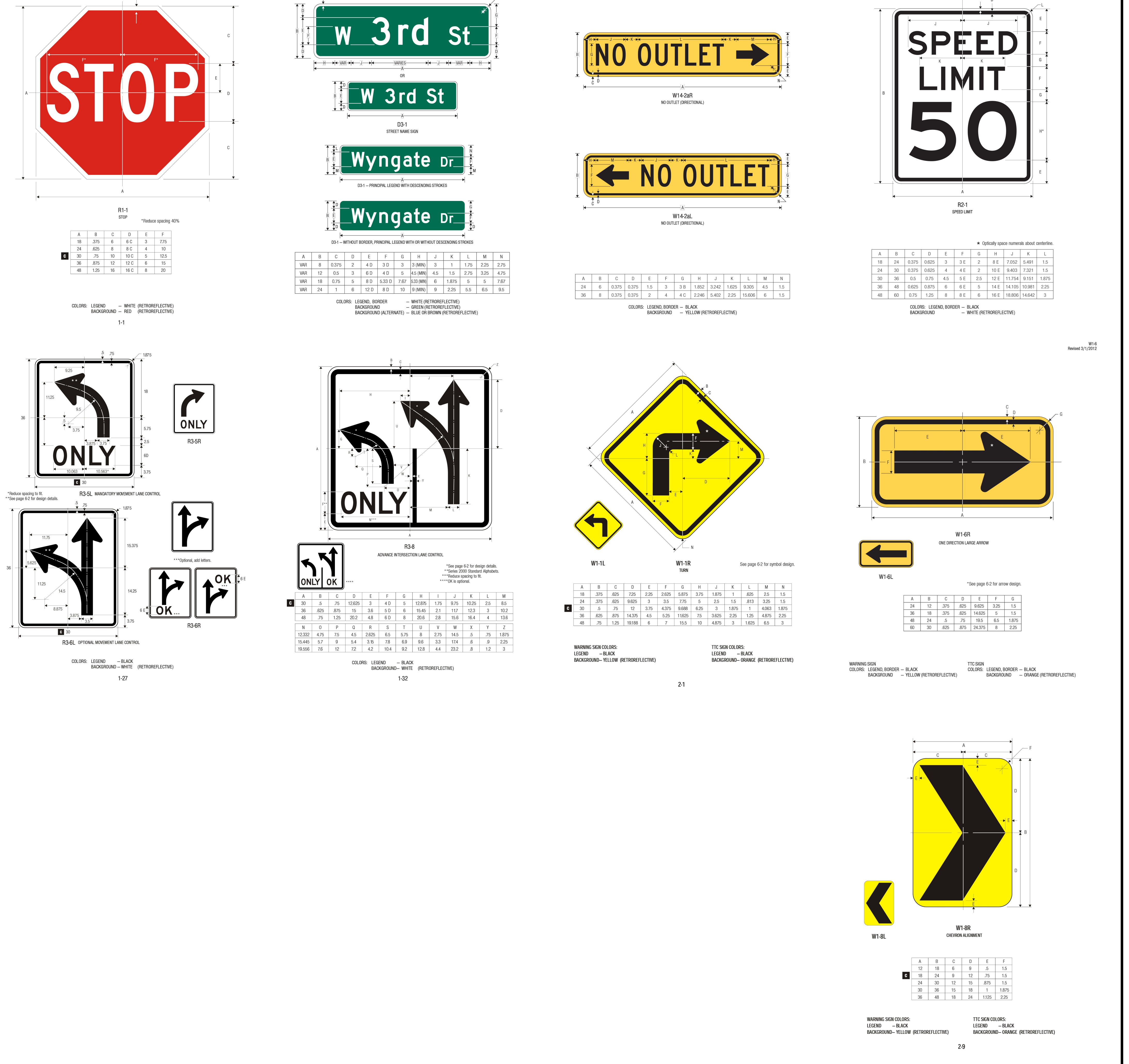
MONUMENT RIDGE EAST
FILING NO. 1

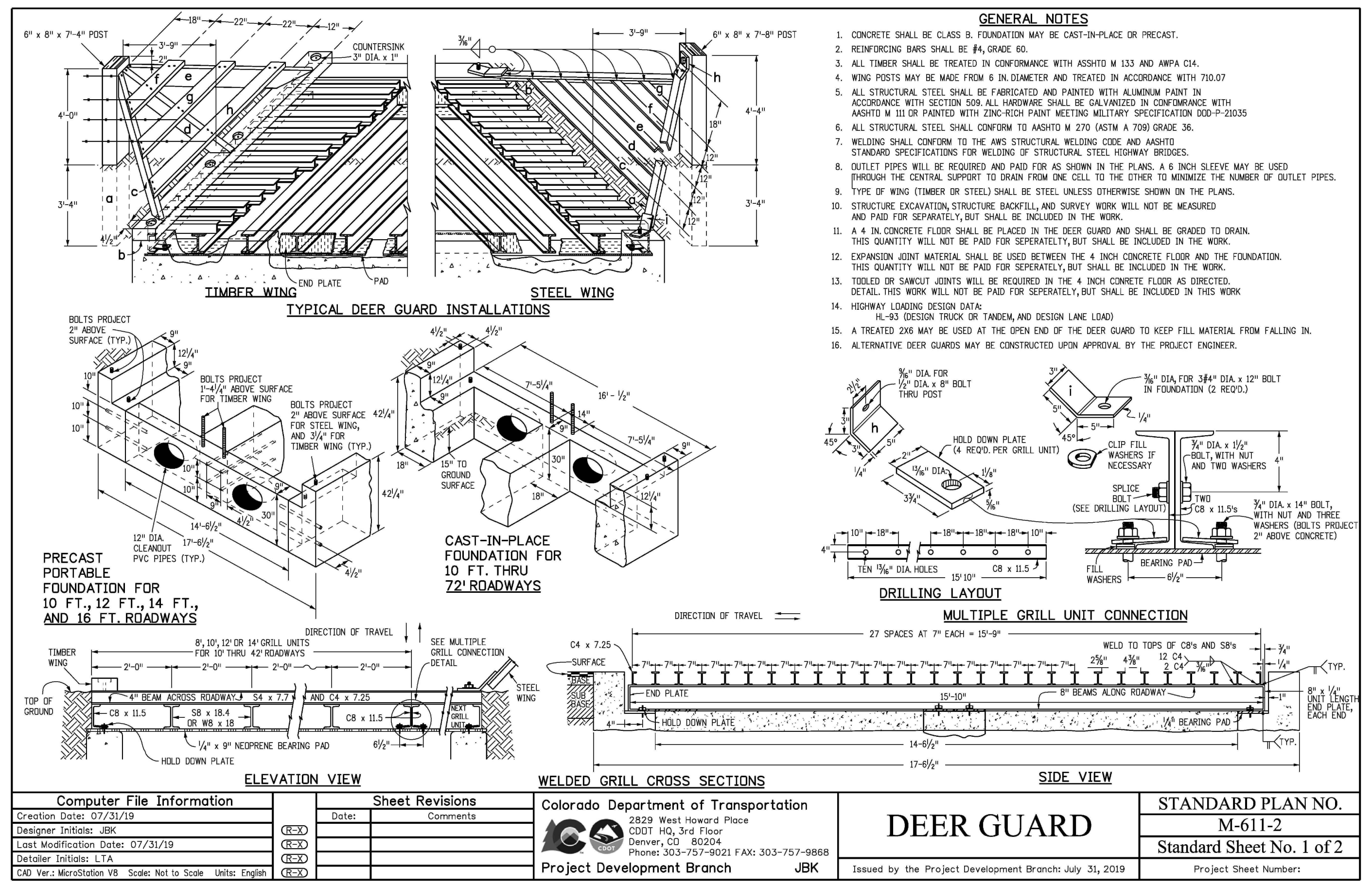
DETAILS

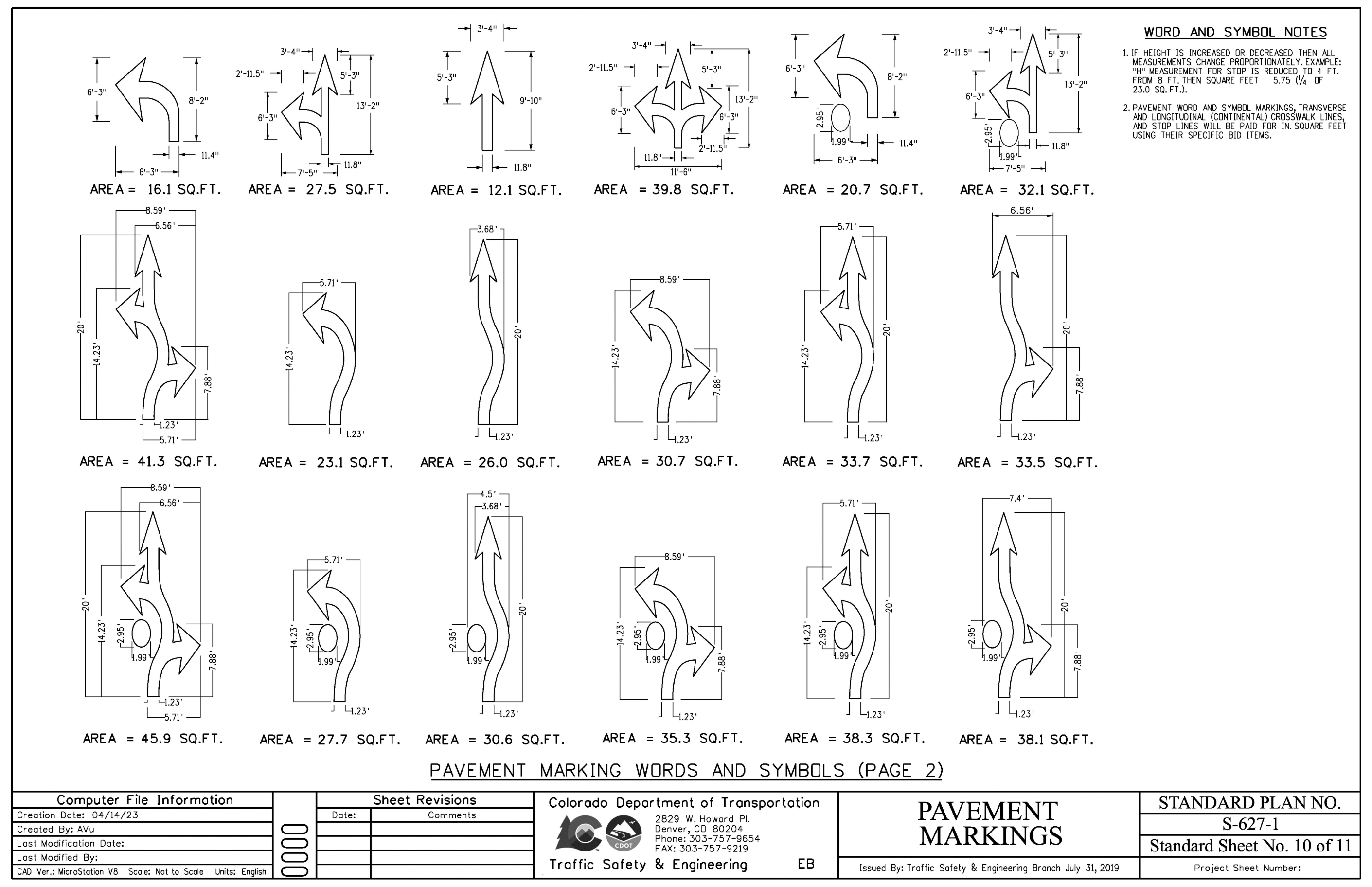
SCALE: N/A
DRAWN BY: MGP
DATE: 04/08/25
JOB NUMBER: 24-001
SHEET: 28 OF 29

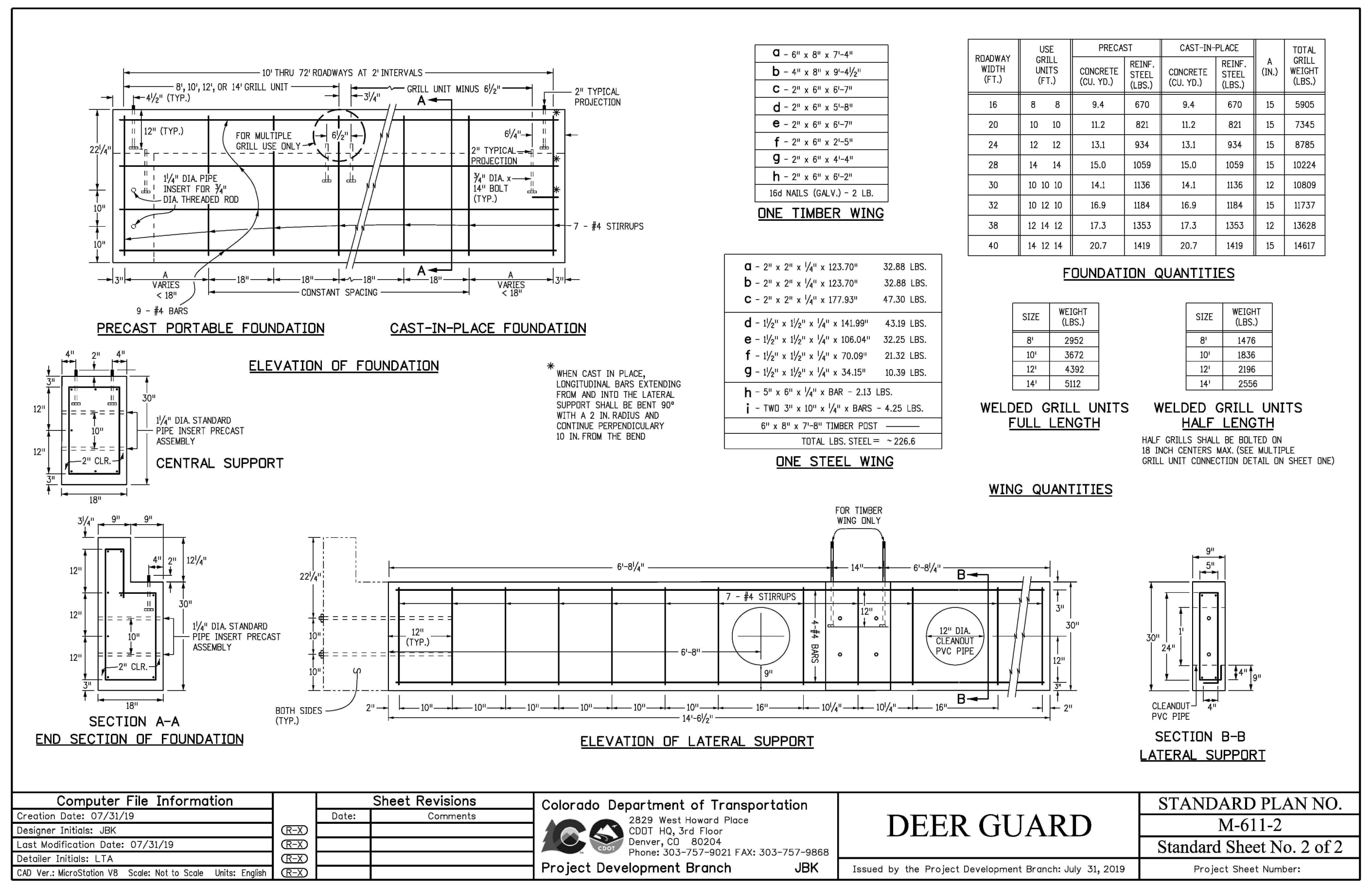

GENERAL NOTES
FIXED
MOVABLE-SKIDS
MOVABLE-HINGED
RAIL STRIPING DETAIL
TYPICAL VERTICAL PANEL
TYPICAL DRUM
TYPICAL TYPE 3 BARRICADES
RAIL LENGTH TABLE
Colorado Department of Transportation
Traffic & Safety Engineering
BARRICADES, DRUMS, CONCRETE BARRIERS (TEMP) & VERTICAL PANELS
STANDARD PLAN NO.
S-630-2
Standard Sheet No. 1 of 1

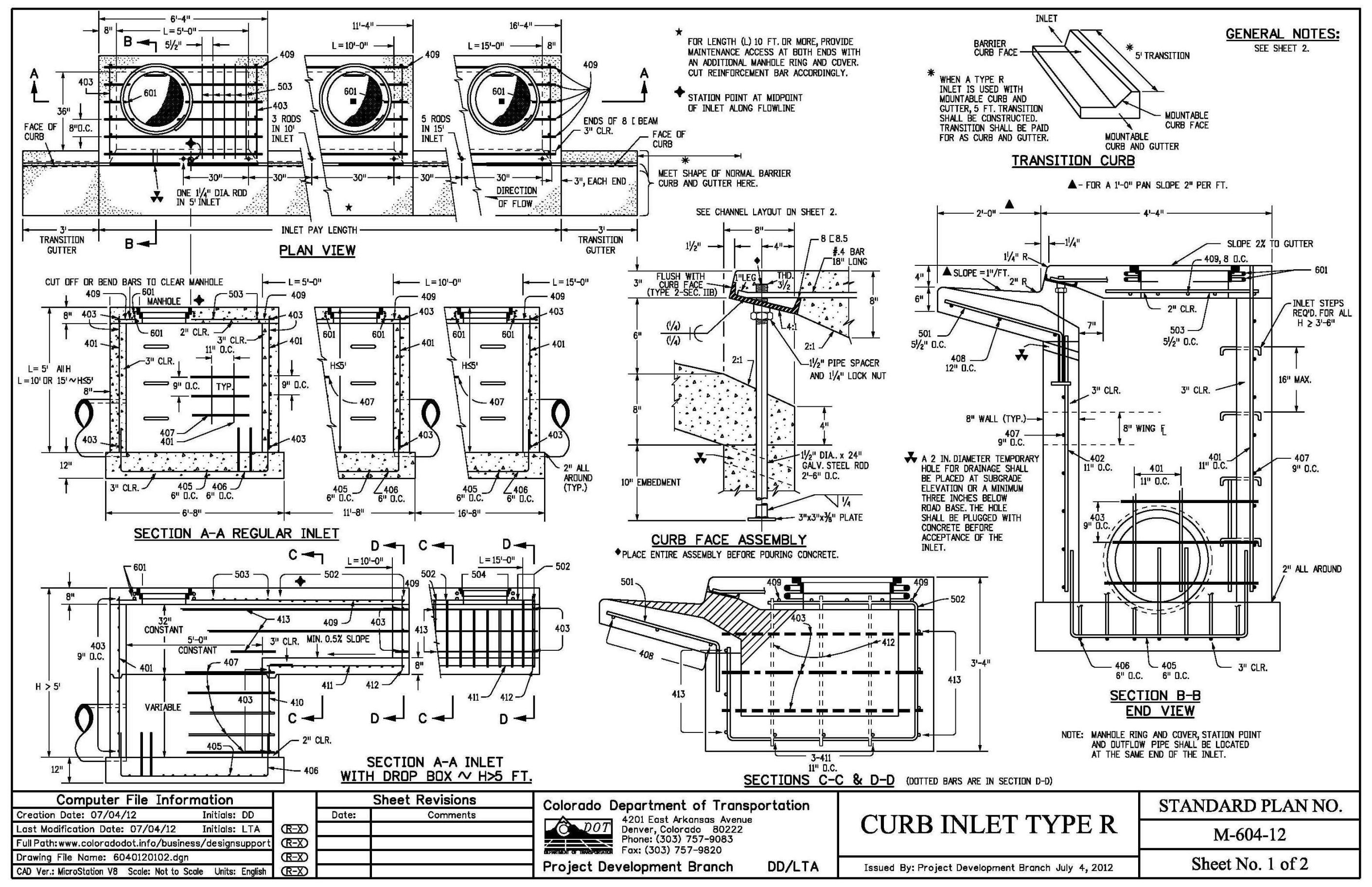

STOP ONLY LANE AHEAD THRU BIKE PED EXPRESS
HWY BUS XING NORTH SOUTH EAST WEST YIELD
SCHOOL
WORD AND SYMBOL NOTES
TAPERING NOTES
DESIGNATED PAYMENT AREAS
TYPICAL LETTER MEASUREMENTS
TYPICAL APPROACH EDGE TAPERING VIEW
TYPICAL APPROACH EDGE TAPERING PROFILE VIEW
TYPICAL YIELD TRIANGLES AND WRONG WAY ARROW
PAVEMENT MARKING WORDS AND SYMBOLS (PAGE 1)
Colorado Department of Transportation
Traffic Safety & Engineering
PAVEMENT MARKINGS
STANDARD PLAN NO.
S-627-1
Standard Sheet No. 9 of 11

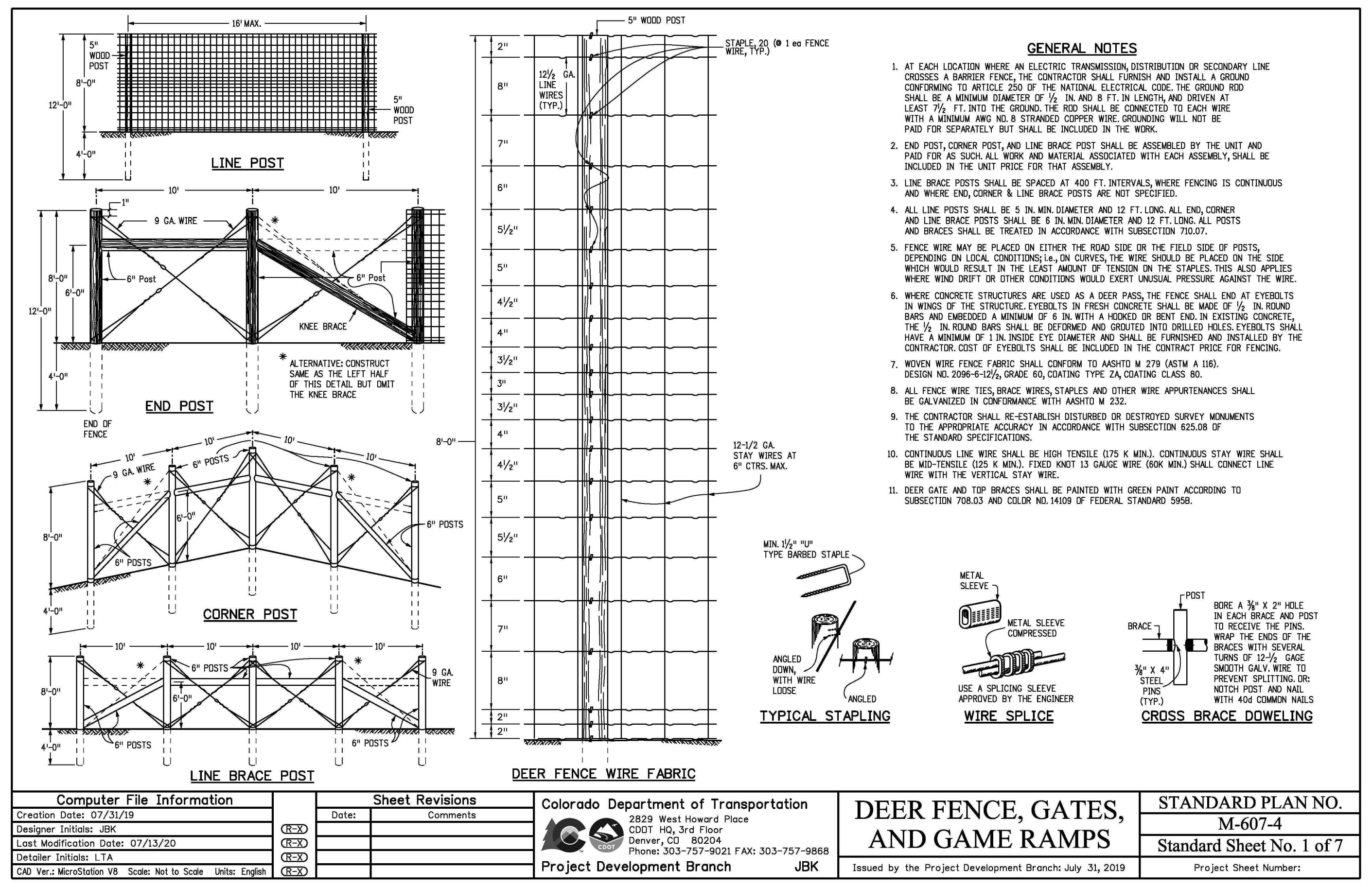

STOP
R1-1
W 3rd St
W 3rd St
D3-1
Wyngate Dr
Wyngate Dr
NO OUTLET
W14-2aR
NO OUTLET
W14-2aL
SPEED LIMIT 50
R2-1
ONLY
R3-5R
ONLY
R3-6R
ONLY
R3-8
OK
W1-1L
W1-3
W1-6R
W1-6L
W1-8R
W1-8L


GENERAL NOTES
TIMBER WING
STEEL WING
TYPICAL DEER GUARD INSTALLATIONS
PRECAST PORTABLE FOUNDATION FOR 10 FT.,12 FT.,14 FT., AND 16 FT. ROADWAYS
CAST-IN-PLACE FOUNDATION FOR 10 FT. THRU 72' ROADWAYS
DRILLING LAYOUT
MULTIPLE GRILL UNIT CONNECTION
ELEVATION VIEW
WELDED GRILL CROSS SECTIONS
SIDE VIEW
Colorado Department of Transportation
Project Development Branch
DEER GUARD
STANDARD PLAN NO.
M-611-2
Standard Sheet No. 1 of 2


WORD AND SYMBOL NOTES
AREA = 16.1 SQ.FT.
AREA = 27.5 SQ.FT.
AREA = 12.1 SQ.FT.
AREA = 39.8 SQ.FT.
AREA = 20.7 SQ.FT.
AREA = 32.1 SQ.FT.
AREA = 41.3 SQ.FT.
AREA = 23.1 SQ.FT.
AREA = 26.0 SQ.FT.
AREA = 30.7 SQ.FT.
AREA = 33.7 SQ.FT.
AREA = 33.5 SQ.FT.
AREA = 45.9 SQ.FT.
AREA = 27.7 SQ.FT.
AREA = 30.6 SQ.FT.
AREA = 35.3 SQ.FT.
AREA = 38.3 SQ.FT.
AREA = 38.1 SQ.FT.
PAVEMENT MARKING WORDS AND SYMBOLS (PAGE 2)
Colorado Department of Transportation
Traffic Safety & Engineering
PAVEMENT MARKINGS
STANDARD PLAN NO.
S-627-1
Standard Sheet No. 10 of 11


PRECAST PORTABLE FOUNDATION
CAST-IN-PLACE FOUNDATION
ELEVATION OF FOUNDATION
ONE TIMBER WING
ONE STEEL WING
FOUNDATION QUANTITIES
WELDED GRILL UNITS FULL LENGTH
WELDED GRILL UNITS HALF LENGTH
WING QUANTITIES
CENTRAL SUPPORT
SECTION A-A
END SECTION OF FOUNDATION
ELEVATION OF LATERAL SUPPORT
SECTION B-B LATERAL SUPPORT
Colorado Department of Transportation
Project Development Branch
DEER GUARD
STANDARD PLAN NO.
M-611-2
Standard Sheet No. 2 of 2


GENERAL NOTES:
TRANSITION CURB
PLAN VIEW
SECTION A-A REGULAR INLET
CURB FACE ASSEMBLY
SECTION B-B
END VIEW
SECTION A-A INLET WITH DROP BOX ≠ HOG FT.
SECTIONS C-C & D-D
Colorado Department of Transportation
Project Development Branch
CURB INLET TYPE R
STANDARD PLAN NO.
M-604-12
Sheet No. 1 of 2


GENERAL NOTES
LINE POST
END POST
CORNER POST
LINE BRACE POST
DEER FENCE WIRE FABRIC
TYPICAL STAPLING
WIRE SPLICE
CROSS BRACE DOWELING
Colorado Department of Transportation
Project Development Branch
DEER FENCE, GATES, AND GAME RAMPS
STANDARD PLAN NO.
M-607-4
Standard Sheet No. 1 of 7

REV.	DESCRIPTION	DATE
1	ADDRESS AGENCY COMMENTS	11/04/25
2	ADDRESS AGENCY COMMENTS	12/31/25
3	ADDRESS AGENCY COMMENTS	04/08/26
4	ADDRESS AGENCY COMMENTS	05/11/26
5	ADDRESS AGENCY COMMENTS	06/24/26

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

MONUMENT RIDGE EAST
FILING NO. 1

DETAILS

SCALE: N/A
DRAWN BY: MGP
DATE: 04/08/25
JOB NUMBER: 24-001
SHEET: 29 OF 29

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