

PROJECT CONTACTS

OWNER
MEADOWLAKE DEVELOPMENTS, LLC
PO BOX 1385
COLORADO SPRINGS, CO 80901
ATTN: KEVIN O'NEIL, MANAGING MEMBER

DEVELOPER
MEADOWLAKE DEVELOPMENTS, LLC
PO BOX 1385
COLORADO SPRINGS, CO 80901
ATTN: KEVIN O'NEIL, MANAGING MEMBER

APPLICANT
VERTEX CONSULTING
455 PIKES PEAK AVE SUITE 101
COLORADO SPRINGS, CO 80903
TELE: (719) 733-8605
ATTN: NINA RUIZ
EMAIL: NINA.RUIZ@VERTEXCOS.COM

CIVIL ENGINEER
HR GREEN
1975 RESEARCH PKWY SUITE 230
COLORADO SPRINGS, CO 80921
TELE: (719) 300-4140
ATTN: COLLEEN MONAHAN, P.E., LEED AP
EMAIL: CMONAHAN@HRCGREEN.COM

AGENCY
EL PASO COUNTY PCD ENGINEERING DIVISION
2880 INTERNATIONAL CIRCLE SUITE 110
COLORADO SPRINGS, CO 80910
TELE: (719) 634-3751
ATTN: LUPE PACKMAN

SURVEYOR
SMH CONSULTANTS
411 S TEJON ST #1
COLORADO SPRINGS, CO 80903
TELE: (719) 465-2145
ATTN: BRETT LOUK
EMAIL: -BLOUK@SMHCONSULTANTS.COM

BENCHMARK

THE BENCHMARK FOR THIS TOPOGRAPHICAL MAP is
1/2"x24" REBAR W/ PLS38374 CAP SET

BASIS OF BEARING

THE BASIS OF BEARING IS THE THE EAST LINE OF
SECTION 9, T13S, R64W, BEING ASSUMED S 00°06'00" W,
5273.84'.

NOTE: CONTRACTOR SHALL PROTECT ALL EXISTING
SURVEY MONUMENTATION. CONTRACTOR SHALL HAVE
LICENSED SURVEYOR REPLACE ANY DAMAGED OR
DISTURBED MONUMENTATION AT THEIR COST.

NOTE: SURVEYOR TO OBTAIN AUTOCAD FILE FROM
ENGINEER AND VERIFY ALL HORIZONTAL CONTROL
DIMENSIONING PRIOR TO CONSTRUCTION STAKING.
SURVEYOR MUST VERIFY ALL BENCHMARK, BASIS OF
BEARING AND DATUM INFORMATION TO ENSURE
IMPROVEMENTS WILL BE AT THE SAME HORIZONTAL
AND VERTICAL LOCATIONS SHOWN ON THE DESIGN
CONSTRUCTION DRAWINGS. PRIOR TO CONSTRUCTION
STAKING ANY DISCREPANCY MUST BE REPORTED TO
OWNER AND ENGINEER PRIOR TO CONTINUATION OF
ANY FURTHER STAKING OR CONSTRUCTION WORK.

EL PASO COUNTY SIGNAGE & STRIPING NOTES:

- ALL SIGNS AND PAVEMENTS MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 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.
- ANY DEVIATION FORM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
- 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.
- STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
- ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
- 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 NO RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD "STANDARD HIGHWAY SIGNS".
- ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
- ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75"x1.75" 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.
- ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
- 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. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALK LINES SHALL BE 12" WIDE AND 8' LONG PER CDOT S-627-1.
- ALL LONGITUDINAL LINES SHALL BE A MINIMUM 15 MIL THICKNESS EPOXY PAINT.
- ALL NON-LOCAL RESIDENTIAL ROADWAYS SHALL INCLUDE BOTH RIGHT AND LEFT EDGE LINE STRIPING AND ANY ADDITIONAL STRIPING AS REQUIRED BY CDOT S-627-1.
- THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (719.520.6819) PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
- THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (DPW) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AND EXISTING EL PASO COUNTY ROADWAY.

MEADOW LAKE INDUSTRIAL FILING NO. 1
PRELIMINARY CONSTRUCTION DOCUMENTS

A PART OF THE EAST HALF OF SECTION 9, TOWNSHIP 13 SOUTH,
RANGE 64 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
COUNTY OF EL PASO, STATE OF COLORADO



SHEET INDEX

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- 2 - LEGEND & TYPICAL SECTIONS
- 3 - GEC - INTERIM-FINAL PLAN
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- 17-22 - INTERSECTION GRADING
- 23 - SIGNAGE & STRIPING PLAN
- 24-27 - STORM PLAN & PROFILE
- 28 - POND A - GRADING PLAN
- 29 - POND A - FOREBAY DETAILS
- 30-31 - POND A - OUTLET STRUCTURE
- 32 - POND B - GRADING PLAN
- 33 - POND B - FOREBAY DETAILS
- 34-35 - POND B - OUTLET STRUCTURE

DESIGN ENGINEER'S 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.

COLLEEN MONAHAN, COLORADO P.E. NO. 0056067 DATE

OWNER/DEVELOPER'S STATEMENT:

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

KEVIN O'NEIL DATE
MEADOWLAKE DEVELOPMENTS, LLC

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 DIRECTORS DISCRETION.

JOSHUA PALMER P.E. DATE
COUNTY ENGINEER

DRAWN BY: DLH JOB DATE: 8/25/2023
APPROVED: CM JOB NUMBER: 2202774
CAD DATE: 8/25/2023
CAD FILE: J:\2022\2202774\CAD\DWG\IC\CDI\Cover

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ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION



HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS, CO 80920
PHONE: 719.384.2440
FAX: 713.965.0044

MEADOW LAKE INDUSTRIAL FILING NO. 1
MEADOWLAKE DEVELOPMENTS, LLC
EL PASO COUNTY, CO

COVER & NOTES
COVER

SHEET
CV

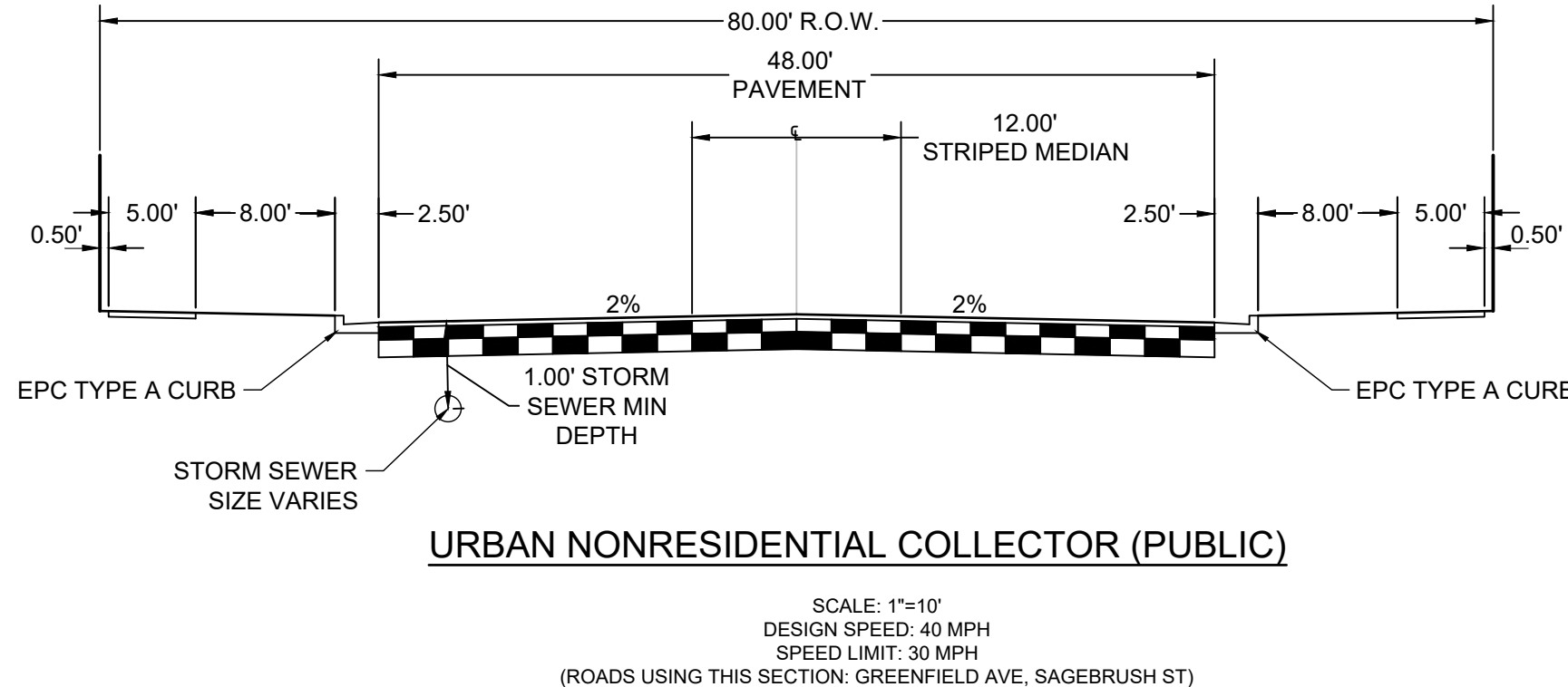
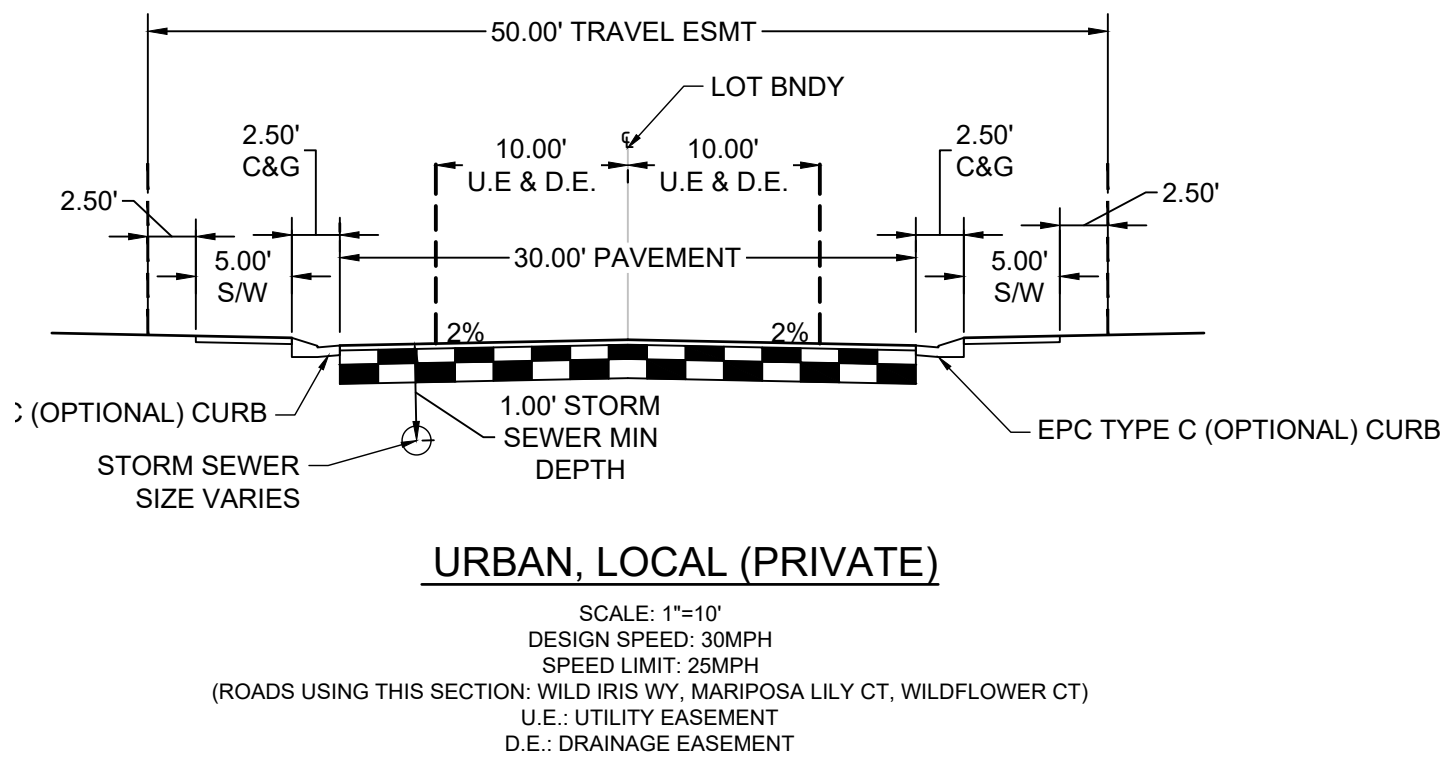
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LEGEND

	EXISTING	PROPOSED		EXISTING	PROPOSED
MATCH LINE			STORM SEWER		
PHASE LINE			MANHOLE		
SECTION LINE			STORM INLET		
PROPERTY BOUNDARY			FLARED END SECTION		
PROPERTY LINE			RIPRAP		
EASEMENT LINE					
RIGHT OF WAY			SANITARY SEWER		
CENTERLINE			CLEAN OUT		
CHAIN LINK FENCE			MANHOLE		
WOODEN FENCE			PLUG		
SPLIT RAIL-SAFETY FENCE					
GUARDRAIL			WATER		
CABLE TV			FIRE HYDRANT		
U.G. ELECTRIC			FIRE DEPT. CONNECTION		
OVERHEAD ELECTRIC			GATE VALVE		
FIBER OPTIC			MANHOLE		
GAS MAIN			METER		
SANITARY SEWER			TEE		
STORM DRAIN			REDUCER		
TELEPHONE					
WATER MAIN					
SWALE					
TRAIL					
CURB & GUTTER					
DRAINAGE BASIN					
INDEX CONTOUR					
INTER. CONTOUR					
100-YR FLOODPLAIN					
FLOODWAY					
EDGE OF WETLANDS					
DRAINAGE					
DRAINAGE BASIN					
BASIN TAG					
DESIGN POINT					

ABBREVIATIONS

Δ	DEFLECTION ANGLE	FOC	FIBER OPTICS CABLE
φ, DIA	DIAMETER	FT	FOOT OR FEET
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	CB	GRADE BREAK
ABC	ASPHALT BASE COURSE	GAL	GALLON
ABD	ABANDONED	HDPE	HIGH DENSITY POLYETHYLENE
AC	ACRE	HC RAMP	HANDICAP RAMP
ADA	THE AMERICANS WITH DISABILITIES ACT	HW	HEADWALL
ASPH	ASPHALT	INV	INVERT
ASS'Y	ASSEMBLY	KM	KILOMETER
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	L	LENGTH
BFE	BASE FLOOD ELEVATION	LF	LINEAR FEET
BLDG	BUILDING	M	METER
BLVD	BOULEVARD	MIN	MINIMUM
BM	BENCH MARK	MISC	MISCELLANEOUS
BNDY	BOUNDARY	MAINT	MAINTENANCE
BOP	BOTTOM OF POND	MAX	MAXIMUM
BW	BOTTOM OF WALL	MH	MANHOLE
C&G	CURB AND GUTTER	MP	MIDPOINT
CA	COARSE AGGREGATE	N	NORTH/NORTHING
CATV	CABLE TELEVISION	NO	NUMBER
CB	CHORD BEARING/CATCH BASIN	OC	ON CENTER
CFS	CUBIC FEET PER SECOND	OH	OVERHEAD
CIP	CAST IRON PIPE	PB	PUBLIC
CL	CENTER LINE	PC	POINT OF CURVATURE
CMP	CORRUGATED METAL PIPE	PCC	POINT OF COMPOUND CURVATURE
COMP	COMPOSITE	PCR	POINT OF CURB RETURN
CONC	CONCRETE	PI	POINT OF INTERSECTION
CONST	CONSTRUCT OR CONSTRUCTION	PIE	PUBLIC IMPROVEMENT ESMT
CSP	CORRUGATED STEEL PIPE	PT	POINT OF TANGENCY
CSU	COLORADO SPRINGS UTILITIES	PRC	PROPOSED
CT	COURT	PRC	POINT OF REVERSE CURVATURE
CTR	CENTER	PRV	PRESSURE REDUCING VALVE
CU	COPPER	PVT	PRIVATE
CY	CUBIC YARD	PUAE	PUBLIC UTILITY AND ACCESS ESMT
DBL	DOUBLE	PUADE	PUBLIC UTILITY, ACCESS AND DRAINAGE ESMT
DEG	DEGREE	PVC	POLYVINYL CHLORIDE
DET	DETAIL	R	RADIUS
DEPT	DEPARTMENT	REC	RECEPTION
DIM	DIMENSION	RCBC	REINFORCED CONCRETE BOX CULVERT
DIP	DUCTILE IRON PIPE	S	SOUTH
DOT	DEPARTMENT OF TRANSPORTATION	SDMH	STORM SEWER MANHOLE
DWG	DRAWING	SHT	SHEET
E	EAST/EASTING	SQ	SQUARE
EL	ELEVATION	SW	SPILLWAY
ELEC	ELECTRIC	TBC	TOP BACK OF CURB
EOG	EDGE OF GUTTER	TC	TRICKLE CHANNEL
EOP	EDGE OF PAVEMENT	TOP	TOP OF POND
ESMT	EASEMENT	TW	TOP OF WALL
EW	ENDWALL	TYP	TYPICAL
EX	EXISTING	UG	UNDERGROUND
FD	FRENCH DRAIN	VERT	VERTICAL
FDC	FIRE DEPARTMENT CONNECTION	W	WEST
FE	FLANGE ELEVATION	WW	WASTEWATER
FES	FLARED END SECTION	WWF	WELDED WIRE FABRIC
FF	FINISHED FLOOR	W/	WITH
FG	FINISHED GRADE	W/O	WITHOUT
FH	FIRE HYDRANT	YD	YARD
FHWA	FEDERAL HIGHWAY ADMINISTRATION		
FL	FLOW LINE		



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1975 RESEARCH PARKWAY SUITE 230

COLORADO SPRINGS, CO 80920

PHONE: 719.384.2440

FAX: 713.965.0044

MEADOW LAKE INDUSTRIAL FILING NO. 1

MEADOWLAKE DEVELOPMENTS, LLC

EL PASO COUNTY, CO

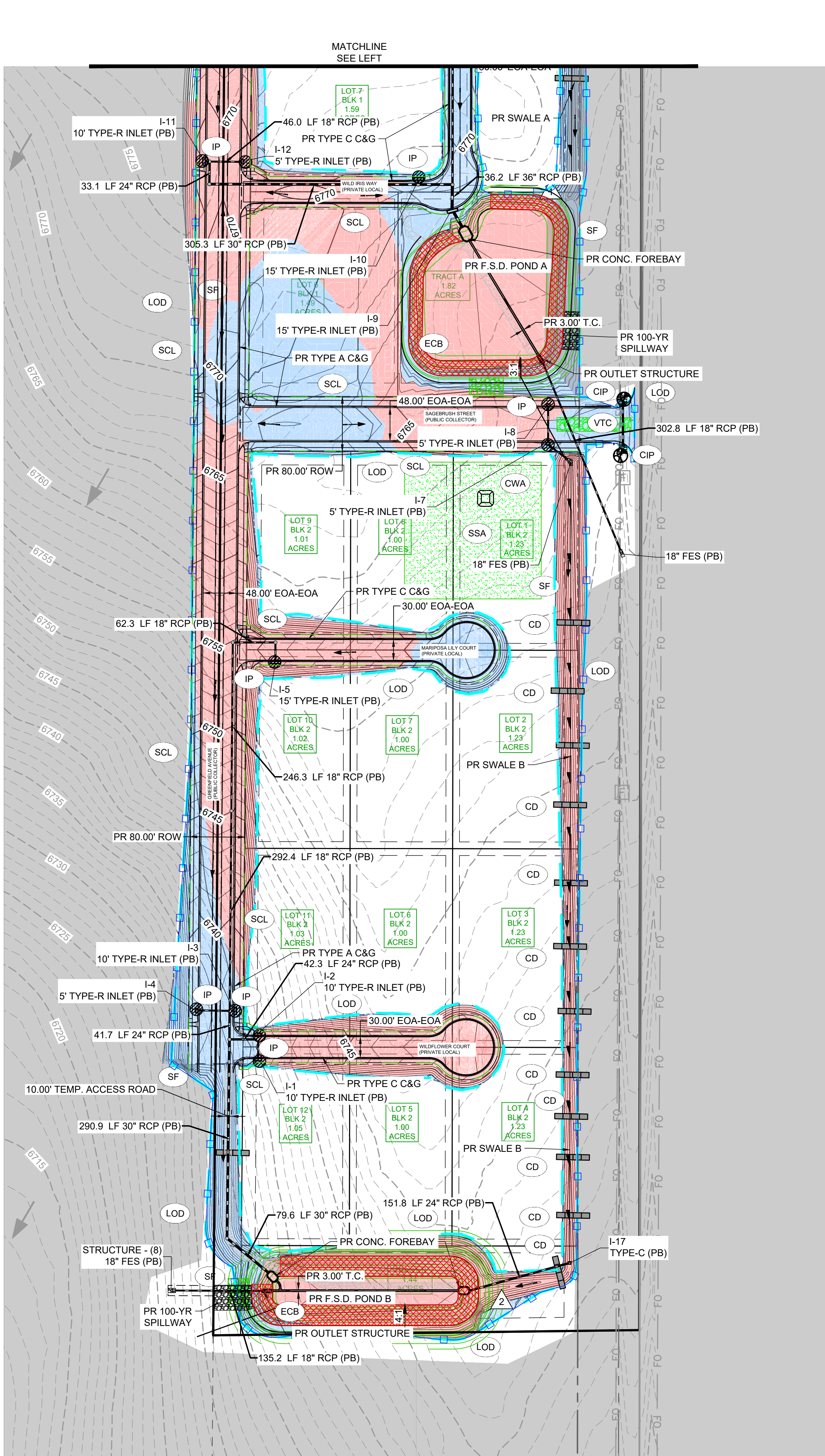
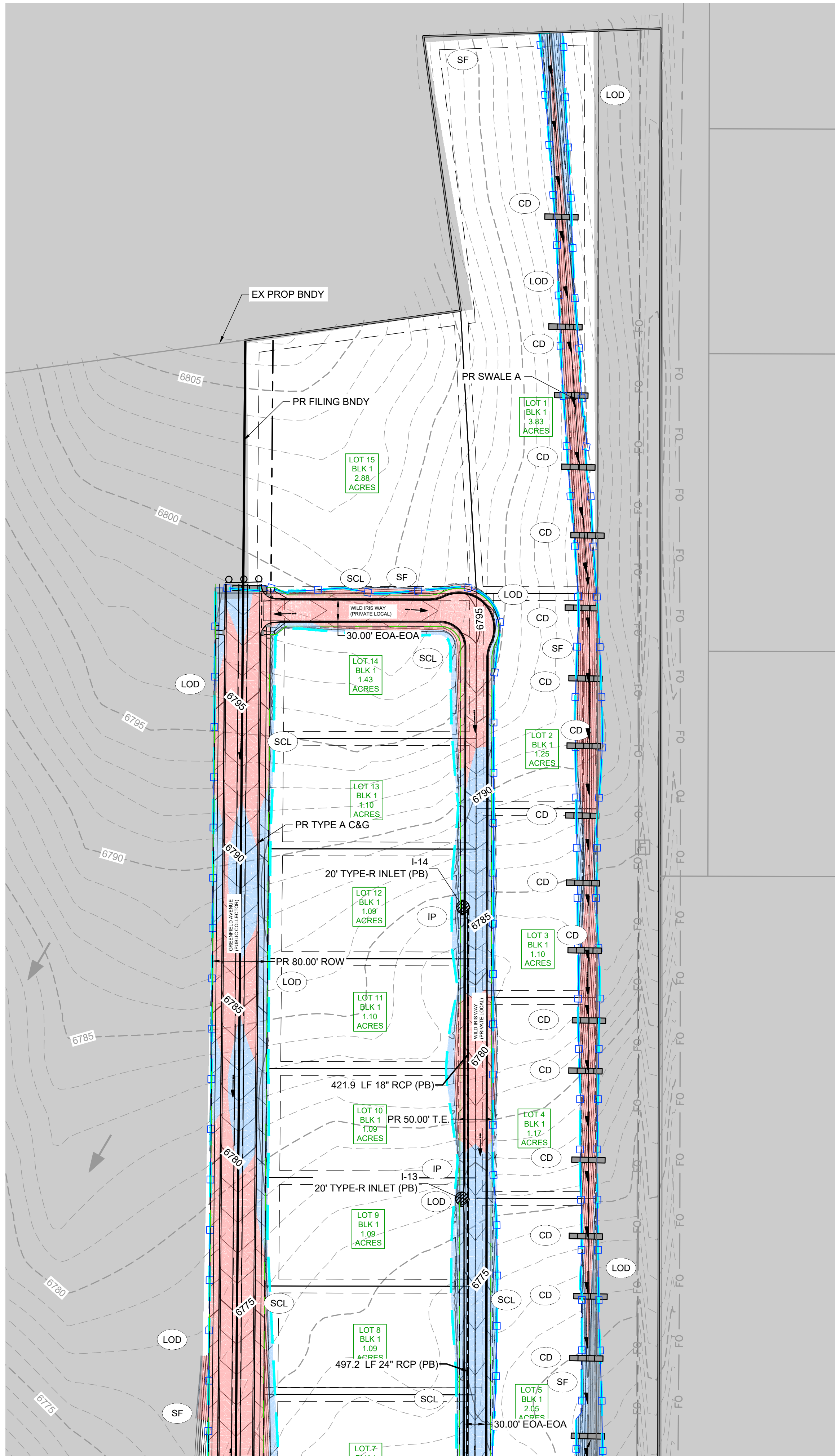
CONSTRUCTION DOCUMENTS

LEGEND & TYPICAL SECTIONS

SHEET

LG

2



NOTE: AN EARLY GRADING PERMIT (PROJECT # xxxx) WAS REQUESTED FOR THIS PROJECT. REFER TO THAT PROJECT FOR INITIAL GEC PLAN.

- BMP LEGEND**
- CF CONSTRUCTION FENCE
 - CD CHECK DAM (TO BE INSTALLED A MINIMUM OF 1.5' OF VERTICAL FALL)
 - SCL SEDIMENT CONTROL LOG
 - SF SILT FENCE
 - SSA STABILIZED STAGING AREA
 - SP STOCKPILE MANAGEMENT
 - VTC VEHICLE TRACKING CONTROL
 - LOD LIMITS OF CONSTRUCTION (CUT/FILL LIMIT)
 - TS TEMP SEEDING AND MULCHING
 - IP INLET PROTECTION
 - CWA CONCRETE WASHOUT AREA
 - CIP CULVERT INLET PROTECTION
 - ECB EROSION CONTROL BLANKET
 - DO NOT DISTURB
 - PROP FLOW DIRECTION
 - EX FLOW DIRECTION
 - CUT CONDITION
 - FILL CONDITION
 - PROPOSED FILING BOUNDARY
 - EXISTING PARCEL LINE

GRADING & EROSION CONTROL PLAN NOTES:

- SEE APPENDIX C FOR EL PASO COUNTY GRADING AND EROSION CONTROL DETAILS.
- ALL STORMWATER MANAGEMENT MEASURES SHOWN ON THIS PLAN MUST BE INSTALLED AND MAINTAINED PER THE EL PASO COUNTY STORMWATER CONSTRUCTION MANUAL, LATEST REVISIONS.
- AREA WITHIN LIMITS OF DISTURBANCE TO BE CLEARED, GRUBBED AND STOCKPILED PRIOR TO IMPORT OF ANY FILL.
- ALL GREATER THAN 3:1 SLOPES MUST BE RECEIVE SLOPE TRACKING TREATMENT AND EROSION CONTROL BLANKET.
- STOCKPILES REQUIRED DURING ONSITE CONSTRUCTION ACTIVITIES WILL BE PLACED AT THE DISCRETION OF THE CONTRACTOR. STOCKPILING OF MATERIAL MUST NOT OCCUR OUTSIDE THE LIMITS OF DISTURBANCE SHOWN ON THIS PLAN.
- NON-STRUCTURAL CONTROLS (I.E. STREET SWEEPING) WILL BE AT THE DISCRETION OF THE PROJECT'S CERTIFIED GEC ADMINISTRATOR THROUGHOUT THE DURATION OF LAND DISTURBING ACTIVITIES.
- THERE ARE NO ANTICIPATED ASPHALT AND/OR CONCRETE BATCH PLANTS, OR MASONRY MIX STATIONS ASSOCIATED WITH THIS PROJECT. IF THE CONTRACTOR REQUIRES A ASPHALT/CONCRETE BATCH PLANTS OR MASONRY MIX STATIONS, THESE PLANS WILL BE AMENDED AS REQUIRED.
- THERE ARE NO EXISTING PRESERVATION EASEMENTS LOCATED ON SITE.
- ONSITE EXISTING VEGETATION IS NATIVE GRASSES AND WEEDS. THERE IS NO NOTABLE VEGETATION OTHERWISE.
- ALL NATURAL CHANNELS TO HAVE ROLLMAX TMX TRM (OR EQUIV.) INSTALLED AS NOTED ON PLANS ARE TO HAVE PERMANENT SEEDING AND MULCHING.
- ALL ROADSIDE DITCHES ARE TO HAVE PERMANENT TRM (ROLLMAX P300 OR EQUIV.) INSTALLED.
- ALL CULVERTS ARE TO HAVE RIP-RAP INSTALLED AT OUTLET POINTS AS SEEN IN STORM CONSTRUCTION DRAWINGS.
- THERE ARE NO BACK PLANTS ON SITE.
- THERE IS NO FEMA FLOODPLAIN FILING 1 BOUNDARY.
- THERE ARE NO EXISTING OR PROPOSED WATER COURSES IN FILING 1 BOUNDARY.
- THERE IS NO OFF-SITE GRADING.
- CONCLUSIONS FROM SOILS/GEOTECHNICAL REPORT AND GEOLOGIC HAZARDS REPORT HAVE BEEN INCORPORATED IN GRADING DESIGN.

PROJECT INFO:

CUT VOLUME: 55,629 CUBIC YARDS
FILL VOLUME: 11,452 CUBIC YARDS
NET 44,176 (CUT) CUBIC YARDS

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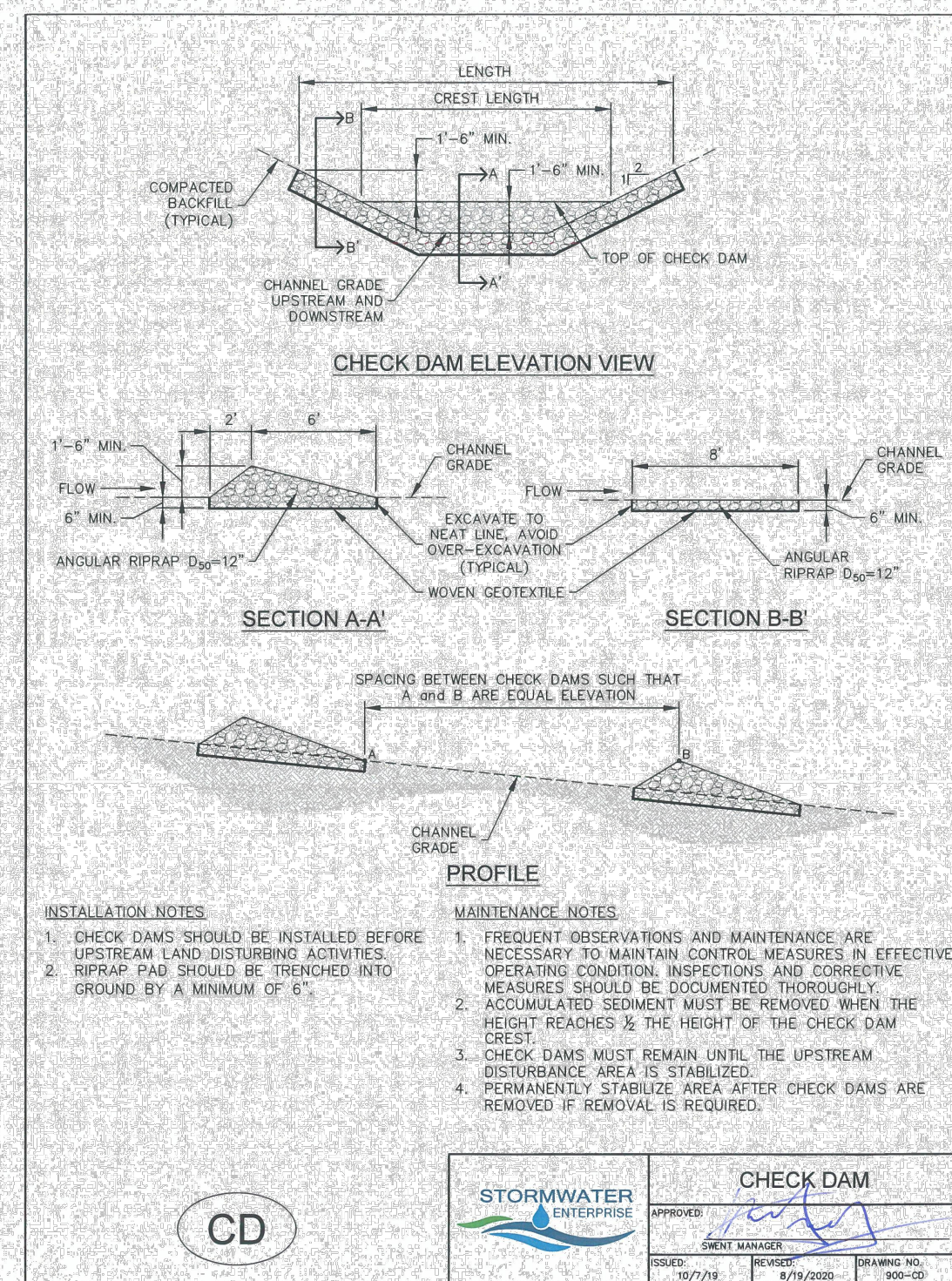
HRGreen
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS, CO 80920
PHONE: 719.384.2440
FAX: 719.965.0044

MEADOW LAKE INDUSTRIAL FILING NO. 1
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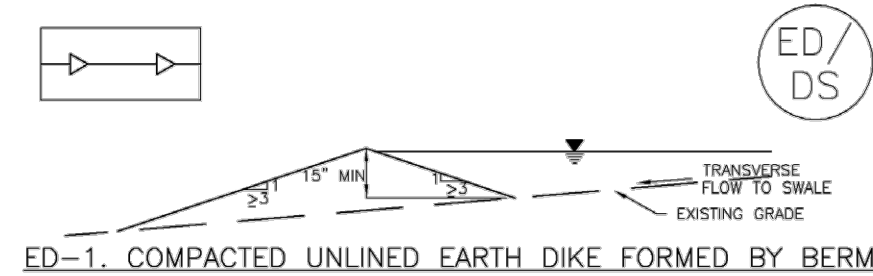
CONSTRUCTION DOCUMENTS
GEC - INTERIM-FINAL PLAN

SHEET
GEC

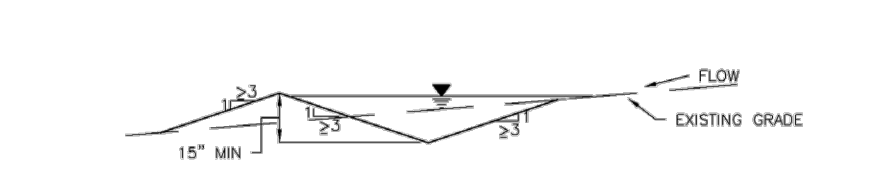
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Earth Dikes and Drainage Swales (ED/DS) EC-10



DS-1. COMPACTED UNLINED EXCAVATED SWALE

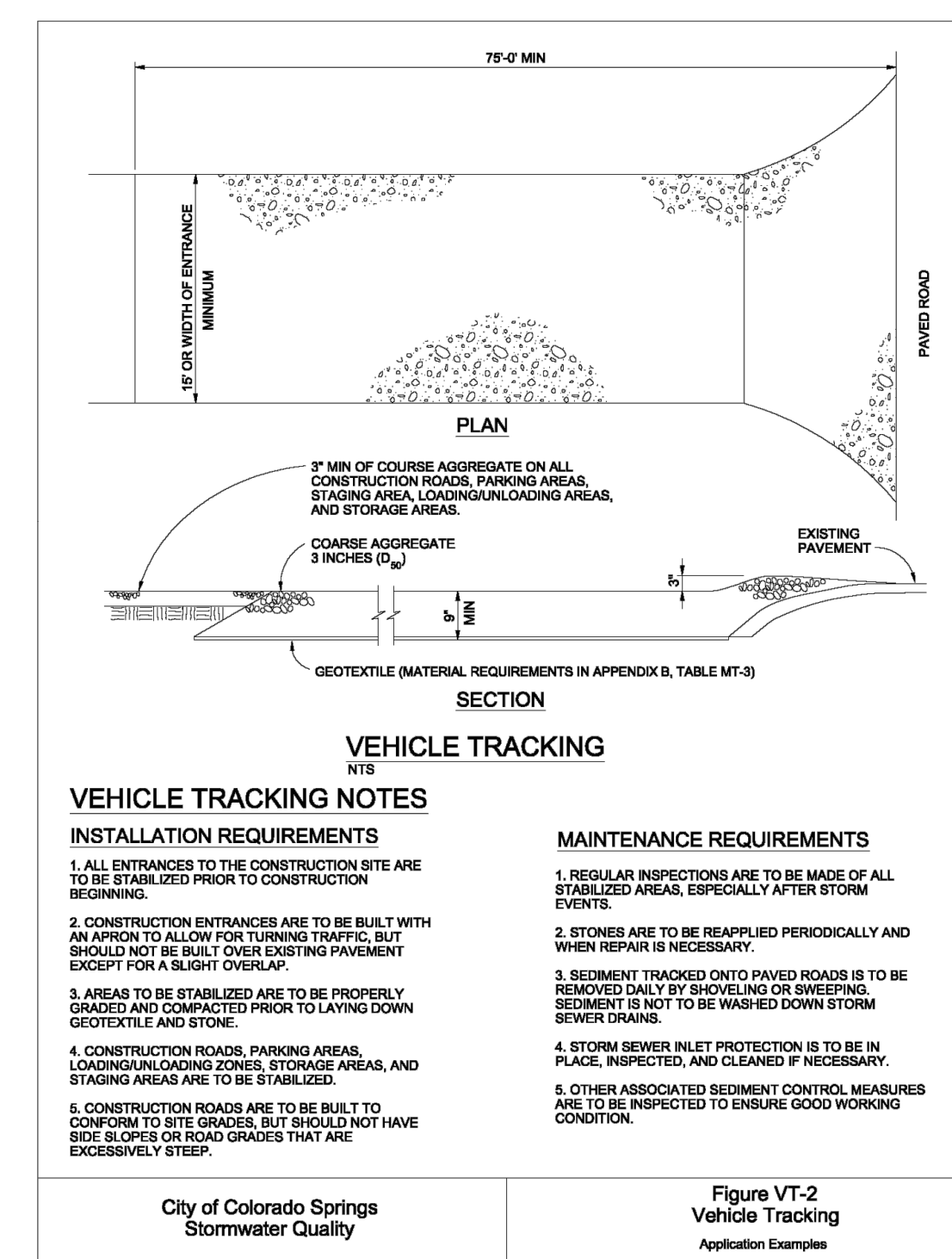


DS-3. ECB LINED SWALE (CUT AND FILL OR BERM)

November 2010 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3

6/23, 11:02 AM

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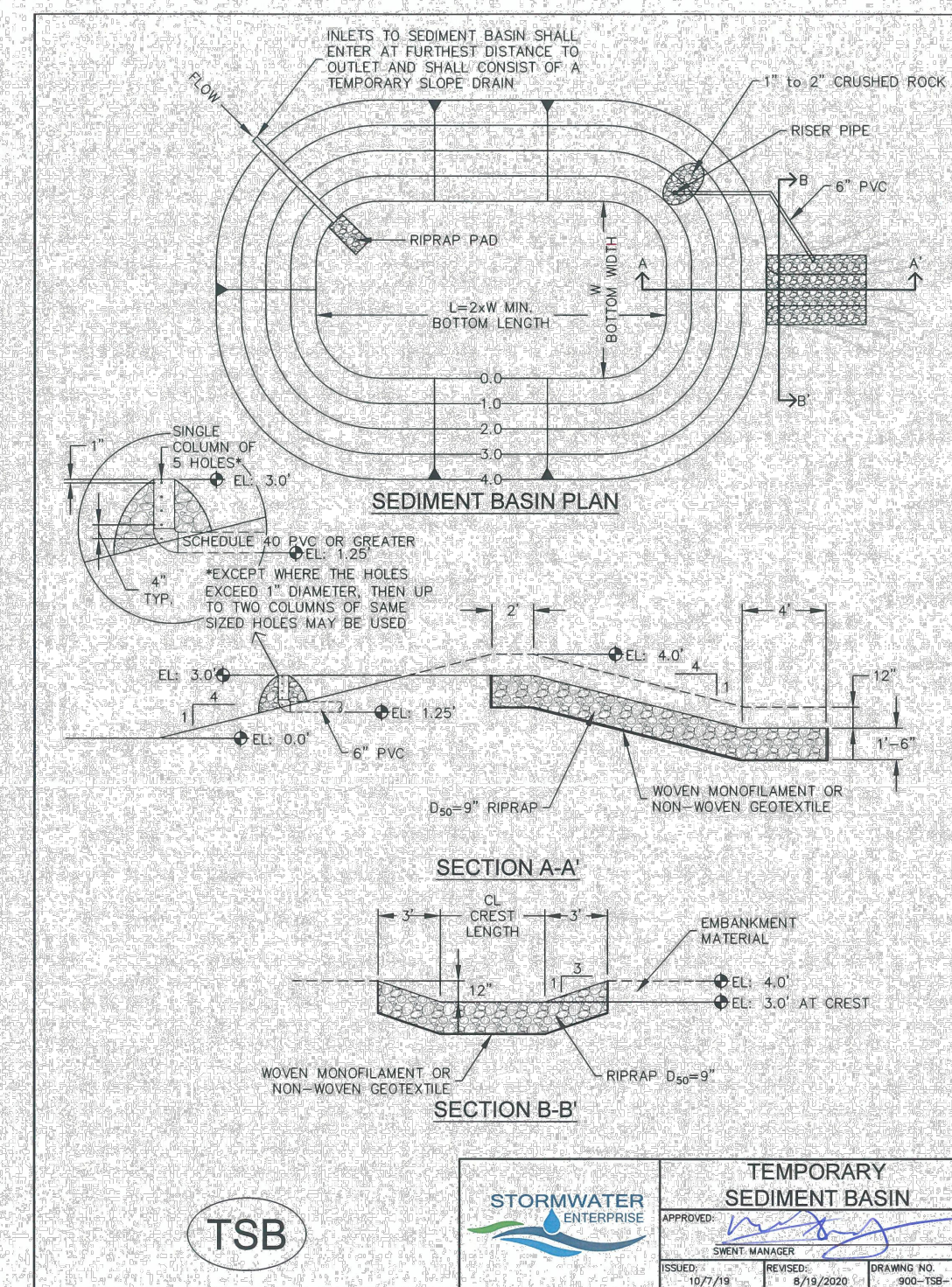
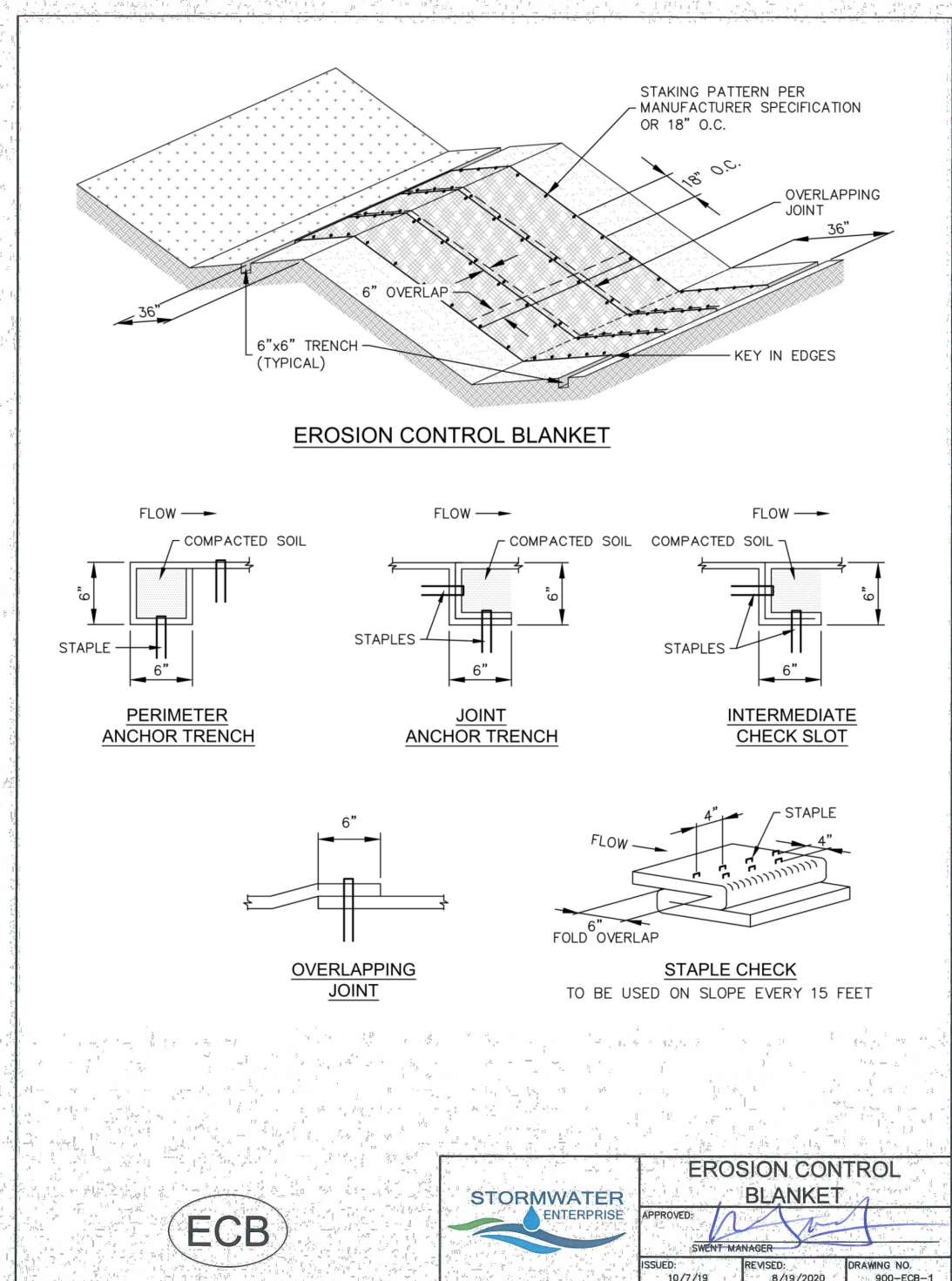


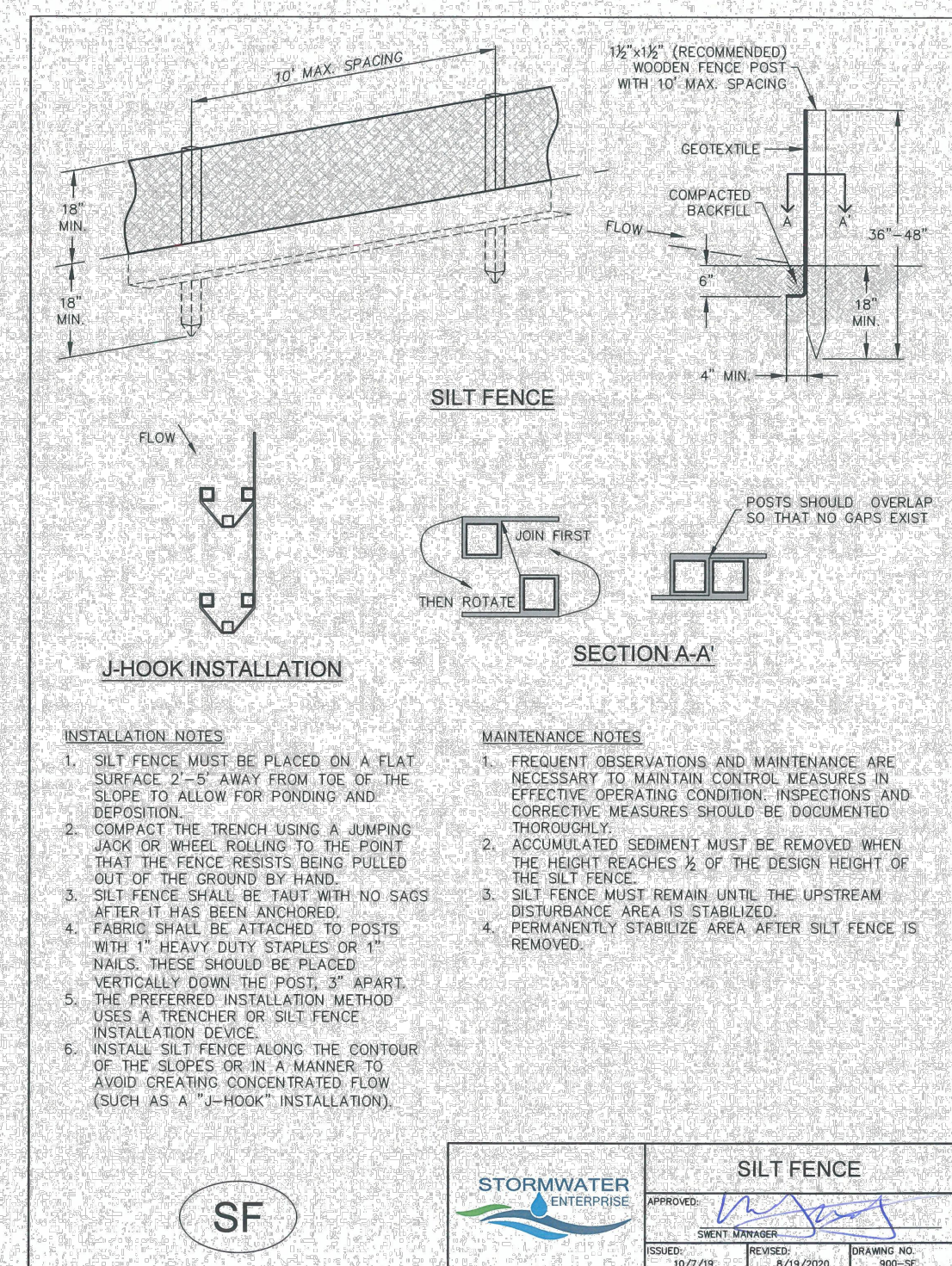
TABLE SB-1. SIZING INFORMATION FOR STANDARD SEDIMENT BASIN			
UPSTREAM DRAINAGE AREA (AC)	BASIN BOTTOM WIDTH (W, FT)	SPILLWAY CREST LENGTH (L, FT)	WASH BASIN DIAMETER (D, IN)
1	12"	2"	1/2"
2	18"	3"	3/4"
3	24"	4"	1"
4	30"	5"	1 1/4"
5	36"	6"	1 1/2"
6	42"	7"	1 3/4"
7	48"	8"	2"
8	54"	9"	2 1/4"
9	60"	10"	2 1/2"
10	66"	11"	2 3/4"
11	72"	12"	3"
12	78"	13"	3 1/4"
13	84"	14"	3 1/2"
14	90"	15"	3 3/4"
15	96"	16"	4"

- INSTALLATION NOTES**
1. FOR STANDARD BASIN, BOTTOM DIMENSION MAY BE MOVED AS LONG AS BOTTOM AREA IS NOT REDUCED.
 2. EMBANKMENT MATERIAL SHALL BE FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3 INCHES AND SHALL HAVE A MINIMUM OF 15 PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE.
 3. SEDIMENT BASIN SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D-698.
 4. THE DETAILS SHOWN ON THESE SHEETS PERTAIN TO STANDARD SEDIMENT BASIN(S) FOR DRAINAGE AREAS LESS THAN 10 ACROSS. CONSTRUCTION DETAILS FOR EMBANKMENT, STORAGE VOLUME, SPILLWAY, OUTLET, AND OUTLET PROTECTION DETAILS FOR ANY STORAGE BASIN(S) THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAINAGE AREAS LARGER THAN 15 ACRES. DESIGN CALCULATIONS MUST BE APPROVED PRIOR TO IMPLEMENTATION.
- 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. SEDIMENT ACCUMULATED IN BASIN SHALL BE REMOVED AS NEEDED TO MAINTAIN CONTROL MEASURE EFFECTIVENESS. TYPICALLY WHEN SEDIMENT DEPTH REACHES ONE FOOT (I.E. TWO FEET BELOW SPILLWAY CREST).
 3. SEDIMENT BASINS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS PERMANENTLY STABILIZED.
 4. PERMANENTLY STABILIZE AREA AFTER SEDIMENT BASIN REMOVAL.

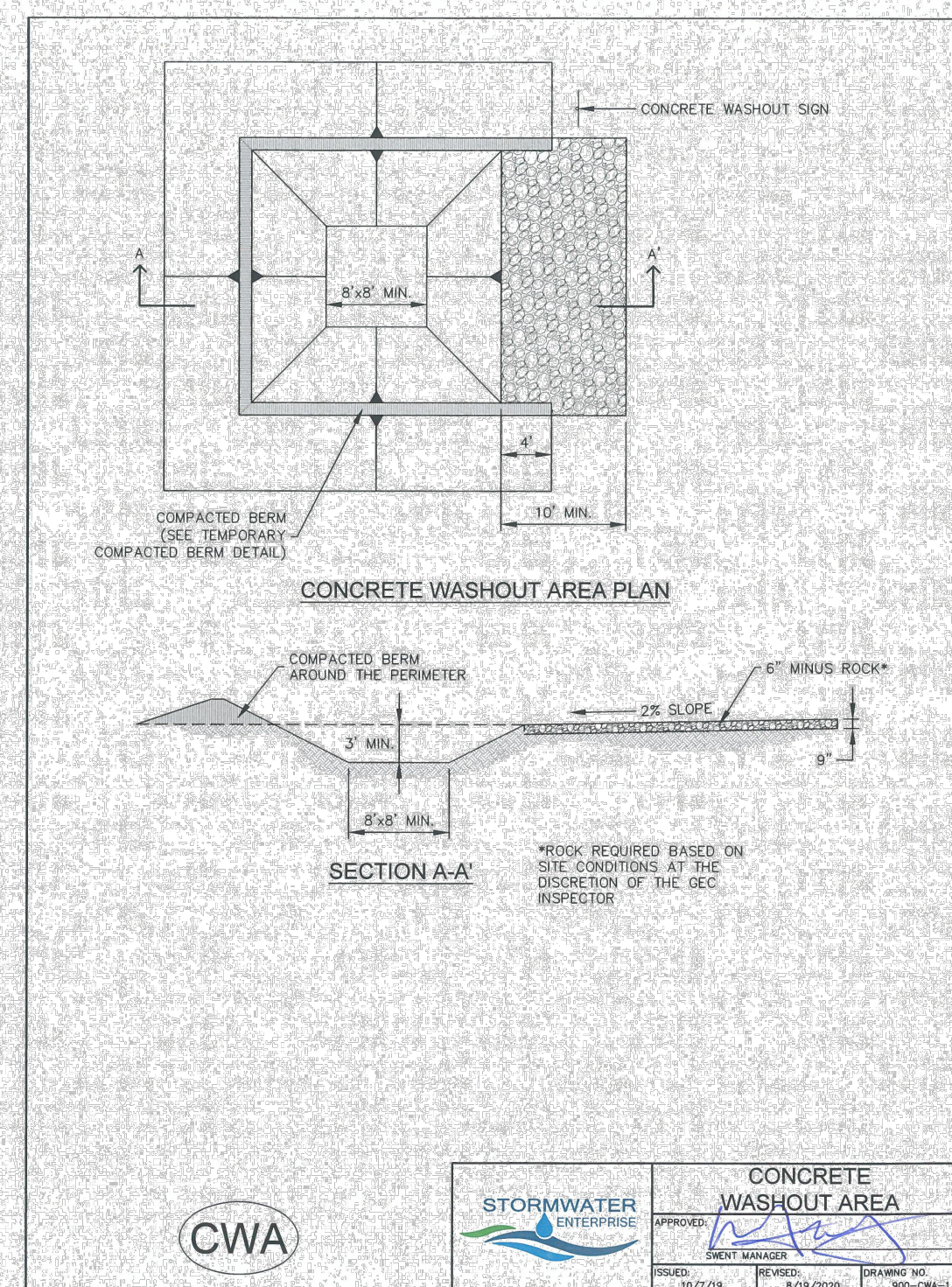


- INSTALLATION NOTES**
1. DOOR NATURAL AND BIODEGRADABLE MATERIALS ARE REQUIRED FOR EROSION CONTROL. BLANKETS, TRIM PRODUCTS MAY BE USED WHERE APPROPRIATE AS DESIGNATED BY THE ENGINEER.
 2. IN AREAS WHERE EROSION CONTROL BLANKETS ARE SHOWN ON THE PLANS, THE PERMITTEE SHALL PLACE TOPSOIL AND PERFORM FINAL GRADING, SURFACE PREPARATION, AND SEEDING AND MULCHING. SUBGRADE SHALL BE SMOOTH AND MOST PRIOR TO EROSION CONTROL BLANKET INSTALLATION, THE EROSION CONTROL BLANKET SHALL BE IN FULL CONTACT WITH THE SUBGRADE. NO GAPS OR Voids SHALL EXIST UNDER THE BLANKET.
 3. PERIMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERIMETER OF ALL BLANKET AREAS.
 4. JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF EROSION CONTROL BLANKETS TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL EROSION CONTROL BLANKETS.
 5. INTERMEDIATE CHECK SLOT OR STAPLE CHECK SHALL BE INSTALLED EVERY 15' DOWN SLOPES. IN DRAINAGEWAYS, INSTALL CHECK SLOTS EVERY 25' PERPENDICULAR TO FLOW DIRECTION.
 6. OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF EROSION CONTROL BLANKETS TOGETHER FOR EROSION CONTROL BLANKETS ON SLOPES.
 7. MATERIAL SPECIFICATIONS OF EROSION CONTROL BLANKETS SHALL CONFORM TO TABLE ECB-1.
 8. ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING EROSION CONTROL BLANKETS SHALL BE RESEEDED AND MULCHED.
 9. STRAW EROSION CONTROL BLANKETS SHALL NOT BE USED WITHIN STREAMS AND DRAINAGE CHANNELS.
 10. COMPACT ALL TRENCHES.
- 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. EROSION CONTROL BLANKETS SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE. TRIM MUST BE REMOVED AT THE DISCRETION OF THE DEC INSPECTOR.
 3. ANY EROSION CONTROL BLANKET PULLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REPLACED. ANY SUBGRADE AREAS BELOW GEOTEXTILE THAT HAVE EXPOSED TO CREATE A VOID UNDER THE BLANKET, OR THAT REMAIN COVDED OF GRASS SHALL BE REPAIRED, RESEEDED AND MULCHED AND THE EROSION CONTROL BLANKET REINSTALLED.

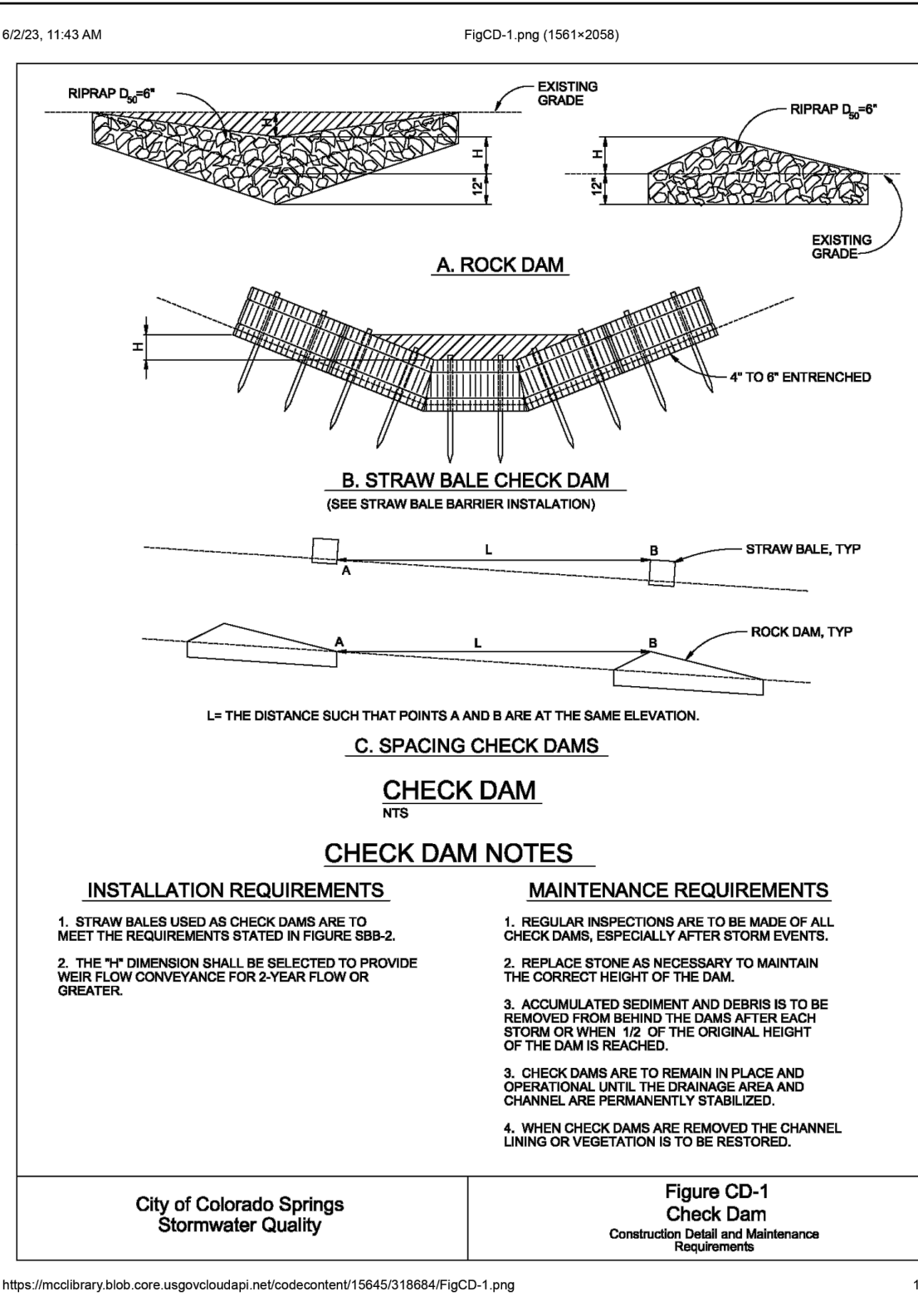
TABLE ECB-1. EROSION CONTROL BLANKET MATERIAL SPECIFICATIONS			
TYPE	COCONUT CONTENT	STRAW CONTENT	RECOMMENDED NETTING
STRAW	—	100%	DOUBLE / NATURAL
STRAW-COCONUT	30% MIN.	70% MAX.	DOUBLE / NATURAL
COCONUT	100%	—	DOUBLE / NATURAL
EXCELSDOR	—	—	100% DOUBLE / NATURAL



- INSTALLATION NOTES**
1. SILT FENCE MUST BE PLACED ON A FLAT SURFACE, 2'-5' AWAY FROM THE OF THE SLOPE TO ALLOW FOR PONDING AND DEPOSITION.
 2. COMPACT THE TRENCH USING A JUMPING JACK OR WHEEL ROLLING TO THE POINT THAT THE FENCE RESISTS BEING PULLED OUT OF THE GROUND BY HAND.
 3. SILT FENCE SHALL BE TIGHT WITH NO GAPS AFTER IT HAS BEEN ANCHORED.
 4. FABRIC SHALL BE ATTACHED TO POSTS WITH 1" HEAVY DUTY STAPLES OR 1" NAILS. THESE SHOULD BE PLACED VERTICALLY DOWN THE POST, 3' APART. THE PREFERRED INSTALLATION METHOD USES A REMOVER OR SILT FENCE INSTALLATION DEVICE.
 5. INSTALL SILT FENCE ALONG THE CONTOUR OF THE SLOPES OR IN A MANNER TO AVOID CREATING CONCENTRATED FLOW (SUCH AS A "J-HOOK" INSTALLATION).
- 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. ACCUMULATED SEDIMENT MUST BE REMOVED WHEN THE HEIGHT REACHES 3/4 OF THE DESIGN HEIGHT OF THE SILT FENCE.
 3. SILT FENCE MUST REMAIN UNTIL THE UPSTREAM DISTURBANCE AREA IS STABILIZED.
 4. PERMANENTLY STABILIZE AREA AFTER SILT FENCE IS REMOVED.

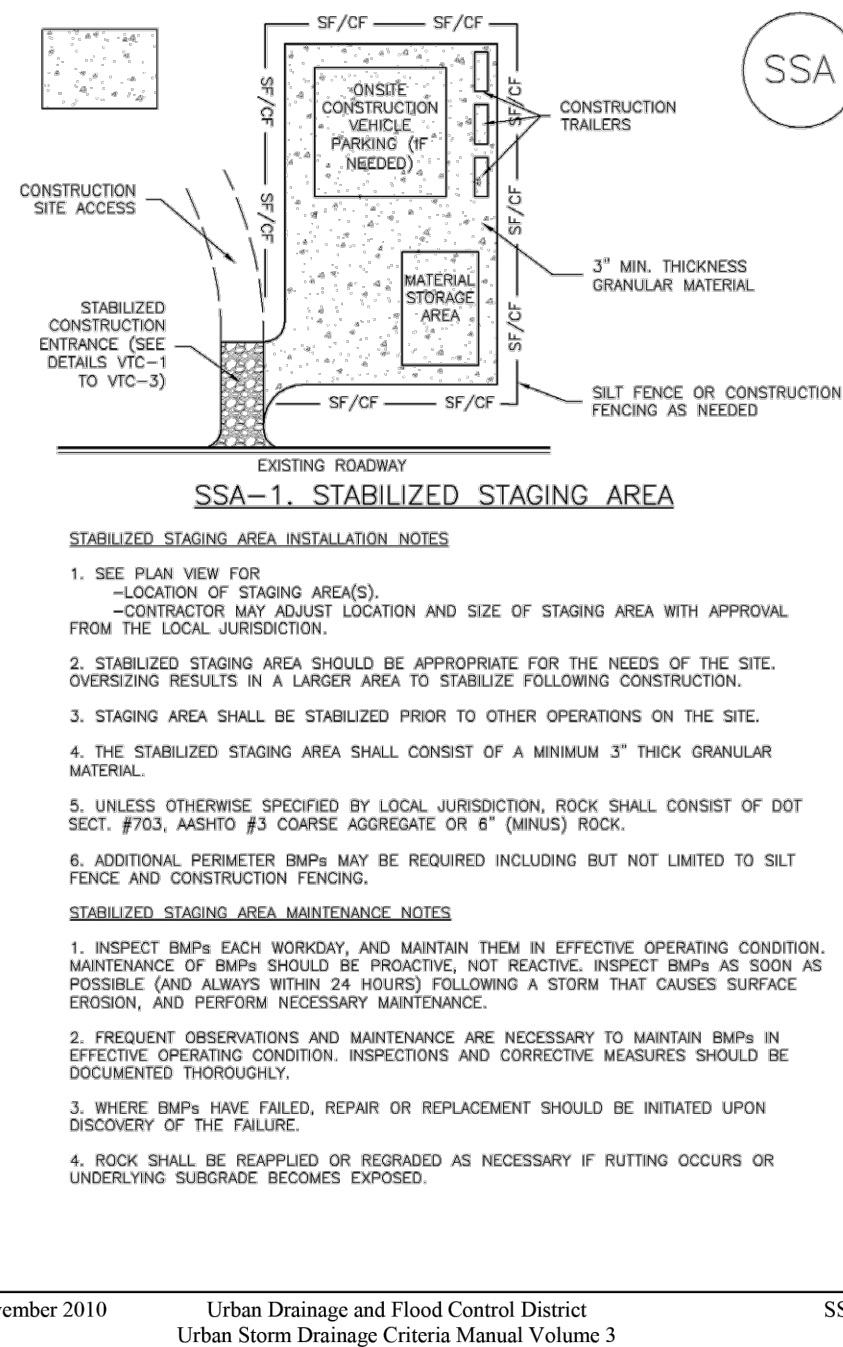


- INSTALLATION NOTES**
1. SEE PLAN VIEW FOR LOCATION OF CONCRETE WASHOUT AREA.
 2. LOCATE AT LEAST 50' AWAY FROM STATE WATERS MEASURED HORIZONTALLY.
 3. AN IMPERMEABLE LINER (15 MIL. MINIMUM THICKNESS) IS REQUIRED IF CONCRETE WASH AREA IS LOCATED WITHIN 400' OF STATE WATERS OR 100' OF WELLS OR DRINKING WATER SOURCES.
 4. DO NOT LOCATE IN AREAS WHERE SHALLOW GROUNDWATER MAY BE PRESENT.
 5. THE CONCRETE WASH AREA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
 6. CONCRETE WASH AREA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 6' DEEP.
 7. BERM SURROUNDING SIDES AND BACK OF CONCRETE WASH AREA SHALL HAVE A MINIMUM HEIGHT OF 2 FEET.
 8. CONCRETE WASH AREA ENTRANCE SHALL BE SLOPED 2% TOWARDS THE CONCRETE WASH AREA.
 9. SIGNS SHALL BE PLACED AT THE CONCRETE WASH AREA.
 10. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.
- 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. THE CONCRETE WASH AREA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS ACCUMULATED IN THE PIT SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 3/4 THE HEIGHT OF THE CONCRETE WASH AREA.
 3. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE, AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER-TIGHT CONTAINER AND DISPOSED OF PROPERLY.
 4. THE CONCRETE WASH AREA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
 5. PERMANENTLY STABILIZE AREA AFTER CONCRETE WASH AREA IS REMOVED.



Stabilized Staging Area (SSA)

SSA-6



Stabilized Staging Area (SSA)

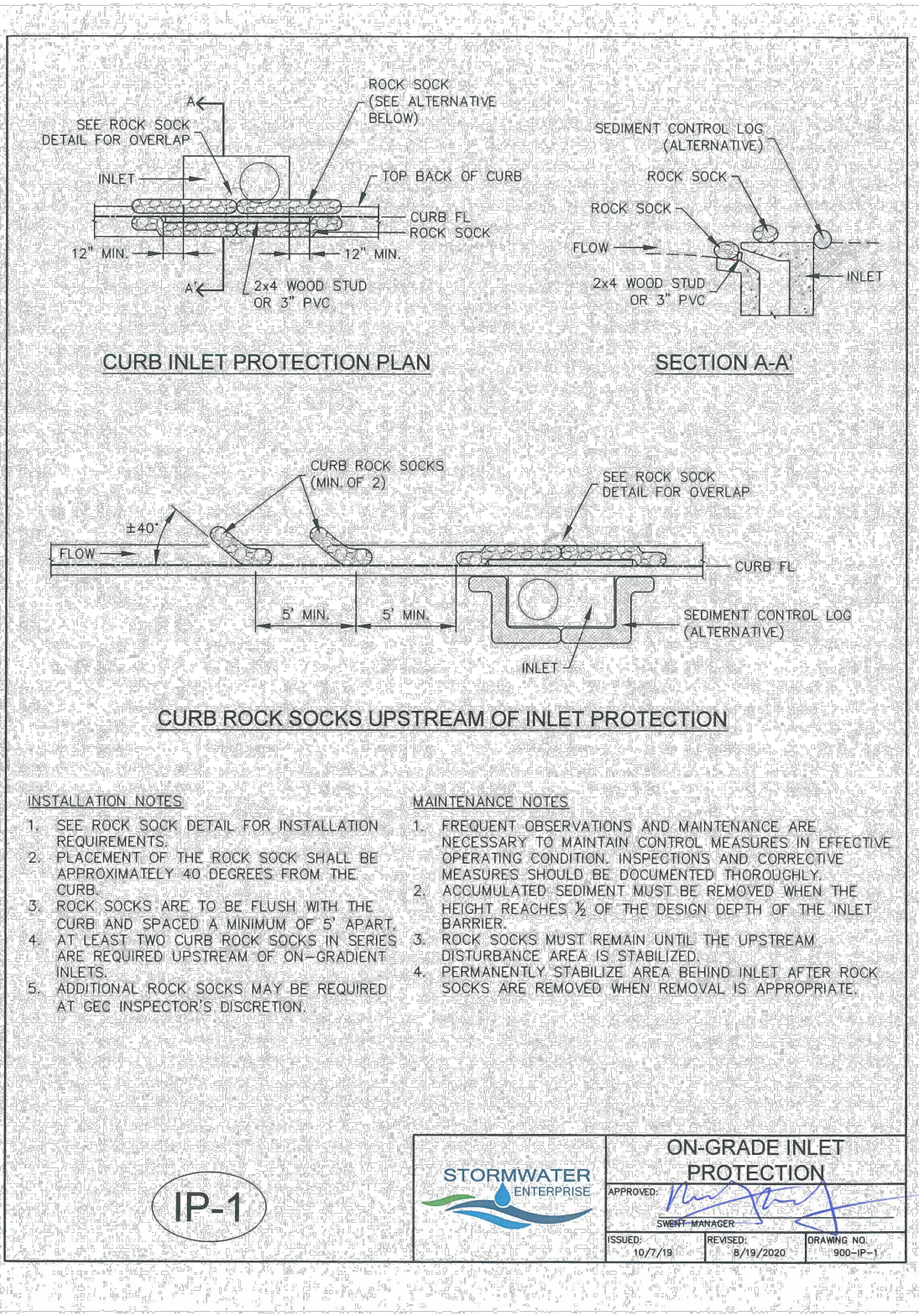
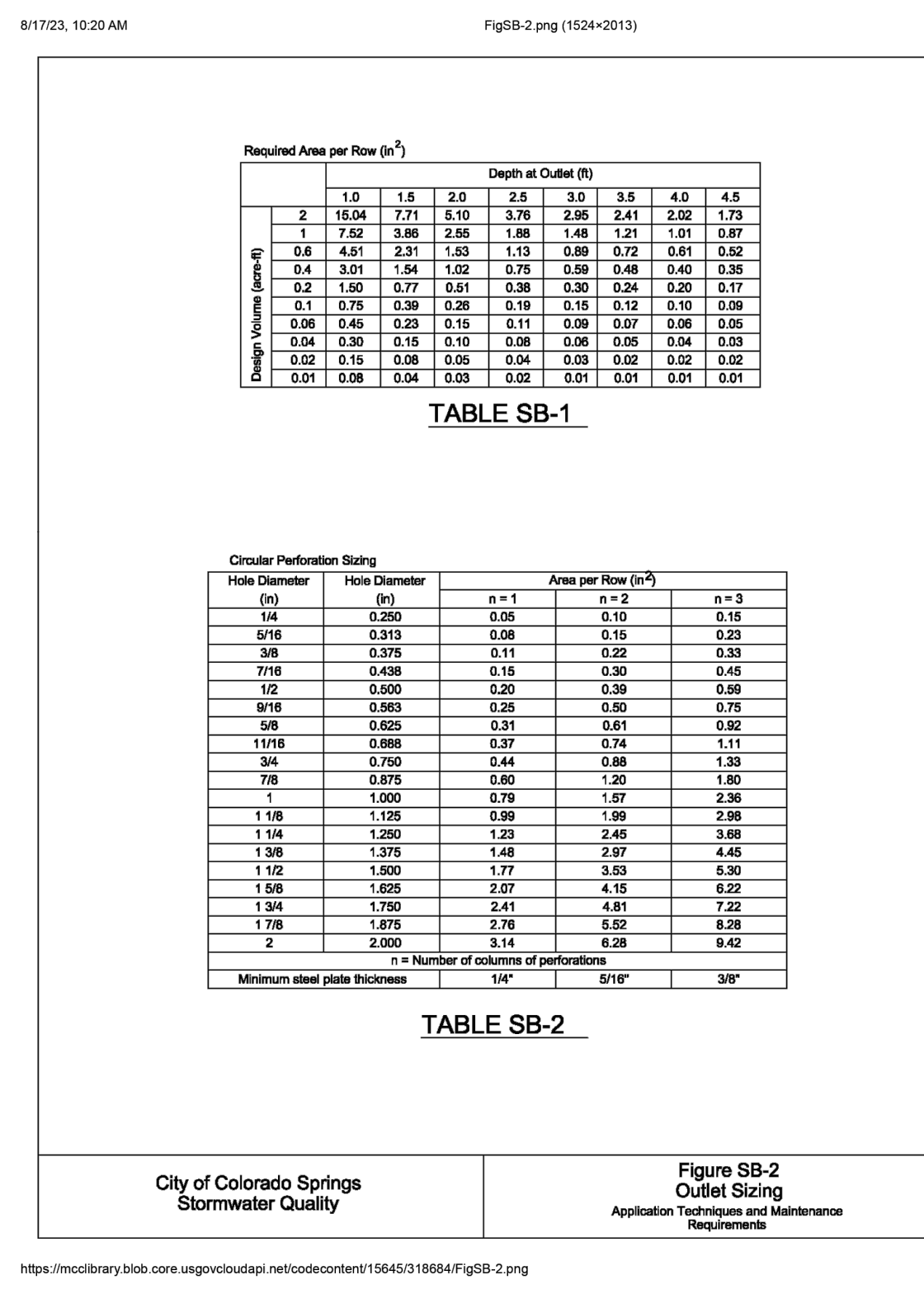
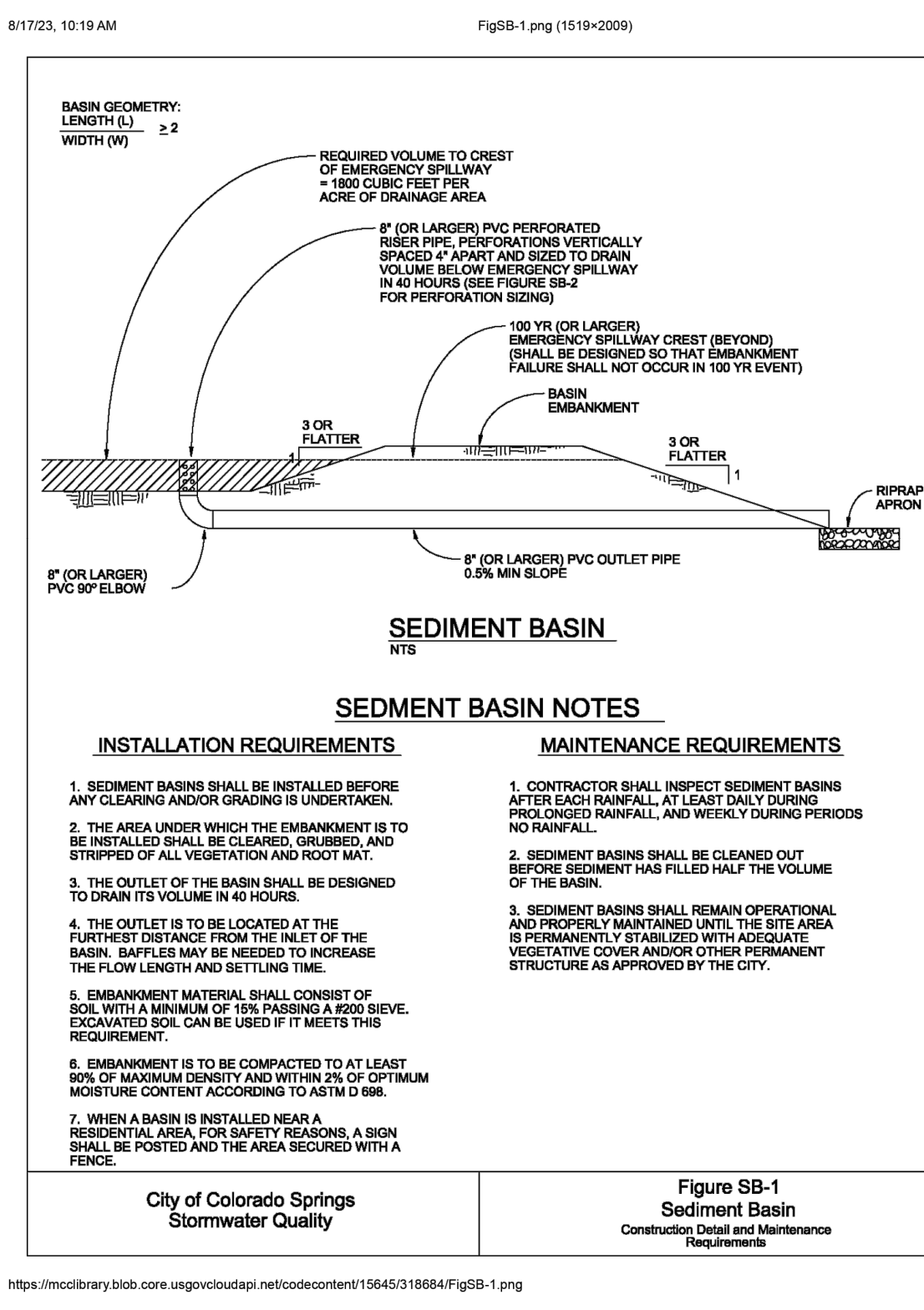
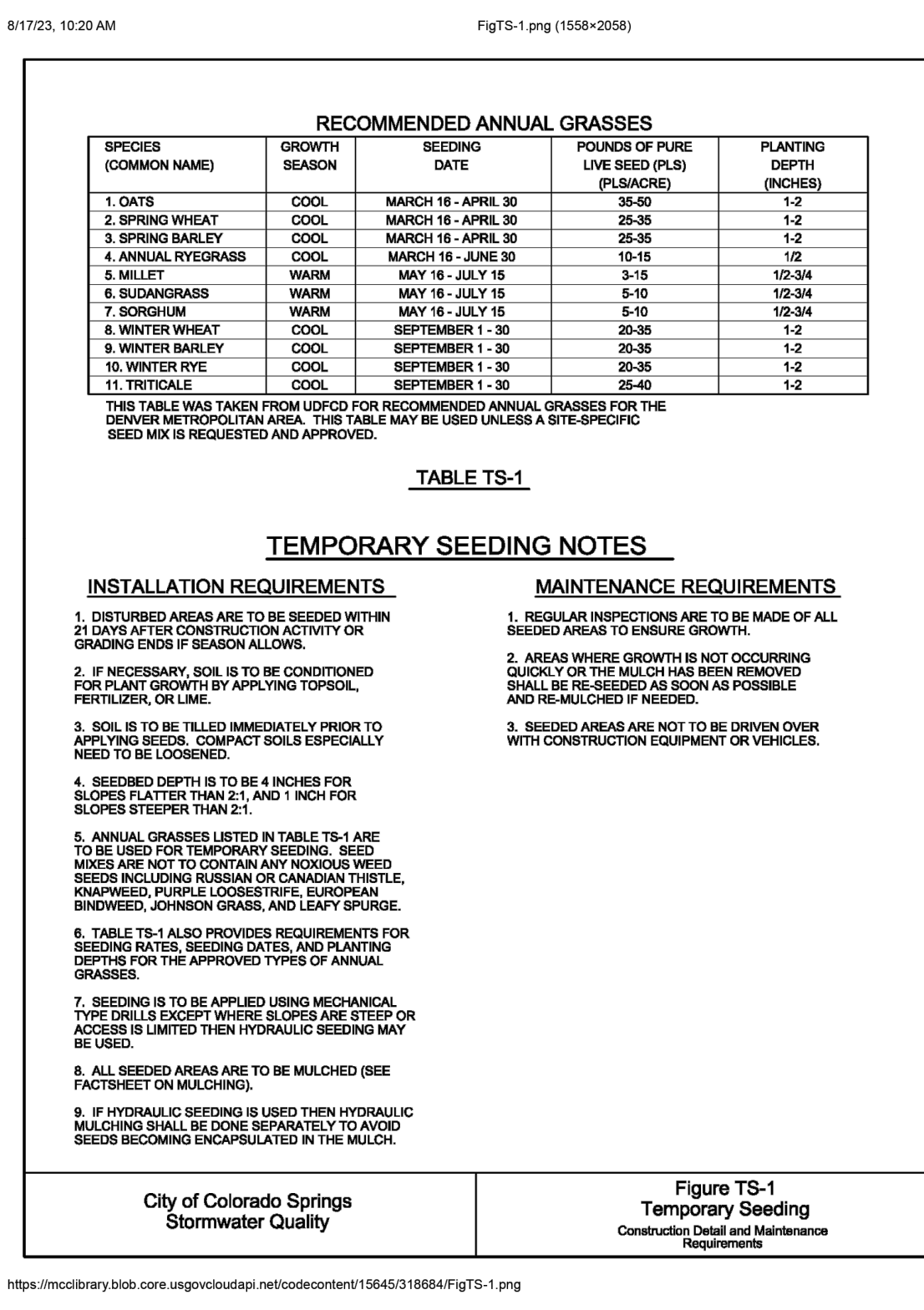
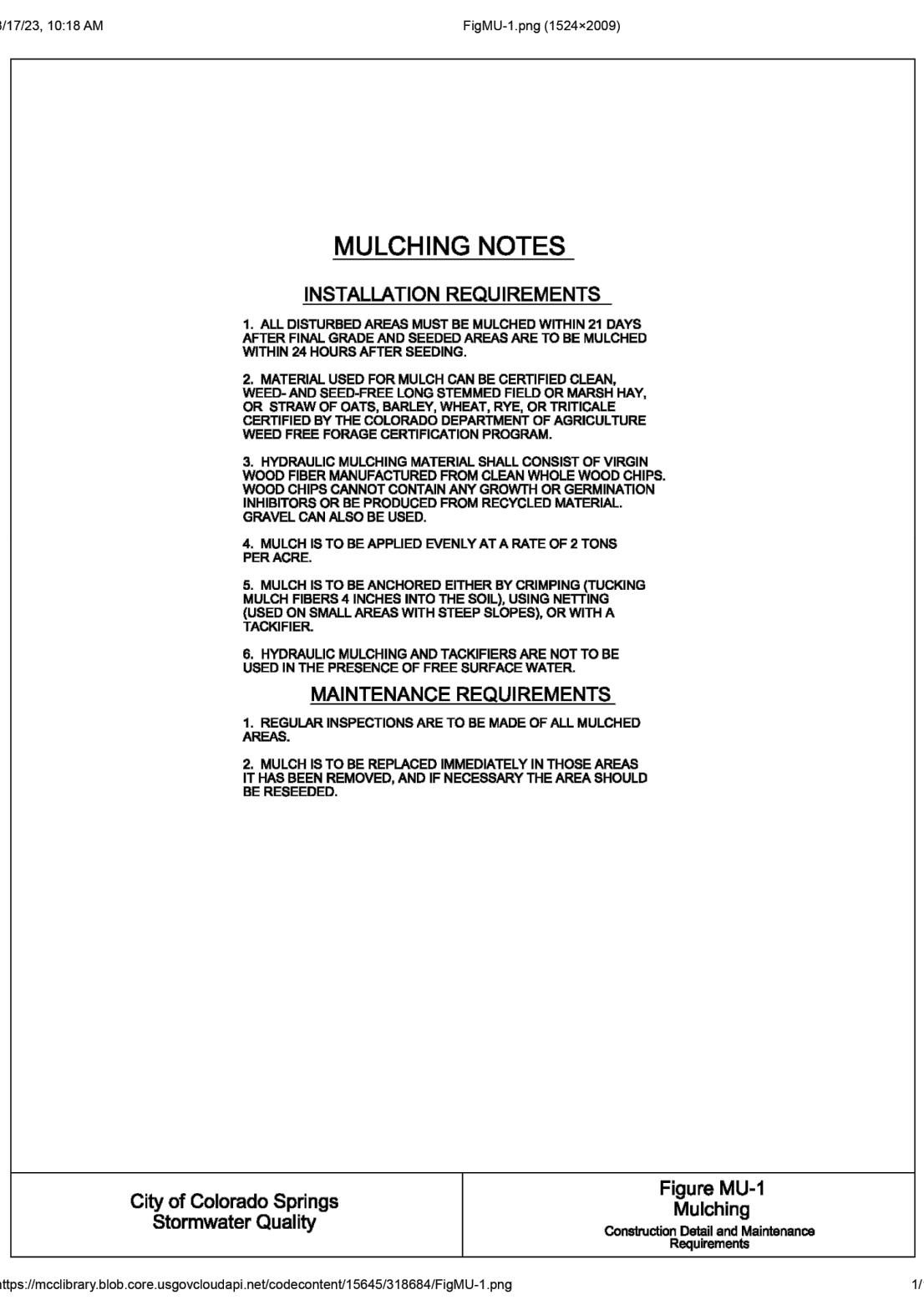
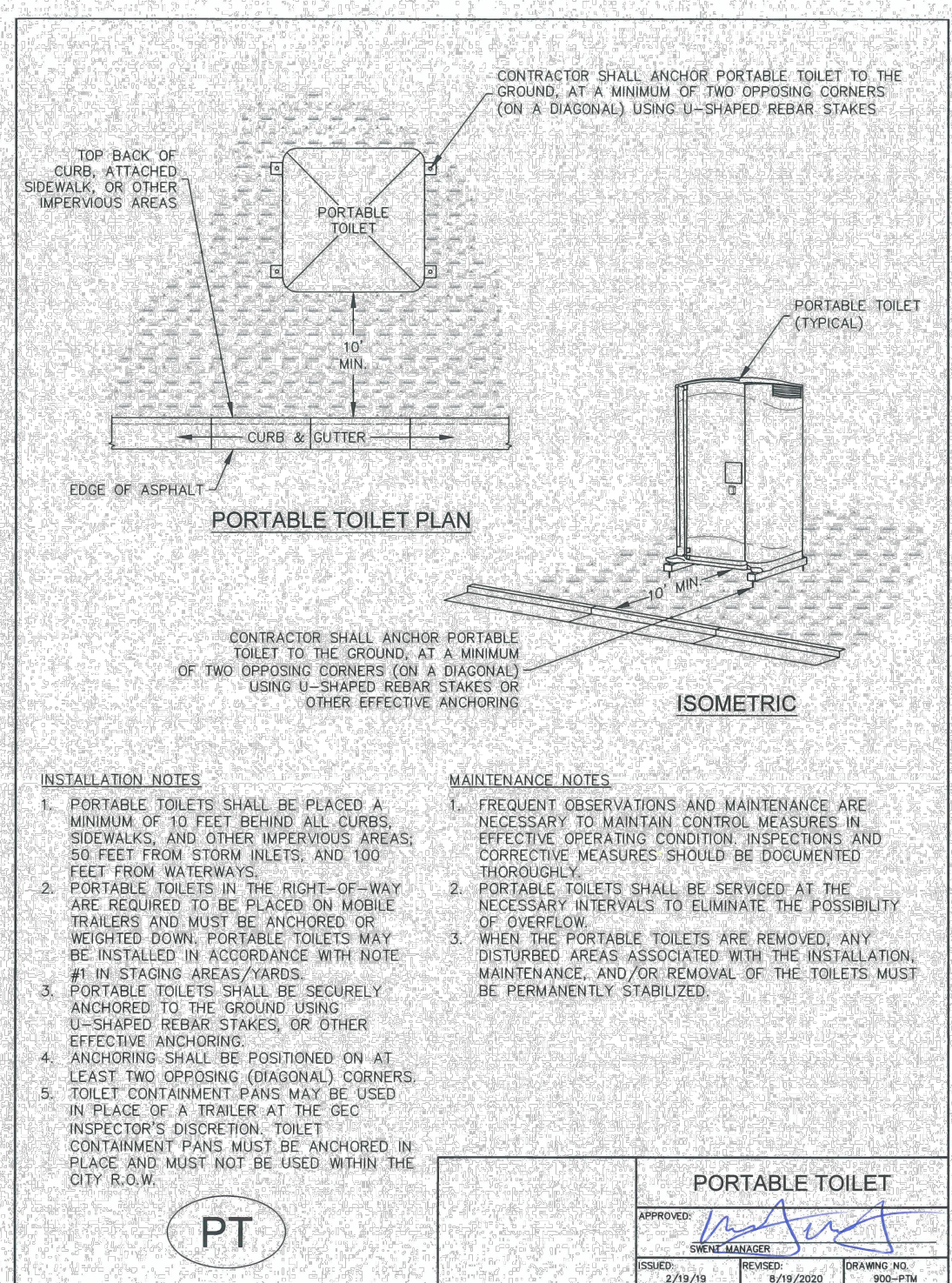
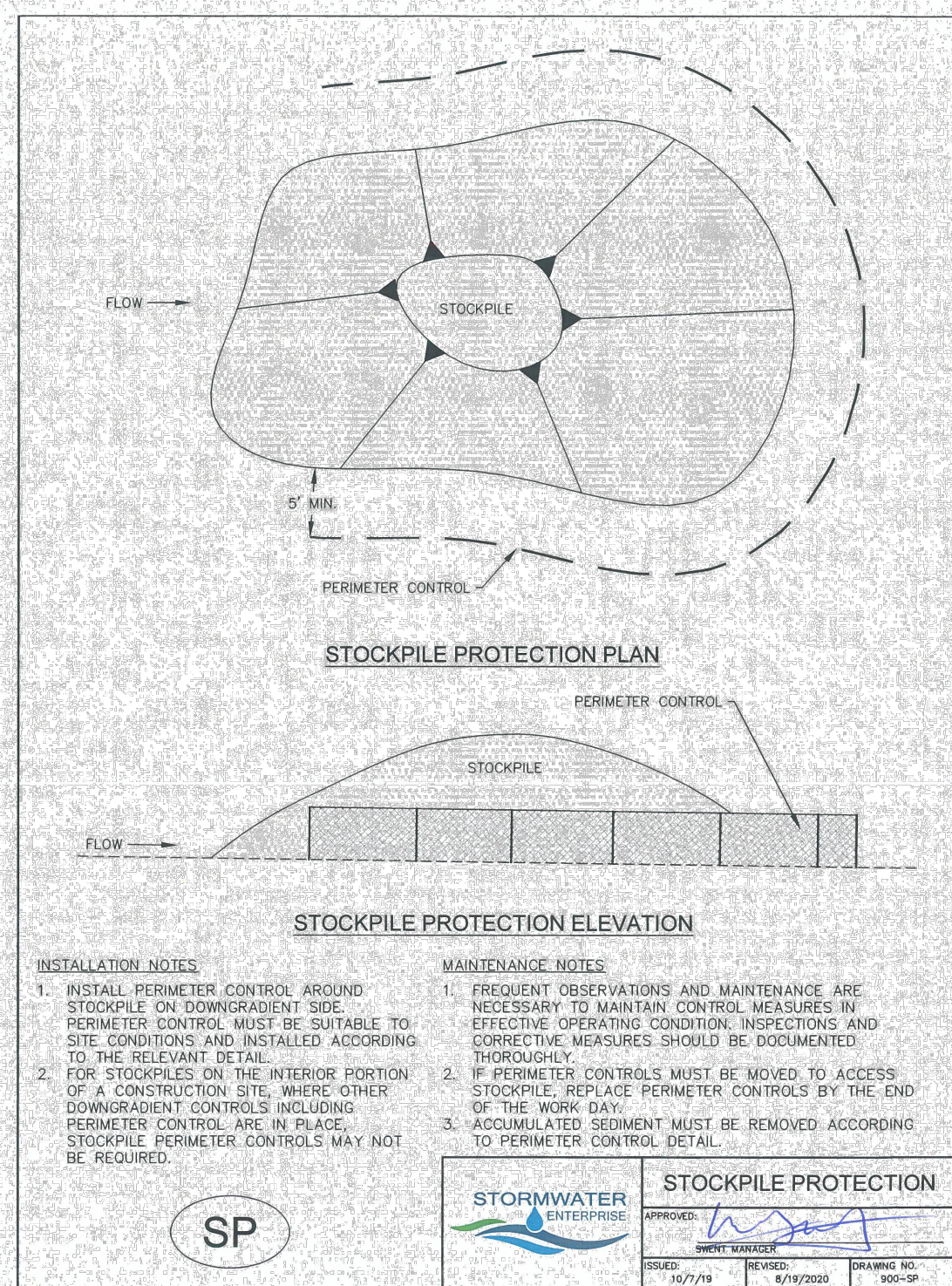
STABILIZED STAGING AREA MAINTENANCE NOTES

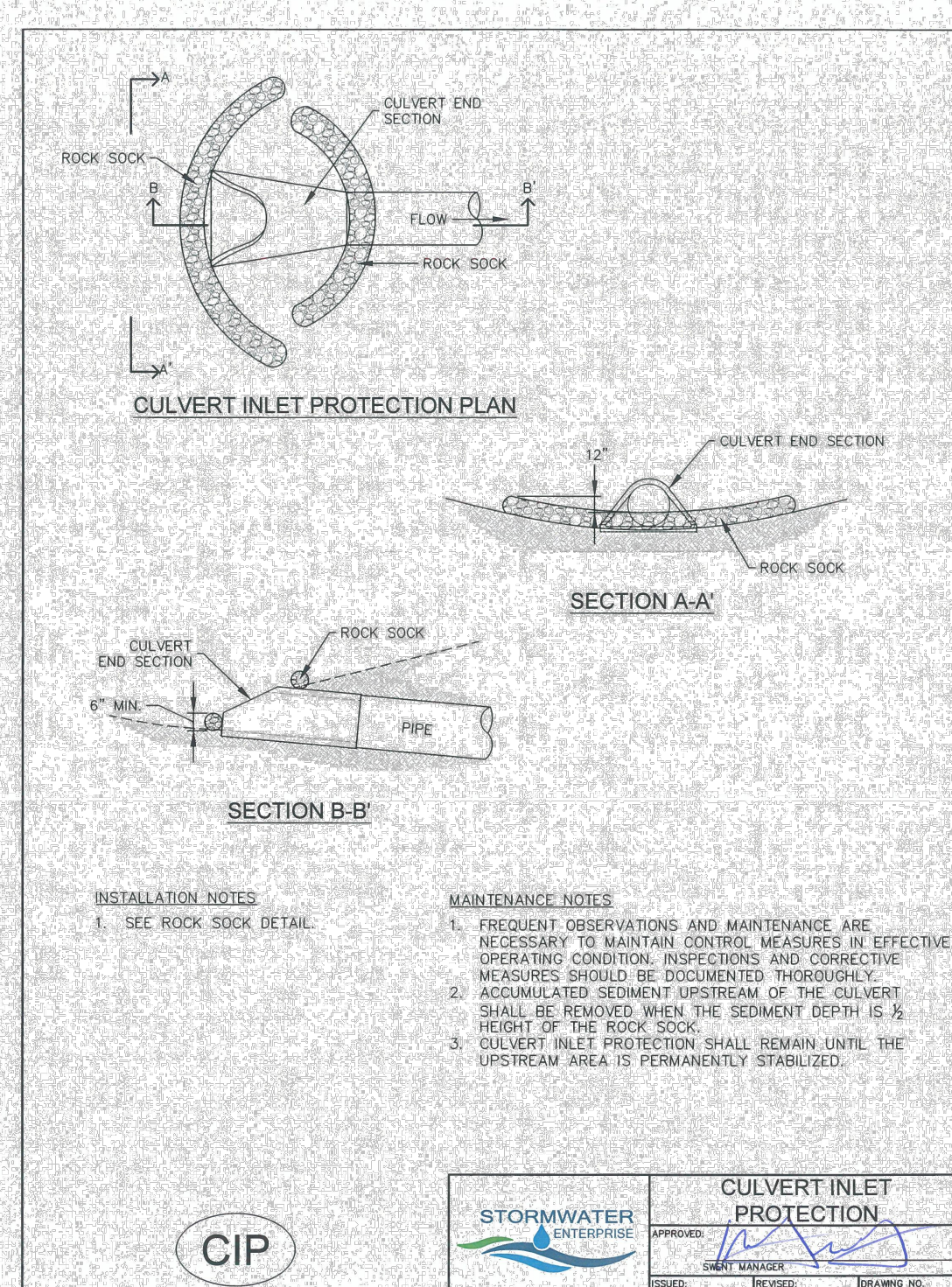
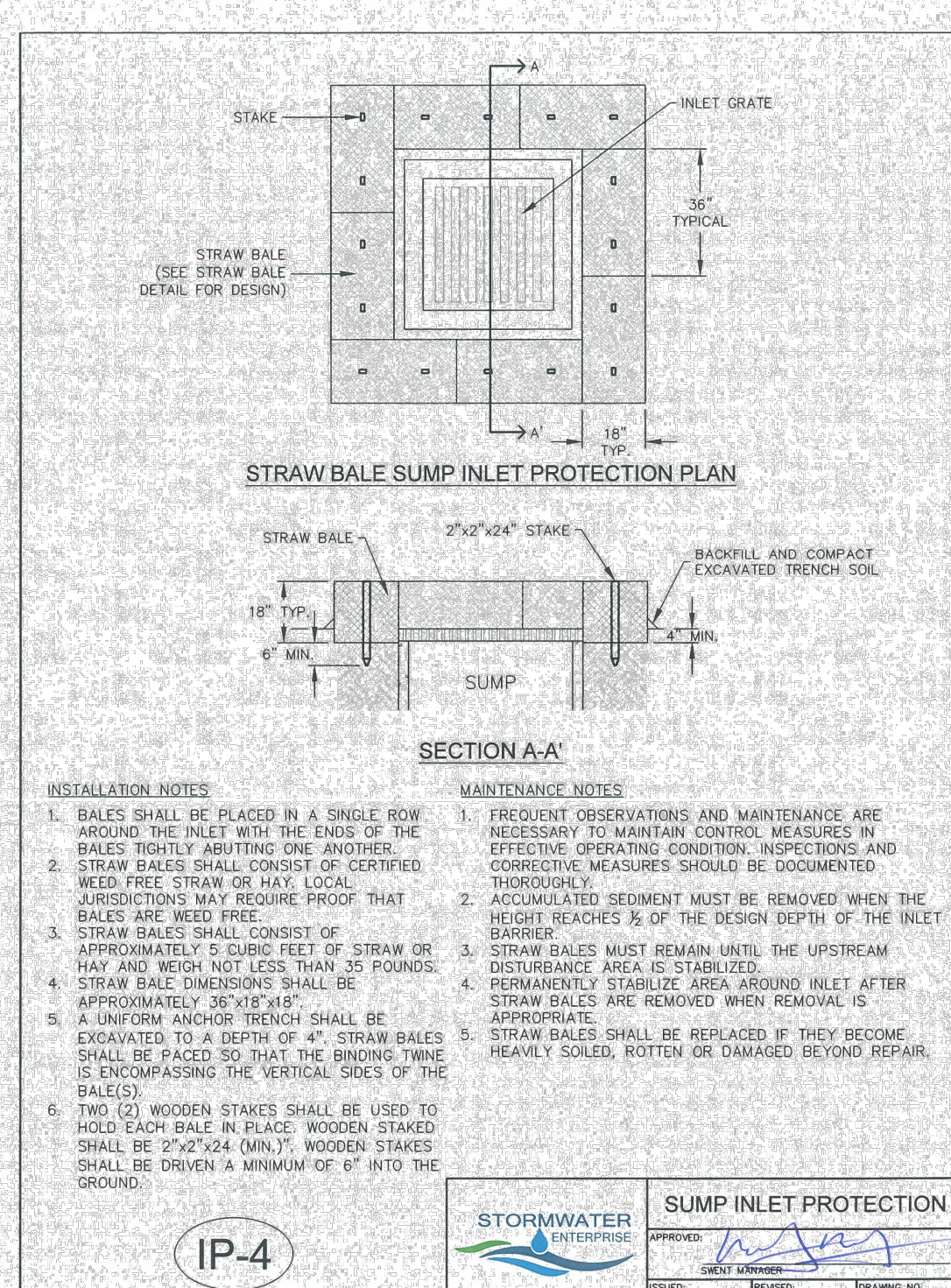
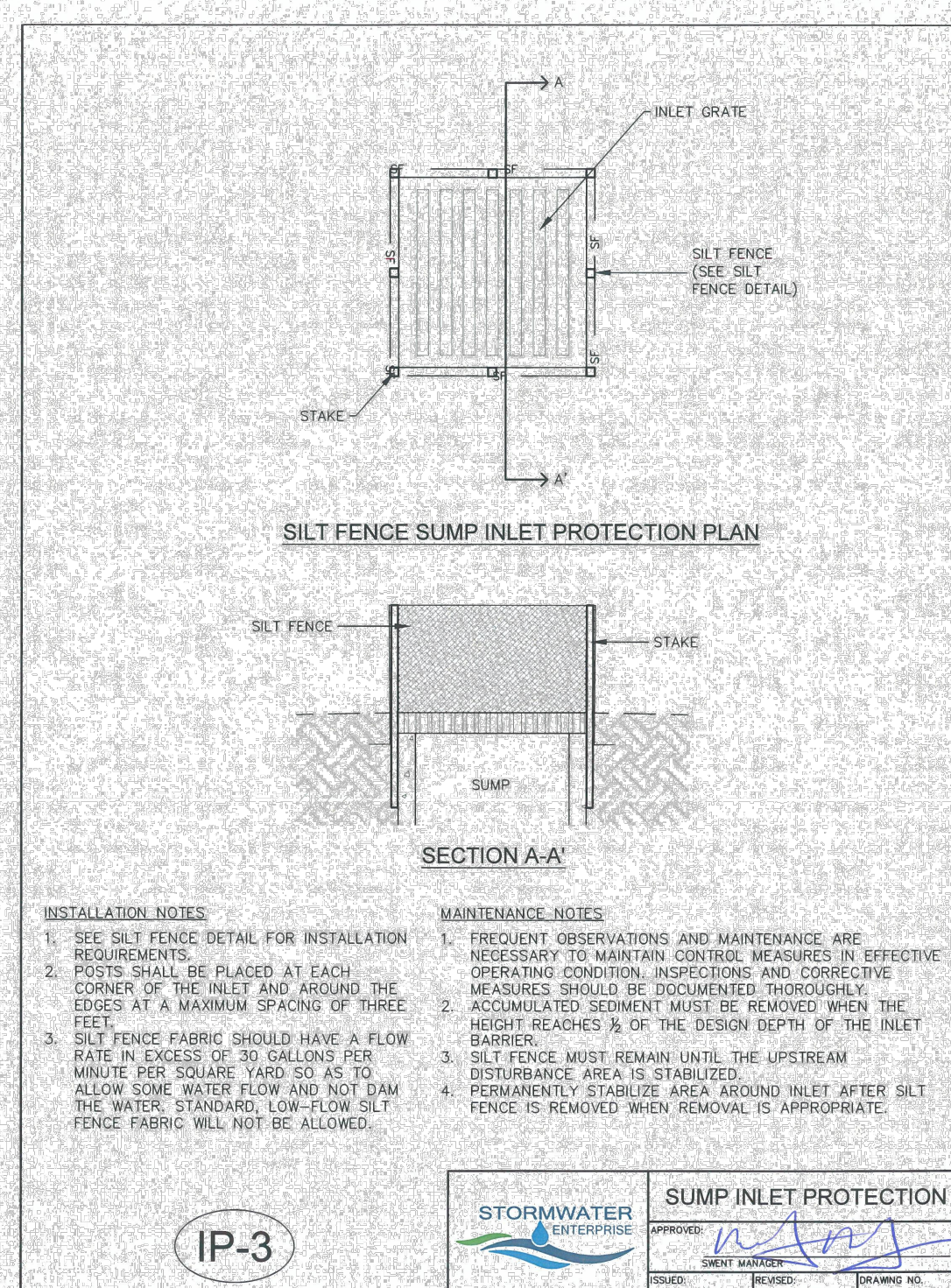
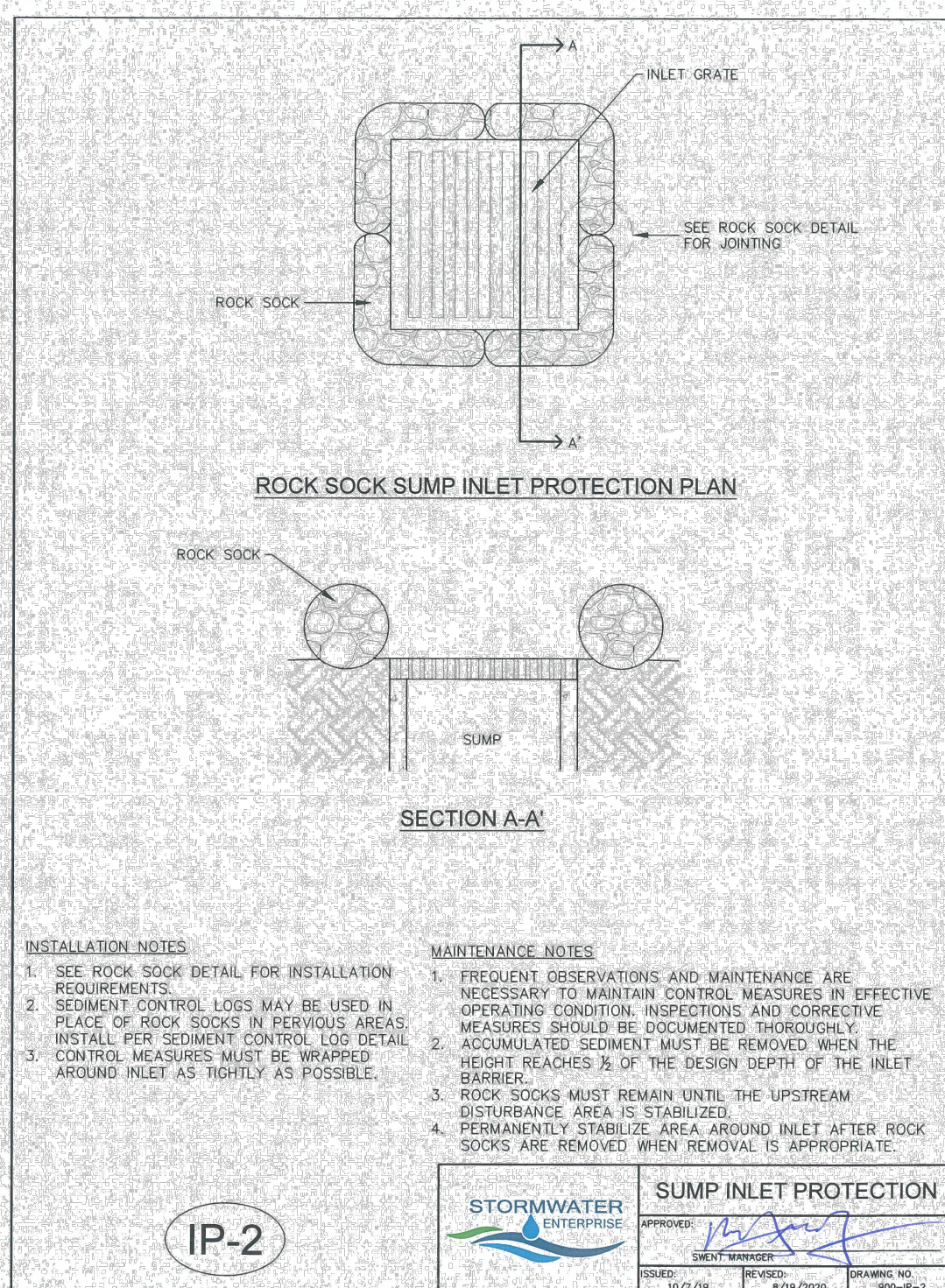
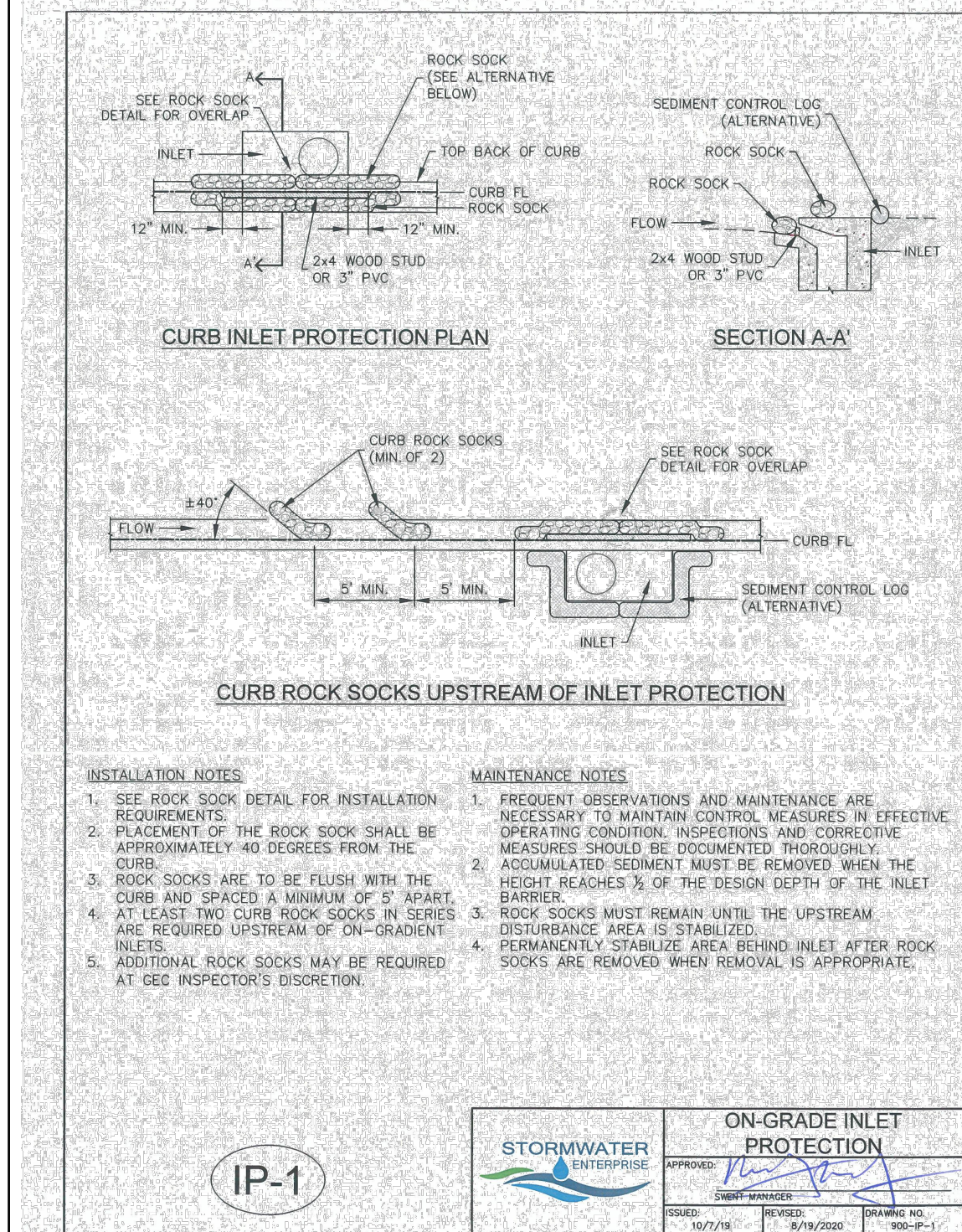
- STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.
 - THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE, AND THE AREA COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.
 - NOTE: MANY MUNICIPALITIES PROHIBIT THE USE OF RECYCLED CONCRETE AS GRANULAR MATERIAL FOR STABILIZED STAGING AREAS DUE TO DIFFICULTIES WITH RE-ESTABLISHMENT OF VEGETATION IN AREAS WHERE RECYCLED CONCRETE WAS PLACED.
 - NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UFGCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.
- (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

SSA-4

Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3

November 2010





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APPROVED: CM JOB NUMBER: 2202774
CAD DATE: 8/25/2023
CAD FILE: J:\2022\2202774\CAD\DWGS\CID\GEC_Details

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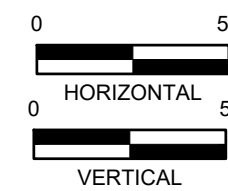
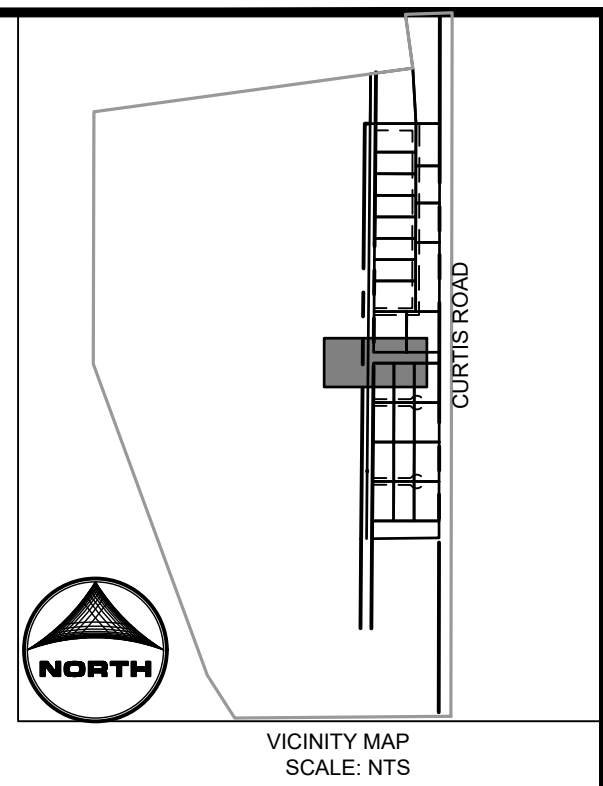
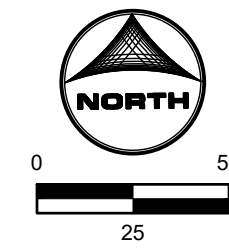
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS, CO 80920
PHONE: 719.394.2440
FAX: 713.965.0044

MEADOW LAKE INDUSTRIAL FILING NO. 1
MEADOWLAKE DEVELOPMENTS, LLC
EL PASO COUNTY, CO

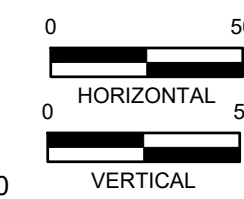
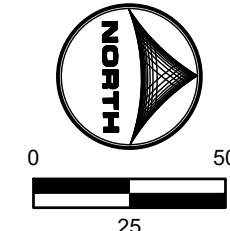
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GEC DETAILS

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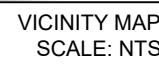
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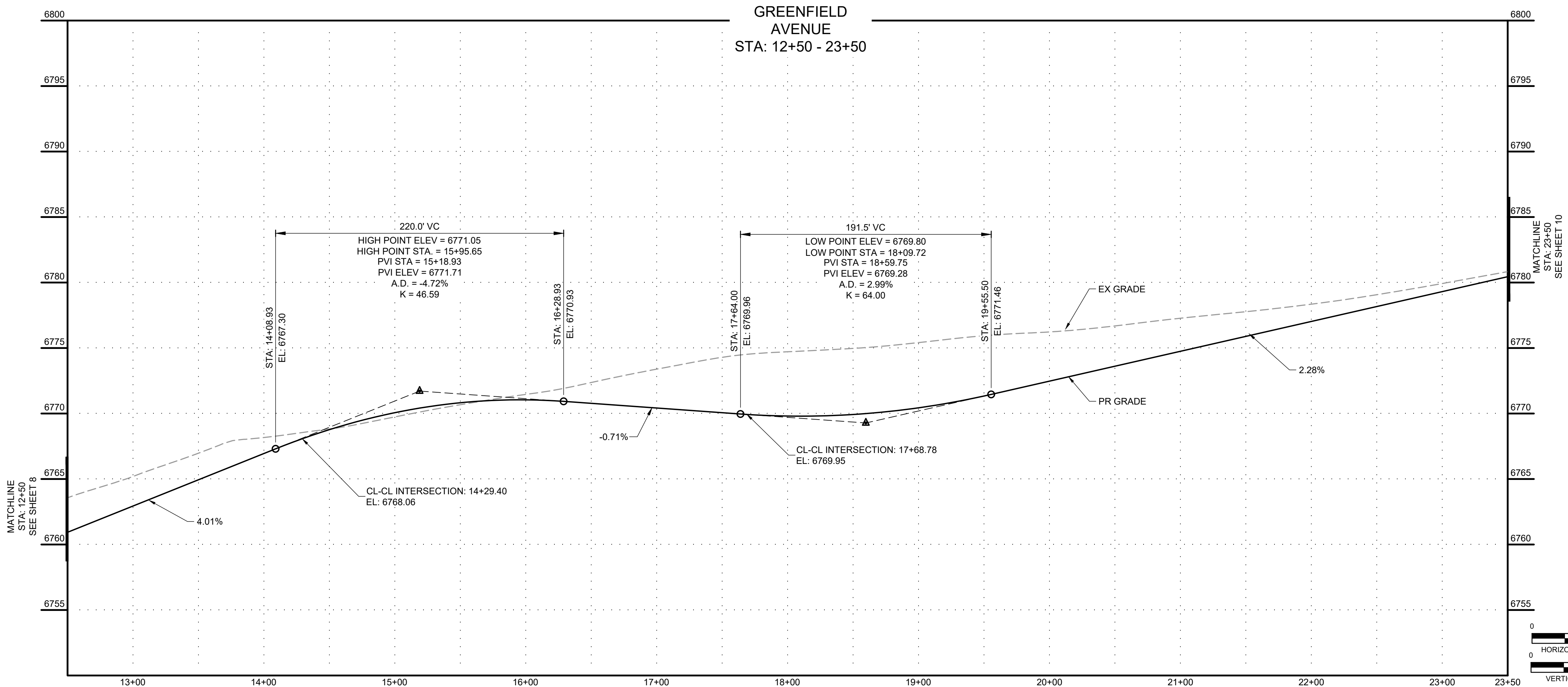
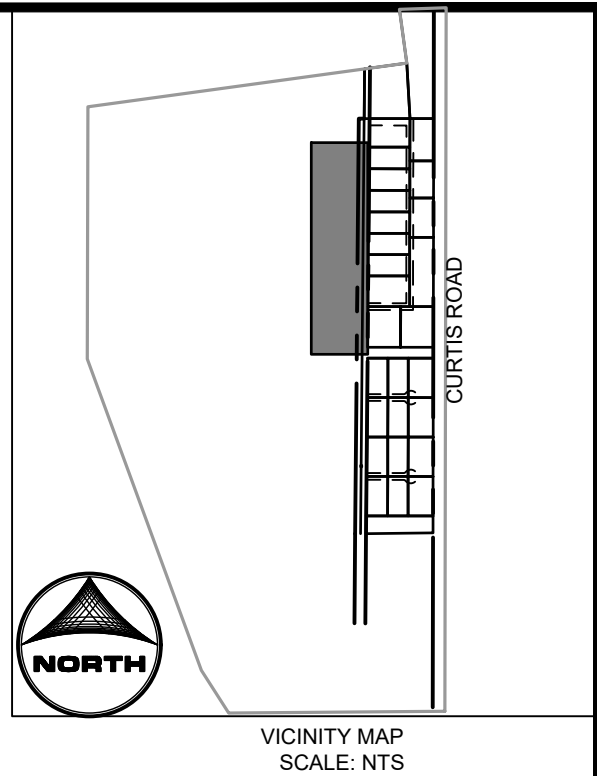
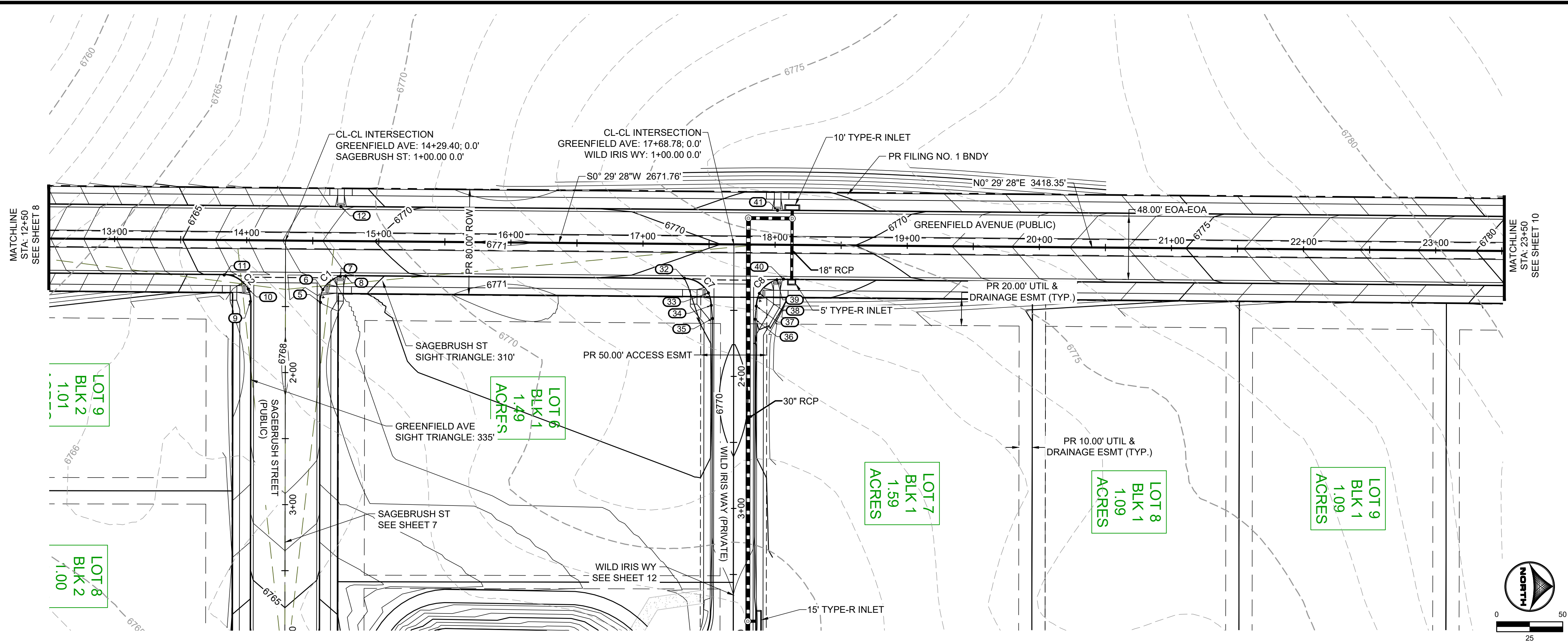


POINT TABLE				
No.	DESC.	ALIGNMENT	STATION & OFFSET	FL EL.
1	MATCH EX ±	SAGEBRUSH ST	7+04.60 (-53.96' L)	6763.6
2	MATCH EX ±	SAGEBRUSH ST	7+04.32 (-54.14' R)	6762.09
3	BEGIN TYPE 2 C&G	SAGEBRUSH ST	6+69.60 (-26.50' L)	6762.46
4	BEGIN TYPE 2 C&G	SAGEBRUSH ST	6+69.33 (26.50' R)	6762.46
5	PCR	SAGEBRUSH ST	1+46.82 (-26.50' L)	6768.00
6	HC RAMP MP	SAGEBRUSH ST	1+37.19 (-28.40' L)	6768.44
7	HC RAMP MP	SAGEBRUSH ST	1+26.93 (-41.51' L)	6769.24
8	PCR	SAGEBRUSH ST	1+26.84 (-45.52' L)	6769.34
9	PCR	SAGEBRUSH ST	1+46.18 (26.50' R)	6767.12
10	HC RAMP MP	SAGEBRUSH ST	1+36.81 (28.27' R)	6767.15
11	PCR	SAGEBRUSH ST	1+26.18 (46.36' R)	6766.13
12	HC RAMP MP	GREENFIELD AVE	14+71.09 (-26.00' L)	6768.73



POINT TABLE				
No.	DESC.	ALIGNMENT	STATION & OFFSET	FL EL.
13	BEGIN TYPE A C&G	GREENFIELD AVE	4+80.99 (-26.00' R)	6735.18
14	BEGIN TYPE A C&G	GREENFIELD AVE	4+80.99 (-26.00' R)	6738.18
15	HC RAMP MP	GREENFIELD AVE	4+99.16 (37.00' R)	6738.82
16	END TYPE A C&G	GREENFIELD AVE	5+01.49 (46.36' R)	6739.38
17	END TYPE C C&G	WILDFLOWER CT	1+56.21 (16.17' R)	6739.51
18	END TYPE C C&G	WILDFLOWER CT	1+56.72 (-16.17' L)	6739.53
19	END TYPE A C&G	GREENFIELD AVE	5+35.49 (46.64' R)	6739.40
20	HC RAMP MP	GREENFIELD AVE	5+37.83 (37.00' R)	6739.26
21	HC RAMP MP	GREENFIELD AVE	5+50.87 (26.65' R)	6739.02
22	HC RAMP MP	GREENFIELD AVE	5+50.87 (-26.00' L)	6738.52
23	PCR	GREENFIELD AVE	10+61.80 (25.92' R)	6752.75
24	HC RAMP MP	GREENFIELD AVE	10+79.97 (37.00' R)	6754.12
25	END TYPE A C&G	GREENFIELD AVE	10+82.31 (46.36' R)	6754.41
26	END TYPE C C&G	MARIPOSA LILY CT	1+56.21 (16.17' R)	6754.99
27	END TYPE C C&G	MARIPOSA LILY CT	1+56.72 (-16.17' L)	6754.63
28	END TYPE A C&G	GREENFIELD AVE	11+16.31 (46.64' R)	6754.68
29	HC RAMP MP	GREENFIELD AVE	11+18.64 (37.00' R)	6754.77
30	HC RAMP MP	GREENFIELD AVE	11+31.81 (26.62' R)	6756.05
31	HC RAMP MP	GREENFIELD AVE	11+31.81 (-26.00' L)	6755.55





Curve Table				
Curve #	Length	Radius	Delta	Centerline/Flowline
C1	32.34	20.50	90°23'28"	Flowline
C2	32.06	20.50	89°36'32"	Flowline
C7	32.06	20.50	89°36'32"	Flowline
C8	32.34	20.50	90°23'28"	Flowline

POINT TABLE				
No.	DESC.	ALIGNMENT	STATION & OFFSET	FL EL.
5	PCR	SAGEBRUSH ST	1+46.82 (-26.50' L)	6768.00
6	HC RAMP MP	SAGEBRUSH ST	1+37.19 (-28.40' L)	6768.44
7	HC RAMP MP	SAGEBRUSH ST	1+26.93 (-41.51' L)	6769.24
8	PCR	SAGEBRUSH ST	1+26.84 (-45.52' L)	6769.34
9	PCR	SAGEBRUSH ST	1+46.18 (26.50' R)	6767.12
10	HC RAMP MP	SAGEBRUSH ST	1+36.81 (28.27' R)	6767.15
11	PCR	SAGEBRUSH ST	1+26.18 (46.36' R)	6766.13
12	HC RAMP MP	GREENFIELD AVE	14+71.09 (-26.00' L)	6768.73
32	PCR	GREENFIELD AVE	17+31.60 (26.00' R)	6769.55
33	HC RAMP MP	GREENFIELD AVE	17+49.77 (37.00' R)	6769.61
34	END TYPE A C&G	GREENFIELD AVE	17+52.10 (46.36' R)	6769.63
35	END TYPE C C&G	GREENFIELD AVE	17+53.00 (56.32' R)	6769.66
37	BEGIN TYPE A C&G	GREENFIELD AVE	17+86.10 (46.64' R)	6769.40
38	HC RAMP MP	WILDFLOWER CT	1+45.67 (-1269.98' L)	6769.33
39	HC RAMP MP	WILDFLOWER CT	1+35.38 (-1283.22' L)	6769.19
40	PCR	WILDFLOWER CT	1+34.80 (-1288.22' L)	6769.15

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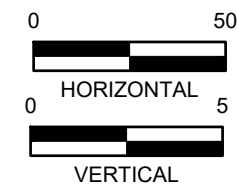
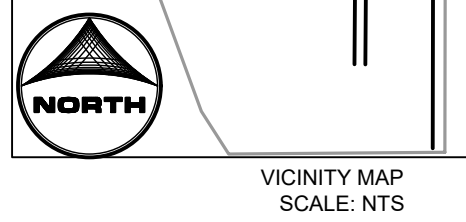
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HRGreen
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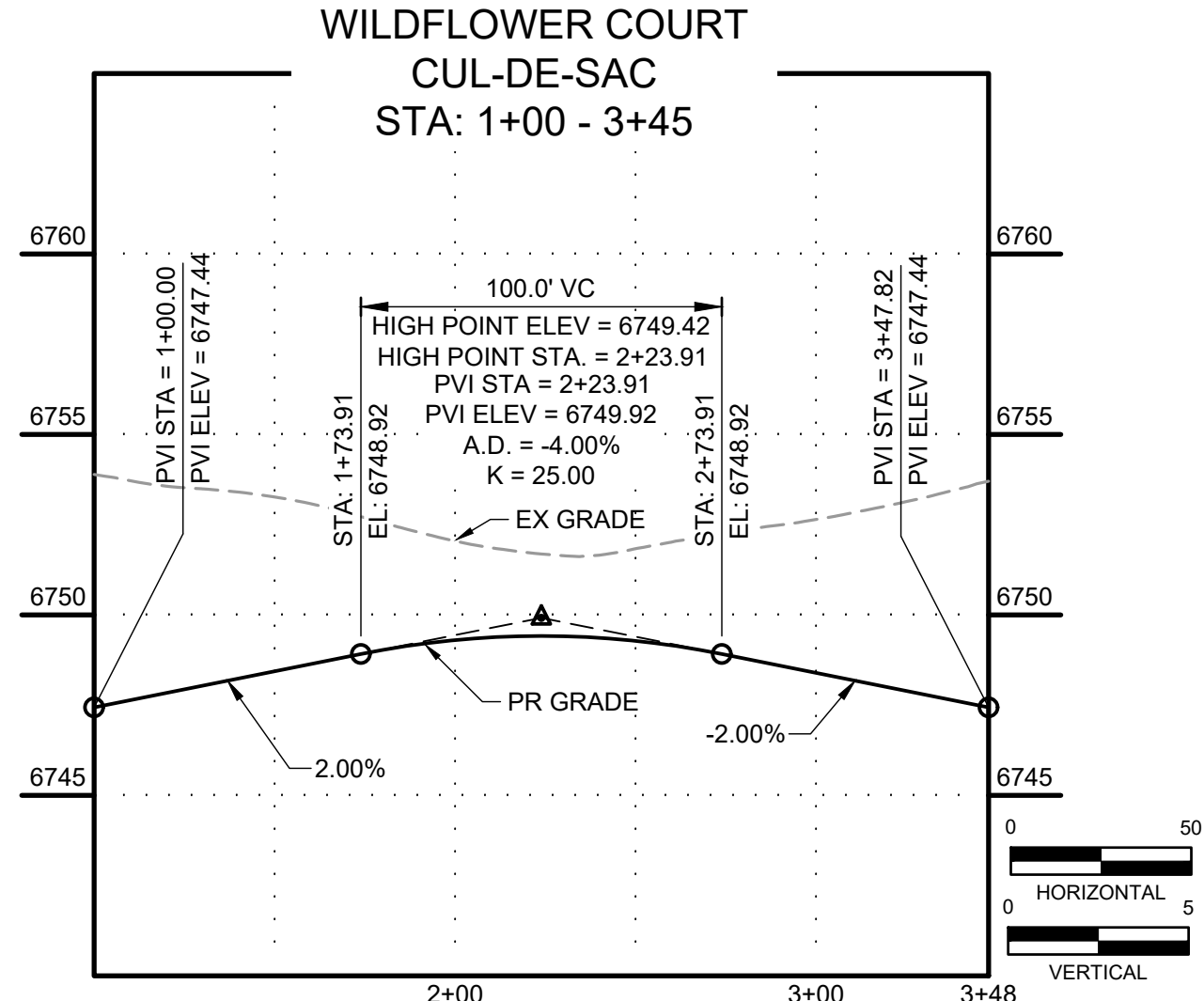
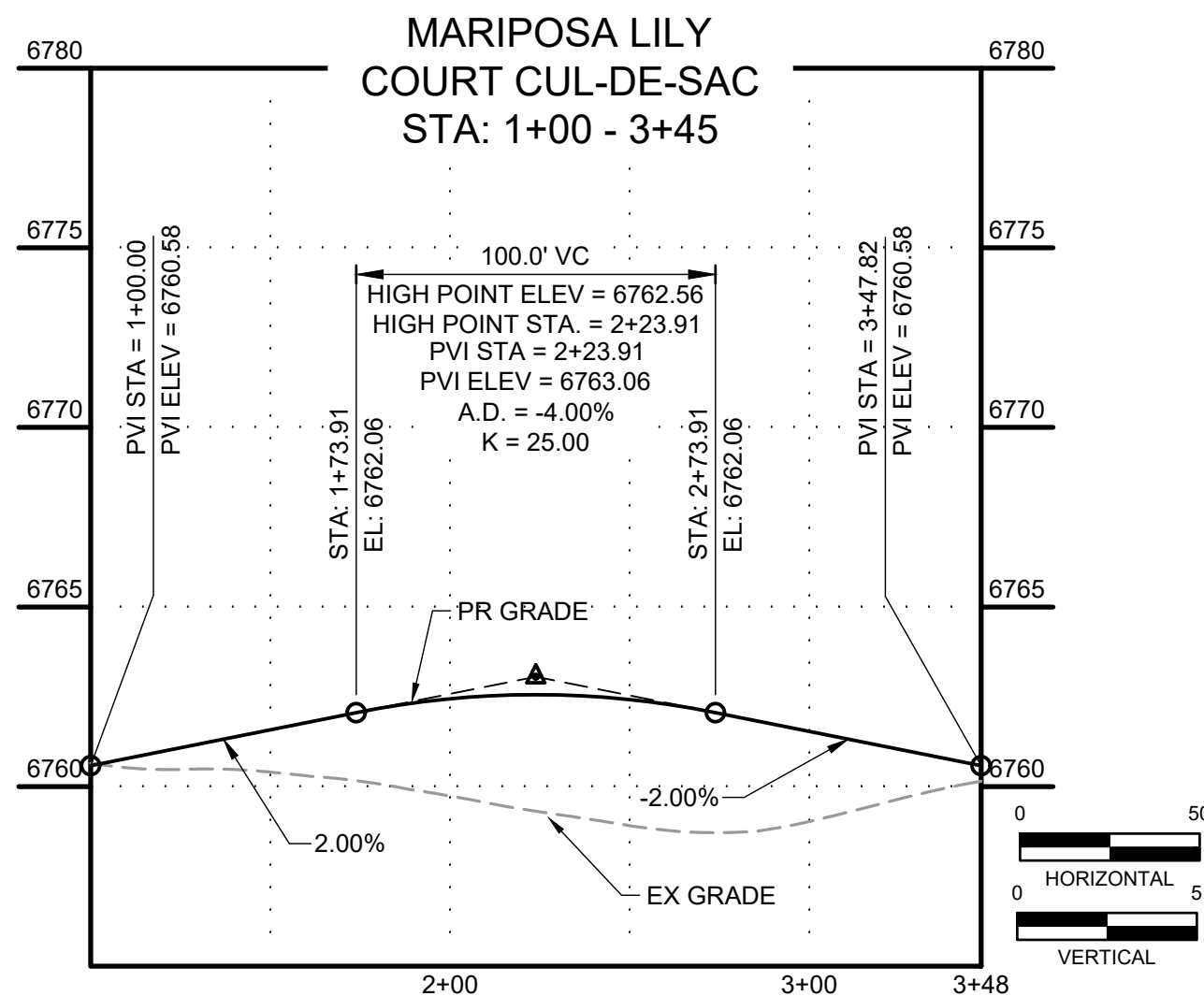
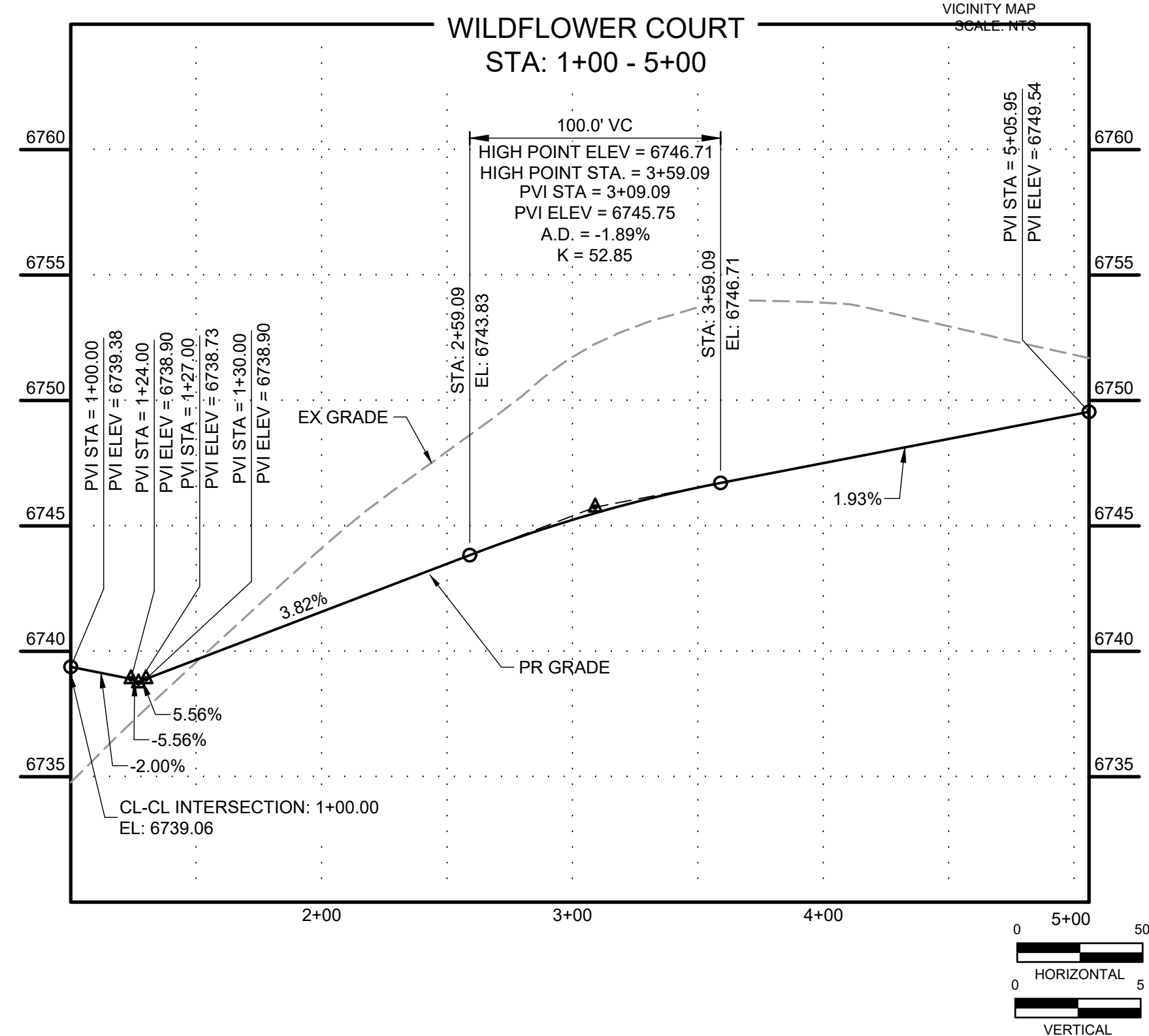
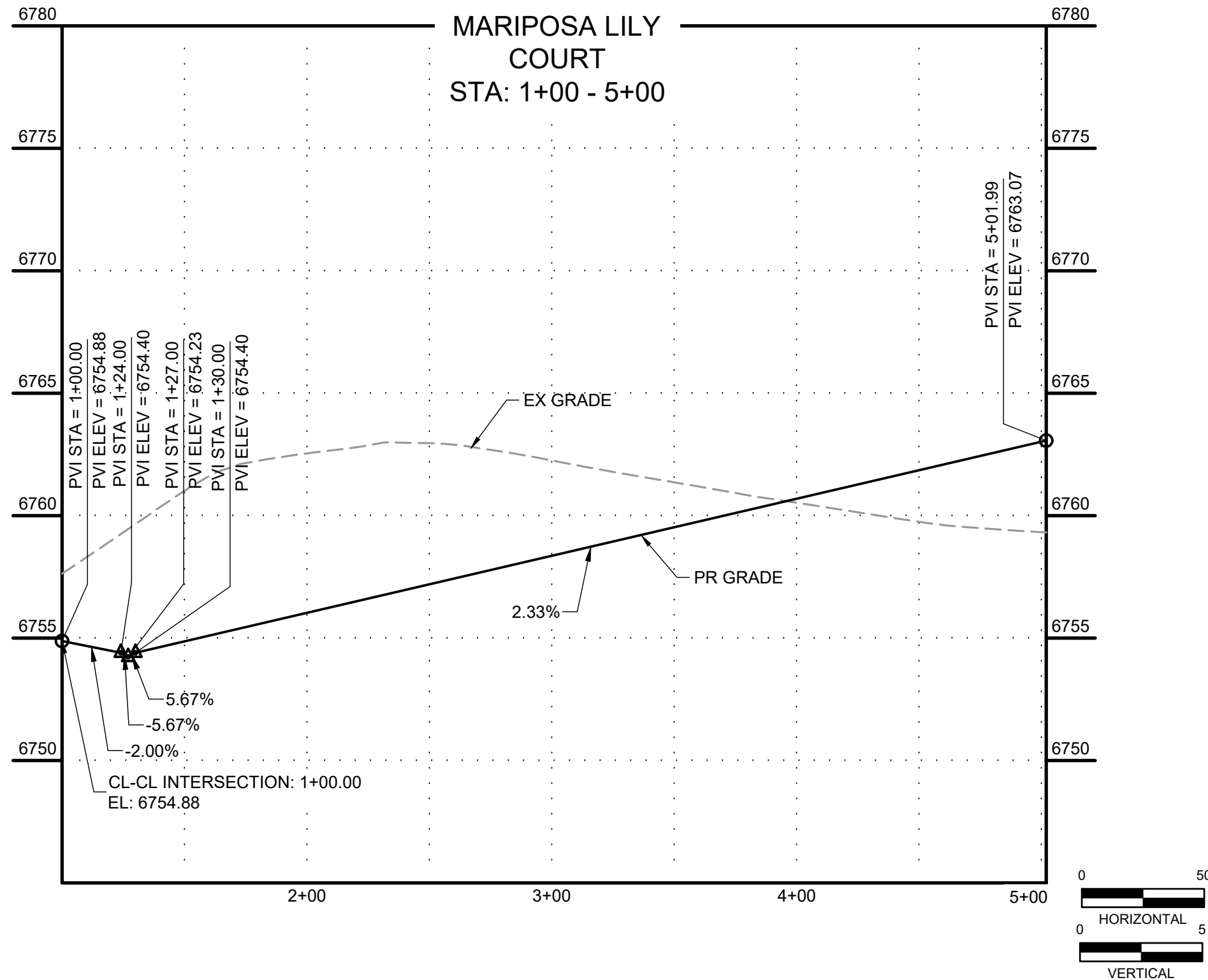
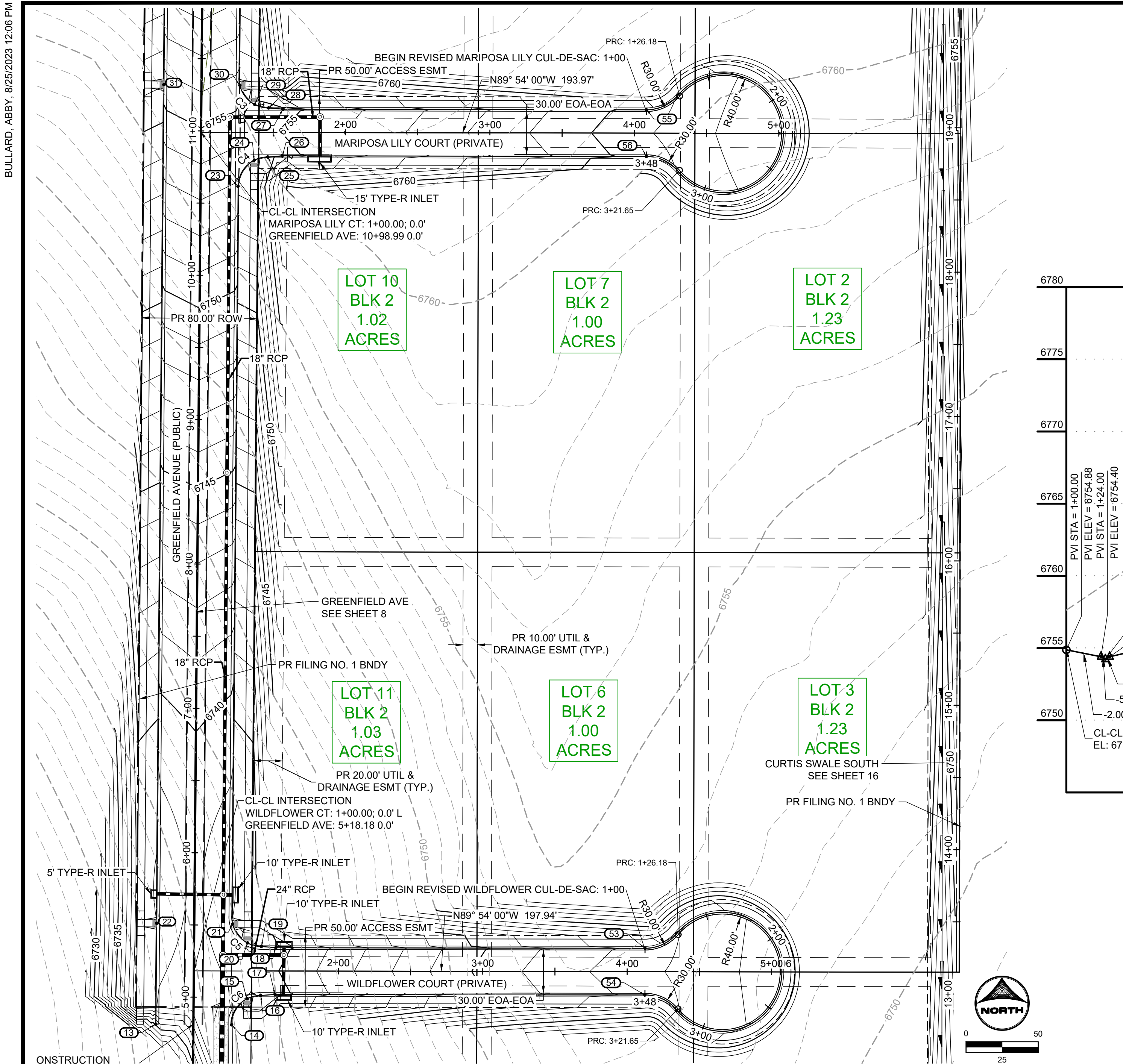
CONSTRUCTION DOCUMENTS
STREET PLAN & PROFILE

SHEET
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9



POINT TABLE				
No.	DESC.	ALIGNMENT	STATION & OFFSET	FL EL.
42	PCR	GREENFIELD AVE	30+90.57 (28.00' R)	6796.67
43	HC RAMP MP	GREENFIELD AVE	30+95.57 (26.62' R)	6797.13
44	HC RAMP MP	GREENFIELD AVE	31+08.74 (37.00' R)	6797.44
45	END TYPE A C&G	GREENFIELD AVE	31+11.07 (46.36' R)	6797.69
46	BEGIN TYPE C C&G	WILD IRIS WY	20+41.72 (-16.17' L)	6797.72
47	BEGIN TYPE C C&G	WILD IRIS WY	20+41.21 (16.17' R)	6797.73
48	END TYPE A C&G	GREENFIELD AVE	31+45.07 (46.64' R)	6798.11
49	HC RAMP MP	GREENFIELD AVE	31+47.41 (37.00' R)	6798.15
50	END TYPE A C&G	GREENFIELD AVE	31+65.57 (26.00' R)	6799.37
51	END TYPE A C&G	GREENFIELD AVE	31+65.57 (-26.00' L)	6798.93
52	HC RAMP MP	GREENFIELD AVE	30+95.64 (-26.05' L)	6797.00

10



Curve Table				
Curve #	Length	Radius	Delta	Centerline/Flowline
C3	32.34	20.50	90°23'28"	Flowline
C4	32.06	20.50	89°36'32"	Flowline
C5	32.34	20.50	90°23'28"	Flowline
C6	32.06	20.50	89°36'32"	Flowline

POINT TABLE				
No.	DESC.	ALIGNMENT	STATION & OFFSET	FL EL.
13	BEGIN TYPE A C&G	GREENFIELD AVE	4+80.99 (-26.00' L)	6735.18
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21	HC RAMP MP	GREENFIELD AVE	5+50.87 (26.65' R)	6739.02
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24	HC RAMP MP	GREENFIELD AVE	10+79.97 (37.00' R)	6754.12
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27	END TYPE C C&G	MARIPOSA LILY CT	1+56.72 (-16.17' L)	6754.63
28	END TYPE A C&G	GREENFIELD AVE	11+16.31 (46.64' R)	6754.68
29	HC RAMP MP	GREENFIELD AVE	11+18.64 (37.00' R)	6754.77
30	HC RAMP MP	GREENFIELD AVE	11+31.81 (26.62' R)	6756.05

POINT TABLE				
No.	DESC.	ALIGNMENT	STATION & OFFSET	FL EL.
31	HC RAMP MP	GREENFIELD AVE	11+31.81 (-26.00' L)	6755.55
53	PCR	WILDFLOWER CT	4+12.33 (-16.17' L)	6747.35
54	PCR	WILDFLOWER CT	4+12.33 (16.17' R)	6747.35
55	PCR	WILDFLOWER CT	4+12.33 (-596.97' L)	6760.49
56	PCR	WILDFLOWER CT	4+12.33 (-564.63' L)	6760.49

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NO.	DATE	BY	REVISION DESCRIPTION



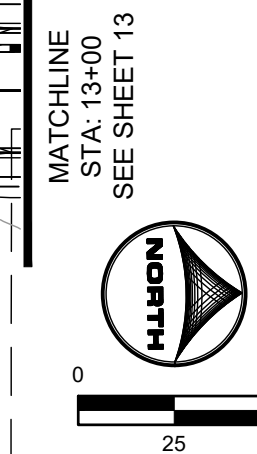
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COLORADO SPRINGS, CO 80920
PHONE: 719.384.2440
FAX: 713.965.0044

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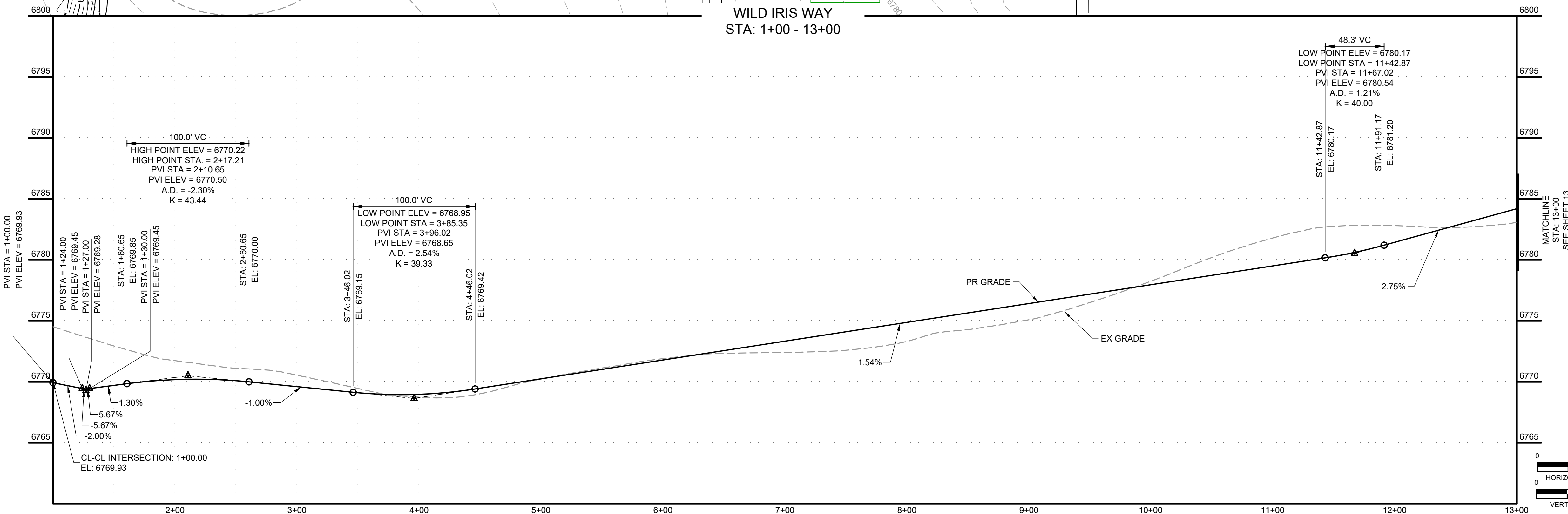
CONSTRUCTION DOCUMENTS
STREET PLAN & PROFILE

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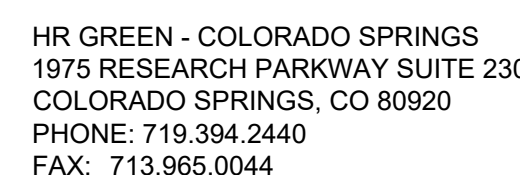
11



POINT TABLE				
No.	DESC.	ALIGNMENT	STATION & OFFSET	FL EL.
32	PCR	GREENFIELD AVE	17+31.60 (26.00' R)	6769.55
33	HC RAMP MP	GREENFIELD AVE	17+49.77 (37.00' R)	6769.61
34	END TYPE A C&G	GREENFIELD AVE	17+52.10 (46.36' R)	6769.63
35	END TYPE C C&G	GREENFIELD AVE	17+53.00 (56.32' R)	6769.66
36	END TYPE C C&G	GREENFIELD AVE	17+85.34 (56.61' R)	6769.48
37	BEGIN TYPE A C&G	GREENFIELD AVE	17+86.10 (46.64' R)	6769.40
38	HC RAMP MP	WILDFLOWER CT	1+45.67 (-1269.98' L)	6769.33
39	HC RAMP MP	WILDFLOWER CT	1+35.38 (-1283.22' L)	6769.19
40	PCR	WILDFLOWER CT	1+34.80 (-1288.22' L)	6769.15
41	HC RAMP MP	GREENFIELD AVE	18+01.60 (-28.00' L)	6769.16

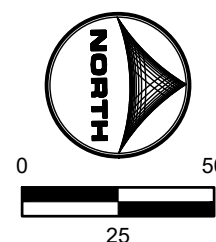


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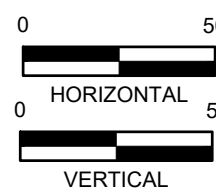
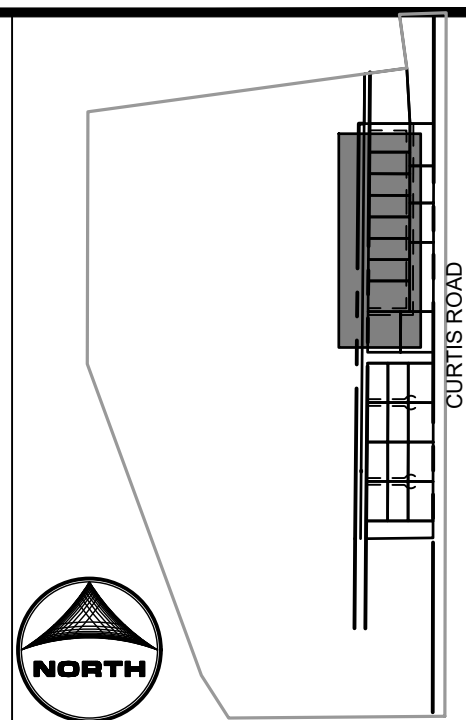



CONSTRUCTION DOCUMENTS
STREET PLAN & PROFILE

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POINT TABLE				
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42	PCR	GREENFIELD AVE	30+90.57 (26.00' R)	6796.67
43	HC RAMP MP	GREENFIELD AVE	30+95.57 (26.62' R)	6797.13
44	HC RAMP MP	GREENFIELD AVE	31+08.74 (37.00' R)	6797.44
45	END TYPE A C&G	GREENFIELD AVE	31+11.07 (48.36' R)	6797.69
46	BEGIN TYPE C C&G	WILD IRIS WY	20+41.72 (-16.17' L)	6797.72
47	BEGIN TYPE C C&G	WILD IRIS WY	20+41.21 (16.17' R)	6797.73
48	END TYPE A C&G	GREENFIELD AVE	31+45.07 (46.64' R)	6798.11
49	HC RAMP MP	GREENFIELD AVE	31+47.41 (37.00' R)	6798.15
50	END TYPE A C&G	GREENFIELD AVE	31+65.57 (26.00' R)	6799.37
51	END TYPE A C&G	GREENFIELD AVE	31+65.57 (-26.00' L)	6798.93
52	HC RAMP MP	GREENFIELD AVE	30+95.64 (-26.05' L)	6797.00



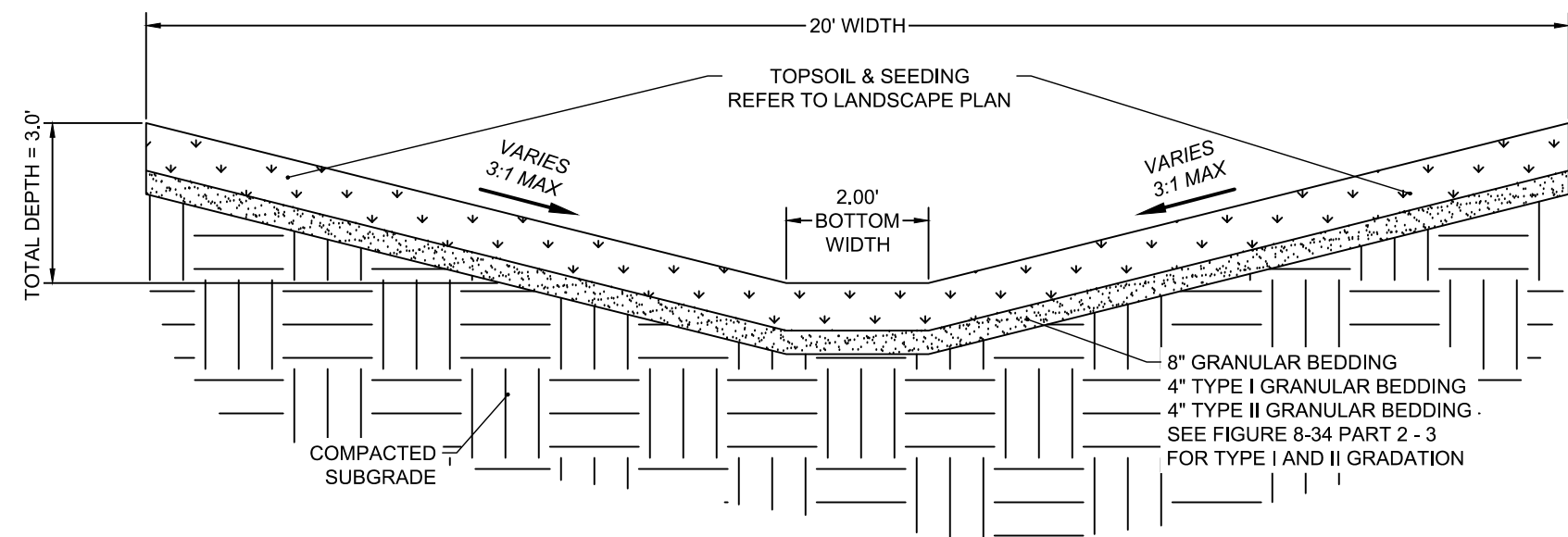
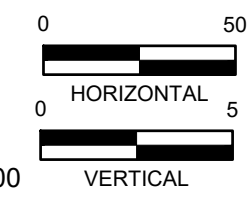
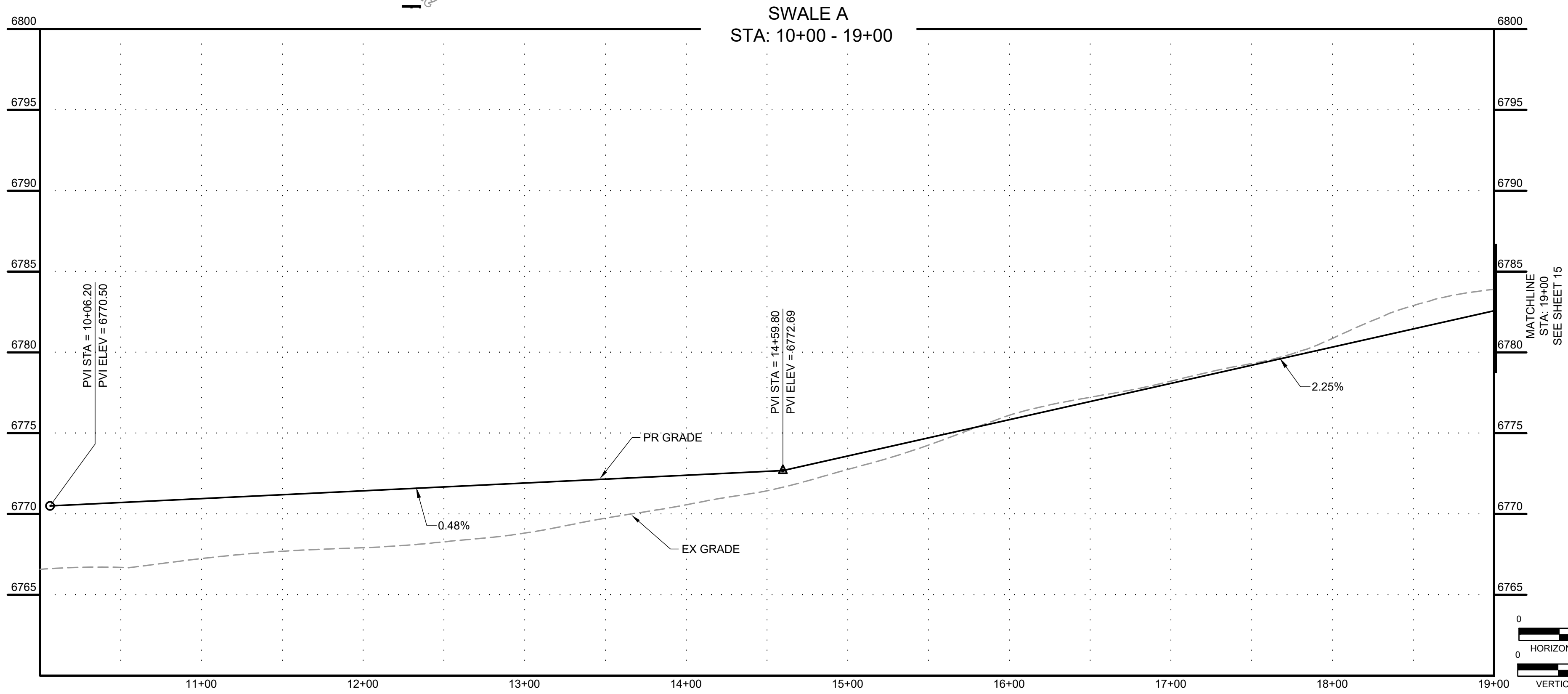
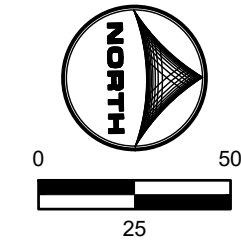
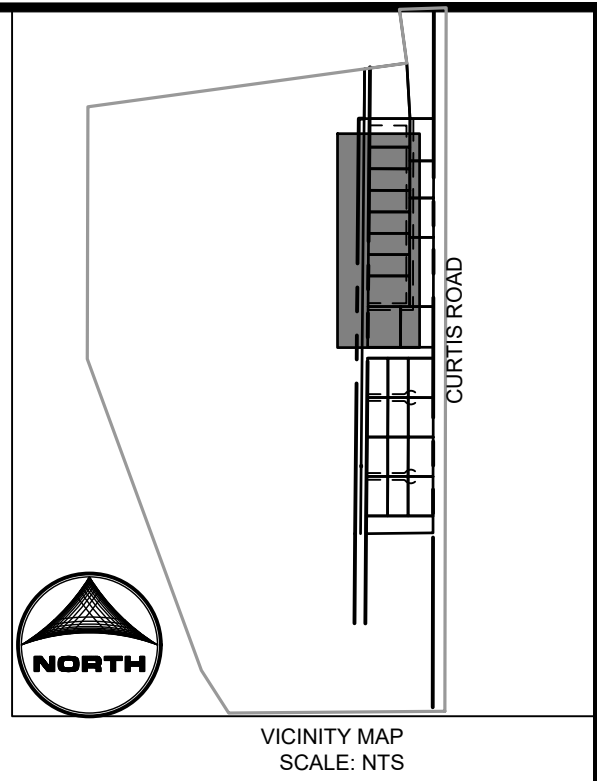
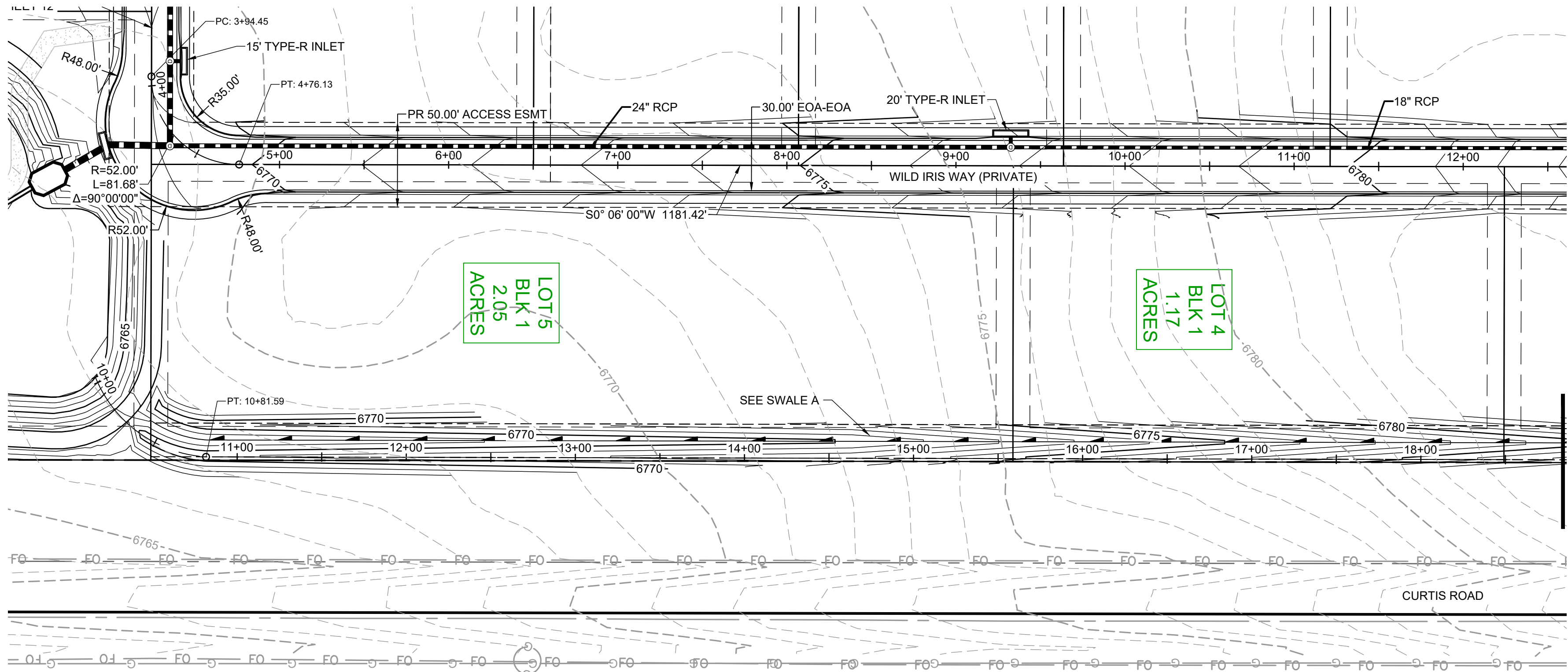
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SHEET
ST

BULLARD ABBY 8/25/2023 12:07 PM



SWALE - TYPICAL SECTION
SCALE: 1" = 2'

HR GREEN Xrefs: xc-cow-2774; xc-dgpn-2774; xc-row-2774; xc-ull-2774; xc-1-dto-2774; Key_Map_Channel_xsection

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APPROVED: CM JOB NUMBER: 2202774
CAD DATE: 8/25/2023
CAD FILE: J:\2022\2202774\CAD\DWG\IC\CD\Street_PNP

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0 1"
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

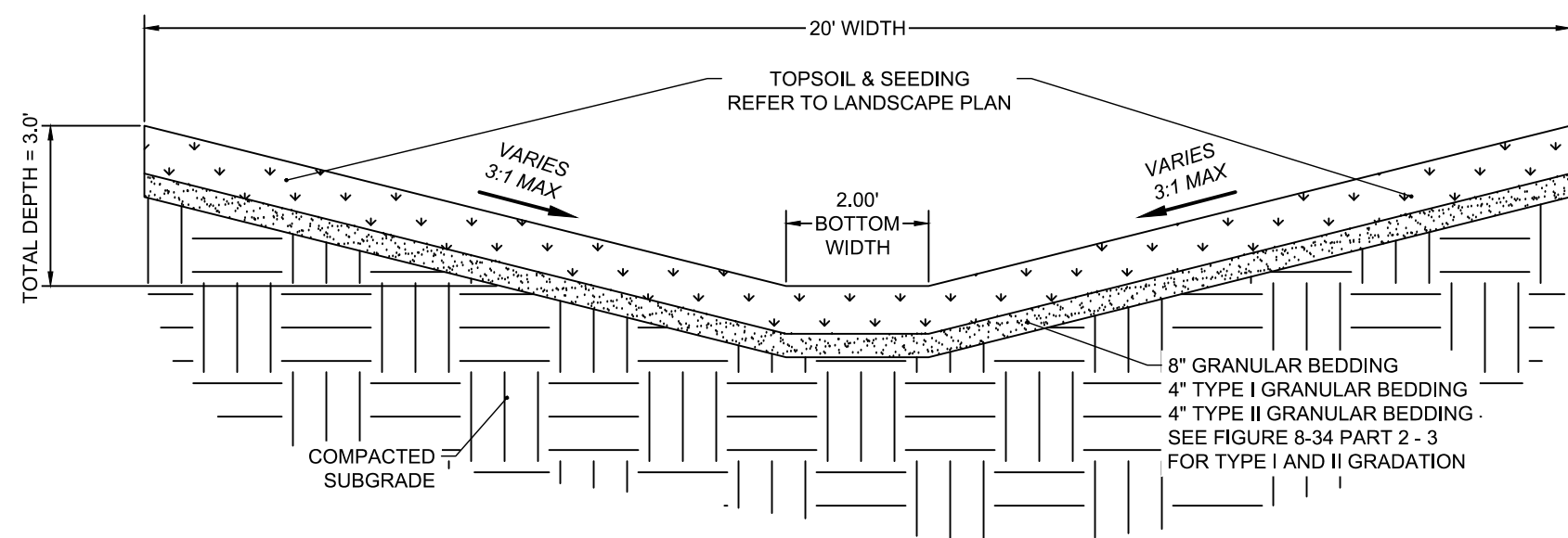
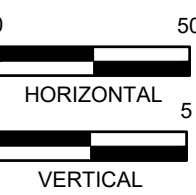
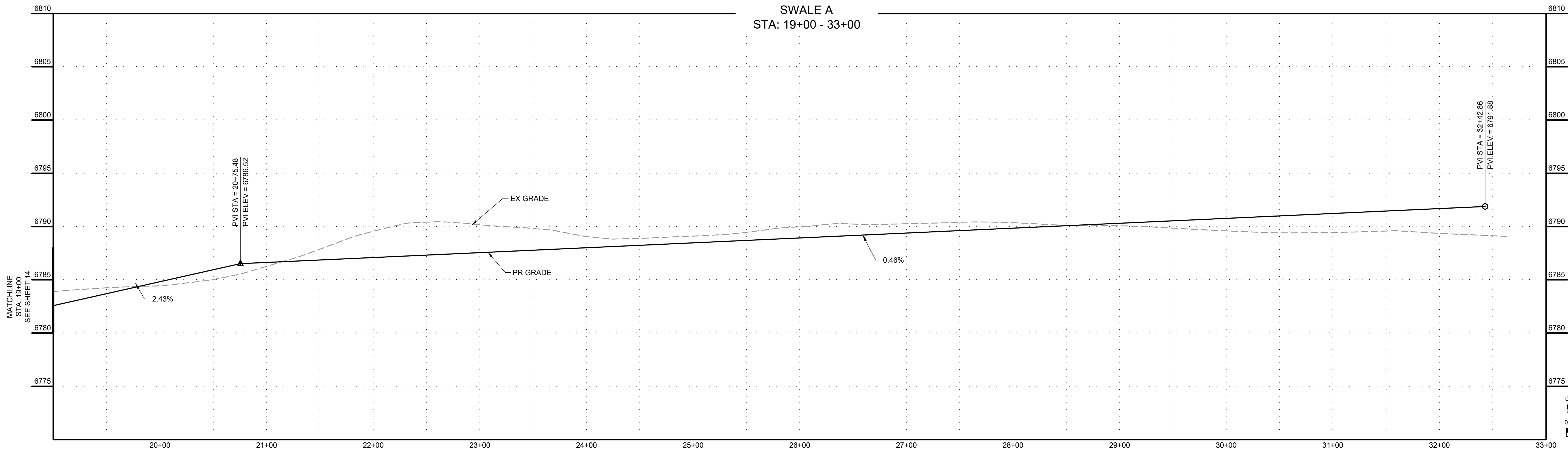
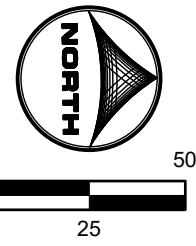
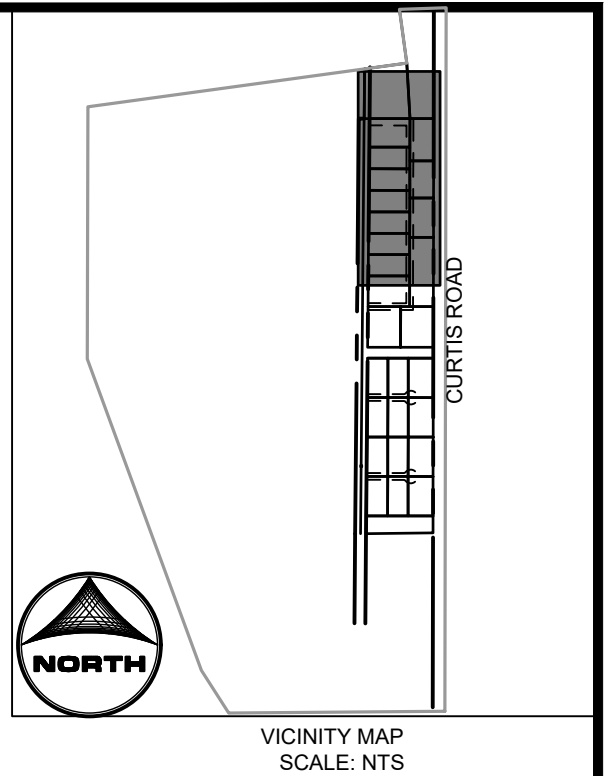
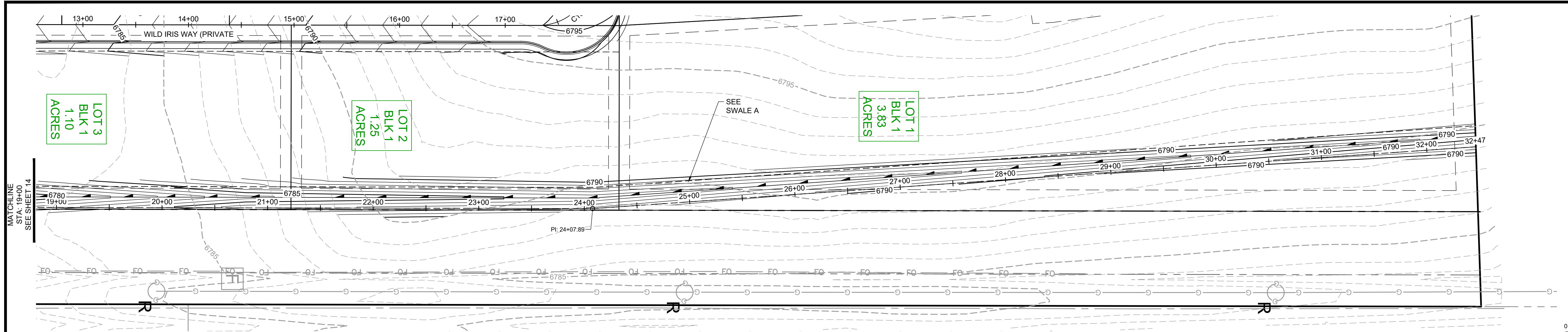
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PHONE: 719.384.2440
FAX: 713.965.0044

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SWALE PLAN & PROFILE

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SW

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SWALE - TYPICAL SECTION
SCALE: 1" = 2'

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APPROVED: CM JOB NUMBER: 2202774
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CAD FILE: J:\2022\2202774\CAD\DWG\ICDI\Street_PNP

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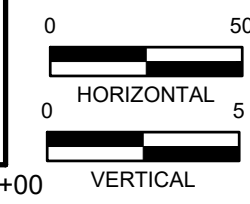
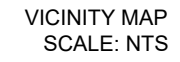
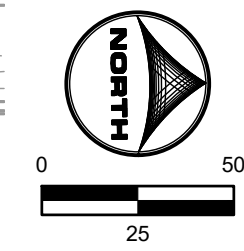
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PHONE: 719.394.2440
FAX: 713.965.0044

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EL PASO COUNTY, CO

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SWALE PLAN & PROFILE

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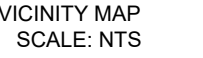
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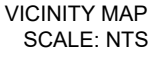
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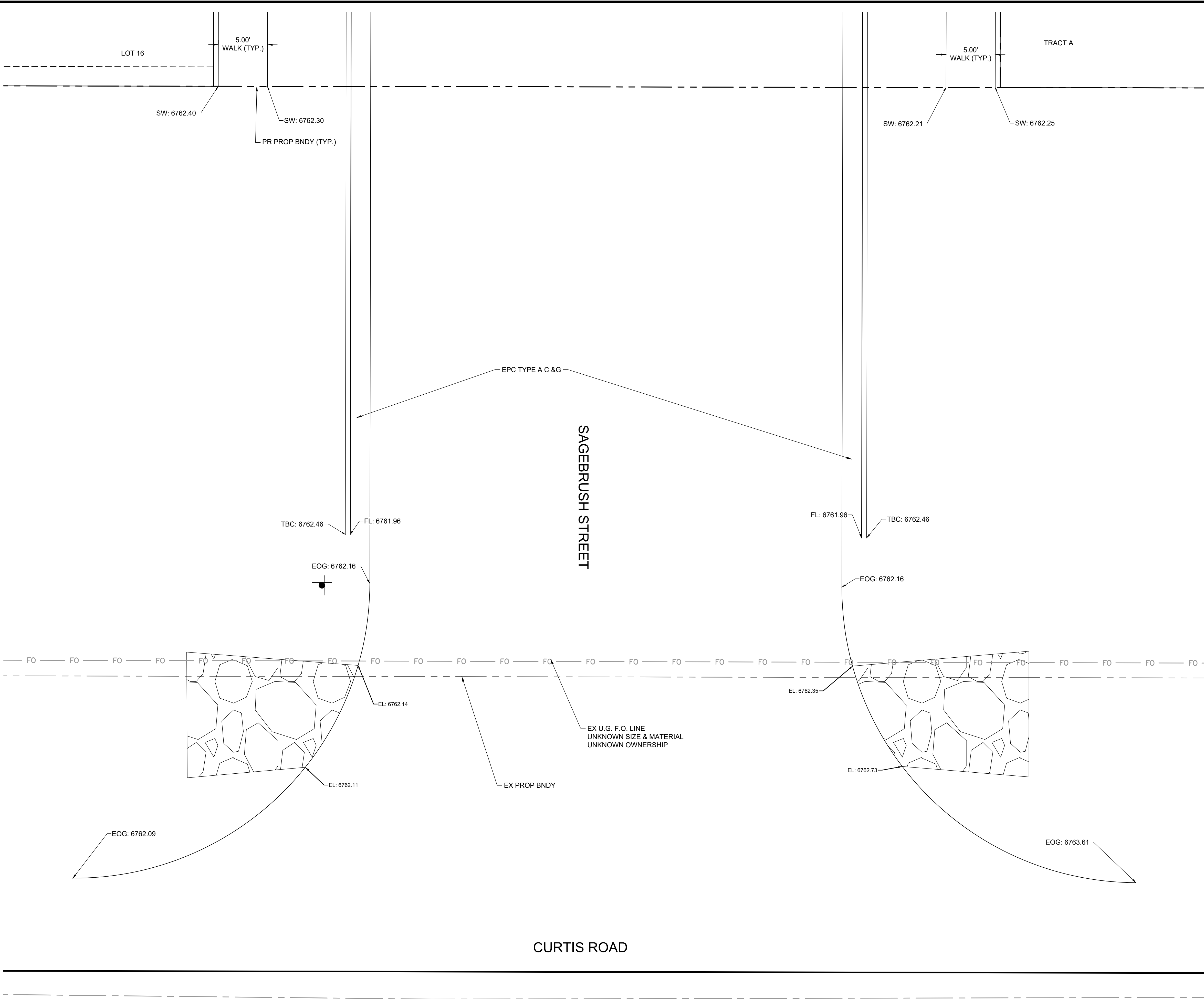
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FAX: 713.965.0044

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17

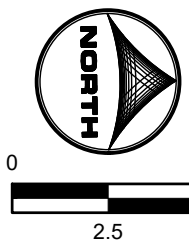
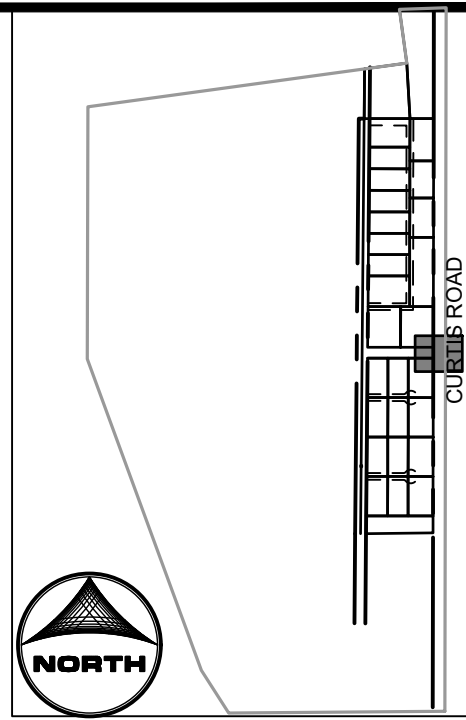
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IN PROGRESS




VICINITY MAP
SCALE: NTS



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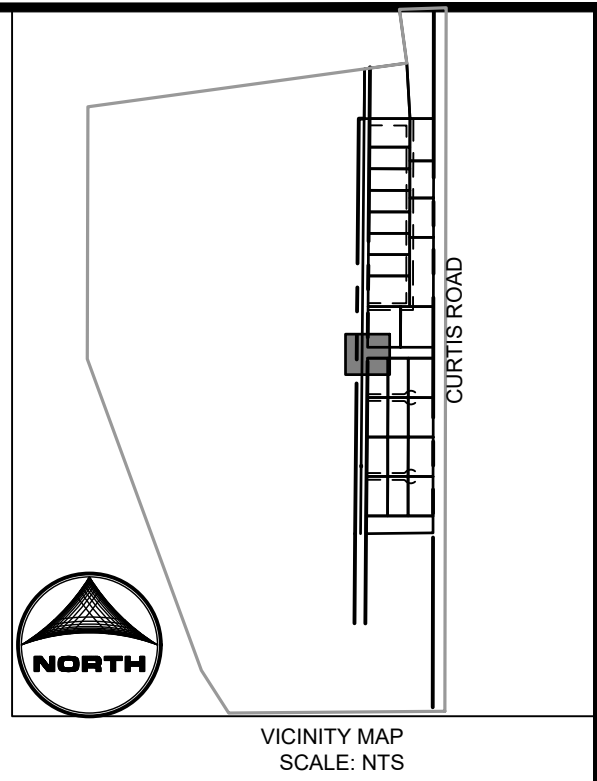
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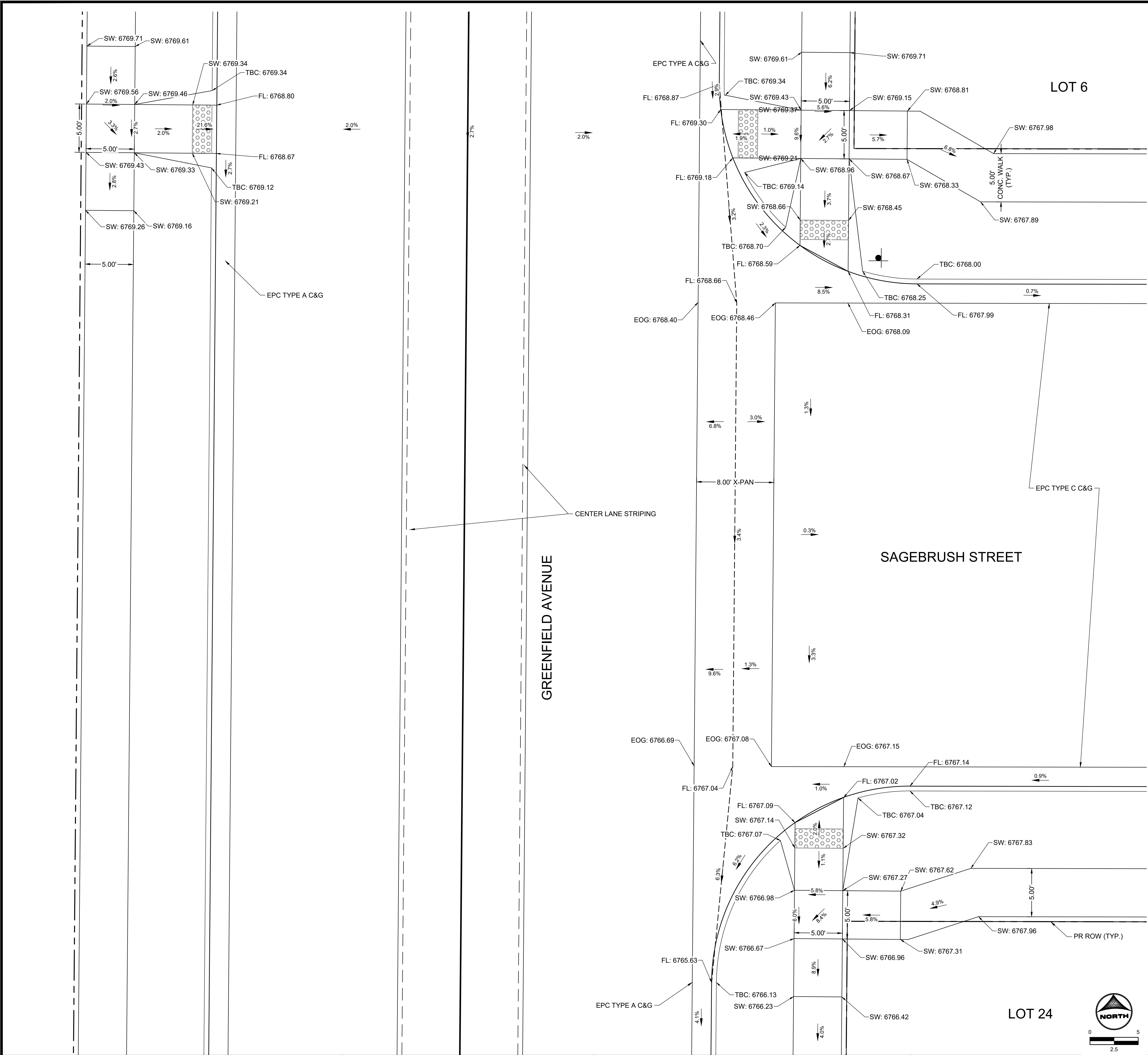
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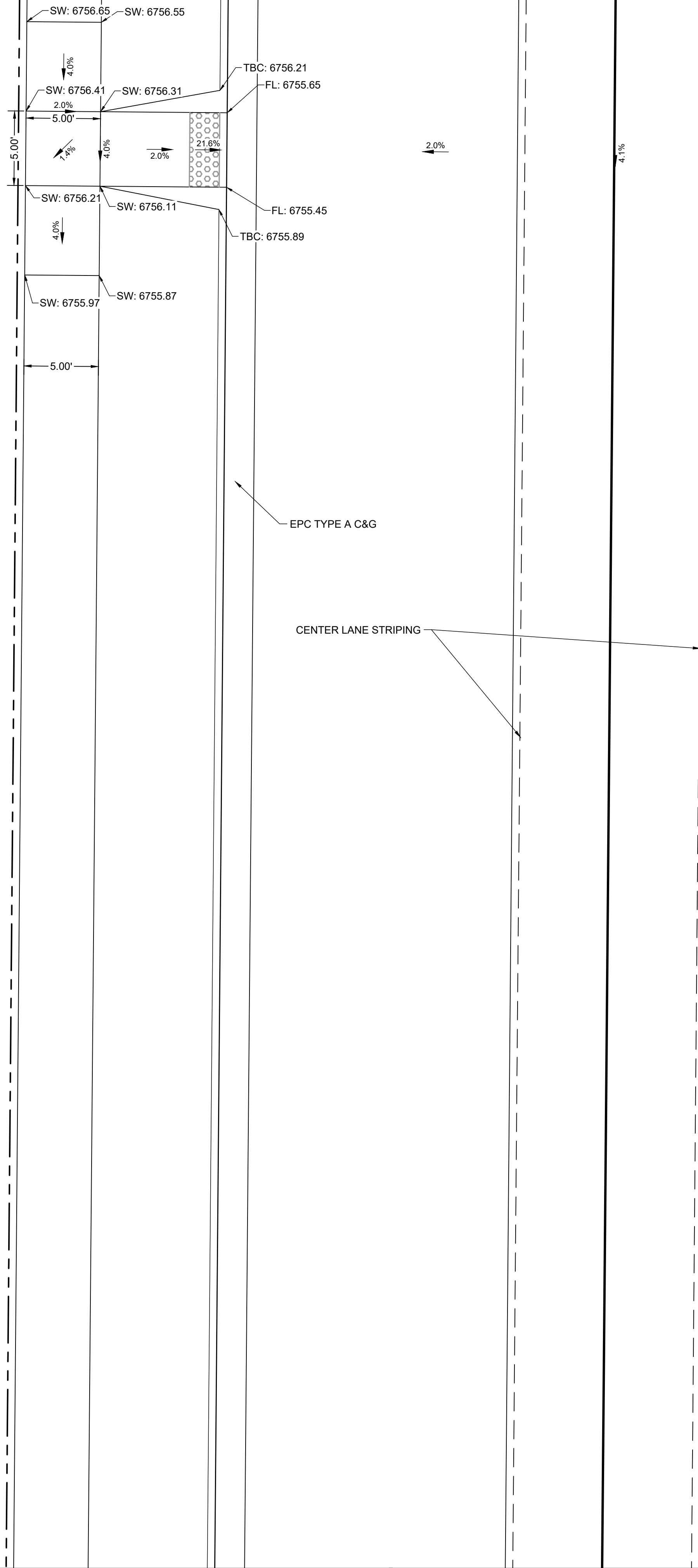
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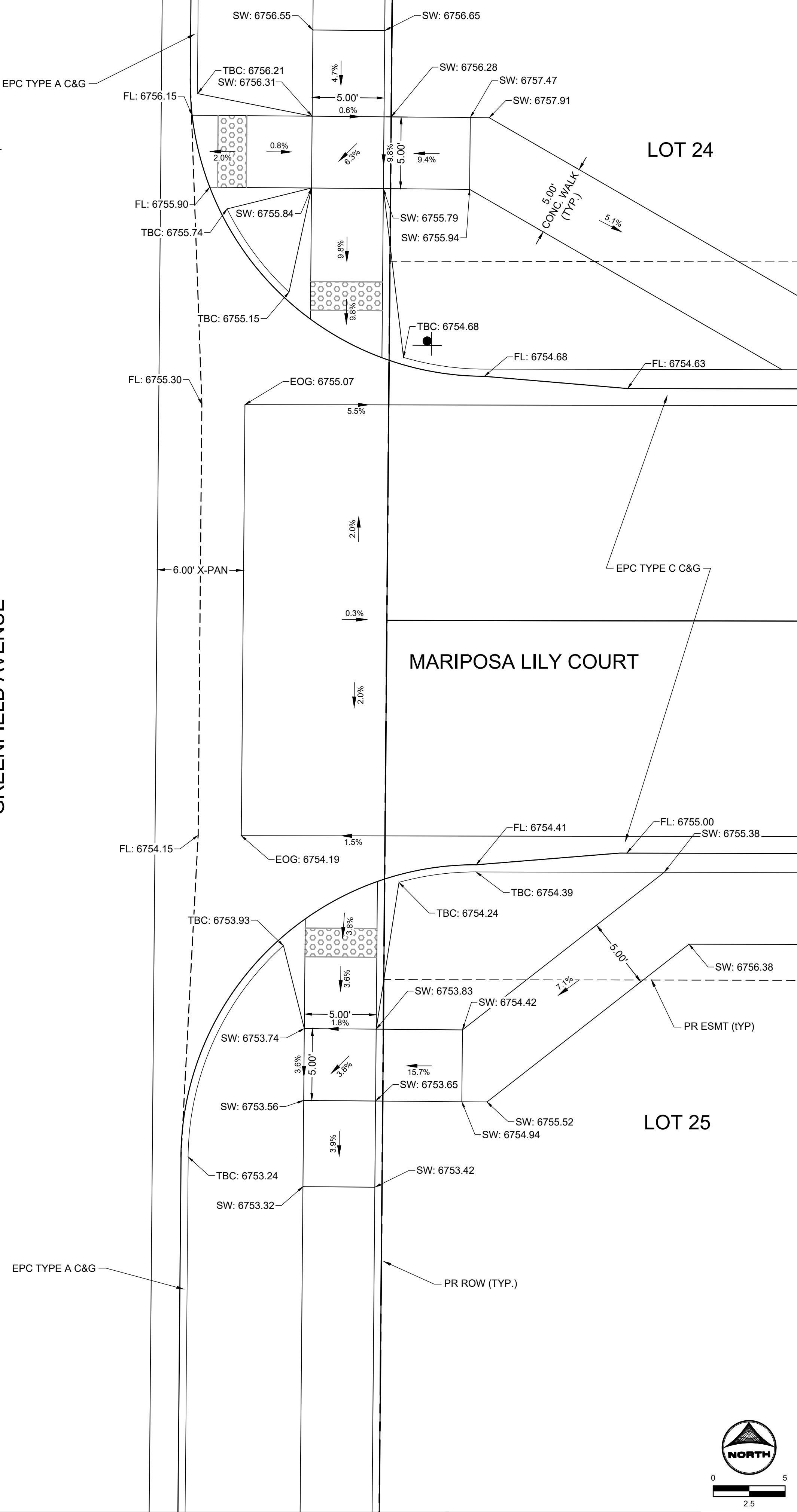
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GREENFIELD AVENUE

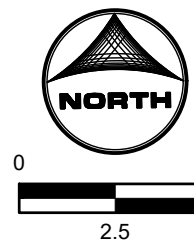


IN PROGRESS



VICINITY MAP
SCALE: NTS


CURTIS ROAD



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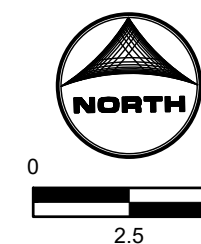
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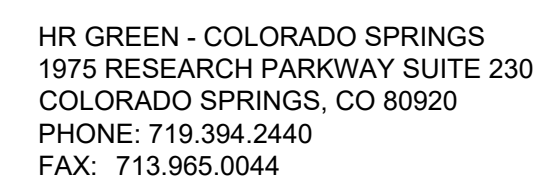


GREENFIELD AVENUE



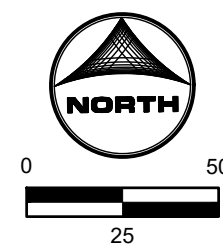
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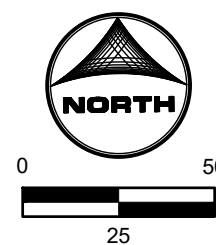


CONSTRUCTION DOCUMENTS
INTERSECTION GRADING

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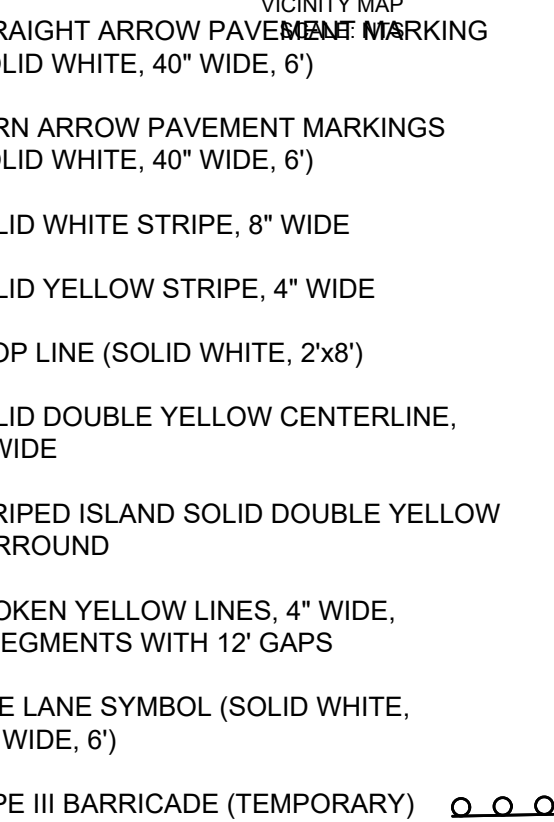


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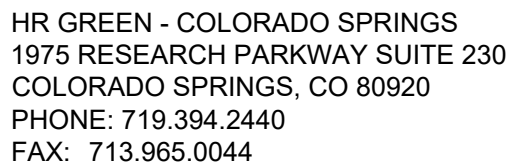


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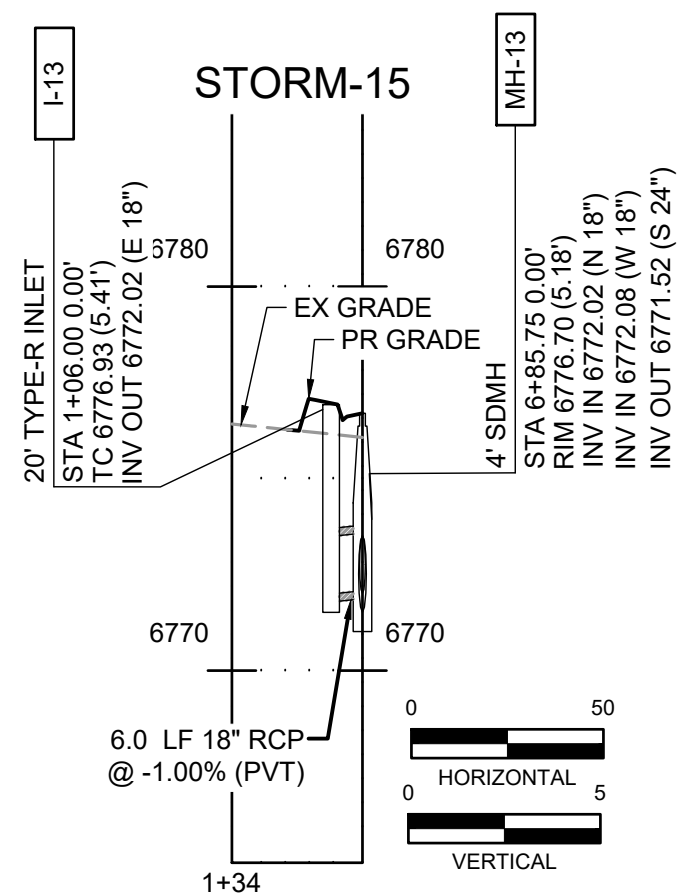
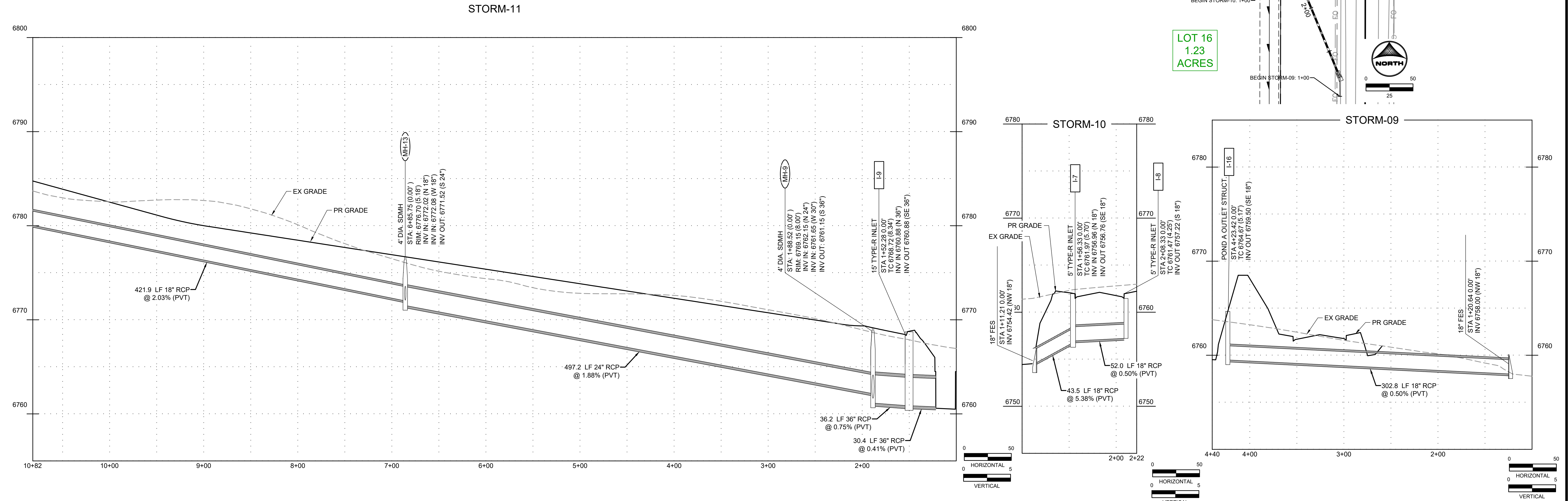
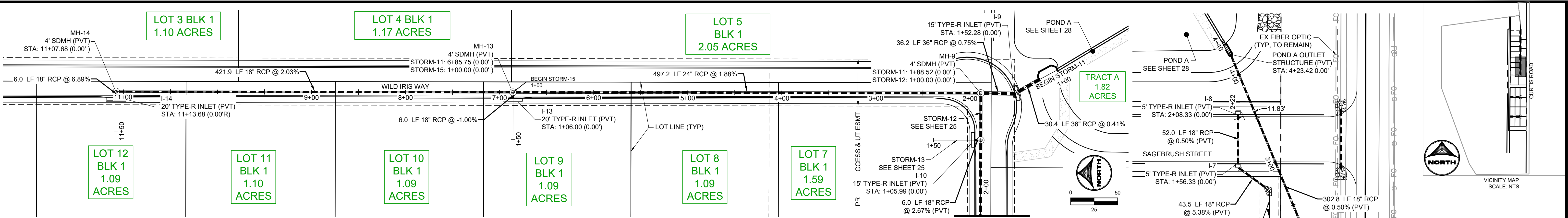
1. WHERE CONSTRUCTION DETAILS AND SPECIFICATIONS ARE NOTED ON THESE PLANS USE EL PASO COUNTY STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION.
2. ALL SIGNING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION.
3. PAVEMENT MARKING IS THERMOPLASTIC WITH COLOR DESIGNATED IN KEY NOTES.
4. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN ACCORDANCE WITH "THE STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" ADOPTED BY THE FEDERAL HIGHWAY ADMINISTRATION.
5. STREET NAME SIGNS ARE 7" BLANK AND 4" FONT IF SPEED LIMIT IS 25 MPH, AND ARE 9" BLANK AND 6" FONT IF SPEED LIMIT IS 30 MPH AND ABOVE



NO.	DATE	BY	REVISION DESCRIPTION



23



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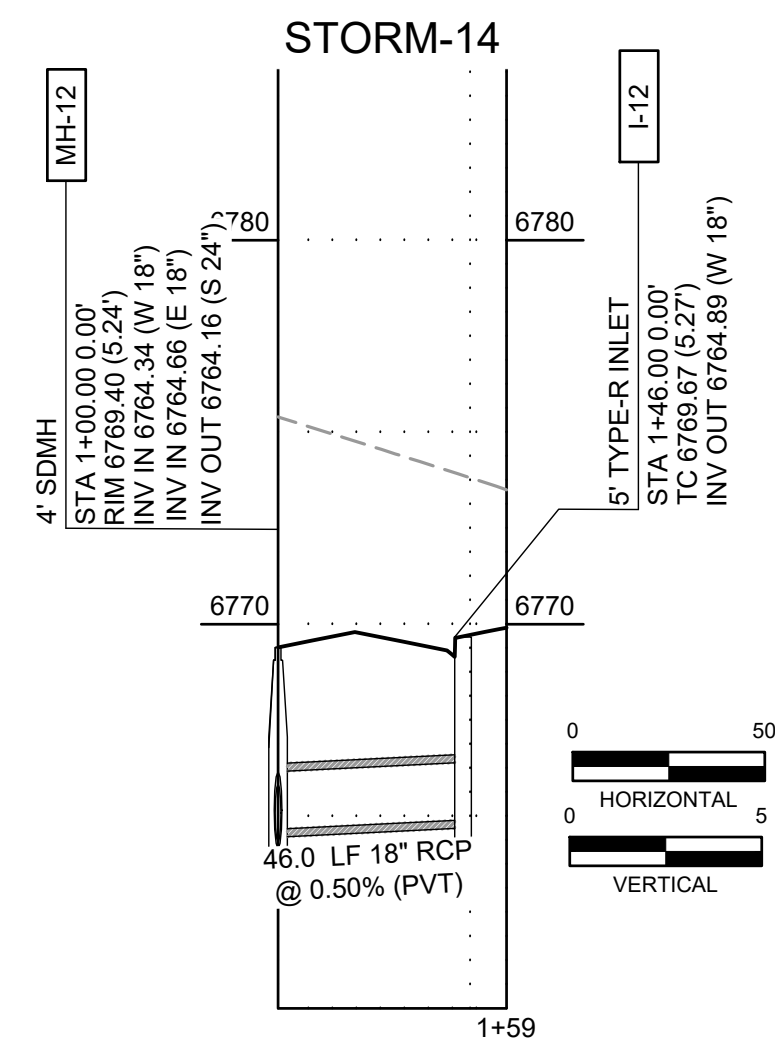
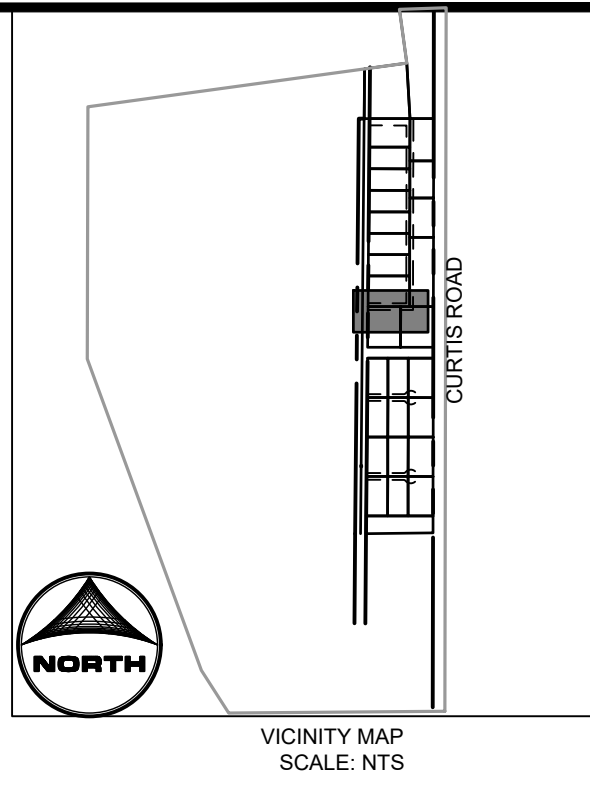
NO.	DATE	BY	REVISION DESCRIPTION

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HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS, CO 80920
PHONE: 719.384.2440
FAX: 713.965.0044

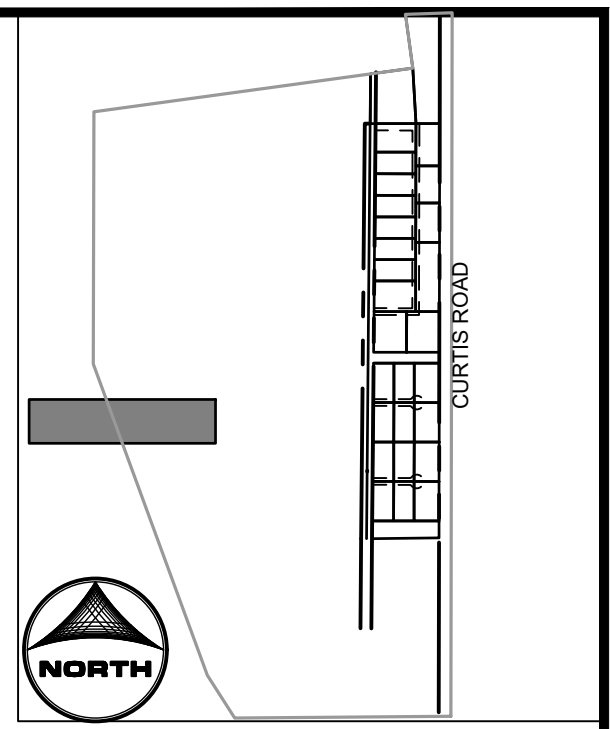
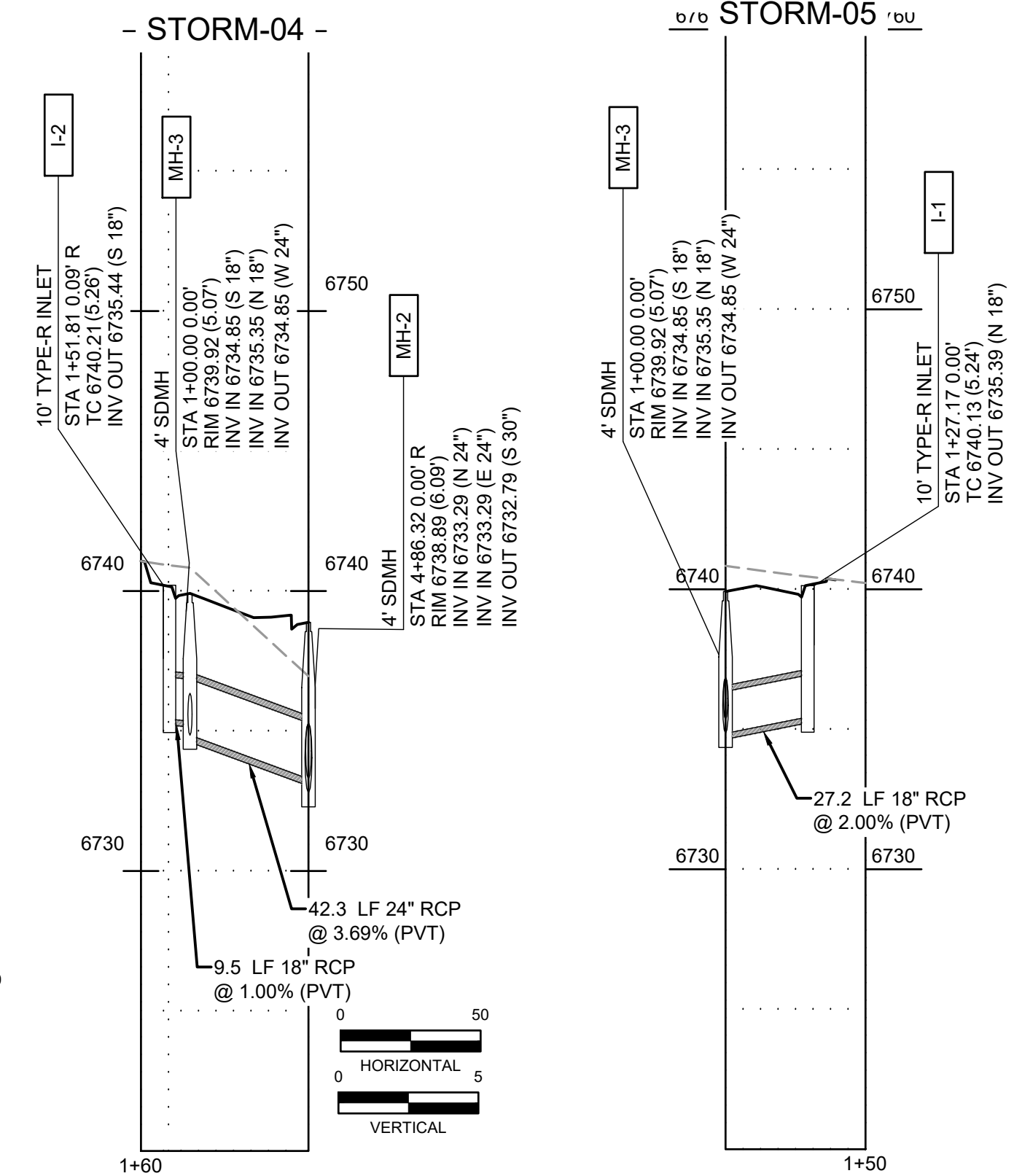
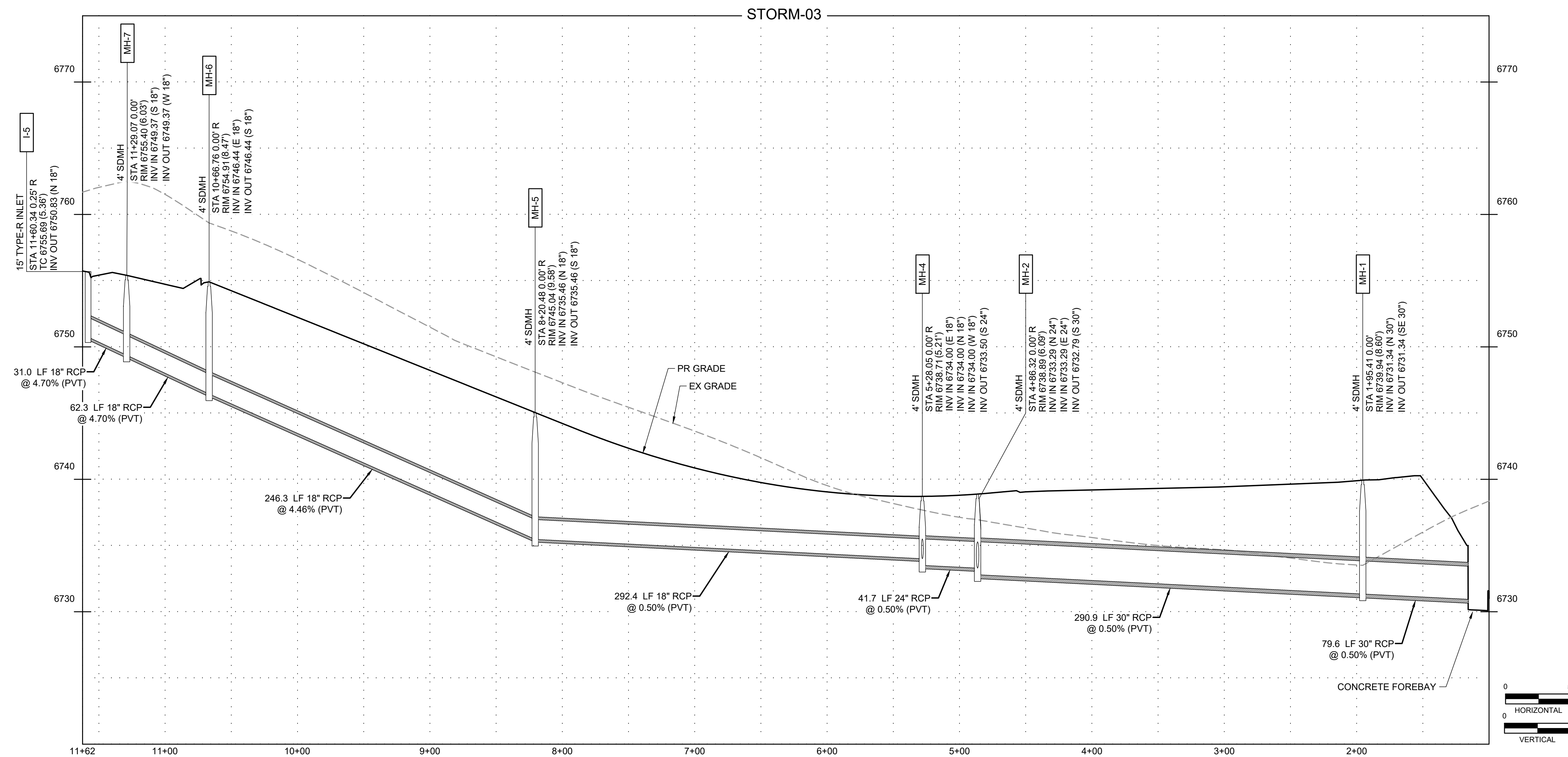
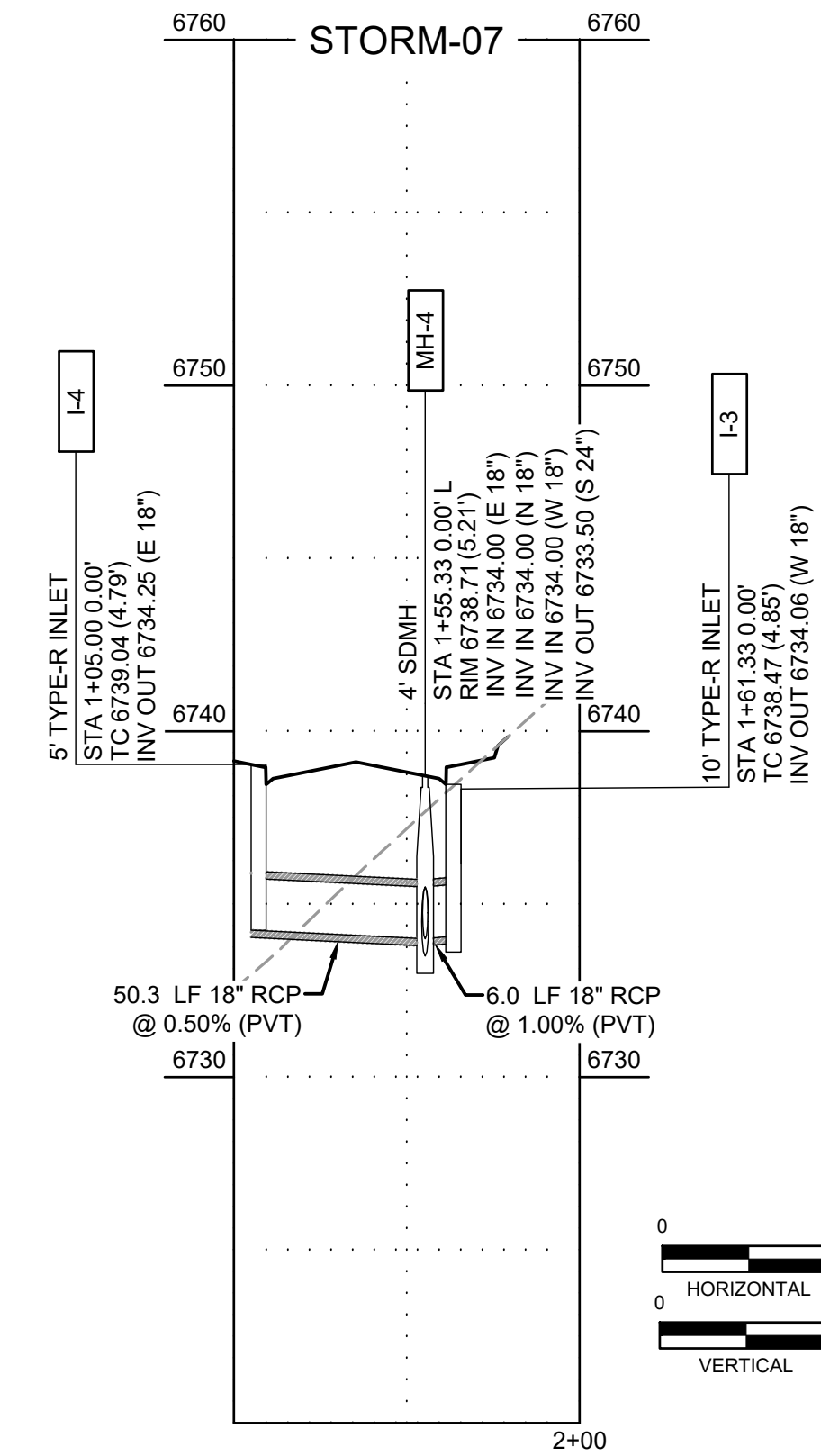
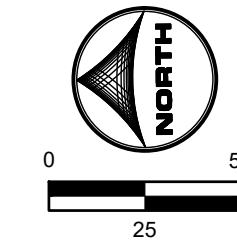
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EL PASO COUNTY, CO

CONSTRUCTION DOCUMENTS
STORM PLAN & PROFILE

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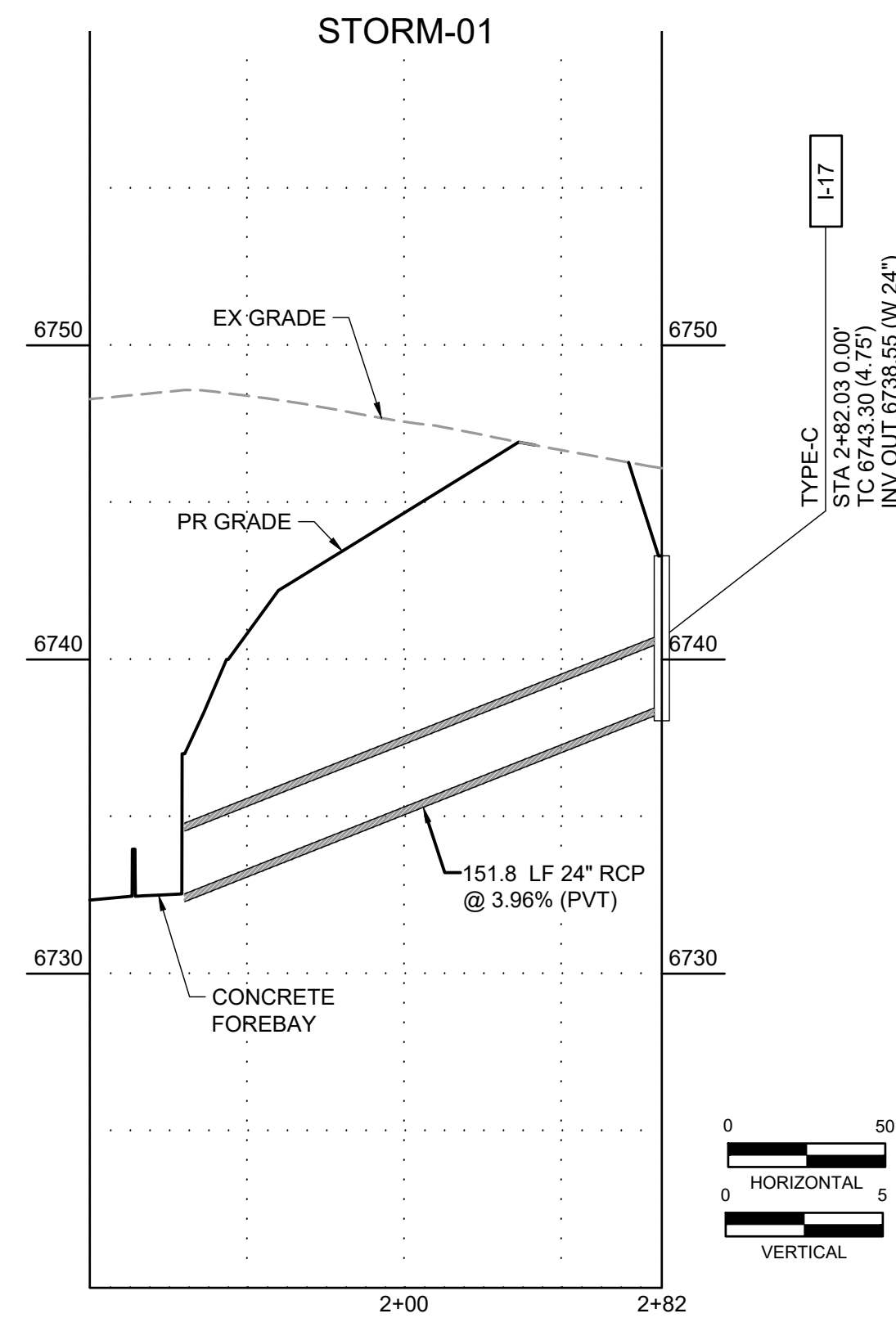
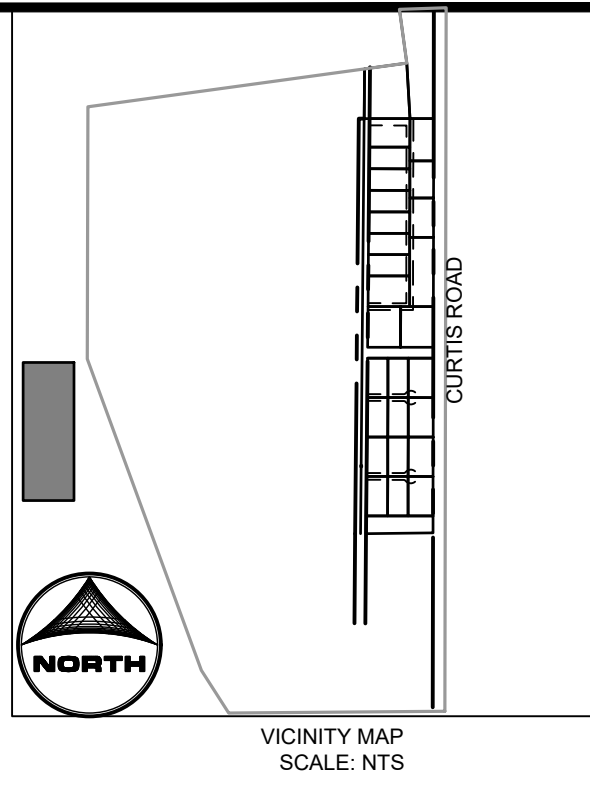


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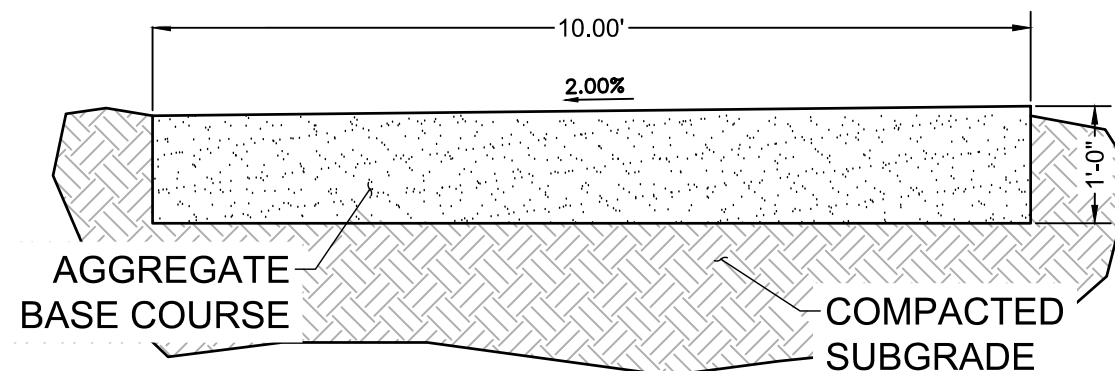
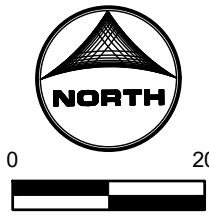
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CONSTRUCTION DOCUMENTS STORM PLAN & PROFILE

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STM



27



POND GRADING NOTES

- ABBREVIATIONS:**

Diagram illustrating the cross-section of a pond embankment structure. The structure consists of several layers and features:

- 10.00' BERM**: The top horizontal section of the embankment.
- TOP OF BERM = 6768.50**: Elevation of the top of the berm.
- CREST EL = 6767.3**: Elevation of the crest of the embankment.
- 100-YR WSE = 6767.26**: Elevation of the 100-year water surface elevation.
- 4" TOPSOIL COVER**: The top layer of the embankment.
- 18" LAYER OF BURIED TYPE L RIPRAP $D_{50}=9"$** : The middle layer of the embankment.
- 12" LAYER OF TYPE 2 BEDDING**: The bottom layer of the embankment.
- POND BOTTOM**: The bottom of the pond.

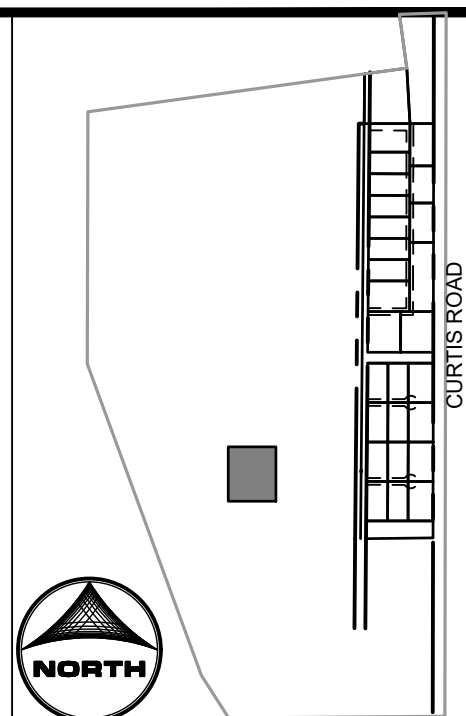
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51	RIPRAP	N: 1402442.59 E: 3270589.83	6764.32
52	TP	N: 1402558.92 E: 3270573.47	6768.50
53	TOB	N: 1402558.40 E: 3270583.45	6768.50
54	TP	N: 1402581.77 E: 3270569.47	6768.50
55	TOB	N: 1402585.65 E: 3270578.69	6768.50
56	TP	N: 1402601.64 E: 3270554.74	6767.80
57	TOB	N: 1402609.33 E: 3270561.12	6767.90
58	FL	N: 1402617.96 E: 3270567.11	6768.01
59	FL	N: 1402628.32 E: 3270572.83	6768.08
60	TP	N: 1402611.08 E: 3270537.58	6768.50
61	TOB	N: 1402620.59 E: 3270540.66	6768.50
62	TP	N: 1402613.60 E: 3270522.68	6768.50
63	TOB	N: 1402623.60 E: 3270522.90	6768.50
64	TP	N: 1402614.98 E: 3270460.13	6768.50
65	TOB	N: 1402624.98 E: 3270460.35	???
66	MAINT. RD	N: 1402534.70 E: 3270414.38	6761.21
67	MAINT. RD	N: 1402527.42 E: 3270427.23	6761.08
68	MAINT. RD	N: 1402532.57 E: 3270435.81	6760.99
69	TC FLOWLINE	N: 1402500.48 E: 3270456.82	6760.23
70	TC FLOWLINE	N: 1402462.92 E: 3270479.38	6760.01
71	MAINT. RD	N: 1402455.40 E: 3270482.14	6760.54
72	MAINT. RD	N: 1402450.55 E: 3270473.39	6760.64

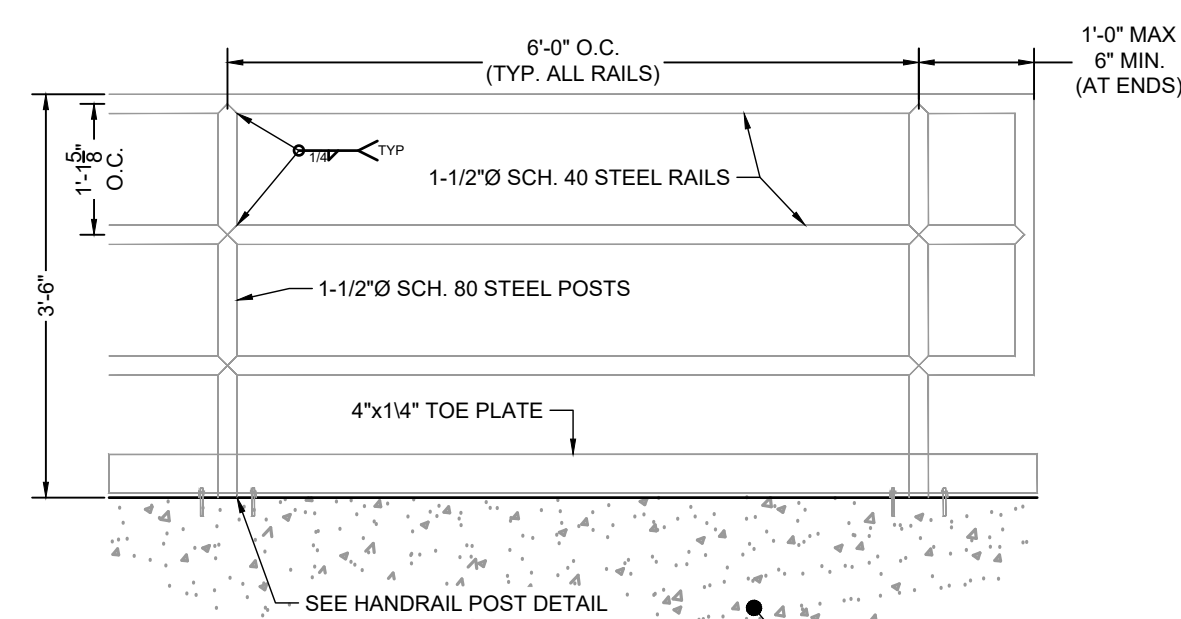
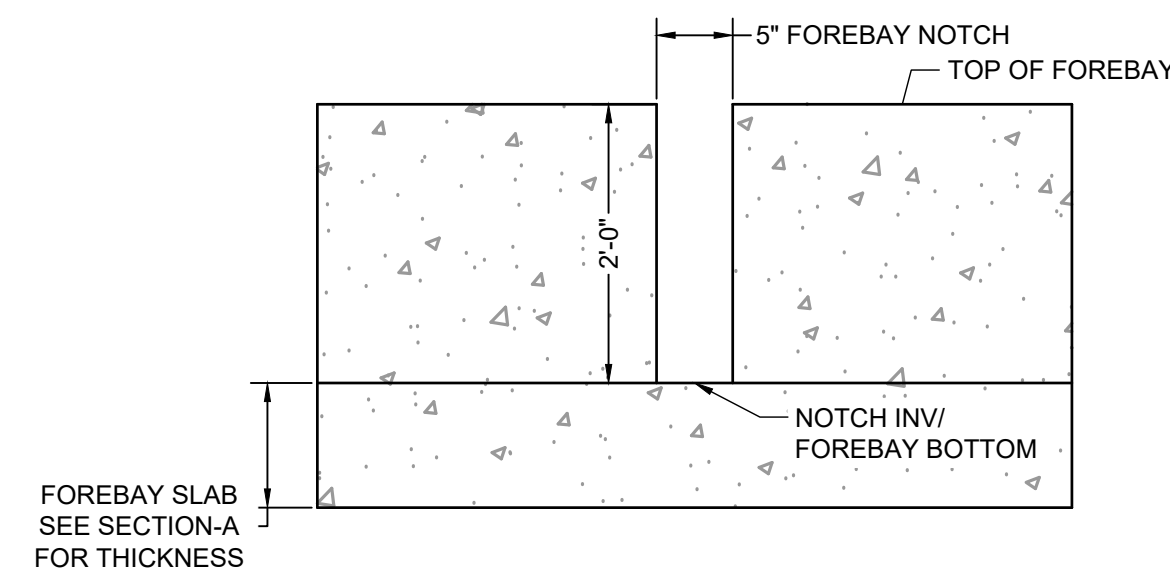
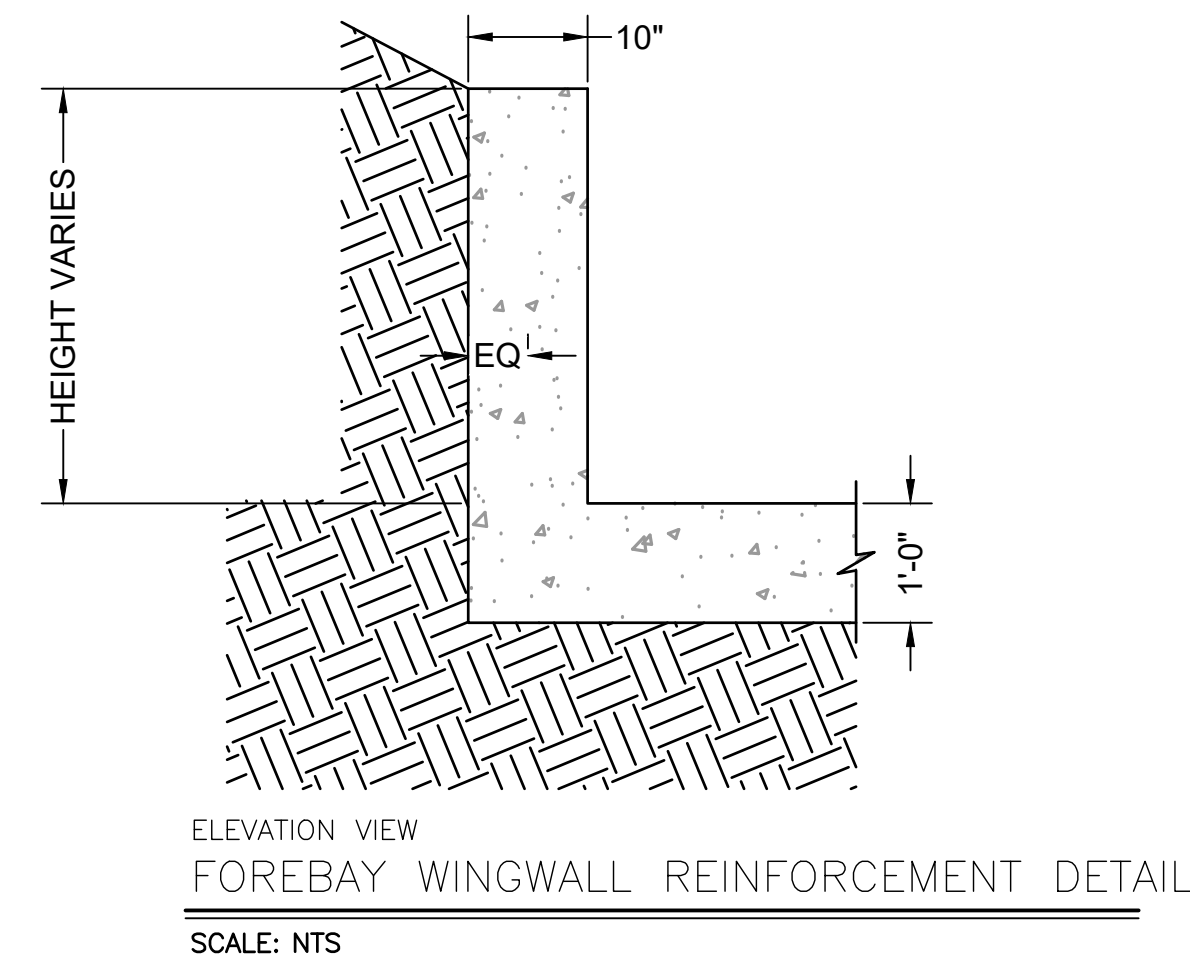
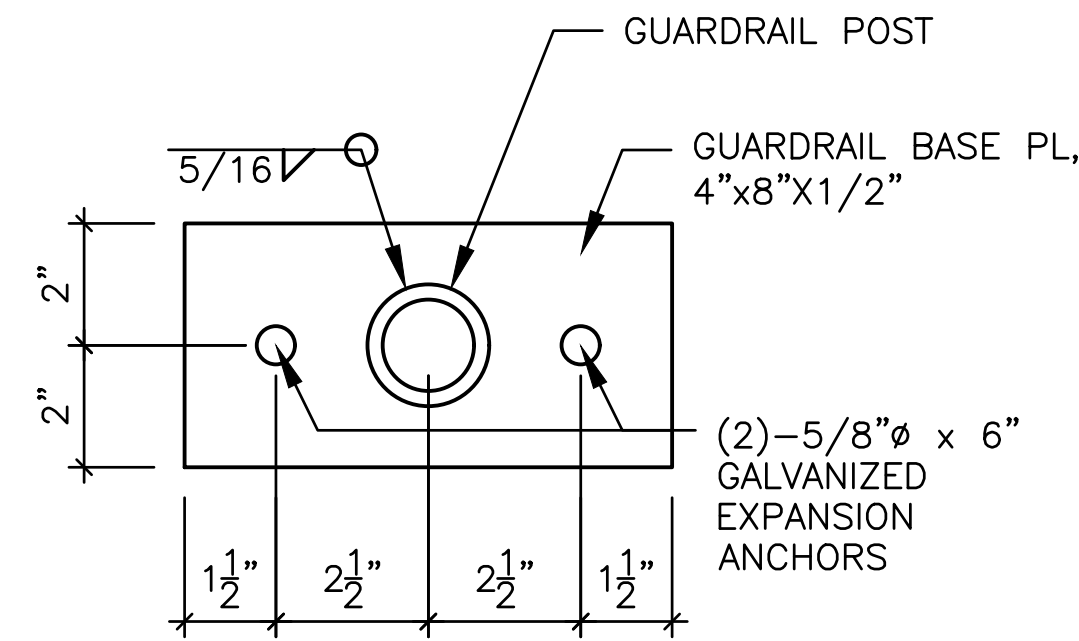
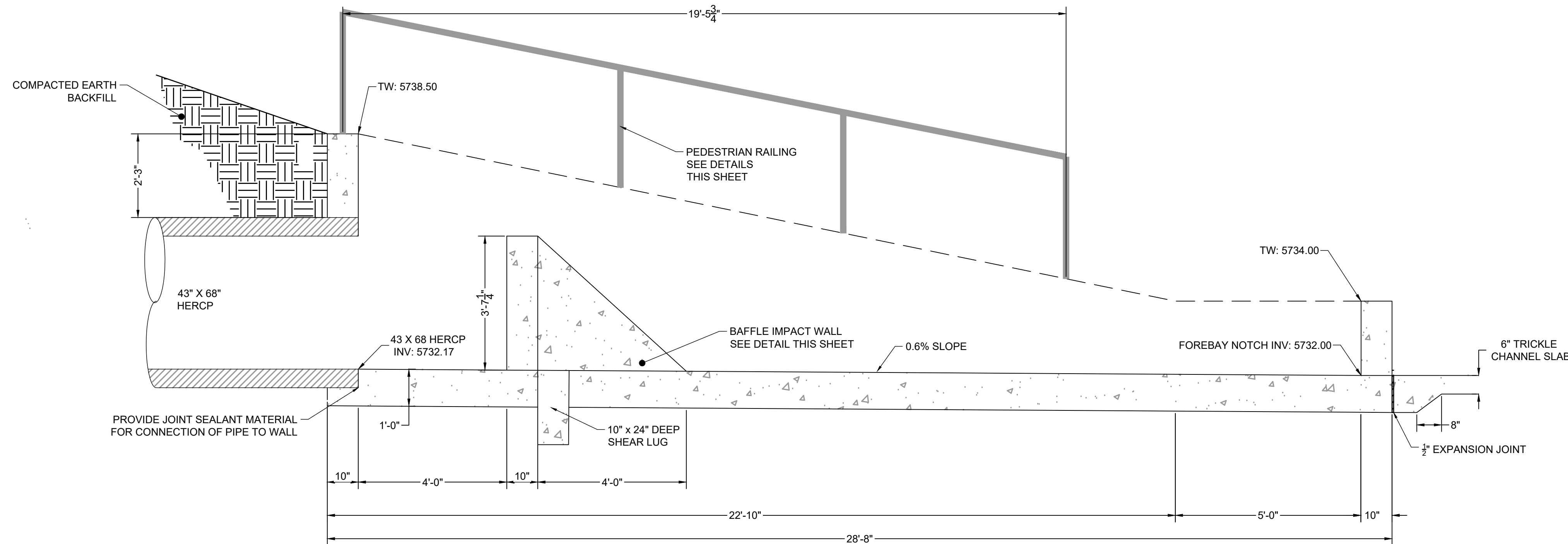
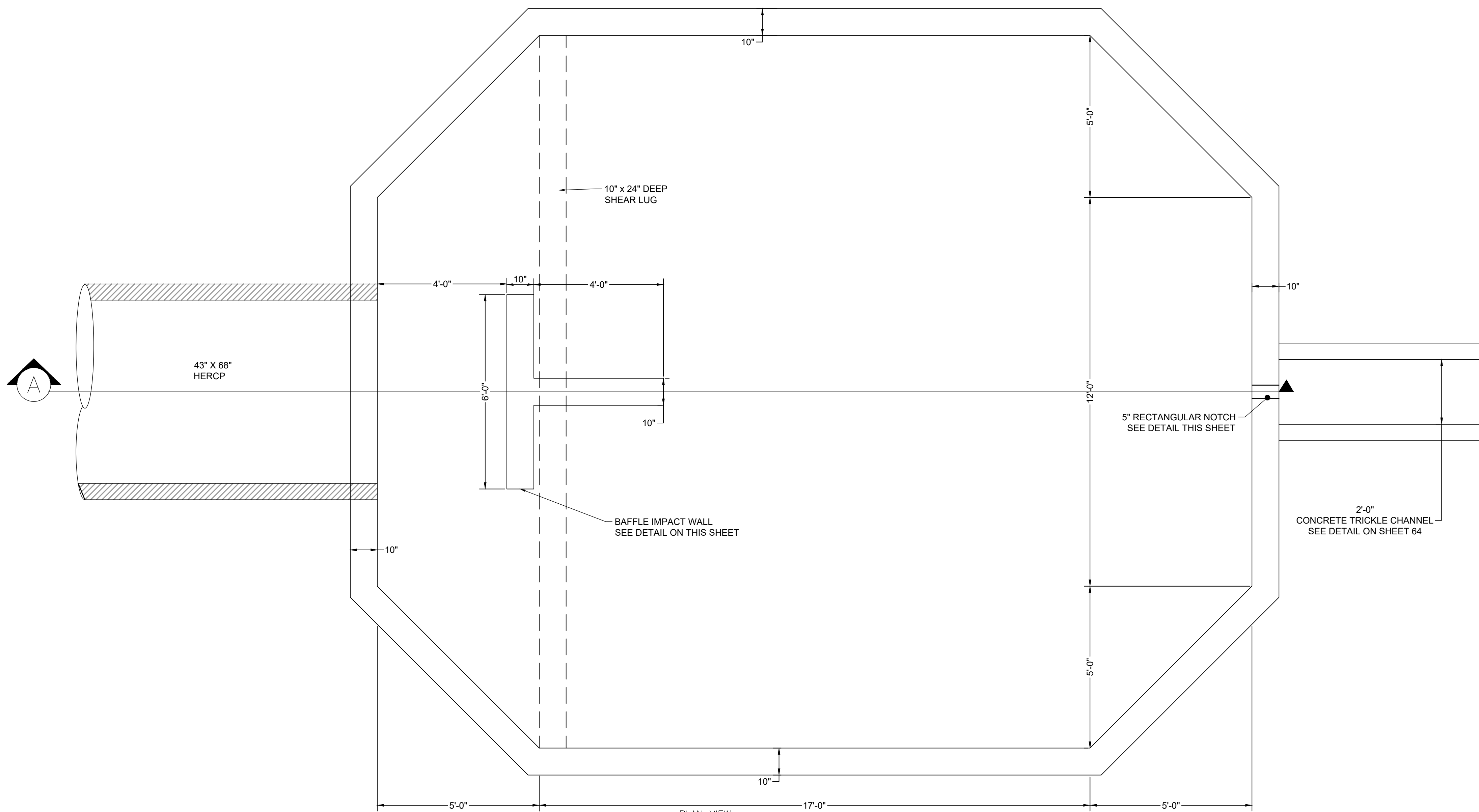
VICINITY MAP
SCALE: NTS

TYPE L RIPRAP

INTERMEDIATE ROCK DIMENSION (IN .)	PERCENT PASSING (%)
15	70-100
12	50-70
9	35-50
3	2-10

*TYPE L RIPRAP D50=9":
D50=MEAN PARTICLE SIZE
(INTERMEDIATE DIMENSION) BY WEIGHT





FOREBAY NOTES:

1. SEE SHEET 65 FOR STRUCTURAL NOTES AND DETAILS.
2. PEDESTRIAN RAILING IS NOT SHOWN IN PLAN VIEW DETAILS, SEE SECTION A FOR RAILING LOCATION.

DRAWN BY: AXB JOB DATE: 6/5/2023
APPROVED: CPM JOB NUMBER: 2202774
CAD DATE: 8/25/2023
CAD FILE: J:\2022\2202774\CAD\Drawgs\ICD\North_Forebay_Details

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
0 1"
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

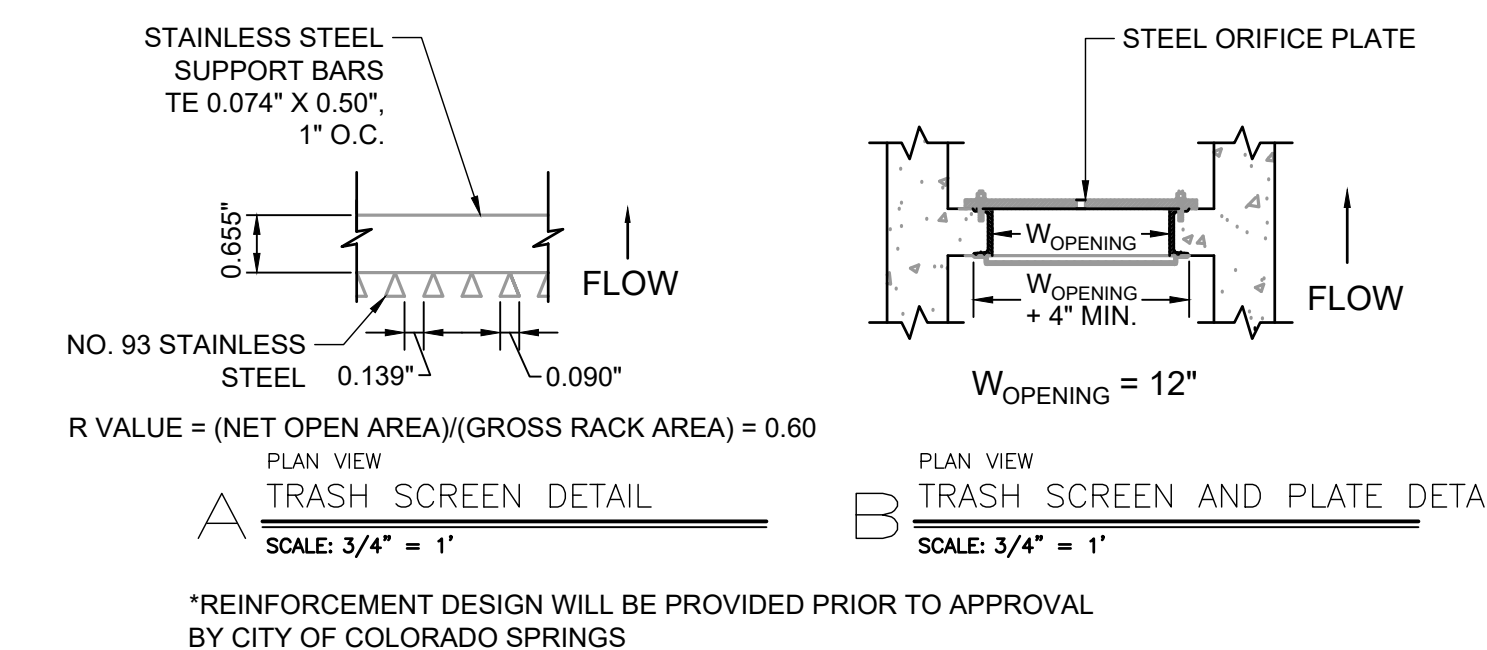
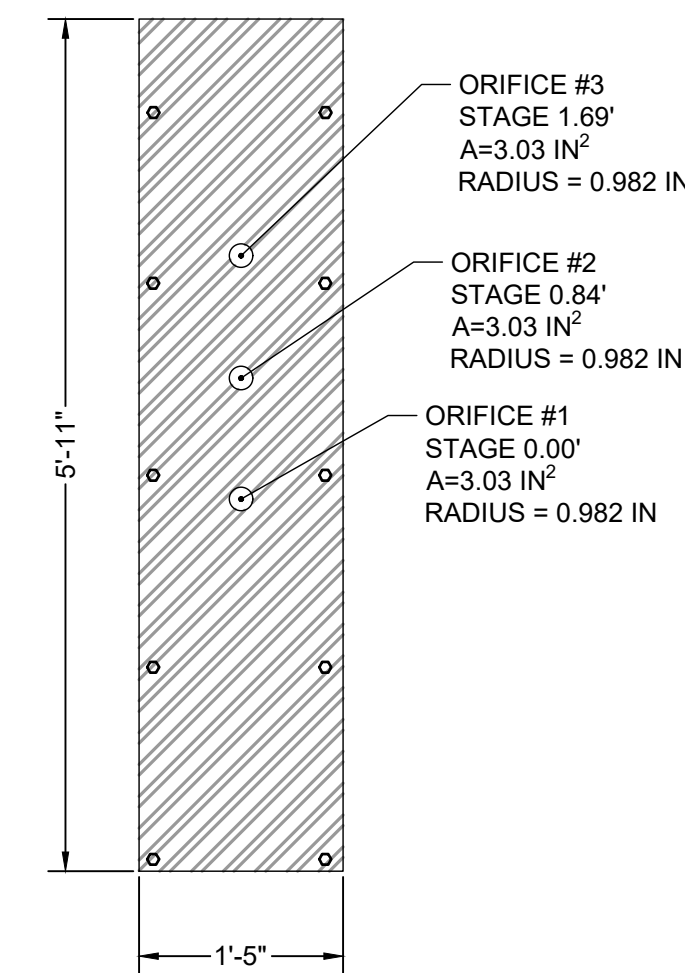
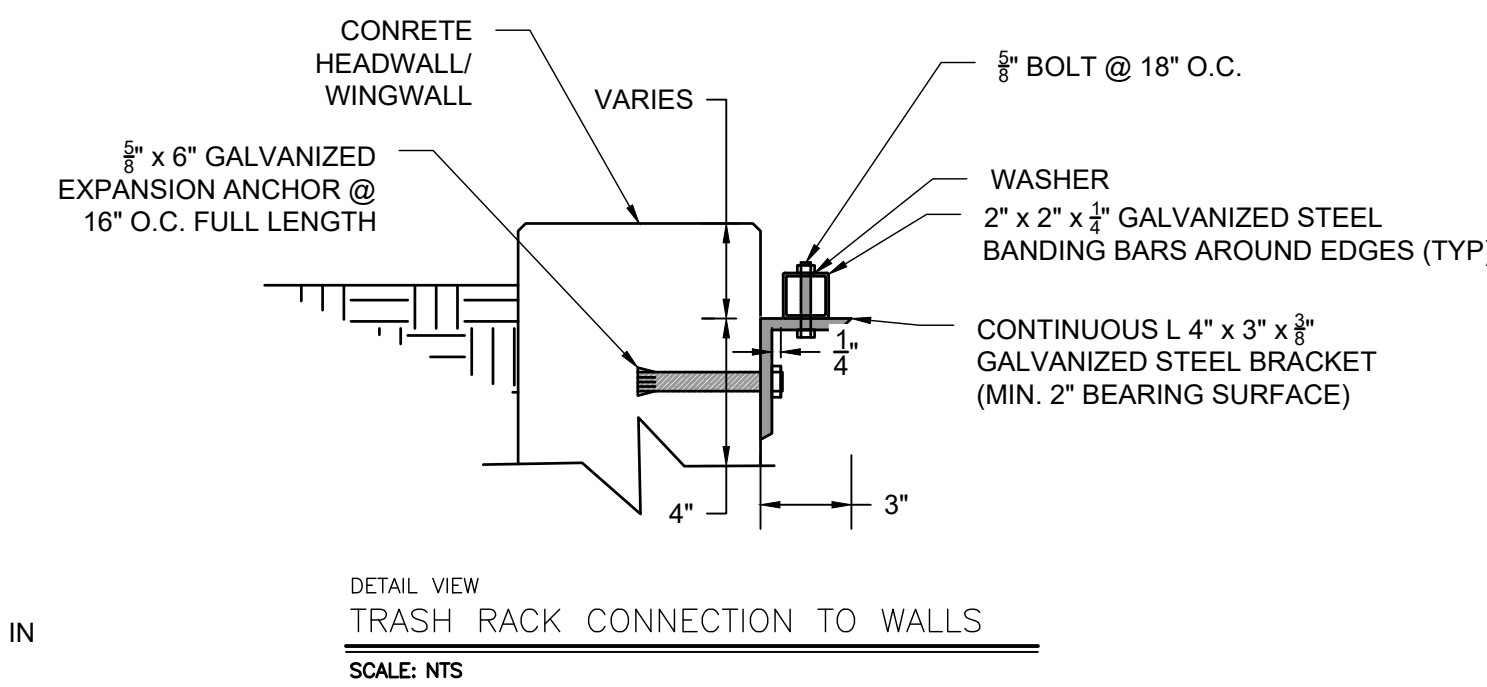
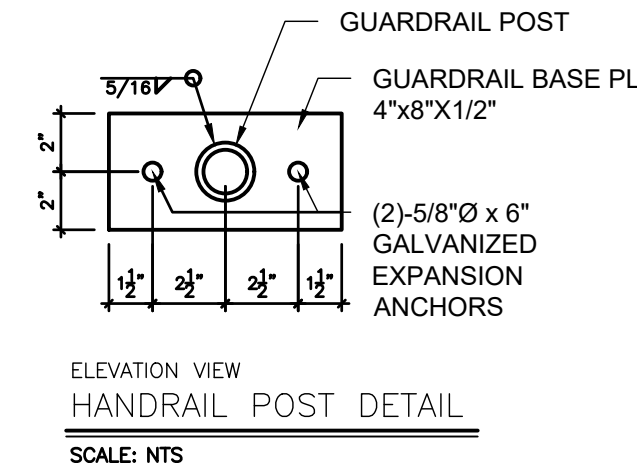
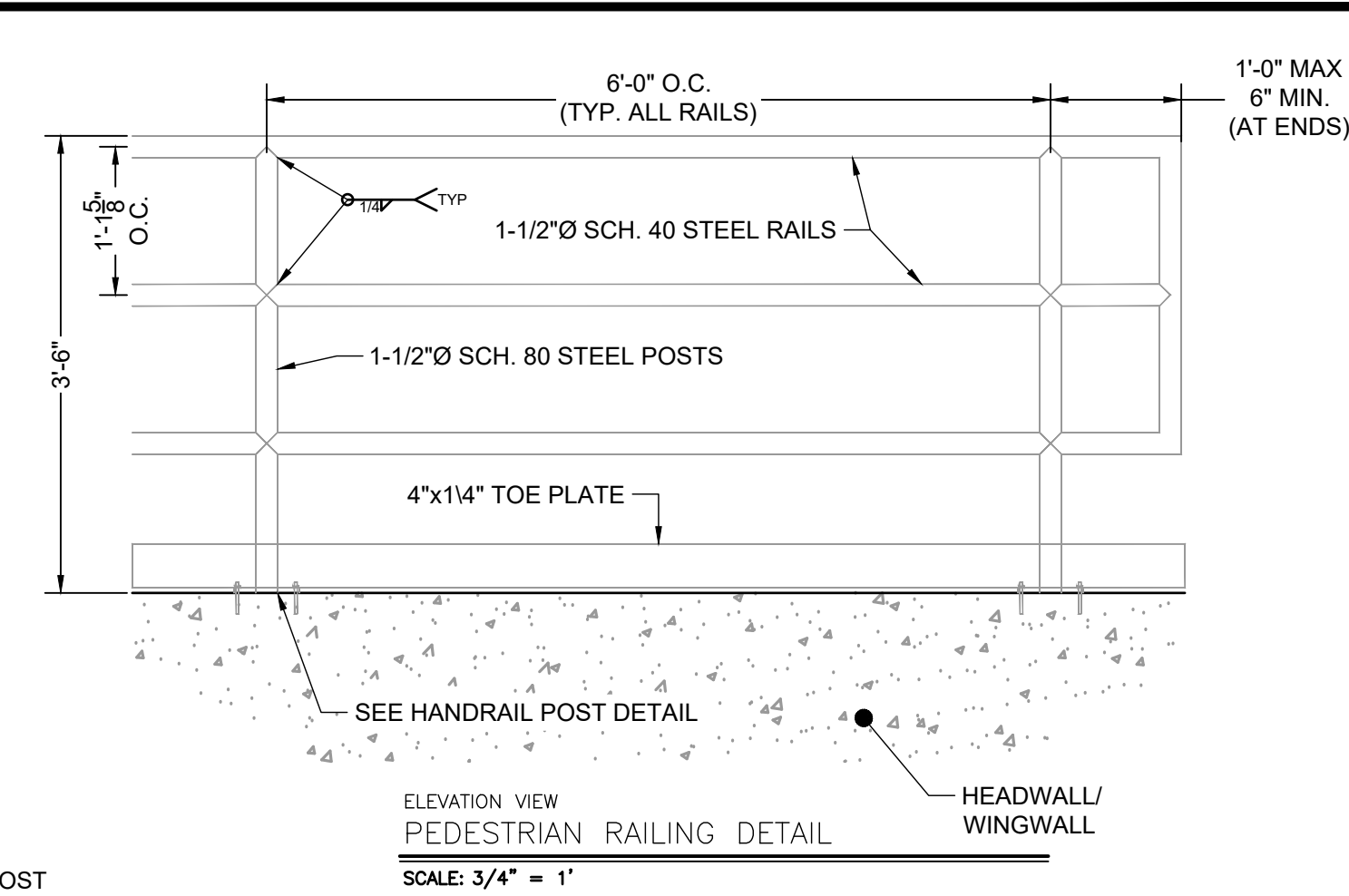
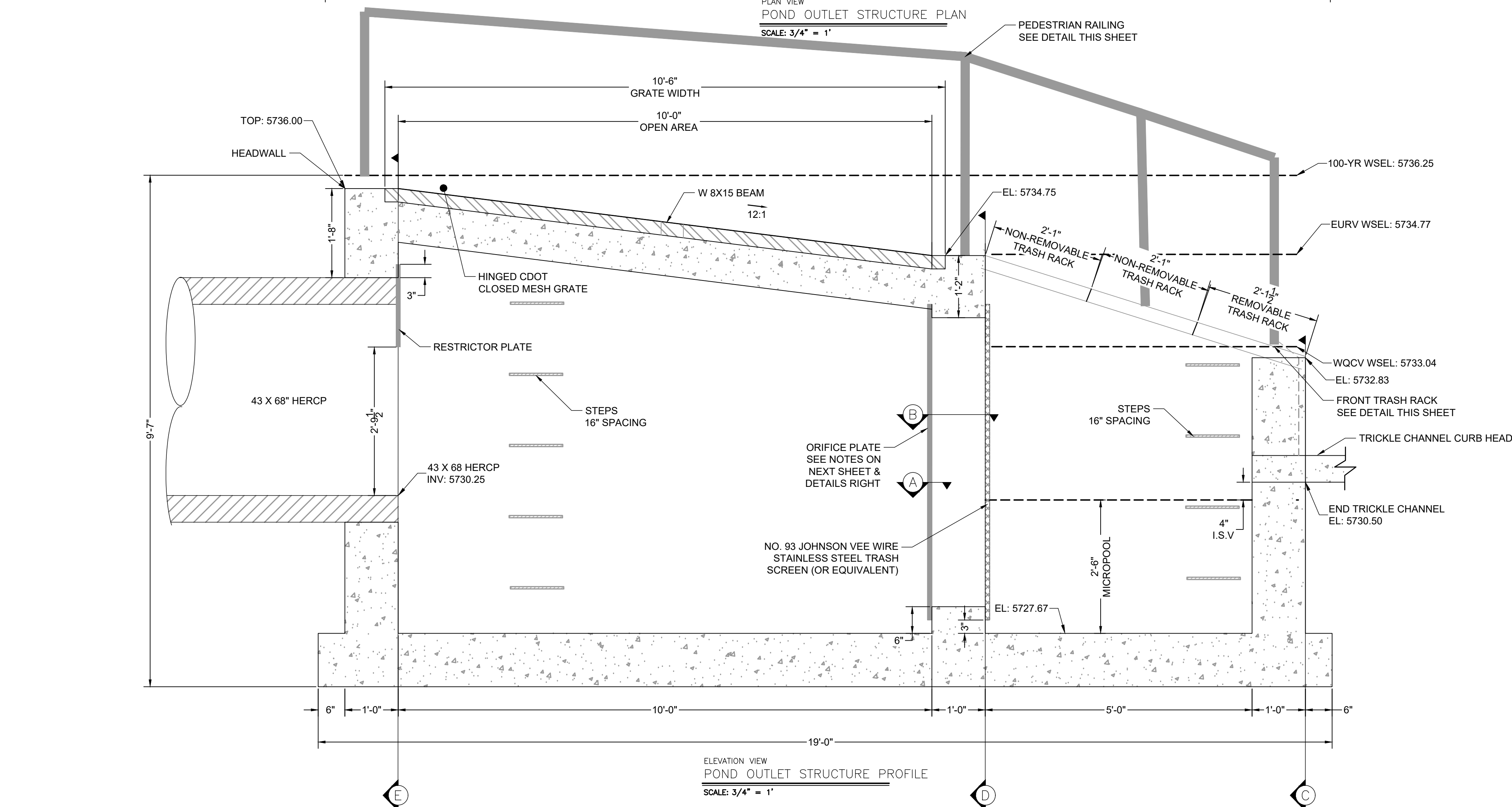
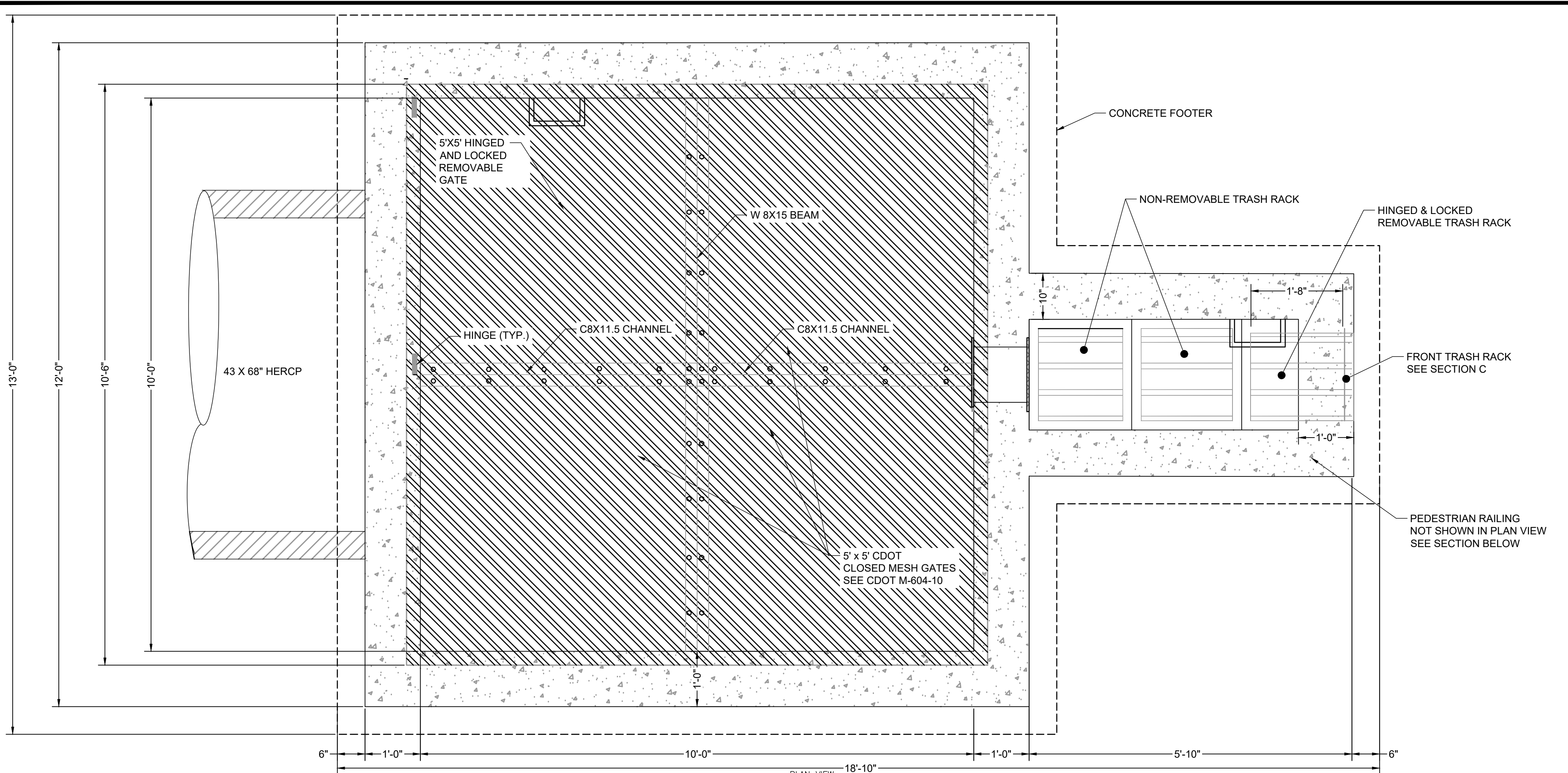
HRGreen
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS, CO 80920
PHONE: 719.394.2440
FAX: 713.965.0044

MEADOW LAKE INDUSTRIAL FILING NO. 1
MEADOWLAKE DEVELOPMENTS, LLC
EL PASO COUNTY, CO

CONSTRUCTION DOCUMENTS
POND A - FOREBAY DETAILS

SHEET
FB

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ORIFICE PLATE NOTES:

1. PLATE TO BE 3/8" THICK GALVANIZED STEEL.
2. BOLT PLATE TO CONCRETE 16" O.C. MAX.
3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE

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

POND WARNING SIGN
SCALE: NTS
MINIMUM SIGN AREA = 3 FT²
SIGNS SHALL BE FABRICATED OF DURABLE
MATERIALS, SUCH AS METAL OR PLASTIC, USING
RED LETTERING ON A WHITE BACKGROUND

TWO SIGNS, EACH WITH A MINIMUM AREA OF 3 SQUARE FEET, SHALL BE PROVIDED
AROUND THE PERIMETER OF ALL DETENTION FACILITIES. THE SIGNS SHALL BE
FABRICATED OF DURABLE MATERIALS, SUCH AS METAL OR PLASTIC, USING RED
LETTERING ON A WHITE BACKGROUND WITH THE ABOVE MESSAGE

DRAWN BY: AXB JOB DATE: 6/5/2023
APPROVED: CPM JOB NUMBER: 2202774
CAD DATE: 8/25/2023
CAD FILE: J:\2022\2202774\CAD\Drawings\CID\North_Outlet_Structure_Details

BAR IS ONE INCH ON
OFFICIAL DRAWINGS.
0 1"

IF NOT ONE INCH,
ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

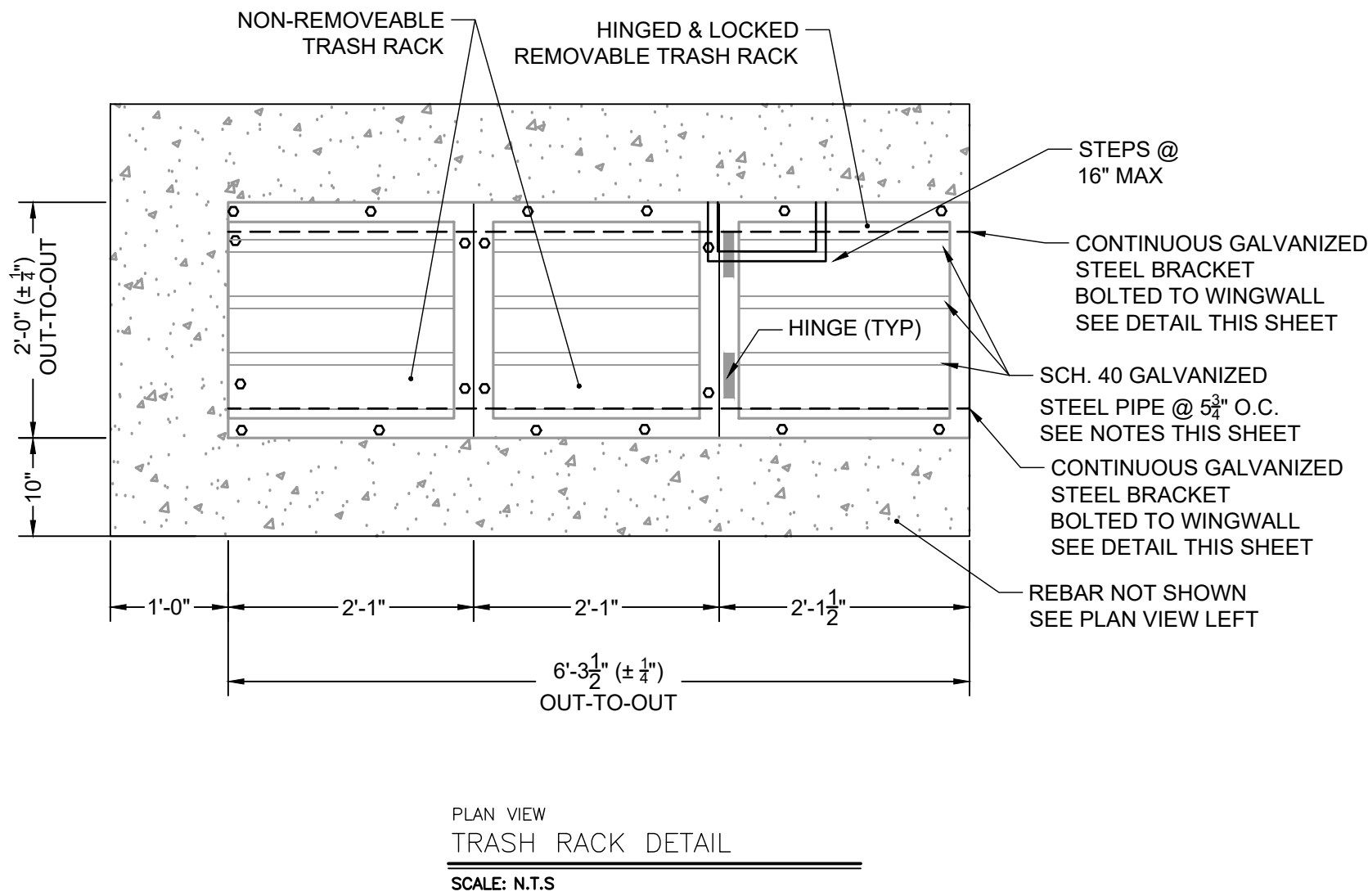
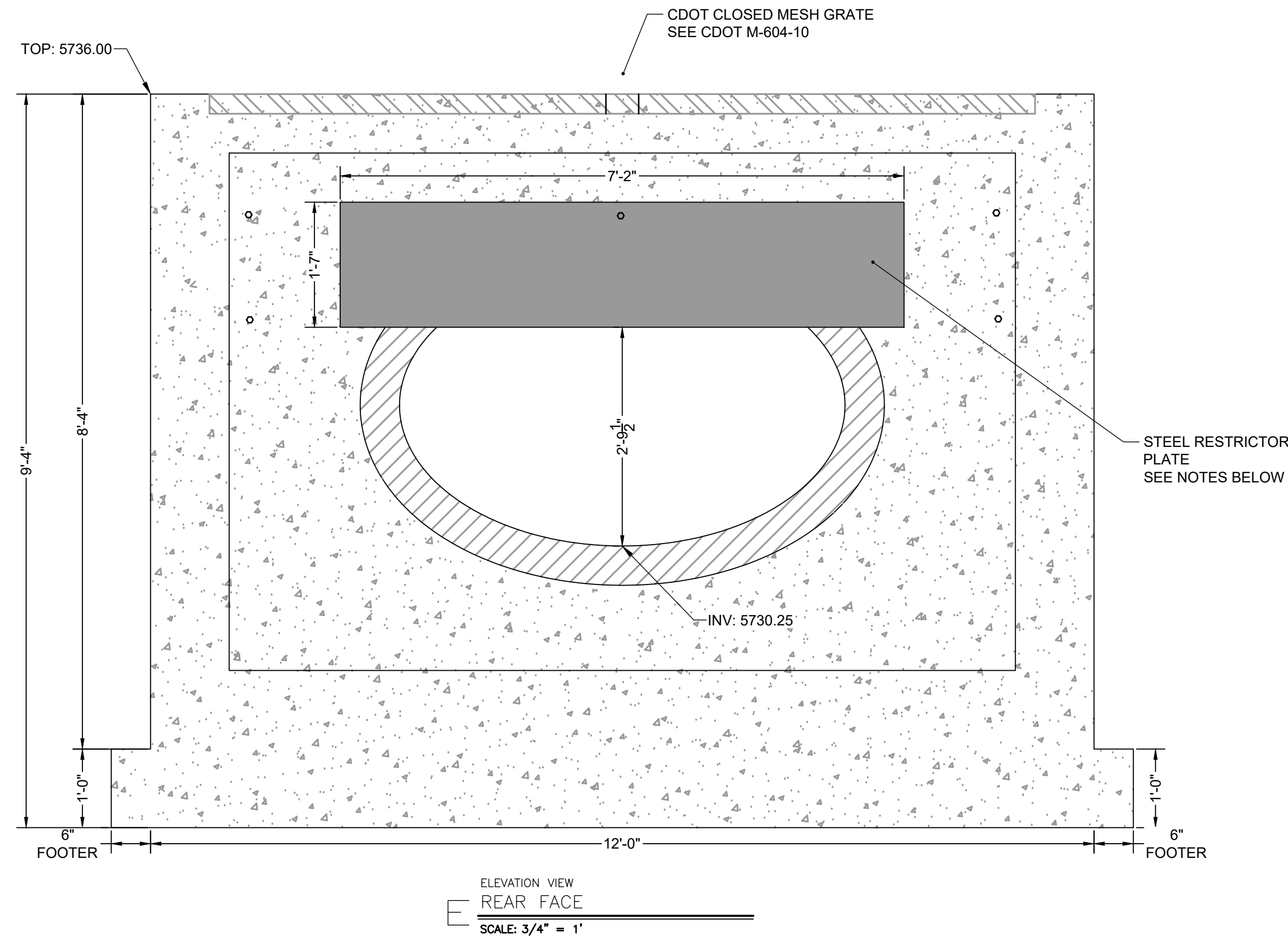
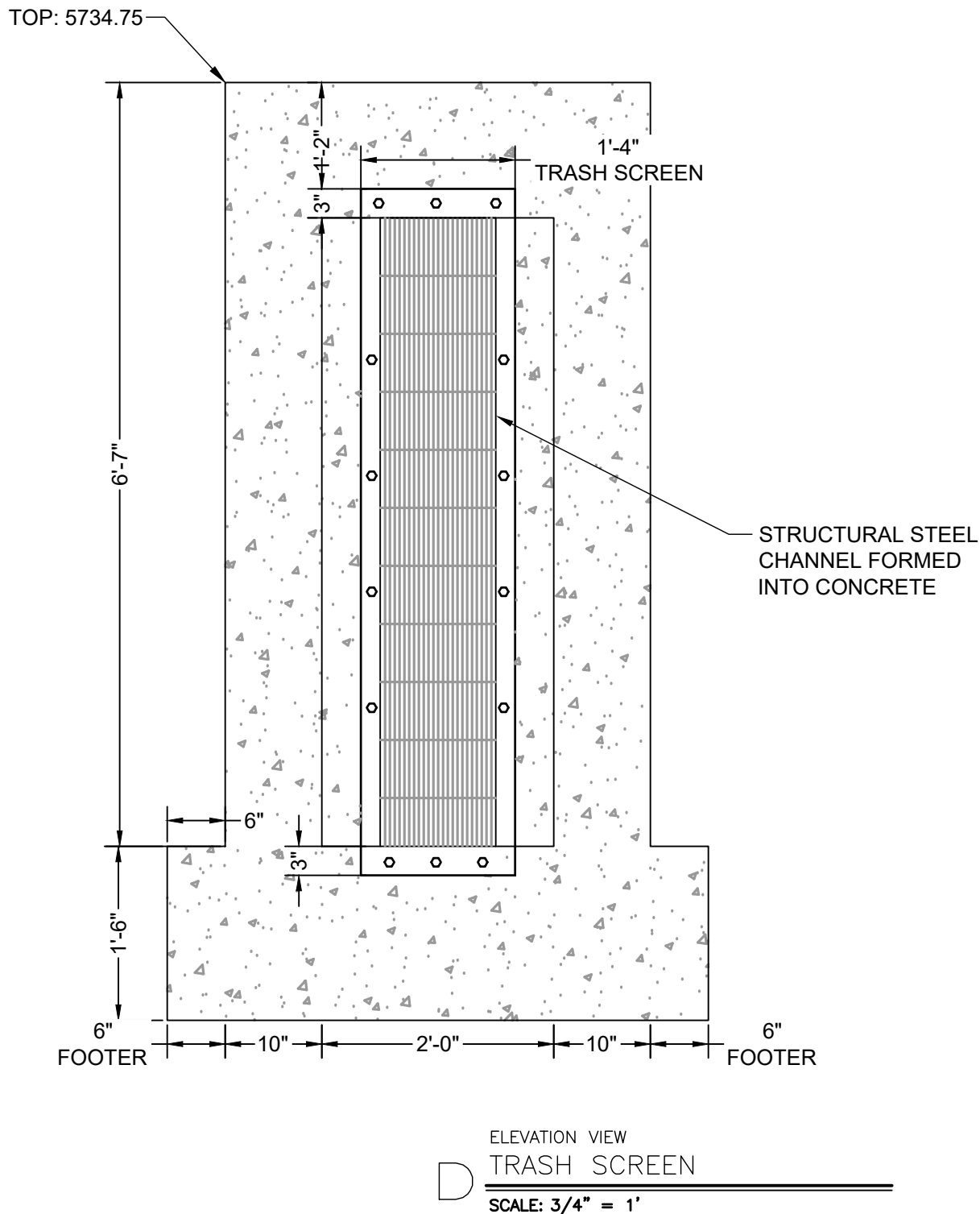
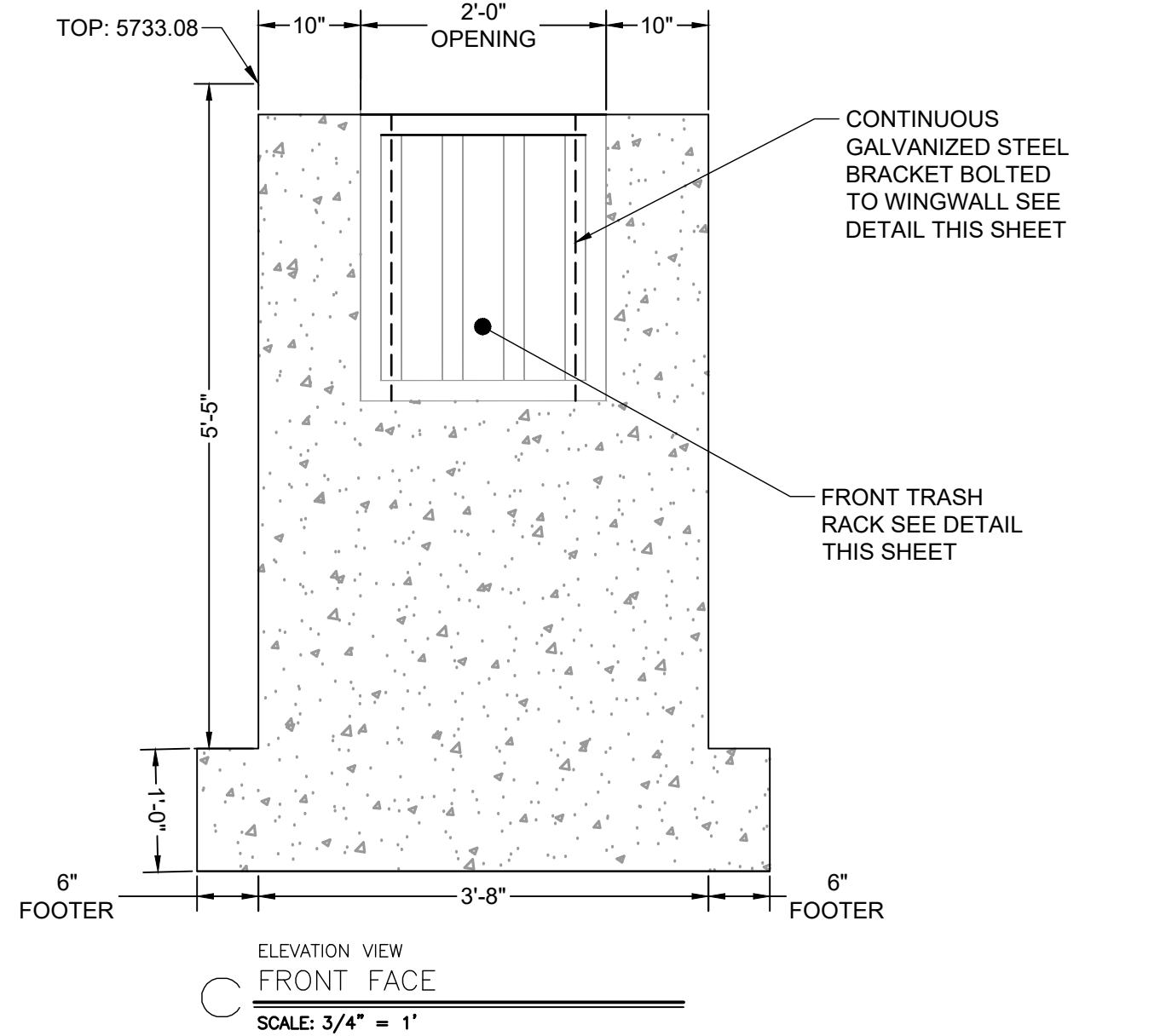


HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS, CO 80920
PHONE: 719.384.2440
FAX: 713.965.0044

MEADOW LAKE INDUSTRIAL FILING NO. 1
MEADOWLAKE DEVELOPMENTS, LLC
EL PASO COUNTY, CO

CONSTRUCTION DOCUMENTS
POND A - OUTLET STRUCTURE

SHEET
OS
30



TRASH SCREEN NOTES:

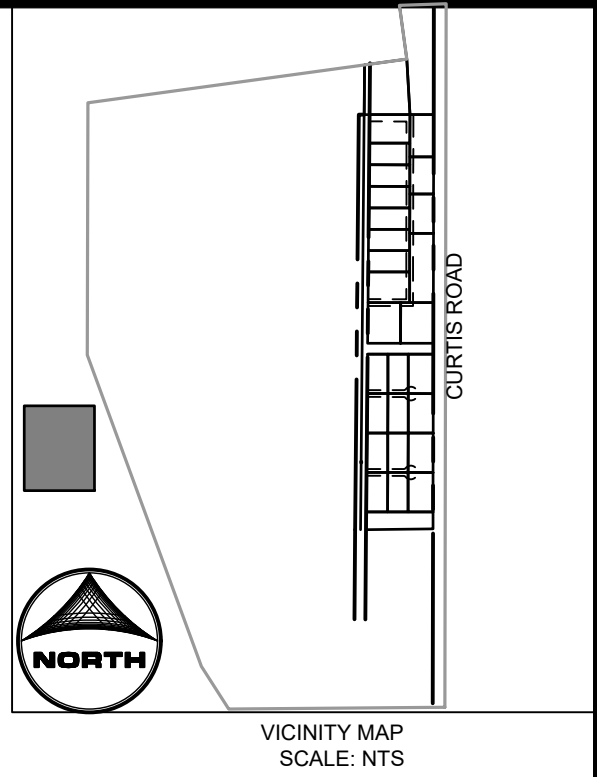
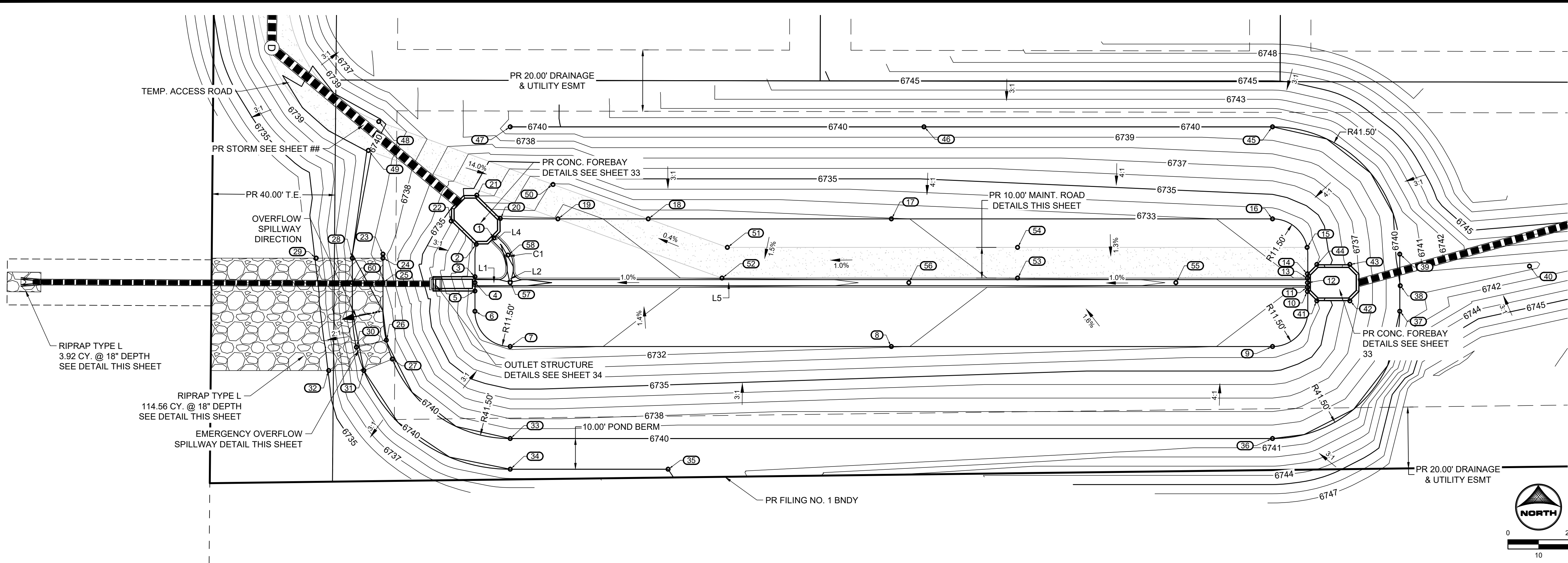
1. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
2. BAR GATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
3. TRASH RACK OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH RACK SIZE MAY NEED TO BE ADJUSTED FOR MATERIALS HAVING DIFFERENT OPEN AREA/GROSS AREA RATIO (R VALUE).
4. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.

TRASH RACK NOTES:

1. TRASH RACKS SHALL BE 1 1/2" SCH. 40 STEEL PIPE, GALVANIZED, @ 6" CENTERS. SUPPORT BARS SHALL BE 1/2" x 2" STEEL RECTANGULAR BARS, GALVANIZED @ 36". ALL TRASH RACKS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE.
2. REMOVABLE TRASH RACK SECTIONS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED & LOCKABLE OR BOLTABLE ACCESS PANELS AS SHOWN ON THE PLANS.
3. STEEL TRASH RACKS SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
4. STRUCTURAL STEEL FOR GRATES, ORIFICE PLATES, AND BARS SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH CDOT STANDARD SPECIFICATIONS, SUBSECTION 712.06.
5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL PLATES AND GRATING FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

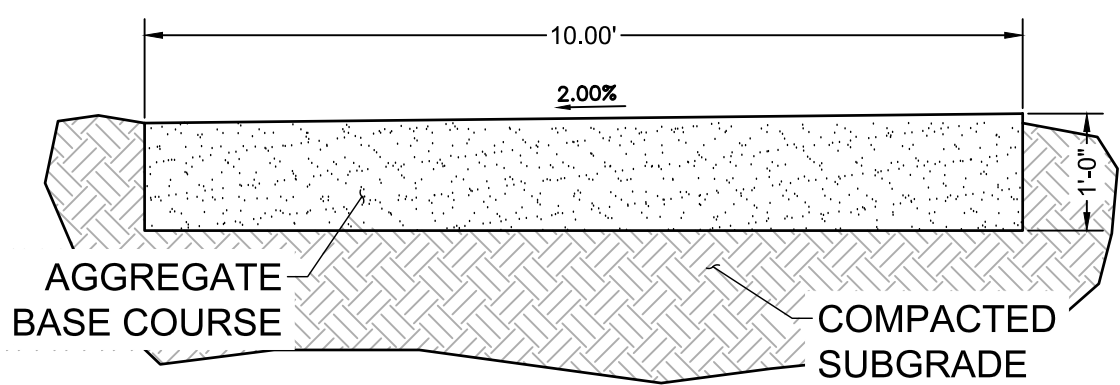
RESTRICTOR PLATE NOTES:

1. 3/8" THICK RESTRICTOR PLATE, GALVANIZED STEEL.
2. BOLT PLATE TO CONCRETE @ 12" O.C. MAX
3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN PLATE AND CONCRETE

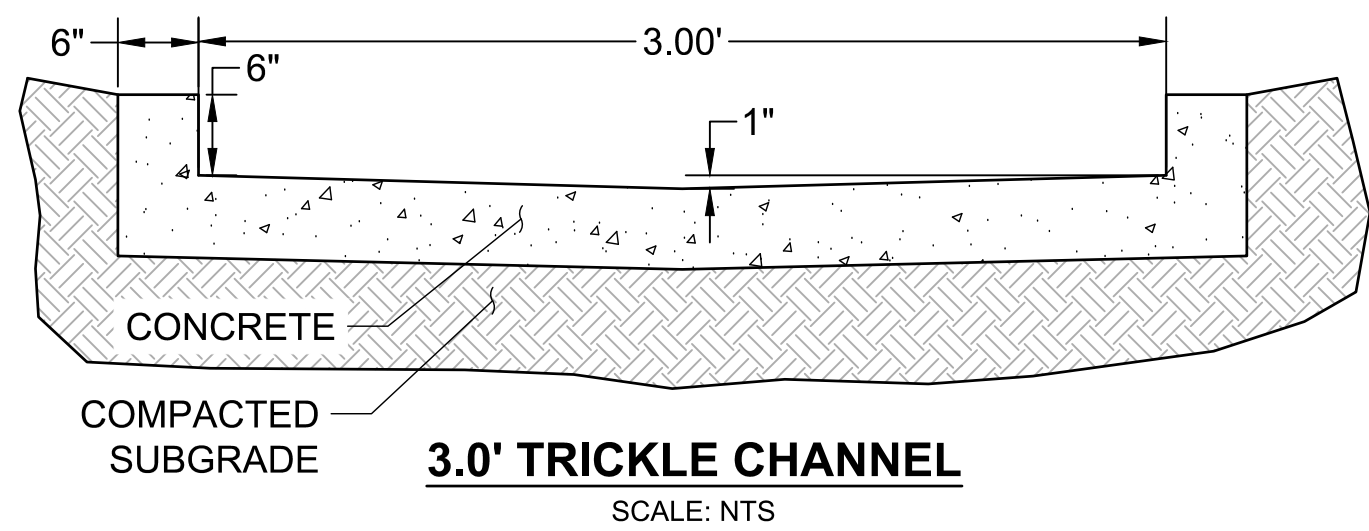


Line Table			
Line #	Length	Direction	Centerline/Flowline
L1	11.50	N 90°00'00" E	Centerline
L2	5.16	S 0°00'00" E	Centerline
L4	3.30	S 45°00'00" E	Centerline
L5	259.99	N 90°00'00" E	Centerline

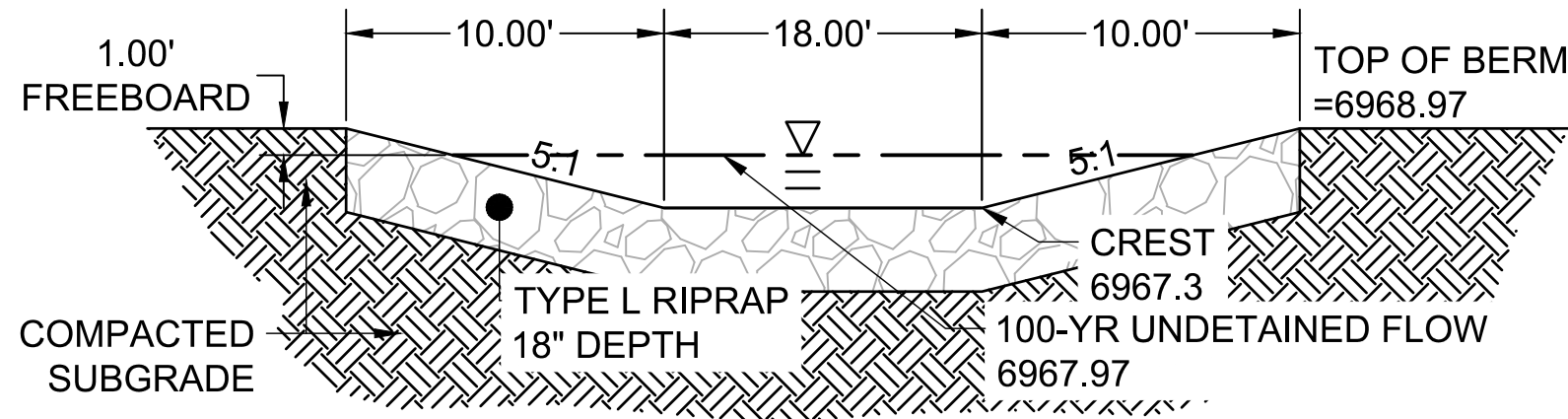
Curve Table				
Curve #	Length	Radius	Delta	Centerline/Flowline
C1	7.85	10.00	45°00'00"	Flowline



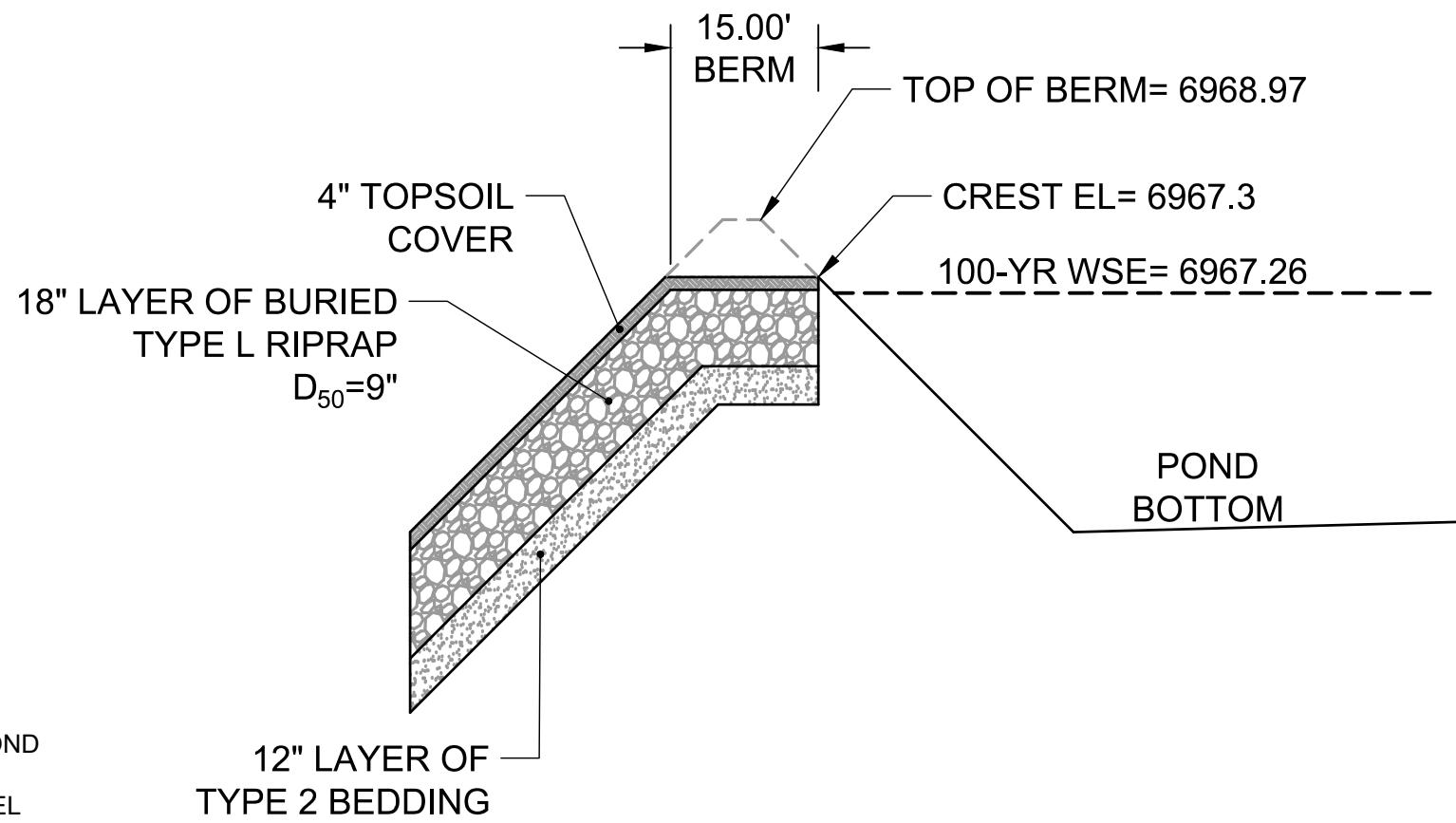
MAINTENANCE ROAD TYPICAL SECTION
SCALE: NTS



3.0' TRICKLE CHANNEL
SCALE: NTS



SECTION VIEW - EMERGENCY OVERFLOW SPILLWAY
SCALE: NTS



EMERGENCY OVERFLOW SPILLWAY - TYPICAL SECTION
SCALE: NTS

POND GRADING NOTES:

- TWO SIGNS OF MINIMUM 3 SQ. FT. AREA, SHALL BE INSTALLED AROUND THE POND PERIMETER. THE SIGNS WILL BE CONSTRUCTED OF A DURABLE MATERIAL SUCH AS METAL OR PLASTIC AND HAVE RED LETTERING ON A WHITE BACKGROUND STATING, "WARNING- THIS AREA IS A STORMWATER FACILITY AND IS SUBJECT TO PERIODIC FLOODING.
- SEE LANDSCAPE PLAN FOR RE-SEEDING AREAS ASSOCIATED WITH PERMANENT CONTROL MEASURE IMPROVEMENTS.
- SEE GRADING & EROSION CONTROL PLANS FOR ANY EXISTING VEGETATION IN THE AREA. CLEARING AND GRUBBING WILL OCCUR PRIOR TO POND CONSTRUCTION AND THEREFORE, NO EXISTING VEGETATION WILL BE PRESENT.

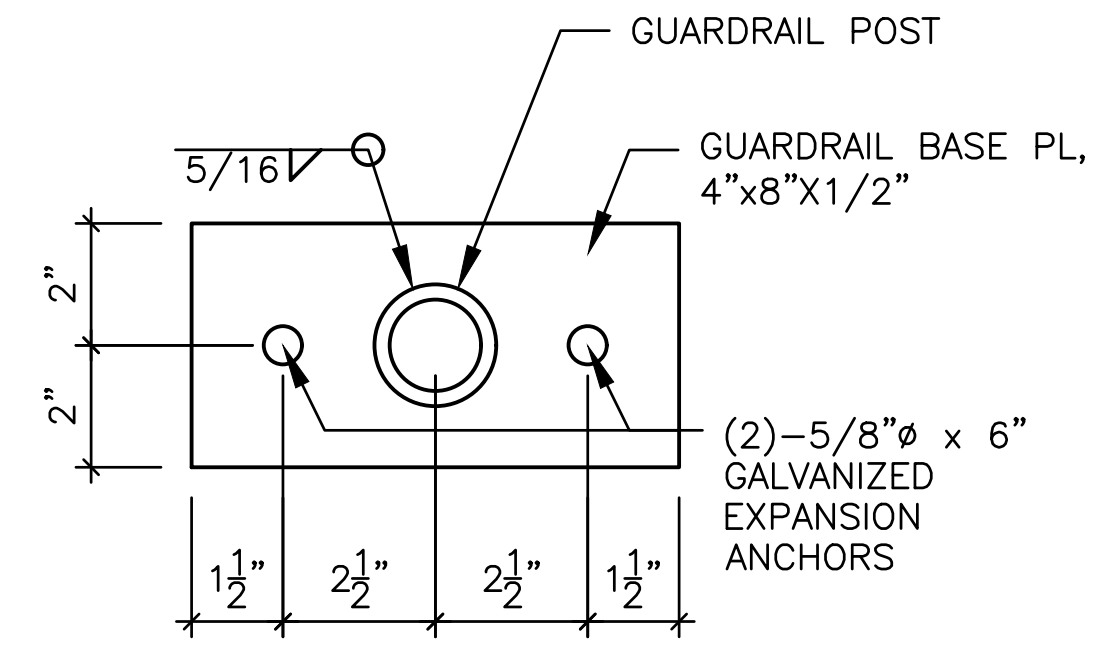
ABBREVIATIONS:

B.O.P. ~ BOTTOM OF POND
T.O.P. ~ TOP OF POND
T.C. ~ TRICKLE CHANNEL
T.B.C. ~ TOP BACK OF CURB
C.L. ~ CENTERLINE
E.O.G. ~ EDGE OF GRADING
T.O.W. ~ TOP OF WALL
B.O.W. ~ BOTTOM OF WALL

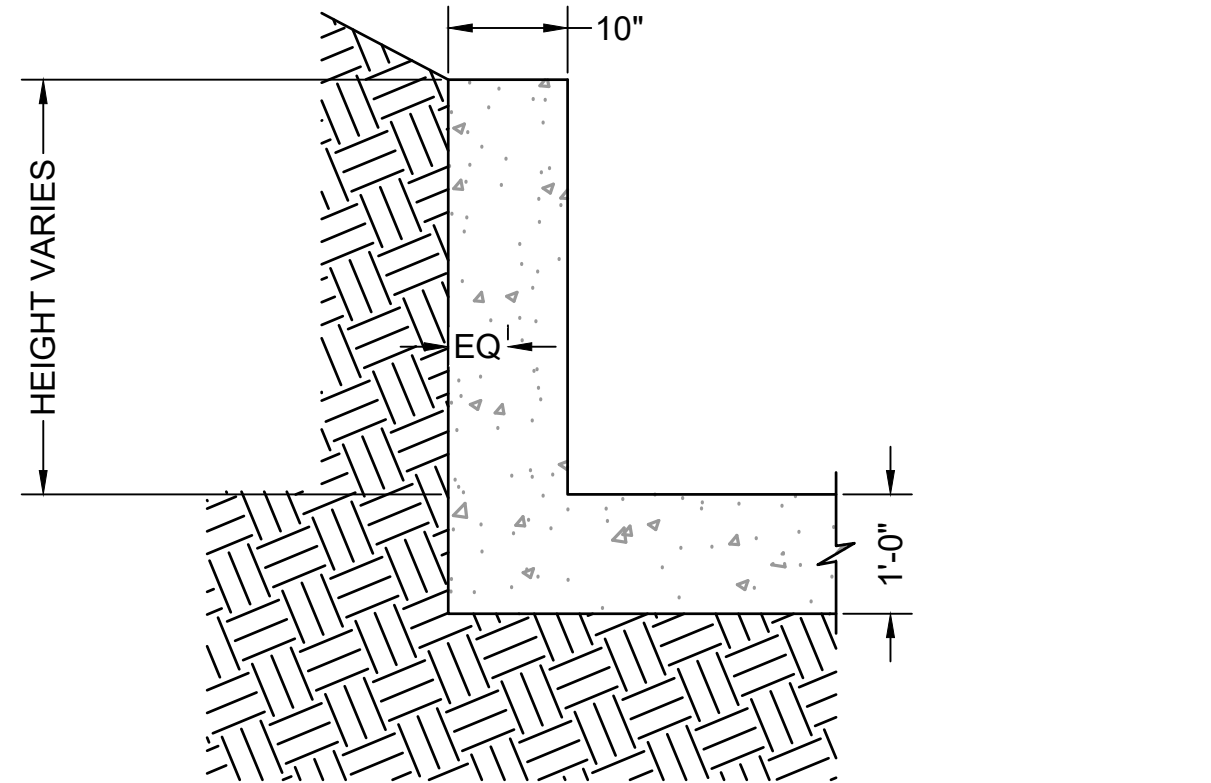
POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
1	FB NOTCH	N: 1401025.71 E: 3270147.06	6730.03
2	FB	N: 1401023.66 E: 3270141.28	6730.63
3	OUTLET STRUCT	N: 1401013.09 E: 3270140.83	6730.34
4	TC FLOWLINE	N: 1401011.14 E: 3270140.83	6729.75
5	OUTLET STRUCT	N: 1401008.43 E: 3270140.83	6730.30
6	BP	N: 1401001.83 E: 3270140.83	6730.12
7	BP	N: 1400990.33 E: 3270152.33	6730.70
8	BP	N: 1400990.33 E: 3270276.62	6731.94
9	BP	N: 1401008.25 E: 3270412.31	6733.04
10	FB	N: 1401009.64 E: 3270412.31	6733.04
11	FB	N: 1401011.14 E: 3270412.31	6732.46
12	FB NOTCH	N: 1401011.14 E: 3270412.31	6732.46
13	FB	N: 1401012.64 E: 3270412.31	6733.04
14	FB	N: 1401014.02 E: 3270412.31	6733.05
15	END MAINT. RD	N: 1401022.64 E: 3270412.20	6733.27
16	BP	N: 1401031.94 E: 3270400.91	6733.18
17	BP	N: 1401031.94 E: 3270276.62	6731.94
18	MAINT. RD/BP	N: 1401031.94 E: 3270197.34	6731.15
19	MAINT. RD/BP	N: 1401031.94 E: 3270167.87	6730.85
20	FB	N: 1401032.06 E: 3270149.09	6730.64

POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
21	FB	N: 1401039.67 E: 3270141.42	6734.10
22	FB	N: 1401031.22 E: 3270133.09	6734.11
23	TP	N: 1401020.44 E: 3270110.83	6738.36
24	SW	N: 1401019.14 E: 3270110.83	6738.48
25	SW CREST	N: 1401011.14 E: 3270110.83	6739.18
26	SW CREST	N: 1400992.39 E: 3270111.91	6740.00
27	SW	N: 1400986.25 E: 3270113.86	6740.00
28	SW	N: 1401019.14 E: 3270100.83	6740.00
29	RIPRAP	N: 1401019.14 E: 3270089.05	6735.17
30	SW CREST	N: 1400990.12 E: 3270102.18	6739.58
31	SW	N: 1400982.49 E: 3270104.60	6739.99
32	RIPRAP	N: 1400982.49 E: 3270093.13	6735.10
33	TP	N: 1400960.33 E: 3270152.33	6740.00
34	TOB	N: 1400950.33 E: 3270152.33	6740.00
35	TOB	N: 1400950.33 E: 3270203.80	6740.00
36	TP	N: 1400960.33 E: 3270400.91	6740.00
37	TP	N: 1401001.83 E: 3270442.41	6740.00
38	FL	N: 1401010.15 E: 3270442.56	6740.02
39	TP	N: 1401020.44 E: 3270442.41	6740.00
40	FL	N: 1401016.52 E: 3270484.73	6740.93

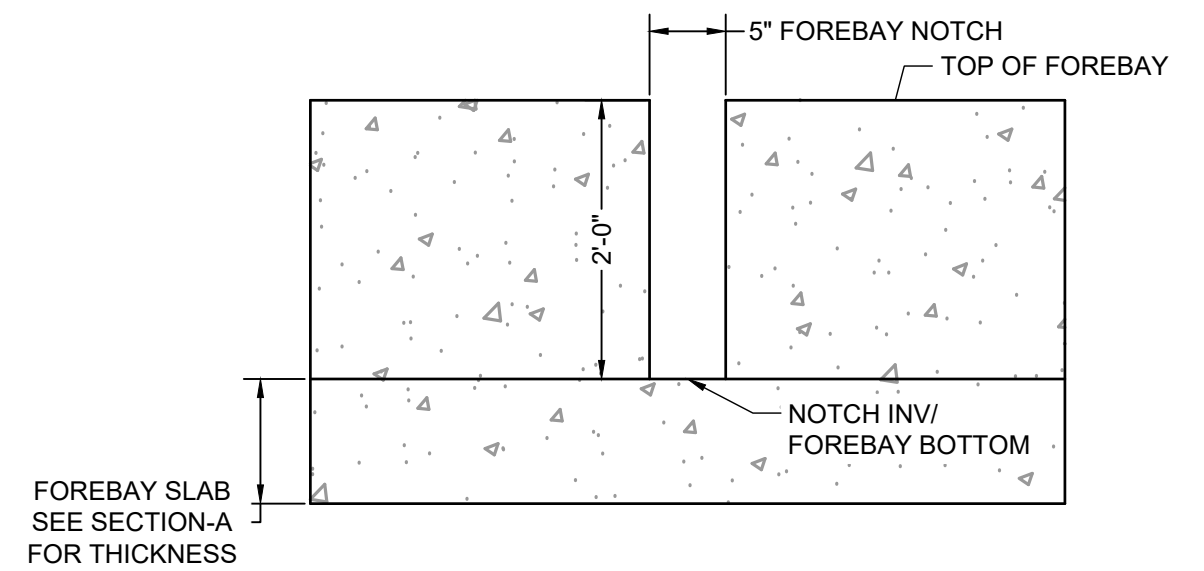
POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
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42	FB	N: 1401005.21 E: 3270426.13	6736.37
43	FB	N: 1401017.07 E: 3270426.13	6736.37
44	FB	N: 1401017.07 E: 3270415.36	6734.00
45	TP	N: 1401061.94 E: 3270400.91	6740.00
46	TP	N: 1401061.94 E: 3270287.25	6740.00
47	TP	N: 1401061.94 E: 3270152.33	6740.00
48	MAINT. RD	N: 1401063.65 E: 3270109.45	6740.35
49	MAINT. RD	N: 1401054.25 E: 3270106.05	6740.15
50	MAINT. RD	N: 1401043.15 E: 3270166.29	6731.89
51	MAINT. RD	N: 1401022.64 E: 3270223.13	6731.28
52	MAINT. RD	N: 1401012.64 E: 3270221.38	6731.14
53	MAINT. RD	N: 1401012.64 E: 3270317.77	6732.10
54	MAINT. RD	N: 1401022.64 E: 3270317.77	6732.23
55	TC FLOWLINE	N: 1401011.14 E: 3270369.40	6732.04
56	TC FLOWLINE	N: 1401011.14 E: 3270282.32	6731.16
57	TC FLOWLINE	N: 1401011.14 E: 3270152.33	6729.86
58	TC FLOWLINE	N: 1401020.13 E: 3270151.56	6730.02
60	SW CREST	N: 1401011.14 E: 3270100.83	6740.00



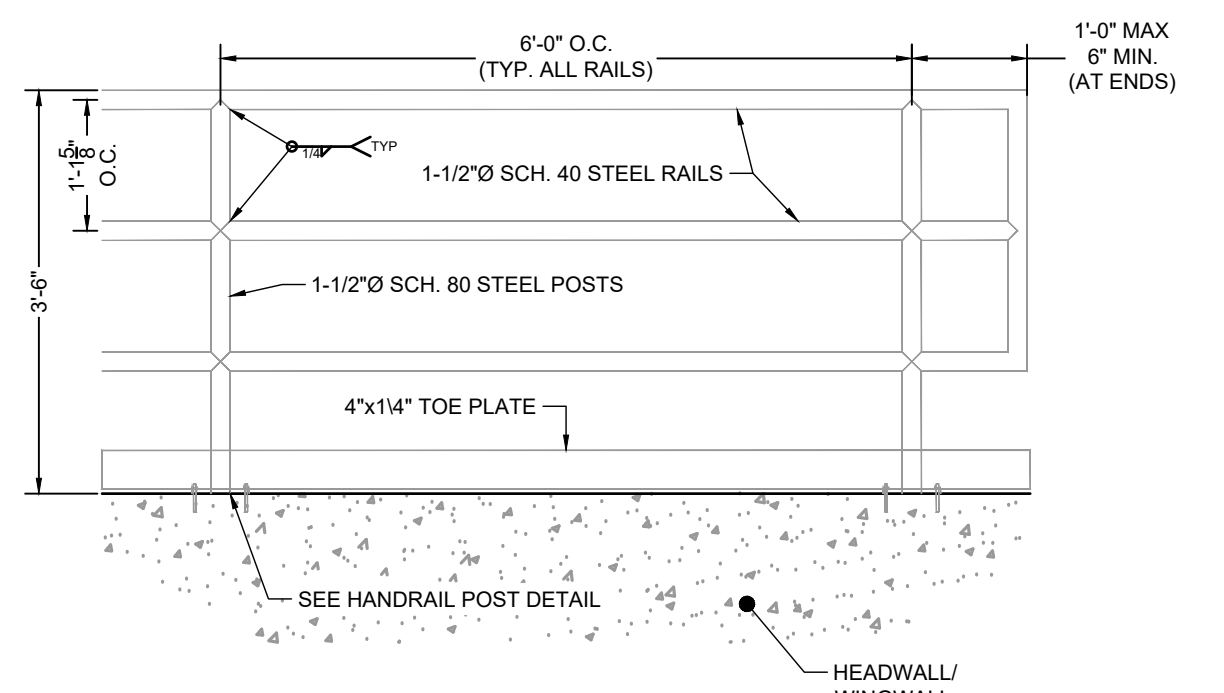
SCALE: NTS



SCALE: NTS



SCALE: NTS



SCALE: NTS

1. SEE SHEET 65 FOR STRUCTURAL NOTES AND DETAILS.
2. PEDESTRIAN RAILING IS NOT SHOWN IN PLAN VIEW DETAILS, SEE SECTION A FOR RAILING LOCATION.

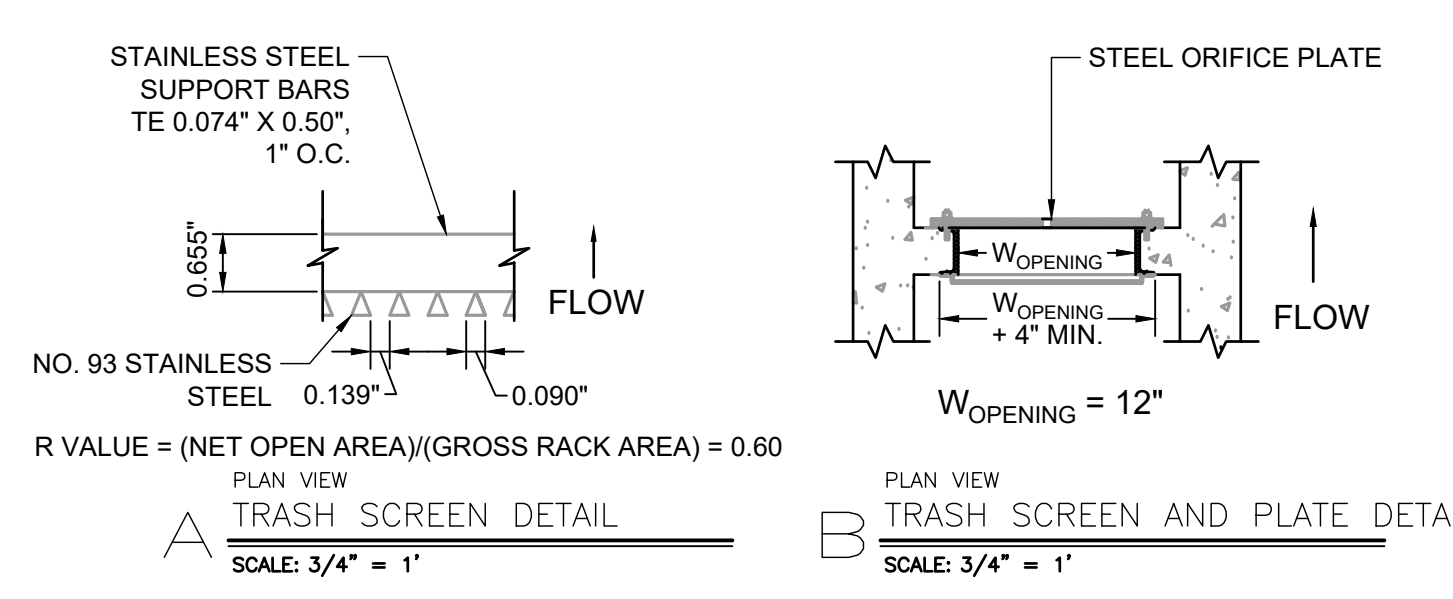
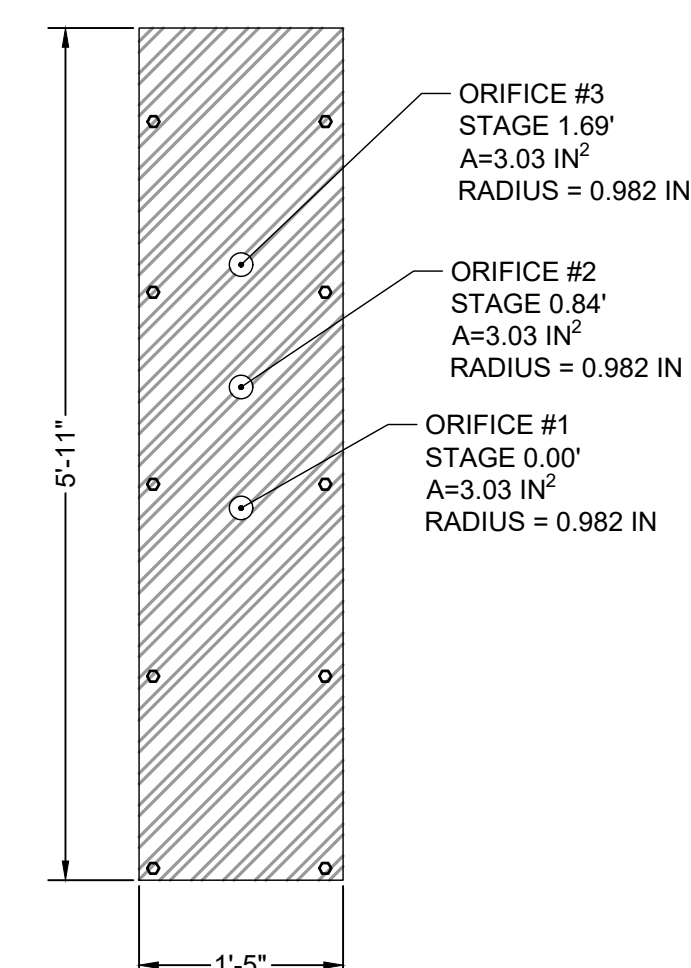
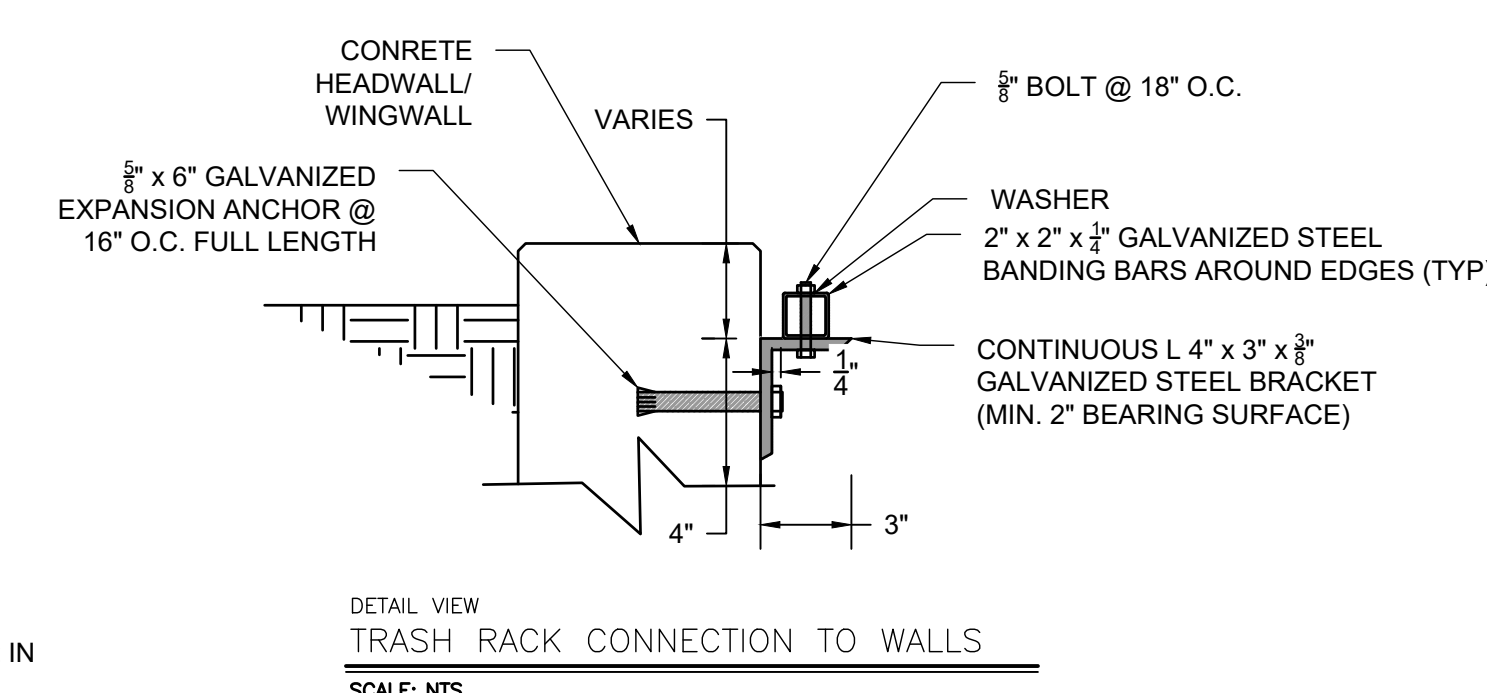
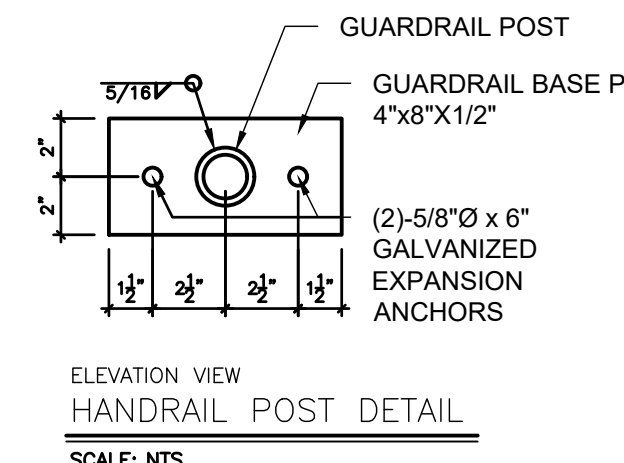
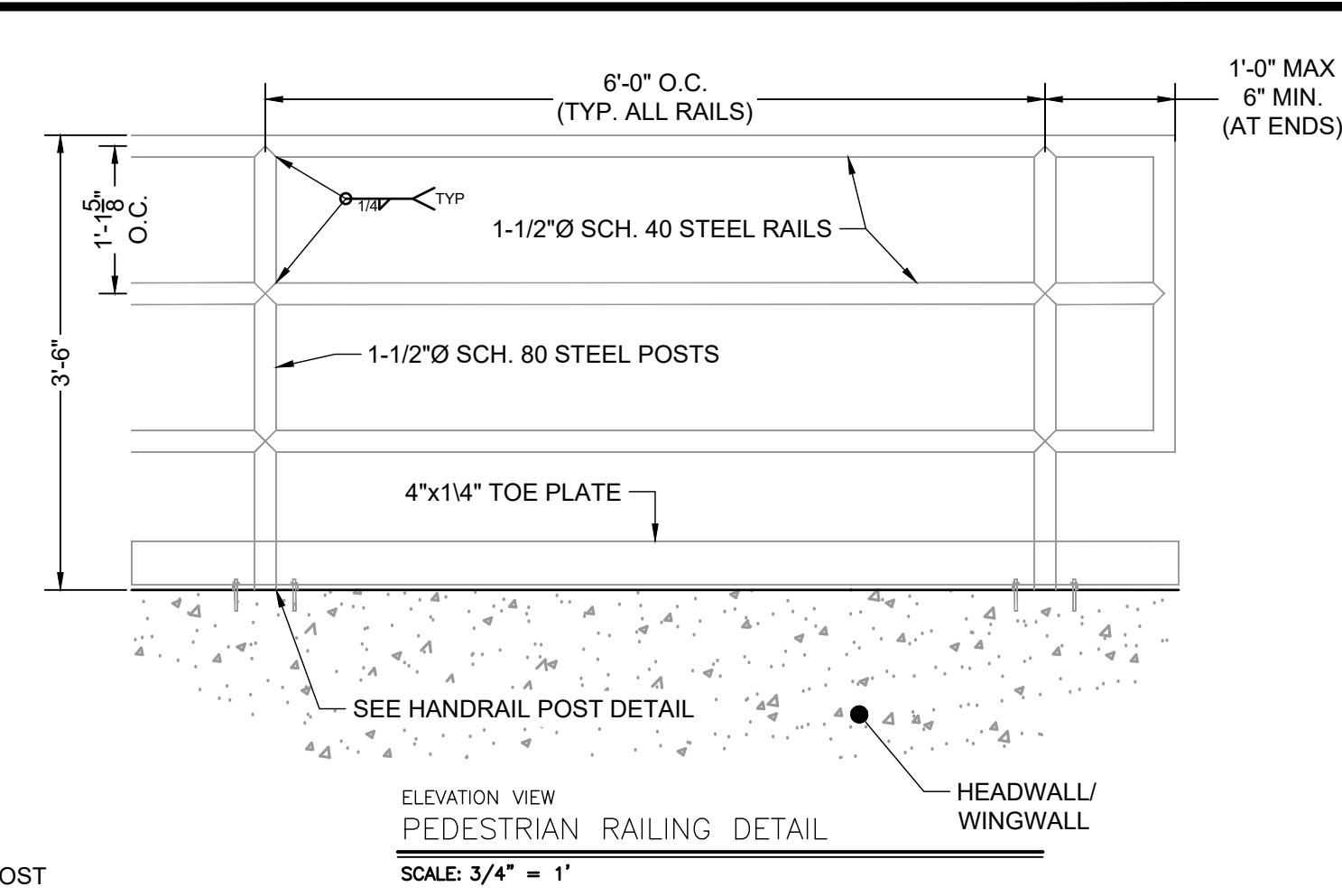
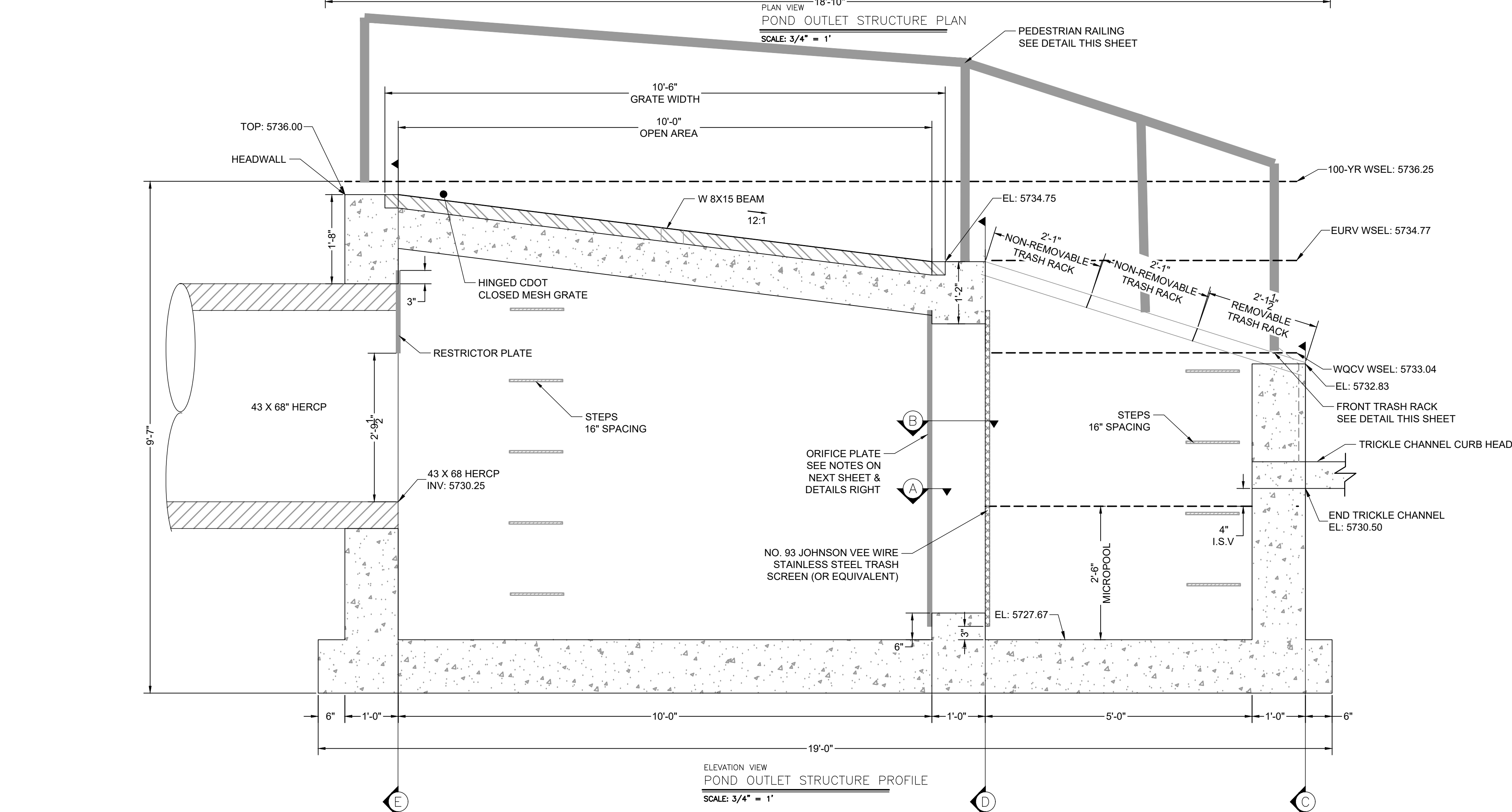
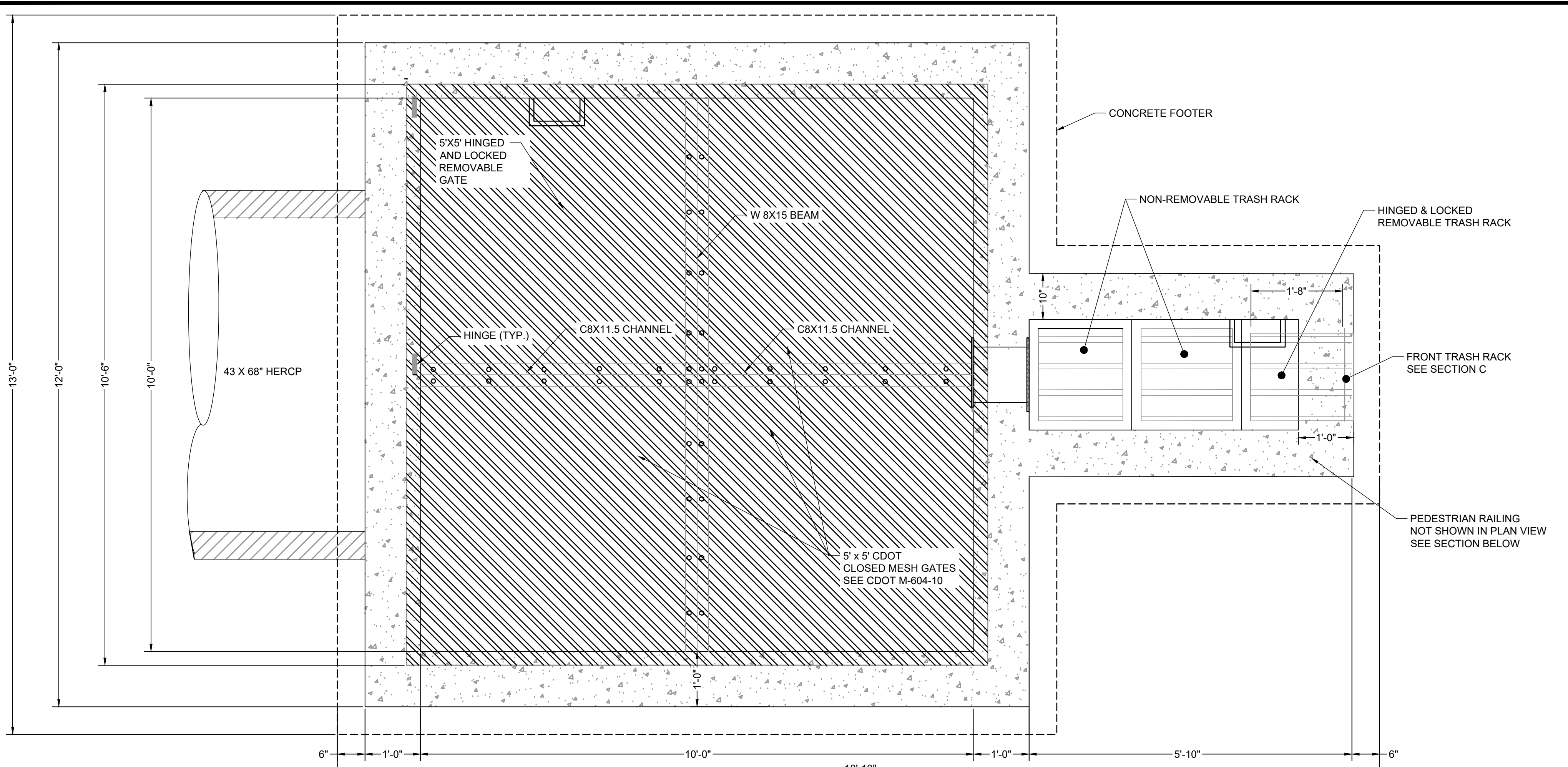


SCALE: 1"=2'



MEADOW LAKE INDUSTRIAL FILING NO. 1
MEADOWLAKE DEVELOPMENTS, LLC
EL PASO COUNTY, CO

SHEET
FB



- ORIFICE PLATE NOTES:**
1. PLATE TO BE 3/8" THICK GALVANIZED STEEL.
 2. BOLT PLATE TO CONCRETE 16" O.C. MAX.
 3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE

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

POND WARNING SIGN
SCALE: NTS
MINIMUM SIGN AREA = 3 FT²
SIGNS SHALL BE FABRICATED OF DURABLE
MATERIALS, SUCH AS METAL OR PLASTIC, USING
RED LETTERING ON A WHITE BACKGROUND

TWO SIGNS, EACH WITH A MINIMUM AREA OF 3 SQUARE FEET, SHALL BE PROVIDED
AROUND THE PERIMETER OF ALL DETENTION FACILITIES. THE SIGNS SHALL BE
FABRICATED OF DURABLE MATERIALS, SUCH AS METAL OR PLASTIC, USING RED
LETTERING ON A WHITE BACKGROUND WITH THE ABOVE MESSAGE

DRAWN BY: AXB JOB DATE: 6/5/2023
APPROVED: CPM JOB NUMBER: 2202774
CAD DATE: 8/25/2023
CAD FILE: J:\2022\2202774\CAD\Drawings\CID\South_Outlet_Structure_Details

BAR IS ONE INCH ON
OFFICIAL DRAWINGS.
0 1"

IF NOT ONE INCH,
ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

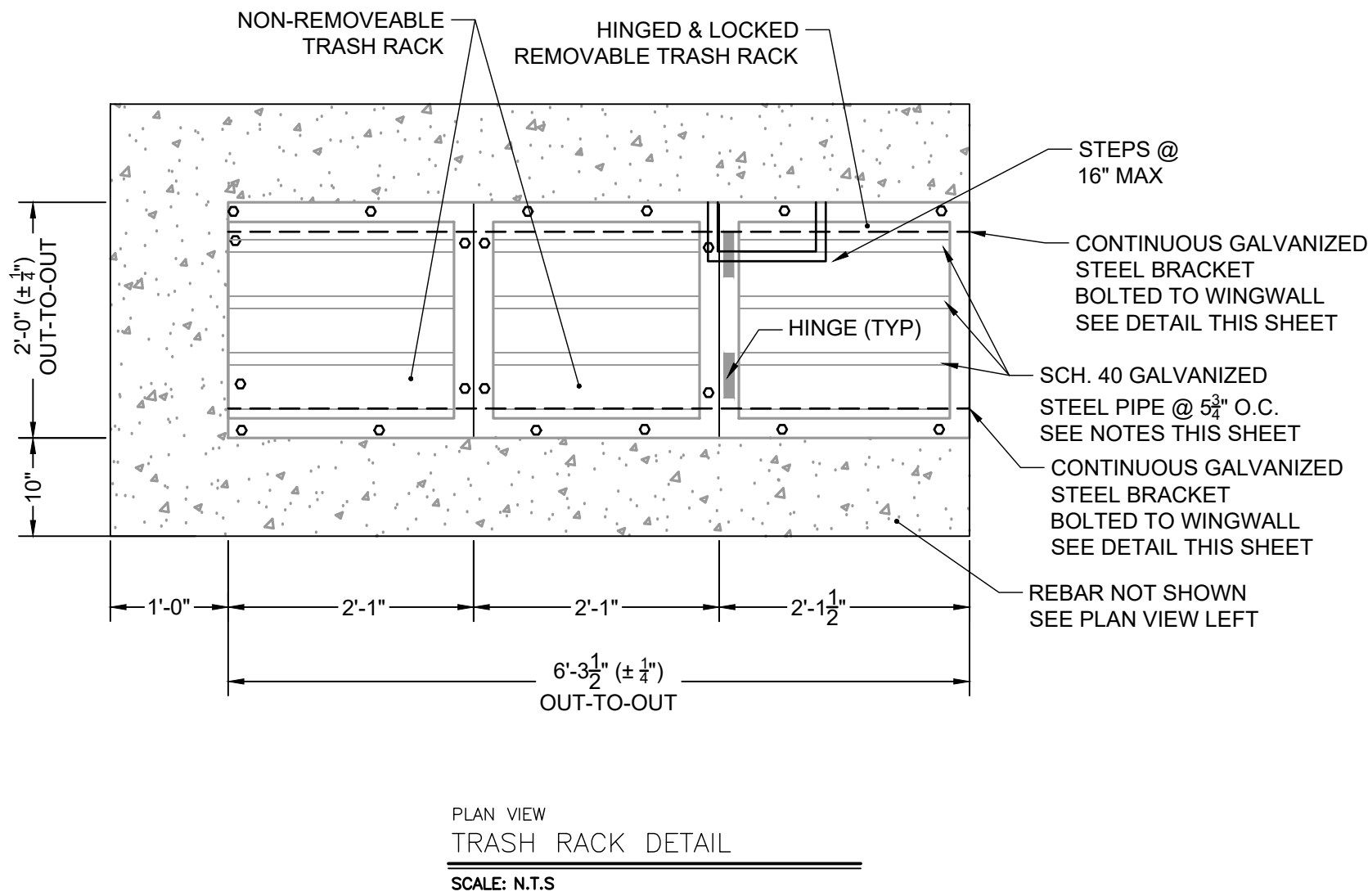
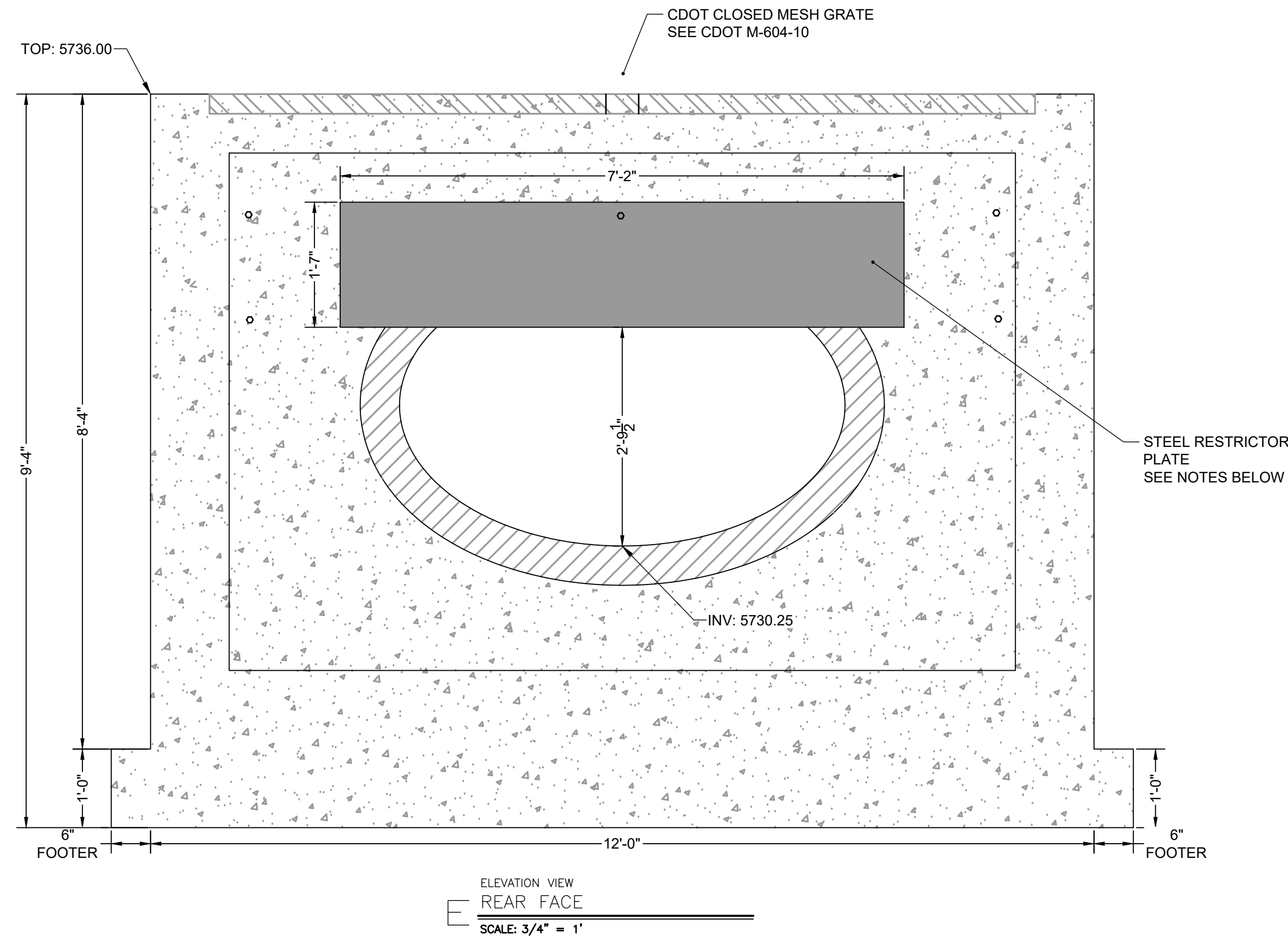
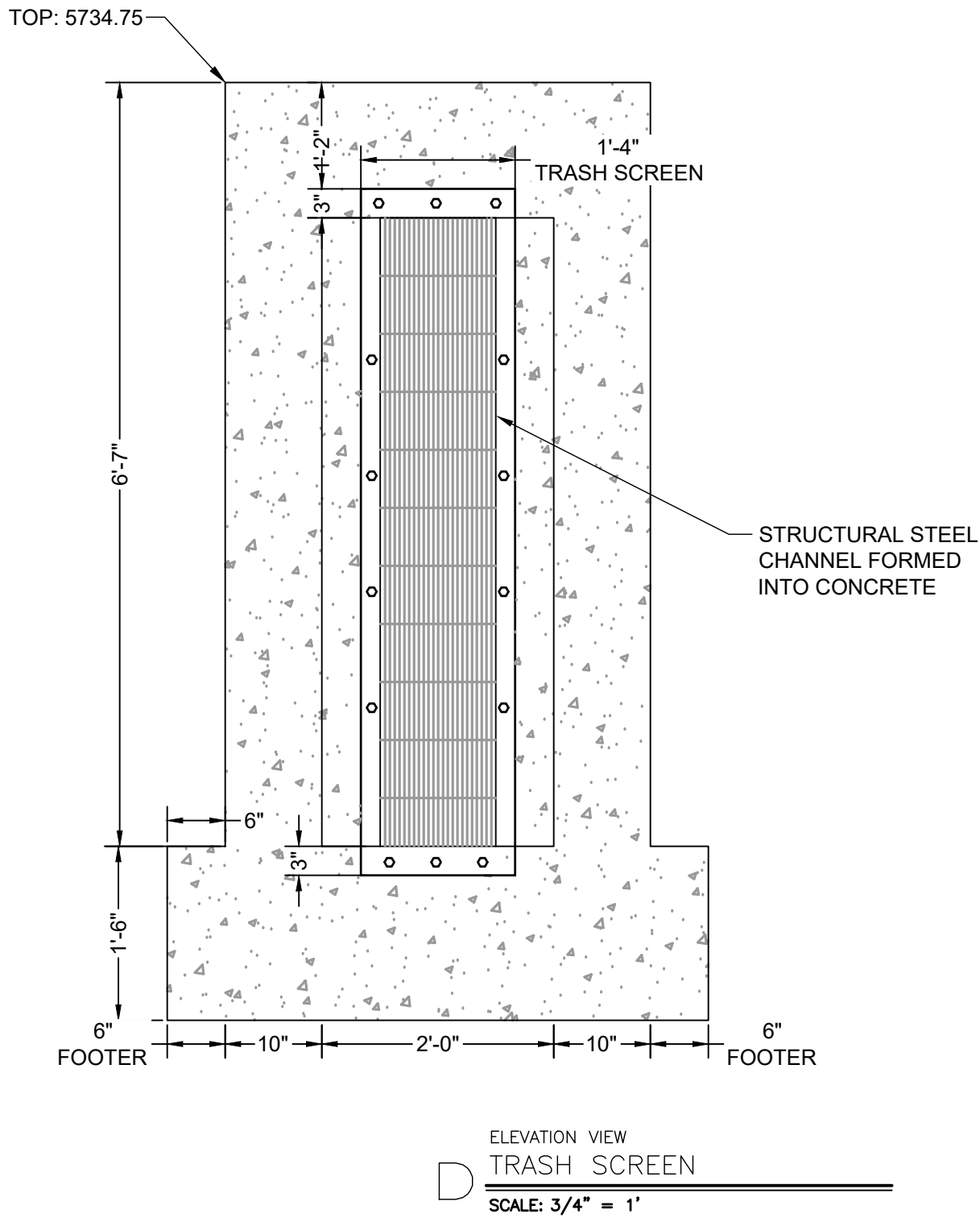
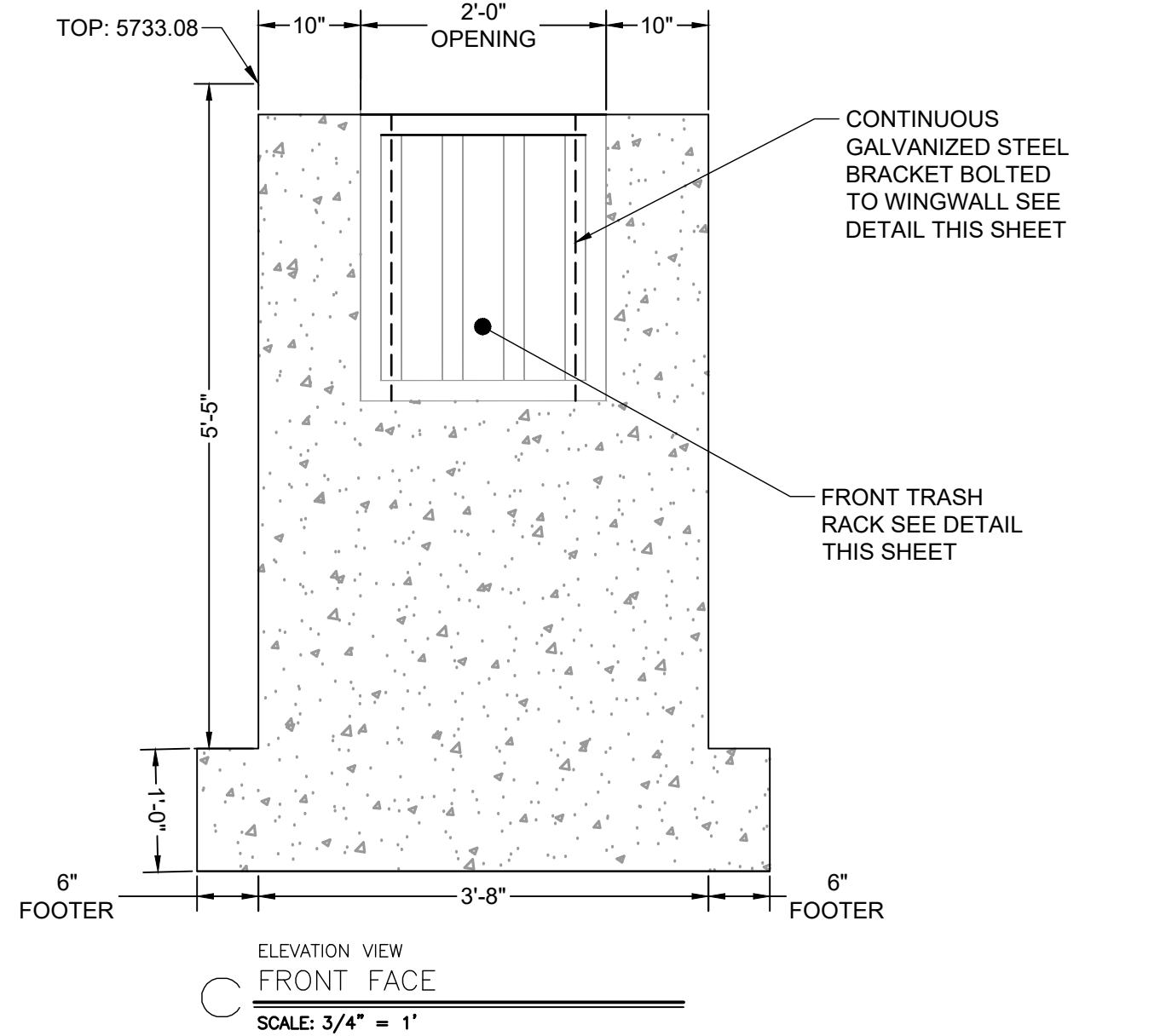
HRGreen

HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS, CO 80920
PHONE: 719.394.2440
FAX: 713.965.0044

MEADOW LAKE INDUSTRIAL FILING NO. 1
MEADOWLAKE DEVELOPMENTS, LLC
EL PASO COUNTY, CO

CONSTRUCTION DOCUMENTS
POND B - OUTLET STRUCTURE

SHEET
OS
34



TRASH SCREEN NOTES:

1. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
2. BAR GATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
3. TRASH RACK OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH RACK SIZE MAY NEED TO BE ADJUSTED FOR MATERIALS HAVING DIFFERENT OPEN AREA/GROSS AREA RATIO (R VALUE).
4. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.

TRASH RACK NOTES:

1. TRASH RACKS SHALL BE 1 1/2" SCH. 40 STEEL PIPE, GALVANIZED, @ 6" CENTERS. SUPPORT BARS SHALL BE 1/2" x 2" STEEL RECTANGULAR BARS, GALVANIZED @ 36". ALL TRASH RACKS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE.
2. REMOVABLE TRASH RACK SECTIONS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED & LOCKABLE OR BOLTABLE ACCESS PANELS AS SHOWN ON THE PLANS.
3. STEEL TRASH RACKS SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
4. STRUCTURAL STEEL FOR GRATES, ORIFICE PLATES, AND BARS SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH CDOT STANDARD SPECIFICATIONS, SUBSECTION 712.06.
5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL PLATES AND GRATING FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

RESTRICTOR PLATE NOTES:

1. 3/8" THICK RESTRICTOR PLATE, GALVANIZED STEEL.
2. BOLT PLATE TO CONCRETE @ 12" O.C. MAX
3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN PLATE AND CONCRETE