

EL PASO COUNTY, STATE OF COLORADO

AGENCIES:

VICINITY MAP
N.T.S.

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.



VIRGIL A. SANCHEZ, COLORADO P.E. #37160
FOR AND ON BEHALF OF M & S CIVIL CONSULTANTS, INC.

1-29-21

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

NAME: _____ DATE: 2-1-21

DL Holdings, LLC
BUSINESS NAME:
6799 Bismark Rd. Suite A Colorado Springs, CO 80918
ADDRESS:

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, 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.

APPROVED
Engineering Department
03/17/2021 12:26:08 PM
dsdnjkamp
**EPC Planning & Community
Development Department**

JENNIFER IRVINE, P.E.
COUNTY ENGINEER / ECM ADMINISTRATOR

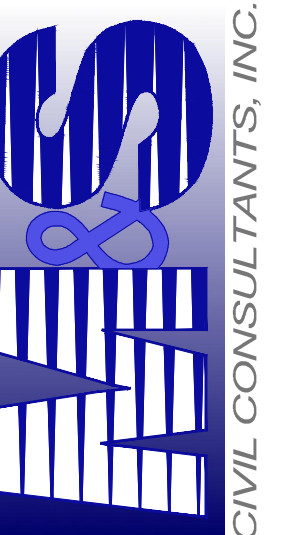
EL PASO COUNTY FILE NO. MS 20-002

2 DETENTION

PROJECT NO	43-117	SCALE:	1" = 10' / 1" = 10'
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DESIGNED BY:	DLM	HORIZONTAL: 1"=50' VERTICAL: N/A	SHEET 1 OF 6 DATE: 11/16/2020
DRAWN BY:	JP		
CHECKED BY:	VAS		

102 E. PIKES PEAK AVE., SUITE 500
COLORADO SPRINGS, CO 80903
PHONE: 719.555.5485



BEHALF OF
M&S CIVIL
CONSULTANTS,
INC.

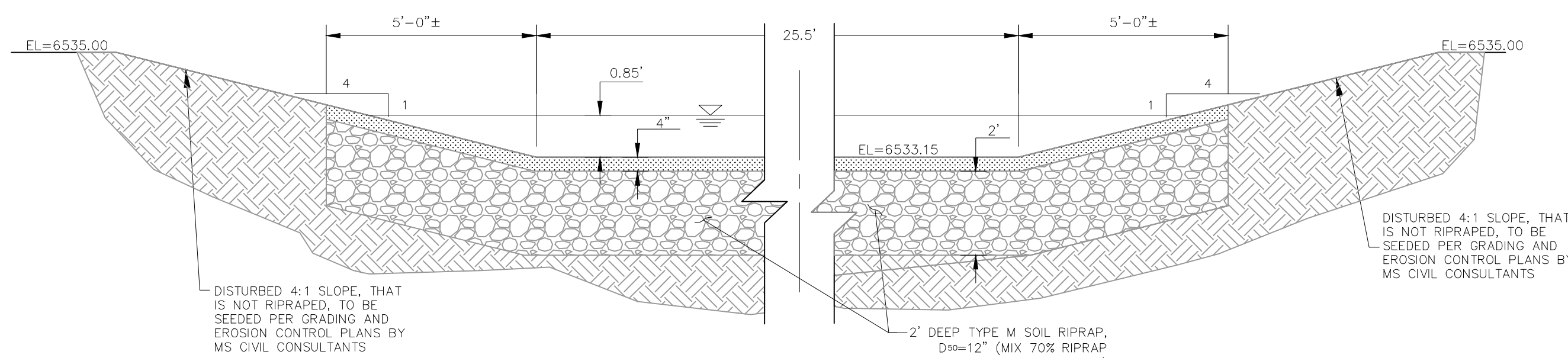


NO.	DATE:	BY:	DESCRIPTION:	APPR'D. BY:	DATE:

THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

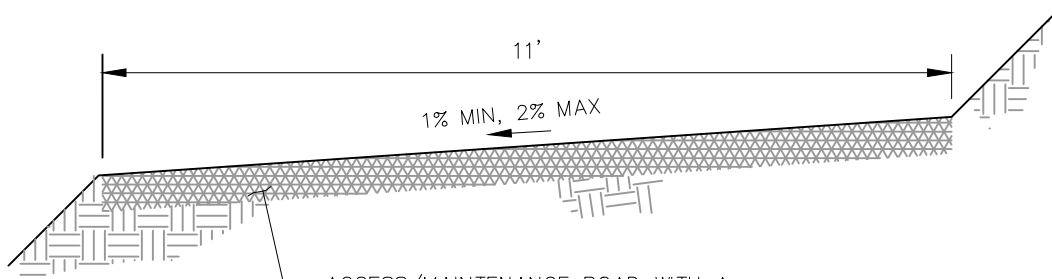
CAUTION

File: 0:\3117A-Dwire Yard\Drawings\DWG\DWG\ST01.dwg Plotstamp: 11/18/2020 9:56 AM



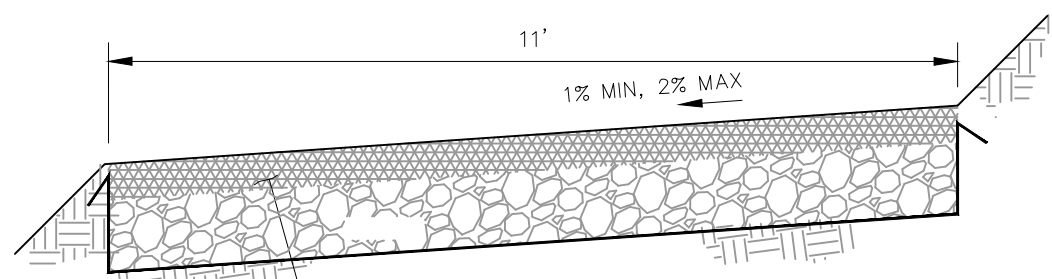
SECTION A-A, EMERGENCY SPILLWAY

NOT TO SCALE



MAINTENANCE & ACCESS ROAD
ABOVE EURV TYPICAL SECTION

NOT TO SCALE



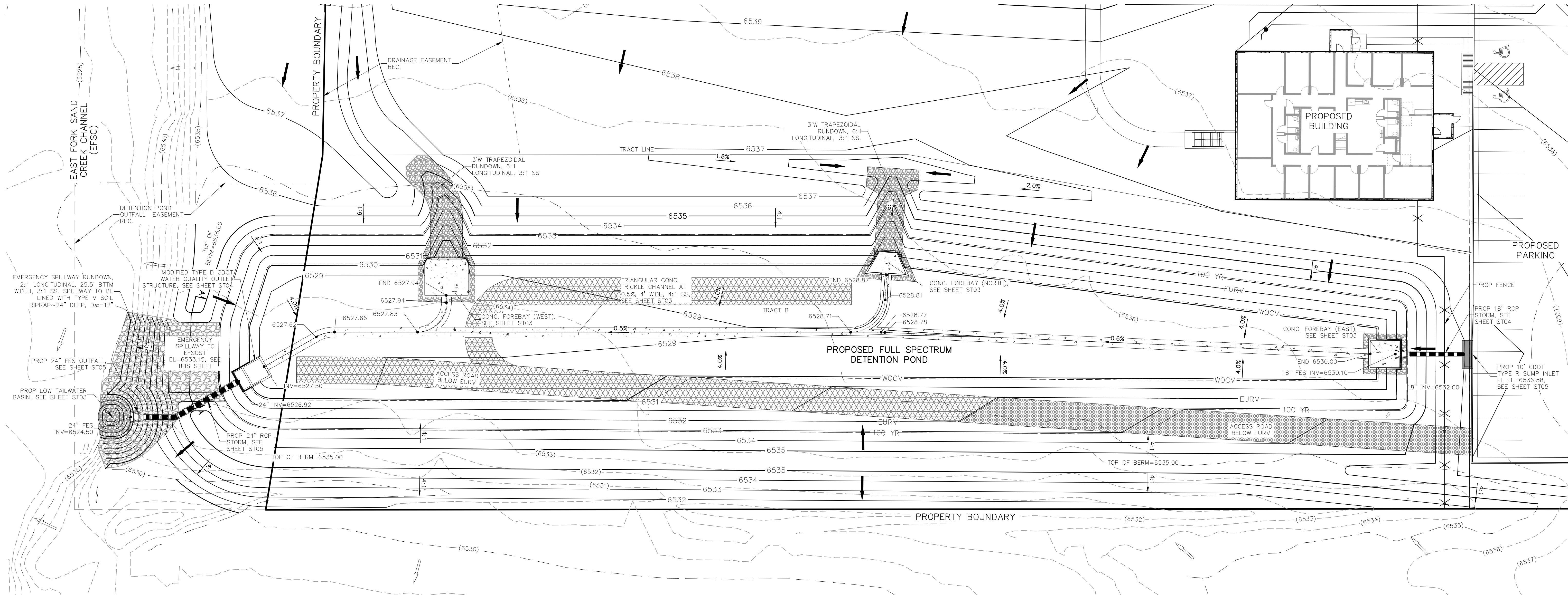
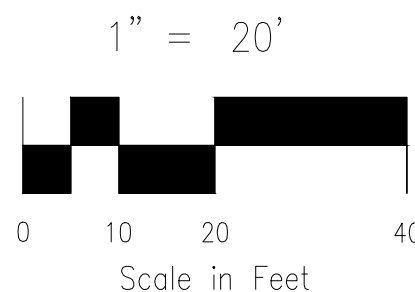
MAINTENANCE & ACCESS ROAD
BELOW EURV TYPICAL SECTION

NOT TO SCALE

FULL SPECTRUM DETENTION POND DATA	
WQ WATER SURFACE EL=6530.15	
WQ VOLUME=0.453 AC-FT	
EURV WATER SURFACE EL=6532.01	
EURV VOLUME=1.519 AC-FT	
100-YR WATER SURFACE EL=6533.15	
SPILLWAY CREST EL=6533.15	
TOP OF EMBANKMENT EL=6535.00	
100-YR VOLUME=2.352 AC-FT	
100-YR INFLOW=60.4 CFS	
100-YR RELEASE=17.5 CFS	

LEGEND

- | | | | |
|------|-------------------|--|--|
| EX | EXISTING | | RIPRAP TYP. |
| PROP | PROPOSED | | STABILIZED MAINTENANCE ROAD ABOVE EURV |
| | PROP MAJ CONT | | STABILIZED MAINT. ROAD BELOW EURV |
| | PROP MIN CONT | | CONCRETE LOW FLOW CHANNEL |
| | EXIST MAJ CONT | | SC250 EROSION CONTROL MATTING |
| | EXIST MIN CONT | | EX. FLOW ARROW |
| | 100 YR FLOODPLAIN | | PROP. FLOW ARROW |
| | PROPERTY LINE | | PROP STORM SEWER PIPE |



FULL SPECTRUM DETENTION POND SITE PLAN

SCALE 1"=20'

STATEMENT:

THE CITY OF COLORADO SPRINGS
RECOGNIZES THE DESIGN ENGINEER
AS HAVING RESPONSIBILITY FOR
THE DESIGN; THE CITY HAS
LIMITED ITS SCOPE OF REVIEW
ACCORDINGLY. RESUBMITTAL
REQUIRED IF CONSTRUCTION HAS
NOT COMMENCED WITHIN 180 DAYS
AFTER APPROVAL DATE.

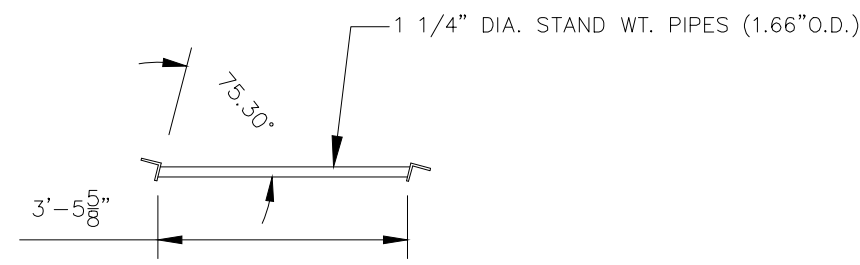


FOR LOCATING
& MARKING
GAS,
ELECTRIC,
WATER &
TELEPHONE
LINES

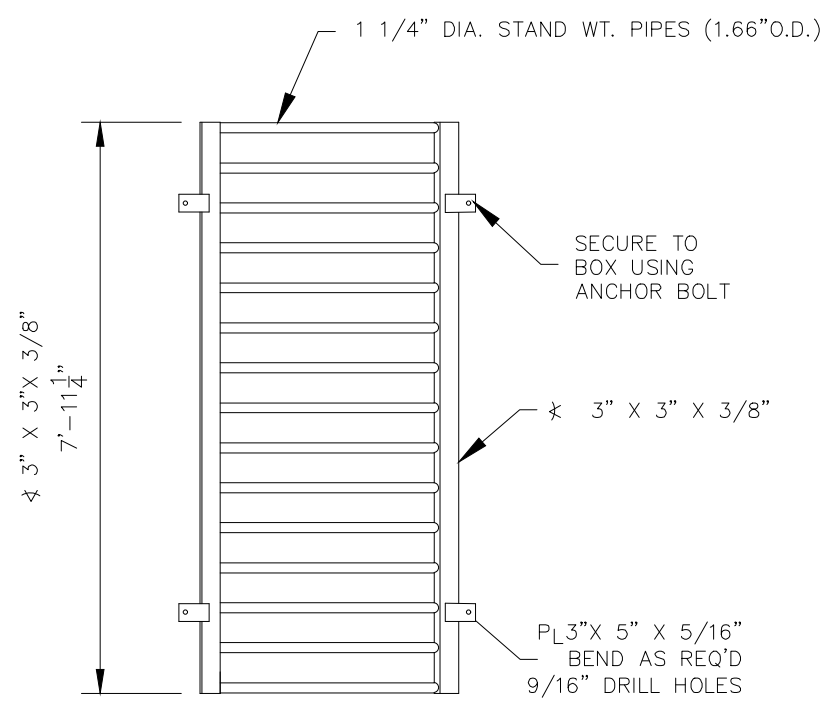
FOR BURIED UTILITY INFORMATION
48 HRS BEFORE YOU DIG
CALL 1-800-922-1987

EPC 3/17/2021

DWIRE STORAGE YARD		FULL SPECTRUM DETENTION POND SITE PLAN	
PROJECT NO. 43-117	DATE: 11/16/2020	SCALE: HORIZONTAL: 1"=20' VERTICAL: N/A	SHEET 2 OF 6
DESIGNED BY: CMM	DRAWN BY: CMM	CHECKED BY: VAS	ST02
20 BOULDER CRESCENT, SUITE 110 COLORADO SPRINGS, CO 80903 PHONE: 719.555.5485			
FOR AND ON BEHALF OF M&S CIVIL CONSULTANTS, INC.			
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CAUTION			



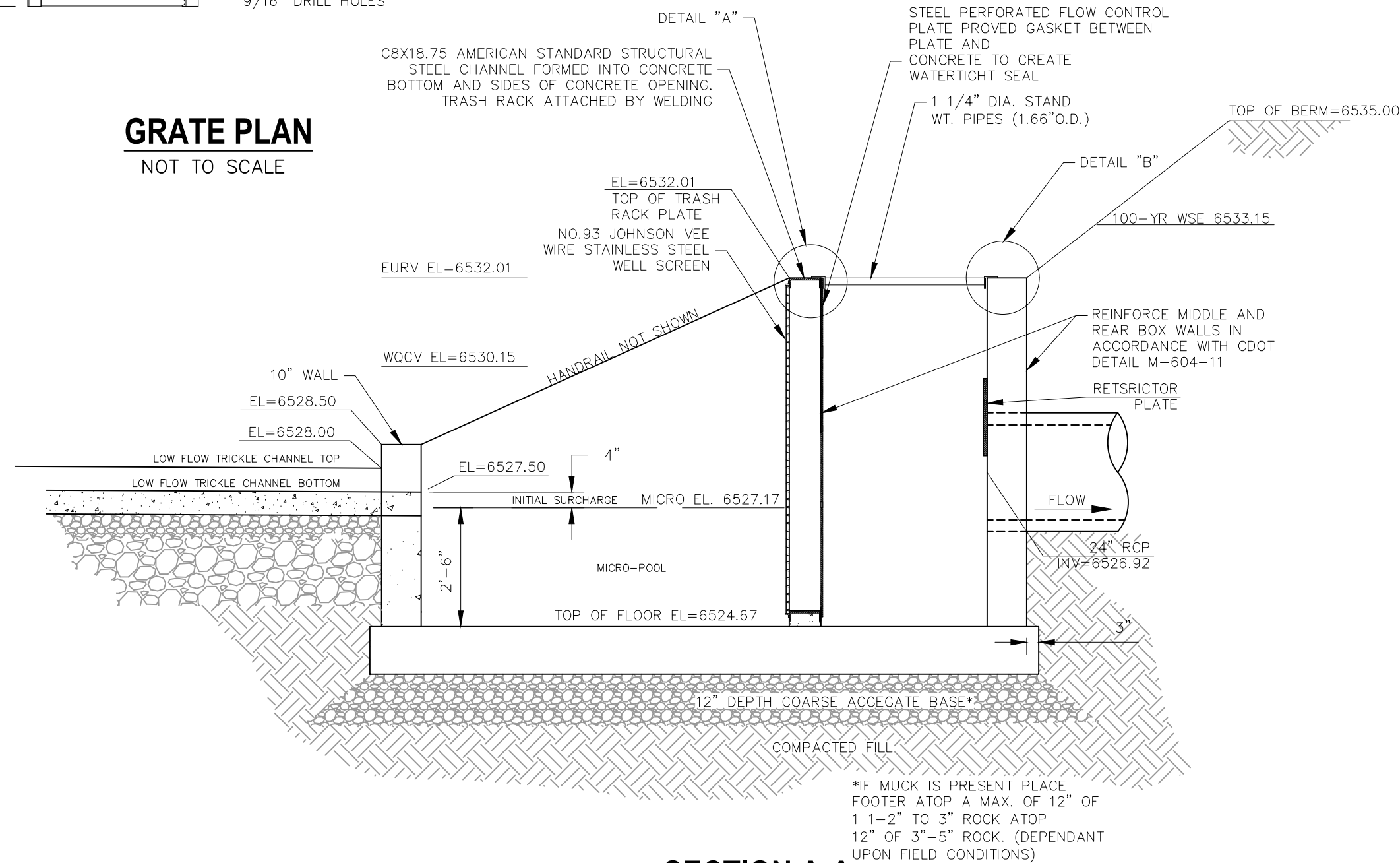
SECTION
NOT TO SCALE



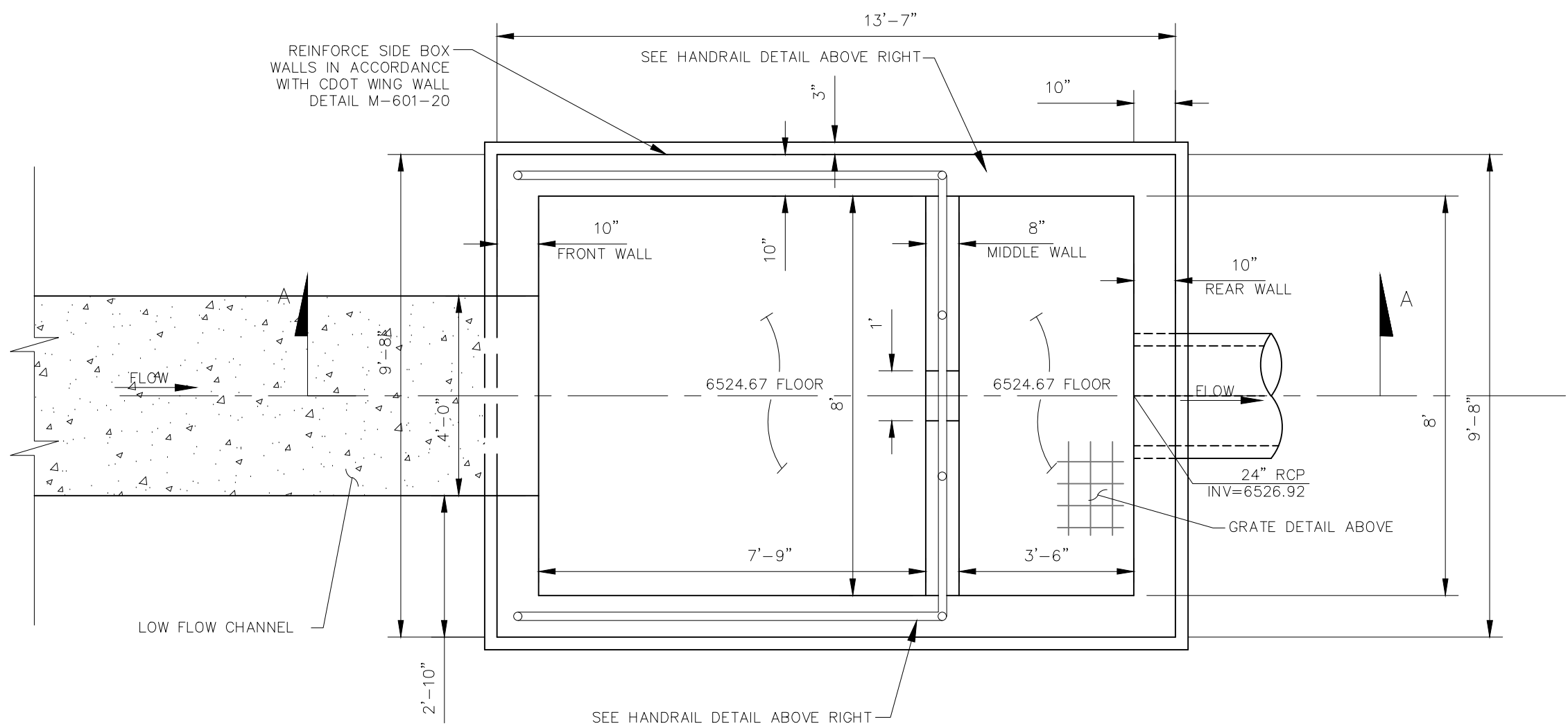
GRATE
DETAIL "A"

GRATE
DETAIL "B"

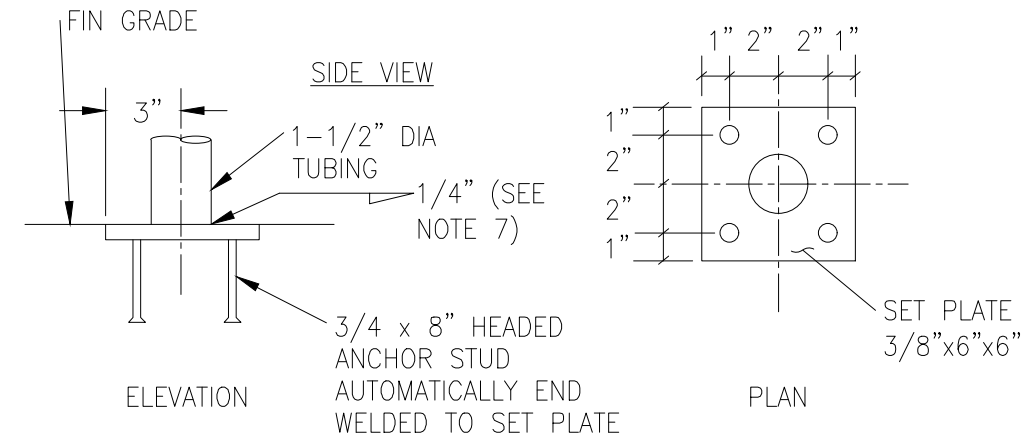
GRATE PLAN
NOT TO SCALE



SECTION A-A
NOT TO SCALE



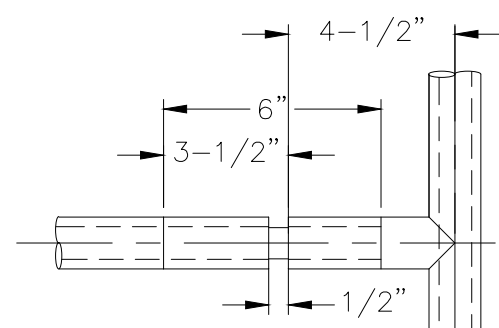
FDS POND WATER QUALITY OUTLET STRUCTURE
NOT TO SCALE



SET PLATE ANCHOR DETAILS
(NTS)

- 1) WELD PLATES MAY BE SUBSTITUTED FOR PIPE EMBEDMENT.
- 2) CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ENGINEER OF RECORD FOR APPROVAL PRIOR TO FABRICATION.
- 3) DESIGN CRITERIA SHALL BE IN ACCORDANCE WITH AASHTO STANDARDS.
- 4) HANDRAIL DESIGN SHALL BE COMPATIBLE WITH THE DESIGN OF THE WINGWALLS AND HEADWALLS.
- 5) RAILING POSTS SHALL BE SET TO NORMAL TO GRADE. RAILS SHALL RUN PARALLEL TO THE SLOPES OF THE TOP OF WALLS.
- 6) ALL RAILS SHALL BE FREE OF ANY SHARP EDGES OR CORNERS.

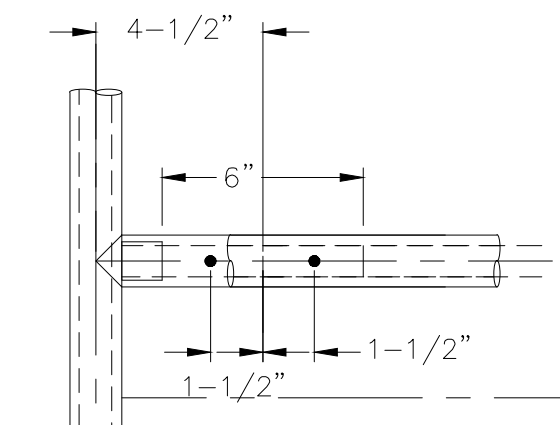
HANDRAIL ASSEMBLY DETAILS
NOT TO SCALE



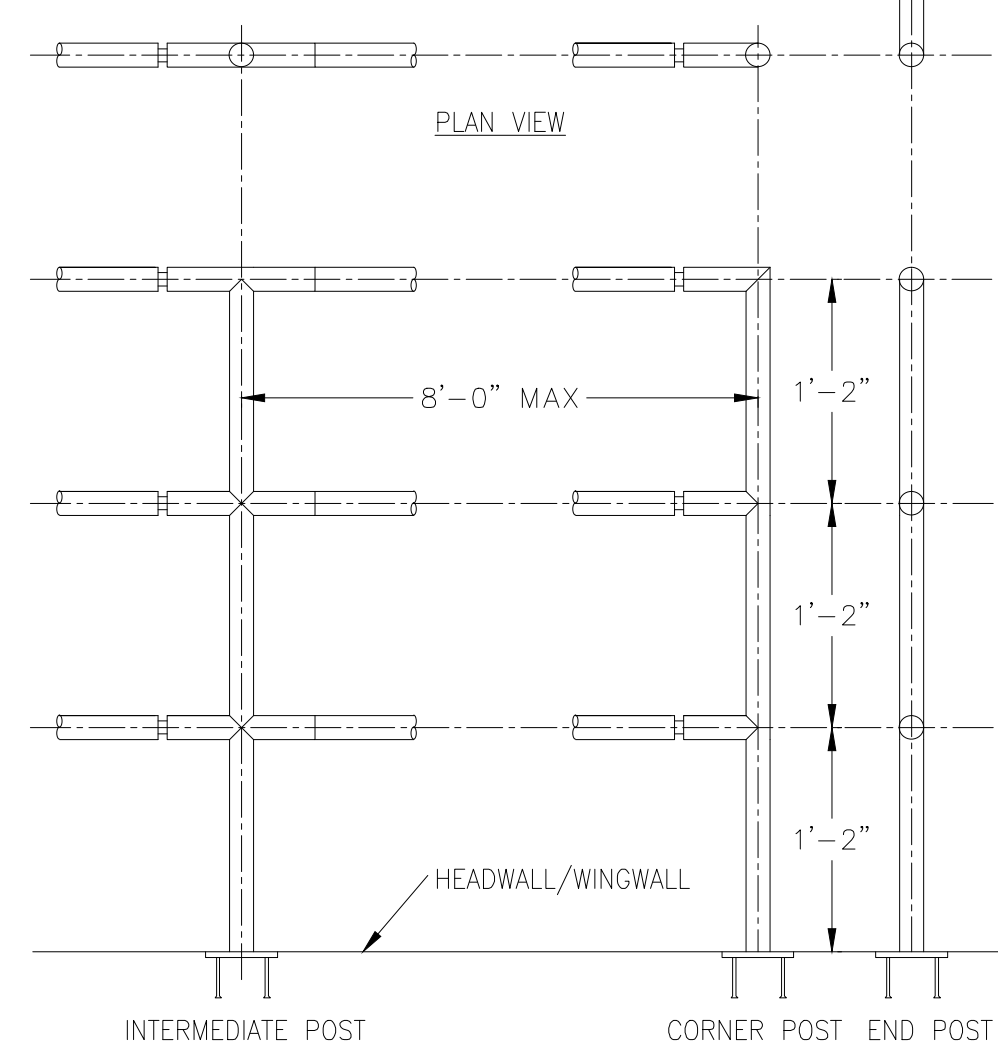
EXPANSION JOINT
DETAIL
(NTS)

MECHANICAL TUBING, 1/4"
MIN. WALL THICKNESS, 1/16"
CHAMFER BOTH ENDS. REAM
PIPE FOR SLIP FIT 0.03" MAX.
CLEARANCE

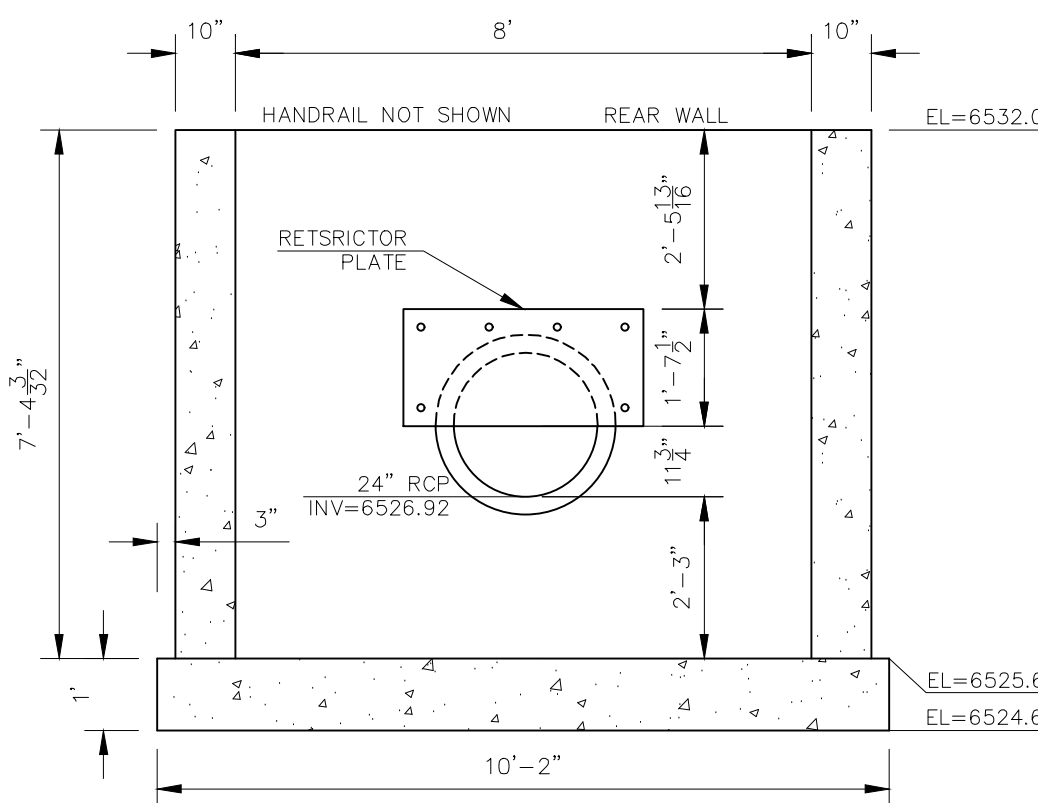
13/32" DRILL AND CSK.
PIPE 1/16" DEEP BOTH
SIDES. PROVIDE 3/8" DIA
SOFT STEEL ROD SUITABLE FOR
FIELD RIVETING, GRIND SMOOTH.



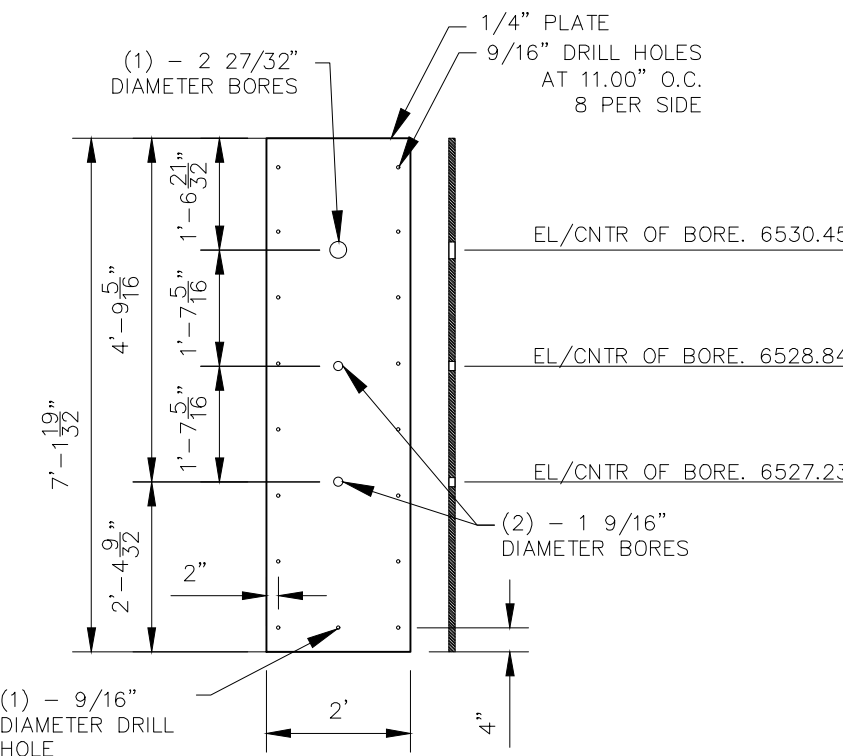
FIXED JOINT
DETAIL
(NTS)



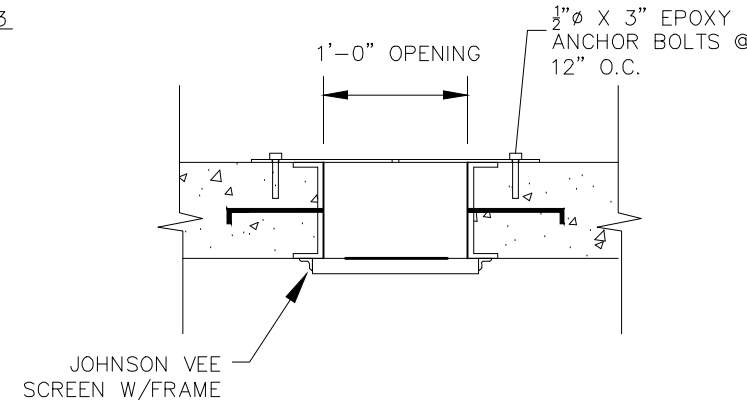
ELEVATION VIEW



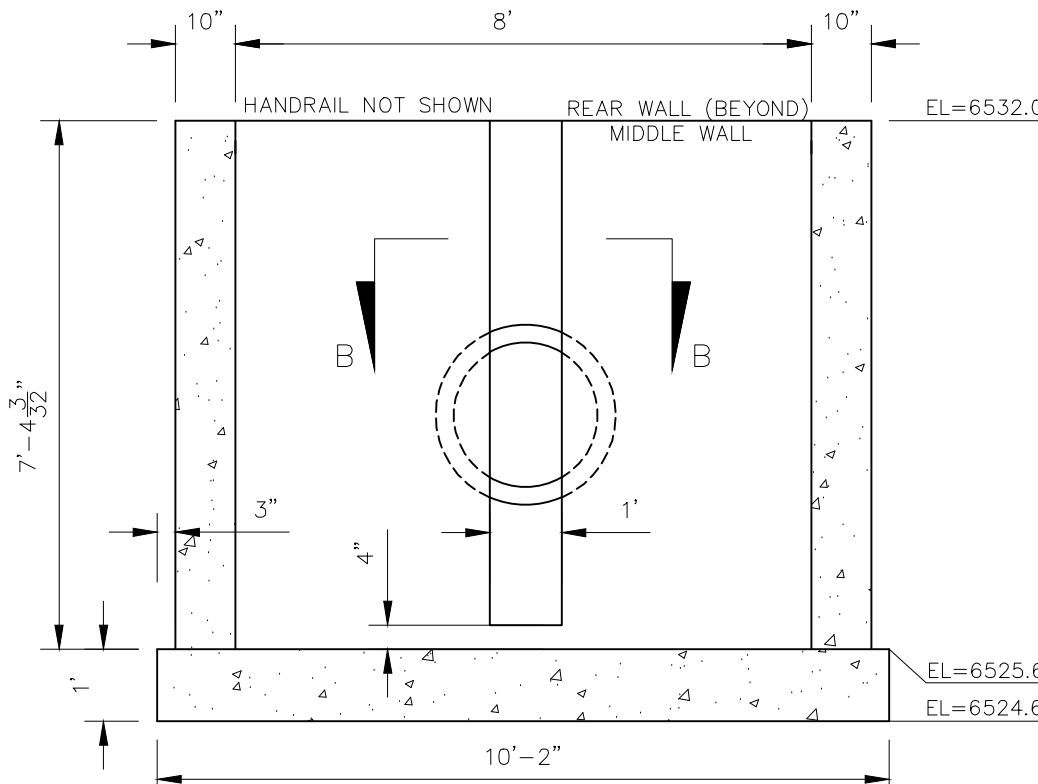
REAR WALL
NOT TO SCALE



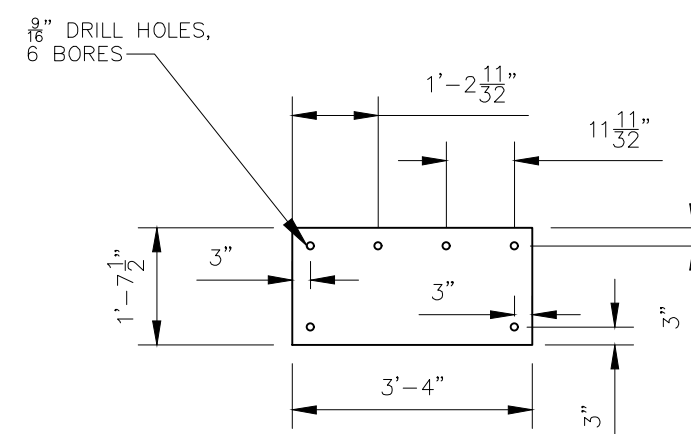
ORIFICE PLATE
NOT TO SCALE



SECTION B-B
NOT TO SCALE



MIDDLE WALL
NOT TO SCALE

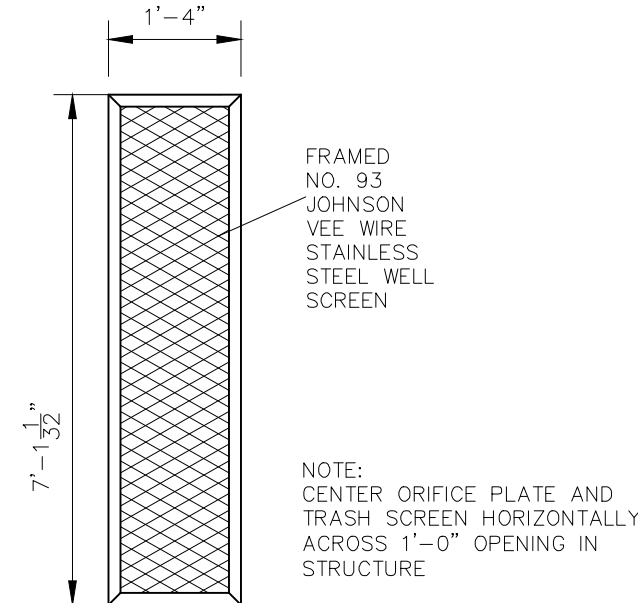


RESTRICTOR PLATE
NOT TO SCALE

NOTE:
ALL GRATES, IMBEDS, AND
FASTENERS SHALL BE FABRICATED
USING GALVANIZED STEEL, UNLESS
OTHERWISE NOTED.

ALL GRATE DIMENSIONS TO BE
FIELD VERIFIED PRIOR TO
FABRICATION. ALL GRATE MATERIAL
SHALL BE GALVANIZED.

TRASH SCREEN DETAIL
NOT TO SCALE



NOTE: CENTER ORIFICE PLATE AND
TRASH SCREEN HORIZONTALLY
ACROSS 1'-0" OPENING IN
STRUCTURE



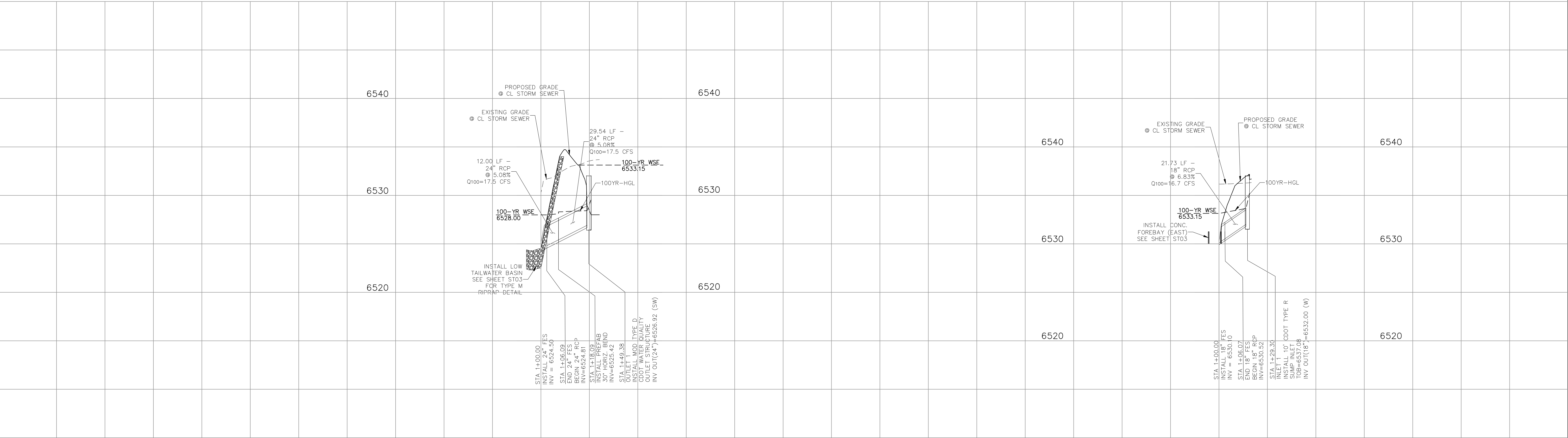
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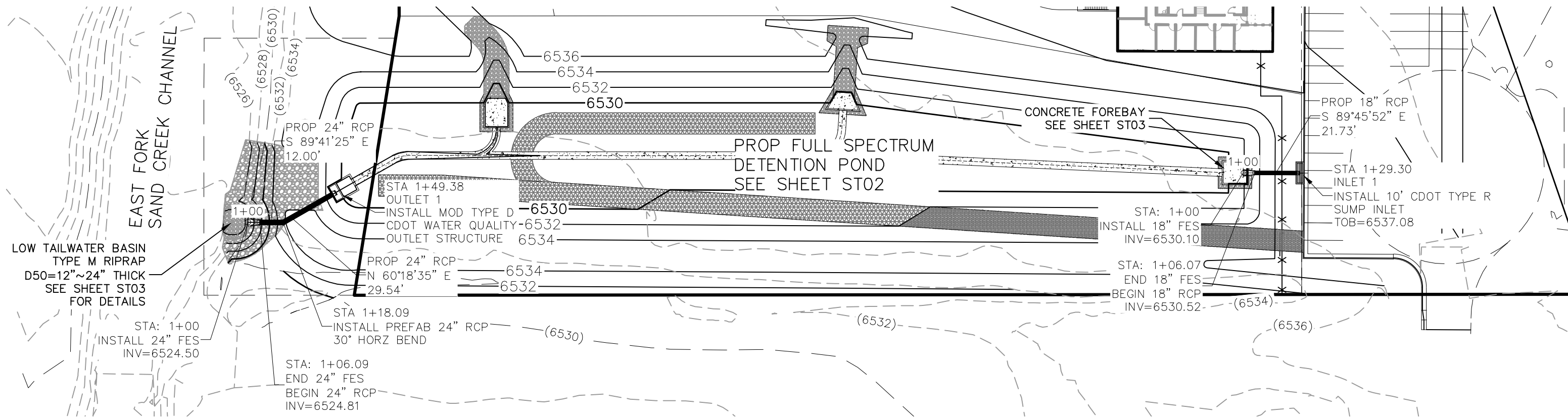


1+00 2+00

24" RCP OUTFALL

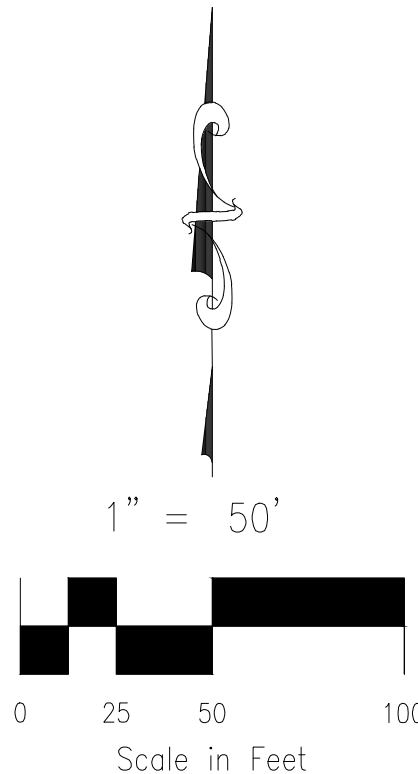
1+00 2+00

18" STORM SEWER



24" RCP OUTFALL
STA 1+00.00 TO STA 1+49.38

18" STORM SEWER
STA 1+00.00 TO STA 1+29.30



DWIRE STORAGE YARD

STORM SEWER PLAN AND PROFILE

PROJECT NO. 43-117

DESIGNED BY: GT
DRAWN BY: JWP
CHECKED BY: GT

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

DATE: 11-16-20

SHEET 5 OF 6

ST05

20 BOULDER CRESCENT, SUITE 110
COLORADO SPRINGS, CO 80903
PHONE: 719.555.5485

CIVIL CONSULTANTS, INC.

FOR AND ON
BEHALF OF
M&S CIVIL
CONSULTANTS,
INC.

REVISIONS:

NO.	DATE:	BY:	DESCRIPTION:	APPROVED BY:	DATE:

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CAUTION

EPC 3/17/2021

