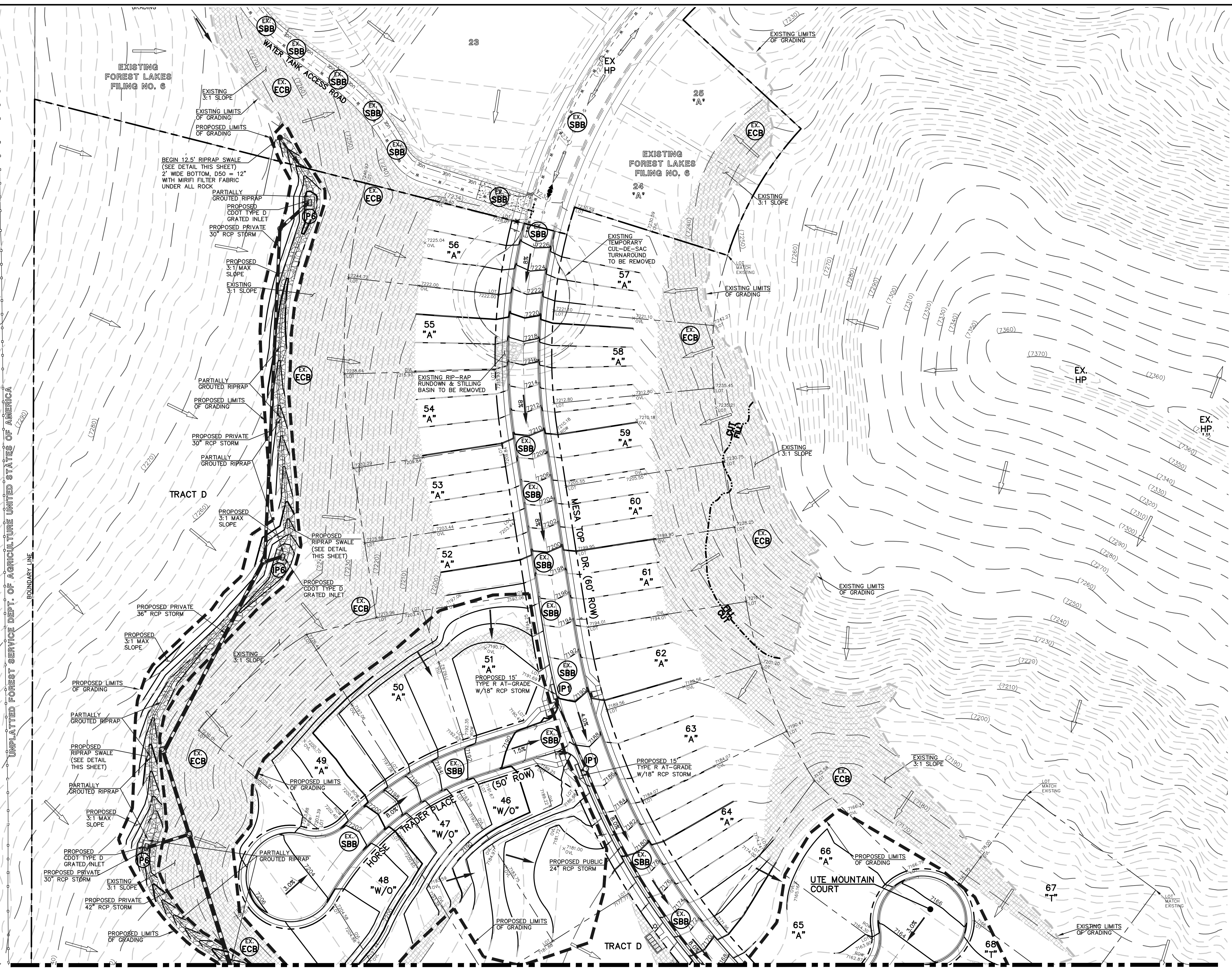
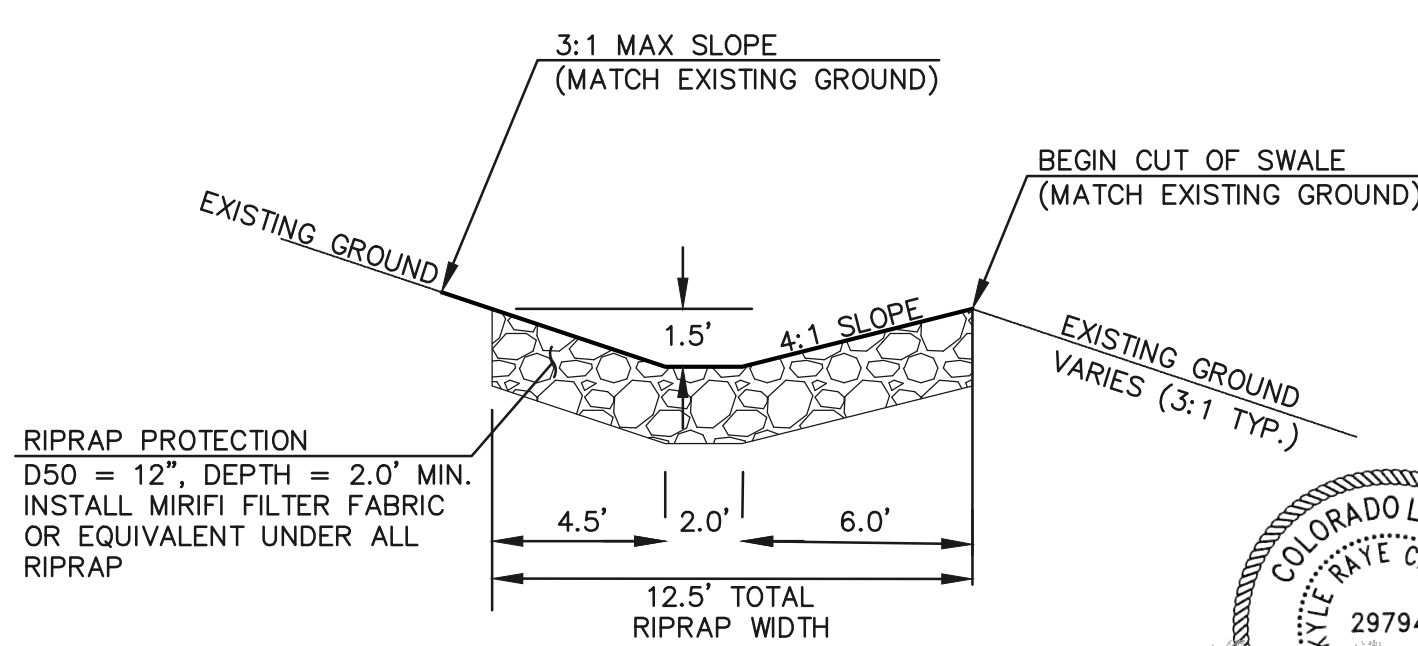


**PARTIALLY GROUTED RIPRAP:**  
 PORTIONS OF THE PROPOSED RIPRAP SWALE ARE TO BE "PARTIALLY GROUTED" PER CDOT SPECIFICATIONS, WITH THE GROUT FILLING ONLY 1/3 TO 1/2 OF THE TOTAL VOID SPACE. PORTLAND CEMENT BASED GROUT PLACED BY HOSE OR TREMIE, OR BY AUTOMATED MECHANICAL MEANS.

**NOTES:**  
 OVERLOT GRADING COMPLETED WITH PRE-DEVELOPMENT GRADING PLAN & PERMIT. EROSION CONTROL BLANKETS, TEMPORARY SEDIMENT BASINS, SILT FENCE & STRAW BALE BARRIERS INSTALLED PER THAT PLAN.  
 THERE WILL BE NO ASPHALT, CONCRETE BATCH PLANTS AND MASONRY MIX STATIONS ON THIS SITE.

- LEGEND**
- (7700) --- EXISTING CONTOUR
  - 7700 — PROPOSED CONTOUR
  - - - - - PROPOSED LIMITS OF GRADING/ CONSTRUCTION SITE BOUNDARY
  - - - - - BOUNDARY/R.O.W. LINE
  - EXISTING FLOW DIRECTION
  - PROPOSED FLOW
  - "A" A LOT
  - "B" B LOT
  - "W/O" WALKOUT LOT
  - "T" TRANSITION LOT
  - "G" GARDEN LOT
  - PROPOSED INLET
  - PROPOSED STORM SEWER PIPE
  - EX HP EXISTING HIGH POINT
  - EX LP EXISTING LOW POINT
  - EX TSB EXISTING TEMPORARY SEDIMENT BASIN
  - EX SF EXISTING SILT FENCE
  - EX SBB EXISTING STRAW BALE CHECK DAM
  - EX ECB EXISTING EROSION CONTROL BLANKET
  - X SF PROPOSED SILT FENCE
  - IP INLET PROTECTION
  - VTC VEHICLE TRACKING CONTROL
  - ECB PROPOSED EROSION CONTROL BLANKET
- CCM PHASING**
- (INSTALLED DURING INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE)
  - (INSTALLED PRIOR TO INITIAL PHASE (EGP) WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES)
  - (INSTALLED DURING INITIAL PHASE (EGP) WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES)
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  - (INSTALL PRIOR TO INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE OR SITE PAVING)
  - (INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)

**NOTE:**  
 SEE SHEETS 5-7 FOR LOT TEMPLATES AND EROSION CONTROL DETAILS



**AS-BUILTS**  
 10/23/2023  
 SF-21-49

48 HOURS BEFORE YOU DIG,  
 CALL UTILITY LOCATORS  
**811**  
 UTILITY NOTIFICATION CENTER OF COLORADO  
 IT'S THE LAW

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NO.	REVISION	DATE

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

*Kyle R. Campbell*  
 COLORADO LICENSED PROFESSIONAL ENGINEER  
 29794  
 P.E. #29794

03/31/22  
 DATE

**CLASSIC CONSULTING**

619 N. Cascade Avenue, Suite 200  
 Colorado Springs, Colorado 80903

(719) 785-0790  
 (719) 785-0799 (Fax)

FOREST LAKES FILING NO. 7

GRADING AND EROSION CONTROL PLAN  
 EPC 5/12/2022

DESIGNED BY MAL SCALE DATE 05/21/21

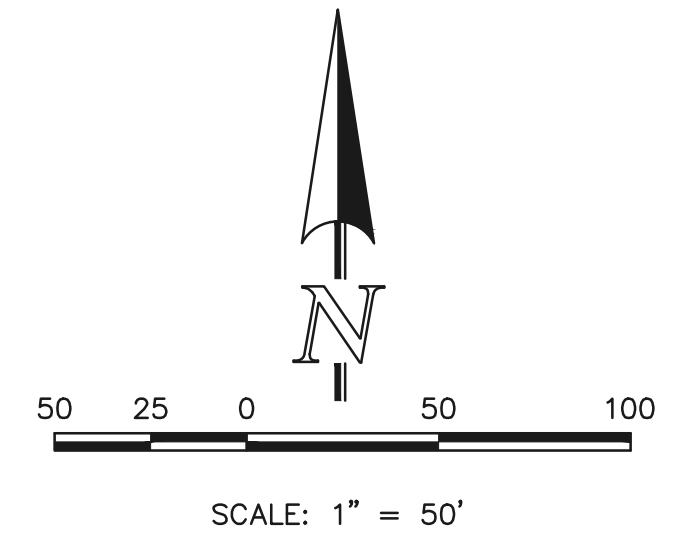
DRAWN BY MES (H) 1"= 50' SHEET 2 OF 31

CHECKED BY (V) 1"= N/A JOB NO. 1175.70

PCD FILE # SF-21-49

N:\117570\DRAWINGS\CONSTRUCTION\GRADING-EROSION\02-117570-GR-01.dwg, 3/31/2022 12:15:05 PM, 1:1

MATCHLINE (SEE SHEET 2)



AS-BUILTS  
10/23/2023  
SF-21-49



**PARTIALLY GROUDED RIPRAP:**  
PORTIONS OF THE PROPOSED RIPRAP SWALE ARE TO BE "PARTIALLY GROUDED" PER CDOT SPECIFICATIONS, WITH THE GROUT FILLING ONLY 1/3 TO 1/2 OF THE TOTAL VOID SPACE. PORTLAND CEMENT BASED GROUT PLACED BY HOSE OR TREMIE, OR BY AUTOMATED MECHANICAL MEANS.

**LEGEND**

- (7700) --- EXISTING CONTOUR
- 7700 --- PROPOSED CONTOUR
- PROPOSED LIMITS OF GRADING/ CONSTRUCTION SITE BOUNDARY
- BOUNDARY/R.O.W. LINE
- EXISTING FLOW DIRECTION
- PROPOSED FLOW
- "A" A LOT
- "B" B LOT
- "W/O" WALKOUT LOT
- "T" TRANSITION LOT
- "G" GARDEN LOT
- PROPOSED INLET
- PROPOSED STORM SEWER PIPE
- EX HP EXISTING HIGH POINT
- EX LP EXISTING LOW POINT
- (TSB) EXISTING TEMPORARY SEDIMENT BASIN
- X SF EXISTING SILT FENCE
- (SBB) EXISTING STRAW BALE CHECK DAM
- (ECB) EXISTING EROSION CONTROL BLANKET
- X SF PROPOSED SILT FENCE
- (IP) INLET PROTECTION
- (VTC) VEHICLE TRACKING CONTROL
- (ECB) PROPOSED EROSION CONTROL BLANKET

- CCM PHASING**
- (INSTALL DURING INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE)
  - (INSTALL PRIOR TO INITIAL PHASE DURING INTERIM AND VERTICAL PHASES)
  - (INSTALL DURING INITIAL PHASE (EGP) WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES)
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**NOTES:**  
OVERLOT GRADING COMPLETED WITH PRE-DEVELOPMENT GRADING PLAN & PERMIT. EROSION CONTROL BLANKETS, TEMPORARY SEDIMENT BASINS, SILT FENCE & STRAW BALE BARRIERS INSTALLED PER THAT PLAN.  
THERE WILL BE NO ASPHALT, CONCRETE BATCH PLANTS AND MASONRY MIX STATIONS ON THIS SITE.

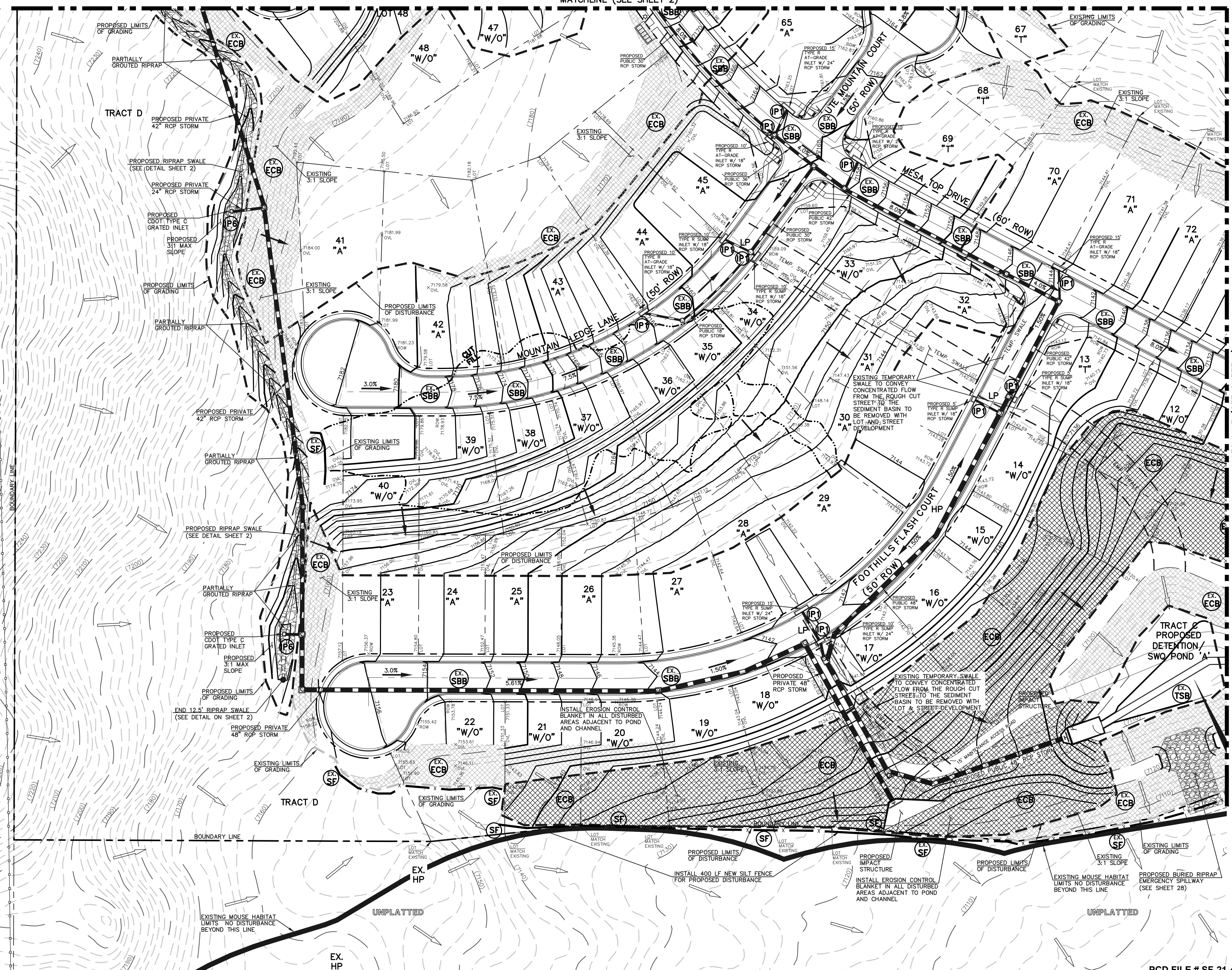
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NO.	REVISION	DATE	REVIEW:

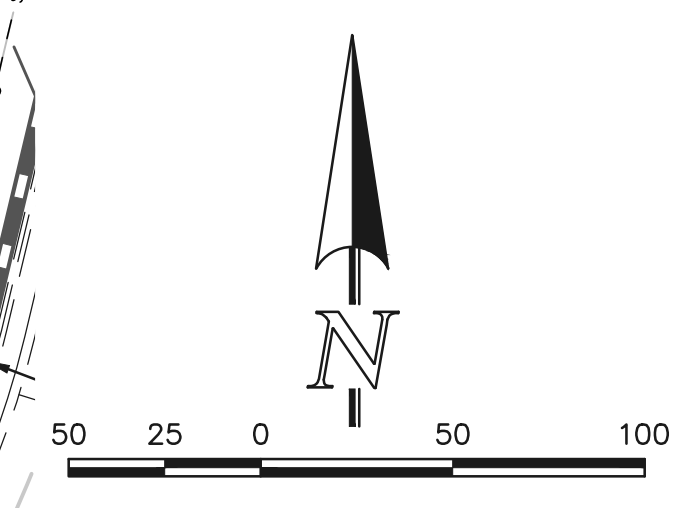
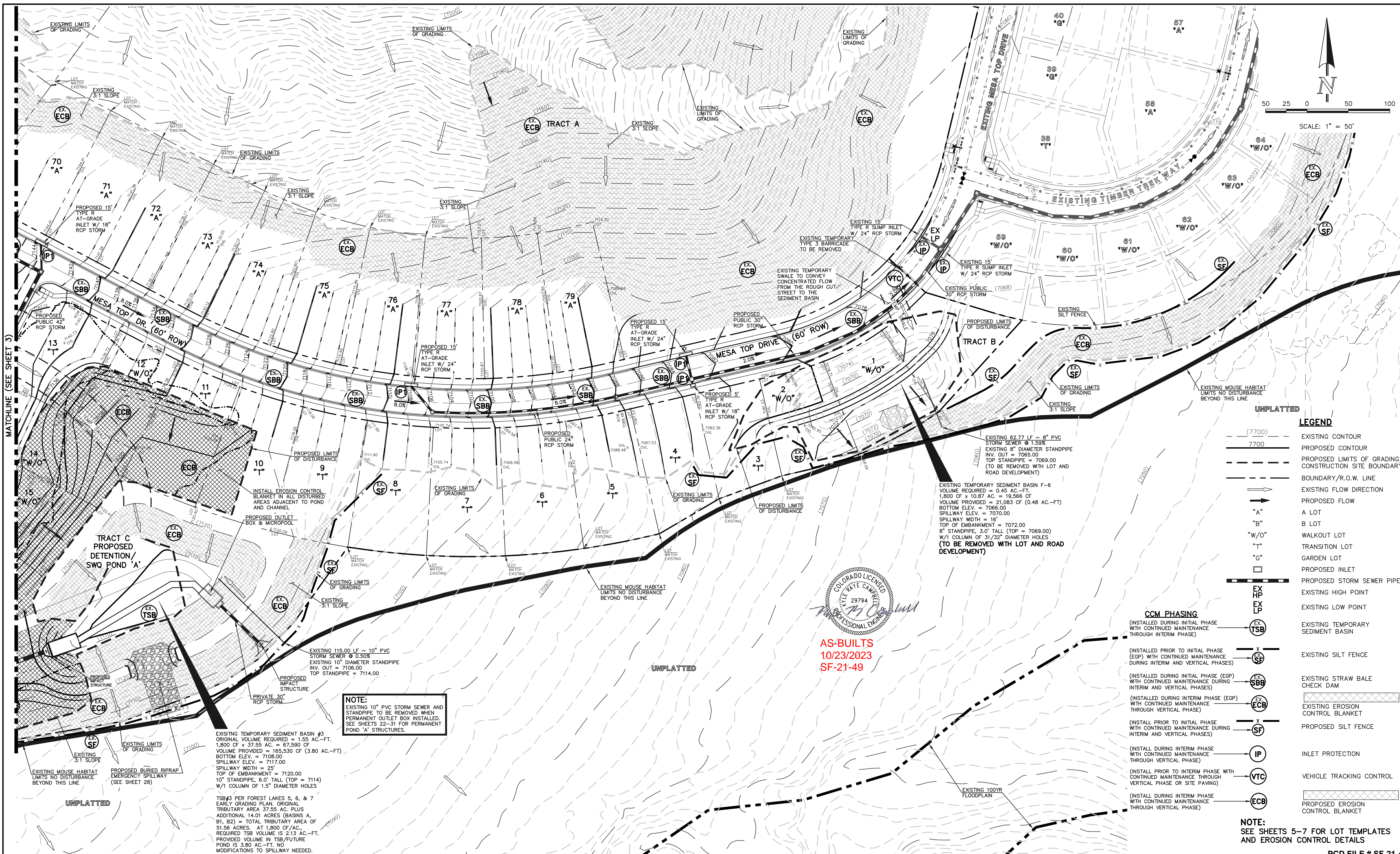
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC  
KYLE R. CAMPBELL, P.E. #29794  
03/31/22



PCD FILE # SF-21-49  
FOREST LAKES FILING NO. 7  
GRADING AND EROSION CONTROL PLAN  
EPC 5/12/2022  
DESIGNED BY: MAL SCALE: DATE: 05/21/21  
DRAWN BY: MES (H) 1" = 50' SHEET 3 OF 31  
CHECKED BY: (V) 1" = N/A JOB NO. 1175.70



MATCHLINE (SEE SHEET 4)



**UNPLATTED**

**LEGEND**

- (---) (7700) --- EXISTING CONTOUR
- (---) 7700 --- PROPOSED CONTOUR
- (---) --- PROPOSED LIMITS OF GRADING/CONSTRUCTION SITE BOUNDARY
- (---) --- BOUNDARY/R.O.W. LINE
- (---) --- EXISTING FLOW DIRECTION
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- (---) --- "G" GARDEN LOT
- (---) --- PROPOSED INLET
- (---) --- PROPOSED STORM SEWER PIPE
- (---) --- EX HP EXISTING HIGH POINT
- (---) --- EX LP EXISTING LOW POINT
- (---) --- EX TSB EXISTING TEMPORARY SEDIMENT BASIN
- (---) --- EX SF EXISTING SILT FENCE
- (---) --- EX SBB EXISTING STRAW BALE CHECK DAM
- (---) --- EX ECB EXISTING EROSION CONTROL BLANKET
- (---) --- SF PROPOSED SILT FENCE
- (---) --- IP INLET PROTECTION
- (---) --- VTC VEHICLE TRACKING CONTROL
- (---) --- ECB PROPOSED EROSION CONTROL BLANKET

**CCM PHASING**

- (---) --- (INSTALLED DURING INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE)
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- (---) --- (INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)

EXISTING 62.77 LF ~ 8" PVC STORM SEWER @ 1.59%  
 EXISTING 8" DIAMETER STANDPIPE INV. OUT = 7065.00  
 TOP STANDPIPE = 7069.00  
 (TO BE REMOVED WITH LOT AND ROAD DEVELOPMENT)

EXISTING TEMPORARY SEDIMENT BASIN F-6  
 VOLUME REQUIRED = 0.45 AC.-FT.  
 1,800 CF x 10.87 AC. = 19,566 CF  
 VOLUME PROVIDED = 21,083 CF (0.48 AC.-FT)  
 BOTTOM ELEV. = 7066.00  
 SPILLWAY ELEV. = 7070.00  
 SPILLWAY WIDTH = 16'  
 TOP OF EMBANKMENT = 7072.00  
 8" STANDPIPE, 3.0' TALL (TOP = 7069.00)  
 W/1 COLUMN OF 31/32" DIAMETER HOLES  
 (TO BE REMOVED WITH LOT AND ROAD DEVELOPMENT)

**NOTE:**  
 EXISTING 10" PVC STORM SEWER AND STANDPIPE TO BE REMOVED WHEN PERMANENT OUTLET BOX INSTALLED. SEE SHEETS 22-31 FOR PERMANENT POND 'A' STRUCTURES.

EXISTING TEMPORARY SEDIMENT BASIN #3  
 ORIGINAL VOLUME REQUIRED = 1.55 AC.-FT.  
 1,800 CF x 37.55 AC. = 67,590 CF  
 VOLUME PROVIDED = 165,530 CF (3.80 AC.-FT)  
 BOTTOM ELEV. = 7108.00  
 SPILLWAY ELEV. = 7117.00  
 SPILLWAY WIDTH = 25'  
 TOP OF EMBANKMENT = 7120.00  
 10" STANDPIPE, 6.0' TALL (TOP = 7114)  
 W/1 COLUMN OF 1.5" DIAMETER HOLES

TSB#3 PER FOREST LAKES 5, 6, & 7  
 EARLY GRADING PLAN, ORIGINAL TRIBUTARY AREA 37.55 AC. PLUS ADDITIONAL 14.01 ACRES (BASINS A, B1, B2) = TOTAL TRIBUTARY AREA OF 51.56 ACRES. AT 1,800 CF/AC. REQUIRED TSB VOLUME IS 213 AC.-FT. PROVIDED VOLUME IN TSB/FUTURE POND IS 3.80 AC.-FT. NO MODIFICATIONS TO SPILLWAY NEEDED.



**AS-BUILTS**  
 10/23/2023  
 SF-21-49

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NO.	REVISION	DATE	REVIEW:

REVIEW:  
 PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL  
 PROFESSIONAL ENGINEER  
 P.E. #29794

03/31/22  
 DATE



FOREST LAKES FILING NO. 7

GRADING AND EROSION CONTROL PLAN  
 EPC 5/12/2022

DESIGNED BY	MAL	SCALE	DATE	05/21/21
DRAWN BY	MES	(H) 1" = 50'	SHEET	4 OF 31
CHECKED BY	(V) 1" = N/A	JOB NO.	1175.70	

N:\117570\DRAWINGS\CONSTRUCTION\GRADING-EROSION\04-117570-GR-03.dwg, 3/31/2022, 12:17:51 PM, 1:1

EL PASO COUNTY GRADING AND EROSION CONTROL NOTES:

- 1. STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS...
2. 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...
3. A SEPARATE STORMWATER MANAGEMENT PLAN (SWMP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION...
4. ONCE THE ESQCP IS APPROVED AND A 'NOTICE TO PROCEED' HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED GEC...
5. CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER...
6. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL AND FINAL STABILIZATION IS ESTABLISHED...
7. TEMPORARY STABILIZATION SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS...
8. FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES...
9. ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS...
10. EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESILIENCY SEDIMENTATION...
11. COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES...
12. ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA...
13. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP...
14. DURING DEWATERING OPERATIONS OF UNCONTAMINATED GROUND WATER MAY BE DISCHARGED ON SITE...
15. EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1...
16. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL...
17. WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY...
18. TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED...
19. THE OWNER/DEVELOPER 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...
20. 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...
21. NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ON SITE...
22. BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION...
23. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES...
24. OWNER/DEVELOPER AND THEIR AGENTS SHALL COMPLY WITH THE 'COLORADO WATER QUALITY CONTROL ACT'...
25. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS...
26. PRIOR TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES...
27. A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS...
28. THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY ENTECH ENGINEERING, INC. DATED AUGUST 12, 2020 AND SHALL BE CONSIDERED A PART OF THESE PLANS...
29. AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION...
COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT WATER QUALITY CONTROL DIVISION
WOOD - PERMITS
4300 CHERRY CREEK DRIVE SOUTH DENVER, CO 80246-1530
ATTN: PERMITS UNIT

CONSTRUCTION CONTROL MEASURES NOTES:

- 1. CONTRACTOR TO DETERMINE AREAS USED FOR STAGING, STORAGE OF MATERIALS, SOILS (STOCKPILES) OR WASTES AND SHALL MARK ON THE SITE SWMP AT ALL TIMES...
2. THE EROSION CONTROL MEASURES SHOWN ON THE APPROVED 'FOREST LAKES FILING NO. 5, 6, & 7 PRE-DEVELOPMENT GRADING AND EROSION CONTROL PLAN' SHOW AND CALL-OUT THE 'INITIAL' STAGE OF TEMPORARY CONSTRUCTION CONTROL MEASURES...
3. THE PROPOSED GRADING/EROSION CONTROL PLAN (SHEETS 2-4) SHOW AND CALL-OUT THE 'INTERIM' STAGE OF CONSTRUCTION CONTROL MEASURES...
4. 'FINAL' CONSTRUCTION CONTROL MEASURES ARE STABILIZED/DEVELOPED LOTS, CONSTRUCTED ROADS, RE-SEEDED OPEN SPACE, AND CONSTRUCTED DETENTION PONDS...
PCD FILE # SF-21-49

EROSION CONTROL CRITERIA:

- 1) THE OMISSION FROM OR THE INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NON-EXISTENCE OF OR A DEFINITE LOCATION OF EXISTING UNDERGROUND UTILITIES...
2) DURING GRADING OPERATIONS, LOCATE AND SET THE STRAW BALE CHECK DAMS AND SILT FENCES AS SHOWN ON THE EROSION CONTROL PLAN...
3) SEEDING APPLICATION: DRILLED TO A DEPTH OF .25" TO .50" INTO SOIL WHERE POSSIBLE...
4) MULCHING REQUIREMENT AND APPLICATION: 1.5 TONS PER ACRE NATIVE HAY MECHANICALLY CRIMPED INTO SOIL...
5) THE STRAW BALE CHECK DAMS AND SILT FENCES SHALL BE KEPT IN PLACE AND MAINTAINED UNTIL EROSION AND SEDIMENTATION POTENTIAL IS MITIGATED...
6) 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...
7) ALL FACILITIES, VEGETATION AND OTHER ITEMS REQUIRED BY THE APPROVED FINAL GRADING, EROSION CONTROL AND PLANNING PLAN SHALL BE PROPERLY MAINTAINED BY THE OWNERS OF THE PROPERTY...
8) ALL SILT FENCES ARE TO BE REGULARLY INSPECTED AND REPAIRED AS NEEDED...
9) THE CONTRACTOR SHALL PROVIDE VEHICLE TRACKING CONTROL FACILITIES FOR EACH ENTRANCE/EXIT TO THE SITE...
10) EROSION CONTROL MEASURES SHALL BE CHECKED AFTER EACH STORM EVENT AND REPAIRED WHEN NECESSARY...
11) CONTRACTOR SHALL MAINTAIN ALL TEMPORARY EROSION CONTROL FACILITIES IN GOOD WORKING ORDER...
12) ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION...
13) THE EROSION CONTROL MEASURES OUTLINED ON THE PLAN ARE THE RESPONSIBILITY OF THE DEVELOPER TO MONITOR AND REPLACE, REGRADE AND REBUILD AS NECESSARY...
14) MAXIMUM ACREAGE OPEN AT ANY GIVEN TIME IS TO BE 30 ACRES.

SEEDING GUIDELINES:

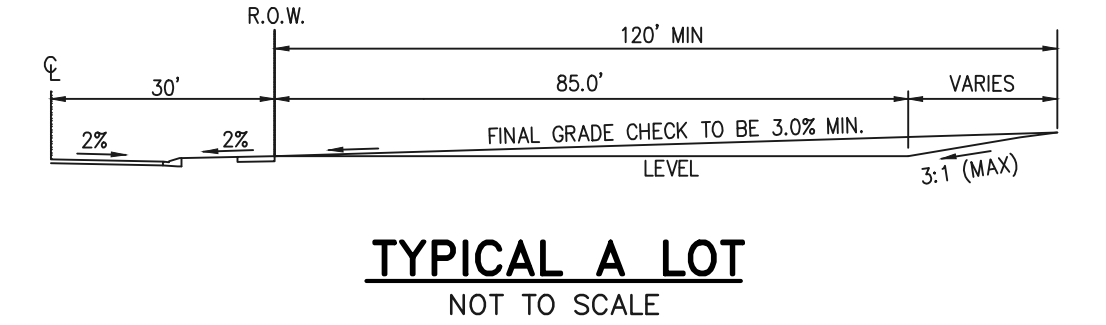
- 1. SEEDBED PREPARATION
THE SEEDBED SHOULD BE WELL-SETTLED AND FIRM, BUT FRAGILE ENOUGH THAT THE SEED CAN BE PLACED AT THE SPECIFIED DEPTHS...
2. FERTILIZER
FERTILIZER SHOULD BE APPLIED AT A RATE OF 50 POUNDS OF AVAILABLE-NITROGEN PER ACRE AND 40 POUNDS OF AVAILABLE PHOSPHATE PER ACRE...
3. SEEDING
SEED SHOULD BE PLANTED WITH A GRASS DRILL ON ALL SLOPES OF 3:1 (3:1) OR FLATTER...
4. MULCHING
SEEDED AREAS SHOULD BE MULCHED TO CONSERVE MOISTURE; PREVENT SURFACE COMPACTION OR CRUSTING; REDUCE RUNOFF AND EROSION...
5. SUPPLEMENTAL WATER
IN LOW RAINFALL AREAS, WHERE WATER IS AVAILABLE AND WHERE RAPID ESTABLISHMENT IS NEEDED, IRRIGATION OF NEW SEEDING SHOULD BE PERFORMED DURING THE FIRST GROWING SEASON...
COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT WATER QUALITY CONTROL DIVISION
WOOD - PERMITS
4300 CHERRY CREEK DRIVE SOUTH DENVER, CO 80246-1530
ATTN: PERMITS UNIT

NOTES:

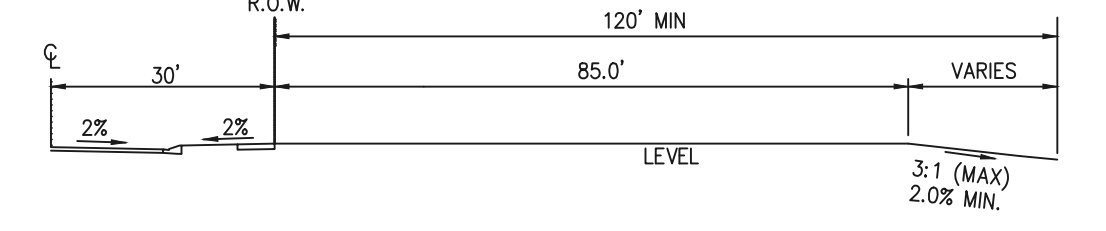
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COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT WATER QUALITY CONTROL DIVISION
WOOD - PERMITS
4300 CHERRY CREEK DRIVE SOUTH DENVER, CO 80246-1530
ATTN: PERMITS UNIT
A PORTION OF THE OVERALL FOREST LAKES DEVELOPMENT IS LOCATED WITHIN A FLOODPLAIN AS DETERMINED BY THE FLOOD INSURANCE RATE MAPS (F.I.R.M.)...
EXISTING VEGETATION CONSISTS OF NATIVE GRASSES.
EMERGENCY OVERFLOW SWALES FOR INLETS IN THE INTERIM UNTIL CURB AND ASPHALT IS INSTALLED WILL BE THE LOTS, FINAL WILL BE TO OVERTOP THE HIGH POINT IN ROADWAY TO THE NEXT AVAILABLE INLET OR TO PROPOSED POND.
STOCKPILE LOCATIONS FOR HOMEBUILDING TO BE ON EACH INDIVIDUAL LOT THAT IS BEING BUILT UPON.
LIMITS OF DISTURBANCE FOR THIS PLAN INCLUDE UTILITY INSTALLATION AND ROADWAY CONSTRUCTION WITHIN THE R.O.W. AND OVERLOT GRADING FOR DEVELOPMENT THEN INDIVIDUAL LOTS FOR HOMEBUILDING ONCE CONSTRUCTION OF THE HOME BEGINS.
GRADING WITHIN THIS PHASE WILL BE FULLY DEVELOPED WITH HOME BUILDING OPERATIONS.
LOCATION OF THE CONCRETE WASHOUT, STORAGE FOR MAINTENANCE EQUIPMENT AND TEMPORARY DISPOSAL AREAS WILL BE ADDED TO THIS PLAN BY SWMP ADMINISTRATOR UPON COORDINATION WITH SELECTED CONTRACTOR.
ALL AREAS ARE TO BE RESEDED OUTSIDE OF THE FILING NO. 5 AREA. RESEED ALL AREAS AS NEEDED TO PREVENT EROSION AND SEDIMENT RUNOFF ONTO CONSTRUCTION ACTIVITIES.

SCHEDULE OF ANTICIPATED CONSTRUCTION ACTIVITY:

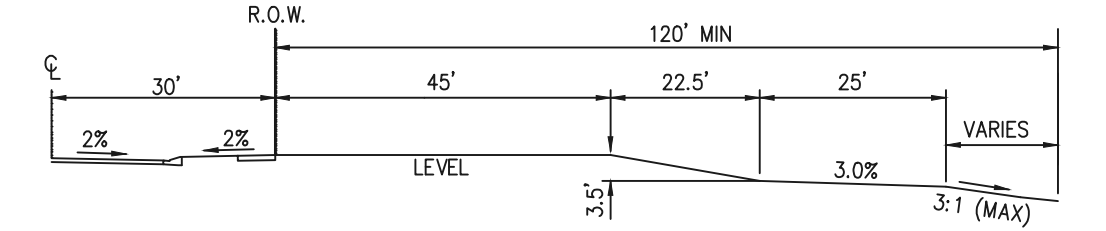
Table with columns: BEGIN CONSTRUCTION UPON APPROVAL, ACTIVITY, COMPLETION MONTHS, EROSION CONTROL ALL SHOWN ON GRADING PLAN. Includes items like: 1. INSTALL INITIAL BMP'S, 2. INSPECTION OF INTIAL BMP'S BY COUNTY STAFF, 3. PRECONSTRUCTION MEETING WITH COUNTY STAFF.



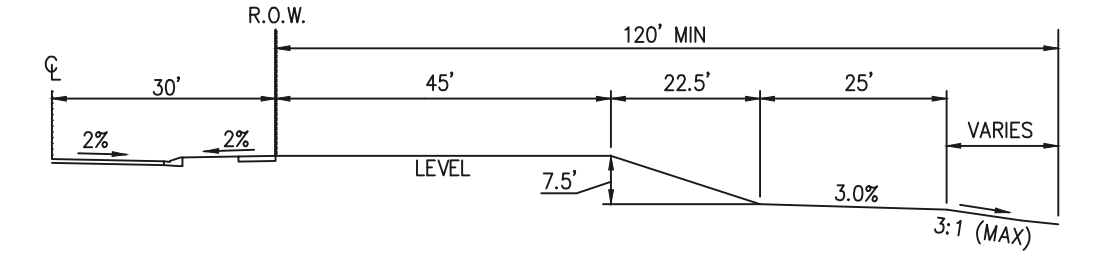
TYPICAL A LOT NOT TO SCALE



TYPICAL B LOT NOT TO SCALE



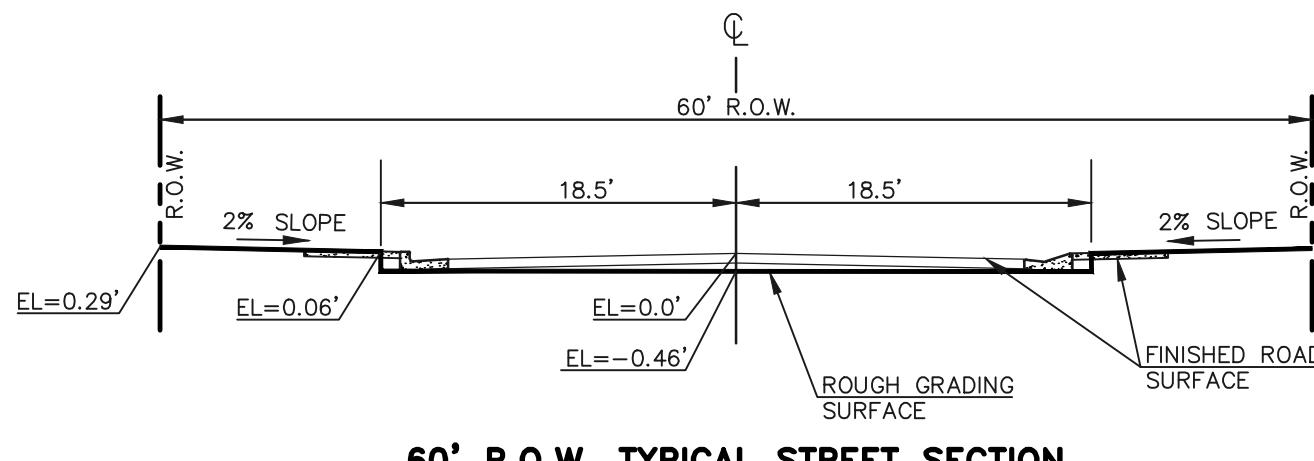
TYPICAL GARDEN (G) LOT NOT TO SCALE



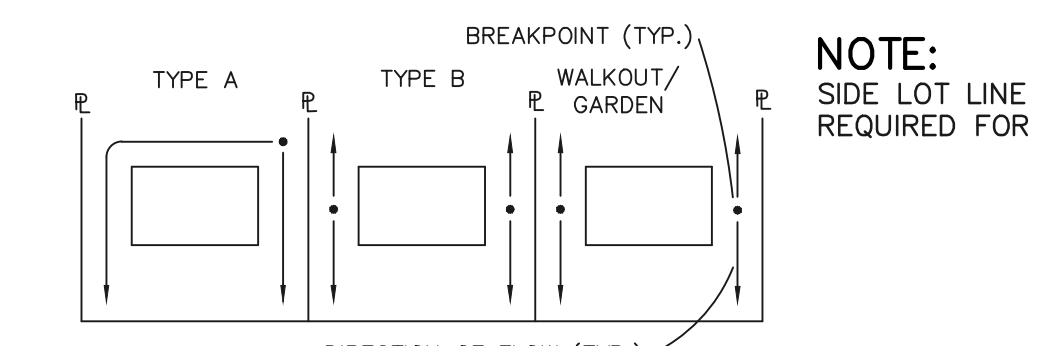
TYPICAL WALKOUT (W/O) LOT NOT TO SCALE

NOTE:

'T' LOTS OR 'TRANSITION' LOTS OCCUR IN PLACES WHERE BOTH PROPERTY LINES CANNOT BE GRADED AS THE TYPICAL STANDARD LOT TEMPLATES SHOWN. THESE LOTS WILL STILL BE GRADED TO CREATE POSITIVE DRAINAGE AWAY FROM THE STRUCTURE.

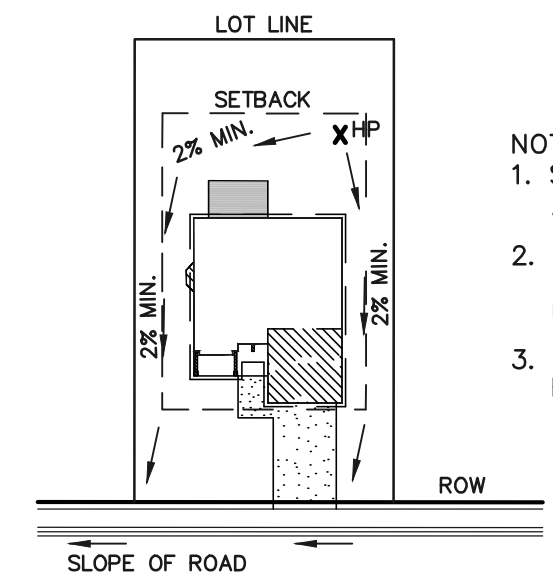


60' R.O.W. TYPICAL STREET SECTION HOLD-DOWN OVERLOT GRADING IN ROADWAYS SCALE 1" = 10'

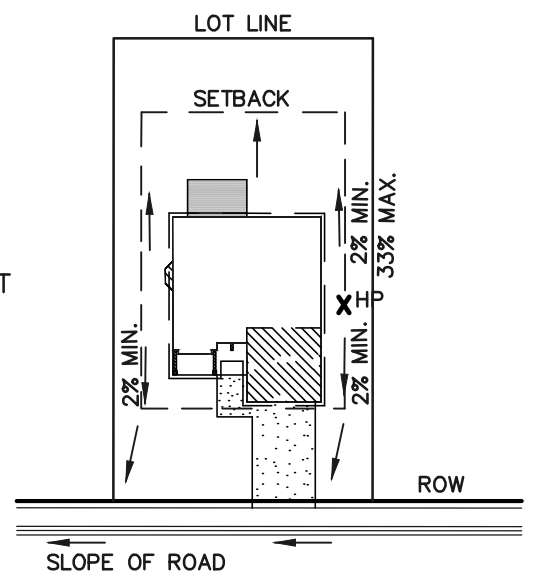


LOT DRAINAGE TYPES

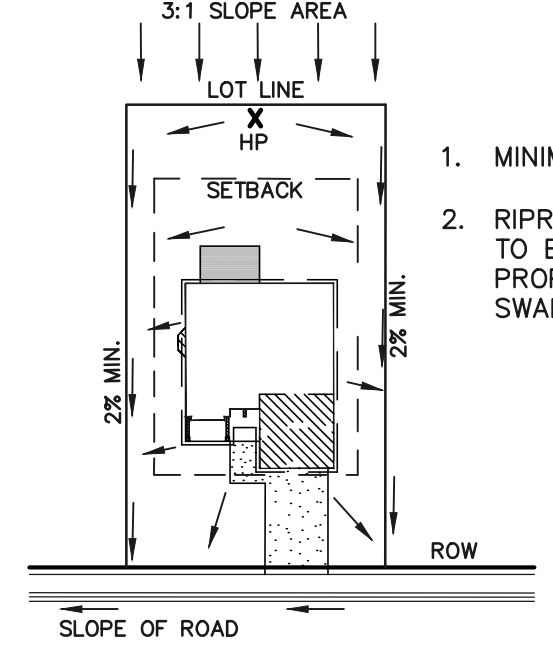
NOTE: SIDE LOT LINE SWALES ARE REQUIRED FOR ALL LOTS.



TYPICAL 'A' LOT DRAINAGE PATTERN N.T.S.



TYPICAL 'B', 'G,' 'W/O' LOT DRAINAGE PATTERN N.T.S.



'A' LOTS W/SLOPE BEHIND DRAINAGE PATTERN N.T.S.

- 1. MINIMUM LOT WIDTH ALONG SLOPE IS 70'.
2. RIPRAP OR CONCRETE 'V' NOTCH SWALES TO BE INSTALLED ALONG SHARED PROPERTY & WITHIN SIDE LOT EASEMENTS. SWALES TO DISCHARGE ONTO ROADWAY.

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Table for 48 hours before you dig, call utility locators. Includes revision table with columns for NO., REVISION, and DATE.

Review form for Classic Consulting, Inc. Prepared under my direct supervision for and on behalf of. Signature of Kyle R. Campbell, P.E. #29794, dated 03/31/22.

Classic Consulting logo and address: 619 N. Cascade Avenue, Suite 200, Colorado Springs, Colorado 80903. Phone: (719)785-0790. Fax: (719)785-0799(Fax).

Project information table: FOREST LAKES FILING NO. 7 CONSTRUCTION PLANS GRADING AND EROSION CONTROL PLAN NOTES & DETAIL SHEET EPC 5/12/2022. Includes designer, drawer, checker, scale, date, and sheet information.

N:\117570\DRAWINGS\CONSTRUCTION\GRADING-EROSION\05-117570-GR-04.dwg, 3/31/2022, 12:18:40 PM, 1:1

6/23/20  
DATE APPROVED  
Jennifer E. Irvine  
DEPARTMENT OF PUBLIC WORKS

6/23/20  
REVISION DATE  
6/23/20  
FILE NAME  
SD\_2-24  
DEPARTMENT OF PUBLIC WORKS

Driveway Detail With Attached Sidewalk Standard Drawing  
SD\_2-24

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6/23/20  
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6/23/20  
FILE NAME  
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Driveway Detail With Detached Sidewalk Standard Drawing  
SD\_2-25

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6/23/20  
FILE NAME  
SD\_2-41  
DEPARTMENT OF PUBLIC WORKS

Pedestrian Ramp Detail Standard Drawing  
SD\_2-41

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6/23/20  
REVISION DATE  
6/23/20  
FILE NAME  
SD\_2-42  
DEPARTMENT OF PUBLIC WORKS

Detectable Warning Surface Details Standard Drawing  
SD\_2-42

6/23/20  
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6/23/20  
REVISION DATE  
6/23/20  
FILE NAME  
SD\_2-50  
DEPARTMENT OF PUBLIC WORKS

Parallel Pedestrian Curb Ramp Detail Standard Drawing  
SD\_2-50

Rolled Erosion Control Products (RECP) EC-6

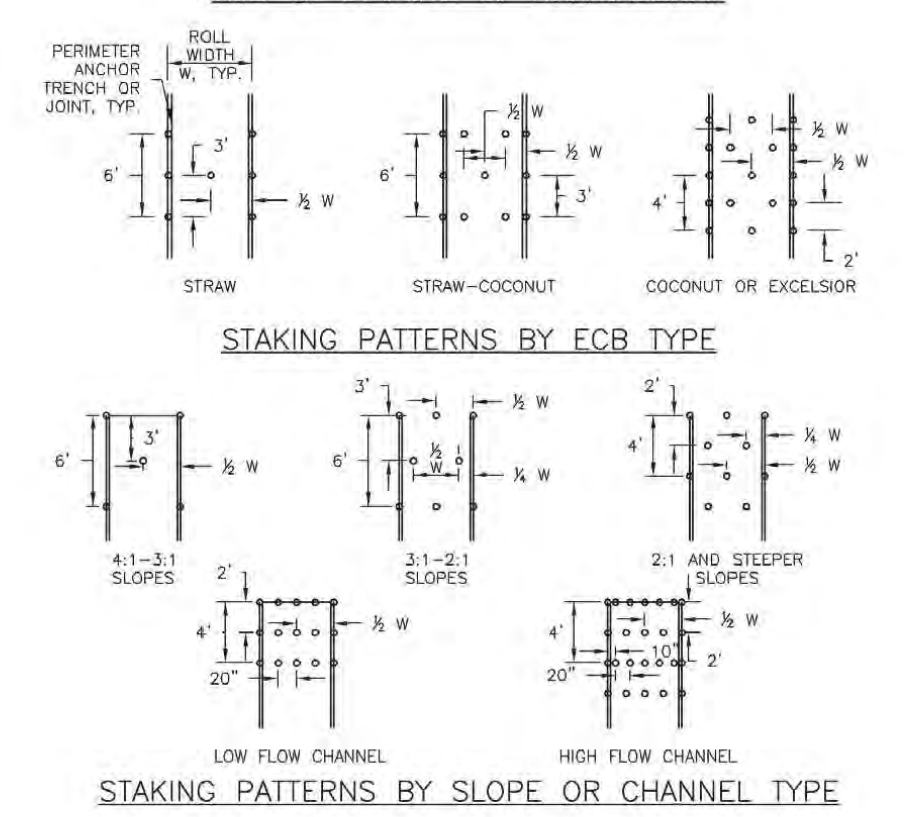
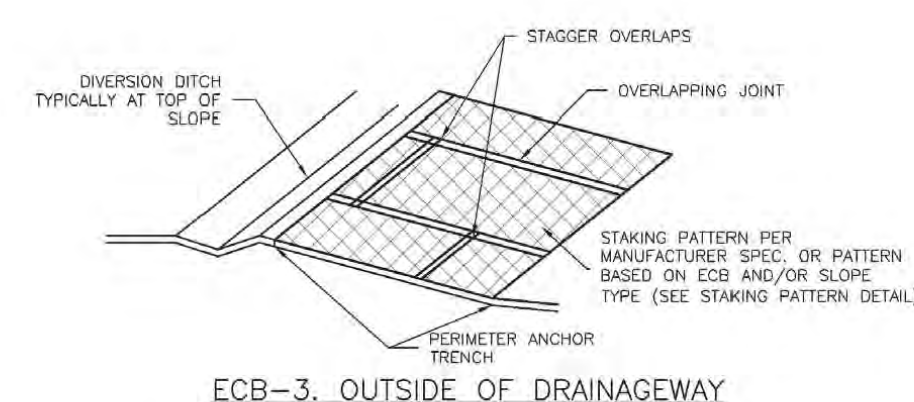
Table RECP-1. ECTC Standard Specification for Temporary Rolled Erosion Control Products (Adapted from Erosion Control Technology Council 2005)

Product Description	Slope Applications*		Channel Applications*	Minimum Tensile Strength†	Expected Longevity
	Maximum Gradient	C Factor‡			
Mulch Control Mats	5:1 (H:V)	<0.10 @ 5:1	0.25 lbs/ft <sup>2</sup> (12 Pa)	5 lbs/ft (0.075 kN/m)	Up to 12 months
Netless Rolled Erosion Control Blankets	4:1 (H:V)	<0.10 @ 4:1	0.5 lbs/ft <sup>2</sup> (24 Pa)	5 lbs/ft (0.075 kN/m)	
Single-net Erosion Control Blankets & Open Weave Textiles	3:1 (H:V)	<0.15 @ 3:1	1.5 lbs/ft <sup>2</sup> (72 Pa)	50 lbs/ft (0.75 kN/m)	
Double-net Erosion Control Blankets	2:1 (H:V)	<0.20 @ 2:1	1.75 lbs/ft <sup>2</sup> (84 Pa)	75 lbs/ft (1.09 kN/m)	24 months
Mulch Control Mats	5:1 (H:V)	<0.10 @ 5:1	0.25 lbs/ft <sup>2</sup> (12 Pa)	25 lbs/ft (0.36 kN/m)	
Erosion Control Blankets & Open Weave Textiles (slowly degrading)	1.5:1 (H:V)	<0.25 @ 1.5:1	2.00 lbs/ft <sup>2</sup> (96 Pa)	100 lbs/ft (1.45 kN/m)	24 months
Erosion Control Blankets & Open Weave Textiles	1:1 (H:V)	<0.25 @ 1:1	2.25 lbs/ft <sup>2</sup> (108 Pa)	125 lbs/ft (1.82 kN/m)	36 months

\* C Factor and shear stress for mulch control matting must be obtained with netting used in conjunction with pre-applied mulch material. (See Section 5.3 of Chapter 7 Construction BMPs for more information on the C Factor.)  
† Minimum Average Roll Values, Machine direction using ECTC Mod. ASTM D 5035.  
‡ C Factor calculated as ratio of soil loss from RECP protected slope (tested at specified or greater gradient, H:V) to ratio of soil loss from unprotected (control) plot in large-scale testing.  
§ Required minimum shear stress RECP (vegetated) can sustain without physical damage or excess erosion (> 12.7 mm (0.5 in) soil loss) during a 30-minute flow event in large-scale testing.  
¶ The permissible shear stress levels established for each performance category are based on historical experience with products characterized by Manning's roughness coefficients in the range of 0.01 - 0.05.  
\*\* Acceptable large-scale test methods may include ASTM D 6459, or other independent testing deemed acceptable by the engineer.  
\*\*\* Per the engineer's discretion, recommended acceptable large-scale testing protocol may include ASTM D 6460, or other independent testing deemed acceptable by the engineer.

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

Rolled Erosion Control Products (RECP) EC-6



November 2010 Urban Drainage and Flood Control District  
Urban Storm Drainage Criteria Manual Volume 3 RECP-7

Rolled Erosion Control Products (RECP) EC-6

Erosion Control Blanket Installation Notes

- SEE PLAN VIEW FOR:  
- LOCATION OF ECB.  
- TYPE OF ECB (STRAW, STRAW-COCOONIT, COCOONIT, OR EXCELSIOR).  
- AREA, A, IN SQUARE YARDS OF EACH TYPE OF ECB.
- 100% NATURAL AND BIODEGRADABLE MATERIALS ARE PREFERRED FOR RECPs, ALTHOUGH SOME JURISDICTIONS MAY ALLOW OTHER MATERIALS IN SOME APPLICATIONS.
- IN AREAS WHERE ECBs 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 MOIST PRIOR TO ECB INSTALLATION AND THE ECB SHALL BE IN FULL CONTACT WITH SUBGRADE. NO GAPS OR VOIDS SHALL EXIST UNDER THE BLANKET.
- PERMITTED ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERIMETER OF ALL BLANKET AREAS.
- JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL ECBs EXCEPT STRAW WHICH MAY USE AN OVERLAPPING JOINT.
- INTERMEDIATE ANCHOR TRENCH SHALL BE USED AT SPACING OF ONE-HALF ROLL LENGTH FOR COCOONIT AND EXCELSIOR ECBs.
- OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER FOR ECBs ON SLOPES.
- MATERIAL SPECIFICATIONS OF ECBs SHALL CONFORM TO TABLE ECB-1.
- ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING ECBs SHALL BE RESEEDED AND MULCHED.
- DETAILS ON DESIGN PLANS FOR MAJOR DRAINAGEWAY STABILIZATION WILL GOVERN IF DIFFERENT FROM THOSE SHOWN HERE.

TABLE ECB-1. ECB MATERIAL SPECIFICATIONS

TYPE	COCOONIT CONTENT	STRAW CONTENT	EXCELSIOR CONTENT	RECOMMENDED NETTING**
STRAW*	—	100%	—	DOUBLE/NATURAL
STRAW-COCOONIT	30% MIN	70% MAX	—	DOUBLE/NATURAL
COCOONIT	100%	—	—	DOUBLE/NATURAL
EXCELSIOR	—	—	100%	DOUBLE/NATURAL

\* STRAW DOES NOT ONLY MEET CRITERIA OF STRENGTH AND DURABILITY. \*\* MULTIPLE NETTING MAY BE REQUIRED IN SOME JURISDICTIONS.

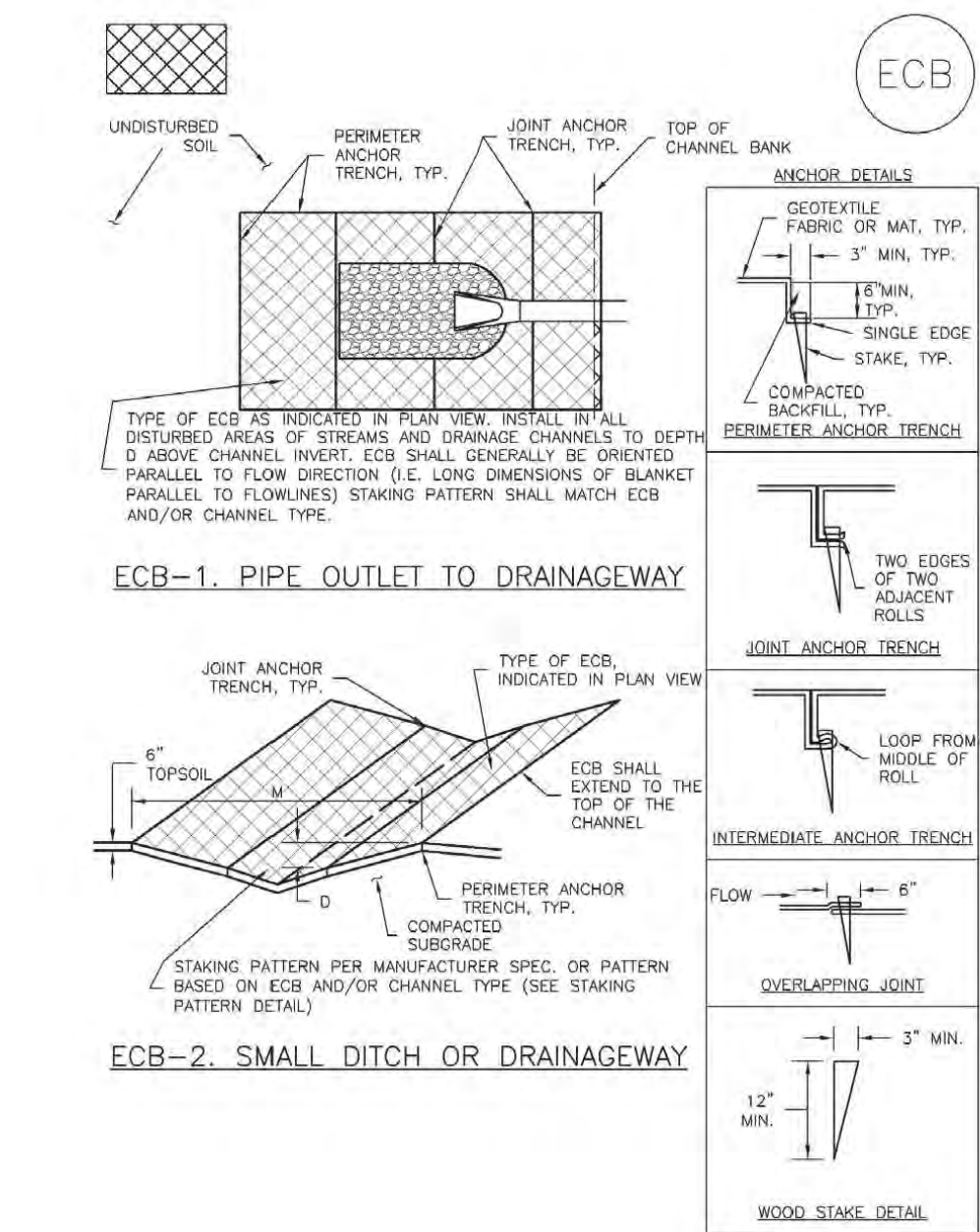
Rolled Erosion Control Products (RECP) EC-6

Erosion Control Blanket Maintenance Notes

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
  - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
  - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
  - ECBs SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE, UNLESS REQUESTED TO BE REMOVED BY THE LOCAL JURISDICTION.
  - ANY ECB PULLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REPLANTED. ANY SUBGRADE BELOW THE GEOTEXTILE THAT HAS BROCKED TO CREATED A VOID UNDER THE BLANKET, OR THAT REMAINS DEVOID OF GRASS SHALL BE REPAIRED, RESEEDED AND MULCHED AND THE ECB REINSTALLED.
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM LISTED STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO AND TOWN OF PARKER COLORADO, NOT AVAILABLE IN AUTOCAD)

Rolled Erosion Control Products (RECP) EC-6



RECP-6 Urban Drainage and Flood Control District  
Urban Storm Drainage Criteria Manual Volume 3 November 2010

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THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NO.	REVISION	DATE	REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

6/23/20  
DATE APPROVED  
Jennifer E. Irvine  
DEPARTMENT OF PUBLIC WORKS

6/23/20  
REVISION DATE  
6/23/20  
FILE NAME  
SD\_2-41  
DEPARTMENT OF PUBLIC WORKS

P.E. #29794



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10/23/2023  
SF-21-49

PCD FILE # SF-21-49

FOREST LAKES FILING NO. 7

CONSTRUCTION PLANS

GRADING AND EROSION CONTROL PLAN

DETAIL SHEET EPC 5/12/2022

DESIGNED BY MAL SCALE DATE 05/21/21

DRAWN BY MES (H) 1"= N/A SHEET 6 OF 31

CHECKED BY (V) 1"= N/A JOB NO. 1175.70



619 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903

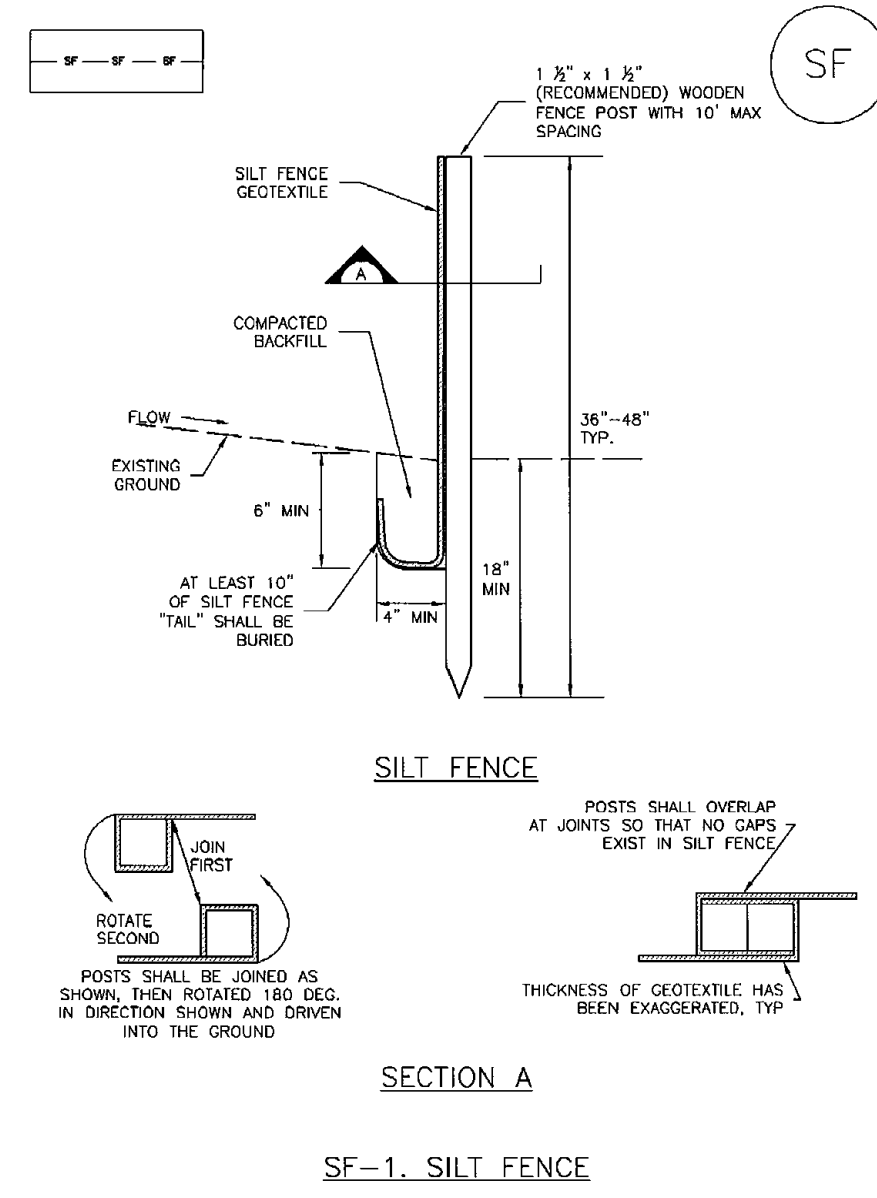
(719)785-0790  
(719)785-0799(Fax)

03/31/22  
DATE



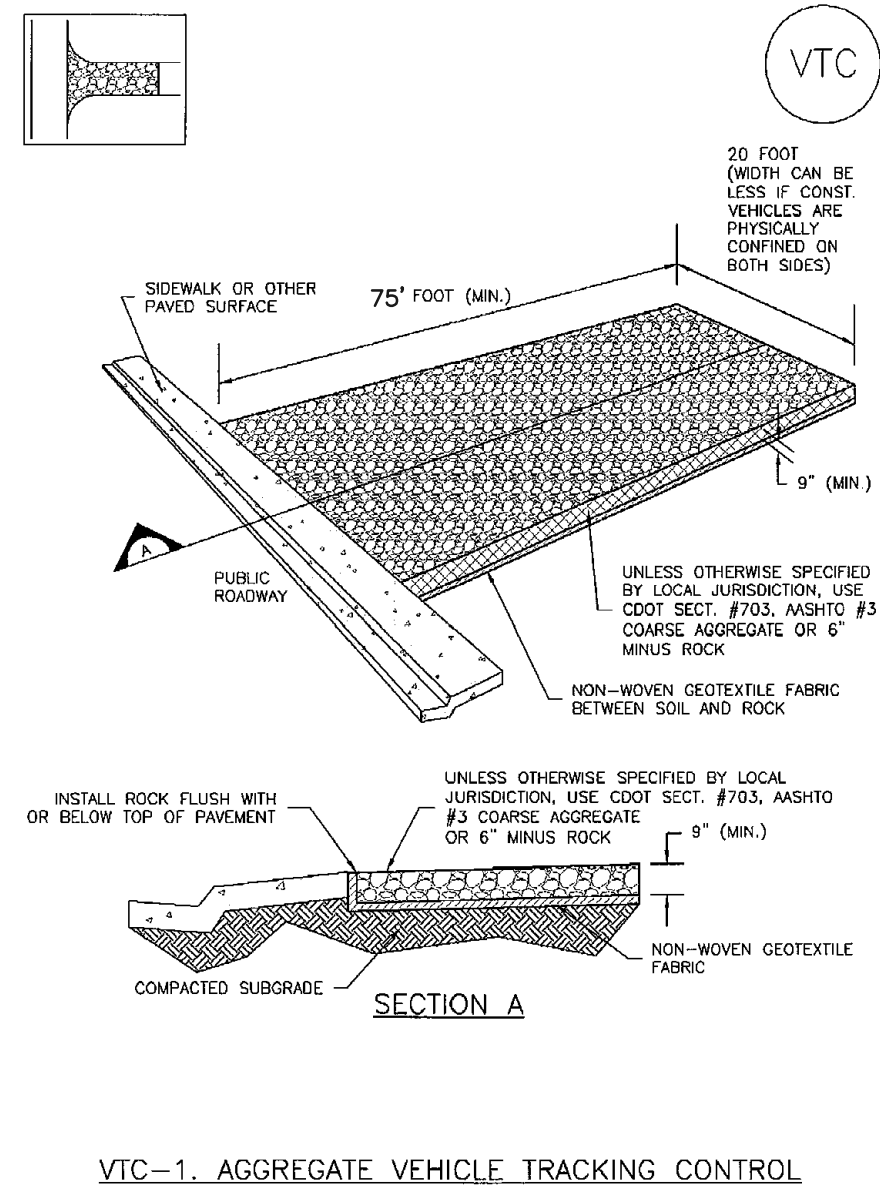
P.E. #29794

**Silt Fence (SF) SC-1**



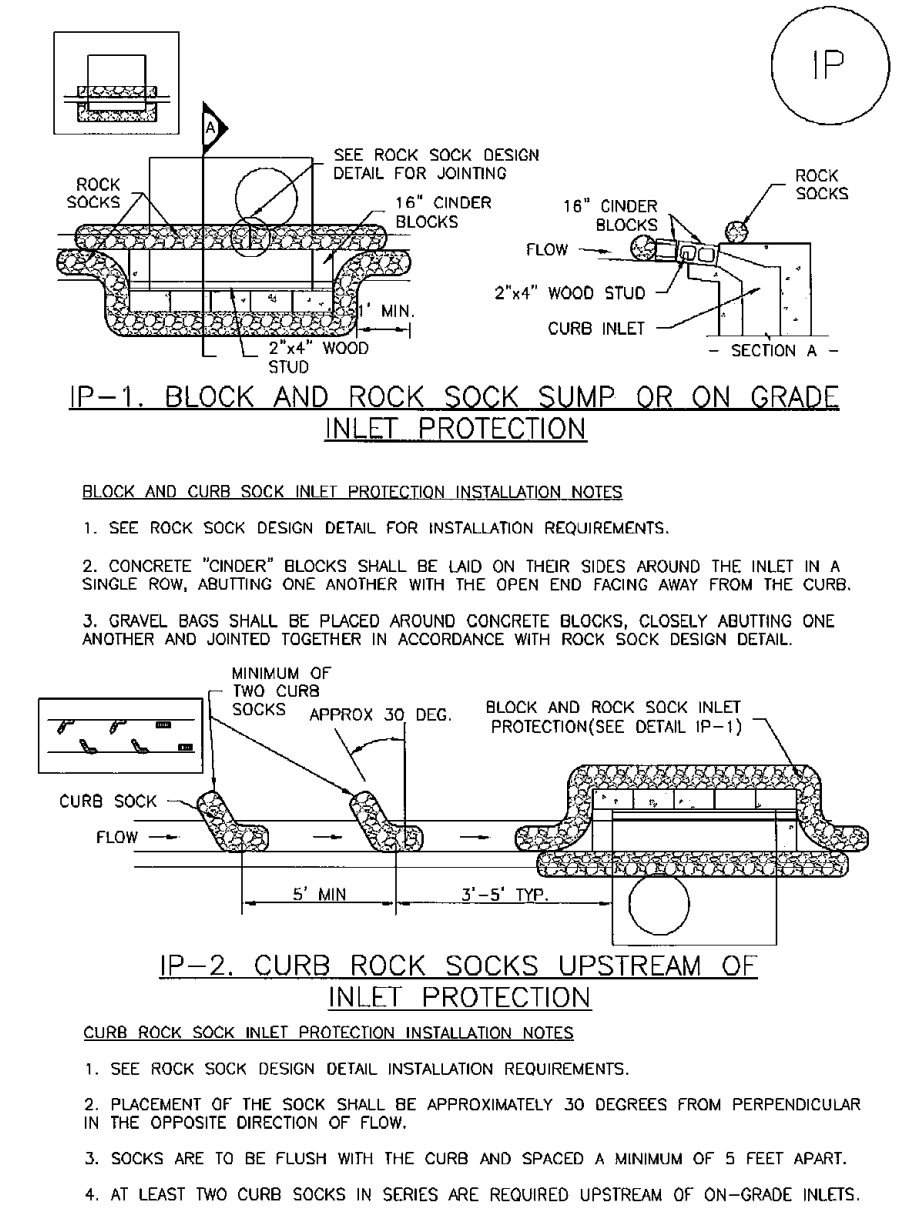
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SF-3

**Vehicle Tracking Control (VTC) SM-4**



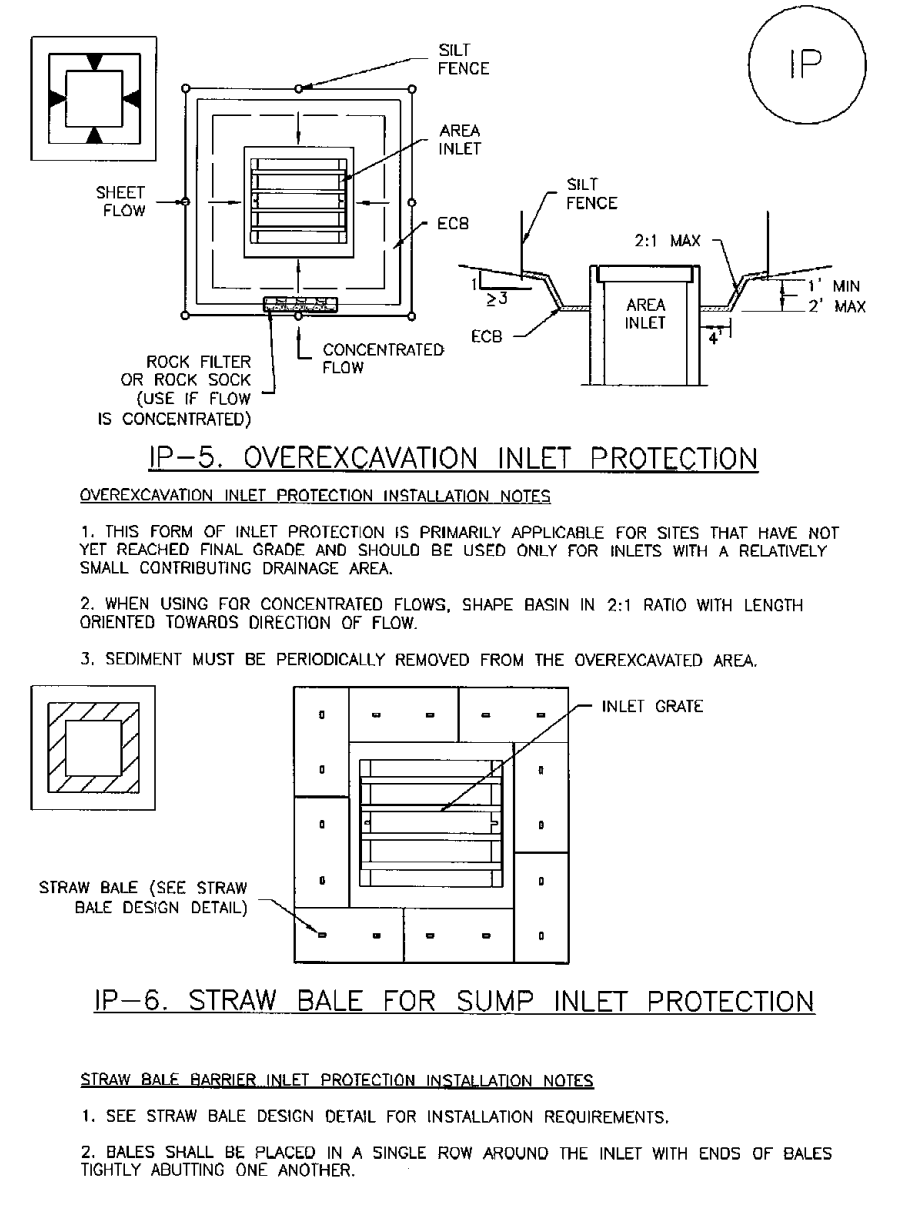
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-3

**SC-6 Inlet Protection (IP)**



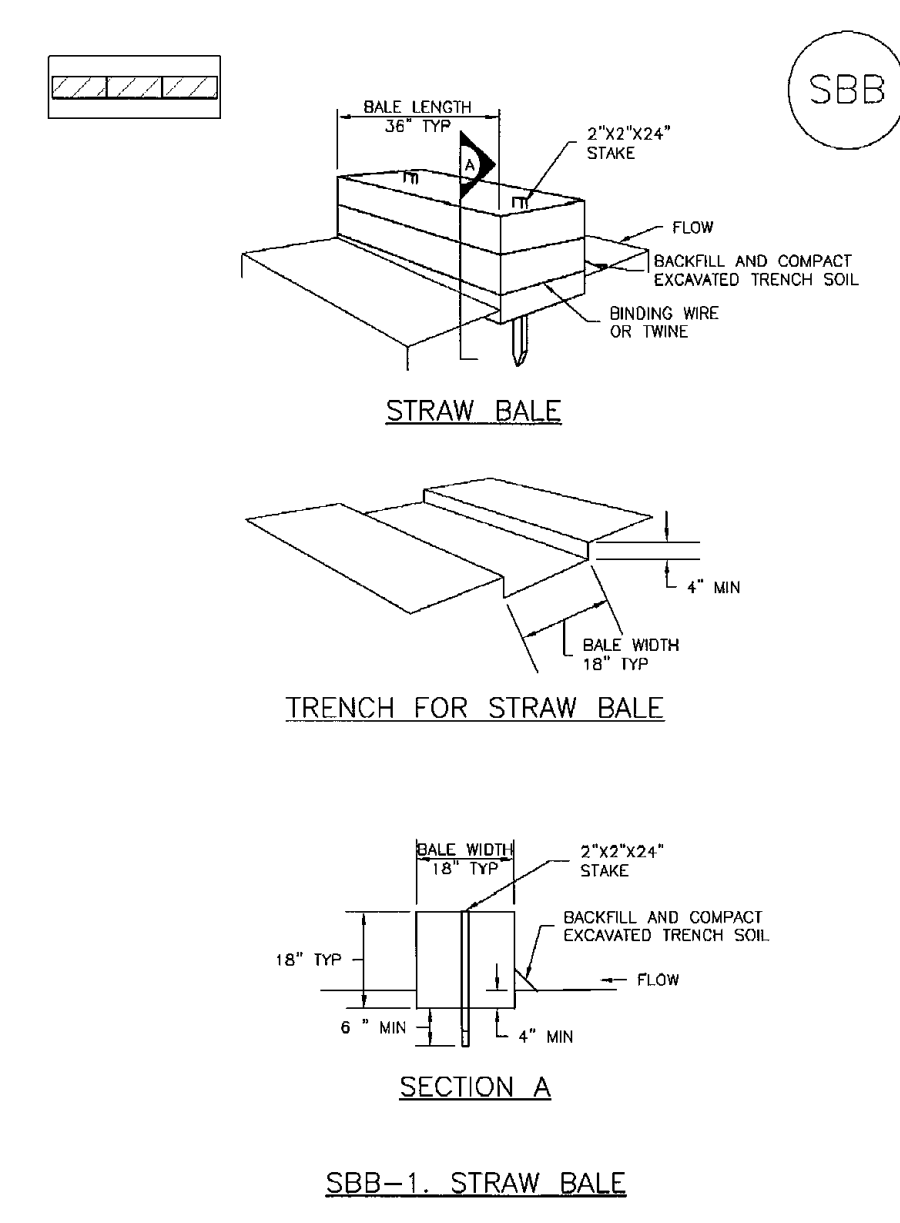
IP-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 August 2013

**SC-6 Inlet Protection (IP)**



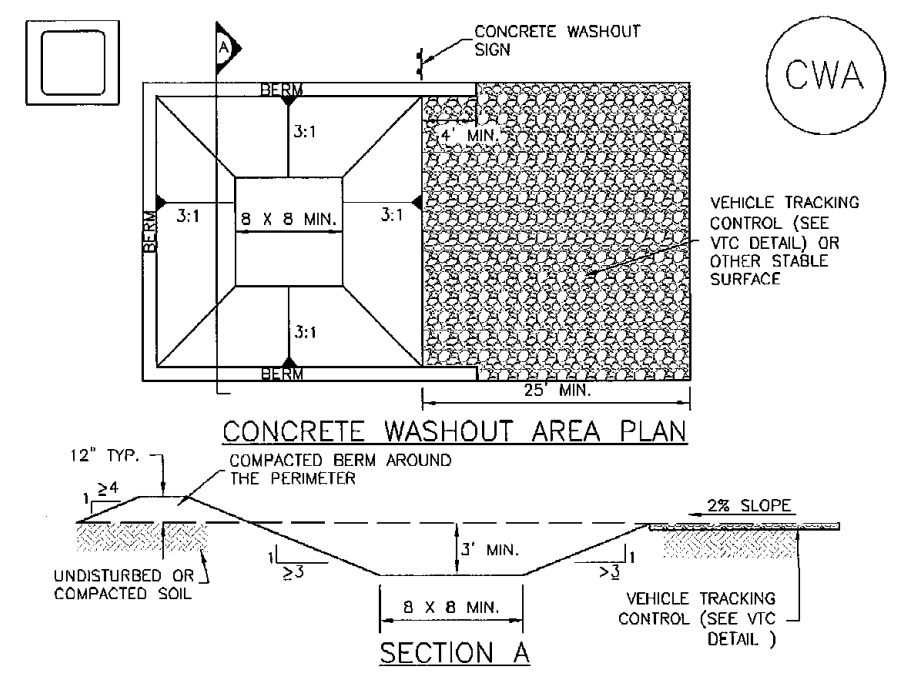
IP-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 August 2013

**SC-3 Straw Bale Barrier (SBB)**



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

**Concrete Washout Area (CWA) MM-1**



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

**MM-1 Concrete Washout Area (CWA)**

**CWA MAINTENANCE NOTES**

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- THE CWA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS, ACCUMULATED IN PIT, SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2'.
- 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.
- THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
- WHEN THE CWA IS REMOVED, COVER THE DISTURBED AREA WITH TOP SOIL, SEED AND MULCH OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND THE CITY OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM USDCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

MM-1 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010



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	<p>NO. REVISION</p> <p>DATE</p>		<p>DATE 03/31/22</p>	<p>DATE 05/21/21</p>	<p>DATE 05/21/21</p>

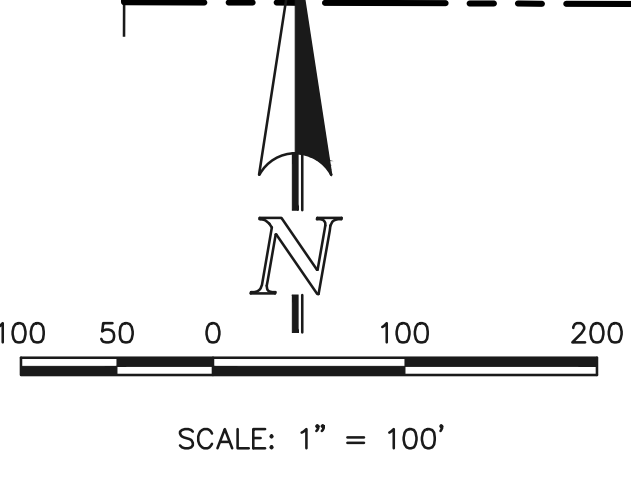
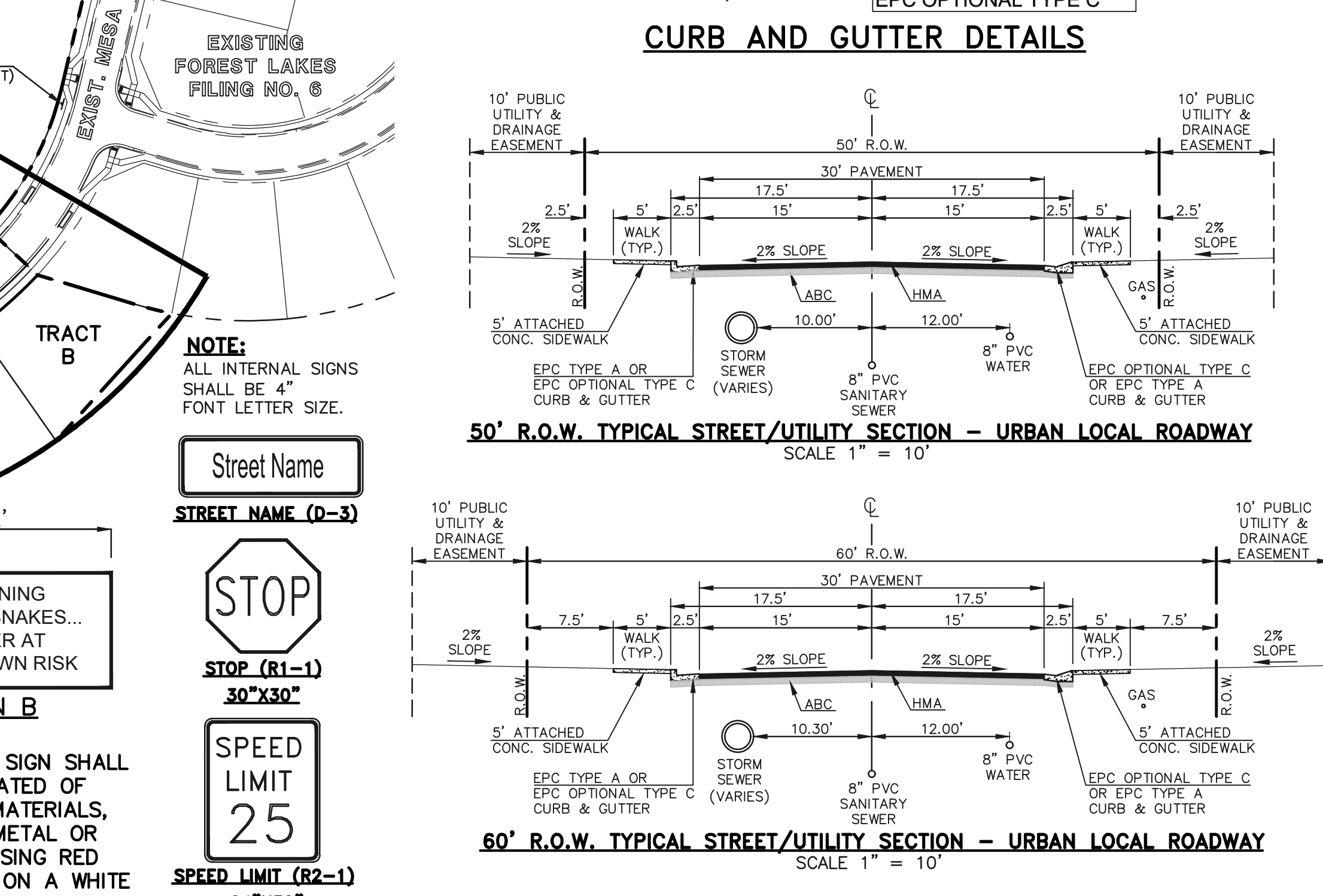
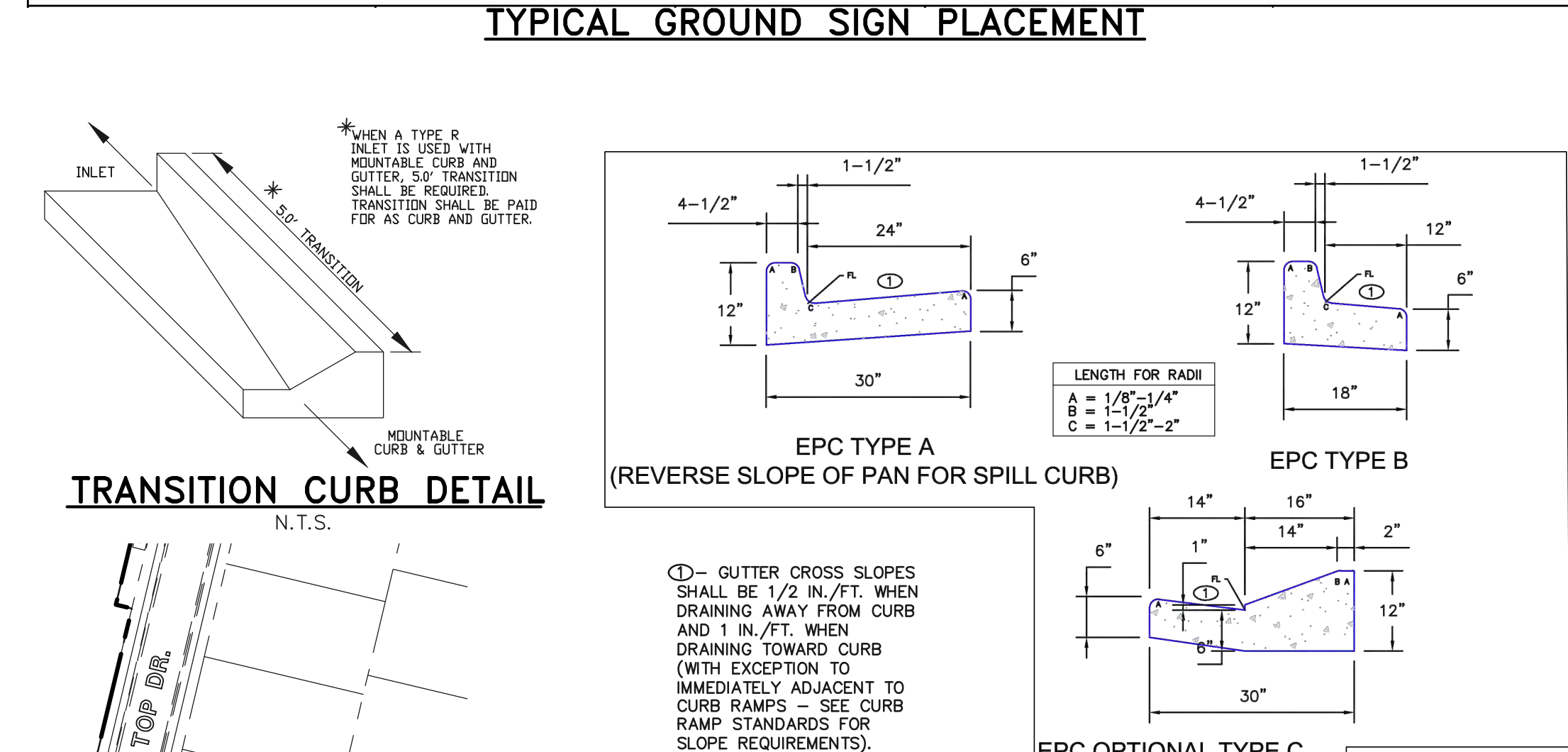
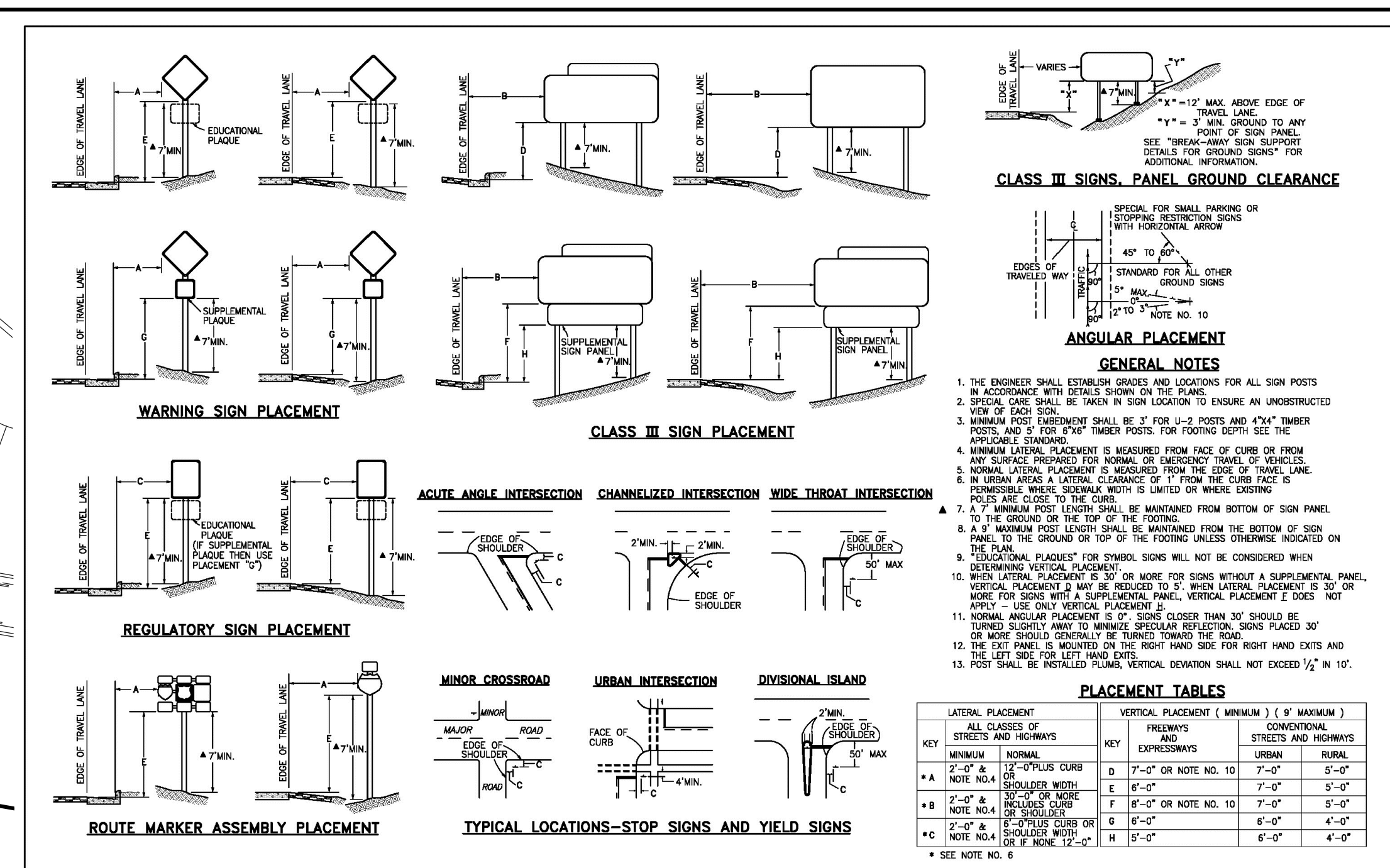
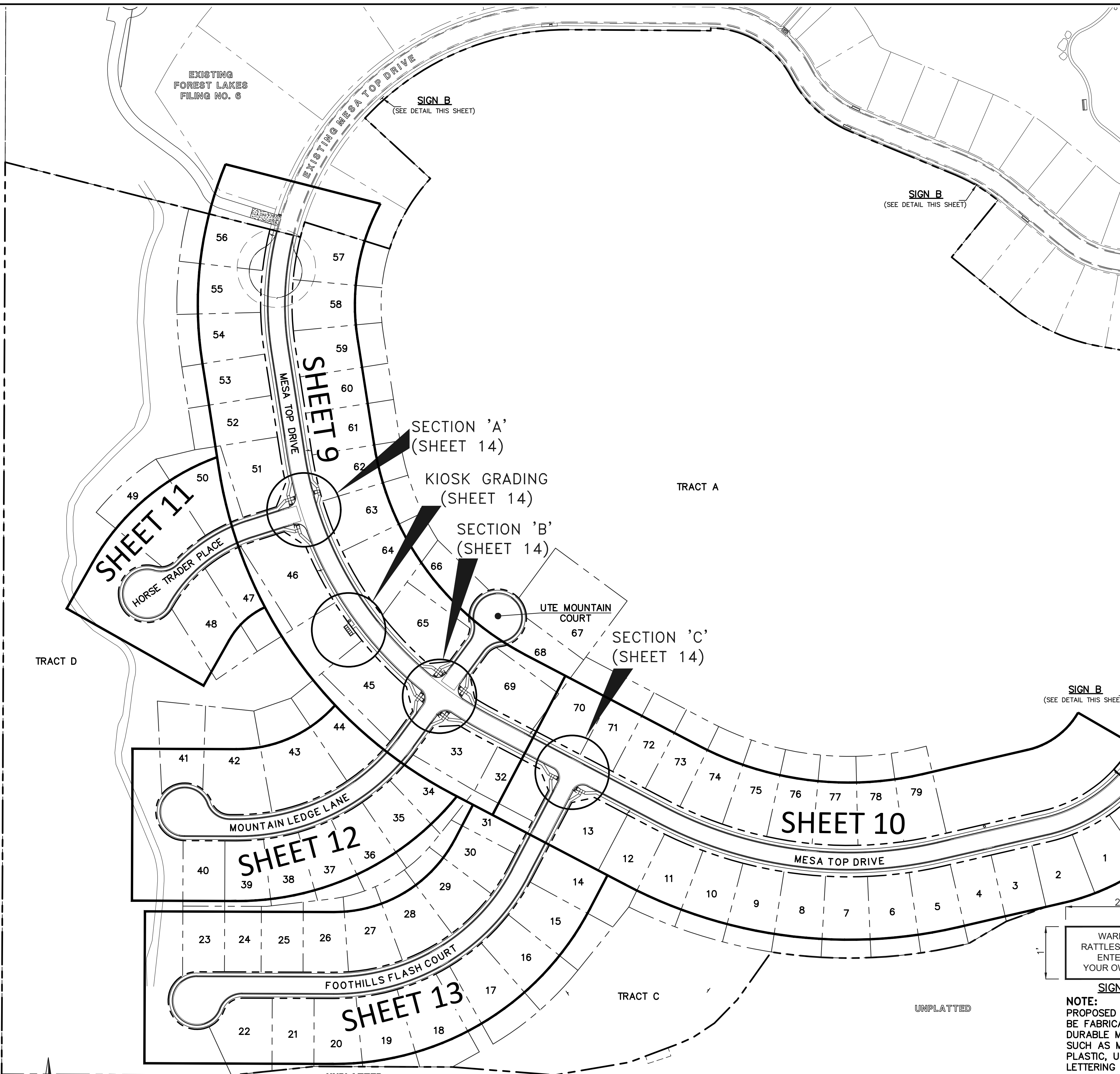
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CONSTRUCTION PLANS  
GRADING AND EROSION CONTROL PLAN  
EROSION CONTROL DETAILS EPC 5/12/2022

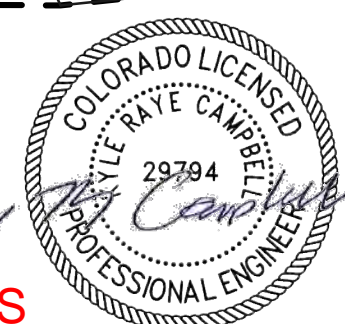
**CLASSIC CONSULTING**

619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903 (719)785-0790 (719)785-0799(Fax)

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ABBREVIATIONS: EL PASO COUNTY, PVC, R.O.W., HMA, ABC, CONC., STA., C&G, MIN., FL., TYP., I.F.O.B.

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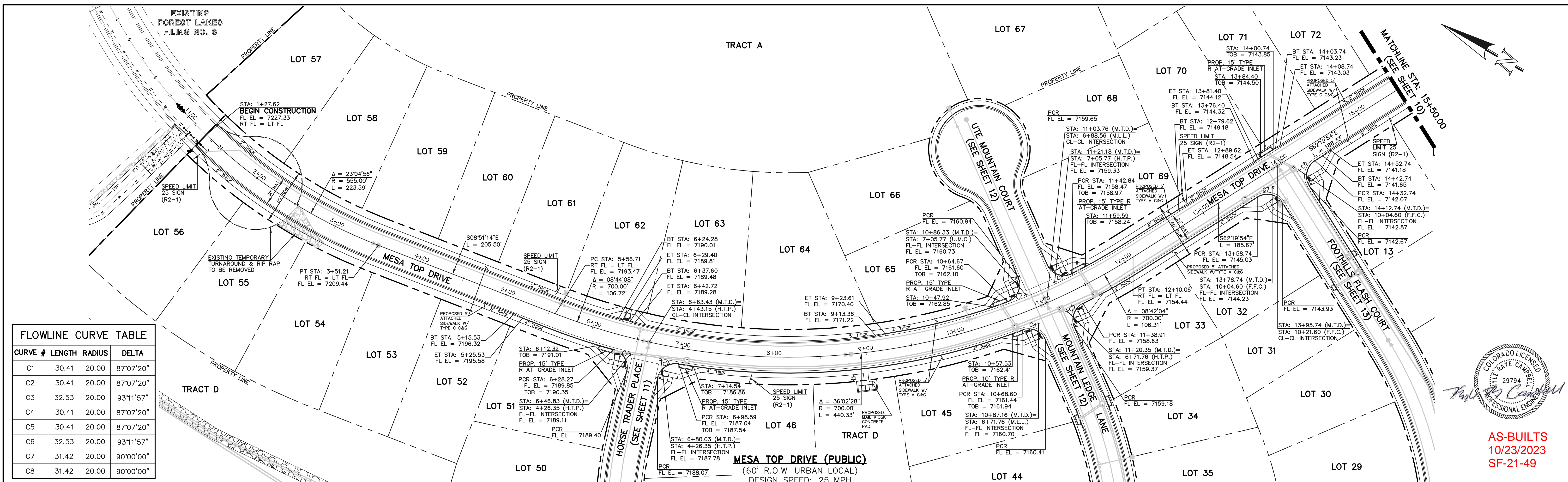
DATE 03/31/22 DATE



FOREST LAKES FILING NO. 7 PUBLIC STREET IMPROVEMENT PLAN KEY MAP WITH TYPICAL STREET SECTIONS EPC 5/12/2022



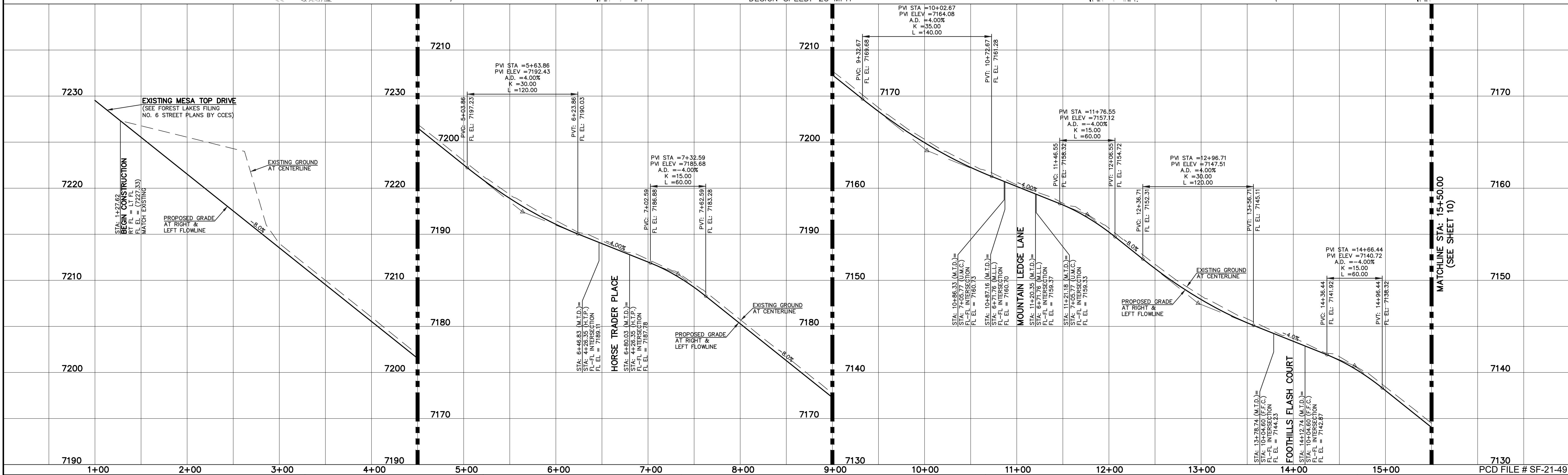




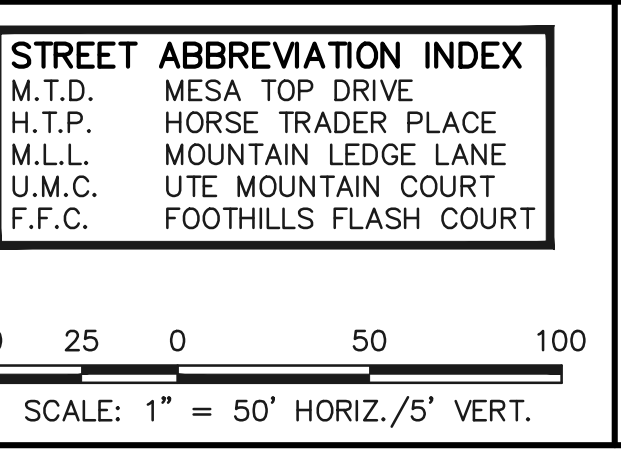
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C2	30.41	20.00	87°07'20"
C3	32.53	20.00	93°11'57"
C4	30.41	20.00	87°07'20"
C5	30.41	20.00	87°07'20"
C6	32.53	20.00	93°11'57"
C7	31.42	20.00	90°00'00"
C8	31.42	20.00	90°00'00"



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LEGEND	STREET ABBREVIATION INDEX
BOUNDARY LINE	M.T.D. MESA TOP DRIVE
ROW LINE	H.T.P. HORSE TRADER PLACE
LOT LINE	M.L.L. MOUNTAIN LEDGE LANE
CURB & GUTTER	U.M.C. UTE MOUNTAIN COURT
PED RAMP	F.F.C. FOOTHILLS FLASH COURT
LIGHT POLE	
SIGN	
TYPE R INLET	



**WALK CONSTRUCTION:**  
4" THICK SIDEWALK ALLOWED ALONG OPEN SPACE TRACTS & 'ESTATE LOT' FRONTAGE. 5" THICK SIDEWALK TYPICAL ALONG RESIDENTIAL LOTS PER EL PASO COUNTY DIRECTION. 6" REQUIRED AT DRIVEWAY CONNECTIONS PER DETAILS SD 2-24 & SD 2-25 ON SHEET 6. WALK NOT INSTALLED AT 6" THICKNESS WILL BE RE-CONSTRUCTED WITH DRIVEWAY PERMIT AND INSTALLATION AS REQUIRED.

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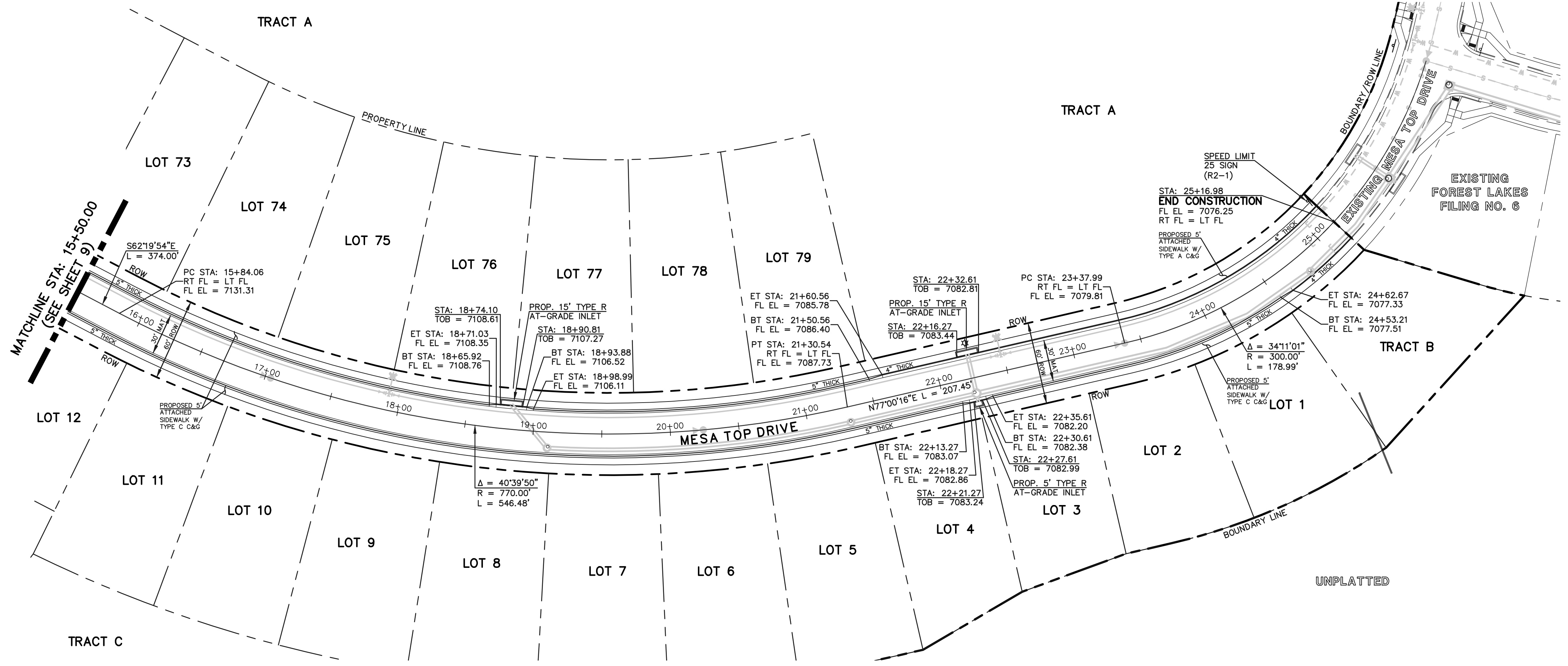
NO.	REVISION	DATE

REVIEW:  
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC  
KYLE R. CAMPBELL  
P.E. #29794  
03/31/22



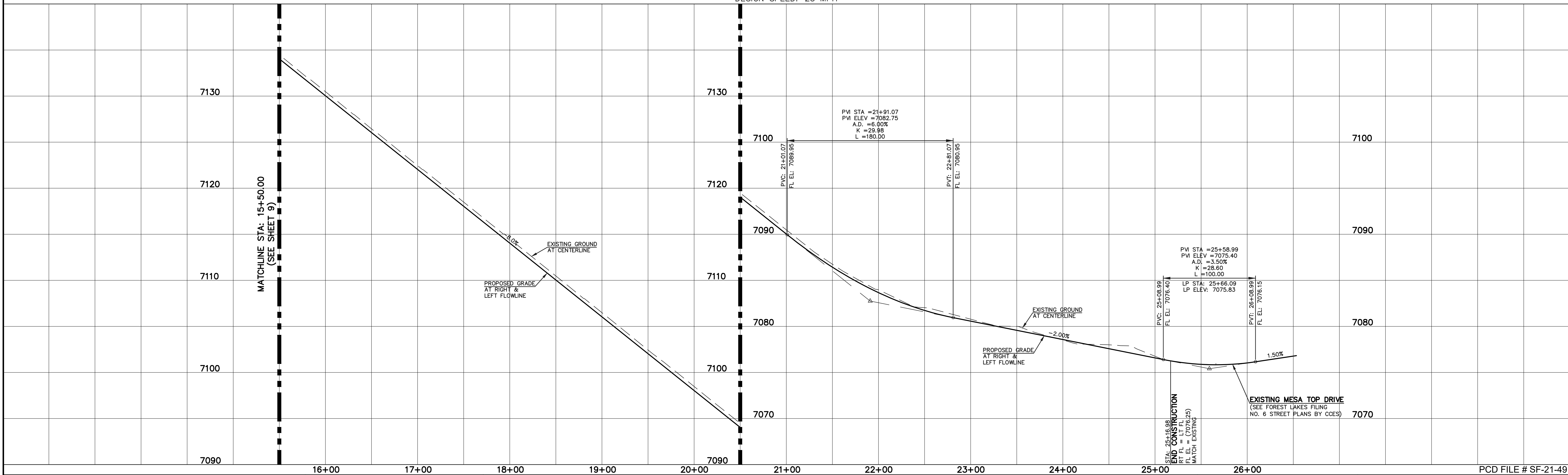
FOREST LAKES FILING NO. 7  
PUBLIC STREET IMPROVEMENT PLAN  
MESA TOP DRIVE  
STA: 1+00.00 - 15+50.00 EPC 5/12/2022  
DESIGNED BY: MAL SCALE: DATE: 05/21/21  
DRAWN BY: MES (H) 1" = 50' SHEET 9 OF 31  
CHECKED BY: (V) 1" = 5' JOB NO. 1175.70

N:\117570\DRAWINGS\CONSTRUCTION\STREETS\09-117570-SI-02.dwg, 3/31/2022 12:22:36 PM, 1:1



AS-BUILTS  
10/23/2023  
SF-21-49

MESA TOP DRIVE (PUBLIC)  
(60' R.O.W. URBAN LOCAL)  
DESIGN SPEED: 25 MPH



BOUNDARY LINE	---
ROW LINE	---
LOT LINE	---
CURB & GUTTER	---
PED RAMP	[Symbol]
LIGHT POLE	[Symbol]
SIGN	[Symbol]
TYPE R INLET	[Symbol]

M.T.D.	MESA TOP DRIVE
H.T.P.	HORSE TRADER PLACE
M.L.L.	MOUNTAIN LEDGE LANE
U.M.C.	UTE MOUNTAIN COURT
F.F.C.	FOOTHILLS FLASH COURT

SCALE: 1" = 50' HORIZ./5' VERT.

**WALK CONSTRUCTION:**  
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DATE: 03/31/22



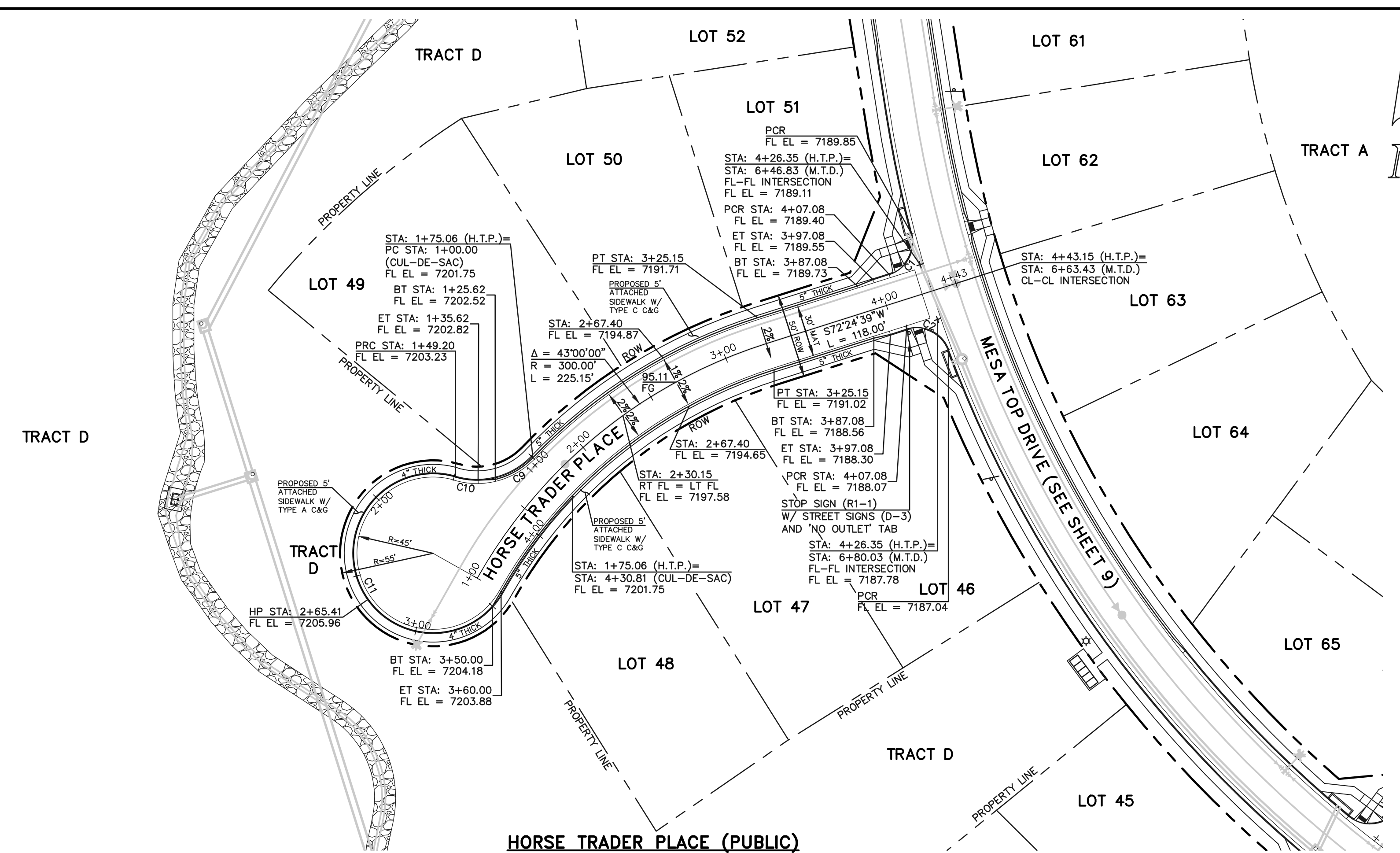
FOREST LAKES FILING NO. 7 PUBLIC STREET IMPROVEMENT PLAN MESA TOP DRIVE STA: 15+50.00 - END EPC 5/12/2022	
DESIGNED BY	MAL
DRAWN BY	MES
CHECKED BY	(V)
SCALE	(H) 1" = 50' (V) 1" = 5'
DATE	05/21/21
SHEET	10 OF 31
JOB NO.	1175.70

N:\117570\DRAWINGS\CONSTRUCTION\STREETS\117570-SI-03.dwg, 3/31/2022, 12:23:28 PM, 1:1

UNPLATTED FOREST SERVICE DEPT. OF AGRICULTURE UNITED STATES OF AMERICA

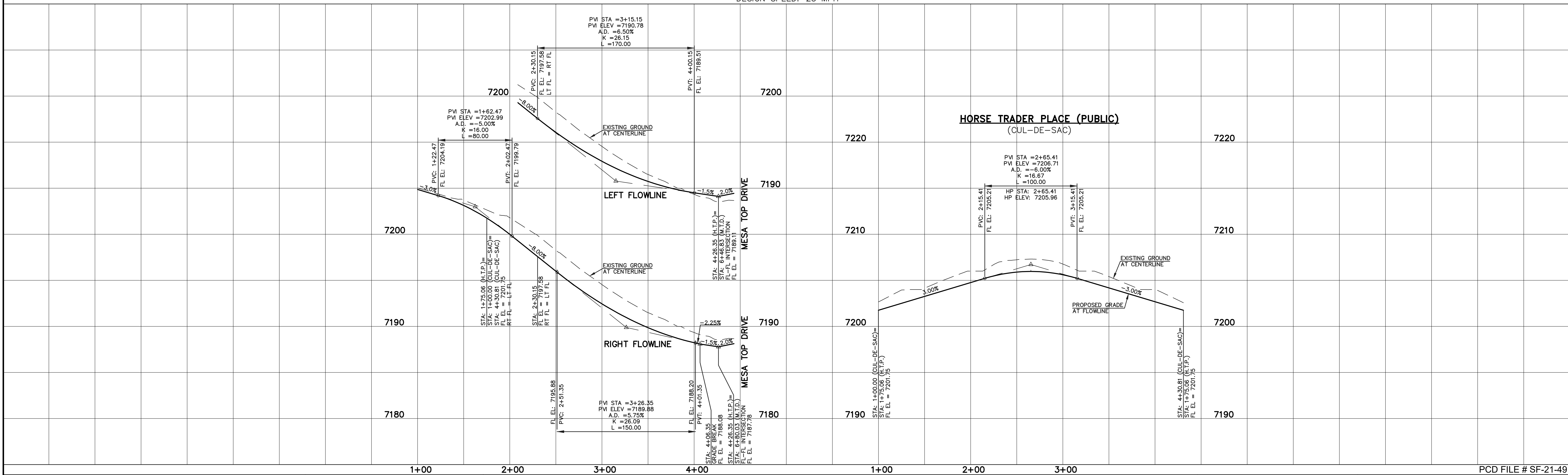
FLOWLINE CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA
C1	30.41	20.00	87°07'20"
C2	30.41	20.00	87°07'20"
C9	26.09	45.83	32°37'16"
C10	13.58	45.00	17°17'24"
C11	200.80	47.00	244°47'21"

BOUNDARY LINE



AS-BUILTS  
10/23/2023  
SF-21-49

**HORSE TRADER PLACE (PUBLIC)**  
(50' R.O.W. URBAN LOCAL)  
DESIGN SPEED: 25 MPH



PCD FILE # SF-21-49

**LEGEND**

BOUNDARY LINE	---
ROW LINE	---
LOT LINE	---
CURB & GUTTER	---
PED RAMP	▭
LIGHT POLE	☆
SIGN	▲
TYPE R INLET	▭

**STREET ABBREVIATION INDEX**

M.T.D.	MESA TOP DRIVE
H.T.P.	HORSE TRADER PLACE
M.L.L.	MOUNTAIN LEDGE LANE
U.M.C.	UTE MOUNTAIN COURT
F.F.C.	FOOTHILLS FLASH COURT

50 25 0 50 100  
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KYLE R. CAMPBELL, P.E. #29794

03/31/22



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PUBLIC STREET IMPROVEMENT PLAN  
HORSE TRADER PLACE

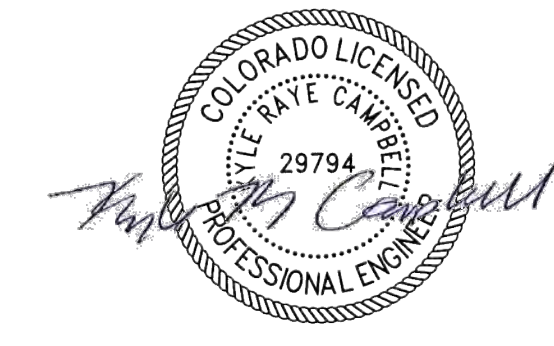
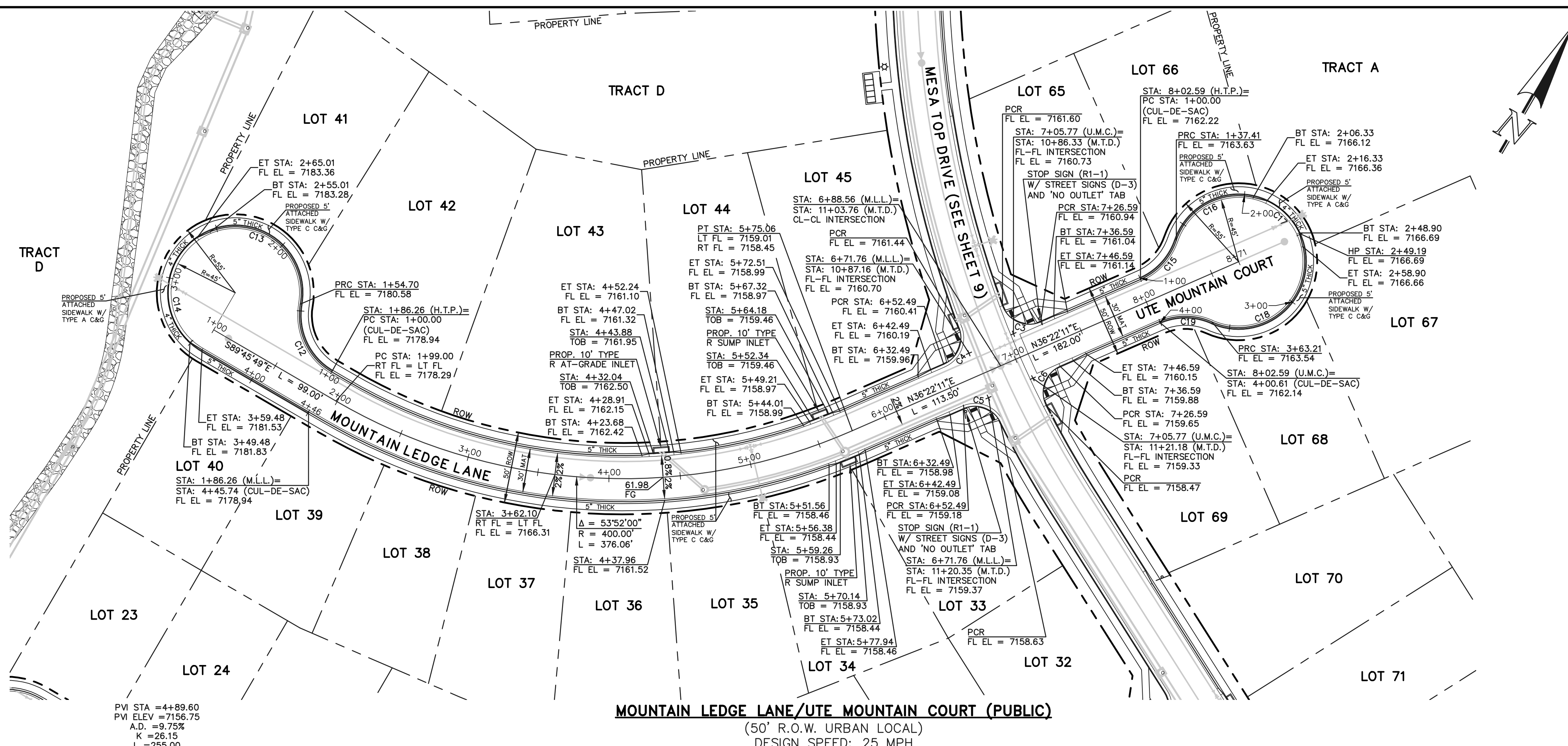
EPC 5/12/2022

DESIGNED BY	MAL	SCALE	DATE	05/21/21
DRAWN BY	MES	(H) 1" = 50'	SHEET	11 OF 31
CHECKED BY	(V) 1" = 5'	JOB NO.	1175.70	



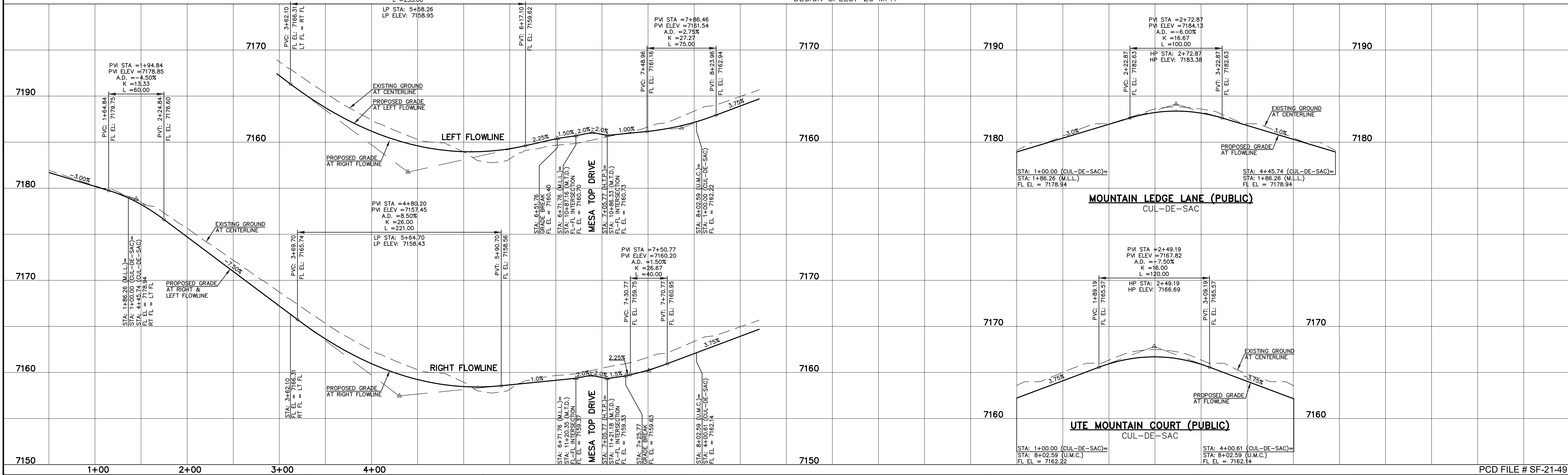
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CURVE #	LENGTH	RADIUS	DELTA
C3	32.53	20.00	93°11'57"
C4	30.41	20.00	87°07'20"
C5	30.41	20.00	87°07'20"
C6	32.53	20.00	93°11'57"
C12	55.71	45.83	69°38'44"
C13	98.54	46.17	122°17'23"
C14	84.47	47.00	102°58'29"
C15	38.10	45.83	47°37'49"
C16	67.71	46.17	84°01'20"
C17	32.57	47.00	39°42'09"
C18	102.46	46.17	127°09'16"
C19	38.10	45.83	47°37'49"



AS-BUILTS  
10/23/2023  
SF-21-49

**MOUNTAIN LEDGE LANE/UTE MOUNTAIN COURT (PUBLIC)**  
(50' R.O.W. URBAN LOCAL)  
DESIGN SPEED: 25 MPH



LEGEND	
BOUNDARY LINE	---
ROW LINE	---
LOT LINE	---
CURB & GUTTER	---
PED RAMP	▭
LIGHT POLE	☆
SIGN	☆
TYPE R INLET	▭

STREET ABBREVIATION INDEX	
M.T.D.	MESA TOP DRIVE
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 KYLE R. CAMPBELL, P.E. #29794  
 DATE: 03/31/22

PCD FILE # SF-21-49

FOREST LAKES FILING NO. 7  
PUBLIC STREET IMPROVEMENT PLAN  
MOUNTAIN LEDGE LANE/UTE MOUNTAIN COURT  
EPC 5/12/2022

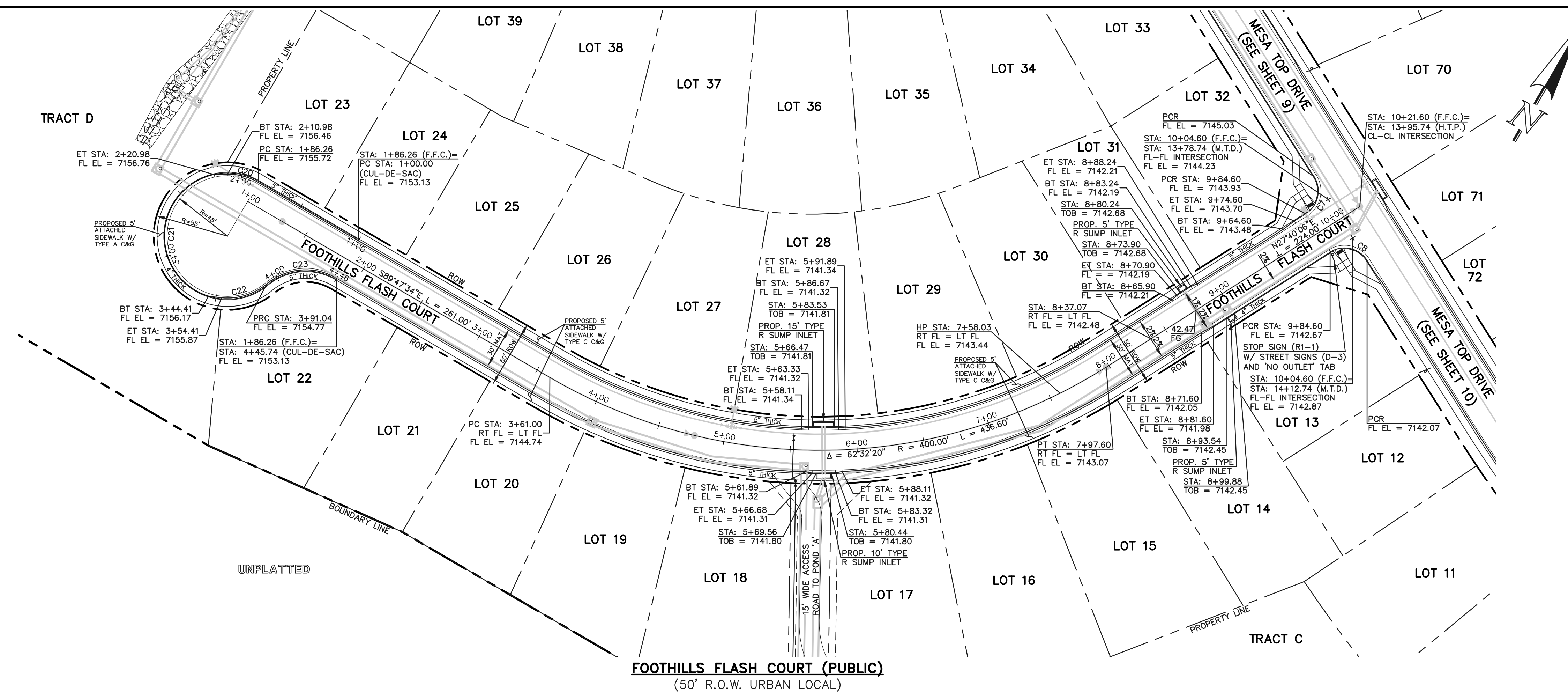
DESIGNED BY	MAL	SCALE	DATE	05/21/21
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CHECKED BY	(V) 1" = 5'	JOB NO.	1175.70	

CLASSIC CONSULTING

719 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903

(719) 785-0790  
(719) 785-0799 (Fax)

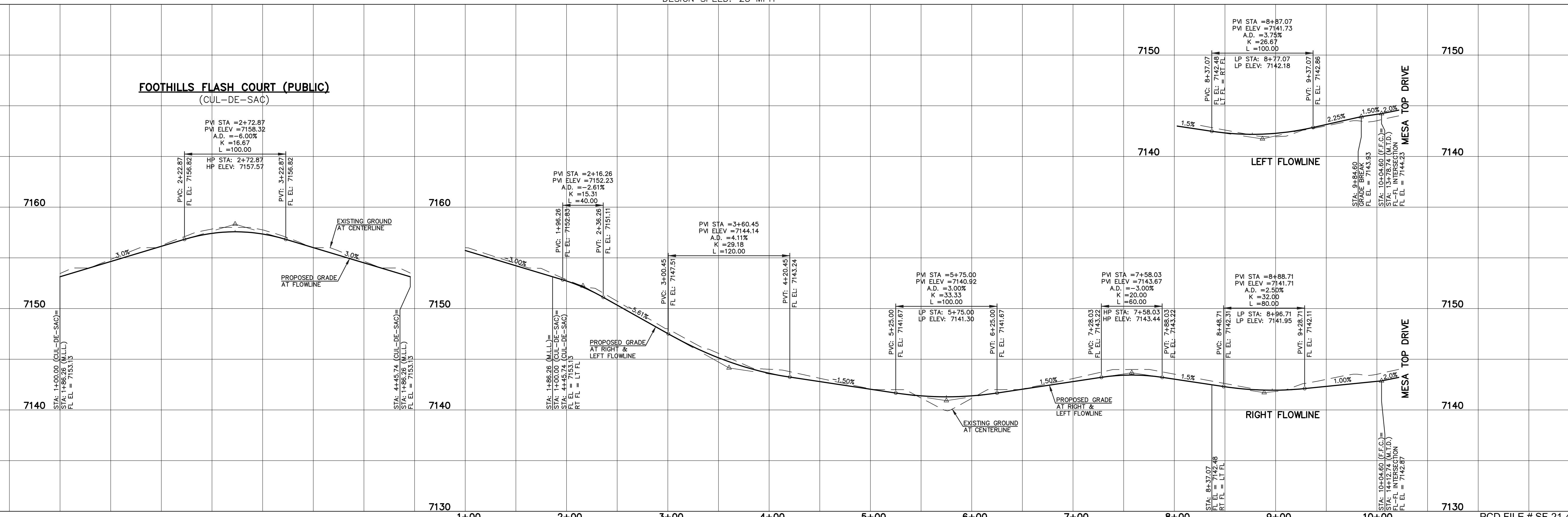
FLOWLINE CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA
C7	31.42	20.00	90°00'00"
C8	31.42	20.00	90°00'00"
C20	24.29	46.17	30°08'46"
C21	123.42	47.00	150°27'40"
C22	35.99	46.17	44°39'26"
C23	55.71	45.83	69°38'44"



AS-BUILTS  
10/23/2023  
SF-21-49

**FOOTHILLS FLASH COURT (PUBLIC)**  
(50' R.O.W. URBAN LOCAL)  
DESIGN SPEED: 25 MPH

**FOOTHILLS FLASH COURT (PUBLIC)**  
(CUL-DE-SAC)



**LEGEND**

BOUNDARY LINE	---
ROW LINE	---
LOT LINE	---
CURB & GUTTER	---
PED RAMP	▭
LIGHT POLE	☆
SIGN	▲
TYPE R INLET	▭

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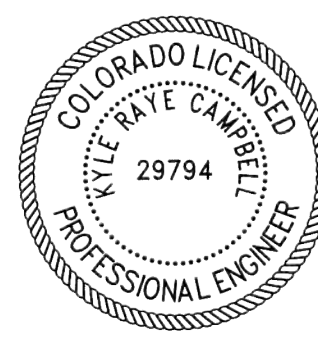
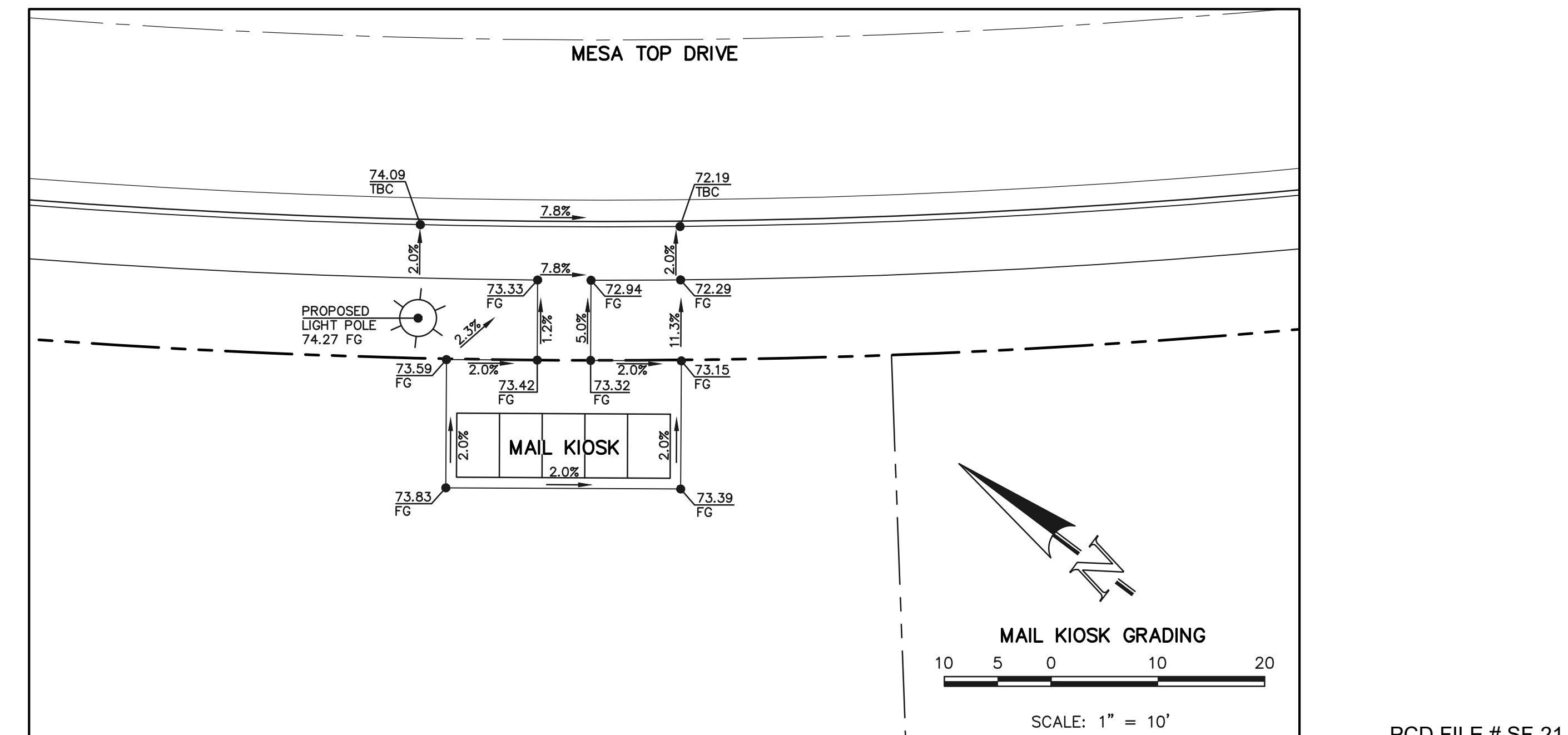
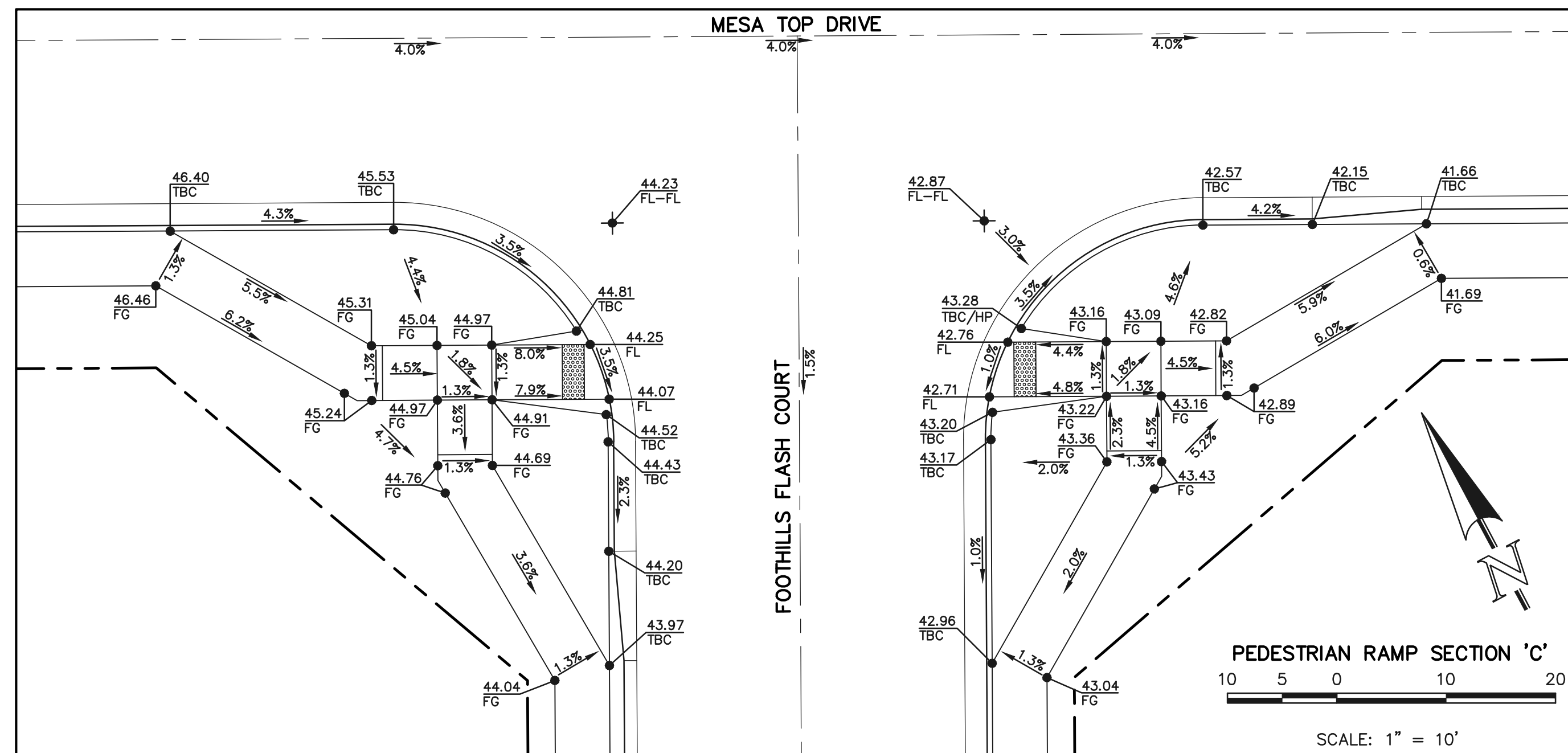
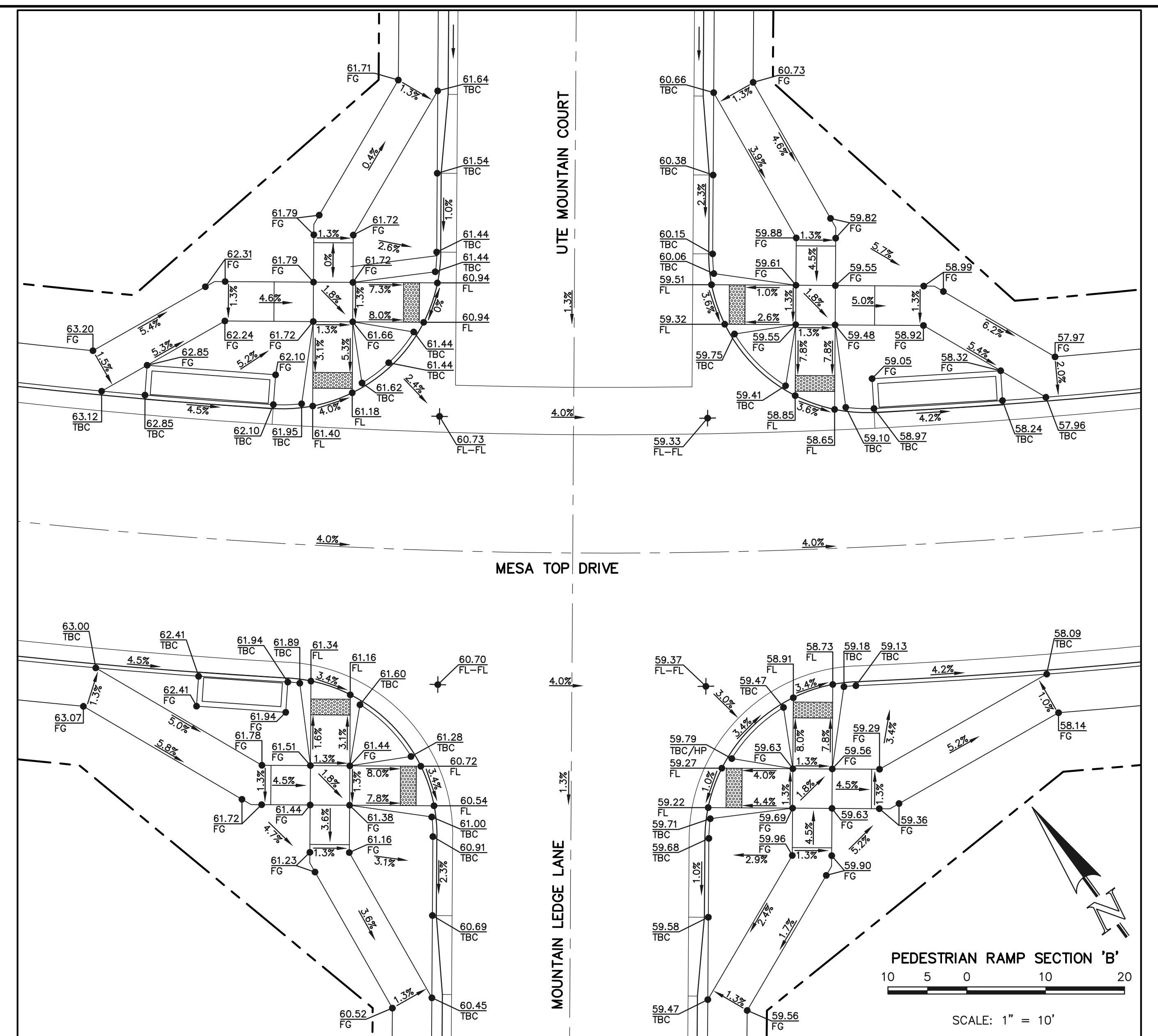
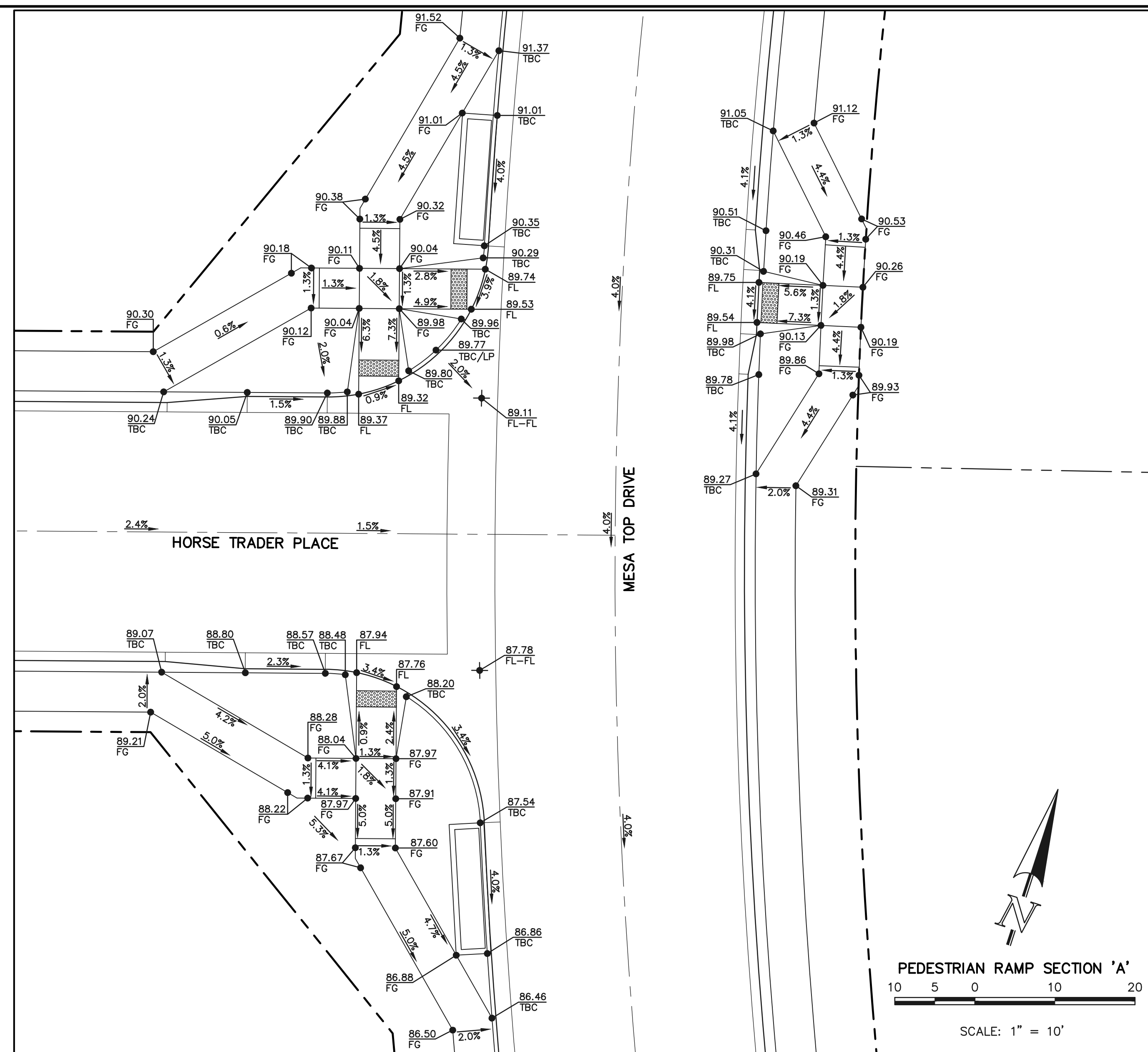
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DATE 03/31/22



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FOOTHILLS FLASH COURT  
EPC 5/12/2022  
DESIGNED BY MAL SCALE DATE 05/21/21  
DRAWN BY MES (H) 1" = 50' SHEET 13 OF 31  
CHECKED BY (V) 1" = 5' JOB NO. 1175.70

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10/23/2023  
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*Kyle R. Campbell*  
KYLE R. CAMPBELL, P.E. #29794

03/31/22  
DATE



FOREST LAKES FILING NO. 7 PUBLIC STREET IMPROVEMENT PLAN PEDESTRIAN RAMP DESIGN			
DESIGNED BY	MES	SCALE	DATE 05/21/21
DRAWN BY	MES	(H) 1" = 10'	SHEET 14 OF 31
CHECKED BY	(V) 1" = N/A	JOB NO.	1175.70

PCD FILE # SF-21-49



### American Revolution LED Series 247L

#### PRODUCT OVERVIEW



#### Features:

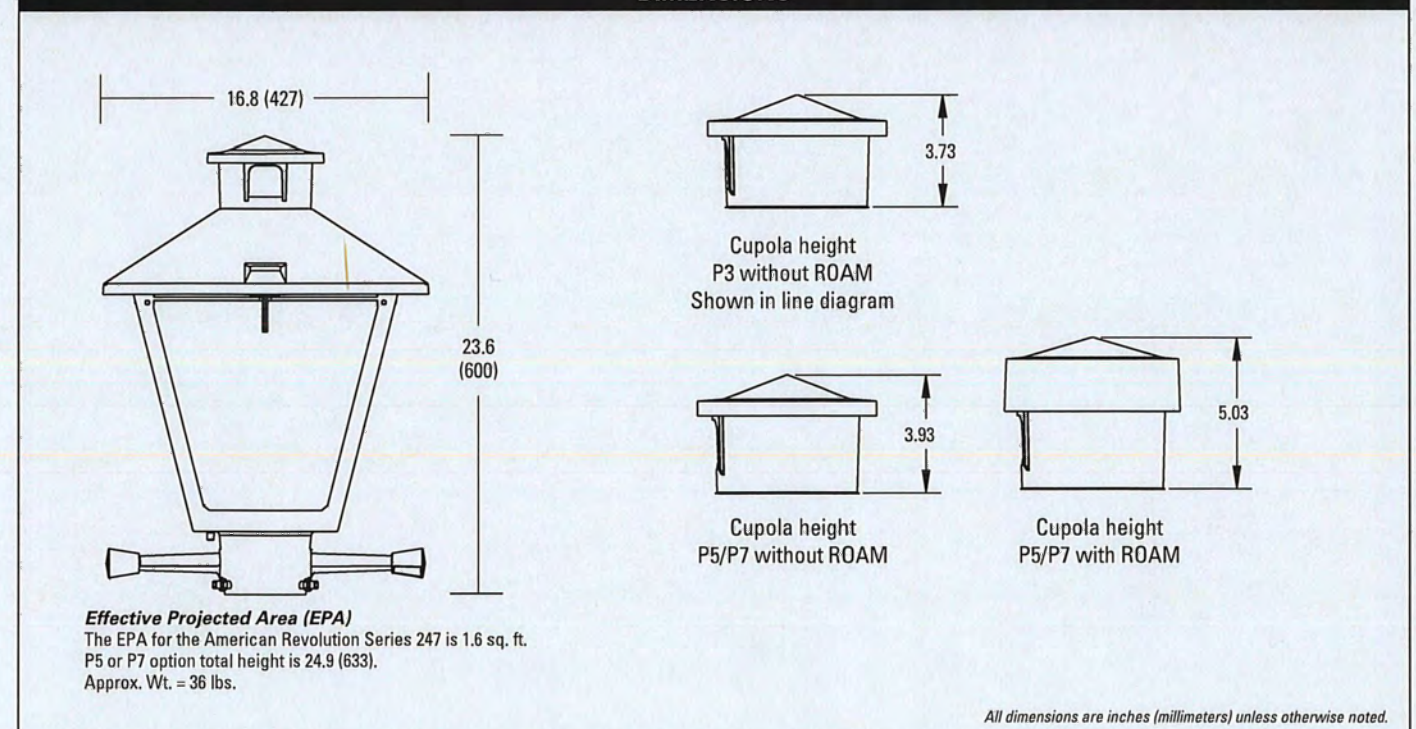
- Die-cast aluminum housing and hood for long-life performance
- Die-cast trigger latch (TL) and captive thumb screws option available for easy access to internal components
- Optical assembly designed for maximum performance, available in Type II, Type III and Type V
- Hinged hood and captive thumb screws provision afford quick, easy access to electrical and optical area for servicing
- Slipfitter with three set screws allows secure installation to pole sizes 2-3/8" or 3" O.D.
- Surge protection device (standard) exceeds ANSI C62.41 Category C1 criteria (surge tested at 10kV/5kA)
- Complies with ANSI: C136.2, C136.10, C136.15
- CSA listed and suitable for up to 30°C ambient
- Rated L70, LED life greater than 100,000 hours at 25°C
- Replaces up to 150W HPS light source incumbent models
- LED electronic 0V-10V dimmable driver
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/DPL](http://www.designlights.org/DPL) to confirm which versions are qualified.

#### Applications:

- Streetscapes
- Walkways
- Pathways
- Parks

MVEA SPEC # 247L 10LEDE10 MVOLT 4K RS AY PCLL

#### DIMENSIONS



Note: Specifications subject to change without notice.  
American Revolution Series 247L LED



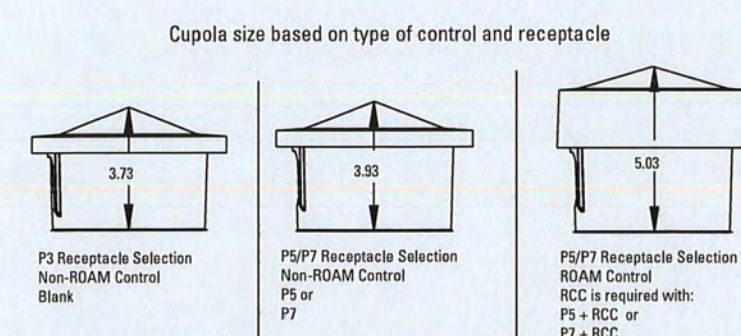
### American Revolution LED Series 247L

#### ORDERING INFORMATION

Example: 247L 20LEDE70 MVOLT 4K R3 AY

Series	Performance Package	Voltage	Color Temperature (CCT)
247L American Revolution LED	20LEDE10 20 Chips, 1050 mA Driver, 72 input watts 20LEDE70 20 Chips, 700 mA Driver, 45 input watts 10LEDE10 10 Chips, 1050 mA Driver, 28 input watts 10LEDE70 10 Chips, 700 mA Driver, 25 input watts 10LEDE35 10 Chips, 525 mA Driver, 18 input watts 10LEDE35 10 Chips, 350 mA Driver, 13 input watts	MVOLT Multi-volt, 120-277V 347 347V 480 480V	3K 3000K 4K 4000K 5K 5000K

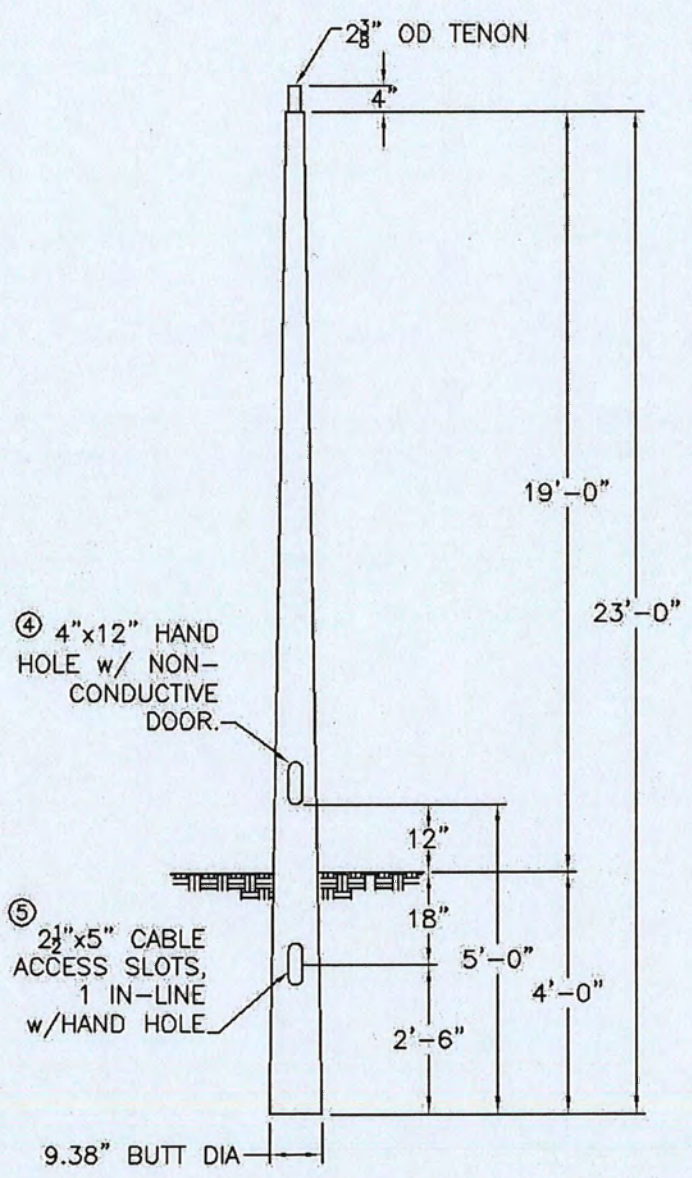
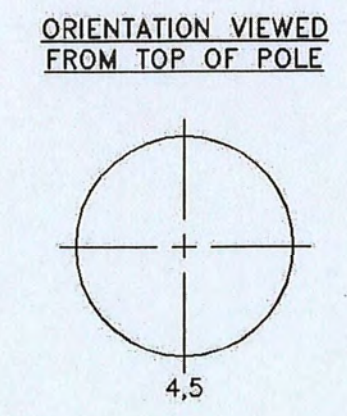
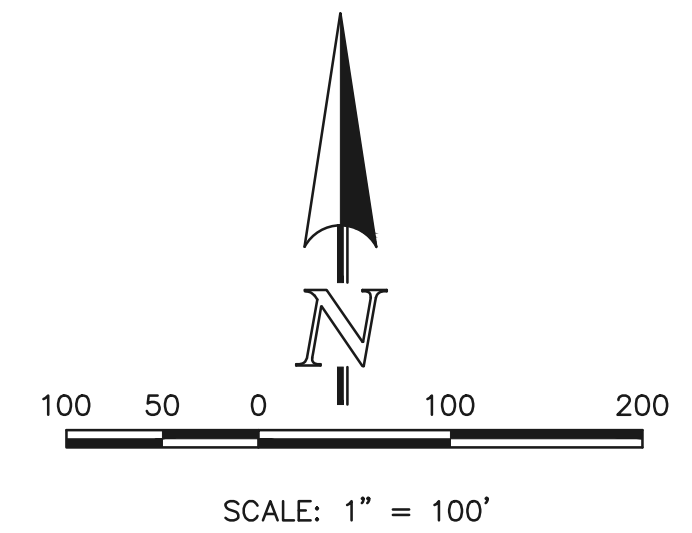
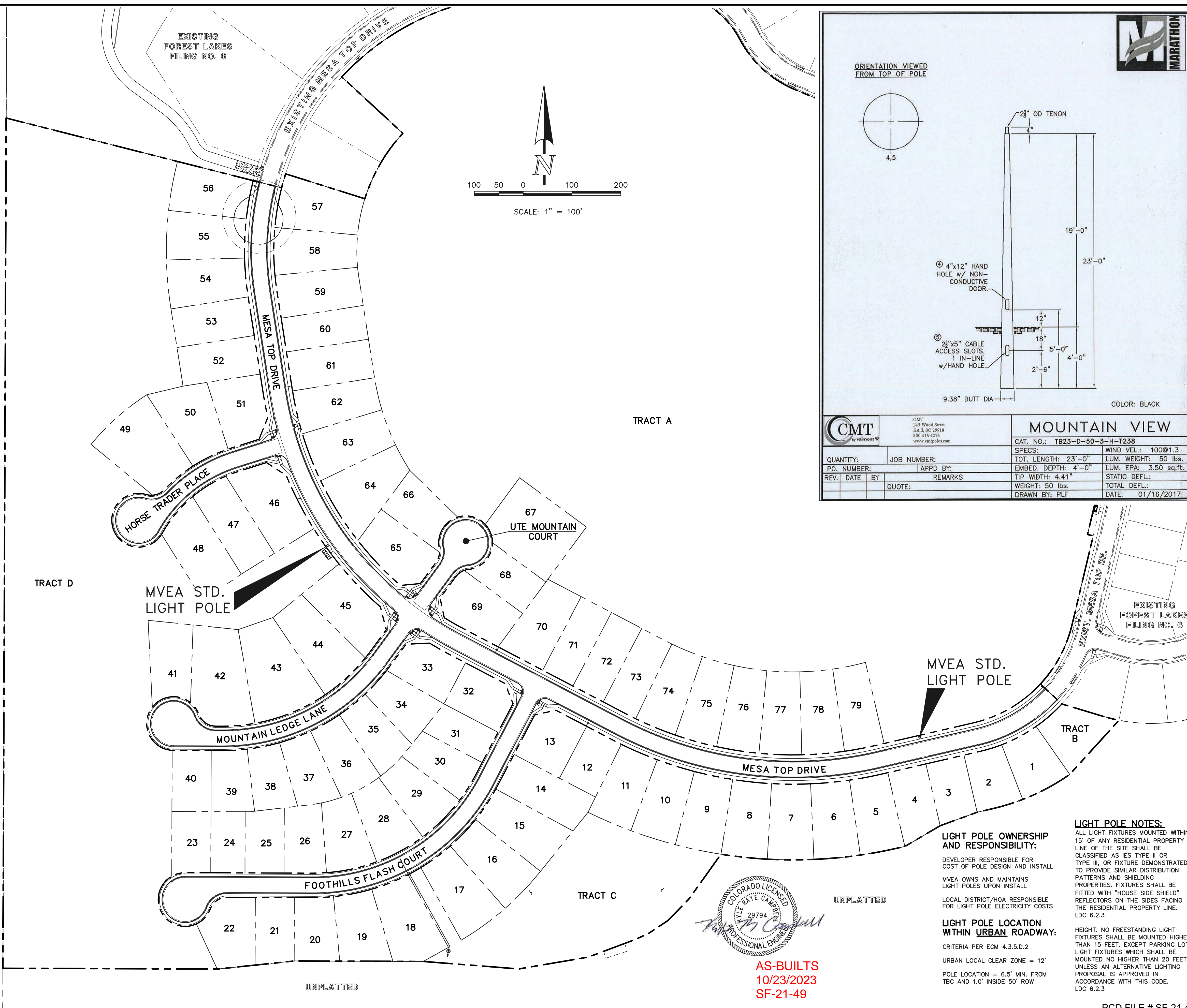
Distribution	Optics	Options
R2 Type II R3 Type III RS Type V	AY Acrylic PY Polycarbonate	Paint: (blank) Black (standard) GY Gray DOB Dark Bronze WH White BZ Bronze  Photocontrol: (blank) 3 pin NEMA Photocontrol Receptacle (standard) NR 2 No Photocontrol Receptacle (dimmable driver included) P5 1 5 pin NEMA Photocontrol Receptacle (dimmable driver included) P7 1 7 pin NEMA Photocontrol Receptacle (dimmable driver included) PCLL 4 Solid State Long Life Photocontrol PCSS 4 Solid State Long Life Photocontrol (120-277V)



- Notes:
1. Other colors available, please contact factory
  2. PC and SH not available with NR option
  3. Taller cupola cover (RCC) is required when used with ROAM or other similar wireless monitoring control systems
  4. Standard failure mode: "Fall On"
  5. Photocontrols supplied with ANSI Standard Turn-On levels
  6. XL option is required
  7. Ships with unit, field installed
  8. Required when using ROAM or other similar wireless monitoring control systems



Warranty Five-year limited warranty. Complete warranty terms located at [www.aelbrands.com/CustomerResources/terms\\_and\\_conditions.asp](http://www.aelbrands.com/CustomerResources/terms_and_conditions.asp). Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.  
Please contact your sales representative for the latest product information.



CMT		MOUNTAIN VIEW	
QUANTITY:	JOB NUMBER:	CAT. NO.: T823-D-50-3-H-T238	SPECS:
PO. NUMBER:	APPD BY:	TOT. LENGTH: 23'-0"	WIND VEL.: 100@1.3
REV. DATE BY:	REMARKS:	EMBED. DEPTH: 4'-0"	LUM. WEIGHT: 50 lbs.
QUOTE:		TIP WIDTH: 4.41"	LUM. EPA: 3.50 sq.ft.
		WEIGHT: 50 lbs.	STATIC DEFL.:
			TOTAL DEFL.:
			DATE: 01/16/2017



AS-BUILTS  
10/23/2023  
SF-21-49

**LIGHT POLE OWNERSHIP AND RESPONSIBILITY:**  
DEVELOPER RESPONSIBLE FOR COST OF POLE DESIGN AND INSTALL  
MVEA OWNS AND MAINTAINS LIGHT POLES UPON INSTALL  
LOCAL DISTRICT/HOA RESPONSIBLE FOR LIGHT POLE ELECTRICITY COSTS

**LIGHT POLE LOCATION WITHIN URBAN ROADWAY:**  
CRITERIA PER EGM 4.3.5.D.2  
URBAN LOCAL CLEAR ZONE = 12'  
POLE LOCATION = 6.5' MIN. FROM TBC AND 1.0' INSIDE 50' ROW

**LIGHT POLE NOTES:**  
ALL LIGHT FIXTURES MOUNTED WITHIN 15' OF ANY RESIDENTIAL PROPERTY LINE OF THE SITE SHALL BE CLASSIFIED AS JES TYPE II OR TYPE III, OR FIXTURE DEMONSTRATED TO PROVIDE SIMILAR DISTRIBUTION PATTERNS AND SHIELDING PROPERTIES. FIXTURES SHALL BE FITTED WITH "HOUSE SIDE SHIELD" REFLECTORS ON THE SIDES FACING THE RESIDENTIAL PROPERTY LINE. LDC 6.2.3  
HEIGHT: NO FREESTANDING LIGHT FIXTURES SHALL BE MOUNTED HIGHER THAN 15 FEET, EXCEPT PARKING LOT LIGHT FIXTURES WHICH SHALL BE MOUNTED NO HIGHER THAN 20 FEET UNLESS AN ALTERNATIVE LIGHTING PROPOSAL IS APPROVED IN ACCORDANCE WITH THIS CODE. LDC 6.2.3

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REVIEW:  
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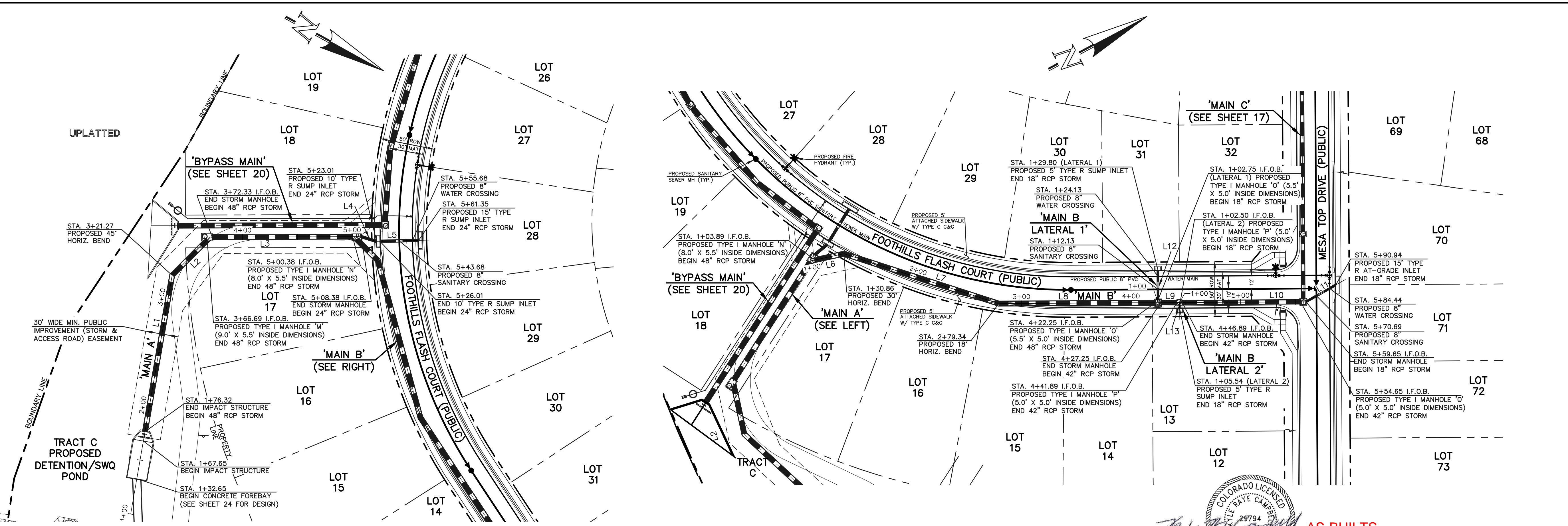
KYLE R. CAMPBELL  
PROFESSIONAL ENGINEER  
P.E. #29794

03/31/22  
DATE



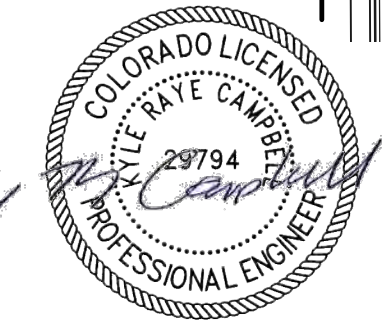
FOREST LAKES FILING NO. 7 PUBLIC STREET IMPROVEMENT PLAN STREET LIGHT POLE LOCATION PLAN EPC 5/12/2022			
DESIGNED BY	MAL	SCALE	DATE 05/21/21
DRAWN BY	MES	(H) 1" = 100'	SHEET 15 OF 31
CHECKED BY	(V) 1" = N/A	JOB NO.	1175.70

PCD FILE # SF-21-49



Line #	Length	Direction
L1	144.95	S70°51'03"W
L2	45.42	N74°08'57"W
L3	128.05	N29°08'57"W
L4	14.63	N11°41'04"W
L5	35.34	N30°26'46"W
L6	26.97	S15°51'03"W
L7	148.48	S45°51'03"W
L8	142.90	S27°40'06"W
L9	14.64	S27°40'06"W
L10	107.76	S27°40'06"W
L11	31.29	N01°35'11"W
L12	27.05	N62°19'54"W
L13	3.04	N62°19'54"W

**NOTES:**  
ALL STORM FACILITIES WITHIN R.O.W. ARE PUBLIC, UNLESS OTHERWISE NOTED.  
ALL STORM SEWER WITH 100-YR HGL ABOVE THE TOP OF PIPE SHALL BE INSTALLED WITH PRESSURE PIPE AND WATERTIGHT JOINTS WITH A 100-YEAR SERVICE LIFE.  
ALL STORM SEWER PIPES TO BE CLASS 3.  
STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 30-31.



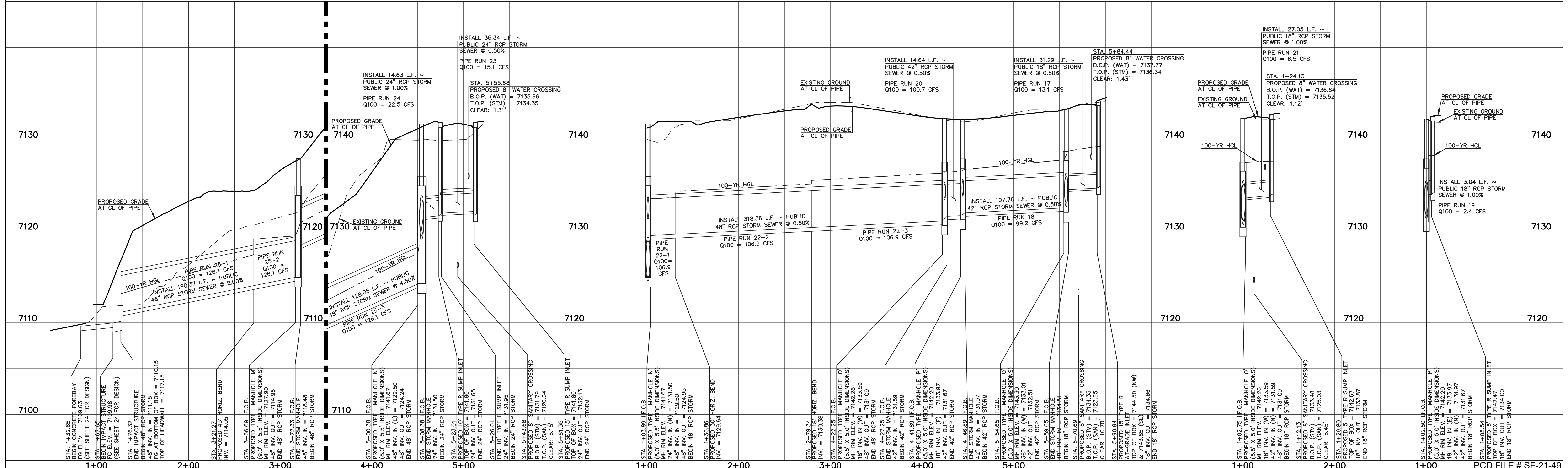
AS-BUILTS  
10/23/2023  
SF-21-49

PUBLIC 48"/24" RCP STORM - 'MAIN A'

PUBLIC 48"/42"/18" RCP STORM - 'MAIN B'

PUBLIC 18" RCP STORM - 'MAIN B LATERAL 1'

PUBLIC 18" RCP STORM - 'MAIN B LATERAL 2'



**LEGEND**

	PROPOSED FIRE HYDRANT		EXISTING FIRE HYDRANT
	PROPOSED WATER MAIN		EXISTING WATER MAIN
	PROPOSED SANITARY SEWER MAIN		EXISTING SANITARY SEWER MAIN
	PROPOSED STORM SEWER		EXISTING STORM SEWER
	PROPOSED STORM INLET		EXISTING STORM INLET
	ROW/BOUNDARY LINE		EXISTING GAS MAIN
			EXISTING ELECTRIC

48 HOURS BEFORE YOU DIG,  
CALL UTILITY LOCATORS  
**811**  
UTILITY NOTIFICATION CENTER OF COLORADO  
IT'S THE LAW  
THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NO.	REVISION	DATE

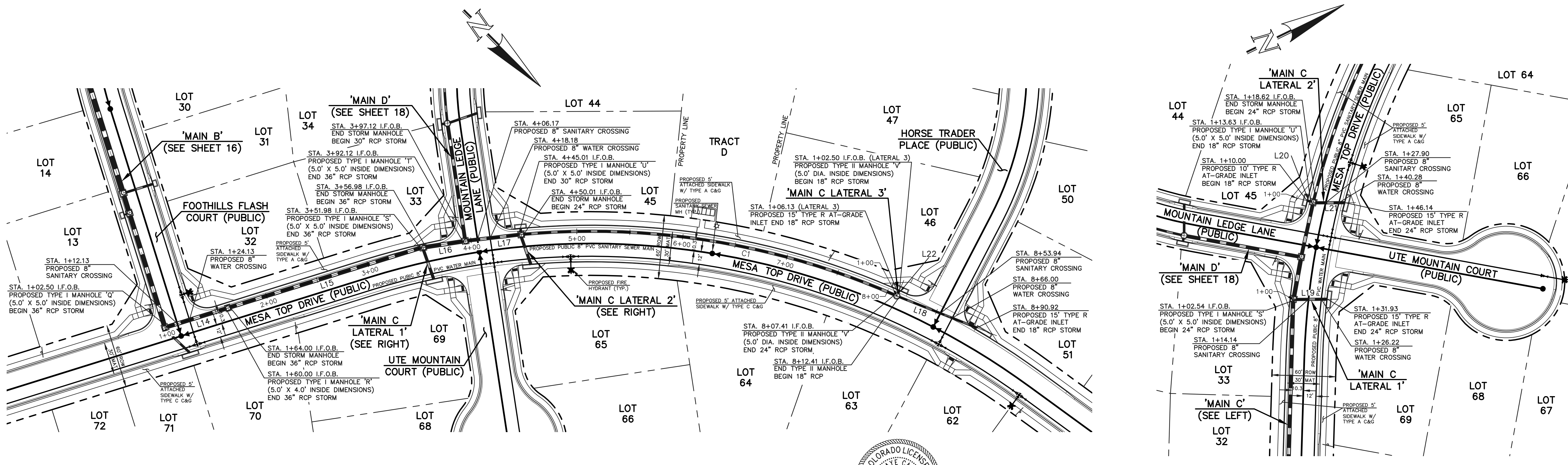
REVIEW:  
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC  
KYLE R. CAMPBELL, P.E. #29794  
DATE: 03/31/22



FOREST LAKES FILING NO. 7  
CONSTRUCTION PLANS  
PUBLIC STORM SEWER PLAN  
'MAIN A'/'MAIN B'/'MAIN B LATERALS 1-2'  
EPC 5/12/2022

DESIGNED BY	MAL	SCALE	(H) 1" = 50'	DATE	06/01/21
DRAWN BY	MES	(V) 1" = 5'	SHEET	16	OF 31
CHECKED BY		JOB NO.	1175.70		





Line #	Length	Direction
L14	57.50	S62°19'54"E
L15	187.98	S62°19'54"E
L16	35.14	S53°37'49"E
L17	47.89	S51°35'38"E
L18	78.51	N23°17'29"W
L19	29.39	N25°34'54"E
L20	3.63	N39°53'59"E
L21	27.50	S25°46'02"W
L22	3.63	N68°52'49"E

Curve #	Delta	Length	Radius
C1	28°46'43"	357.39	711.54

**NOTES:**  
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 ALL STORM SEWER PIPES TO BE CLASS 3.  
 STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 30-31.



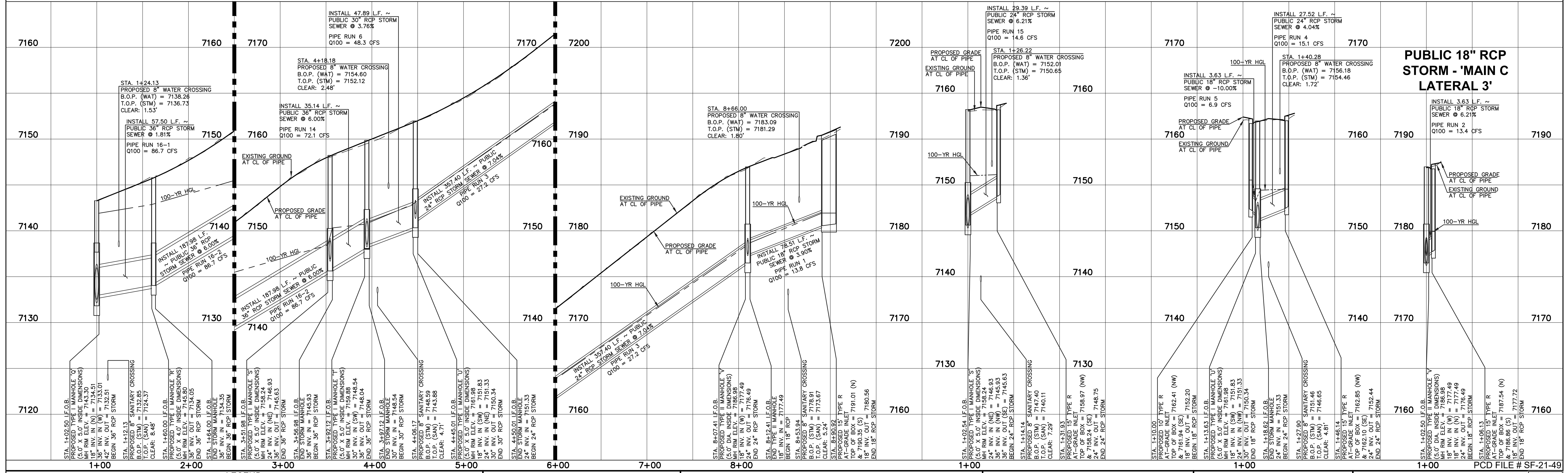
AS-BUILTS  
 10/23/2023  
 SF-21-49

**PUBLIC 36"/30"/24"/18" RCP STORM - 'MAIN C'**

**PUBLIC 24" RCP STORM - 'MAIN C LATERAL 1'**

**PUBLIC 24"/18" RCP STORM - 'MAIN C LATERAL 2'**

**PUBLIC 18" RCP STORM - 'MAIN C LATERAL 3'**



**LEGEND**

	PROPOSED FIRE HYDRANT		EXISTING FIRE HYDRANT
	PROPOSED WATER MAIN		EXISTING WATER MAIN
	PROPOSED SANITARY SEWER MAIN		EXISTING SANITARY SEWER MAIN
	PROPOSED STORM SEWER		EXISTING STORM SEWER
	PROPOSED STORM INLET		EXISTING STORM INLET
	ROW/BOUNDARY LINE		EXISTING GAS MAIN
			EXISTING ELECTRIC

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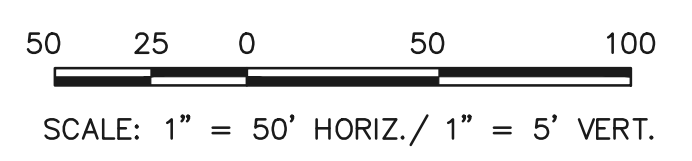
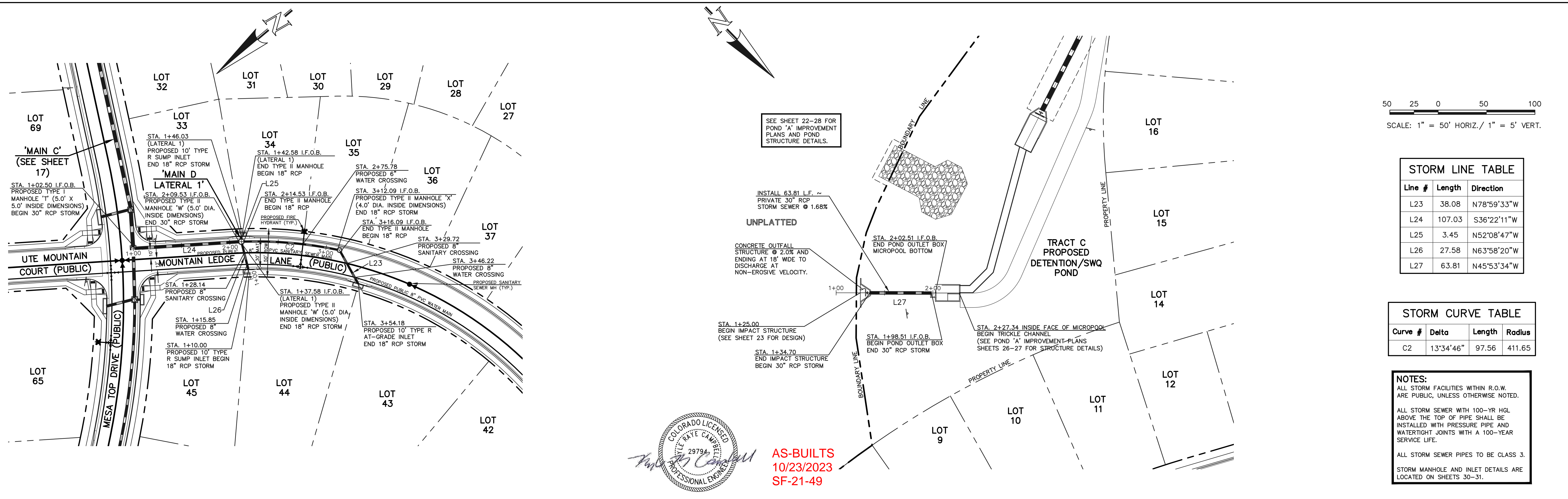
NO. REVISION	DATE

REVIEW:  
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 KYLE R. CAMPBELL, P.E. #29794  
 DATE: 03/31/22

**CLASSIC CONSULTING**  
 619 N. Cascade Avenue, Suite 200  
 Colorado Springs, Colorado 80903  
 (719) 785-0790  
 (719) 785-0799 (fax)

FOREST LAKES FILING NO. 7  
 CONSTRUCTION PLANS  
 PUBLIC STORM SEWER PLAN  
 'MAIN C' / 'MAIN C' LATERALS 1-3'  
 EPC 5/12/2022

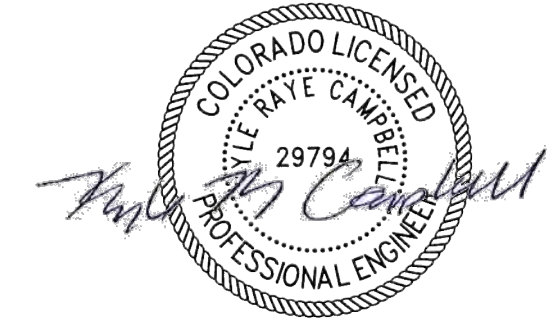
DESIGNED BY	MAL	SCALE	(H) 1" = 50'	DATE	06/01/21
DRAWN BY	MES	SHEET	17 OF 31		
CHECKED BY	(V) 1" = 5'	JOB NO.	1175.70		



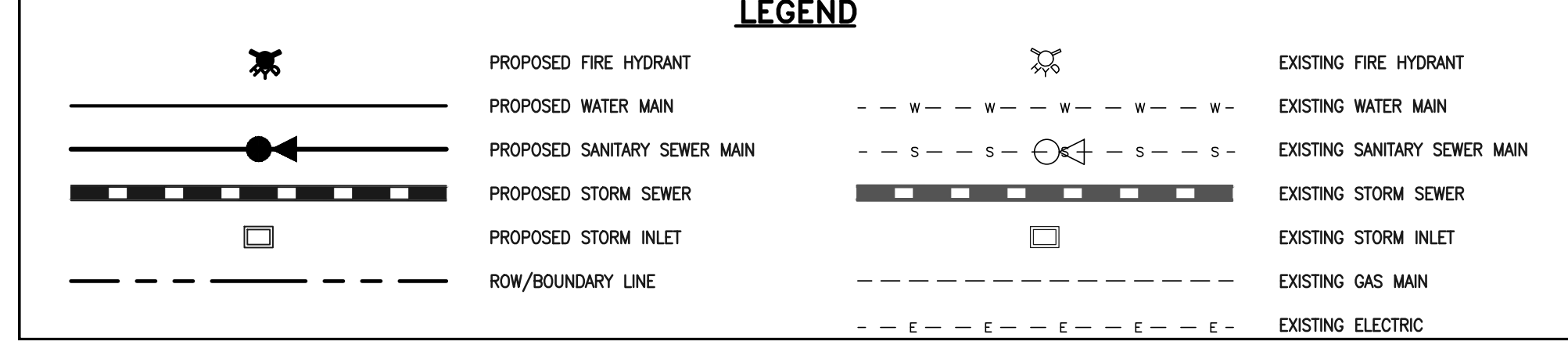
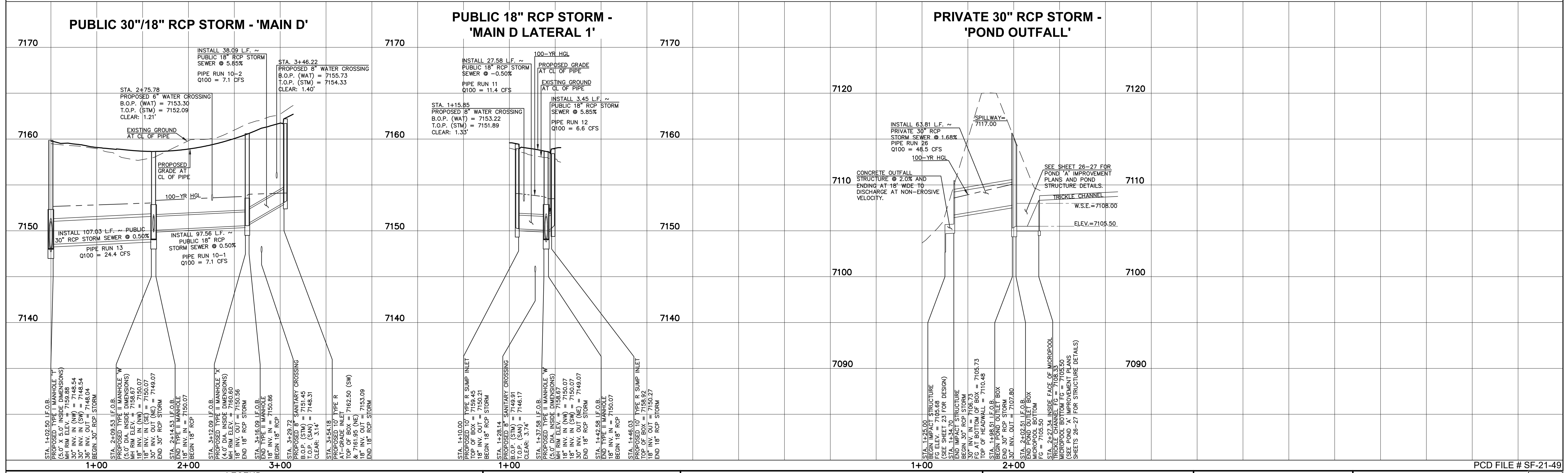
Line #	Length	Direction
L23	38.08	N78°59'33\"W
L24	107.03	S36°22'11\"W
L25	3.45	N52°08'47\"W
L26	27.58	N63°58'20\"W
L27	63.81	N45°53'34\"W

Curve #	Delta	Length	Radius
C2	13°34'46\"	97.56	411.65

**NOTES:**  
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 STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 30-31.



AS-BUILTS  
 10/23/2023  
 SF-21-49



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NO.	REVISION	DATE

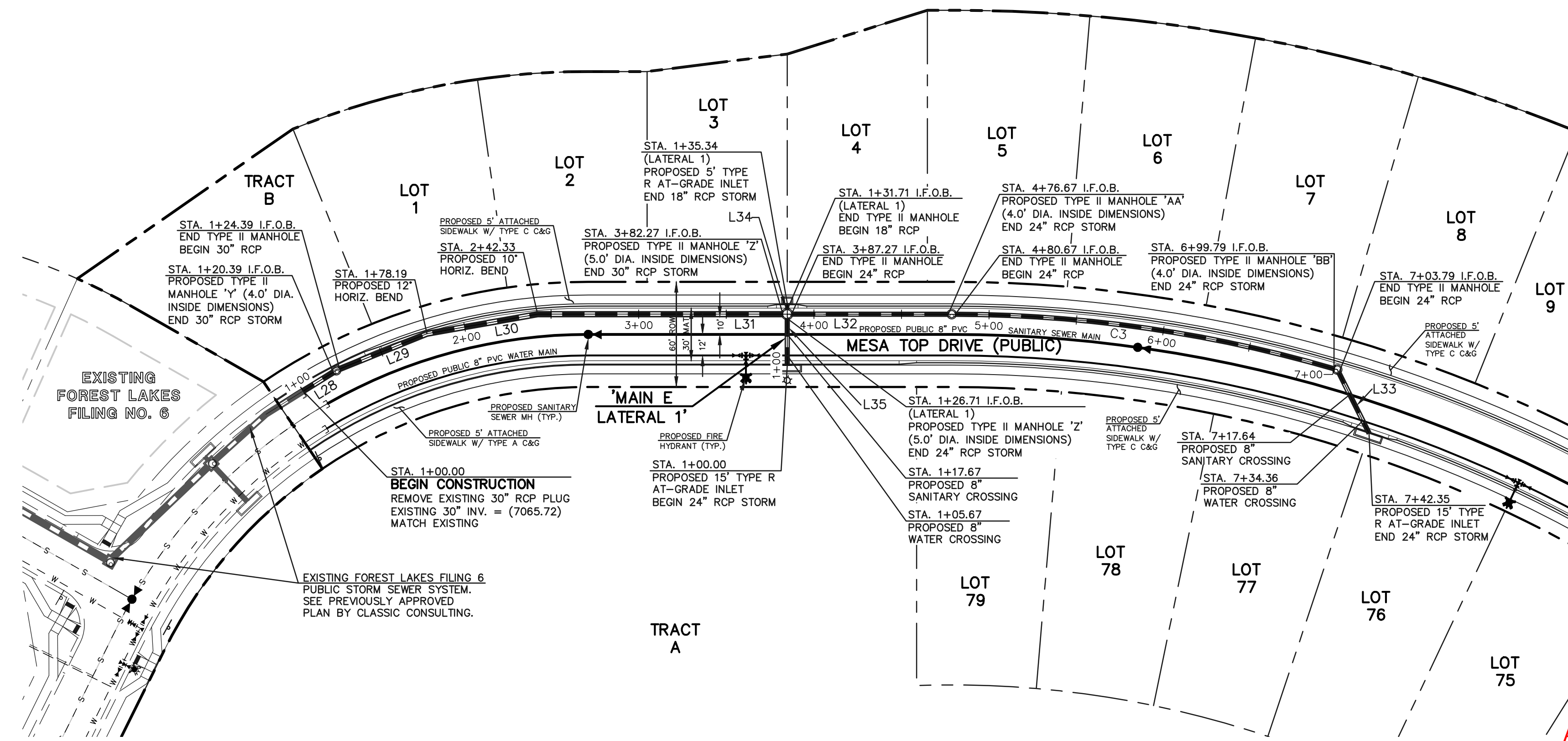
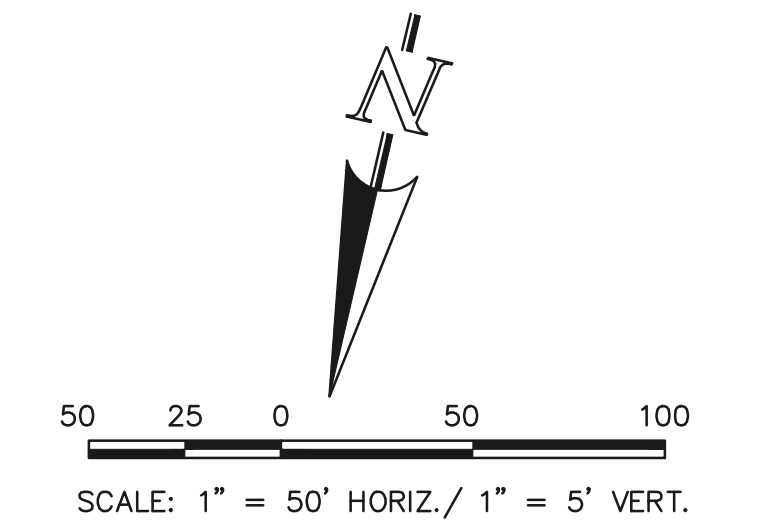
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 KYLE R. CAMPBELL, P.E. #29794  
 DATE: 03/31/22



PCD FILE # SF-21-49

FOREST LAKES FILING NO. 7			
CONSTRUCTION PLANS			
PUBLIC STORM SEWER PLAN			
'MAIN D'/MAIN D LATERAL 1'/POND OUTFALL'			
EPC 5/12/2022			
DESIGNED BY	MAL	SCALE	DATE
DRAWN BY	MES	(H) 1" = 50'	SHEET 18 OF 31
CHECKED BY	(V) 1" = 5'	JOB NO.	1175.70

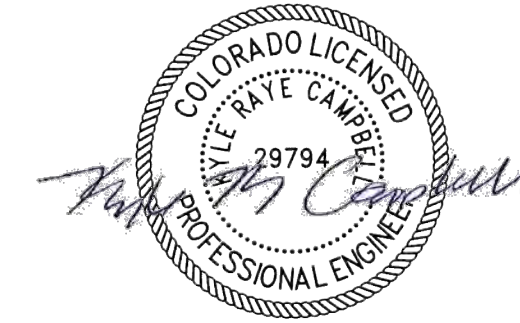
K:\1175\DWG\AWINGS\CONSTRUCT\CDX\STORMA18-117570-SW-04.dwg, 5/11/2022 9:48:59 AM, 1:1



STORM LINE TABLE		
Line #	Length	Direction
L28	20.39	N45°00'16"E
L29	53.80	N55°00'16"E
L30	64.14	N67°00'16"E
L31	139.94	N77°00'16"E
L32	89.40	N77°00'16"E
L33	38.56	S39°32'06"E
L34	3.63	N12°59'44"W
L35	26.71	N12°59'44"W

STORM CURVE TABLE			
Curve #	Delta	Length	Radius
C3	16°03'50"	219.12	781.54

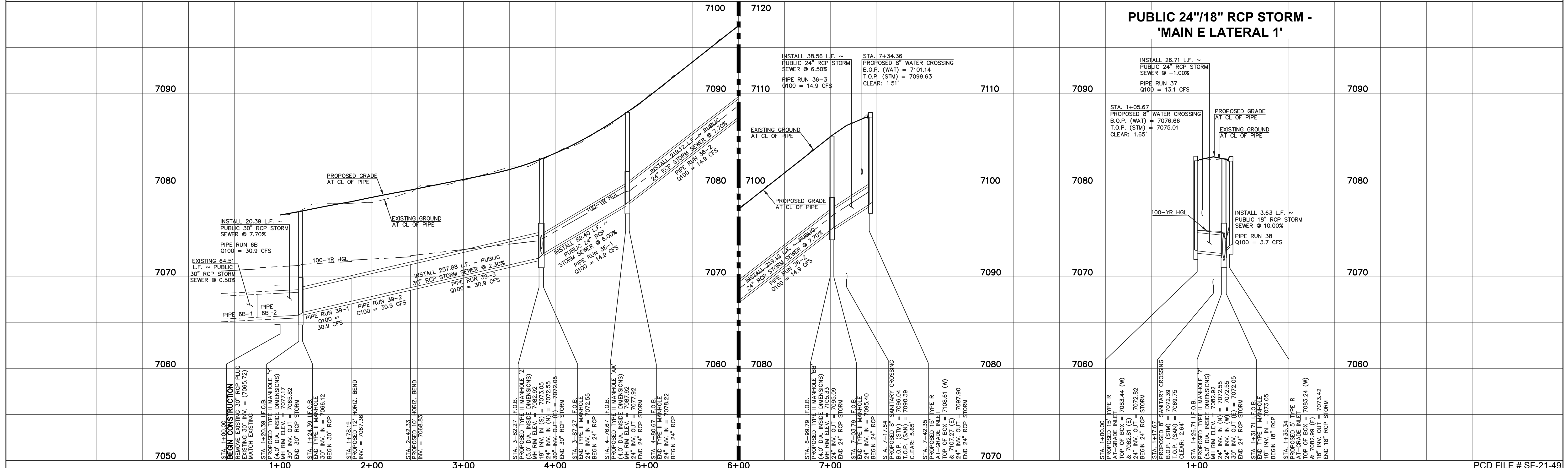
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 STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 30-31.



AS-BUILTS  
 10/23/2023  
 SF-21-49

**PUBLIC 30"/24" RCP STORM - 'MAIN E'**

**PUBLIC 24"/18" RCP STORM - 'MAIN E LATERAL 1'**



**LEGEND**

	PROPOSED FIRE HYDRANT		EXISTING FIRE HYDRANT
	PROPOSED WATER MAIN		EXISTING WATER MAIN
	PROPOSED SANITARY SEWER MAIN		EXISTING SANITARY SEWER MAIN
	PROPOSED STORM SEWER		EXISTING STORM SEWER
	PROPOSED STORM INLET		EXISTING STORM INLET
	ROW/BOUNDARY LINE		EXISTING GAS MAIN
			EXISTING ELECTRIC

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NO.	REVISION	DATE

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, P.E. #29794

DATE: 03/31/22



FOREST LAKES FILING NO. 7  
 CONSTRUCTION PLANS  
 PUBLIC STORM SEWER PLAN  
 'MAIN E' / 'MAIN E LATERAL 1'

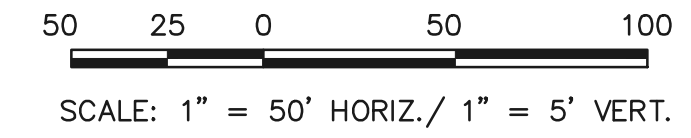
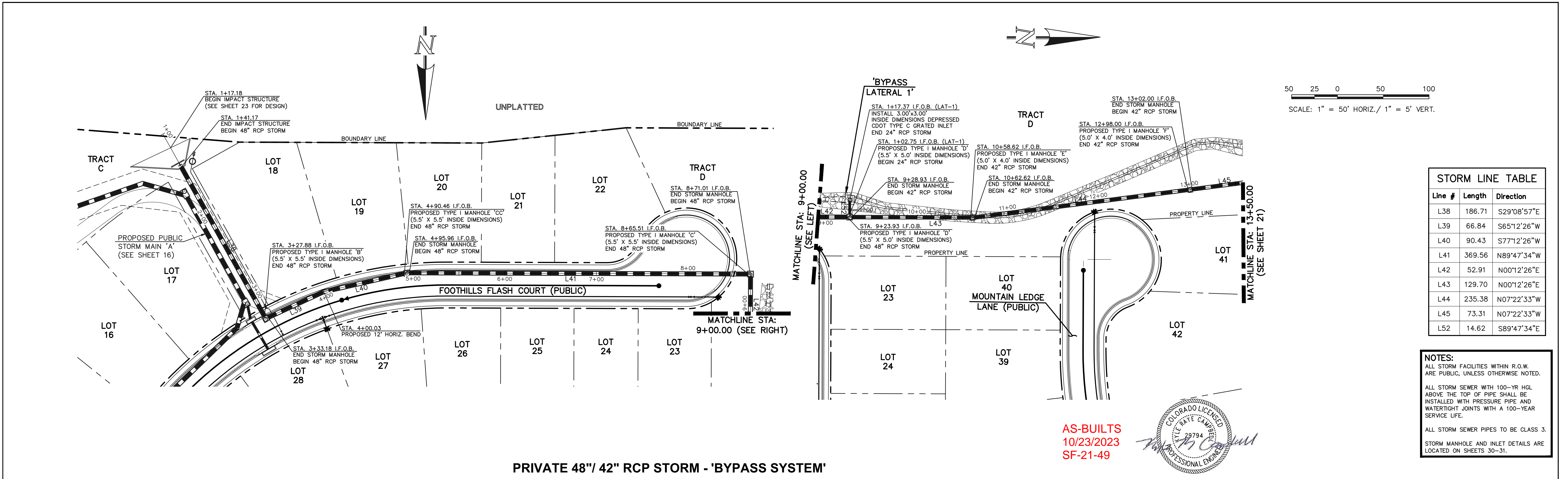
PCD FILE # SF-21-49

DESIGNED BY: MAL SCALE: (H) 1" = 50' DATE: 06/01/21  
 DRAWN BY: MES SHEET: 19 OF 31  
 CHECKED BY: (V) 1" = 5' JOB NO.: 1175.70

EPC 5/12/2022

619 N. Cascade Avenue, Suite 200 (719) 785-0790  
 Colorado Springs, Colorado 80903 (719) 785-0799 (fax)

K:\1175\DWG\CONSTRUCTION\CDX\STORMA19-117570-50-05.dwg, 5/11/2022 9:51:43 AM, 1:1



Line #	Length	Direction
L38	186.71	S29°08'57\"E
L39	66.84	S65°12'26\"W
L40	90.43	S77°12'26\"W
L41	369.56	N89°47'34\"E
L42	52.91	N00°12'26\"E
L43	129.70	N00°12'26\"E
L44	235.38	N07°22'33\"W
L45	73.31	N07°22'33\"W
L52	14.62	S89°47'34\"E

**NOTES:**

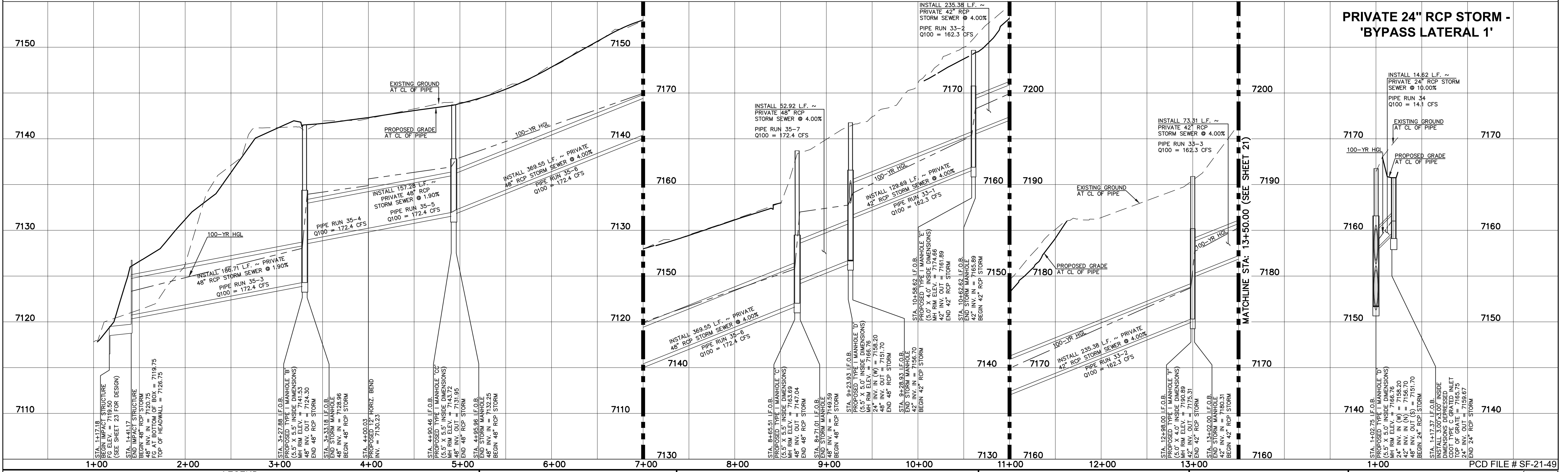
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ALL STORM SEWER PIPES TO BE CLASS 3.

STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 36-31.

**PRIVATE 48\"/ 42\" RCP STORM - 'BYPASS SYSTEM'**



**LEGEND**

	PROPOSED FIRE HYDRANT		EXISTING FIRE HYDRANT
	PROPOSED WATER MAIN		EXISTING WATER MAIN
	PROPOSED SANITARY SEWER MAIN		EXISTING SANITARY SEWER MAIN
	PROPOSED STORM SEWER		EXISTING STORM SEWER
	PROPOSED STORM INLET		EXISTING STORM INLET
	ROW/BOUNDARY LINE		EXISTING GAS MAIN
			EXISTING ELECTRIC

**811**

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UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW

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**REVIEW:**

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

**PROFESSIONAL ENGINEER**

KYLE R. C... P.E. #29794

DATE: 03/31/22

**CLASSIC CONSULTING**

619 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903

(719)785-0790  
(719)785-0799(Fax)

**FOREST LAKES FILING NO. 7**

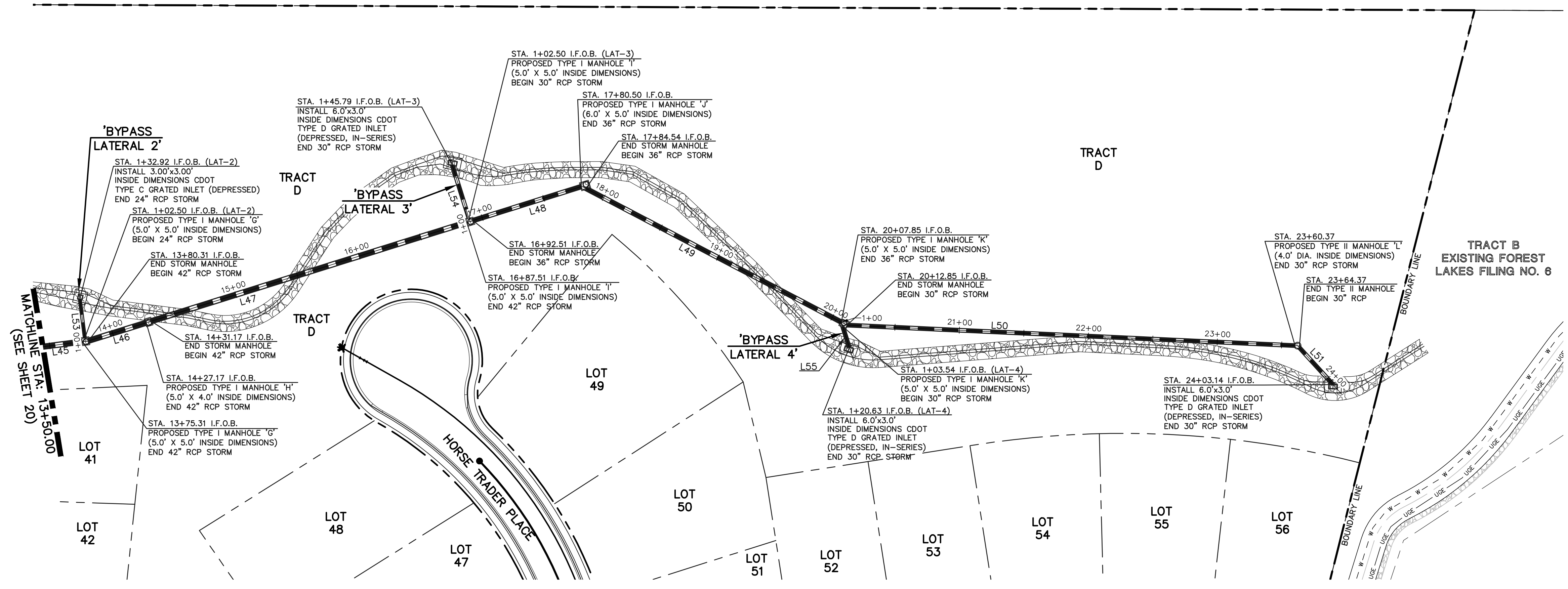
**CONSTRUCTION PLANS**

PUBLIC STORM SEWER PLAN

'BYPASS SYSTEM' STA. 1+00-13+50 / 'BYPASS LATERAL 1' EPC 5/12/2022

DESIGNED BY	MAL	SCALE	DATE	06/01/21
DRAWN BY	MES	(H) 1" = 50'	SHEET	20 OF 31
CHECKED BY	(V) 1" = 5'	JOB NO.	1175.70	

K:\1175\DWG\AWINGS\CONSTRUCT\CDX\STORM\CD-117570-530-06.dwg, 5/11/2022 9:53:52 AM, 1:1



Line #	Length	Direction
L45	73.31	N07°22'33"W
L46	46.86	N17°22'33"W
L47	256.34	N17°22'33"W
L48	87.99	N17°22'33"W
L49	223.31	N27°37'09"E
L50	347.52	S02°37'09"W
L51	38.77	S47°37'09"W
L53	30.42	N82°37'27"E
L54	43.29	N72°37'27"E
L55	17.09	S72°37'09"W

**NOTES:**  
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STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 30-31.



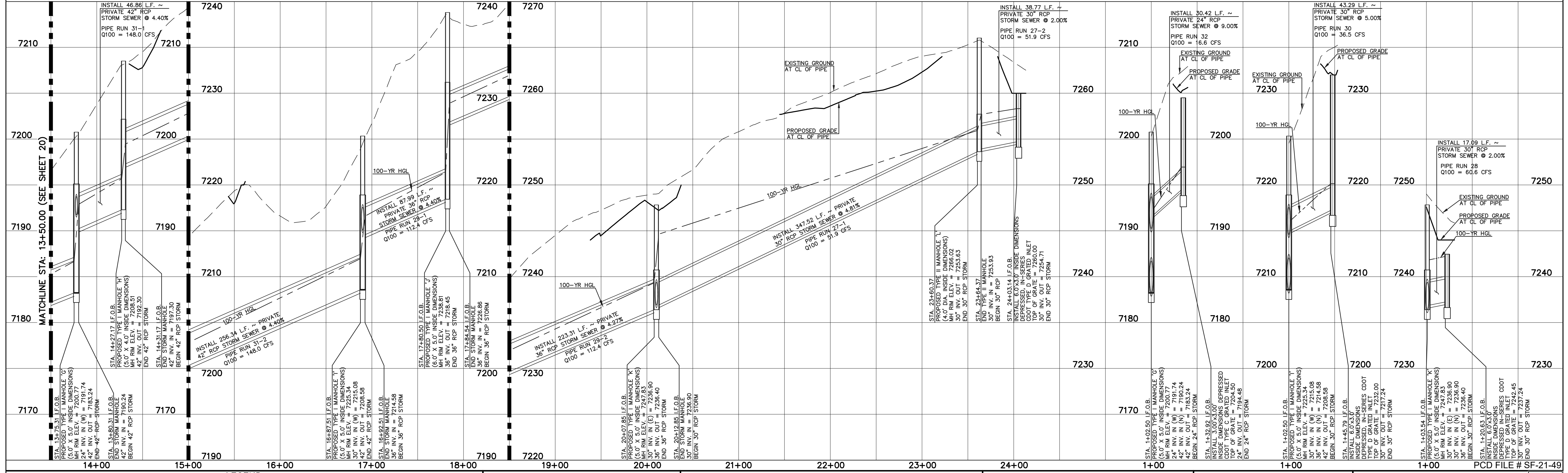
AS-BUILTS  
10/23/2023  
SF-21-49

**PRIVATE 42"/ 36"/ 30" RCP STORM - 'BYPASS SYSTEM'**

**PRIVATE 24" RCP STORM - 'BYPASS LATERAL 2'**

**PRIVATE 30" RCP STORM - 'BYPASS LATERAL 3'**

**PRIVATE 30" RCP STORM - 'BYPASS LATERAL 4'**



**LEGEND**

	PROPOSED FIRE HYDRANT		EXISTING FIRE HYDRANT
	PROPOSED WATER MAIN		EXISTING WATER MAIN
	PROPOSED SANITARY SEWER MAIN		EXISTING SANITARY SEWER MAIN
	PROPOSED STORM SEWER		EXISTING STORM SEWER
	PROPOSED STORM INLET		EXISTING STORM INLET
	ROW/BOUNDARY LINE		EXISTING GAS MAIN
			EXISTING ELECTRIC

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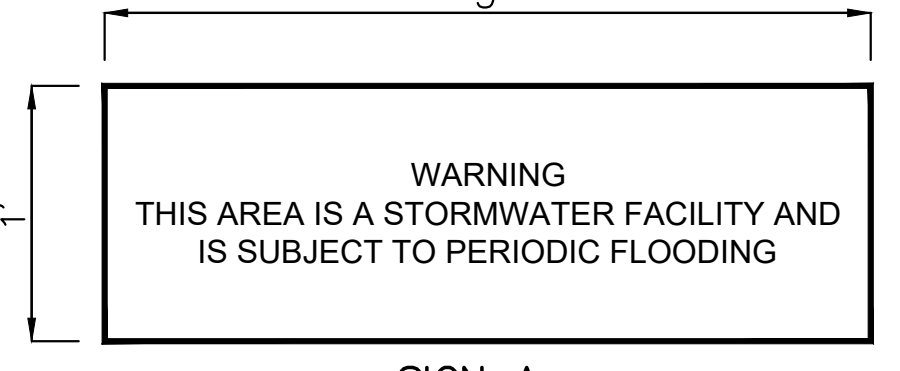
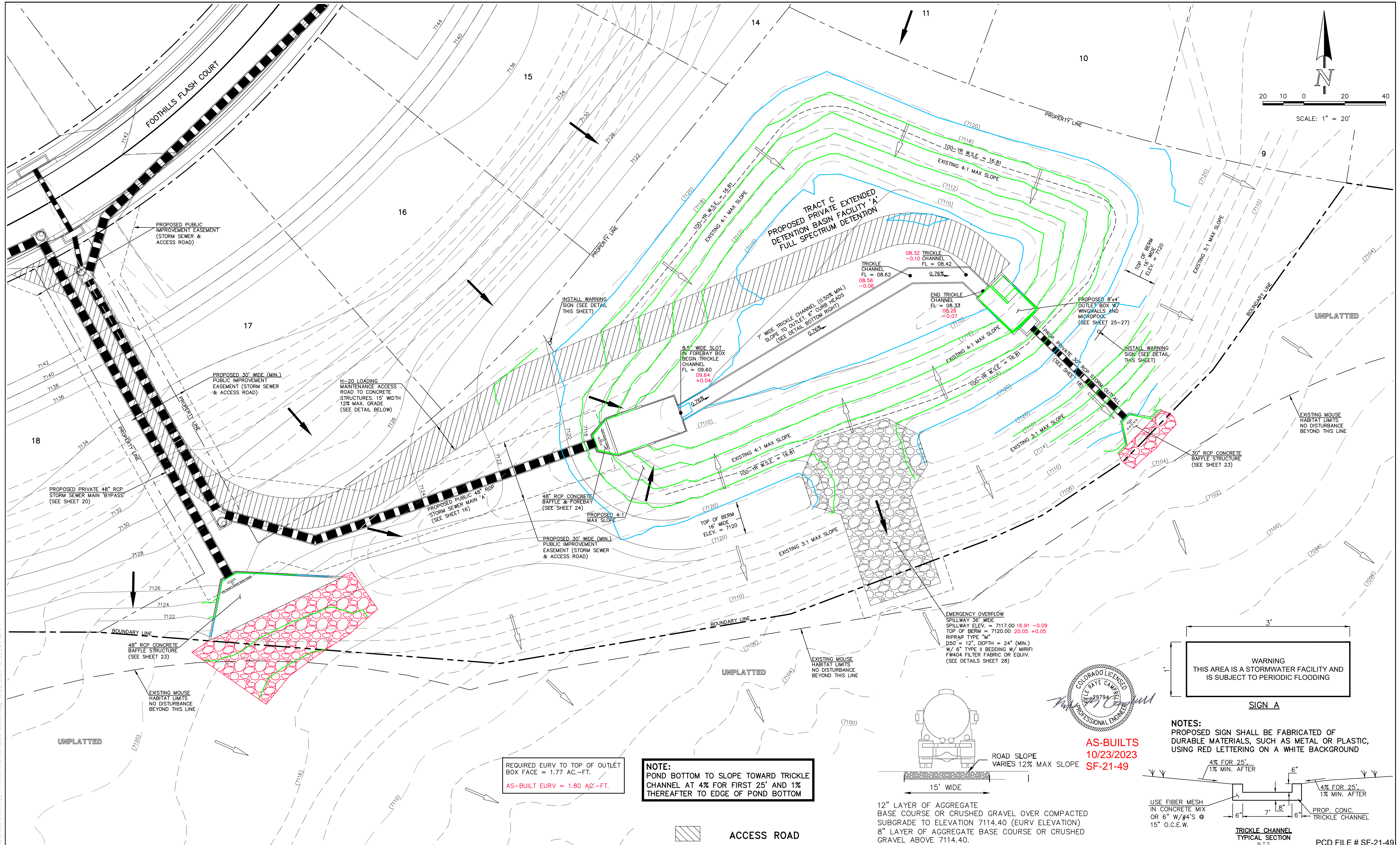
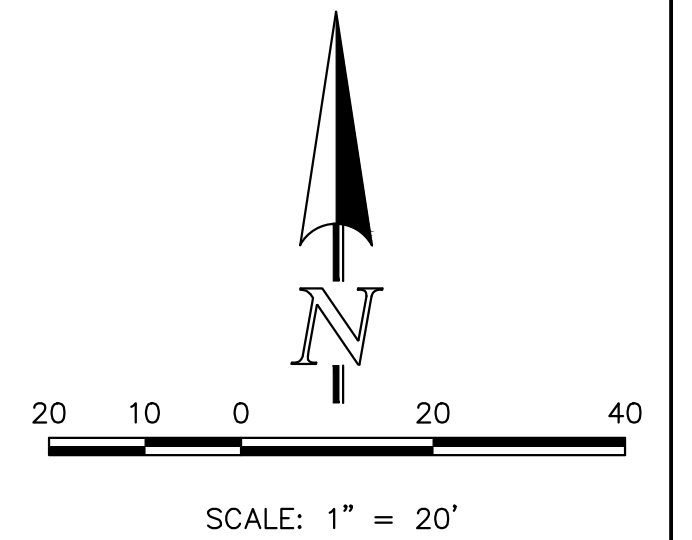
NO.	REVISION	DATE

REVIEW:  
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC  
KYLE R. CAMPBELL, P.E. #29794  
DATE: 03/31/22

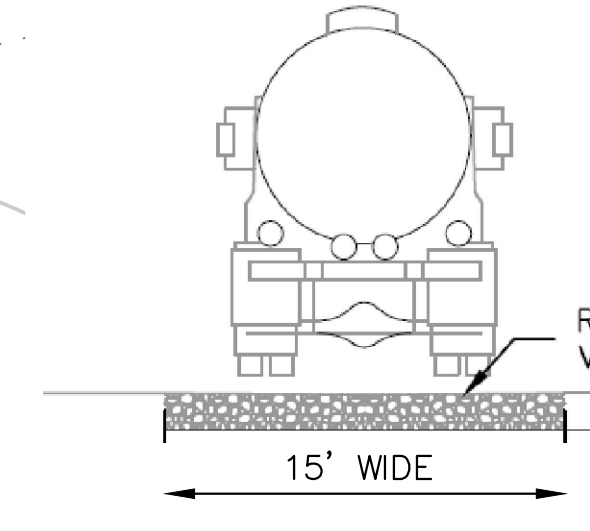


**FOREST LAKES FILING NO. 7**  
CONSTRUCTION PLANS  
PUBLIC STORM SEWER PLAN  
'BYPASS SYSTEM' STA. 13+50-00 / 'BYPASS LATERALS 2-4'

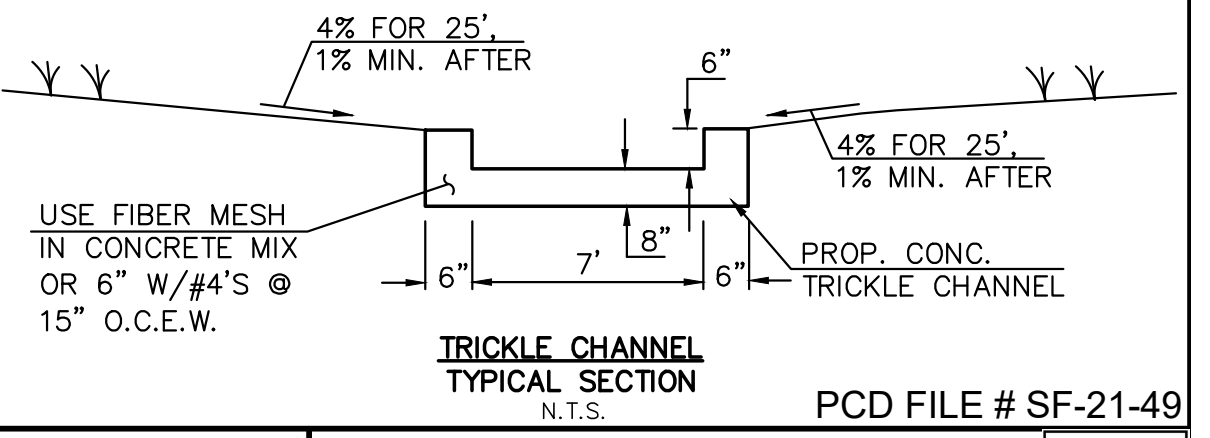
DESIGNED BY	MAL	SCALE	(H) 1" = 50'	DATE	06/01/21
DRAWN BY	MES	(V) 1" = 5'	SHEET	21	OF 31
CHECKED BY	(V)	JOB NO.	1175.70		



**NOTES:**  
 PROPOSED SIGN SHALL BE FABRICATED OF DURABLE MATERIALS, SUCH AS METAL OR PLASTIC, USING RED LETTERING ON A WHITE BACKGROUND



12" LAYER OF AGGREGATE BASE COURSE OR CRUSHED GRAVEL OVER COMPACTED SUBGRADE TO ELEVATION 7114.40 (EURV ELEVATION)  
 8" LAYER OF AGGREGATE BASE COURSE OR CRUSHED GRAVEL ABOVE 7114.40.



TRICKLE CHANNEL TYPICAL SECTION N.T.S. PCD FILE # SF-21-49

REQUIRED EURV TO TOP OF OUTLET BOX FACE = 1.77 AC.-FT.  
**AS-BUILT EURV = 1.80 AC.-FT.**

**NOTE:**  
 POND BOTTOM TO SLOPE TOWARD TRICKLE CHANNEL AT 4% FOR FIRST 25' AND 1% THEREAFTER TO EDGE OF POND BOTTOM

**ACCESS ROAD**

LEGEND	
	PROPOSED FIRE HYDRANT
	PROPOSED WATER MAIN
	PROPOSED SANITARY SEWER MAIN
	PROPOSED STORM SEWER
	PROPOSED STORM INLET
	ROW/BOUNDARY LINE
	EXISTING FIRE HYDRANT
	EXISTING WATER MAIN
	EXISTING SANITARY SEWER MAIN
	EXISTING STORM SEWER
	EXISTING STORM INLET
	EXISTING GAS MAIN
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NO.	REVISION	DATE

REVIEW:  
 PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, P.E. #29794

DATE: 03/31/22

**CLASSIC CONSULTING**

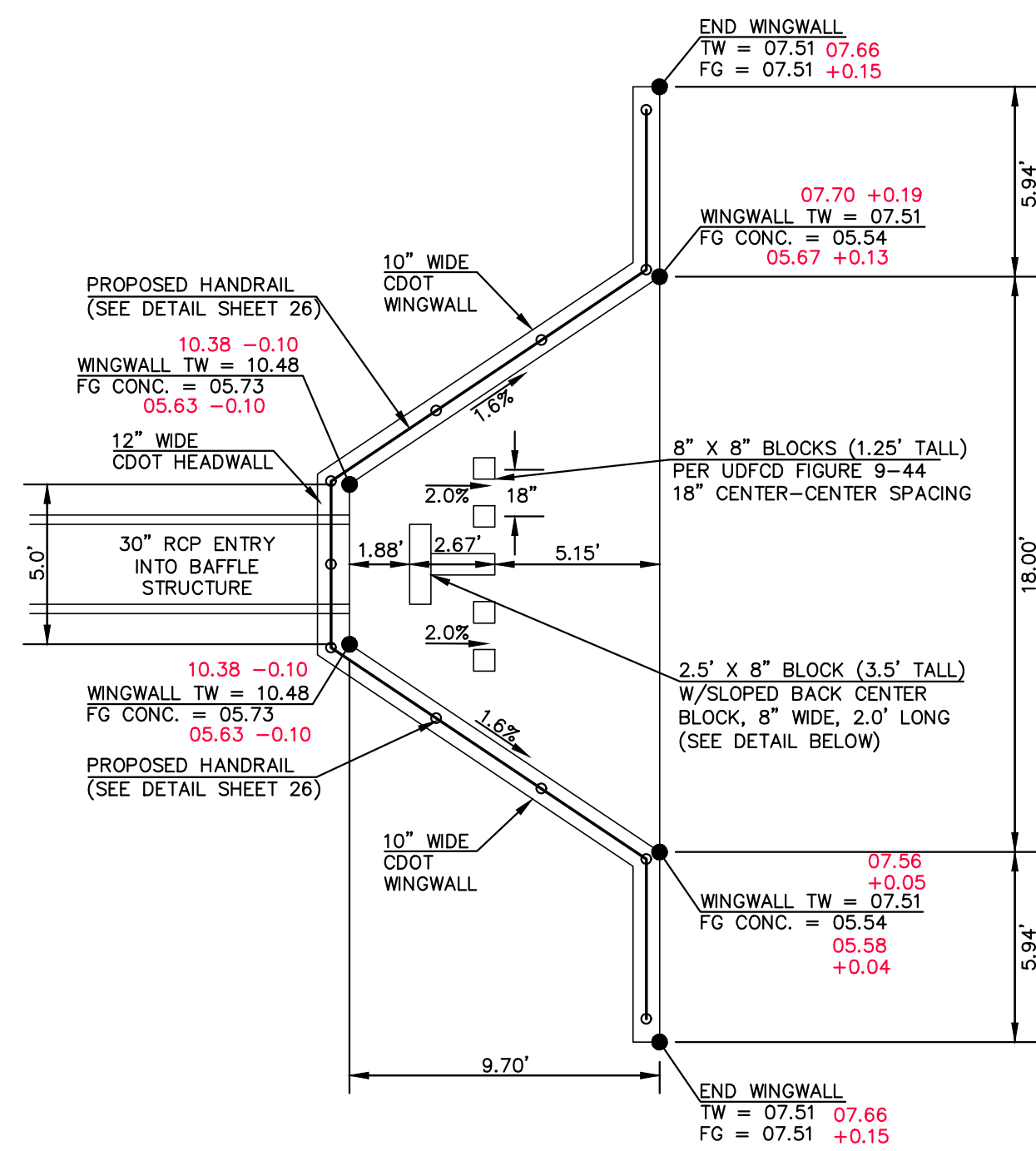
619 N. Cascade Avenue, Suite 200  
 Colorado Springs, Colorado 80903

(719)785-0790  
 (719)785-0799(fax)

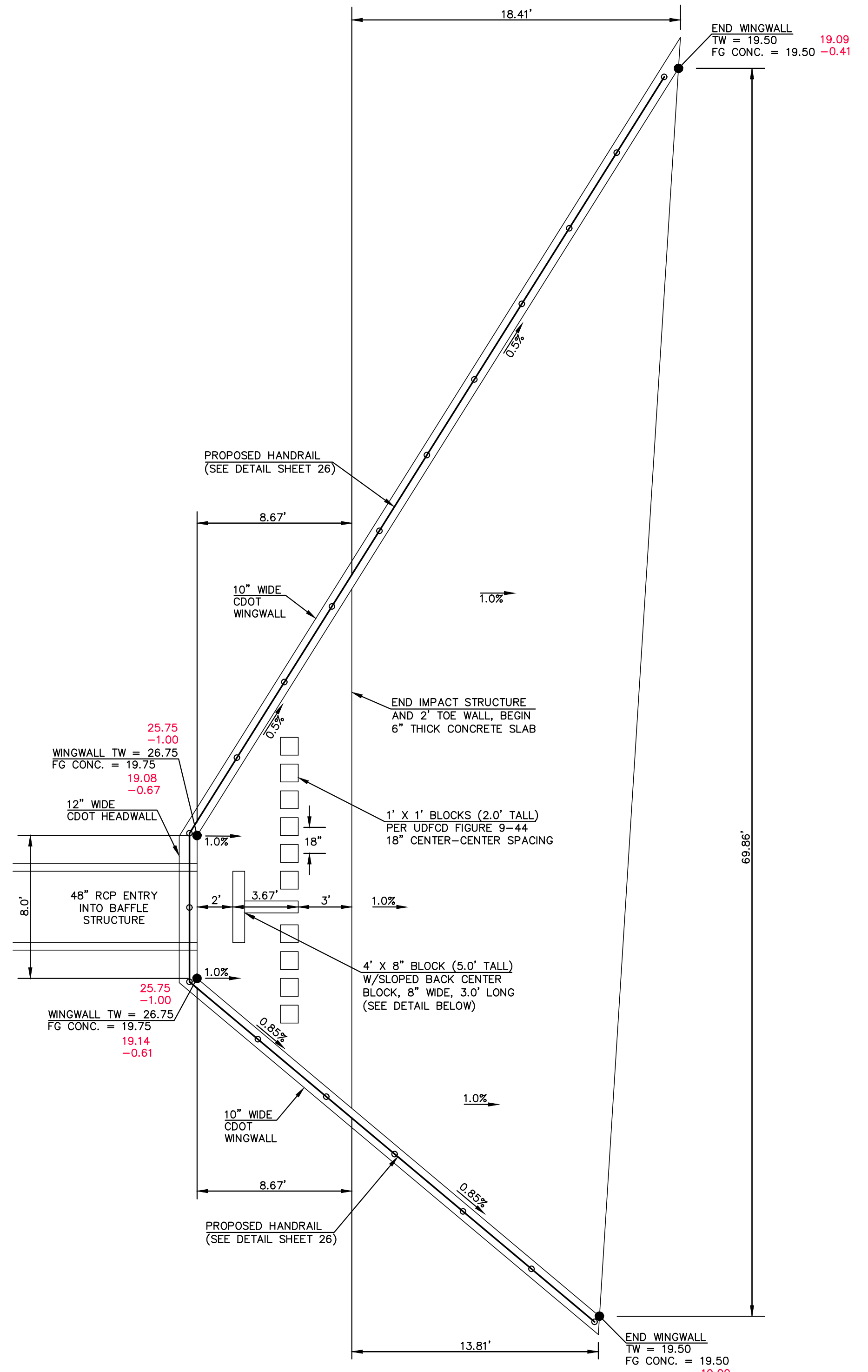
FOREST LAKES FILING NO. 7  
 CONSTRUCTION PLANS  
 PRIVATE POND "A"  
 EDB - FULL SPECTRUM DETENTION

DESIGNED BY	MAL	SCALE	DATE
DRAWN BY	MES	(H) 1" = 20'	SHEET 22 OF 31
CHECKED BY	(V) 1" = N/A	JOB NO.	1175.70

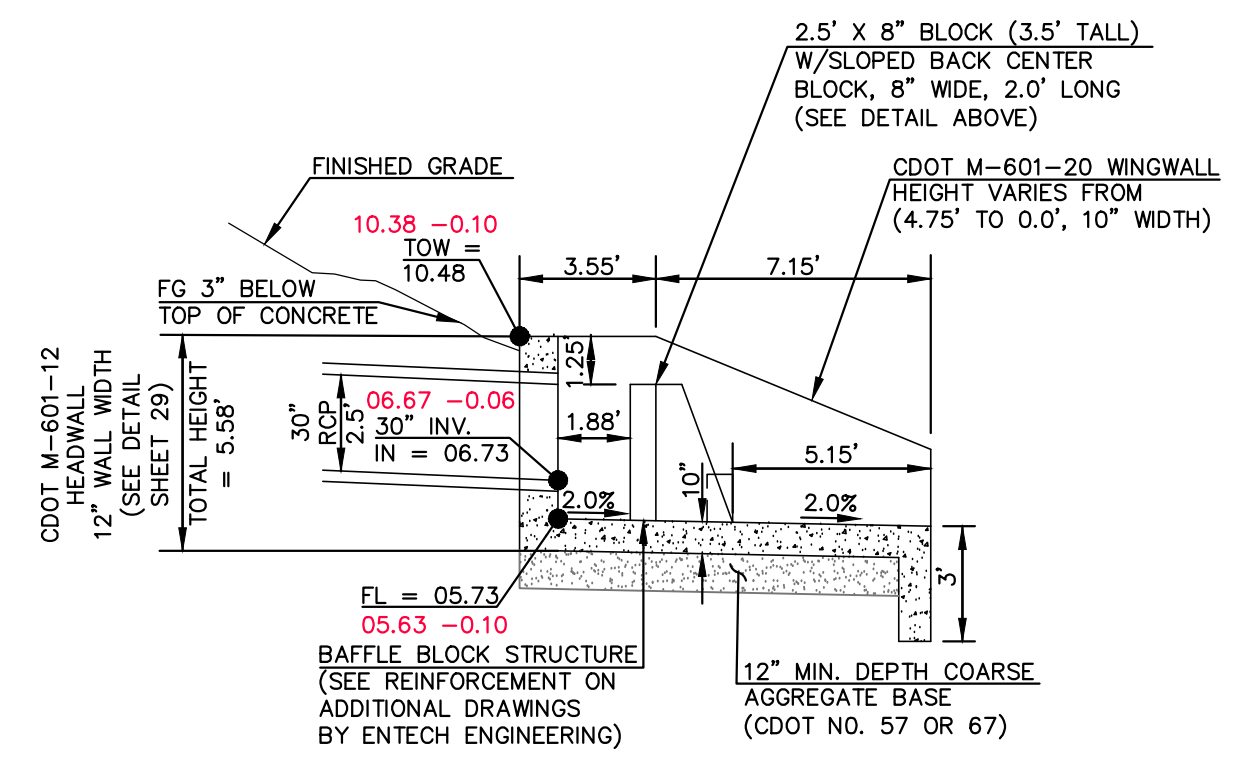
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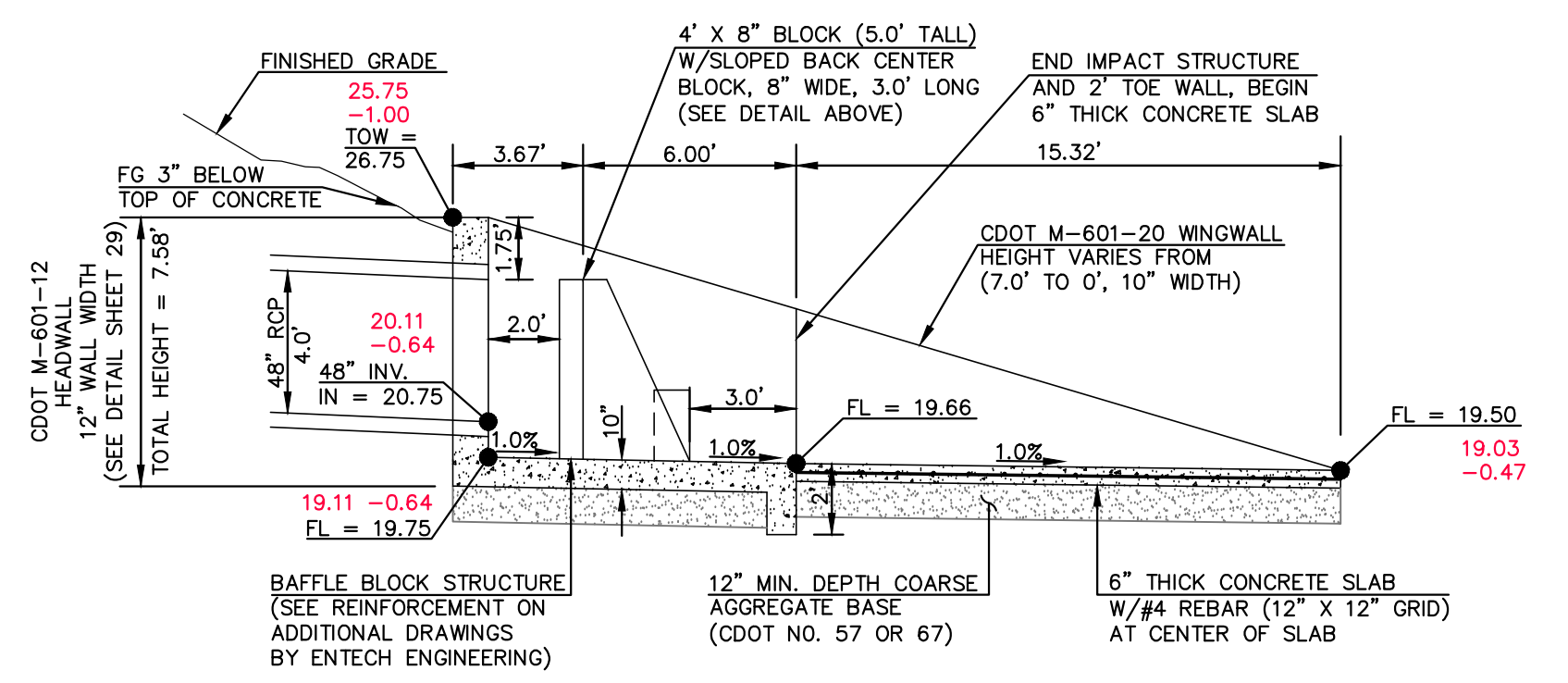
OUTFALL (POND A) 30" RCP BAFFLE STRUCTURE - PLAN VIEW  
SCALE 1" = 5'



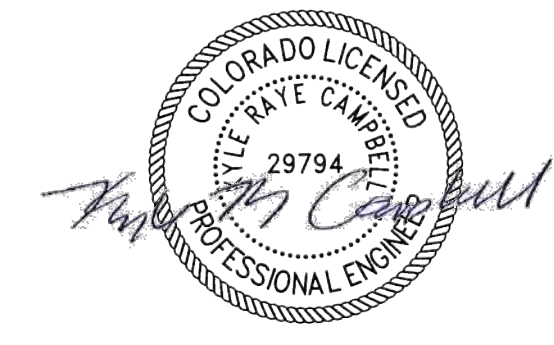
BYPASS MAIN 48" RCP BAFFLE STRUCTURE - PLAN VIEW  
SCALE 1" = 5'



OUTFALL 30" RCP BAFFLE STRUCTURE - PROFILE VIEW  
SCALE 1" = 5'



BYPASS MAIN 48" RCP BAFFLE STRUCTURE - PROFILE VIEW  
SCALE 1" = 5'



AS-BUILTS  
10/23/2023  
SF-21-49

PCD FILE # SF-21-49

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KYLE R. CAMPBELL  
P.E. #29794

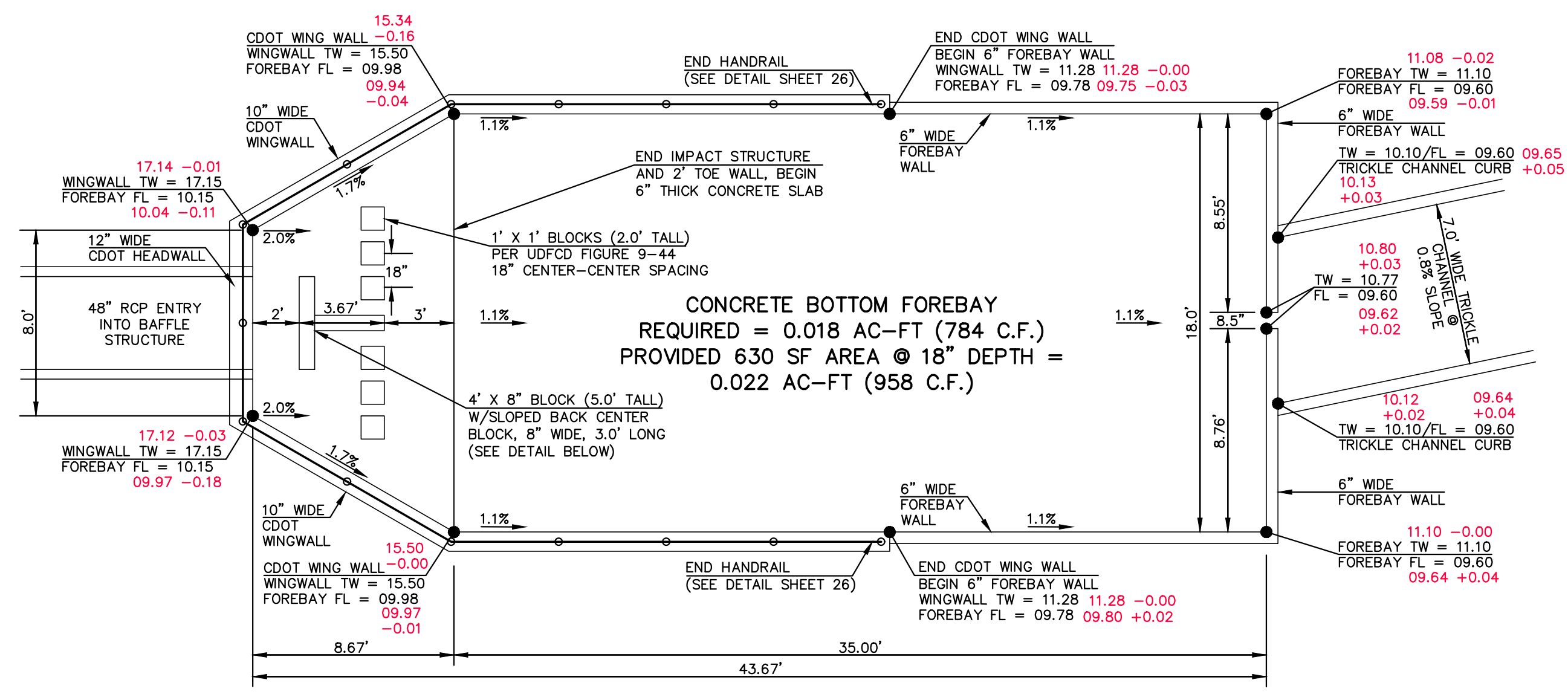
03/31/22



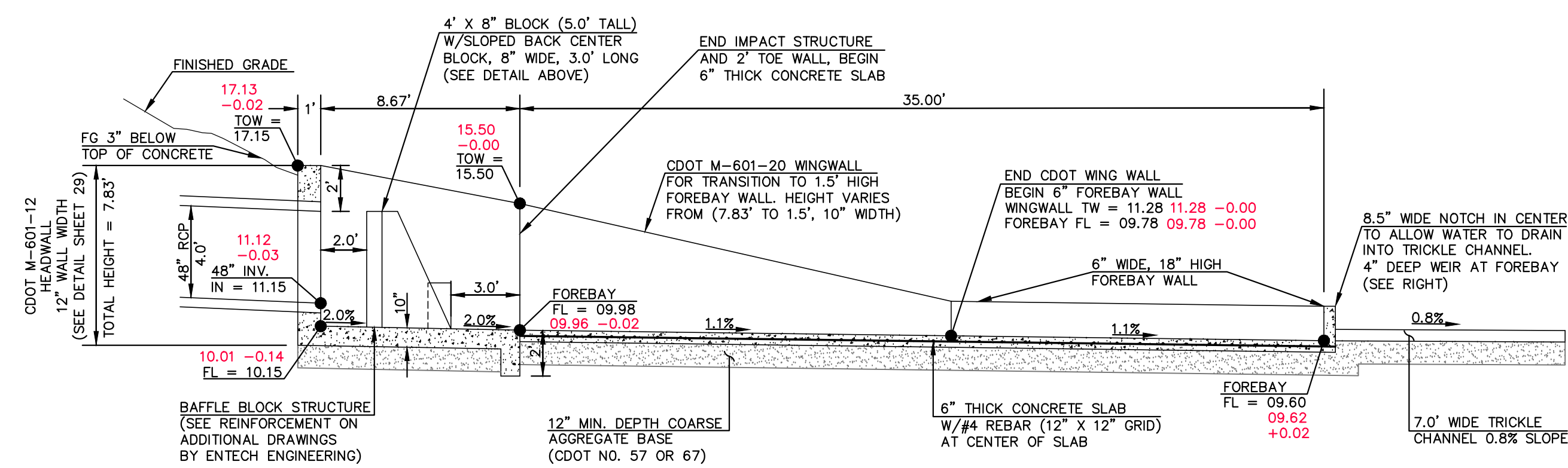
FOREST LAKES FILING NO. 7			
CONSTRUCTION PLANS			
OUTFALL L- 30" IMPACT STRUCTURE			
BYPASS MAIN - 48" IMPACT STRUCTURE			
DESIGNED BY	MAL	SCALE	DATE 11/23/21
DRAWN BY	MES	(H) 1" = 5'	SHEET 23 OF 31
CHECKED BY	(V) 1" = N/A	JOB NO.	1175.70

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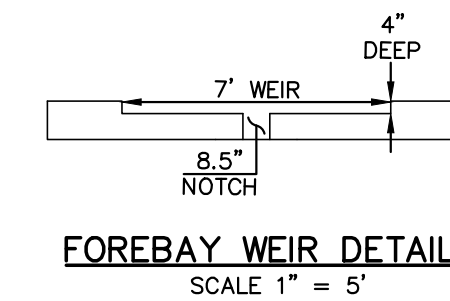
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MAIN 'A' 48" RCP FOREBAY & BAFFLE STRUCTURE - PLAN VIEW  
SCALE 1" = 5'



MAIN 'A' 48" RCP FOREBAY & BAFFLE STRUCTURE - PROFILE VIEW  
SCALE 1" = 5'



FOREBAY WEIR DETAIL  
SCALE 1" = 5'



AS-BUILTS  
10/23/2023  
SF-21-49

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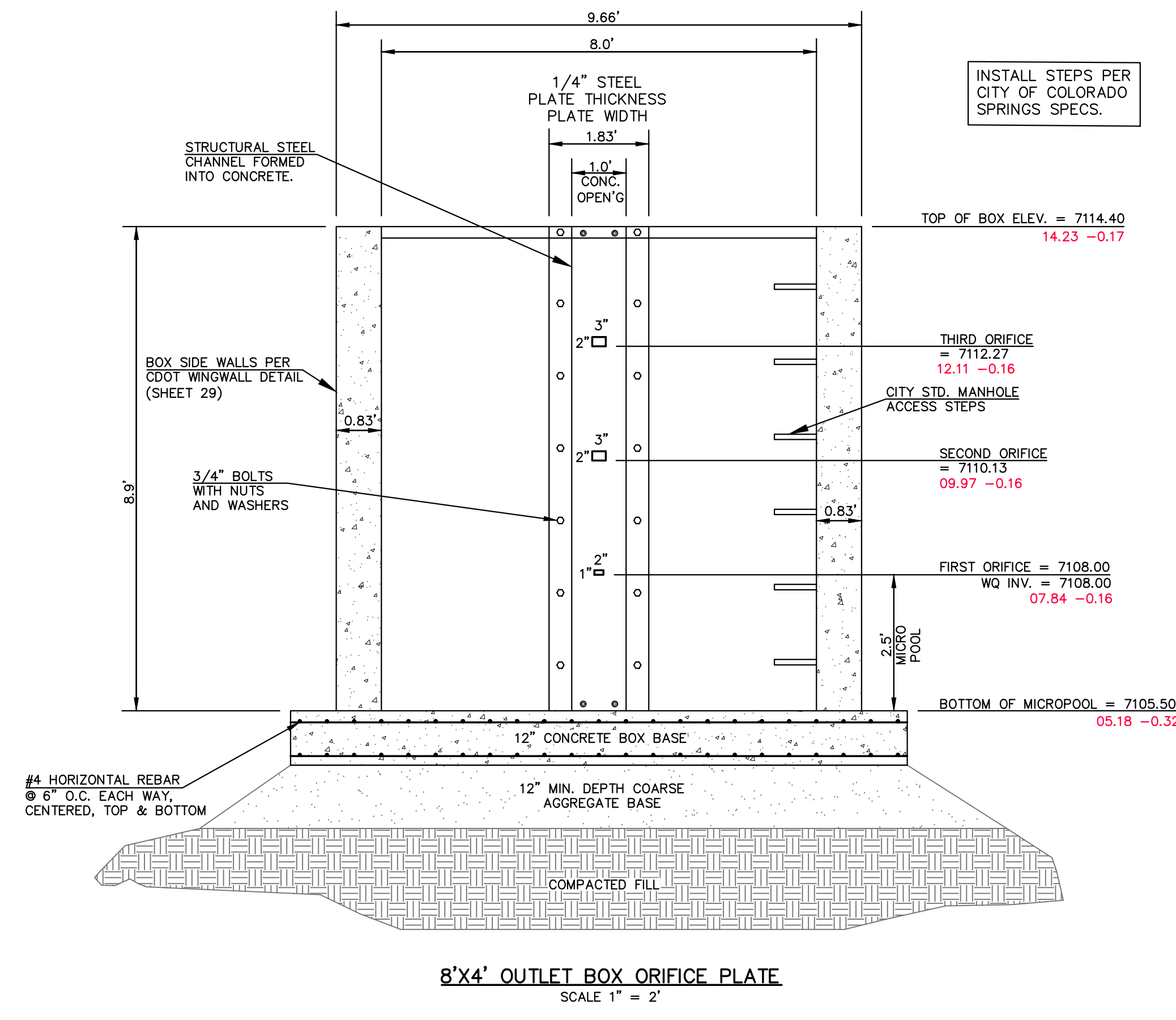
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DATE 03/31/22



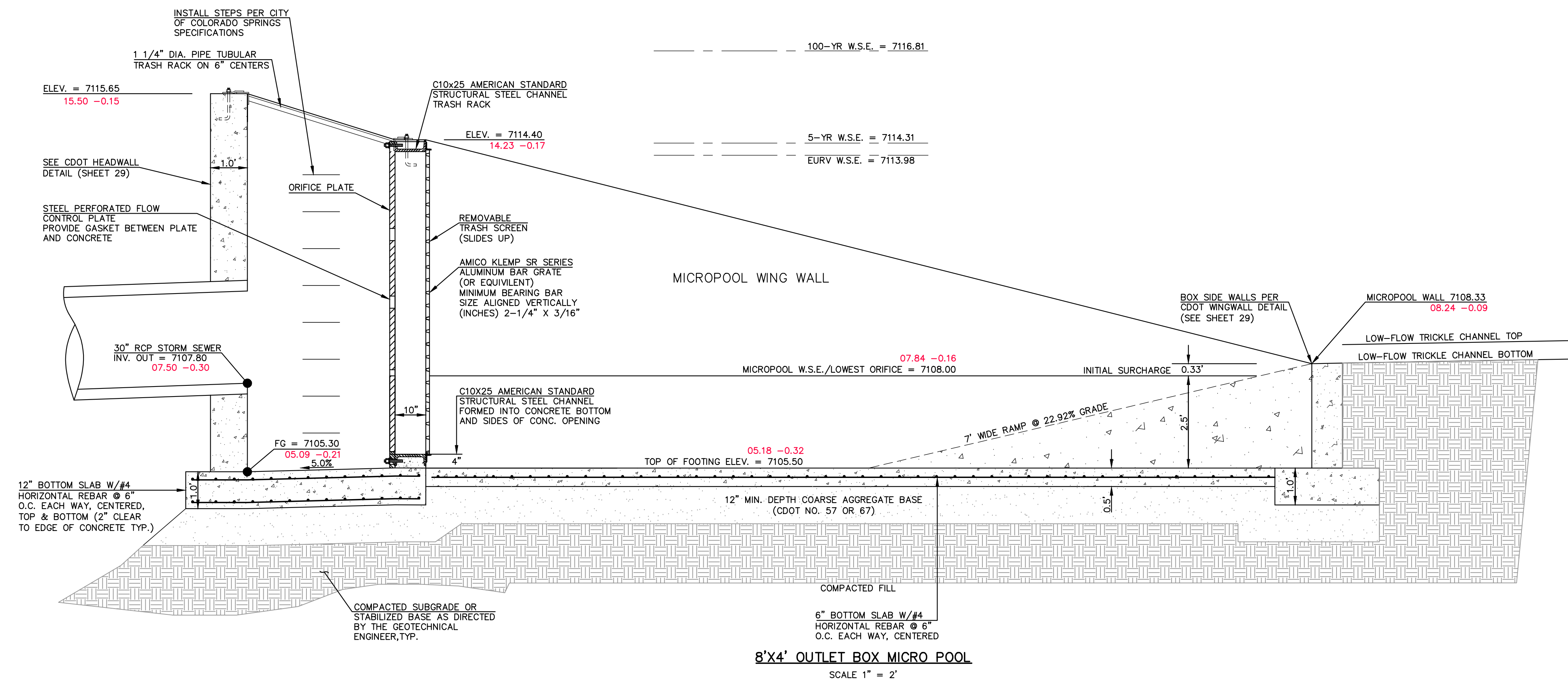
FOREST LAKES FILING NO. 7 CONSTRUCTION PLANS			
MAIN 'A' - 48" IMPACT STRUCTURE & FOREBAY			
DESIGNED BY	MAL	SCALE	DATE 11/23/21
DRAWN BY	MES	(H) 1" = 5'	SHEET 24 OF 31
CHECKED BY	(V) 1" = N/A	JOB NO.	1175.70







**8'X4' OUTLET BOX ORIFICE PLATE**  
SCALE 1" = 2'



**8'X4' OUTLET BOX MICRO POOL**  
SCALE 1" = 2'



**AS-BUILTS**  
10/23/2023  
SF-21-49

PCD FILE # SF-21-49

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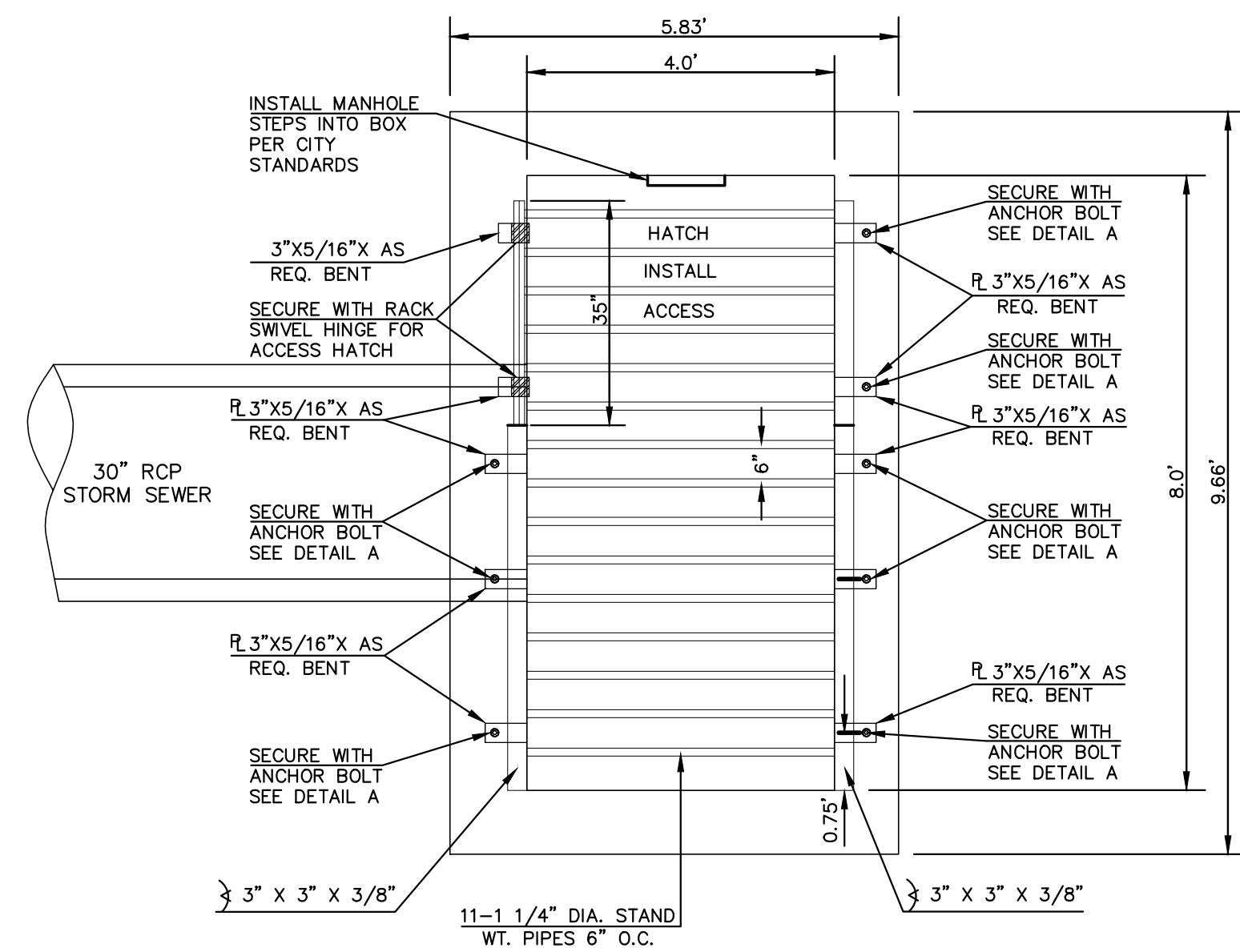
NO.	REVISION	DATE

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DATE 03/31/22

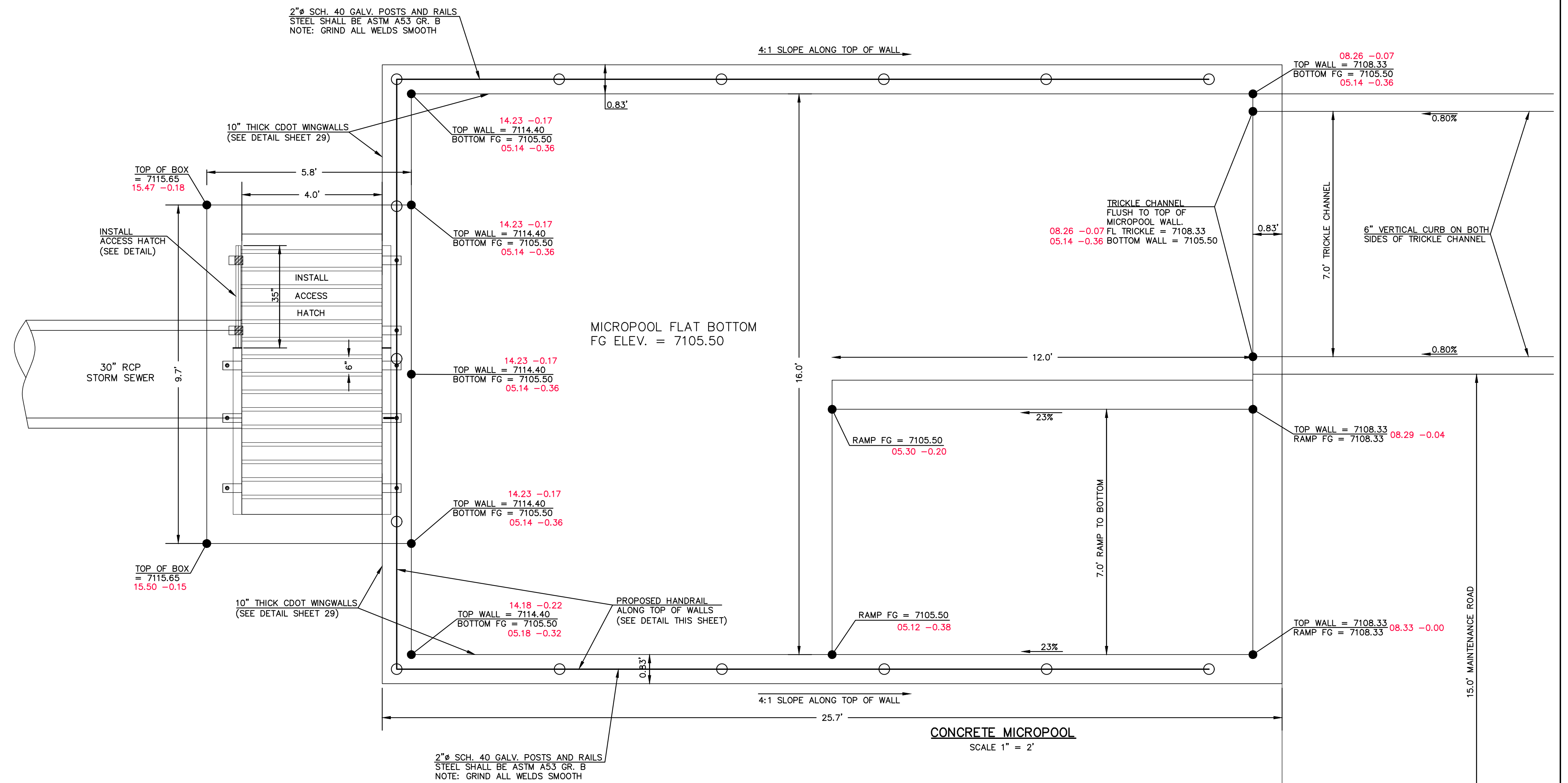


FOREST LAKES FILING NO. 7 CONSTRUCTION PLANS			
POND OUTLET BOX - PROFILE VIEW			
DESIGNED BY	MAL	SCALE	DATE 11/23/21
DRAWN BY	ME'S	(H) 1" = 2'	SHEET 25 OF 31
CHECKED BY	(V) 1" = N/A	JOB NO.	1175.70

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**8'x4' OUTLET BOX OVERFLOW TRASH RACK**  
SCALE 1" = 2'



**CONCRETE MICROPOOL**  
SCALE 1" = 2'

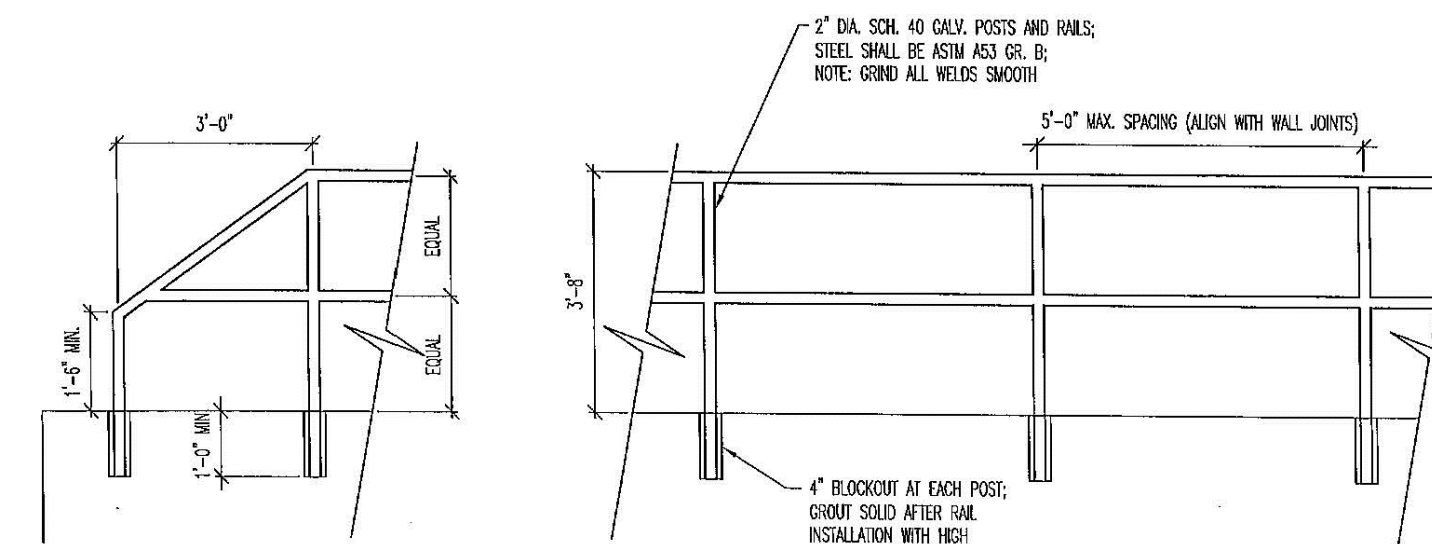
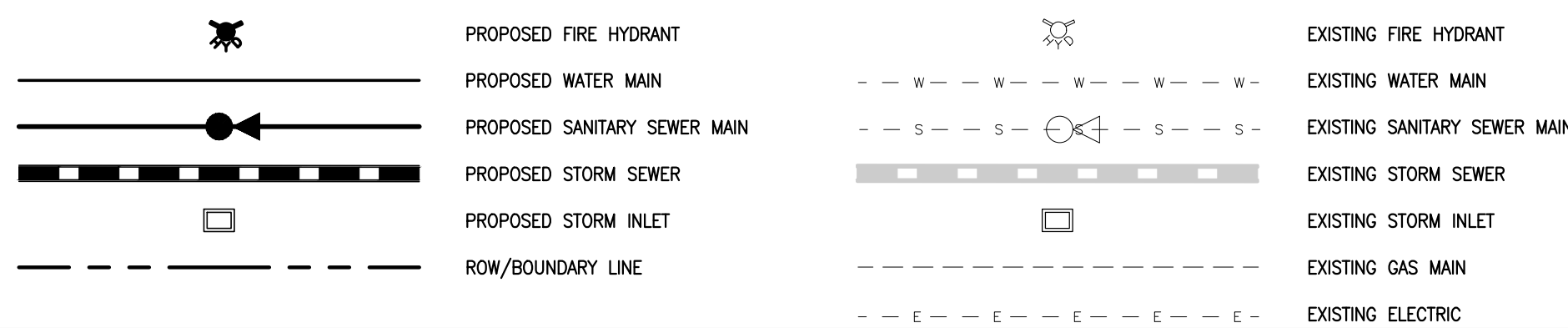
**STEEL FABRICATION NOTES:**

- FABRICATED STEEL STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH AISC AND AWS SPECIFICATIONS.
- THE OUTLET STRUCTURE BARGRATE IS DESIGNED FOR A VERTICAL LOAD OF 300 LBS./SQ. FT.
- ALL STRUCTURAL STEEL SHAPES TO INCLUDE: ANGLE, PLATE, AND BAR SHALL MEET ASTM A36 SPECIFICATIONS, FY = 36 KSI MINIMUM. STRUCTURAL TUBING SHALL MEET ASTM A500 GRADE B SPECIFICATIONS, FY = 46 KSI MINIMUM. STEEL PIPE SHALL BE STANDARD WEIGHT PIPE ASTM A53 GRADE B, FY = 35 KSI MINIMUM.
- WELDS NOT INDICATED SHALL BE 1/8" MINIMUM FILLET OR GROOVE, CONTINUOUS SO FAR AS POSSIBLE, CONSIDER VANDALISM LOADS, WELD ACCORDINGLY AT CRITICAL LOCATIONS.
- PRIOR TO PAINTING REMOVE ALL OIL, SCALE, AND SLAG, GRIND OFF BURRS AND SHARP EDGES.
- PAINT WITH ONE SHOP COAT OF ZINC RICH PRIMER AND TWO COATS OF ALUMINUM PAINT, AASHTO M-69

**OVERFLOW TRASH RACKS:**

- ALL TRASH RACKS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED AND LOCKABLE ACCESS PANELS (AS SHOWN)
- TRASH RACKS SHALL BE STAINLESS STEEL, ALUMINUM, OR STEEL. STEEL TRASH RACKS SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
- TRASH RACKS SHALL BE DESIGNED SUCH THAT THE DIAGONAL DIMENSION OF EACH OPENING IS SMALLER THAN THE DIAMETER OF THE OUTLET PIPE.
- STRUCTURAL DESIGN OF THE TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.

**LEGEND**

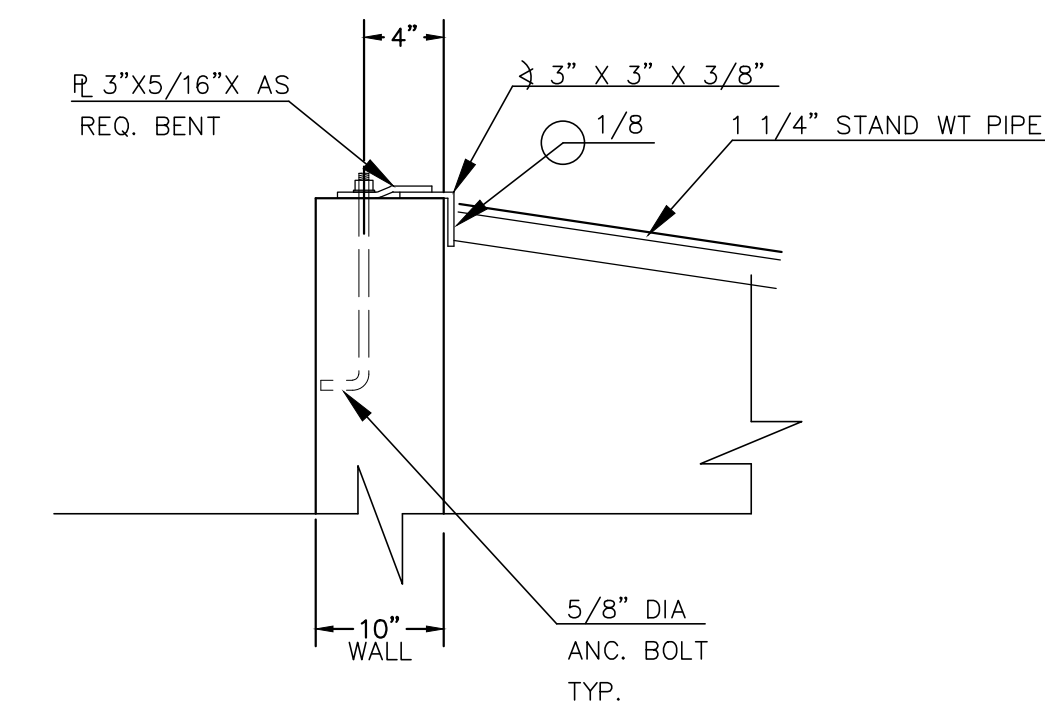


**MICROPOOL RAILING**

**NOTES:**

- WELD PLATES MAY BE SUBSTITUTED FOR PIPE EMBEDMENT.
- DESIGN CRITERIA SHALL BE IN ACCORDANCE WITH AASHTO STANDARDS.
- HANDRAIL DESIGN SHALL BE COMPATIBLE WITH THE DESIGN OF THE WINGWALLS AND HEADWALLS.
- RAILING POSTS SHALL BE SET TO NORMAL TO GRADE. RAILS SHALL RUN PARALLEL TO THE SLOPES OF TOPS OF THE WALLS.
- ALL RAILS SHALL HAVE EXPANSION JOINTS SPACED AT 40'-0" MAX. JOINT ENDS SHALL BE FREE OF ANY SHARP EDGES OR CORNERS.
- HANDRAIL FINISH SHALL BE ONE COAT RED METAL PRIMER AND TWO COATS ENAMEL (RUSTOLEUM OR EQUIVALENT). COLOR SHALL BE APPROVED BY ENGINEER PRIOR TO APPLICATION.

**INLET/OUTLET BOX RAILING**  
N.T.S.



**ANCHOR BOLT/GRATE DETAIL**  
N.T.S.



**AS-BUILTS**  
10/23/2023  
SF-21-49

PCD FILE # SF-21-49

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KYLE R. CAMPBELL P.E. #29794

03/31/22 DATE

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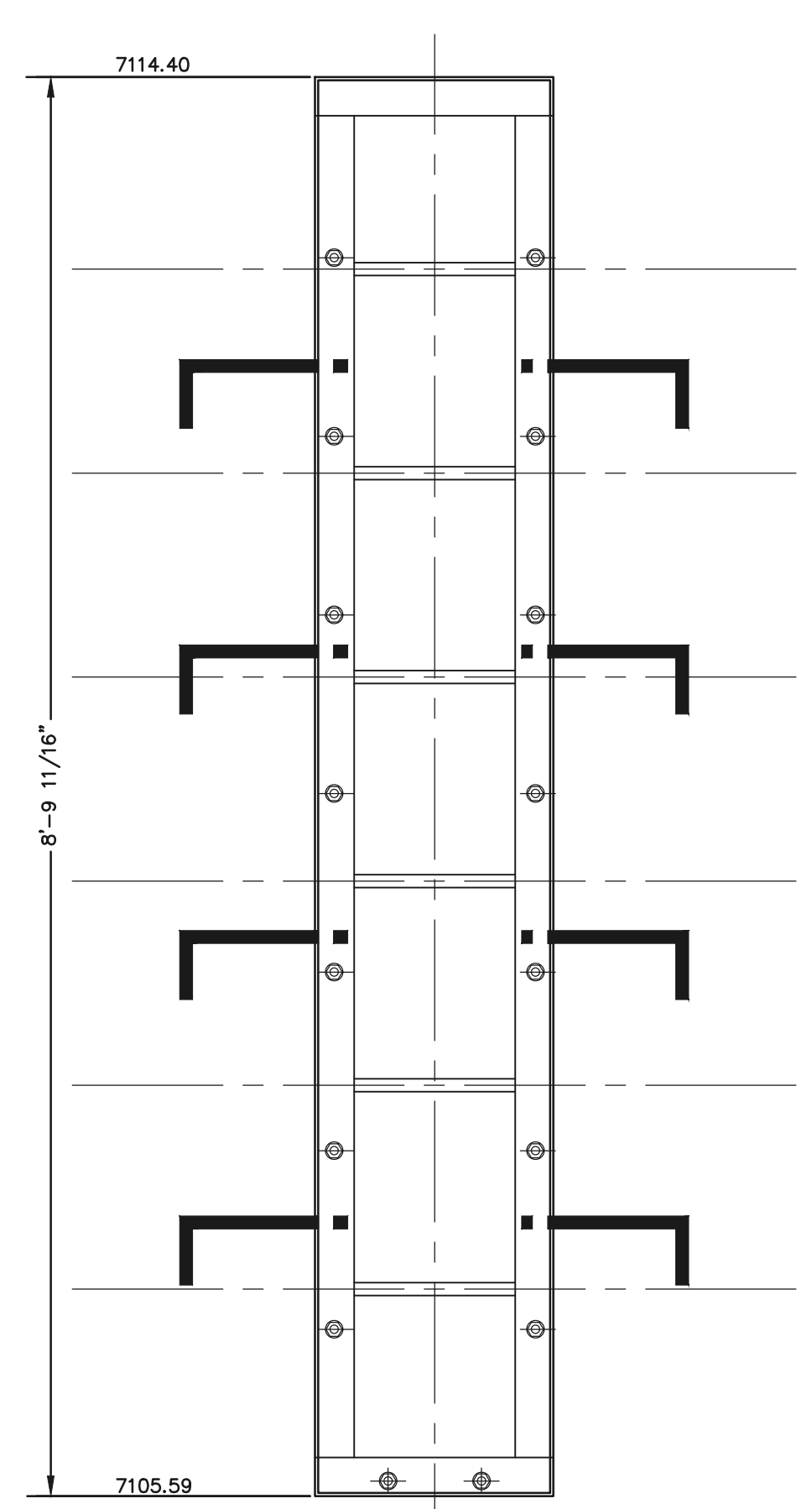
619 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903

(719)785-0790  
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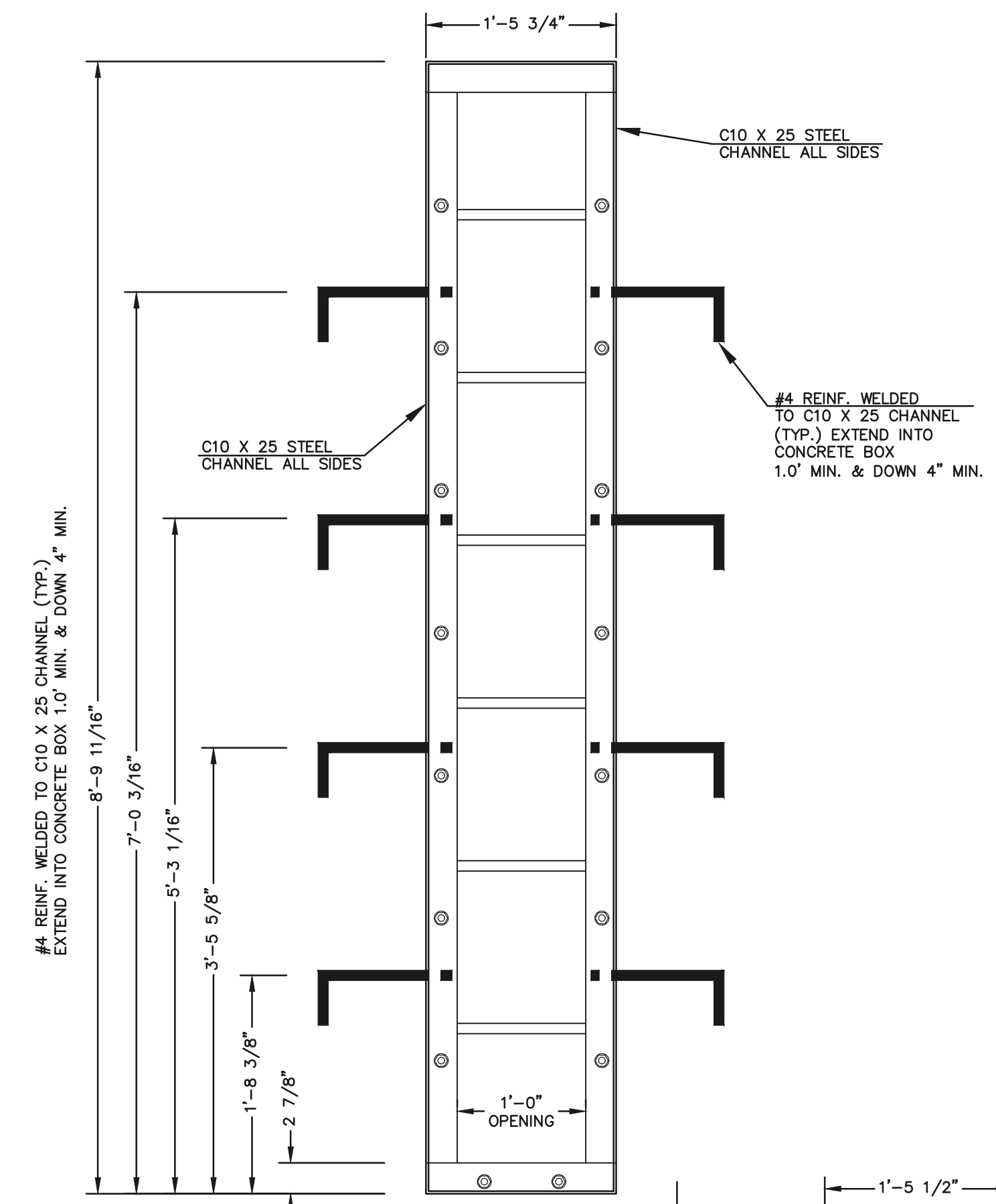
FOREST LAKES FILING NO. 7  
CONSTRUCTION PLANS

POND OUTLET BOX AND MICROPOOL DETAILS

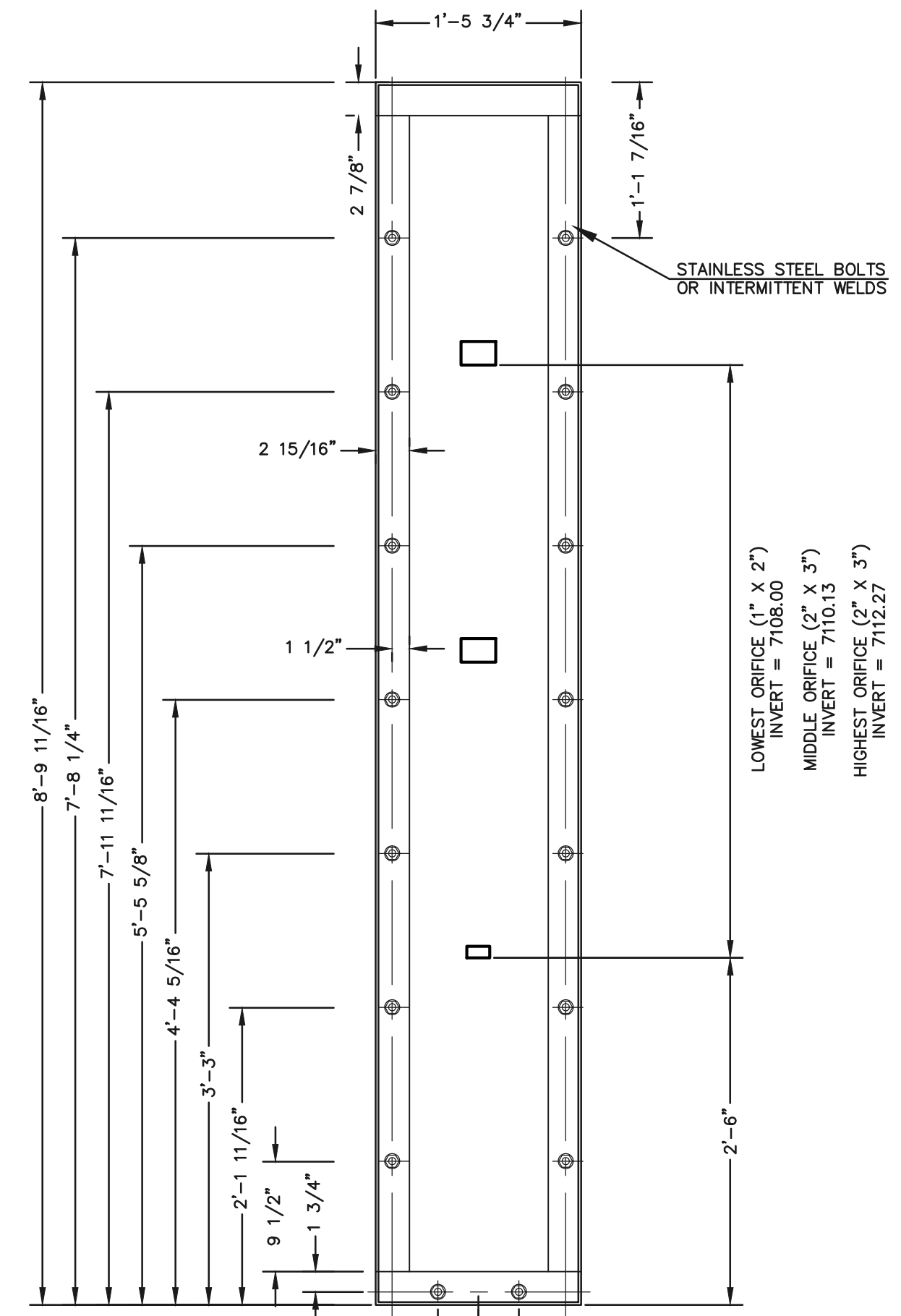
DESIGNED BY	MAL	SCALE	DATE	11/23/21
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CHECKED BY	(V) 1" = N/A	JOB NO.	1175.70	



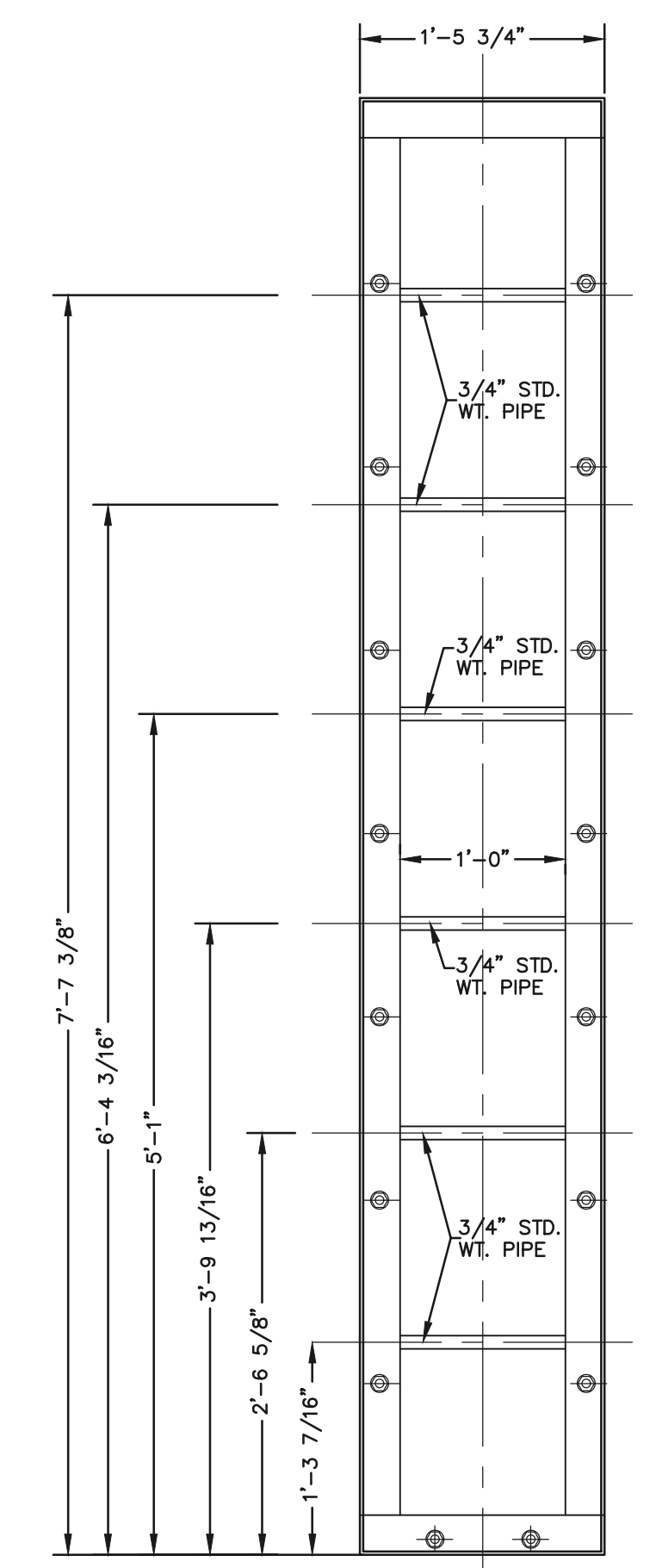
**OUTLET CONTROL PLATE AND FRAME**  
SCALE: 1"=1'



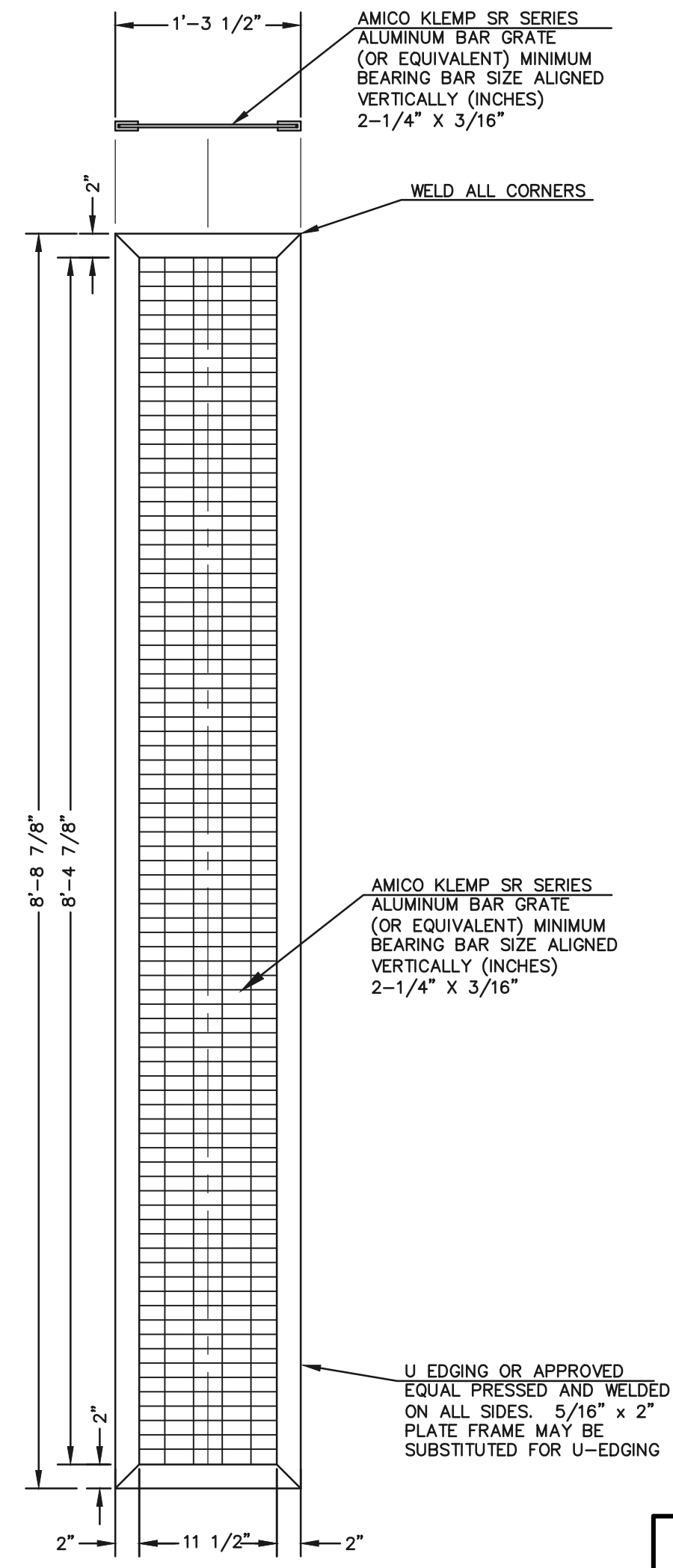
**CHANNEL FRAME WITH WALL ANCHORS**  
SCALE: 1"=1'



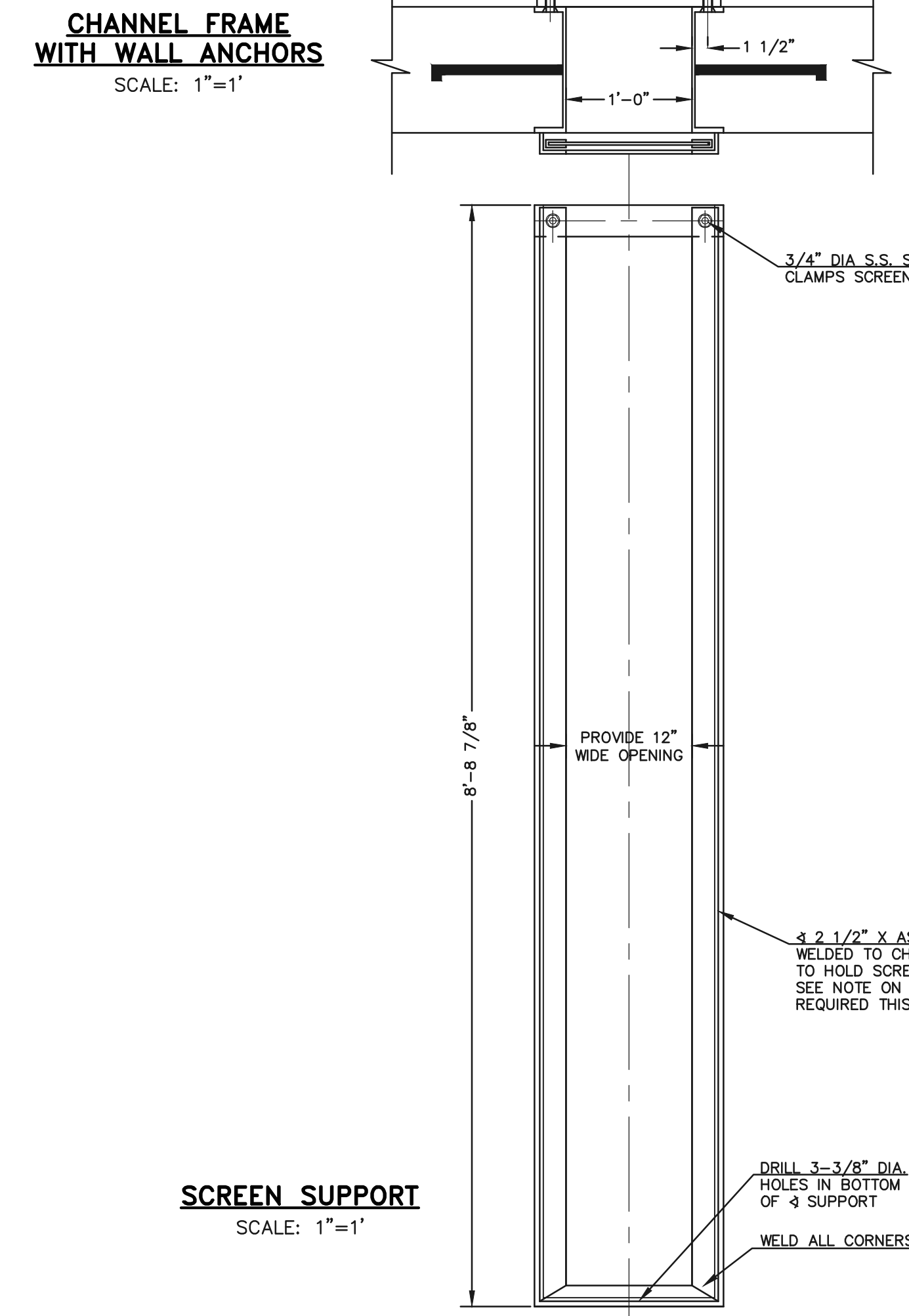
**1/4" THICK ORIFICE PLATE**  
SCALE: 1"=1'



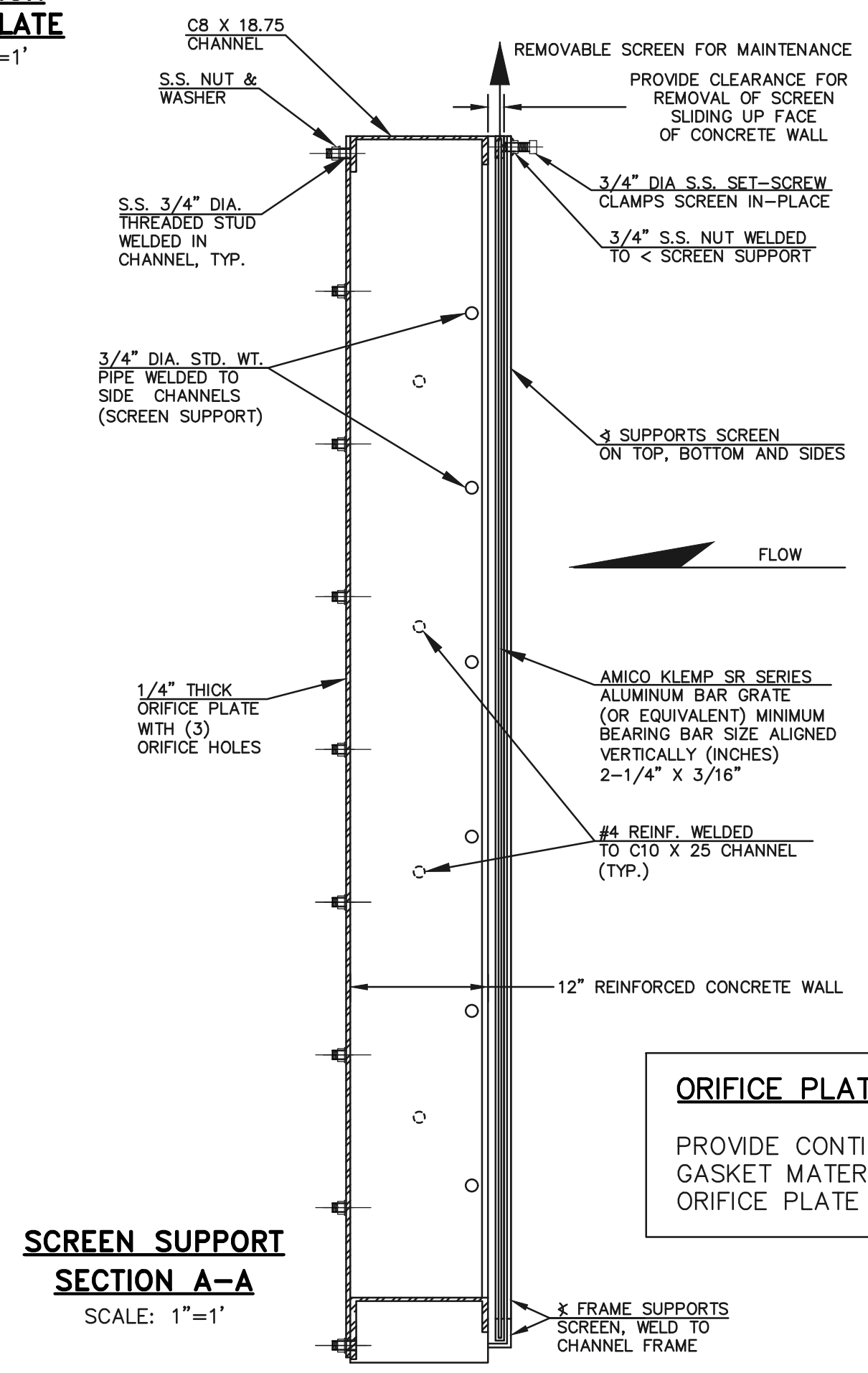
**CHANNEL FRAME**  
SCALE: 1"=1'



**TRASH SCREEN**  
SCALE: 1"=1'



**SCREEN SUPPORT**  
SCALE: 1"=1'



**SCREEN SUPPORT SECTION A-A**  
SCALE: 1"=1'

**ORIFICE PLATE NOTE:**  
PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE



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10/23/2023  
SF-21-49

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*Kyle R. Campbell*  
KYLE R. CAMPBELL, P.E. #29794



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CONSTRUCTION PLANS

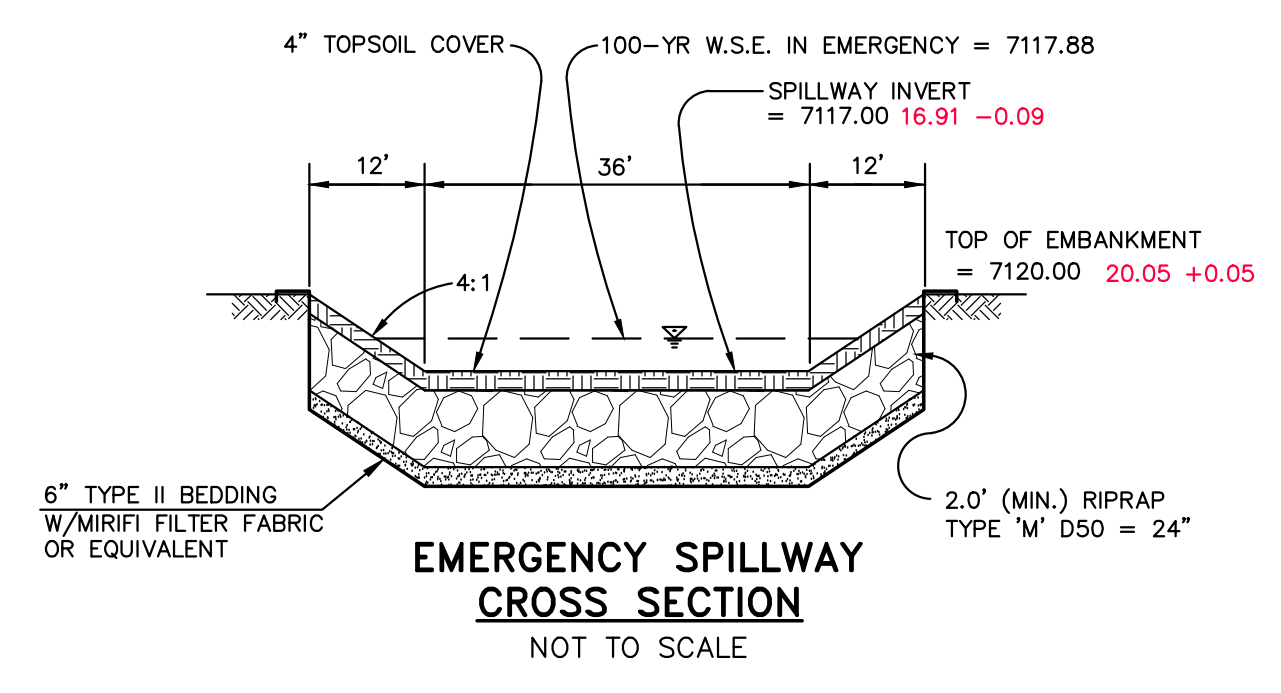
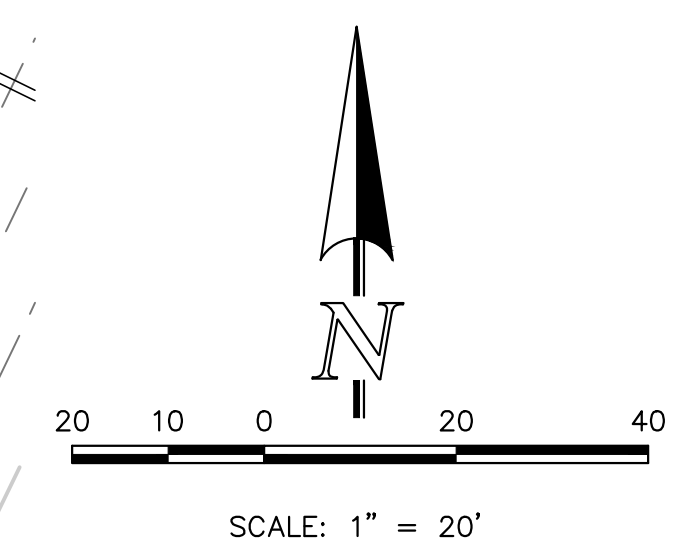
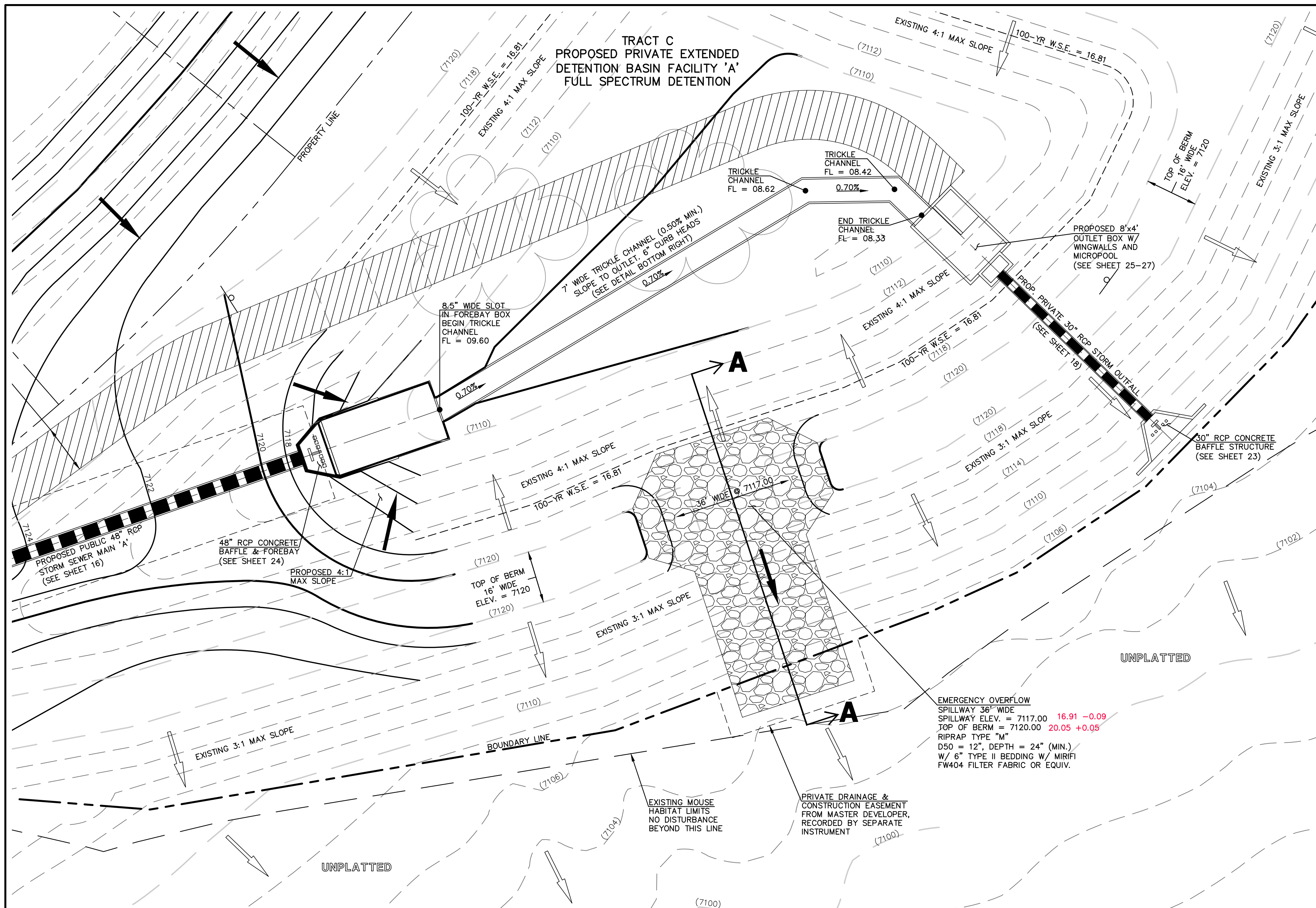
OUTLET BOX DETAILS EPC 5/12/2022

DESIGNED BY	MAL	SCALE	DATE
			11/23/21

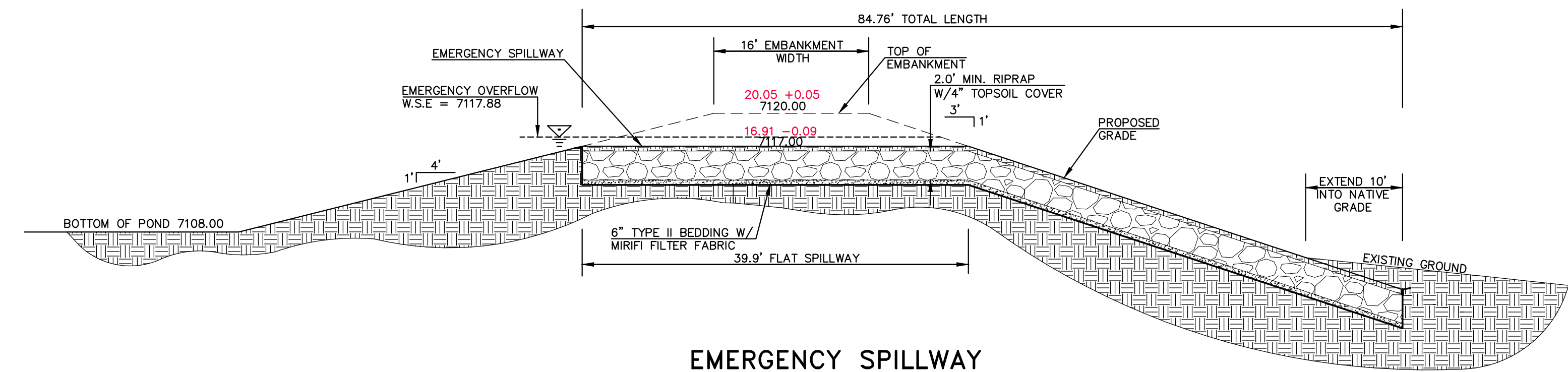
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CHECKED BY	(V) 1"= N/A	JOB NO.
		1175.70

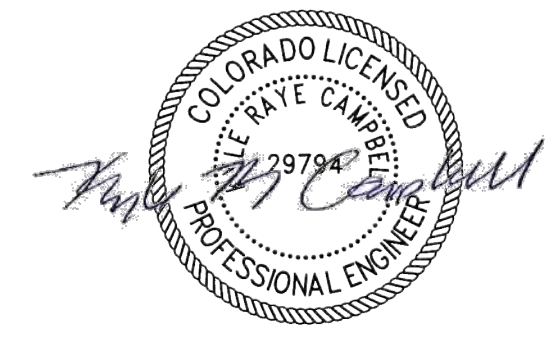
N:\117570\DRAWINGS\CONSTRUCTION\STORM\27-117570-STA-13-outlet\_box\_details.dwg, 3/31/2022, 2:49:57 PM, 1:1



**EMERGENCY SPILLWAY, EMBANKMENT, AND RUNDOWN PLAN VIEW**  
SCALE: 1" = 20'



**EMERGENCY SPILLWAY PROFILE AT EMBANKMENT SECTION A-A**  
SCALE: 1" = 10'



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10/23/2023  
SF-21-49

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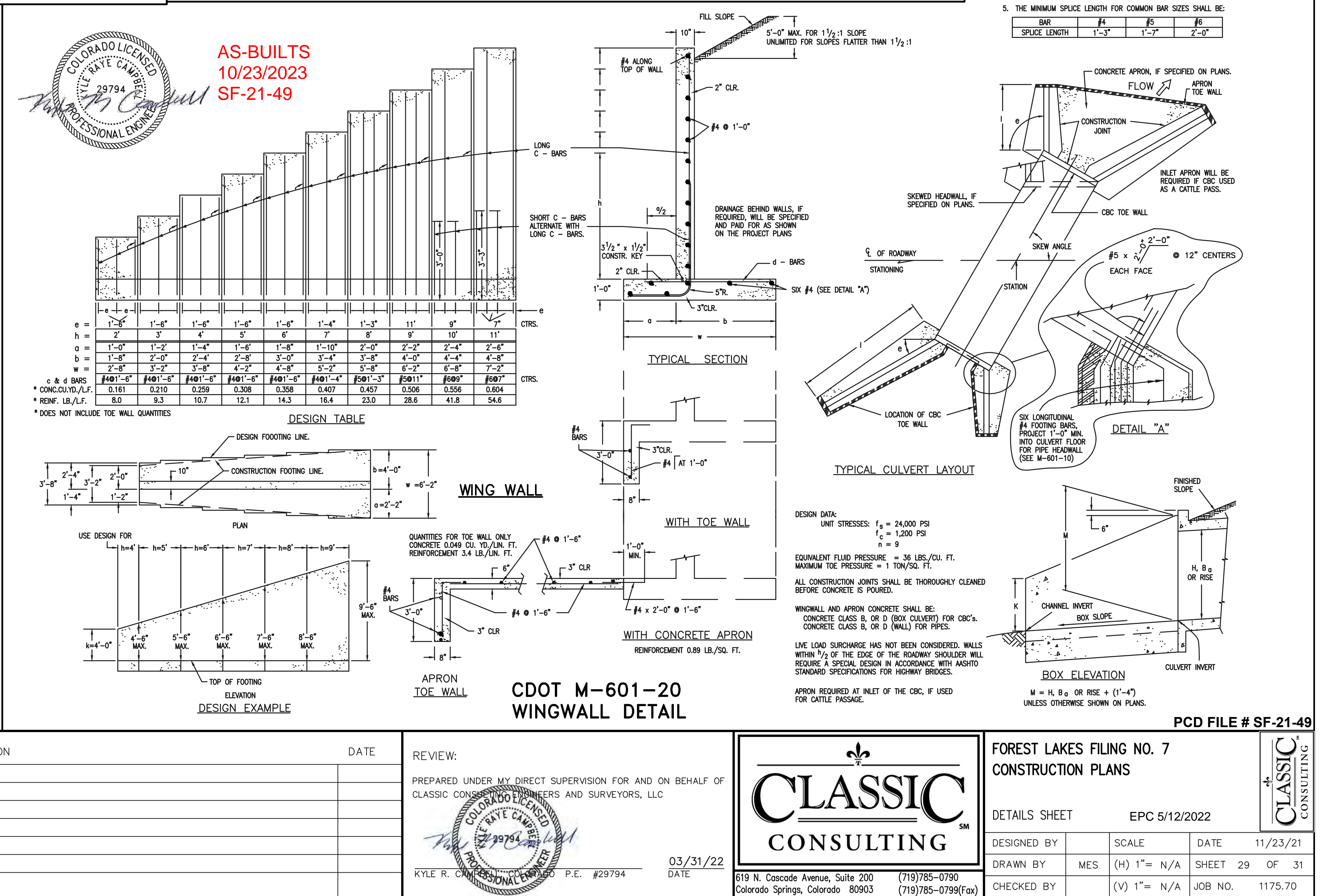
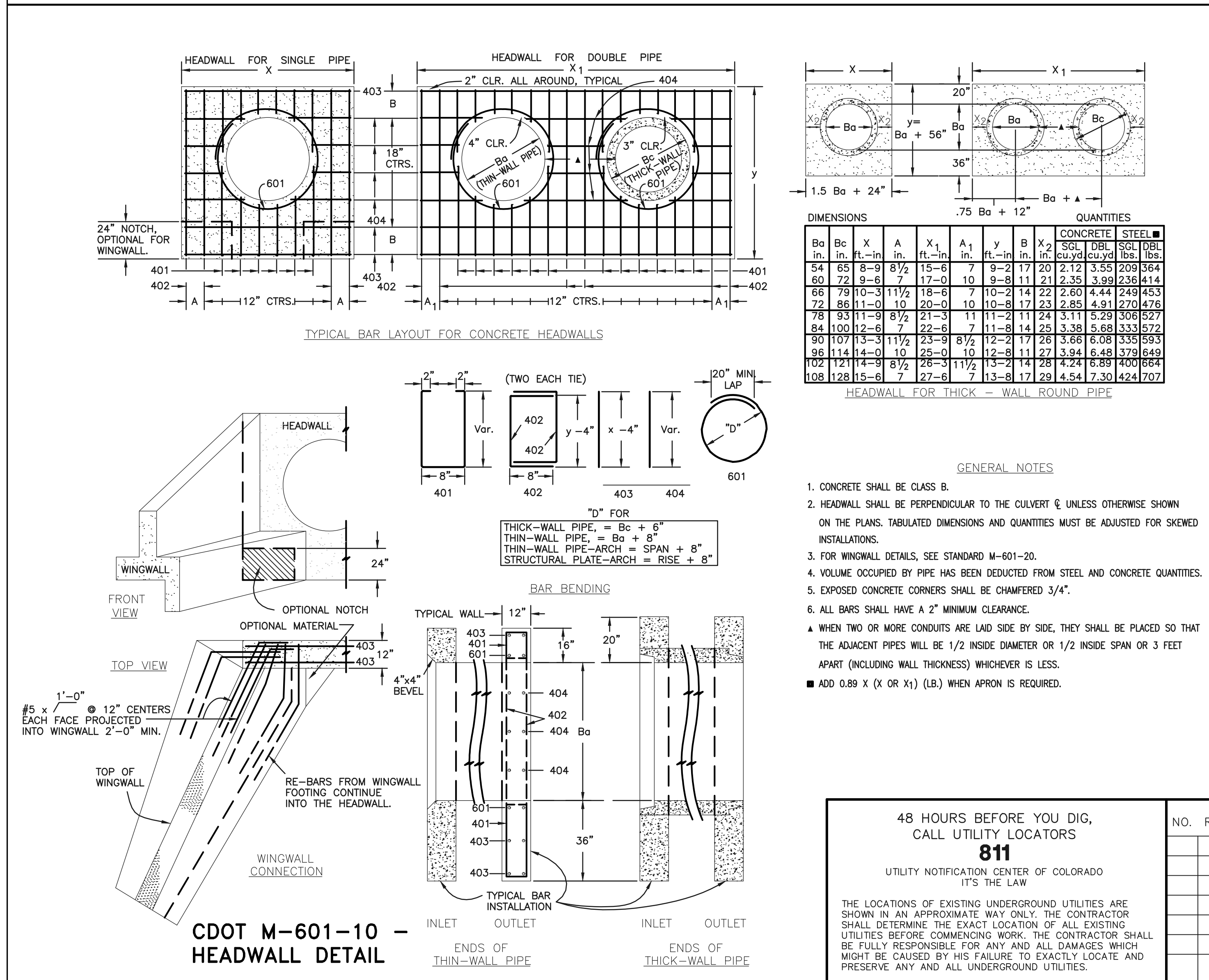
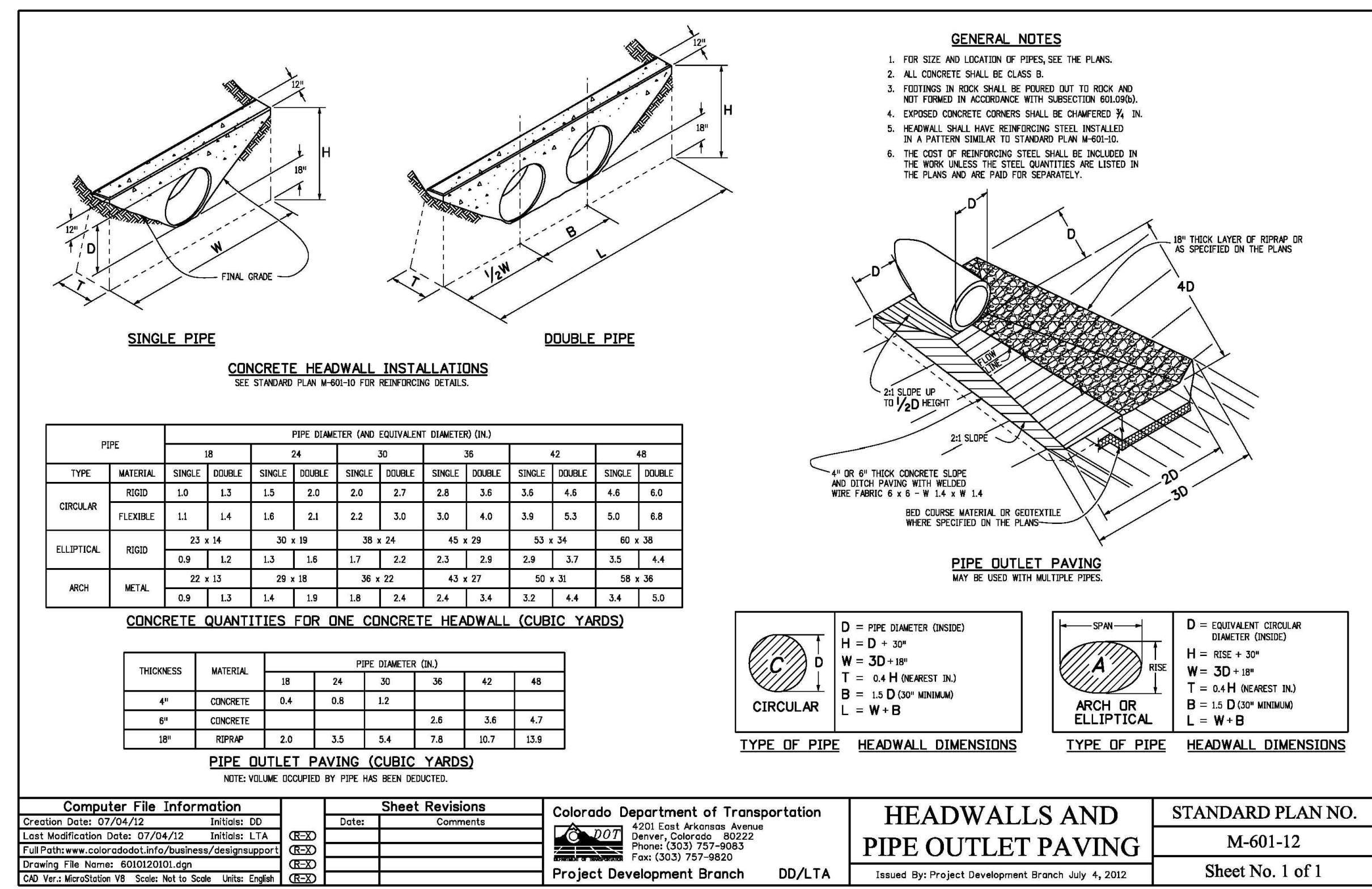
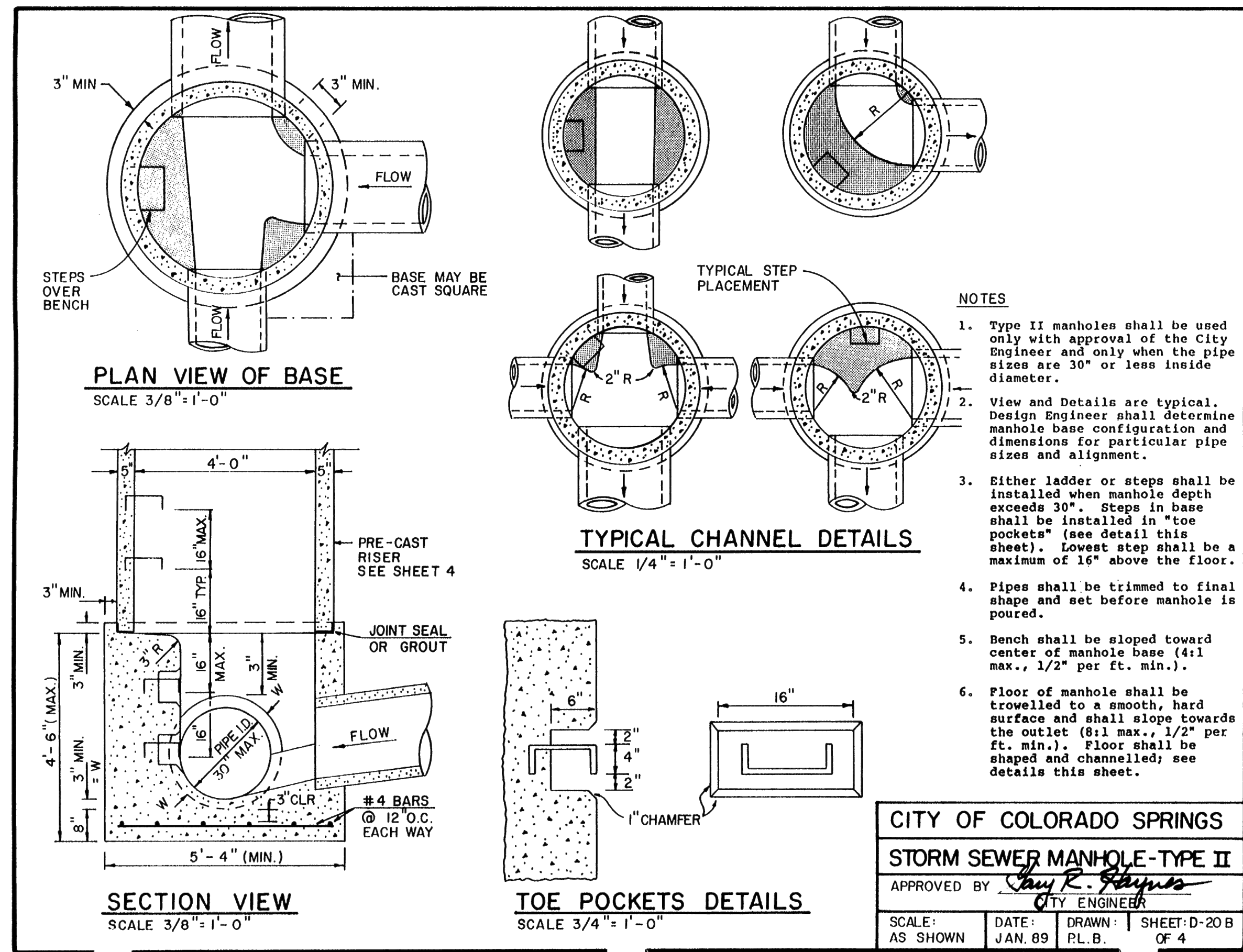
*Kyle R. Campbell*  
KYLE R. CAMPBELL, P.E. #29794



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POND SPILLWAY DETAILS

DESIGNED BY	MAL	SCALE	DATE	11/23/21
DRAWN BY	MES	(H) 1"=VARIES	SHEET	28 OF 31
CHECKED BY	(V) 1"= N/A	JOB NO.	1175.70	



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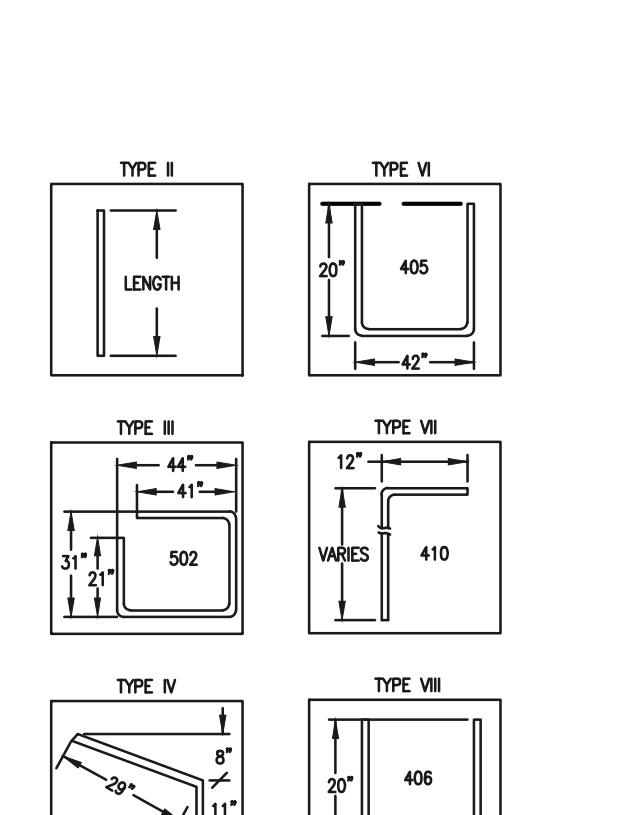
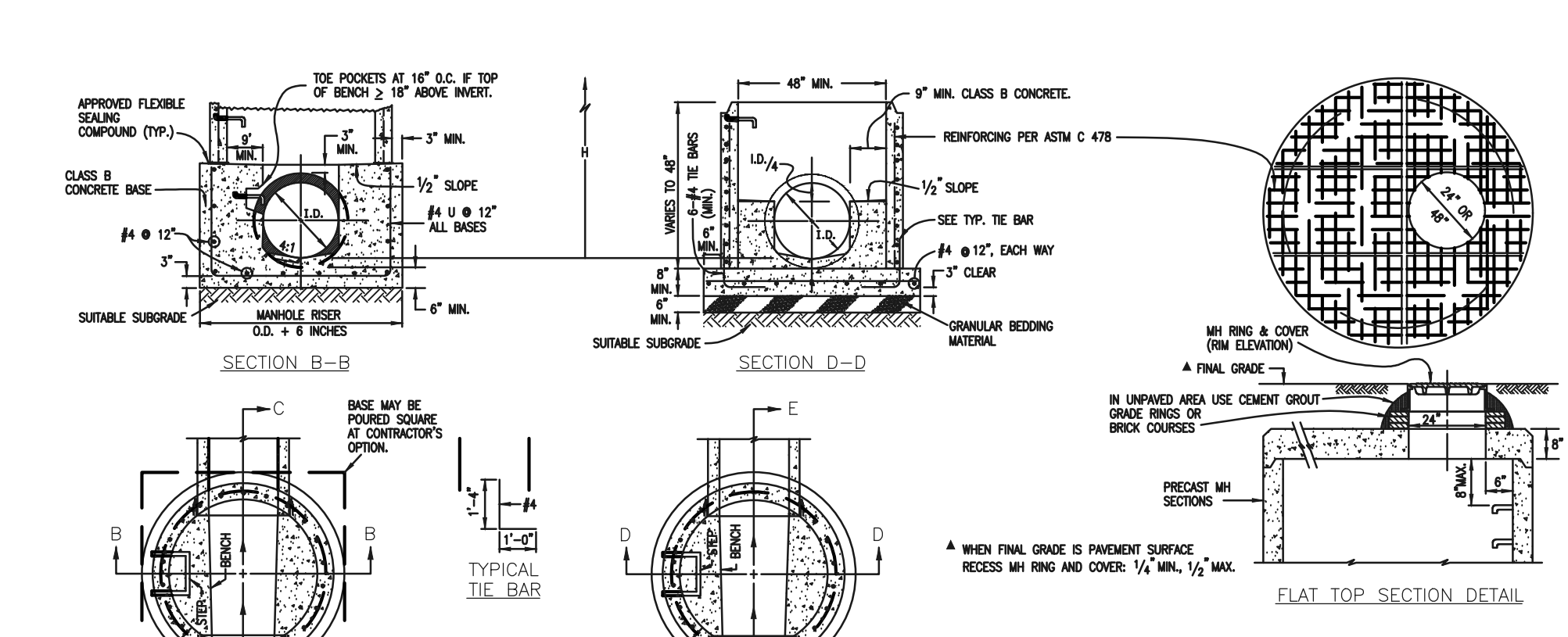
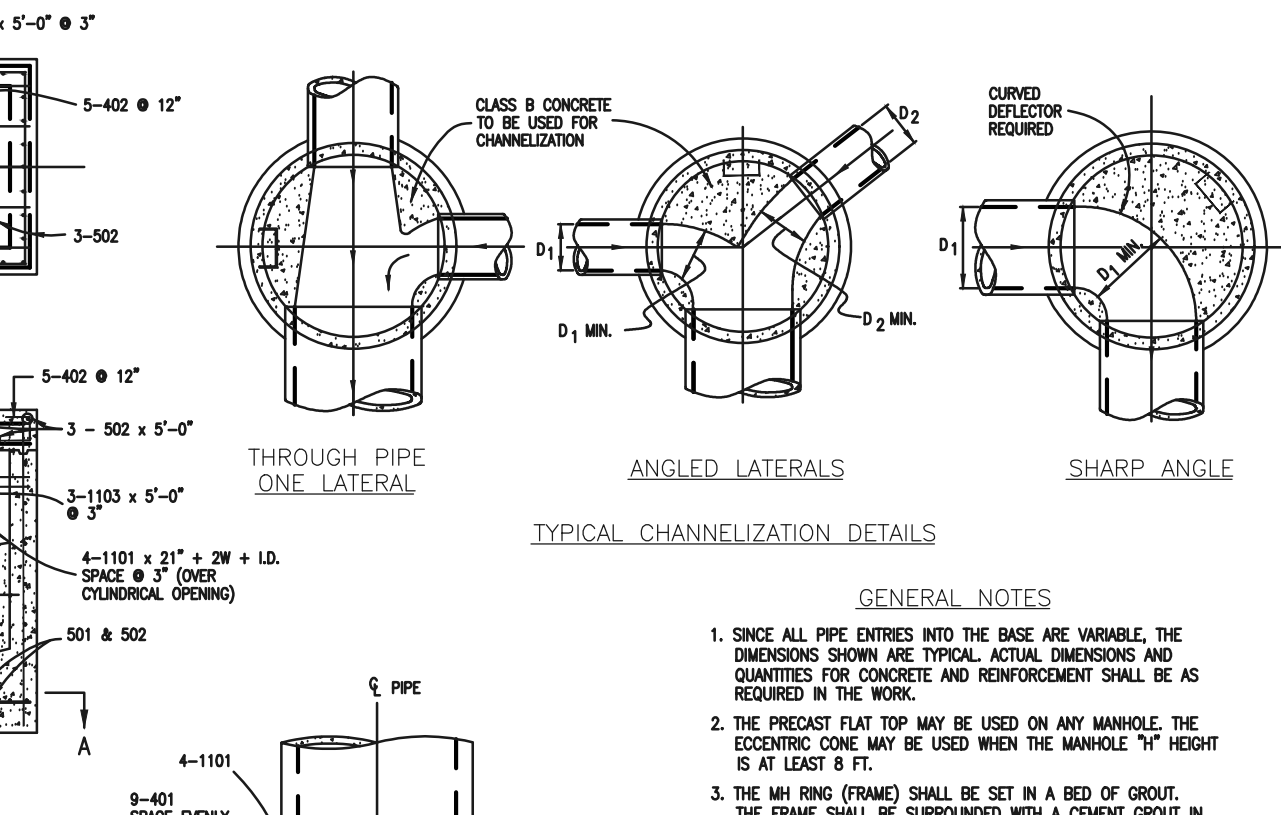
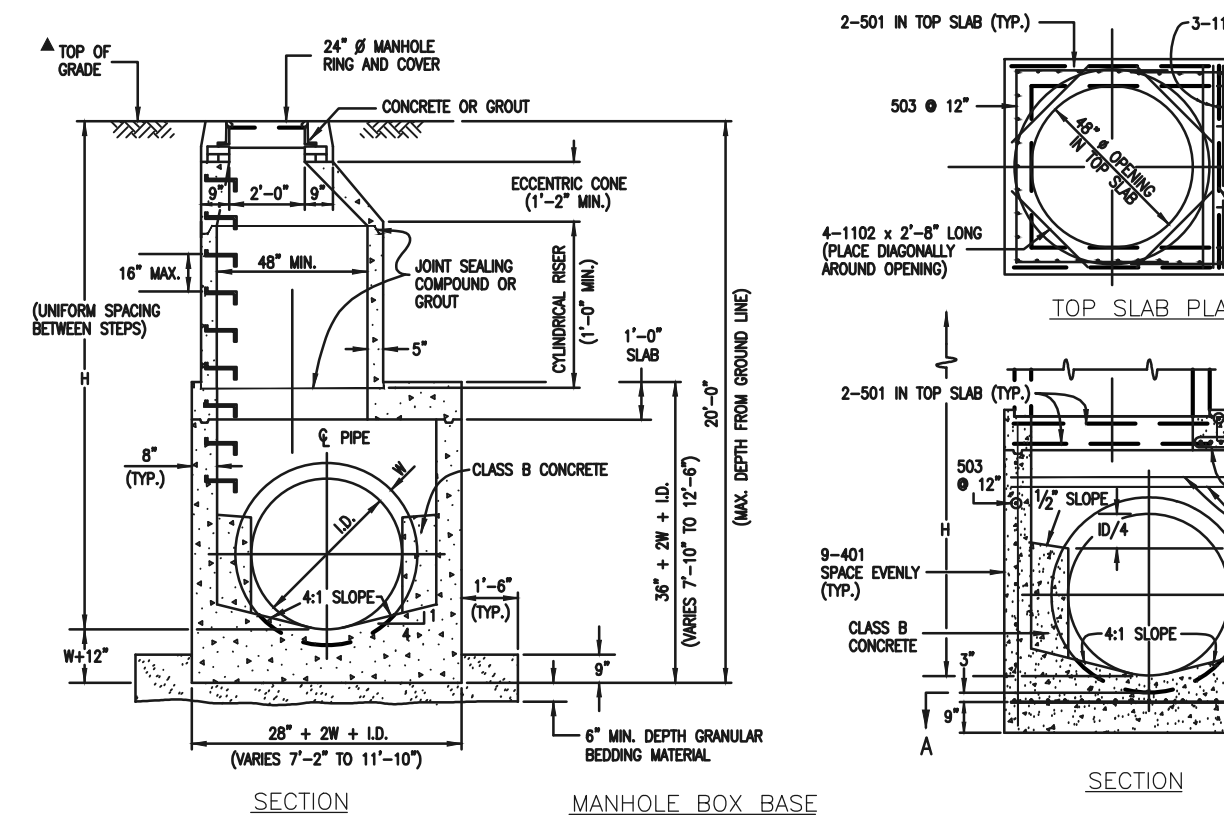
**FOREST LAKES FILING NO. 7**  
CONSTRUCTION PLANS

DETAILS SHEET EPC 5/12/2022

DESIGNED BY	SCALE	DATE
MES	(H) 1" = N/A	11/23/21

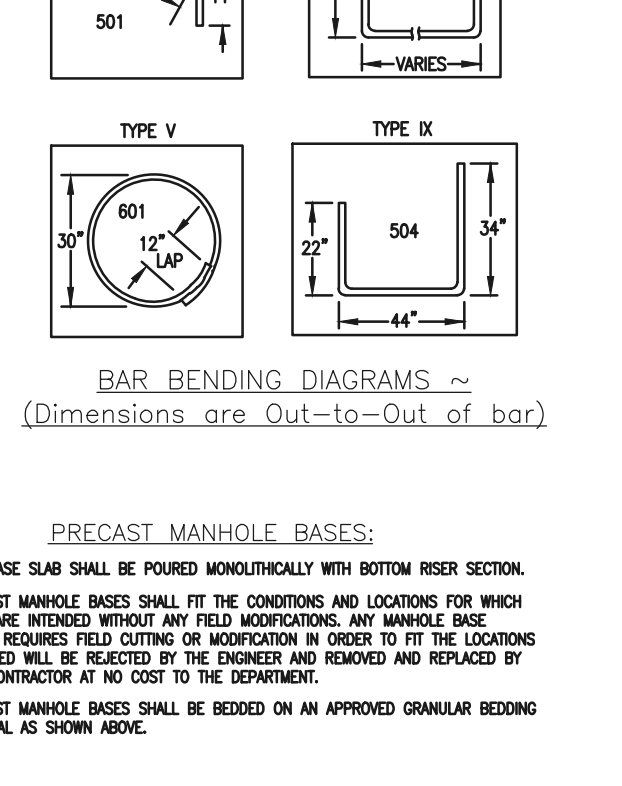
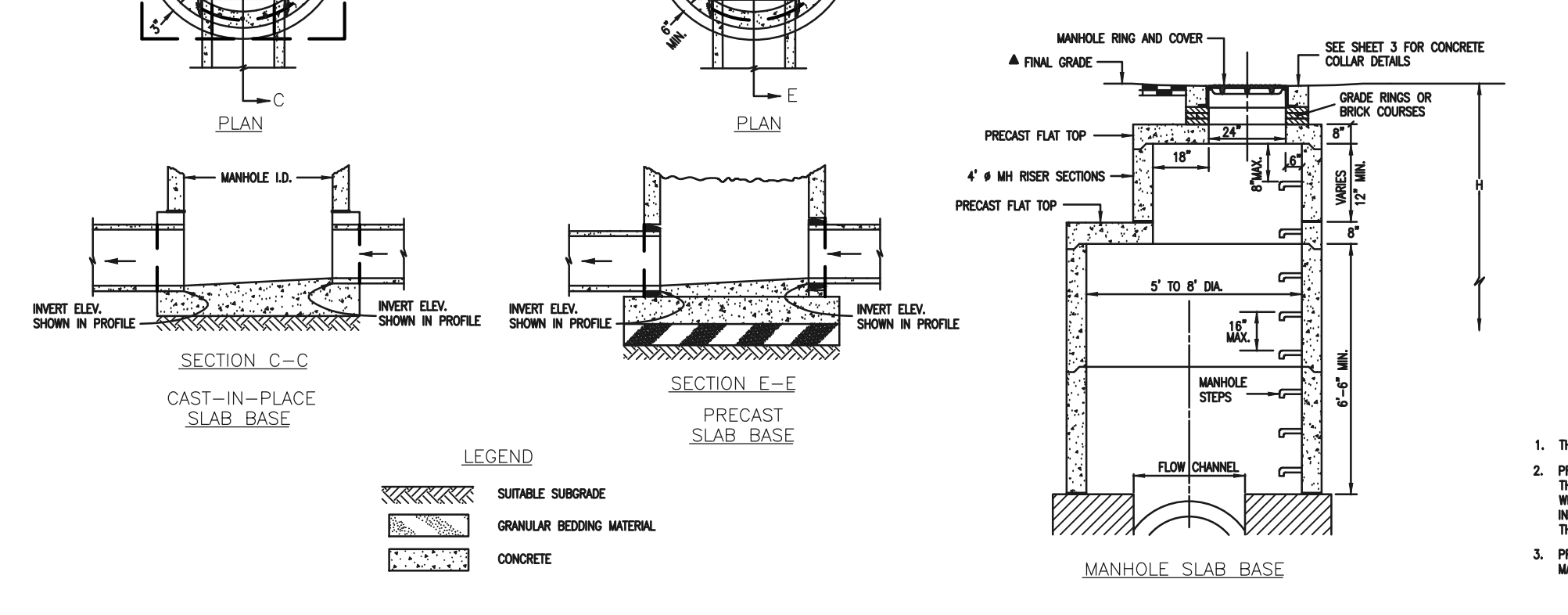
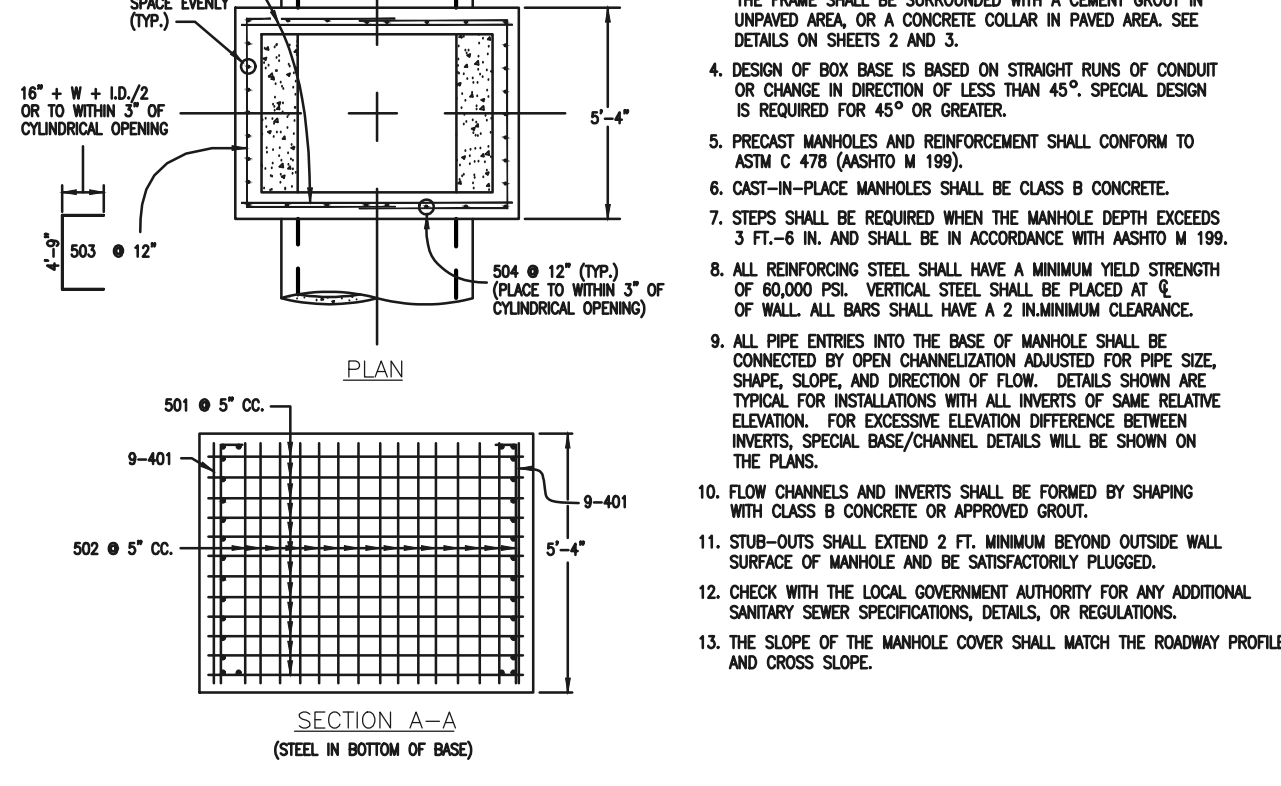
DRAWN BY	SCALE	SHEET	OF
MES	(V) 1" = N/A	29	31

CHECKED BY	SCALE	JOB NO.
	(V) 1" = N/A	1175.70

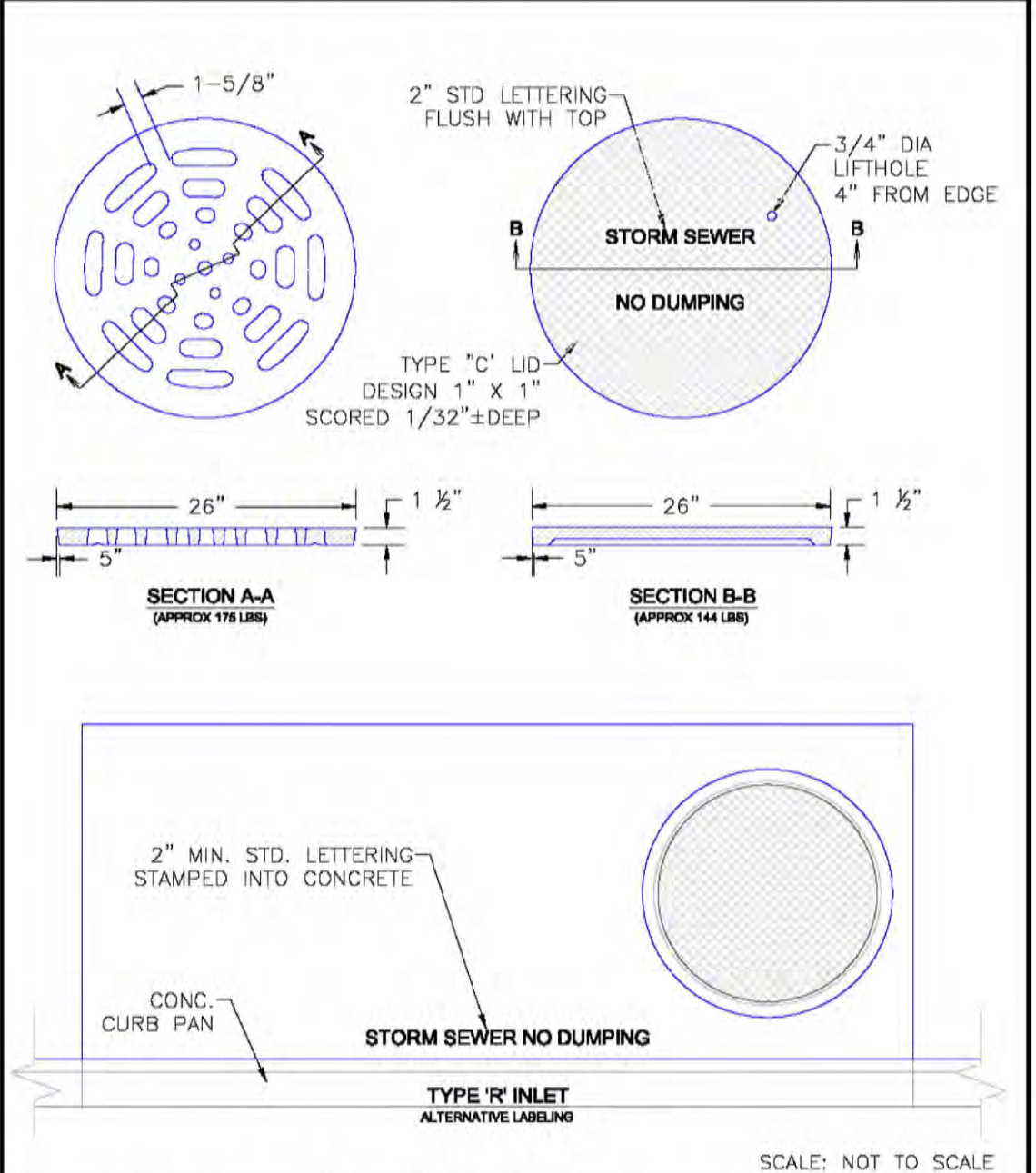


QUANTITIES FOR CONCRETE MANHOLE BOX BASE

MARK	SIZE	TYPE	WT. #/FT.	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	FORMULAS
401	4	I	0.668	18	18	18	18	18	18	18	18	18	18	18	18	401 BAR LENGTH = 32"+2W+L.D.
402	4	III	0.668	18	18	18	18	18	18	18	18	18	18	18	18	402 BAR LENGTH = L.D. + 2W
501	5	I	1.043	17	17	17	17	17	17	17	17	17	17	17	17	501 BAR LENGTH = 24" + L.D. + 2W
502	5	III	1.043	17	17	17	17	17	17	17	17	17	17	17	17	502 NUMBER BARS REQ'D. = 3 + (24"+L.D.+2W+L) / 18"
503	5	II	1.043	18	18	18	18	18	18	18	18	18	18	18	18	503 NUMBER BARS REQ'D. = 2 (32"+L.D.+2W+L) / 18"
504	5	I	1.043	17	17	17	17	17	17	17	17	17	17	17	17	504 NUMBER BARS REQ'D. = 2 (24"+L.D.+2W+L) / 18"
1101	11	I	5.313	4	4	4	4	4	4	4	4	4	4	4	4	1101 BAR LENGTH = 32"+L.D. + 2W
1102	11	I	5.313	4	4	4	4	4	4	4	4	4	4	4	4	1102 BAR LENGTH = 21" + L.D. + 2W
1103	11	I	5.313	3	3	3	3	3	3	3	3	3	3	3	3	1103 BAR LENGTH = 18"+W+L.D./2



CDOT MANHOLES  
STD. PLAN NO: M-604-20



DATE APPROVED	9/16/10	Storm Sewer Manhole Details
DESIGNED BY	André P. Brackin	Standard Drawing
CHECKED BY		FILE NO. SD_3-5

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

MARK	DIA. IN.	O.C. SPACING	TYPE	ALL INLETS			INLETS, H ≤ 5'			INLETS, H > 5'		
				L=5'	L=10'	L=15'	L=5'	L=10'	L=15'	L=5'	L=10'	L=15'
401	11"	II	15	21	28	11	11	11	11	11	11	
402	11"	II	7	13	18	7	7	7	7	7	7	
403	9"	II	4	6	8	4	4	4	4	4	4	
405	6"	VI	11	6	10	11	6	10	11	6	10	
406	6"	VIII	7	13	17	7	13	17	7	13	17	
407	6"	II	5	10	14	5	10	14	5	10	14	
408	6"	II	3	6	10	3	6	10	3	6	10	
409	8"	II	6	10	14	6	10	14	6	10	14	
410	11"	VII	6	10	14	6	10	14	6	10	14	
411	11"	II	3	6	10	3	6	10	3	6	10	
412	11"	II	3	6	10	3	6	10	3	6	10	
413	9"	II	2	6	10	2	6	10	2	6	10	
501	5 1/2"	IV	11	3	4	22	3	4	33	3	4	
502	5 1/2"	III	5	3	4	16	3	4	27	3	4	
503	5 1/2"	II	5	3	4	16	3	4	27	3	4	
504	5 1/2"	IX	5	3	4	16	3	4	27	3	4	
601	2 1/2"	V	2	8	10	2	8	10	2	8	10	
601.5	1	I	1	10	10	1	10	10	1	10	10	

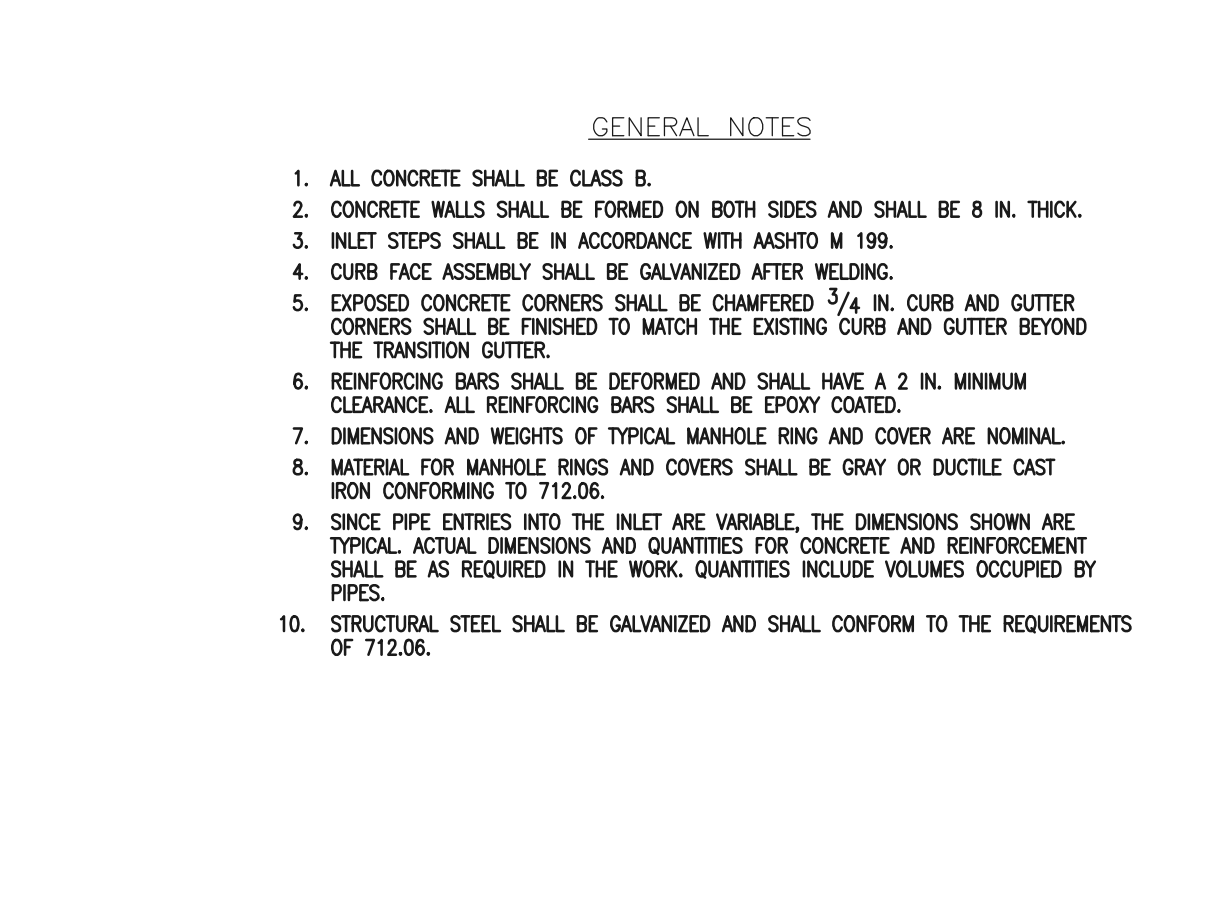
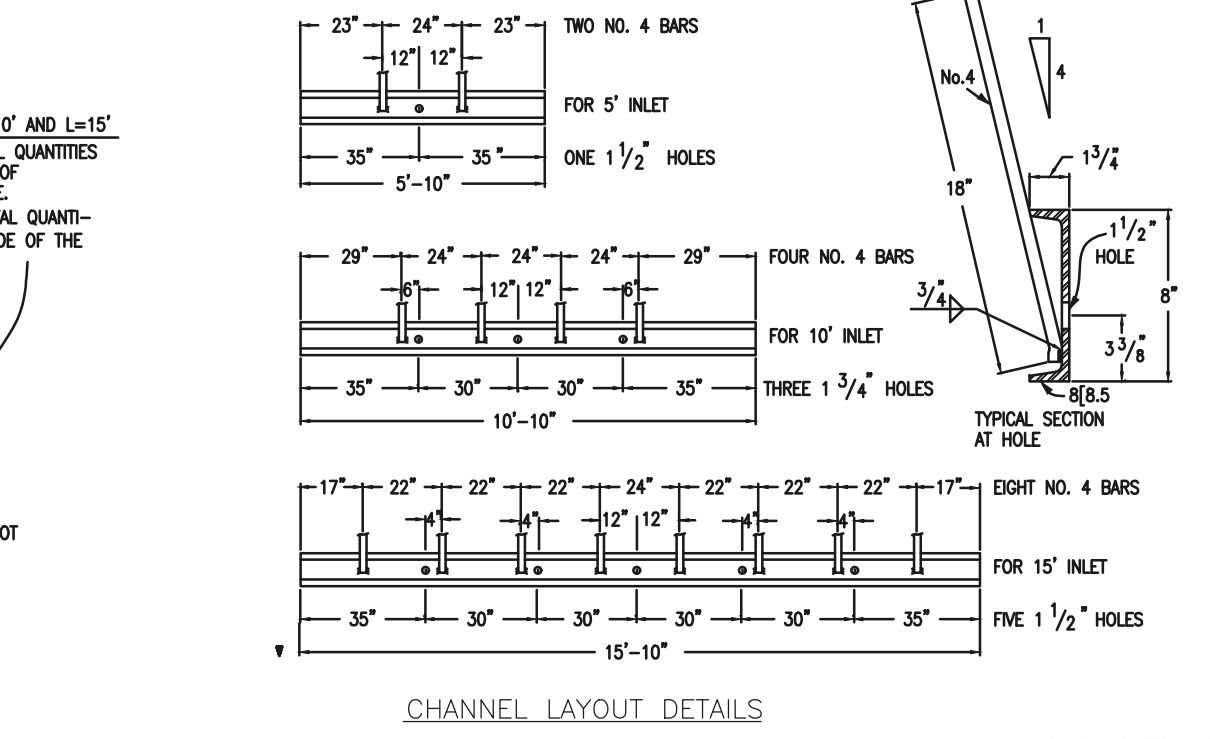
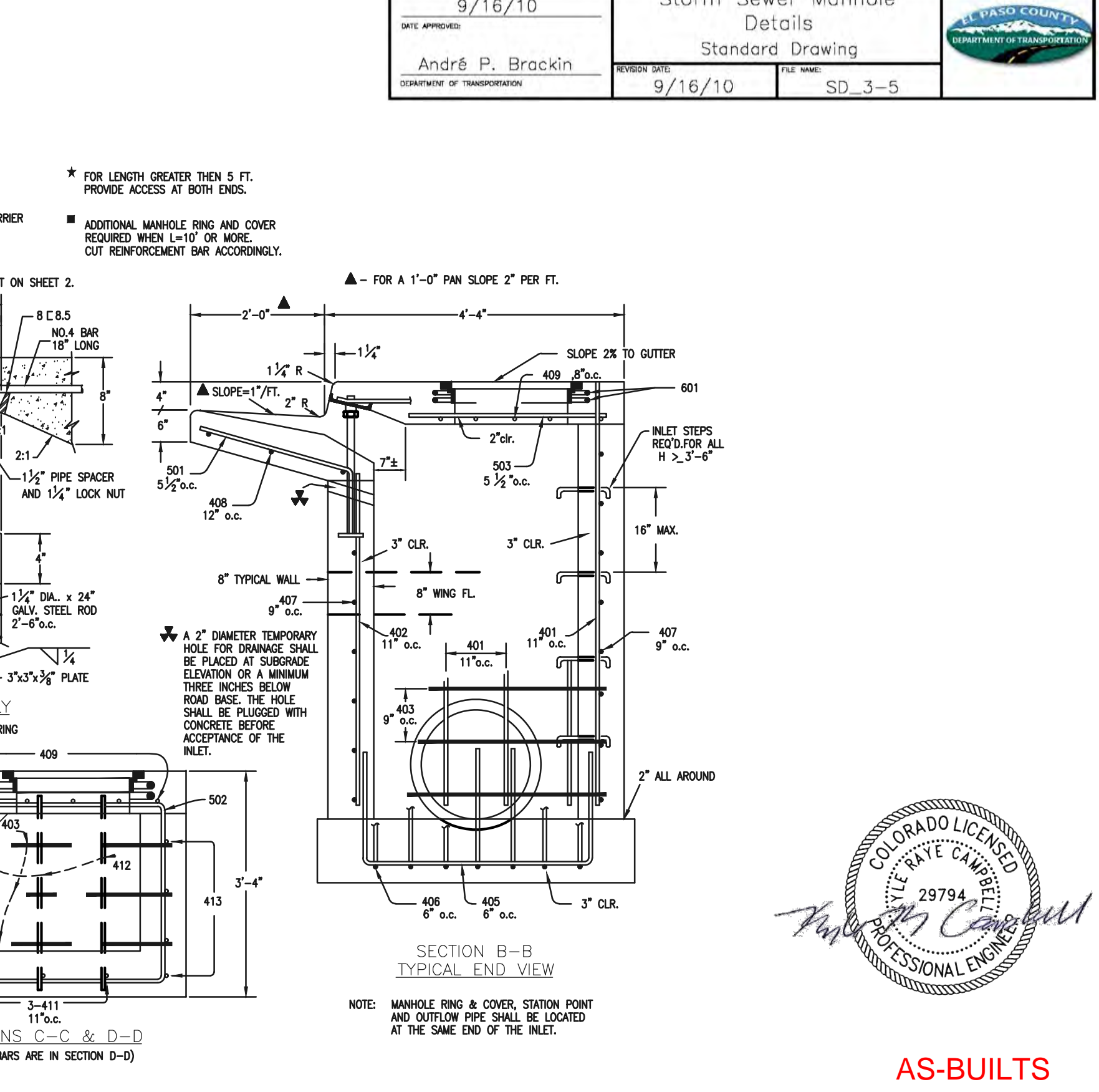
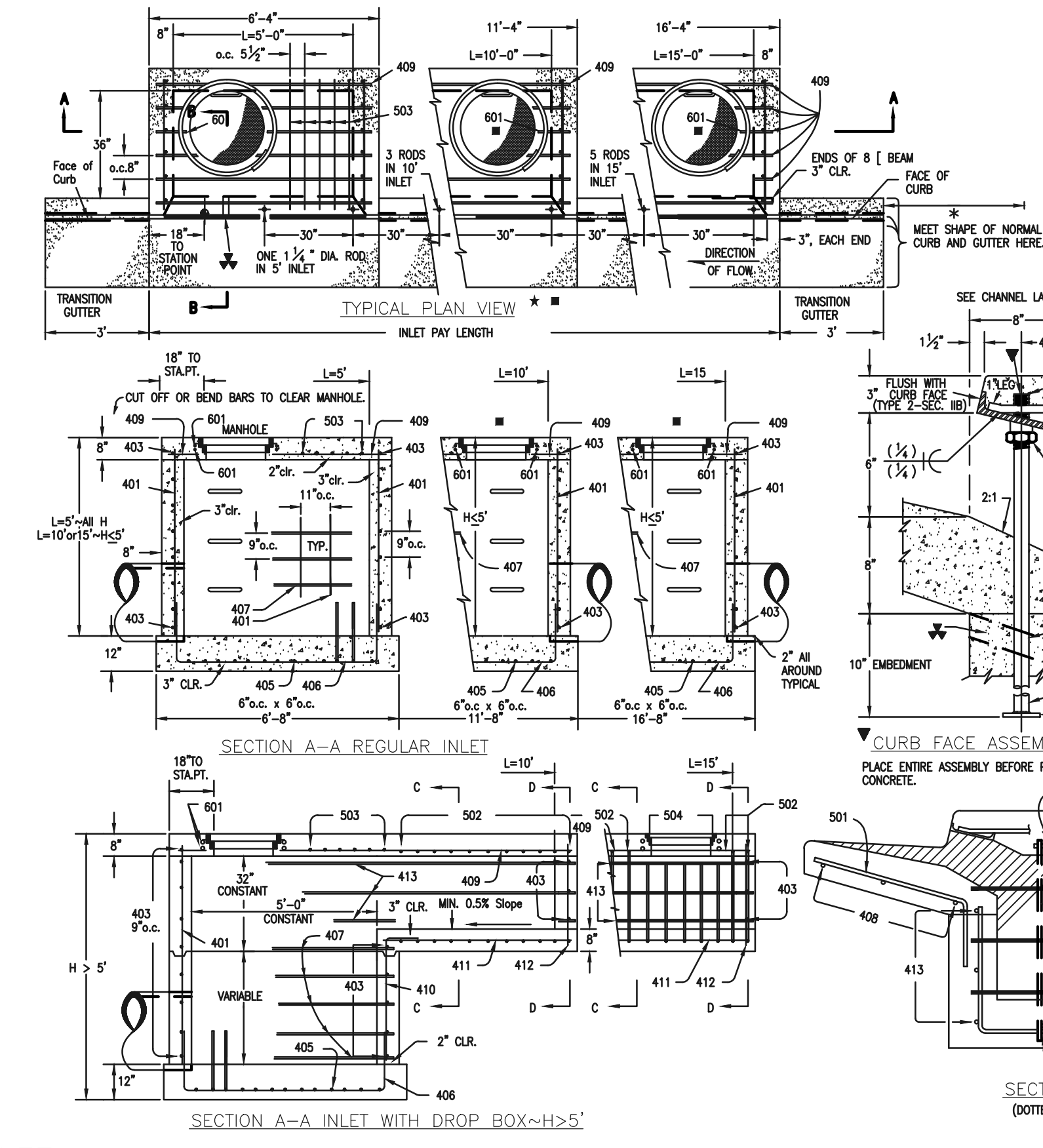


TABLE TWO ~ BARS AND QUANTITIES VARIABLE WITH "H"

H'	L=5'		L=10'		L=15'	
	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH
3'-0"	401	2'-8"	10	7	3.2	285
3'-6"	402	2'-2"	10	7	3.4	305
4'-0"	403	2'-8"	12	9	3.7	326
4'-6"	404	3'-2"	12	9	3.9	334
5'-0"	405	4'-8"	14	11	4.1	354
5'-6"	406	4'-2"	16	13	4.4	375
6'-0"	407	4'-8"	16	13	4.6	382
6'-6"	408	5'-2"	18	15	4.8	402
7'-0"	409	6'-8"	20	17	5.0	423
7'-6"	410	6'-2"	20	17	5.3	430
8'-0"	411	7'-8"	22	19	5.5	451
8'-6"	412	7'-2"	24	21	5.7	471
9'-0"	413	8'-8"	24	21	6.0	479
9'-6"	414	8'-2"	26	23	6.2	499
10'-0"	415	9'-8"	28	25	6.4	520
10'-6"	416	9'-2"	28	25	6.7	527
11'-0"	417	10'-8"	30	27	6.9	547



CDOT TYPE R INLET  
STD. PLAN NO: M-604-12



AS-BUILTS  
10/23/2023  
SF-21-49

48 HOURS BEFORE YOU DIG,  
CALL UTILITY LOCATORS  
**811**  
UTILITY NOTIFICATION CENTER OF COLORADO  
IT'S THE LAW

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NO. REVISION	DATE	REVIEW:
		PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC
		KYLE R. O'CONNEL, P.E. #29794

DATE: 03/31/22

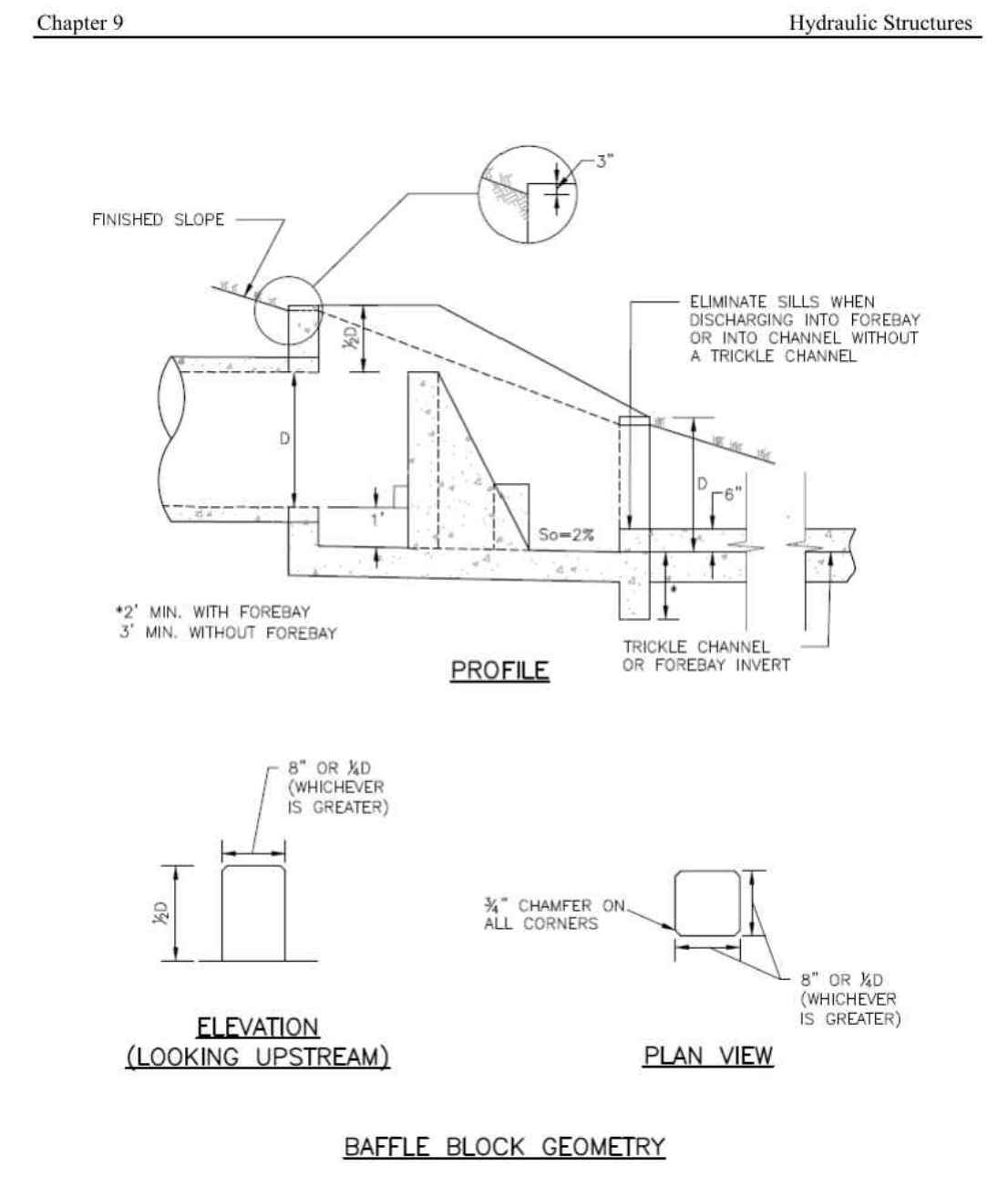
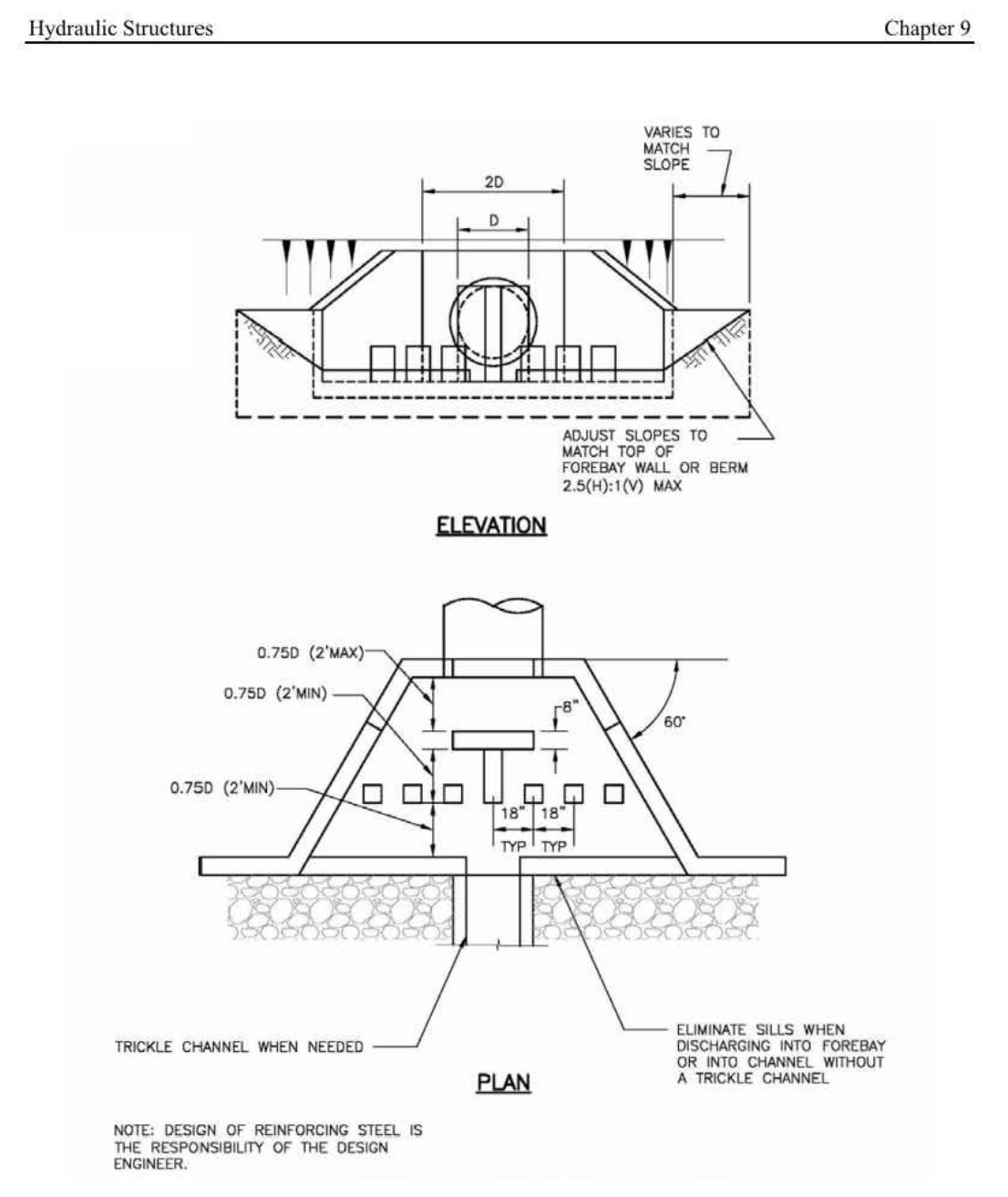
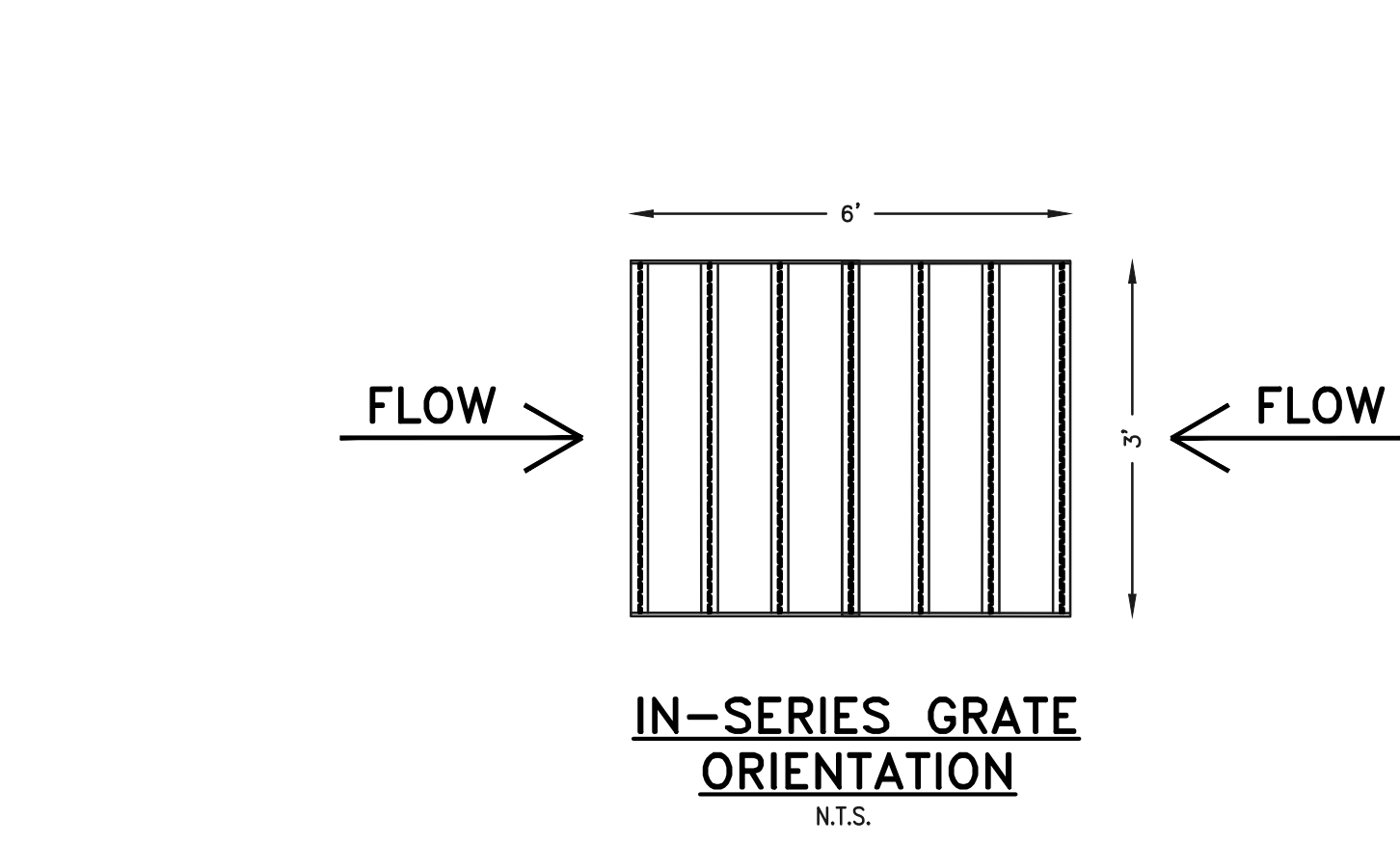
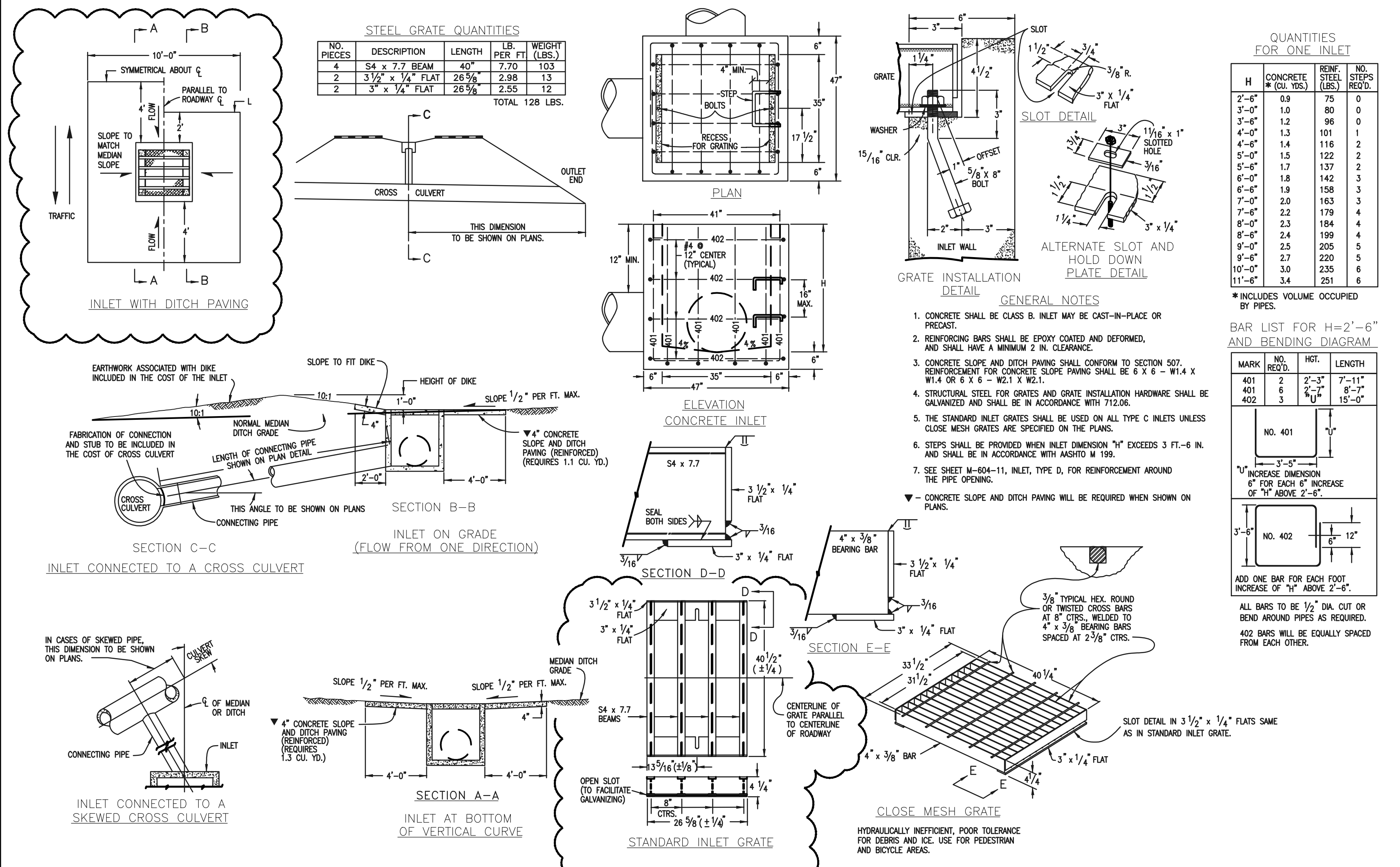
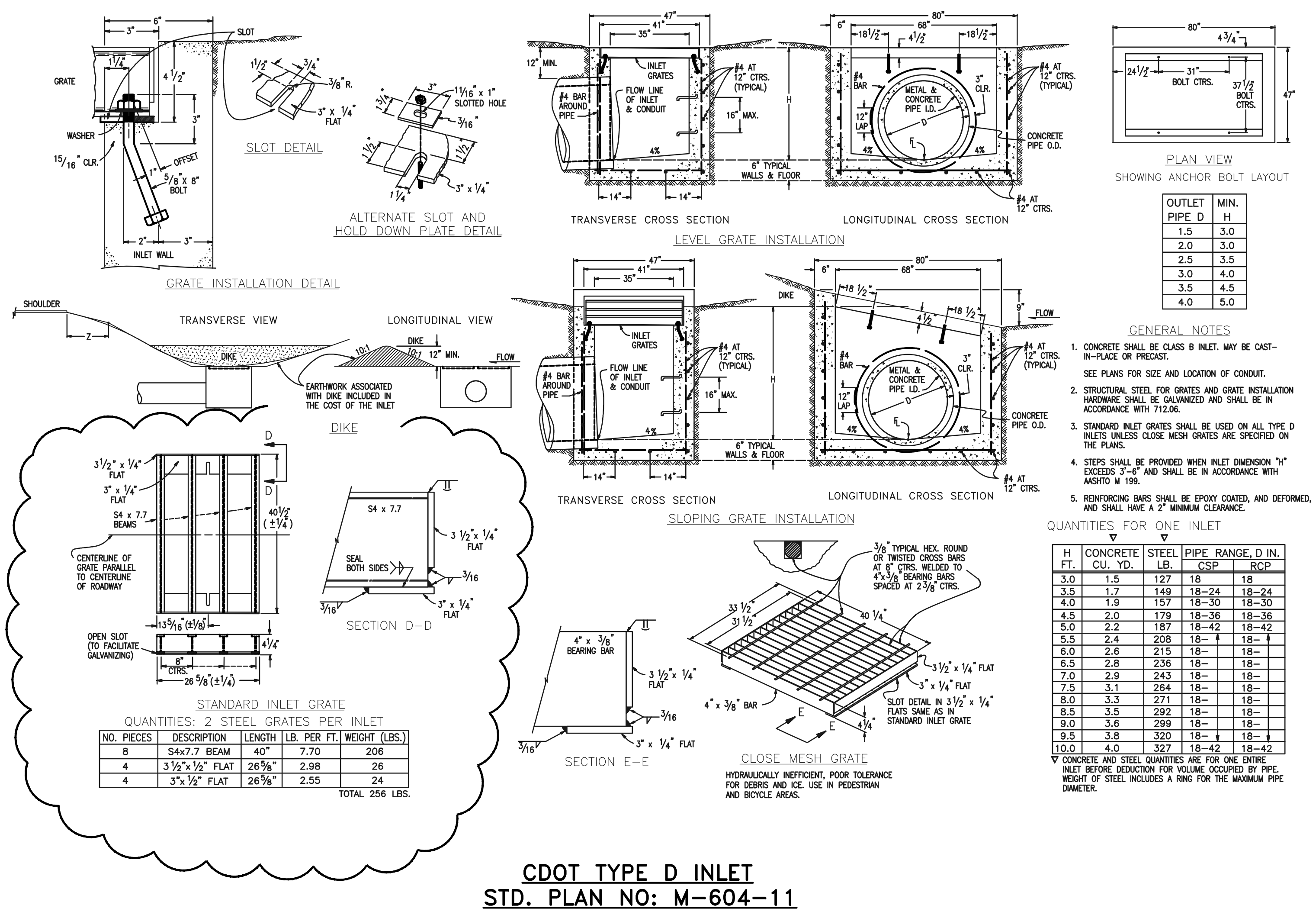


FOREST LAKES FILING NO. 7  
CONSTRUCTION PLANS

DETAILS SHEET EPC 5/12/2022

DESIGNED BY	SCALE	DATE	11/23/21
DRAWN BY	(H) 1" = N/A	SHEET	30 OF 31
CHECKED BY	(V) 1" = N/A	JOB NO.	1175.70





9-82 Urban Drainage and Flood Control District  
Urban Storm Drainage Criteria Manual Volume 2  
September 2017

9-83 Urban Drainage and Flood Control District  
Urban Storm Drainage Criteria Manual Volume 2  
September 2017

<b>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS</b> <b>811</b> UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.	NO. REVISION	DATE	REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

**CLASSIC CONSULTING**  
KYLE R. CAMPBELL  
P.E. #29794

03/31/22  
DATE

**FOREST LAKES FILING NO. 7  
CONSTRUCTION PLANS**

DETAILS SHEET EPC 5/12/2022

DESIGNED BY: SCALE: DATE: 11/23/21

DRAWN BY: MES (H) 1" = N/A SHEET 31 OF 31

CHECKED BY: (V) 1" = N/A JOB NO. 1175.60

**CLASSIC CONSULTING**  
619 N. Cascade Avenue, Suite 200 (719)785-0790  
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

**AS-BUILTS  
10/23/2023  
SF-21-49**

PCD FILE # SF-21-49

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