

CONSTRUCTION PLANS

(SECTIONS 27 AND 28, TOWNSHIP 11 SOUTH, RANGE 67 WEST)



3. THE LOCATION OF EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND MAY NOT INCLUDE ALL UTILITIES. THE EXCAVATION CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATED AND PRESERVE ANY AND ALL UTILITIES.
2. BEFORE COMMENCING ANY EXCAVATION, CALL **1-800-922-1987** FOR EXISTING UTILITY LOCATIONS.
3. THE CONTRACTOR WILL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE DUE TO THIS OPERATION. ANY DAMAGE TO THE UTILITIES WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, AND ANY SERVICE DISRUPTION WILL BE SETTLED BY THE CONTRACTOR.
4. ALL BACKFILL, SUB-BASE AND/OR BASE COURSE (CLASS 6) MATERIAL SHALL BE COMPACTED TO THE SOCI'S ENGINEER'S RECOMMENDATIONS, AND APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (PCD).
5. ALL STATIONING IS CENTERLINE UNLESS OTHERWISE INDICATED. ALL ELEVATIONS ARE CENTERLINE UNLESS OTHERWISE INDICATED.
6. THE CONTRACTOR SHALL REVEGETATE ALL DISTURBED AREAS AS SOON AS POSSIBLE AND EROSION CONTROL SHALL BE INSTALLED AND MAINTAINED IN A FUNCTIONAL MANNER AT ALL TIMES. DEVELOPER RESPONSIBLE FOR MAINTAINING DISTURBED AREAS UNTIL REVEGETATION IS COMPLETE.
7. ALL DISTURBED PAVEMENT EDGES SHALL BE CUT TO NEAT LINES, REPAIR SHALL CONFORM TO THE EPC ECM APPENDIX K - 1.2C.
8. ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION.
9. BUILDING CONTRACTORS WILL BE RESPONSIBLE FOR CONSTRUCTING POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
10. ASPHALT THICKNESS AND BASE COURSE THICKNESS (COMPACTED) FOR ROADS SHALL BE PER DESIGN REPORT BY OWNER'S GEOTECHNICAL ENGINEER. OWNER'S GEOTECHNICAL ENGINEER TO BE ON SITE AT TIME OF ROAD CONSTRUCTION TO EVALUATE SOIL CONDITIONS AND DETERMINE IF ADDITIONAL MEASURES ARE NECESSARY TO ASSURE STABILITY OF THE NEW ROADS. PAVEMENT DESIGN SHALL BE APPROVED BY PLANNING AND COMMUNITY DEVELOPMENT PRIOR TO CONSTRUCTION.
11. THE CONTRACTOR SHALL REVEGETATE ALL DISTURBED AREAS WITHIN 21 DAYS OF SUBSTANTIAL GRADING COMPLETION. EROSION CONTROL SHALL BE INSTALLED AND MAINTAINED IN A FUNCTIONAL MANNER AT ALL TIMES. DEVELOPER IS RESPONSIBLE FOR MAINTAINING DISTURBED AREAS UNTIL REVEGETATION IS COMPLETE.
12. TYPE I RIP-RAP WITH 4" OF TYPE I GRANULAR BEDDING AND MIRAFI 180N OR EQUAL MAY BE SUBSTITUTED WHERE TYPE L RIP-RAP WITH MIRAFI 7W 700 OR EQUAL IS SPECIFIED
13. ALL MATERIALS AND INSTALLATION PROCEDURES SHALL BE IN COMPLIANCE WITH ANY AND ALL APPLICABLE EL PASO COUNTY STANDARDS.
14. 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.

1. ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
3. CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:
 - a. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
 - b. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
 - c. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 - d. CDOT M & S STANDARDS
4. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL, VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
5. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT – INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), AND FEDERAL/STATE/LOCAL/FLORIDA DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS—ISSUED 401 AND/OR 404 PERMITS, AND SCOPED AND STATE FUGITIVE DUST PERMITS.
8. CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
10. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
12. SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS AND MUTCD CRITERIA.
14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
15. THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
4. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
5. STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
6. ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
7. ALL STREET NAME SIGNS SHALL HAVE "D" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING 4" UPPER-LOWER CASE LETTERING ON 8" BLANK AND NON-LOCAL ROADWAY SIGNS BEING 6" LETTERING, UPPER-LOWER CASE ON 12" BLANK, WITH A WHITE BORDER THAT IS NOT RECESSED. MULTI-LANE ROADWAYS WITH SPEED LIMITS OF 40 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING ON 18" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD "STANDARD HIGHWAY SIGNS".
8. ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
9. ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" X 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614-6 REGARDING USE OF THE P2 TUBULAR STEEL POST SPLURGE DESIGN.
10. ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
11. ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 12" WIDE AND 8' LONG PER CDOT S-627-1.
12. ALL LONGITUDINAL LINES SHALL BE A MINIMUM 15MIL THICKNESS EPOXY PAINT. ALL NON-LOCAL RESIDENTIAL ROADWAYS SHALL INCLUDE BOTH RIGHT AND LEFT EDGE LINE STRIPING AND ANY ADDITIONAL STRIPING AS REQUIRED BY CDOT S-627-1.
13. THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT **(710) 520-8819** PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
14. THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (DPW) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

A. A 1-1/2" ALUMINUM SURVEYORS CAP STAMPED "CCES LLC PLS 3018" LOCATED AT THE SOUTHWESTERLY CORNER OF FOREST LAKES FILING NO. 6, APPROXIMATELY 572.93 FEET SOUTHERLY FROM THE CENTER QUARTER CORNER OF SECTION 29, TOWNSHIP 11 SOUTH, RANGE 67 WEST OF THE SIXTH PRINCIPAL MERIDIAN.
ELEV. = 7302.74

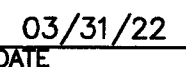
B. A 1-1/2" ALUMINUM SURVEYORS CAP STAMPED "CCES LLC PLS 3018" LOCATED AT THE SOUTHWESTERLY CORNER OF FOREST LAKES FILING NO. 7, APPROXIMATELY 357.21 FEET NORTHERLY FROM THE SOUTH QUARTER CORNER OF SECTION 29, TOWNSHIP 11 SOUTH, RANGE 67 WEST OF THE SIXTH PRINCIPAL MERIDIAN.
ELEV. = 7216.16



SHEET 1 OF 31	TITLE SHEET
SHEET 2 OF 31	GRADING AND EROSION CONTROL PLAN
SHEET 3 OF 31	GRADING AND EROSION CONTROL PLAN
SHEET 4 OF 31	GRADING AND EROSION CONTROL PLAN
SHEET 5 OF 31	GRADING AND EROSION CONTROL PLAN NOTES & DETAIL SHEET
SHEET 6 OF 31	GRADING AND EROSION CONTROL PLAN DETAIL SHEET
SHEET 7 OF 31	GRADING AND EROSION CONTROL PLAN DETAIL SHEET
SHEET 8 OF 31	KEY MAP WITH TYPICAL STREET SECTIONS
SHEET 9 OF 31	STREET IMPROVEMENT PLAN (MESA TOP DRIVE STA: 1+00-15+50)
SHEET 10 OF 31	STREET IMPROVEMENT PLAN (MESA TOP DRIVE STA: 15+50-END)
SHEET 11 OF 31	STREET IMPROVEMENT PLAN (HORSE TRADER PLACE)
SHEET 12 OF 31	STREET IMPROVEMENT PLAN (MOUNTAIN LEDGE LANE/UTE MOUNTAIN COURT)
SHEET 13 OF 31	STREET IMPROVEMENT PLAN (FOOTHILLS FLASH COURT)
SHEET 14 OF 31	PEDESTRIAN RAMP DETAILED GRADING
SHEET 15 OF 31	STREET LIGHT POLE LOCATION PLAN
SHEET 16 OF 31	STORM SEWER PLAN & PROFILE (MAIN A, & MAIN B)
SHEET 17 OF 31	STORM SEWER PLAN & PROFILE (MAIN C)
SHEET 18 OF 31	STORM SEWER PLAN & PROFILE (MAIN D & POND OUTFALL)
SHEET 19 OF 31	STORM SEWER PLAN & PROFILE (MAIN E)
SHEET 20 OF 31	STORM SEWER PLAN & PROFILE (BYPASS SYSTEM STA: 1+00-13+50)
SHEET 21 OF 31	STORM SEWER PLAN & PROFILE (BYPASS SYSTEM STA: 13+50-END)
SHEET 22 OF 31	PRIVATE POND 'A' FULL SPECTRUM DETENTION
SHEET 23 OF 31	POND OUTFALL - 30" IMPACT STRUCTURE & BYPASS MAIN - 48" IMPACT STRUCTURE
SHEET 24 OF 31	MAIN 'A' - 48" IMPACT STRUCTURE & FOREBAY
SHEET 25 OF 31	POND OUTLET BOX - PROFILE VIEW
SHEET 26 OF 31	POND OUTLET BOX AND MICROPOOL DETAILS
SHEET 27 OF 31	POND OUTLET BOX DETAILS
SHEET 28 OF 31	PRIVATE POND 'A' SPILLWAY DETAILS
SHEET 29 OF 31	DETAIL SHEET
SHEET 30 OF 31	DETAIL SHEET
SHEET 31 OF 31	DETAIL SHEET

TITLE SHEET
SANITARY SEWER PLAN - MESA TOP DR. STA: 1+00.00 - 12+50.00
SANITARY SEWER PLAN - MESA TOP DR. STA: 12+50.00 - END
SANITARY SEWER PLAN - HORSE TRADER PL. & MOUNTAIN LEDGE LN
SANITARY SEWER PLAN - FOOTHILLS FLASH CT. STA: 1+00.00 - EN
PUBLIC 8" PVC WATER SYSTEM PLAN
UTILITY SERVICE PLAN
UTILITY SERVICE PLAN/DETAILS

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 CONFORMANCE WITH ALL APPLICABLE CITY AND COUNTY ORDINANCES. I, THE MASTER ENGINEER, HEREBY CERTIFY THAT ALL SUCH 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 DIRECTLY CAUSED BY THE NEGLIGENCE OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.



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

3-31-22
DATE

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.

IN ACCORDANCE WITH 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.

DATE _____

PCD FILE # SF-21-49

48 HOURS BEFORE YOU DIG,
CALL UTILITY LOCATORS

811

UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

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NO. REVISION

DATE

REVIEW:

PREPARED UNDER CLOSEST SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING AND SURVEYORS, LLC

29794

KYLE R. CANFIELD, P.E. #29794

03/31/22

DATE

CLASSIC CONSULTING

SM

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

FOREST LAKES FILING NO. 7
CONSTRUCTION PLANS

TITLE SHEET

DESIGNED BY

MAL

SCALE

DATE

05/21/21

DRAWN BY

MES

(H) 1"= N/A

SHEET

1 OF 31

CHECKED BY

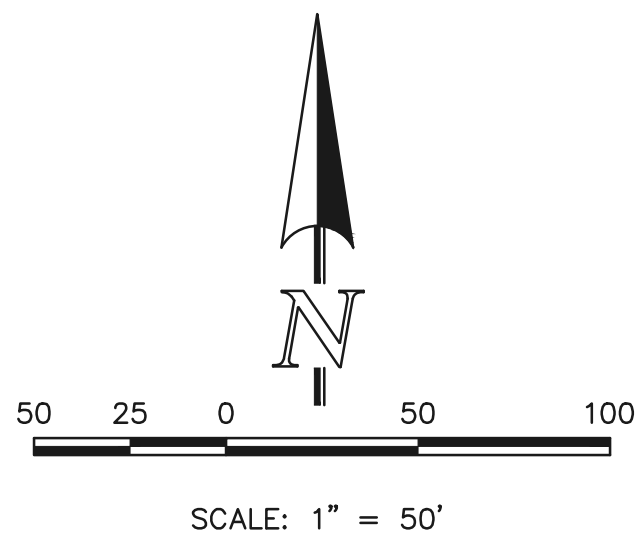
(V) 1"= N/A

JOB NO.

1175.70

CLASSIC CONSULTING

N:\17570\DRAWINGS\CONSTRUCTION\GRADING-EROSION\02-17570-CR-01.dwg, 3/31/2022 12:15:05 PM, 1:1



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.

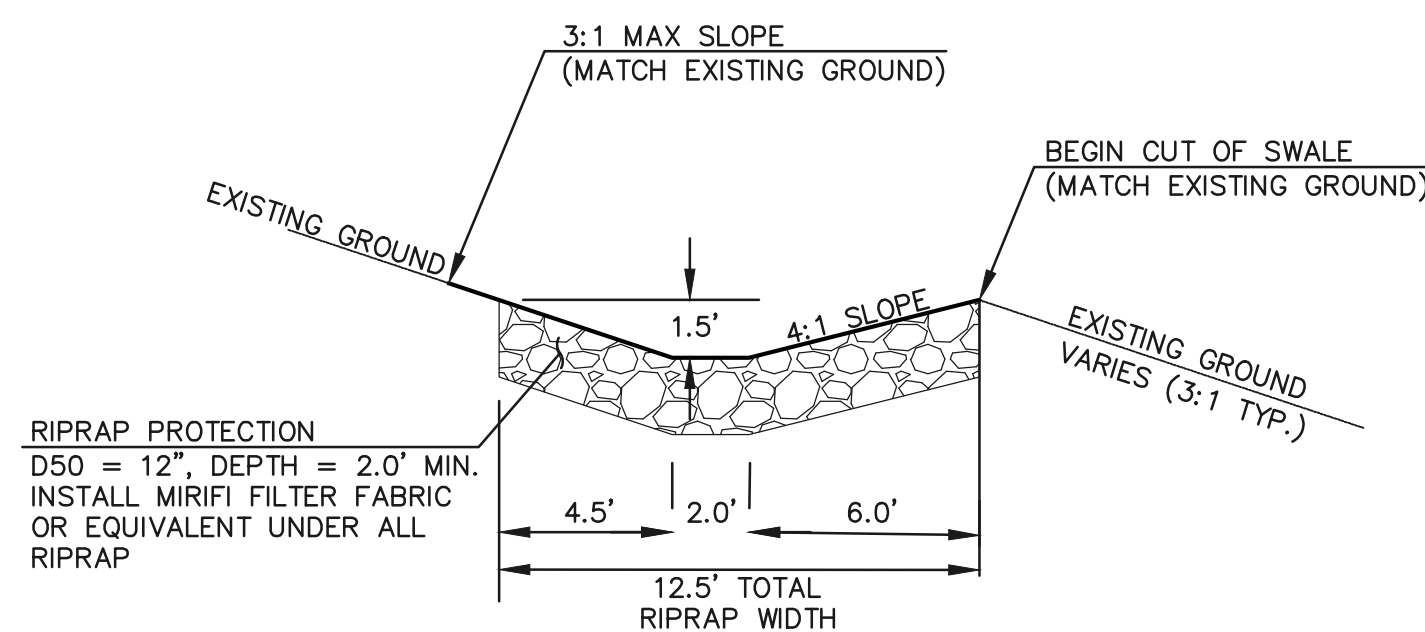
LEGEND

---	(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

CCM PHASING

EX TSB	EXISTING TEMPORARY SEDIMENT BASIN	(INSTALLED DURING INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE)
X SF	EXISTING SILT FENCE	(INSTALLED PRIOR TO INITIAL PHASE (EGP) WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES)
EX SBB	EXISTING STRAW BALE CHECK DAM	(INSTALLED DURING INITIAL PHASE (EGP) WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES)
EX ECB	EXISTING EROSION CONTROL BLANKET	(INSTALLED DURING INTERIM PHASE (EGP) WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
X SF	PROPOSED SILT FENCE	(INSTALL PRIOR TO INITIAL PHASE WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES)
IP	INLET PROTECTION	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
VTC	VEHICLE TRACKING CONTROL	(INSTALL PRIOR TO INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE OR SITE PAVING)
ECB	PROPOSED EROSION CONTROL BLANKET	(INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)

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



RIPRAP SWALE DETAIL
1" = 5'



PCD FILE # SF-21-49

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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. COMPTON, LICENSED PROFESSIONAL ENGINEER
P.E. #29794

03/31/22
DATE

CLASSIC
CONSULTINGSM

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

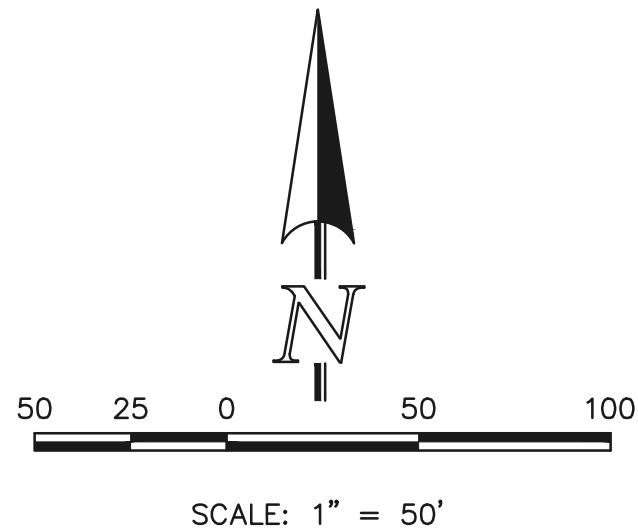
FOREST LAKES FILING NO. 7

GRADING AND EROSION CONTROL PLAN

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	

CLASSIC
CONSULTING

N:\17570\DRAWINGS\CONSTRUCTION\GRADING--EROSION\03-117570-GR-02.dwg, 3/31/2022 12:16:07 PM, 1:1



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- LEGEND**
- (7700) --- EXISTING CONTOUR
 - 7700 --- PROPOSED CONTOUR
 - - - - - PROPOSED LIMITS OF GRADING/ CONSTRUCTION SITE BOUNDARY
 - - - - - BOUNDARY R.O.W. LINE
 - EXISTING FLOW DIRECTION
 - PROPOSED FLOW
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 - "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
 - PROPOSED SILT FENCE
 - INLET PROTECTION
 - VEHICLE TRACKING CONTROL
 - 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 INITIAL PHASE WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES)
 - (INSTALL DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
 - (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

NOTES:
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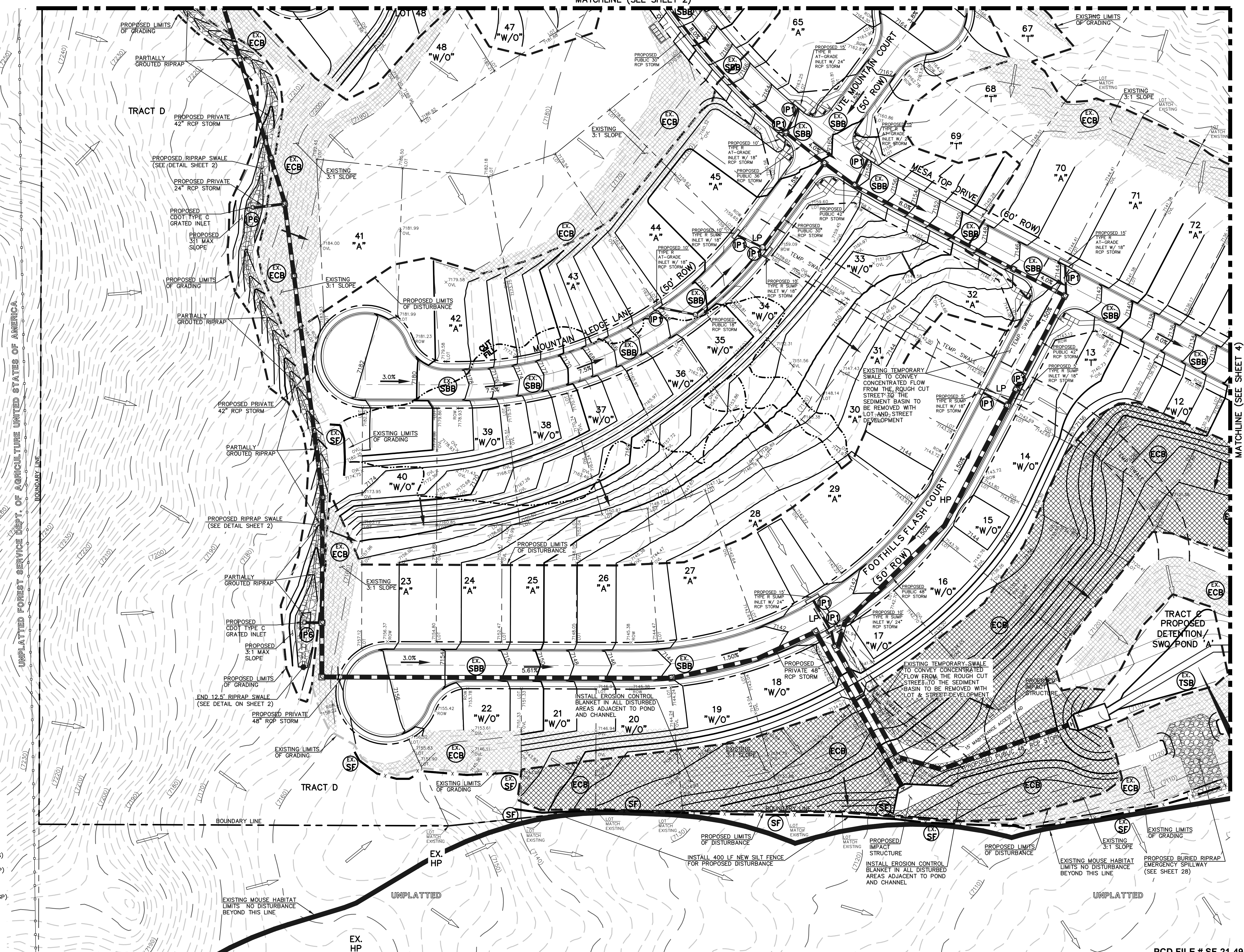
NO.	REVISION	DATE

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

KYLE R. O'CONNELL, P.E. #29794
03/31/22
DATE

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

FOREST LAKES FILING NO. 7			
GRADING AND EROSION CONTROL PLAN			
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



PCD FILE # SF-21-49

STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.

NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS OR 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 CURRENT VERSION OF THE DESIGNATED QUALIFIED EROSION CONTROL MANAGER OR CERTIFIED EROSION CONTROL INSPECTOR. THE SWMP SHALL BE LOCATED ON SITE AT ALL TIMES DURING CONSTRUCTION AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.

ONCE THE ESQOP 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. A PRIOR TO THE BEGINNING OF CONSTRUCTION, THE APPLICANT, CONTRACTOR, AND EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF.

CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, AND DISTURBED LAND AREAS SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF THE DISTURBANCE.

ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE ACTIVITIES SHALL ASSESS THE ADEQUACY OF CONTROL MEASURES AND IDENTIFY IF CHANGES TO THOSE CONTROL MEASURES ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CONTROL MEASURES. ALL CHANGES TO TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE INCORPORATED INTO THE STORMWATER MANAGEMENT PLAN.

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.

FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES ARE COMPLETE AND ALL DISTURBED AREAS EITHER HAVE A UNIFORM VEGETATIVE COVER WITH INDIVIDUAL PLANT DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS OR EQUIVALENT SOIL PROTECTION OR EQUIVALENT STABILIZATION METHOD IS IMPLEMENTED. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON FINAL STABILIZATION AND BEFORE PERMIT CLOSURE.

ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT AFFECT THE DESIGN OR FUNCTION OF PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE EGM ADMINISTRATOR PRIOR TO IMPLEMENTATION.

EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSURE OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A WATERS OF THE STATE UNLESS SUCH TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED.

COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES OR WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. SOIL COMPACTION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS. ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENEED PRIOR TO INSTALLATION OF THE CONTROL MEASURE(S).

ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF SITE.

CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUTS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK OR STREAM.

DURING DEWATERING OPERATIONS OF UNCONTAMINATED GROUND WATER MAY BE DISCHARGED ON SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF UNLESS AN APPROVED STATE DEWATERING PERMIT IS IN PLACE.

EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.

WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. CONTROL MEASURES MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.

TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.

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 AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.

THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.

NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ON-SITE. ANY PERSONS OR FIRMS THAT ARE USING OR HAVE USED SUCH MATERIALS ARE GRANTED IN WRITING THE FOLLOWING: A. GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.

BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL BE STORED IN A SECONDARY CONTAINMENT OR PROTECTION TO CONTAIN ALL SPILLS ON-SITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR OTHER FACILITIES.

NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.

OWNER/DEVELOPER AND THEIR AGENTS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 6, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, DCM VOLUME II AND THE EGM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESOLUTION OF ANY CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.

ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.

PRIOR TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.

A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.

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.

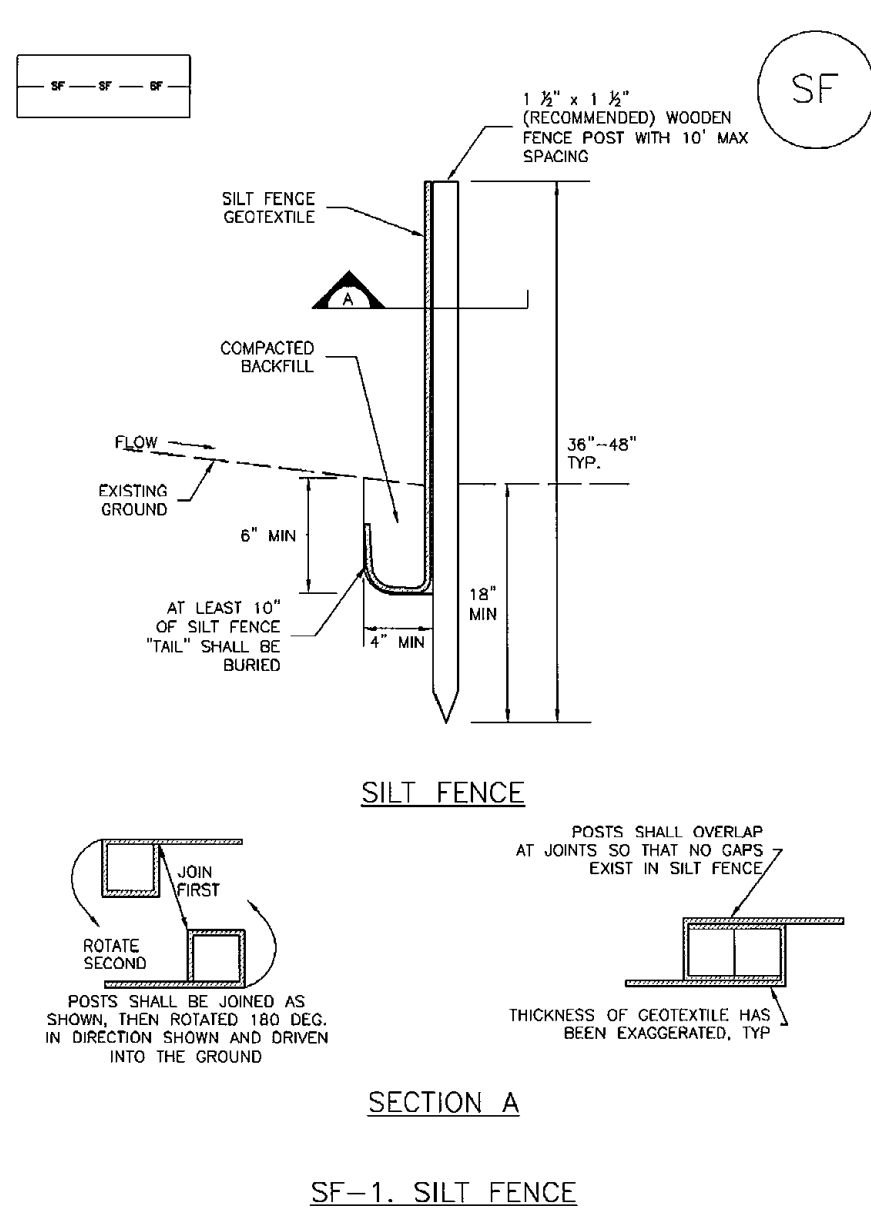
AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (SWMP), OF WHICH THE GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

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. THE USE OF CONSTRUCTION OFFICE TRAILERS REQUIRES PCD PERMITTING.
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. A PLAN IS NOT NEEDED FOR THE FINAL STAGE.

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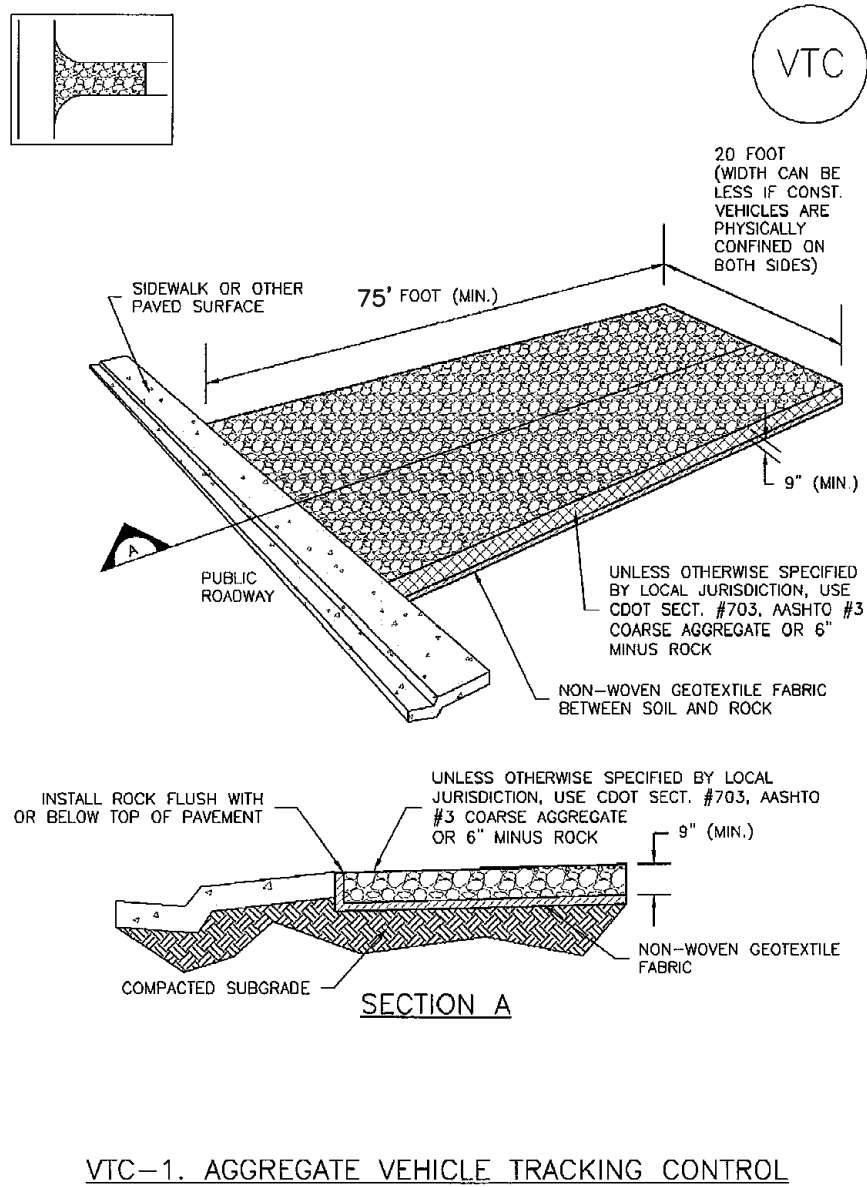
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November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SF-3

Vehicle Tracking Control (VTC)

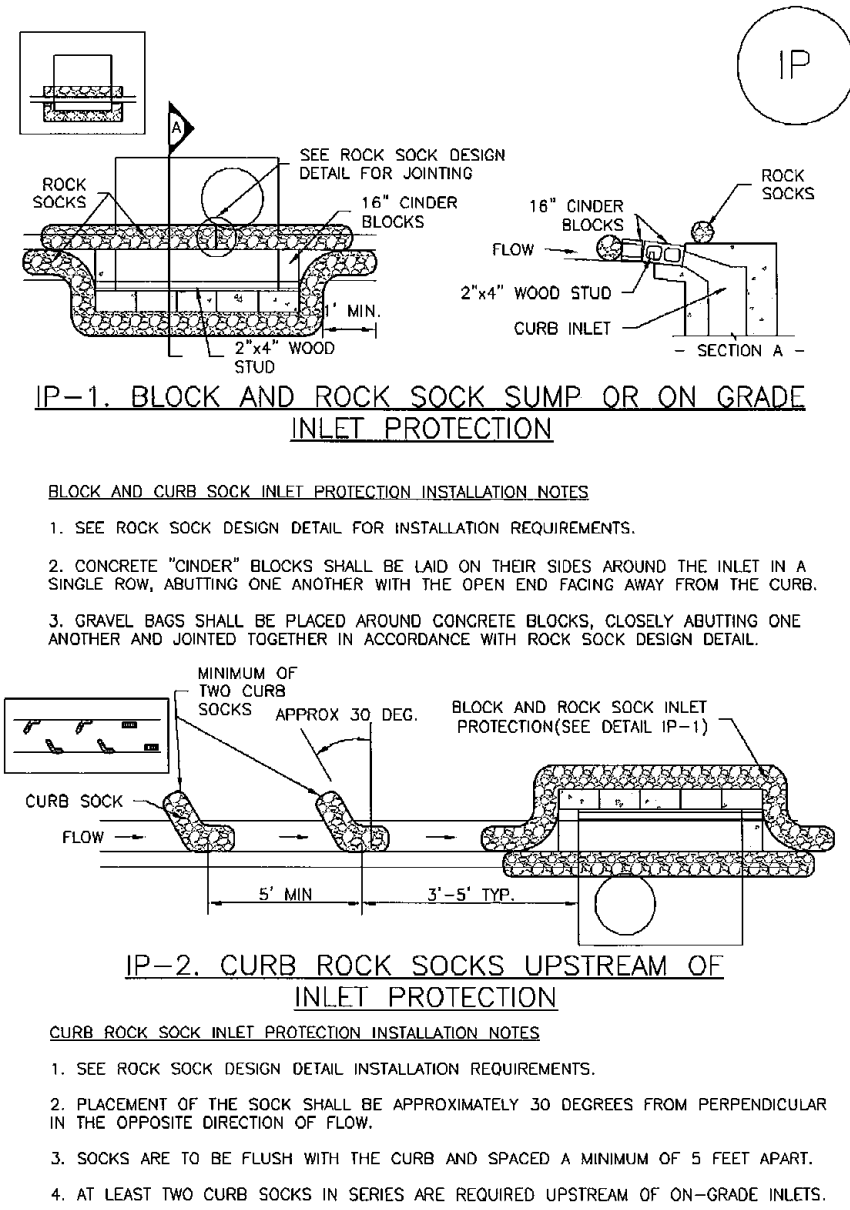
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November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-3

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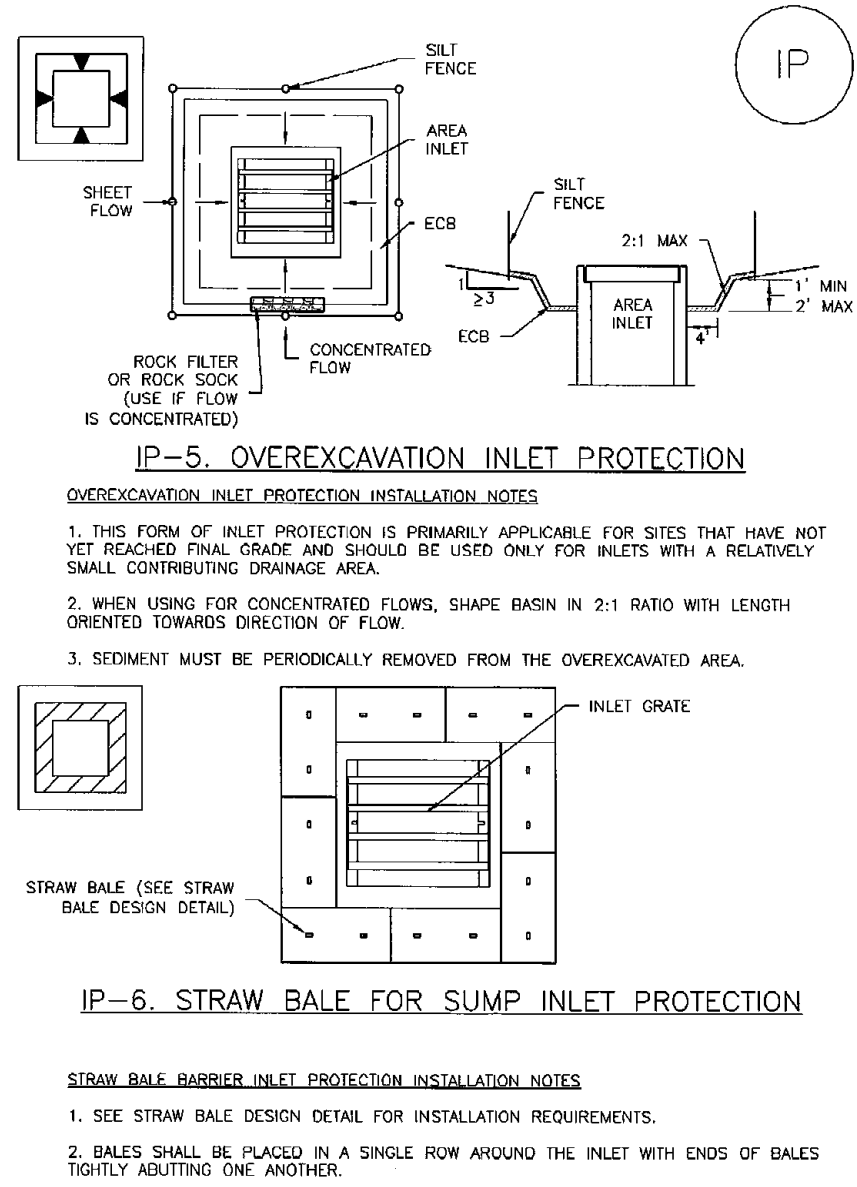
Inlet Protection (IP)



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

SC-6

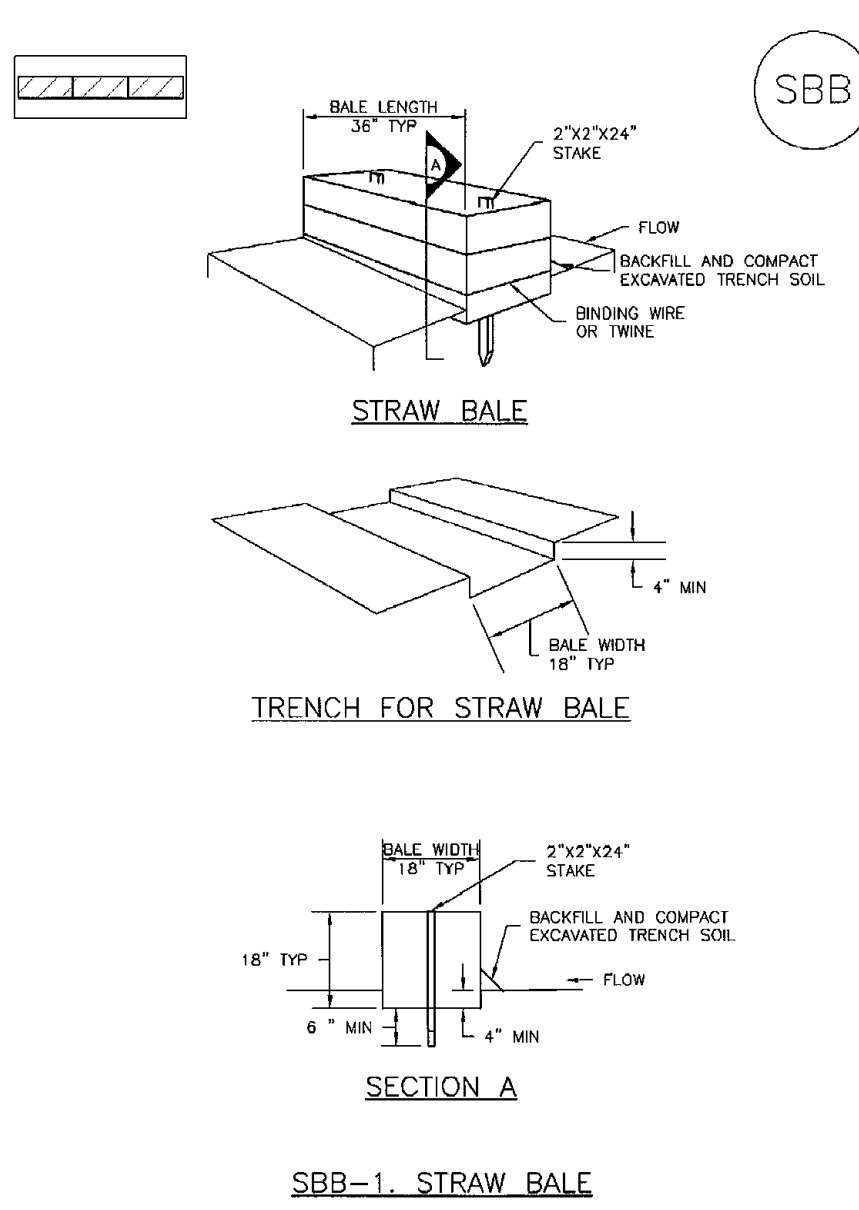
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IP-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 August 2013

SC-3

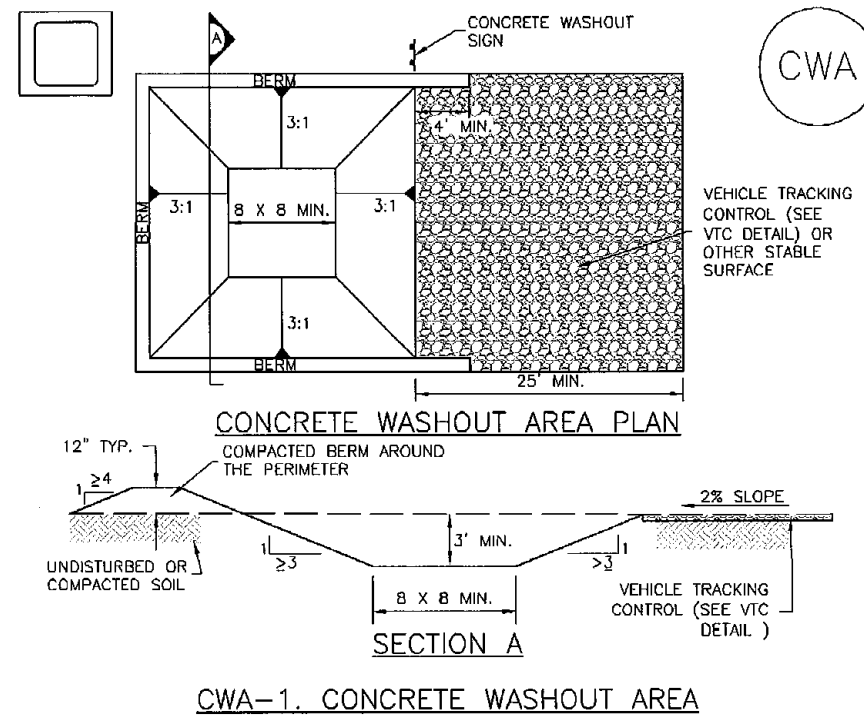
Straw Bale Barrier (SBB)



SBB-2 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Concrete Washout Area (CWA)

MM-1



CWA-1. CONCRETE WASHOUT AREA
CWA INSTALLATION NOTES
1. SEE PLAN VIEW FOR:
-CWA INSTALLATION LOCATION.
2. DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (6 IN MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE ARE SHOULD BE USED.
3. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
4. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8' SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER THE PIT SHALL BE AT LEAST 3' DEEP.
5. BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.
6. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.
7. SIGN SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP TRUCKS.
8. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

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
1. 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.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. 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'.
5. 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.
6. THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
7. 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 IUDCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

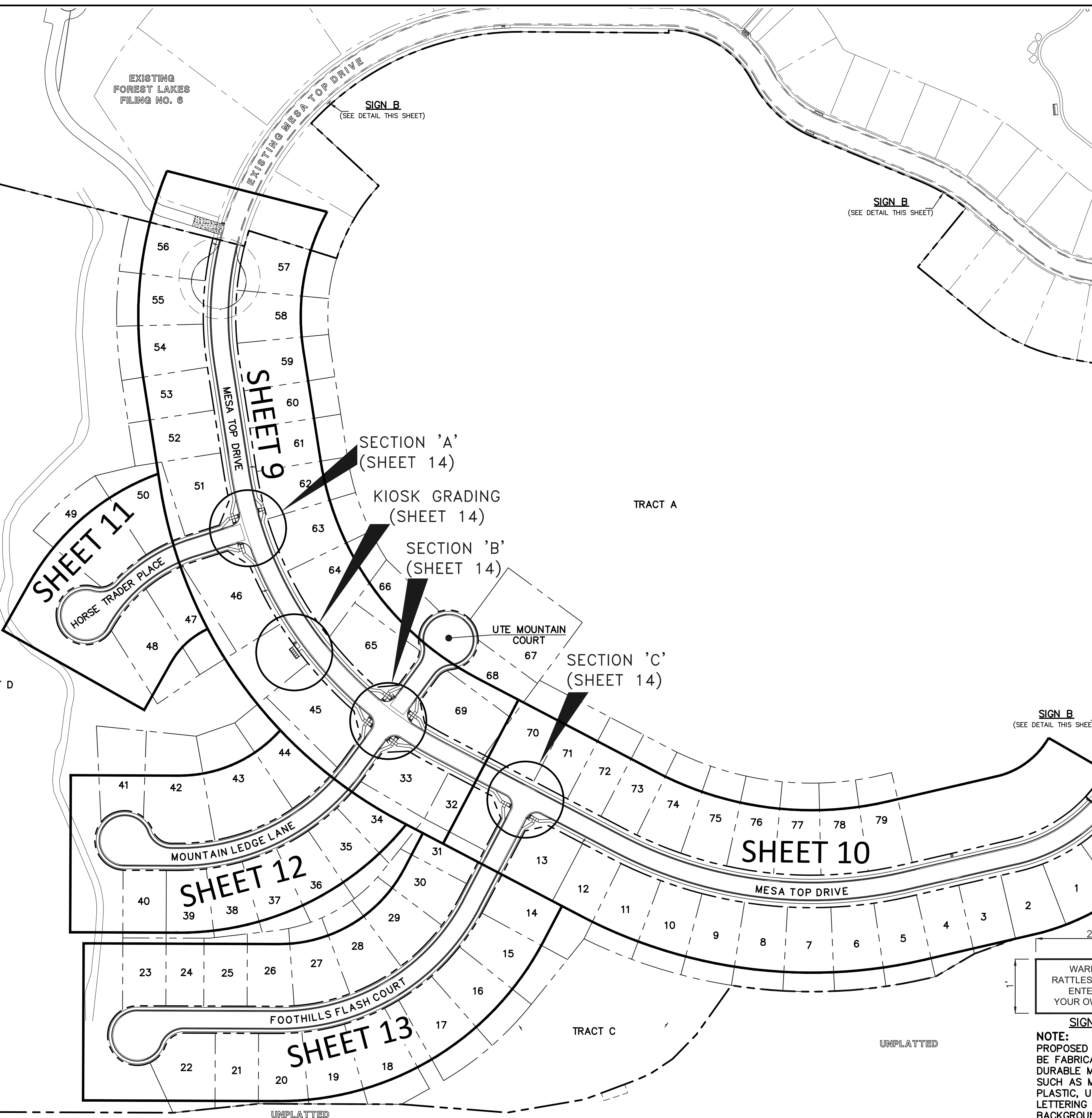
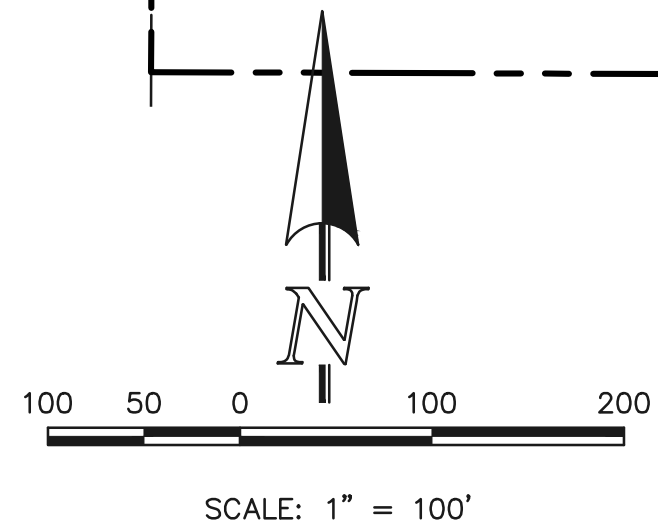
CWA-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

PCD FILE # SF-21-49

<p>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS 811 UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW</p> <p>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.</p>	<table><tr><th>NO.</th><th>REVISION</th><th>DATE</th></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table>	NO.	REVISION	DATE																						<p>REVIEW:</p> <p>PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC</p> <p><i>[Signature]</i> KYLE R. COWEN, P.E. #29794</p> <p>03/31/22 DATE</p>	<p>CLASSIC CONSULTING</p> <p>619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903</p> <p>(719)785-0790 (719)785-0799(Fax)</p>	<p>FOREST LAKES FILING NO. 7 CONSTRUCTION PLANS GRADING AND EROSION CONTROL PLAN EROSION CONTROL DETAILS</p> <table><tr><td>DESIGNED BY</td><td>MAL</td><td>SCALE</td><td>DATE</td><td>05/21/21</td></tr><tr><td>DRAWN BY</td><td>MES</td><td>(H) 1"= N/A</td><td>SHEET</td><td>7 OF 31</td></tr><tr><td>CHECKED BY</td><td> </td><td>(V) 1"= N/A</td><td>JOB NO.</td><td>1175.70</td></tr></table>	DESIGNED BY	MAL	SCALE	DATE	05/21/21	DRAWN BY	MES	(H) 1"= N/A	SHEET	7 OF 31	CHECKED BY		(V) 1"= N/A	JOB NO.	1175.70
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UNPLATTED FOREST SERVICE DEPT. OF AGRICULTURE UNITED STATES OF AMERICA



ABBREVIATIONS:	
EPC	EL PASO COUNTY
PVC	POLYVINYL CHLORIDE PIPE
R.O.W.	RIGHT-OF-WAY
HMA	HOT MIX ASPHALT
ABC	AGGREGATE BASE COURSE
CONC.	CONCRETE
STA.	STATION
C&G	CURB & GUTTER
MIN.	MINIMUM
FL	FLOWLINE
TYP.	TYPICAL
I.F.O.B.	INSIDE FACE OF BOX

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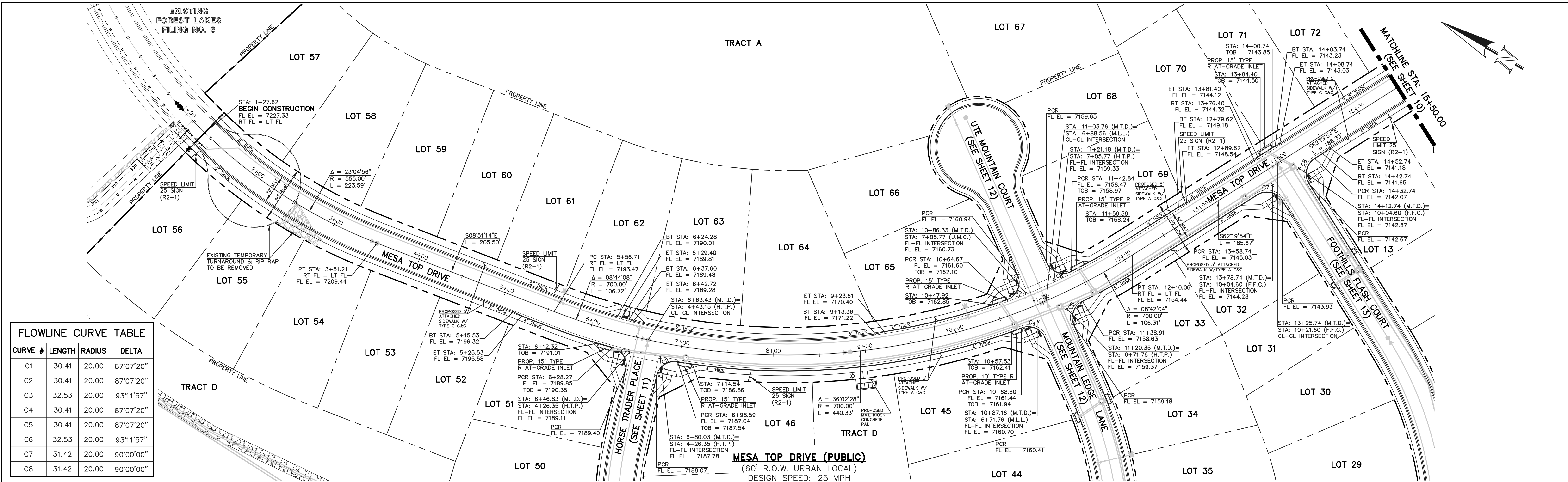
FOREST LAKES FILING NO. 7
PUBLIC STREET IMPROVEMENT PLAN
KEY MAP WITH TYPICAL STREET SECTIONS

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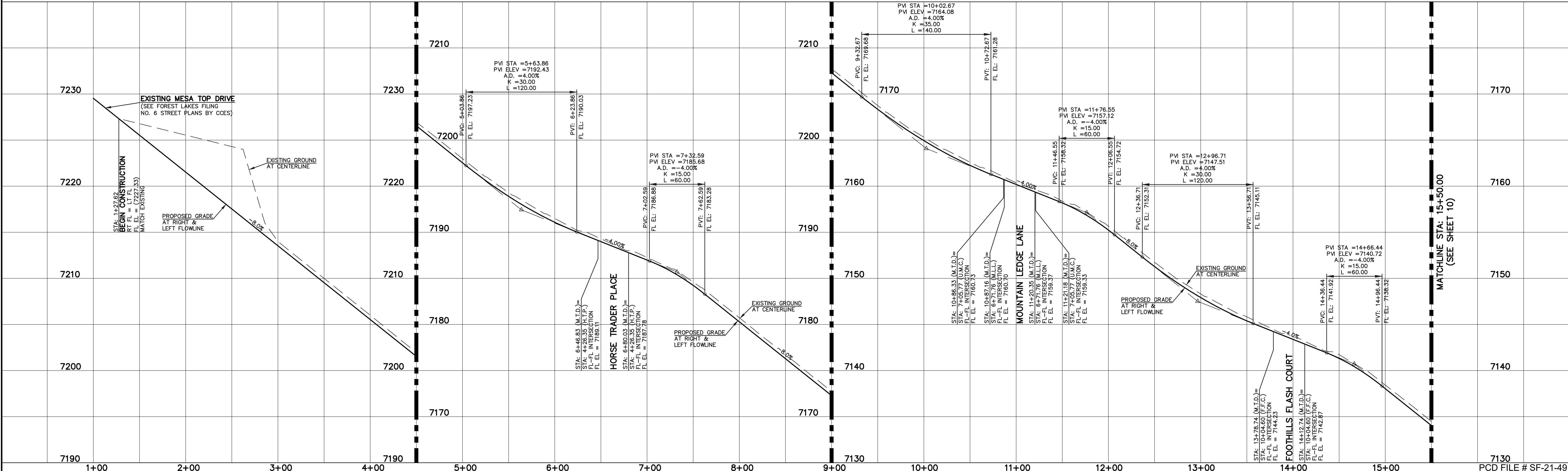
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DATE: 05/21/21
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JOB NO.: 1175.70

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FLOWLINE CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA
C1	30.41	20.00	87°07'20"
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"



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

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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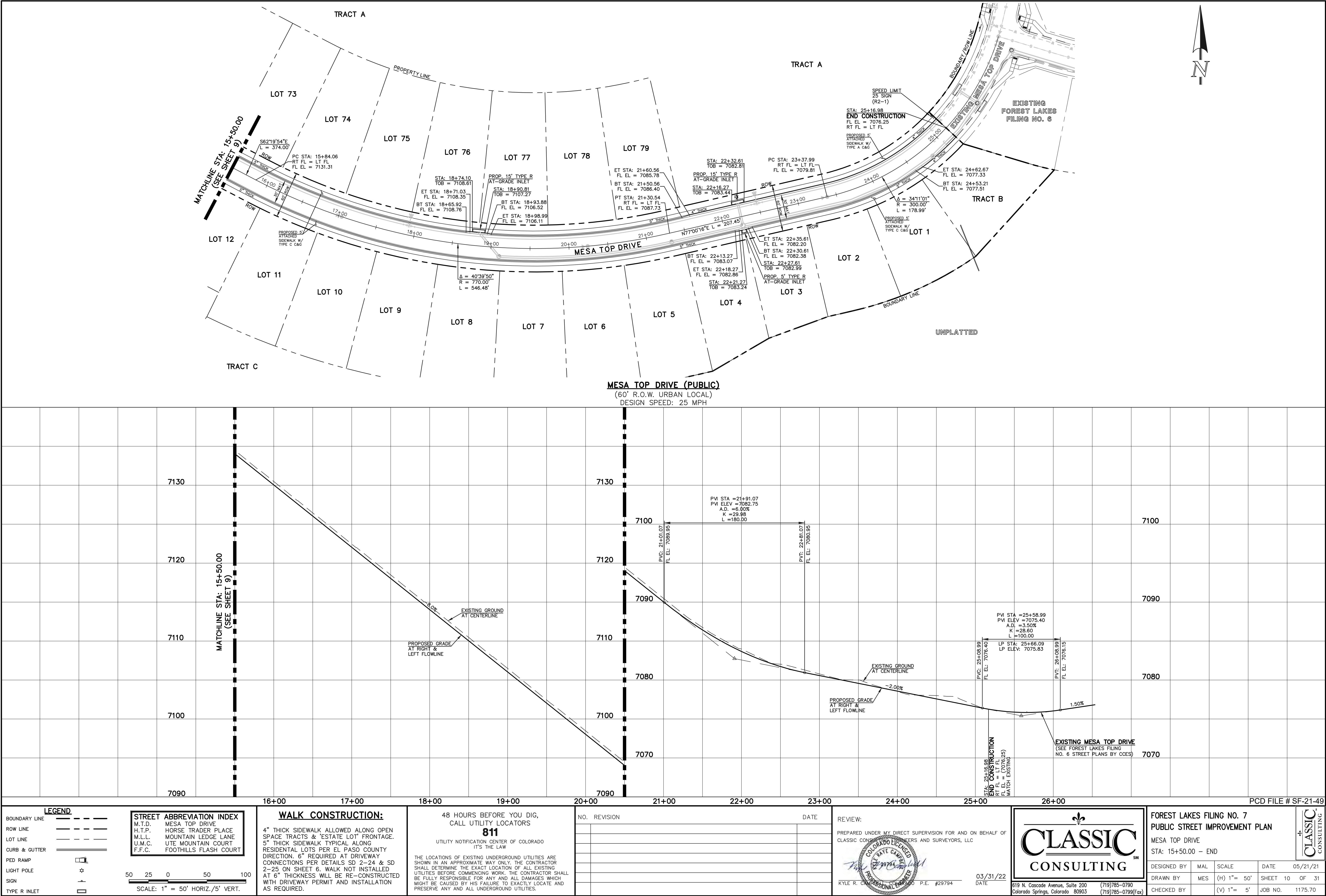
PUBLIC STREET IMPROVEMENT PLAN

MESA TOP DRIVE

STA: 1+00.00 - 15+50.00

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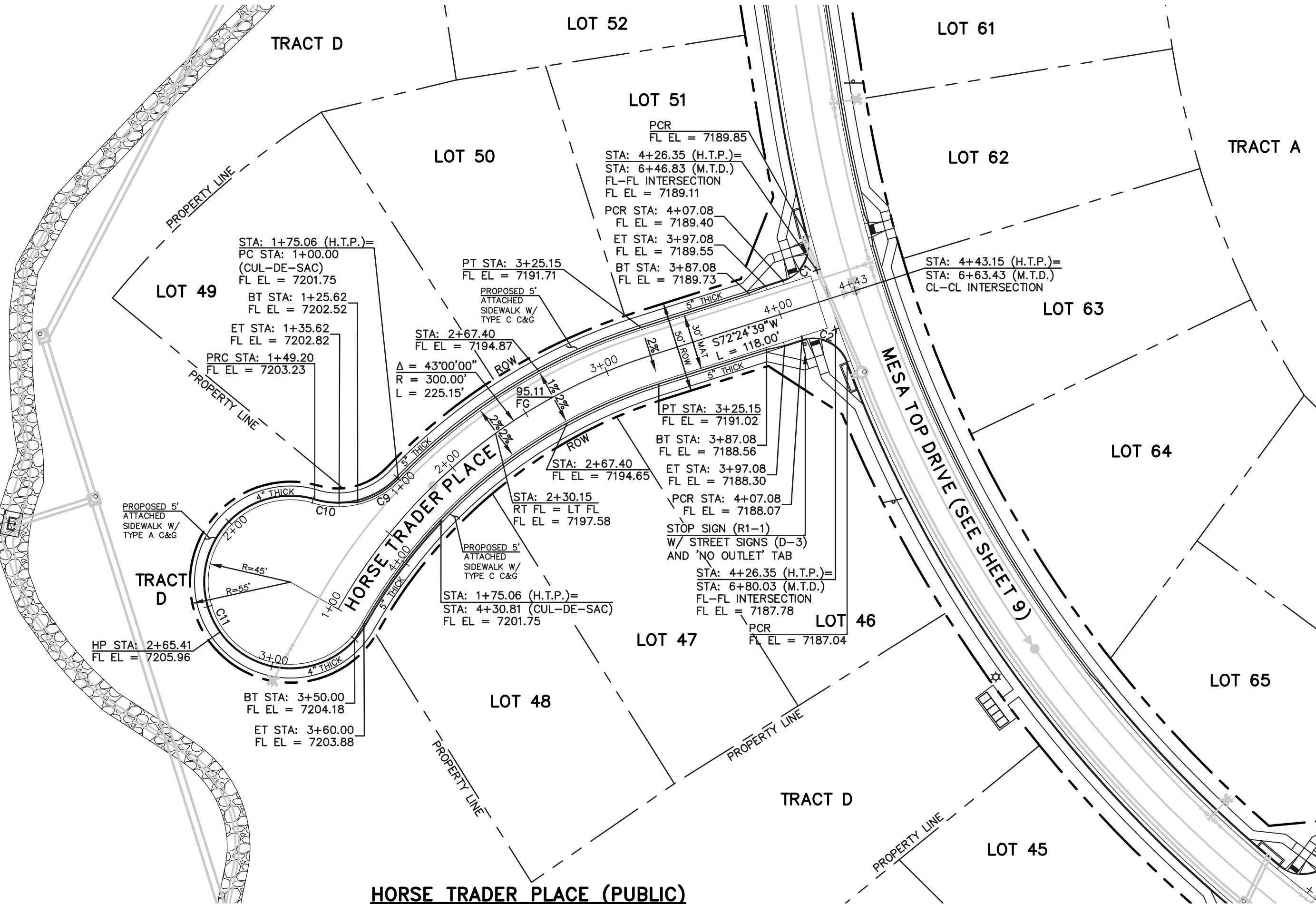
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C2	30.41	20.00	87°07'20"
C9	26.09	45.83	32°37'16"
C10	13.58	45.00	171°7'24"
C11	200.80	47.00	244°47'21"

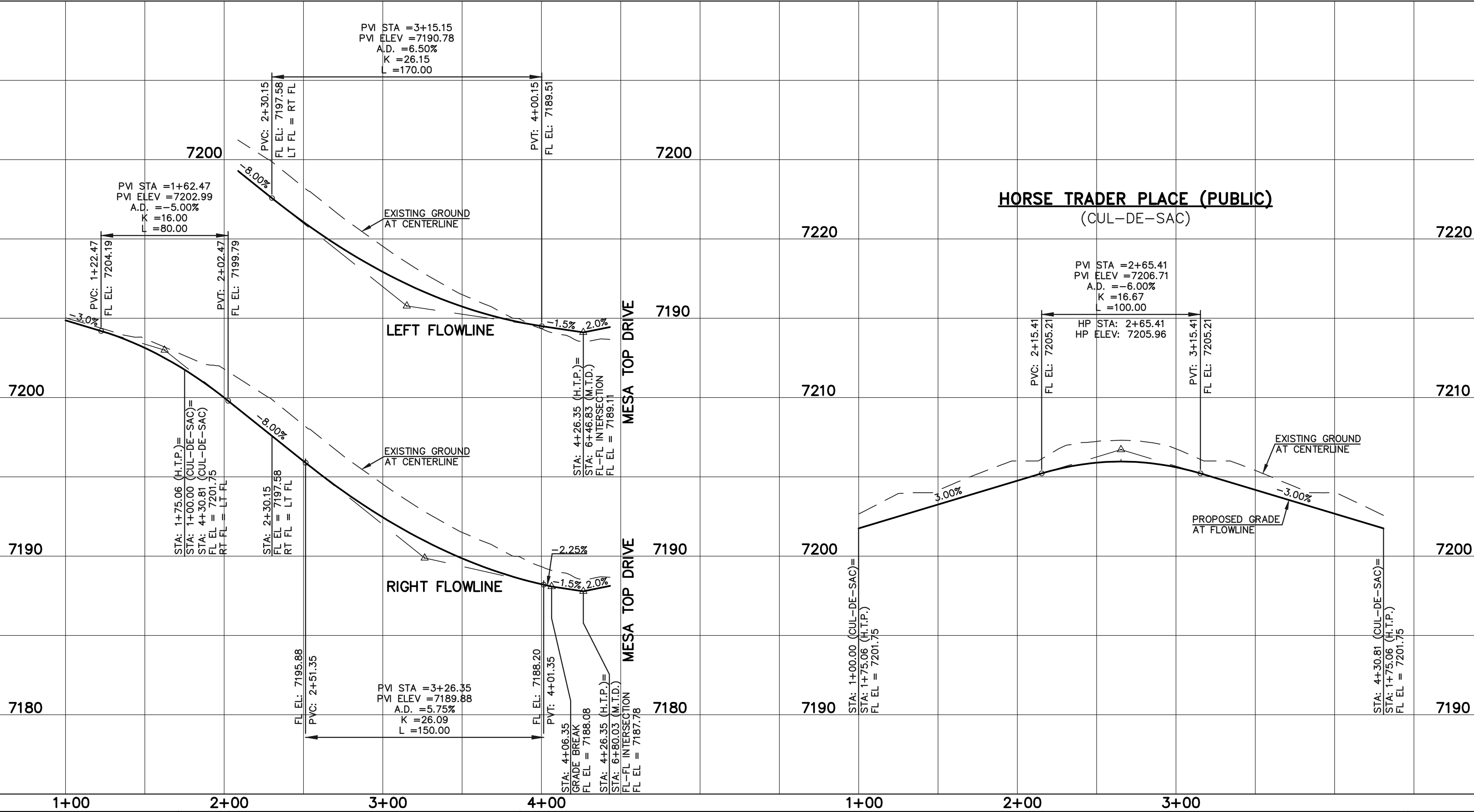
UNPLATTED FOREST SERVICE DEPT. OF AGRICULTURE UNITED STATES OF AMERICA

BOUNDARY LINE

TRACT D



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

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.

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

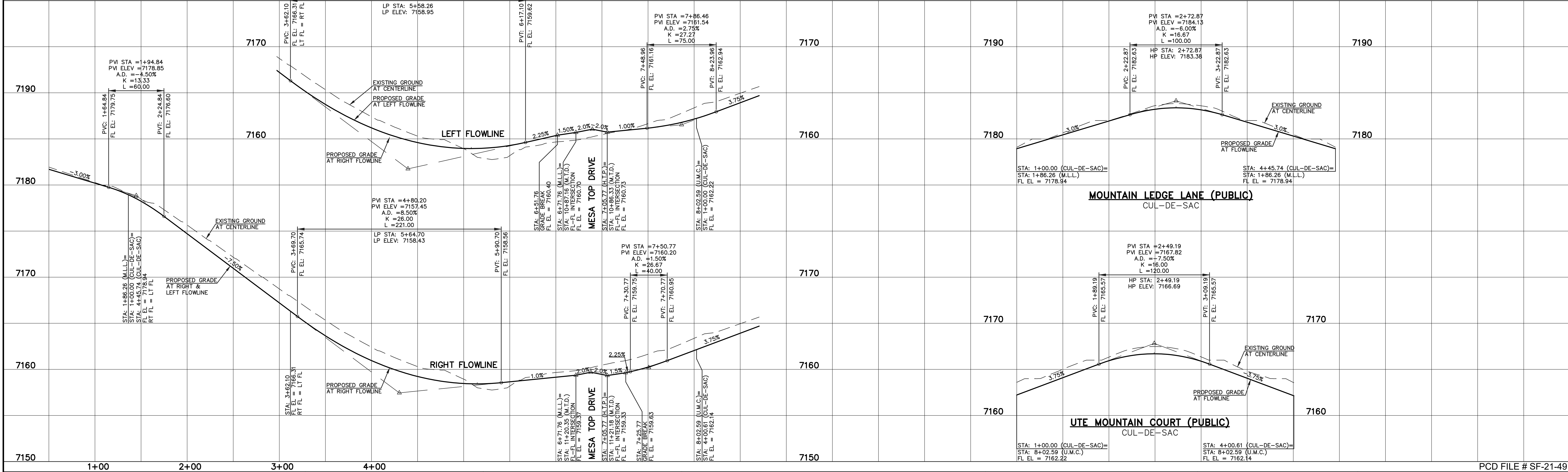
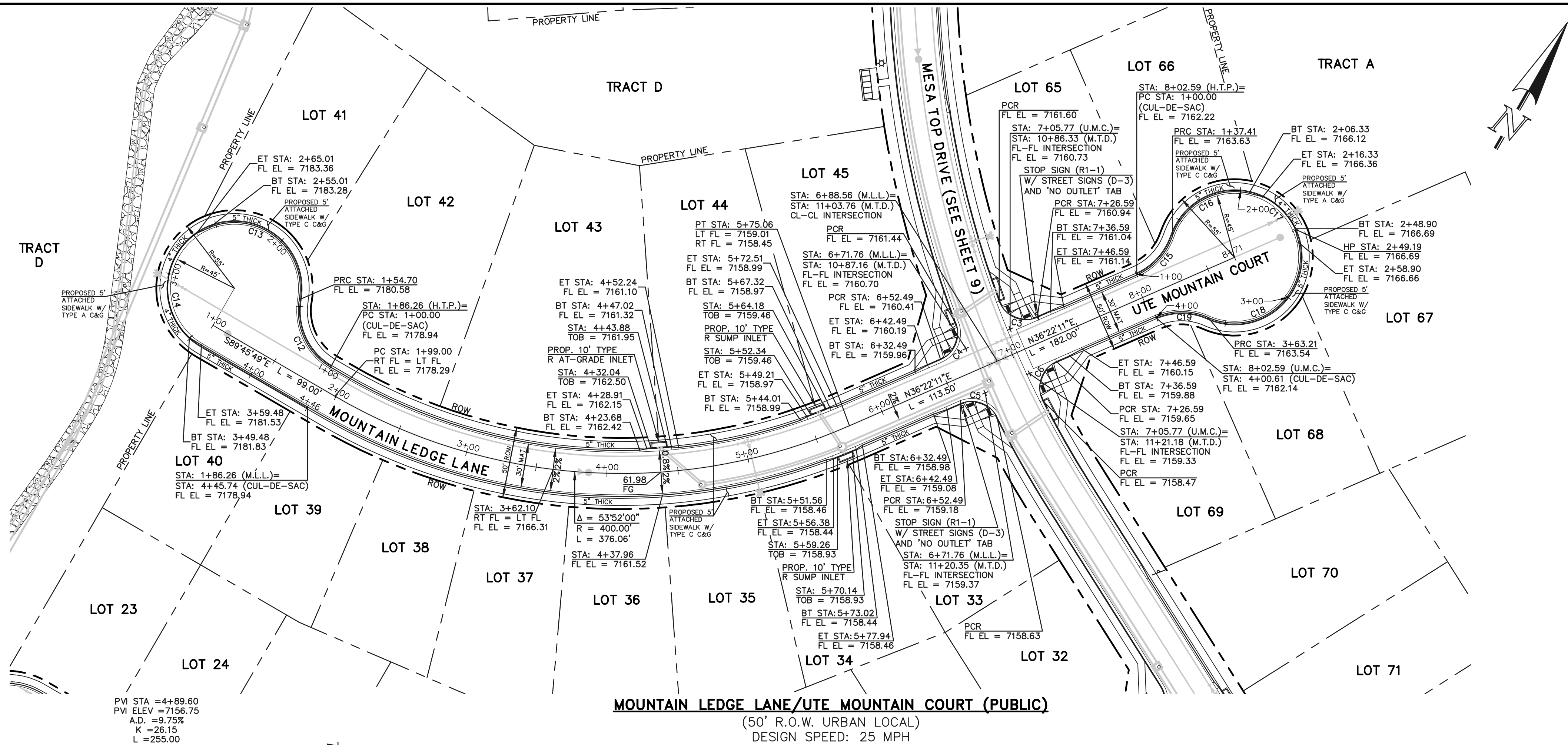
CLASSIC CONSULTING

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

FOREST LAKES FILING NO. 7 PUBLIC STREET IMPROVEMENT PLAN HORSE TRADER PLACE			
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

CLASSIC CONSULTING

FLOWLINE CURVE TABLE				
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"	



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

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KYLE R. COMPTON, P.E. #29794

03/31/22

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Colorado Springs, Colorado 80903

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FOREST LAKES FILING NO. 7

PUBLIC STREET IMPROVEMENT PLAN

MOUNTAIN LEDGE LANE/UTE MOUNTAIN COURT

DESIGNED BY MAL SCALE DATE 05/21/21

DRAWN BY MES (H) 1"= 50' SHEET 12 OF 31

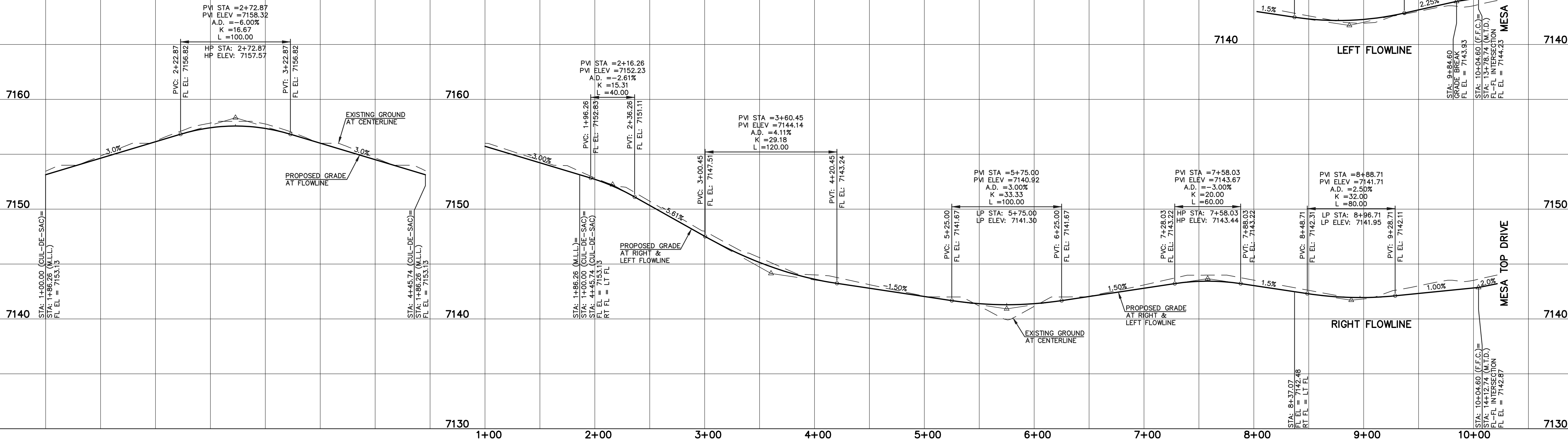
CHECKED BY (V) 1"= 5' JOB NO. 1175.70

PCD FILE # SF-21-49

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"	

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	⬮

STREET ABBREVIATION INDEX	
M.T.D.	MESA TOP DRIVE
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DATE

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CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CHRISTENSEN
P.E. #29794

03/31/22
DATE

CLASSIC
CONSULTING

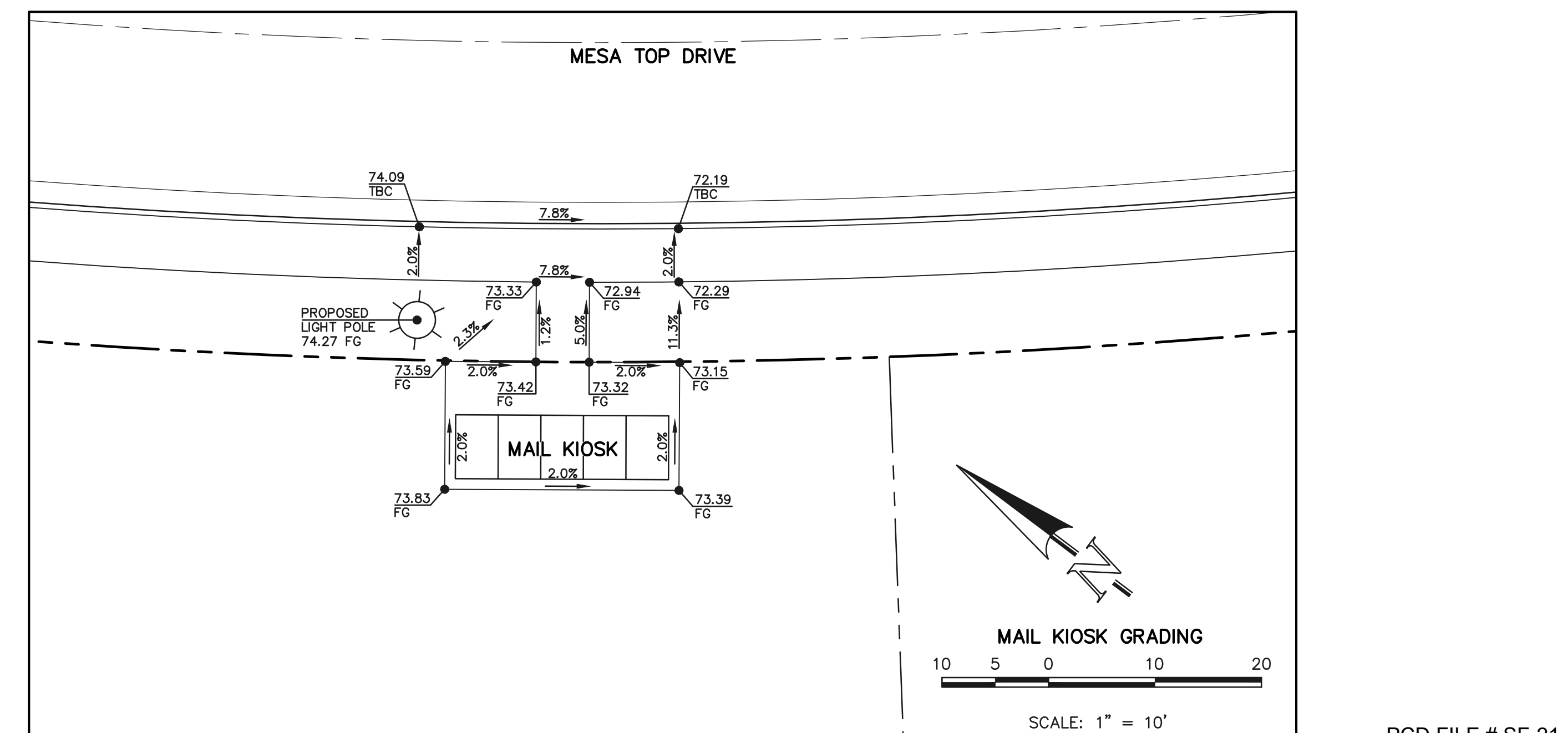
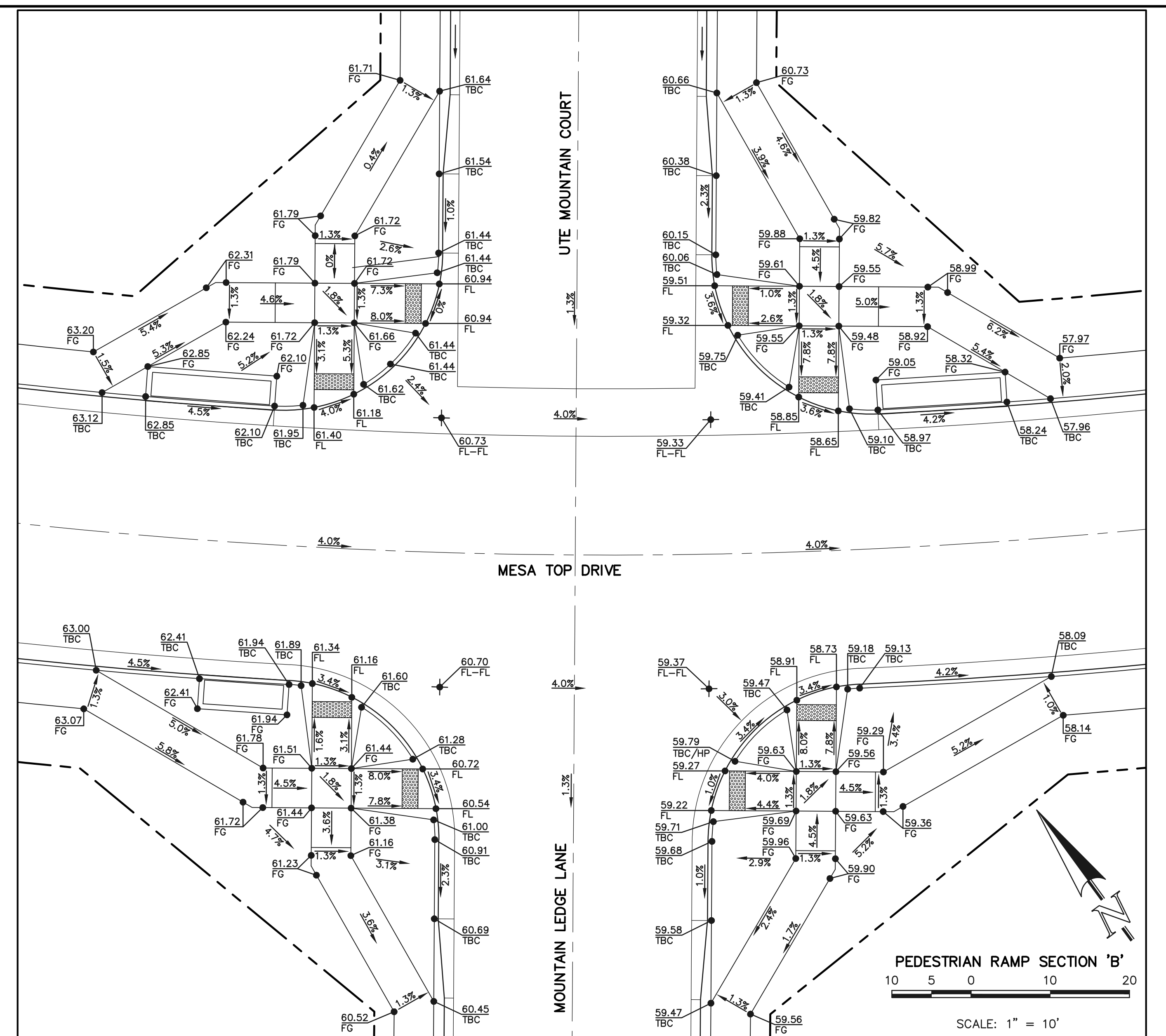
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903



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

FOREST LAKES FILING NO. 7
PUBLIC STREET IMPROVEMENT PLAN
FOOTHILLS FLASH COURT

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

CLASSIC
CONSULTING



<p align="center">48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS</p> <p align="center"><big>811</big></p> <p align="center">UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW</p> <p>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.</p>						<table border="1"> <thead> <tr> <th>NO.</th> <th>REVISION</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>						NO.	REVISION	DATE																												<p>REVIEW:</p> <p>PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC.</p>  <p>KYLE R. CAMPBELL - P.E. #29794</p> <div style="text-align: right;"> 03/31/22 DATE </div>						<div style="border: 2px solid black; padding: 10px; text-align: center;">  CLASSICSM CONSULTING </div> <p>619 N. Cascade Avenue, Suite 200 (719)785-0790 Colorado Springs, Colorado 80903 (719)785-0799(Fax)</p>						<p>FIRST LAKES FILING NO. 7</p> <p>PUBLIC STREET IMPROVEMENT PLAN</p> <p>PEDESTRIAN RAMP DESIGN</p> <table border="1"> <tr> <td>DESIGNED BY</td> <td>MES</td> <td>SCALE</td> <td>DATE</td> <td>05/21/21</td> </tr> <tr> <td>DRAWN BY</td> <td>MES</td> <td>(H) 1"= 10'</td> <td>SHEET 14</td> <td>OF 31</td> </tr> <tr> <td>CHECKED BY</td> <td></td> <td>(V) 1"= N/A</td> <td>JOB NO.</td> <td>1175.70</td> </tr> </table> <div style="float: right; writing-mode: vertical-rl; transform: rotate(180deg); border: 1px solid black; padding: 5px;">CLASSICSM CONSULTING</div>						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
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American Revolution LED Series 247L

PRODUCT OVERVIEW



Applications:

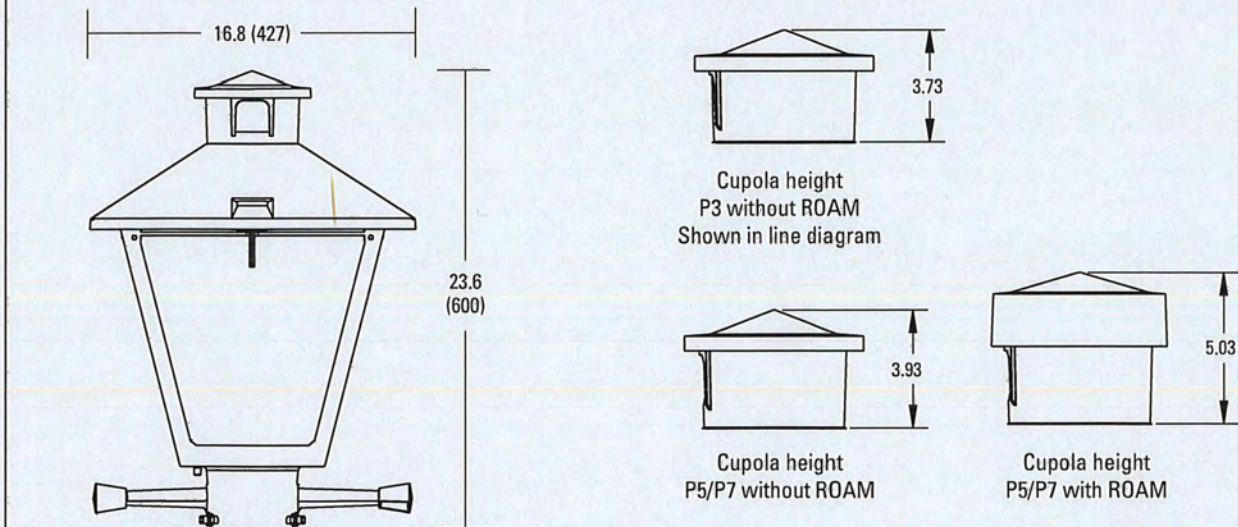
Streetscapes
Walkways
Pathways
Parks

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 to confirm which versions are qualified.

MVEA SPEC # 247L 10LEDE10 MVOLT 4K R5 AY PCLL

DIMENSIONS



Effective Projected Area (EPA)
The EPA for the American Revolution Series 247 is 1.5 sq. ft.
P5 or P7 option total height is 24.9 (633).
Approx. Wt. = 36 lbs.

All dimensions are inches (millimeters) unless otherwise noted.

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

AEL American Electric Lighting

American Revolution LED Series 247L

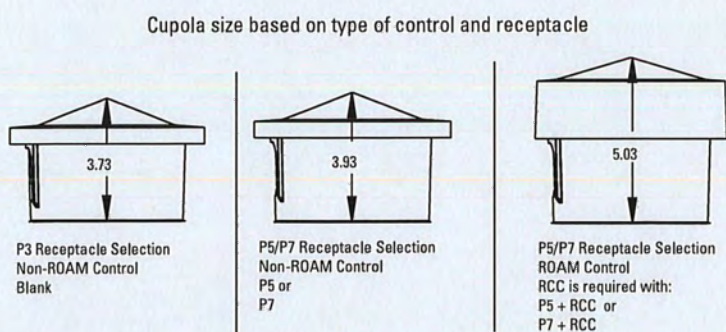
ORDERING INFORMATION

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 R5 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) No Photocontrol Receptacle NR 1 5 pin NEMA Photocontrol Receptacle (dimmable driver included) P7 2 7 pin NEMA Photocontrol Receptacle (dimmable driver included) PCLL 14 Solid State Long Life Photocontrol PCSS 14A Not CSA Listed Solid State Long Life Photocontrol (120-277V)

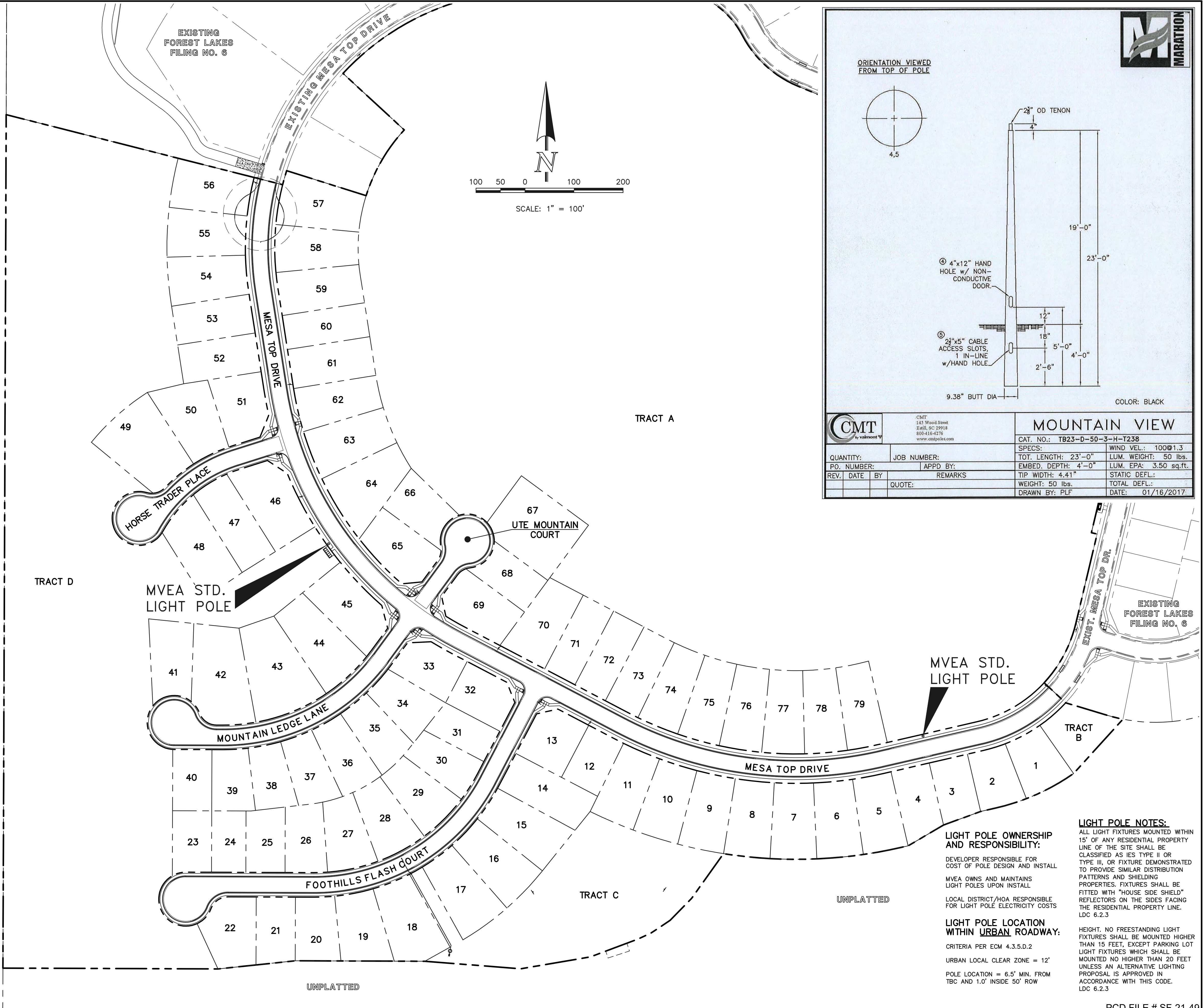
- Notes:
- Other colors available, please contact factory
 - PC and SH not available with NR option
 - Taller cupola cover (RCC) is required when used with ROAM or other similar wireless monitoring control systems
 - Standard failure mode: "Fail On"
 - Photocontrols supplied with ANSI Standard Turn-On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



AEL American Electric Lighting
AEL Headquarters, 3825 Columbus Road, Granville, OH 43023
www.americanelectriclighting.com
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Warranty Five-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx
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.

UNPLATTED FOREST SERVICE DEPT. OF AGRICULTURE UNITED STATES OF AMERICA



ORIENTATION VIEWED FROM TOP OF POLE

4.5
19'-0"
23'-0"
4"
2 1/2" OD TENON
4" x 12" HAND HOLE w/ NON-CONDUCTIVE DOOR.
2 1/2" x 5" CABLE ACCESS SLOTS, 1 IN-LINE w/HAND HOLE.
12"
18"
5'-0"
4'-0"
2'-6"
9.38" BUTT DIA

COLOR: BLACK

CMT CMT 145 Wood Street Earth, NC 29918 800-416-4276 www.cmtlight.com		MOUNTAIN VIEW CAT. NO.: T823-D-50-3-H-T238 SPECS: TOT. LENGTH: 23'-0" EMBED. DEPTH: 4'-0" TIP WIDTH: 4.41" WEIGHT: 50 lbs. DRAWN BY: PLF		WIND VEL.: 100@1.3 LUM. WEIGHT: 50 lbs. LUM. EPA: 3.50 sq.ft. STATIC DEFL.: TOTAL DEFL.: DATE: 01/16/2017	
QUANTITY:	JOB NUMBER:	APPD BY:	REMARKS:	QUOTE:	
REV.	DATE	BY			

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 ECM 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 ASIES 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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811

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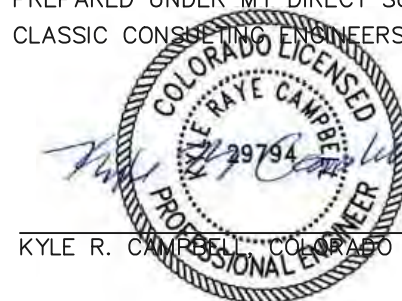
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KYLE R. CAMPBELL, P.E. #29794

03/31/22
DATE

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SM

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

FOREST LAKES FILING NO. 7
PUBLIC STREET IMPROVEMENT PLAN

STREET LIGHT POLE LOCATION PLAN

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

CLASSIC CONSULTING

PCD FILE # SF-21-49

50 25 0 50 100

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

STORM LINE TABLE

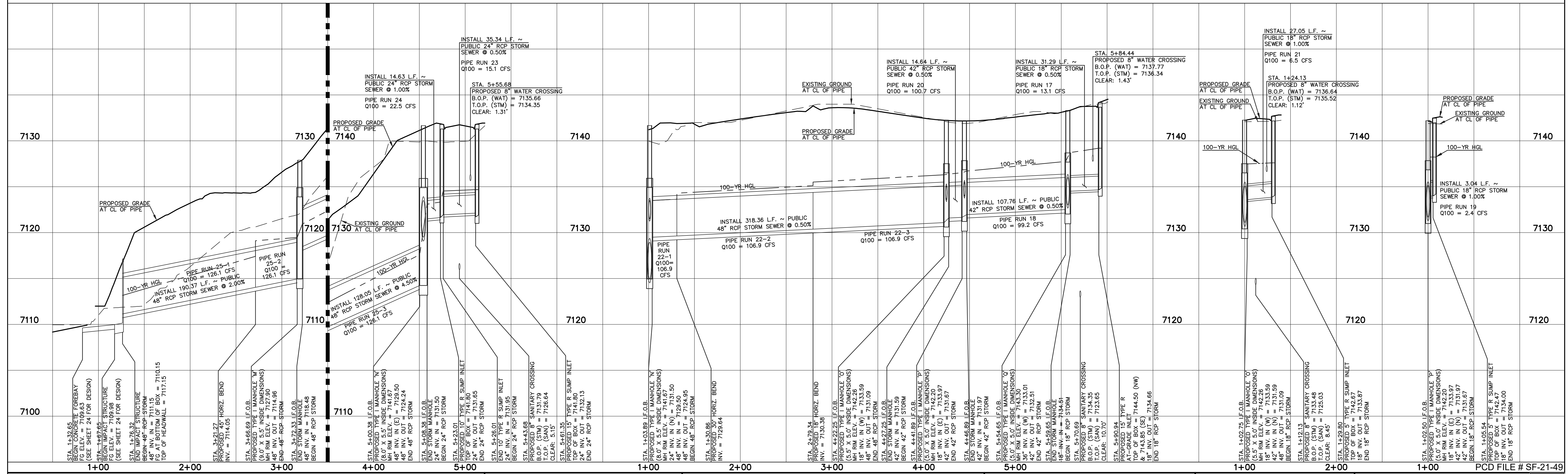
Line #	Length	Direction
L1	144.95	S70°51'03"W
L2	45.42	N74°08'57"W
L3	128.05	N29°08'57"W
L4	14.63	N11°41'04"W
L5	35.34	N30°26'46"W
L6	26.97	S15°51'03"W
L7	148.48	S45°51'03"W
L8	142.90	S27°40'06"W
L9	14.64	S27°40'06"W
L10	107.76	S27°40'06"W
L11	31.29	N01°35'11"W
L12	27.05	N62°19'54"W
L13	3.04	N62°19'54"W

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.

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

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

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



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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03/31/22

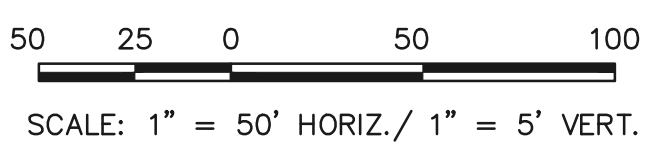
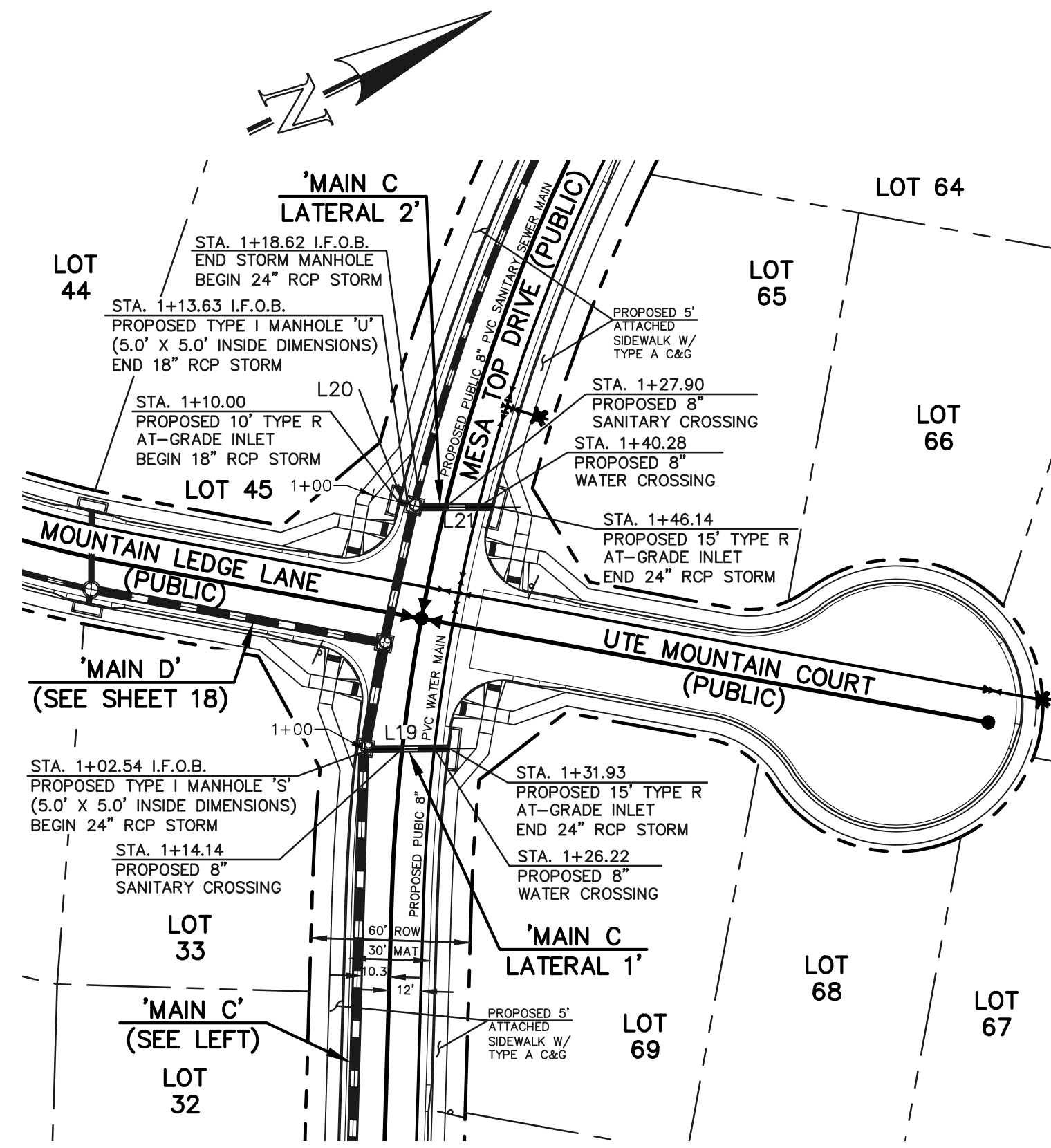
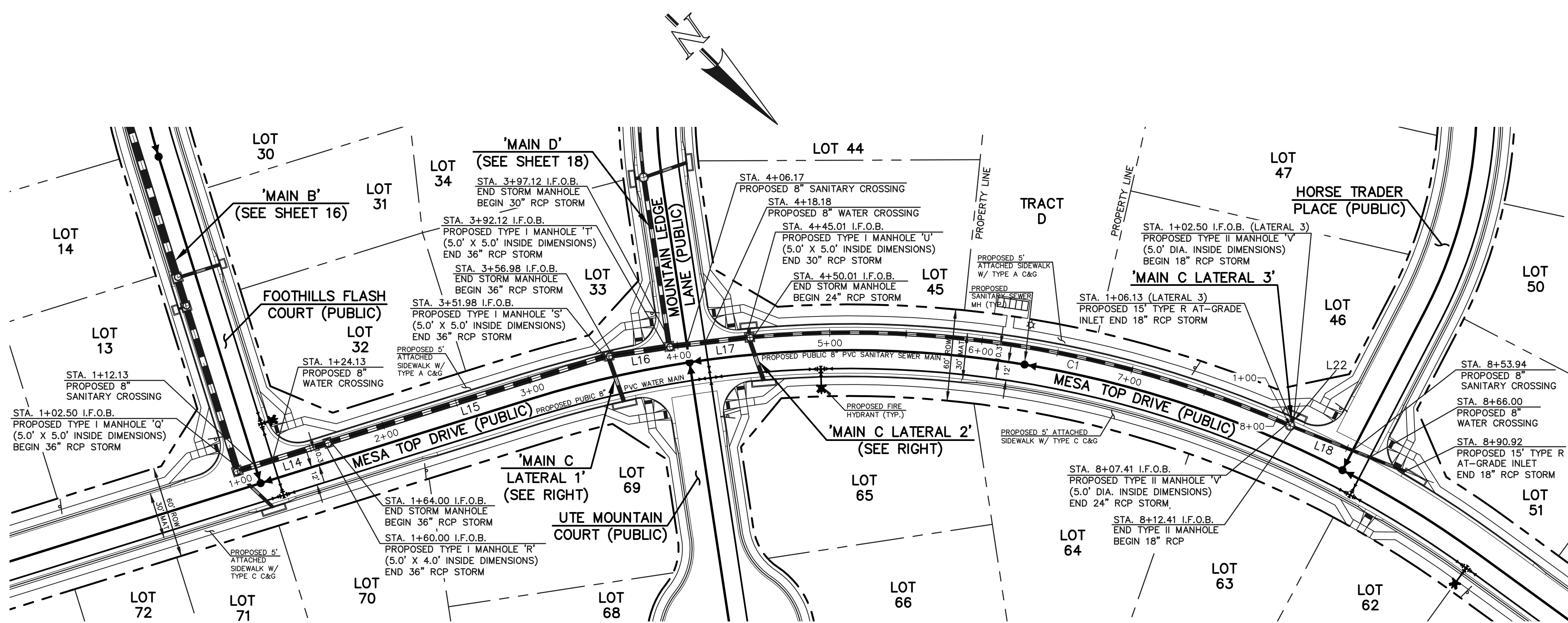
CLASSIC CONSULTING

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Colorado Springs, Colorado 80903

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

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

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



STORM LINE TABLE		
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

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

NOTES:
ALL STORM FACILITIES WITHIN R.O.W. ARE PUBLIC, UNLESS OTHERWISE NOTED.

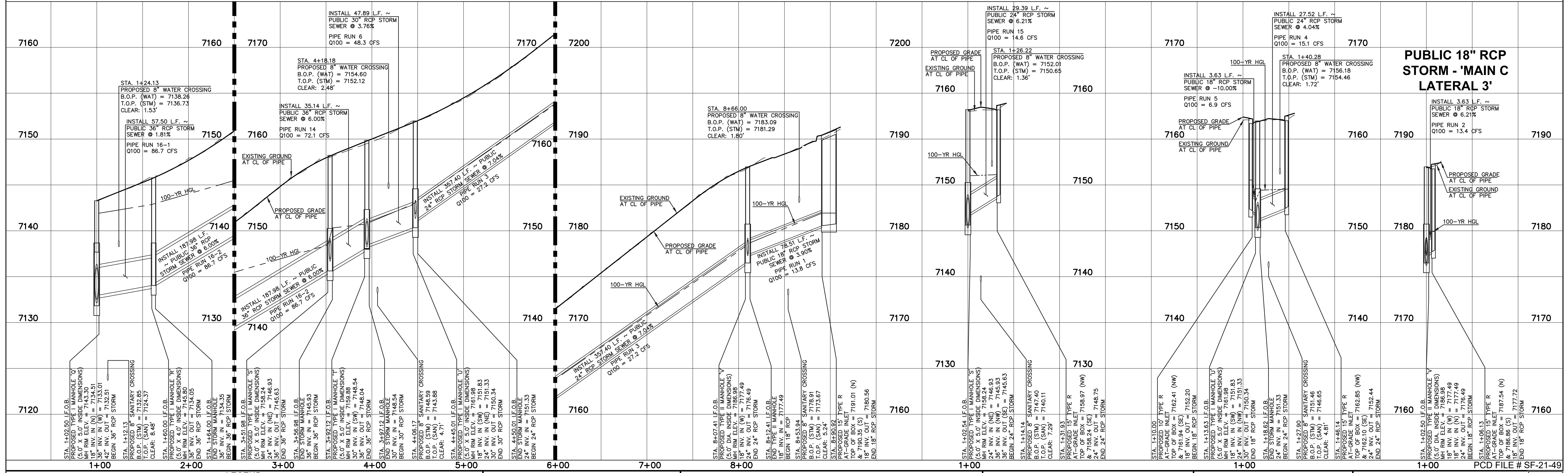
ALL STORM SEWER WITH 100-YR HGL ABOVE THE TOP OF PIPE SHALL BE INSTALLED WITH PRESSURE PIPE AND WATERTIGHT JOINTS WITH A 100-YEAR SERVICE LIFE.

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

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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UTILITY NOTIFICATION CENTER OF COLORADO
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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

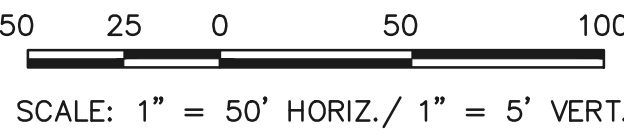
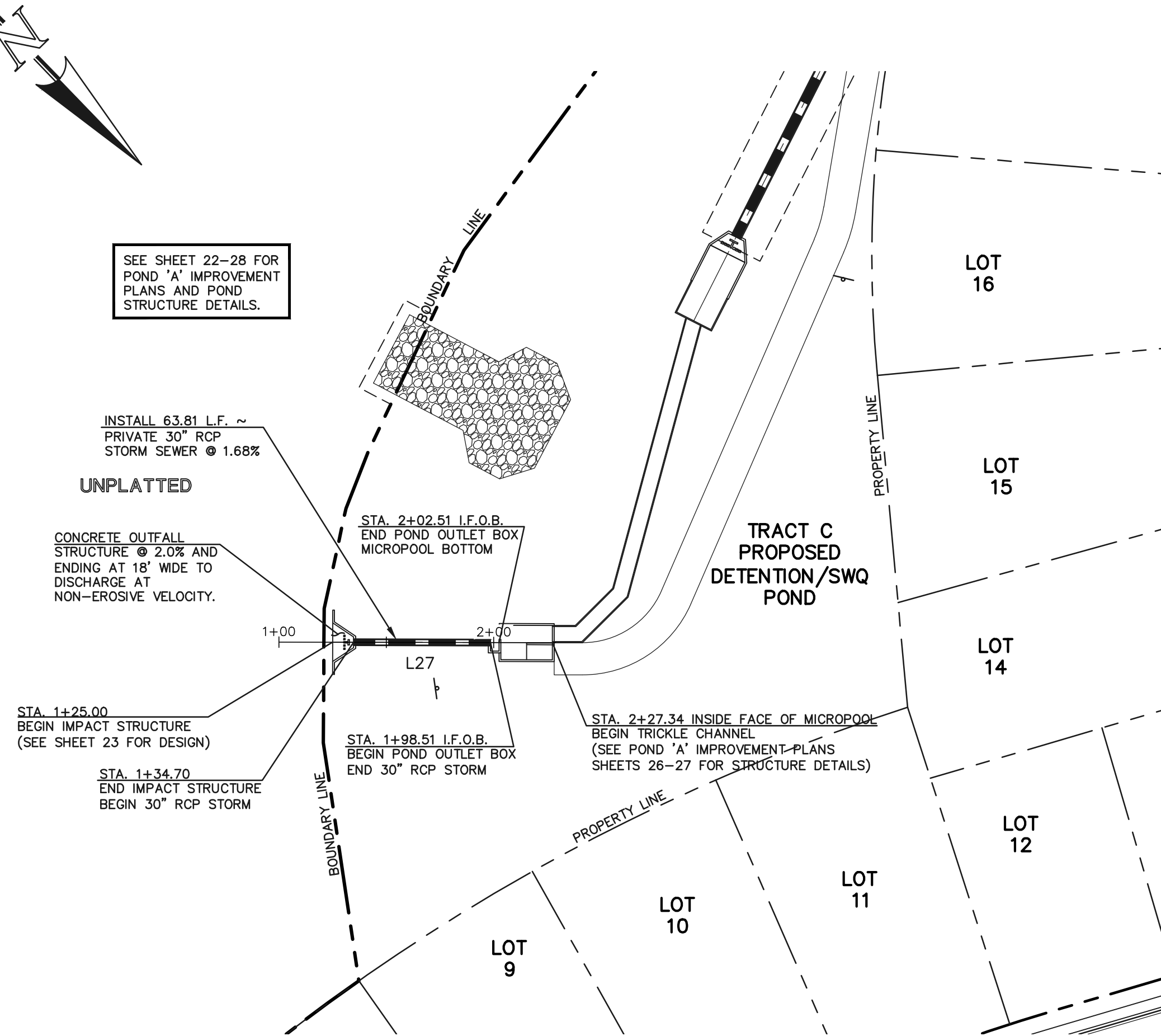
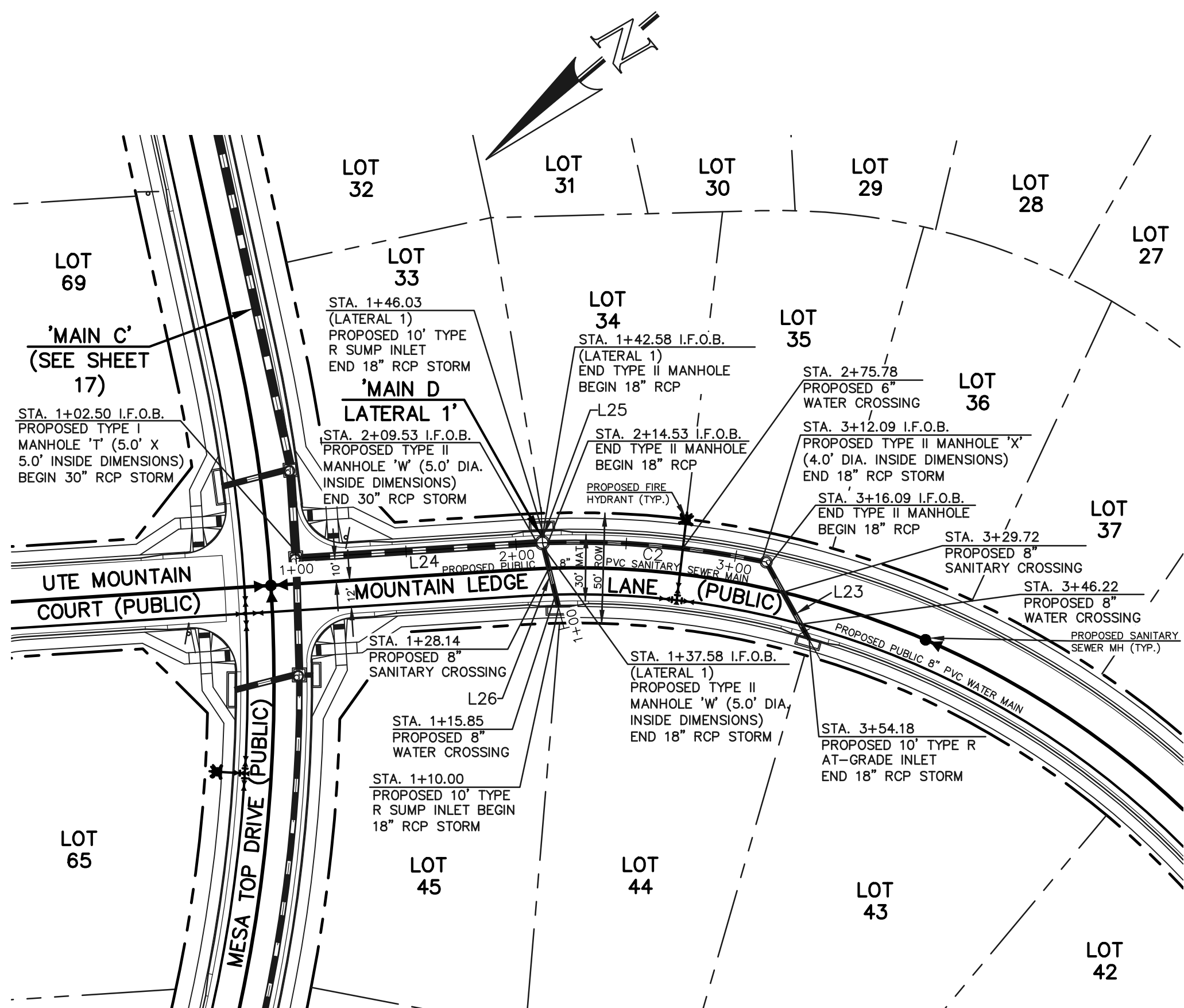
KYLE R. CAMPBELL, P.E. #29794
DATE 03/31/22

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

K:\117570.DRAWINGS\CONSTRUCT\TOWN STORM 17-117570-SW-03.dwg, 5/11/2022 9:47:16 AM, 1:1



STORM LINE TABLE		
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

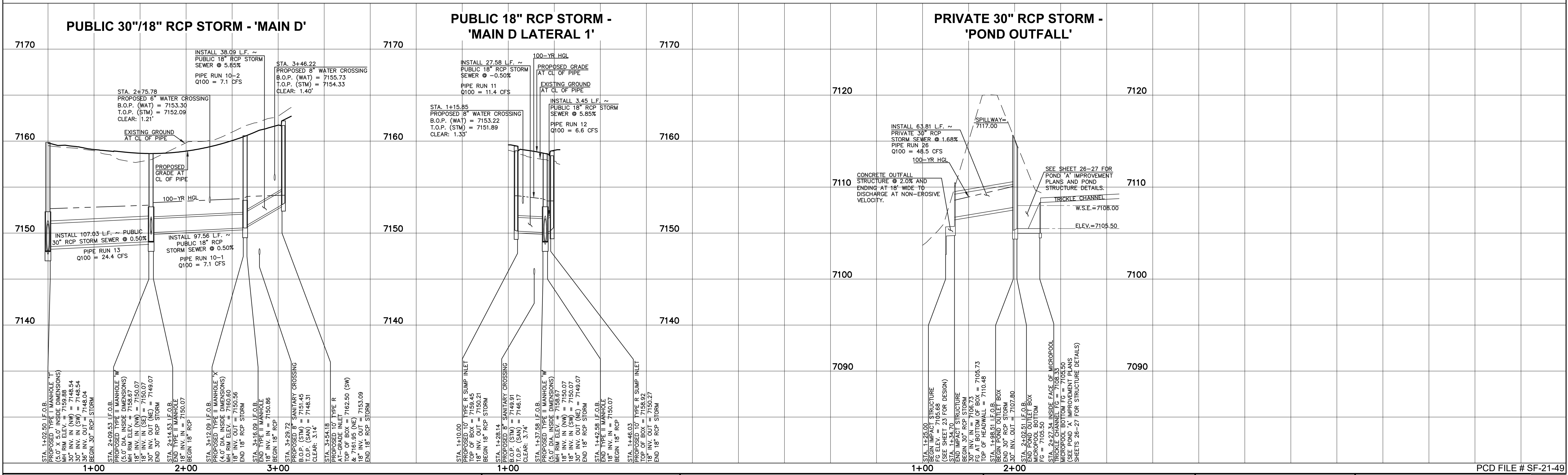
STORM CURVE TABLE			
Curve #	Delta	Length	Radius
C2	13°34'46"	97.56	411.65

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.



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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CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, P.E. #29794

03/31/22
DATE

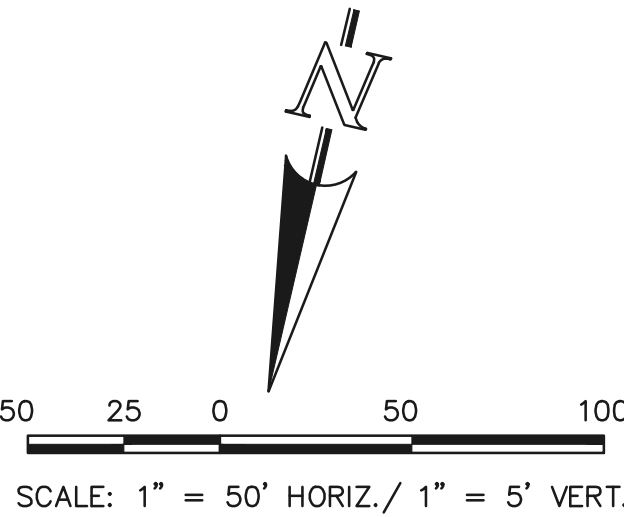
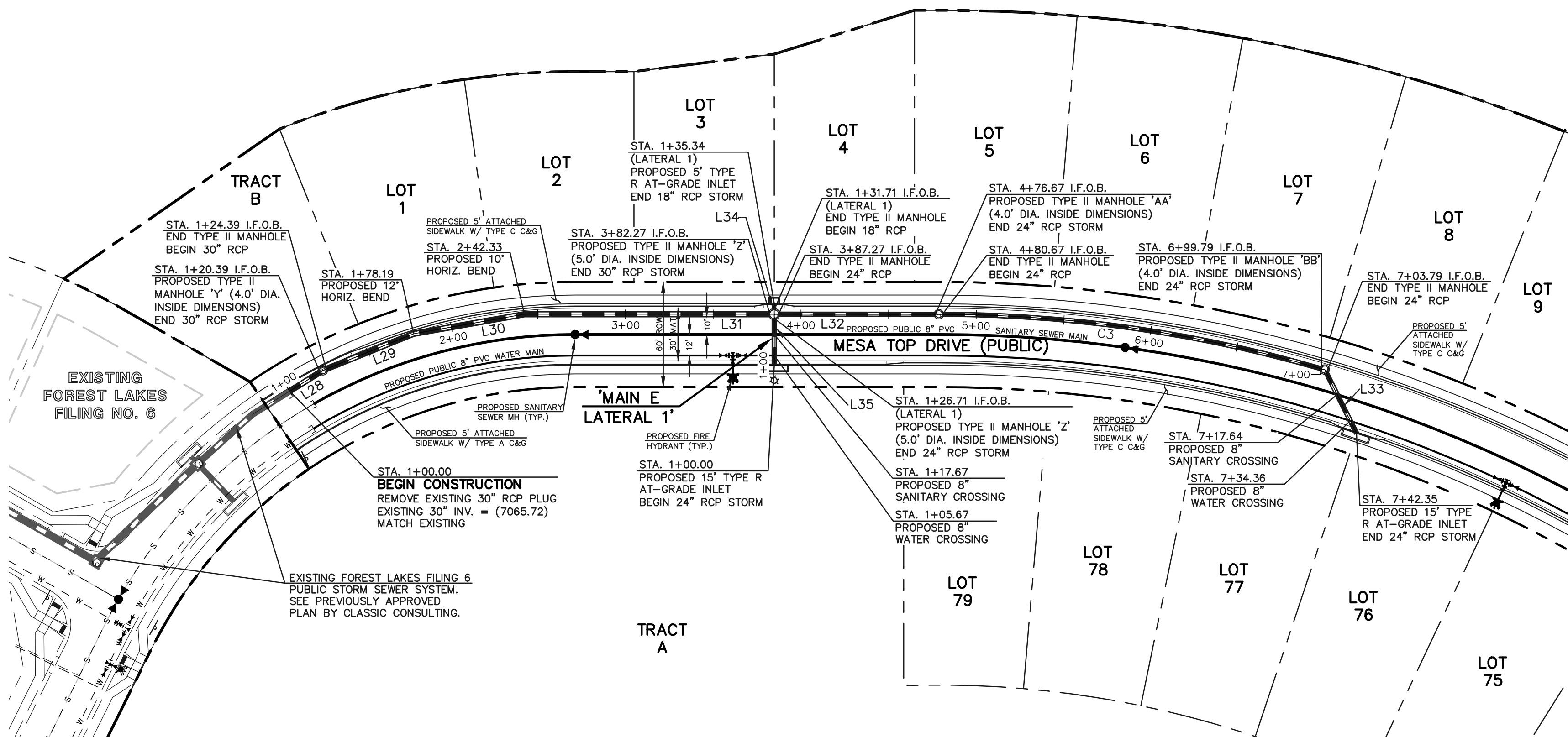
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Colorado Springs, Colorado 80903

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(719)785-0799(fax)

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

DESIGNED BY	MAL	SCALE	DATE	06/01/21
DRAWN BY	ME'S	(H) 1"= 50'	SHEET 18	OF 31
CHECKED BY	(V) 1"= 5'	JOB NO.	1175.70	



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

NOTES:
ALL STORM FACILITIES WITHIN R.O.W. ARE PUBLIC, UNLESS OTHERWISE NOTED.

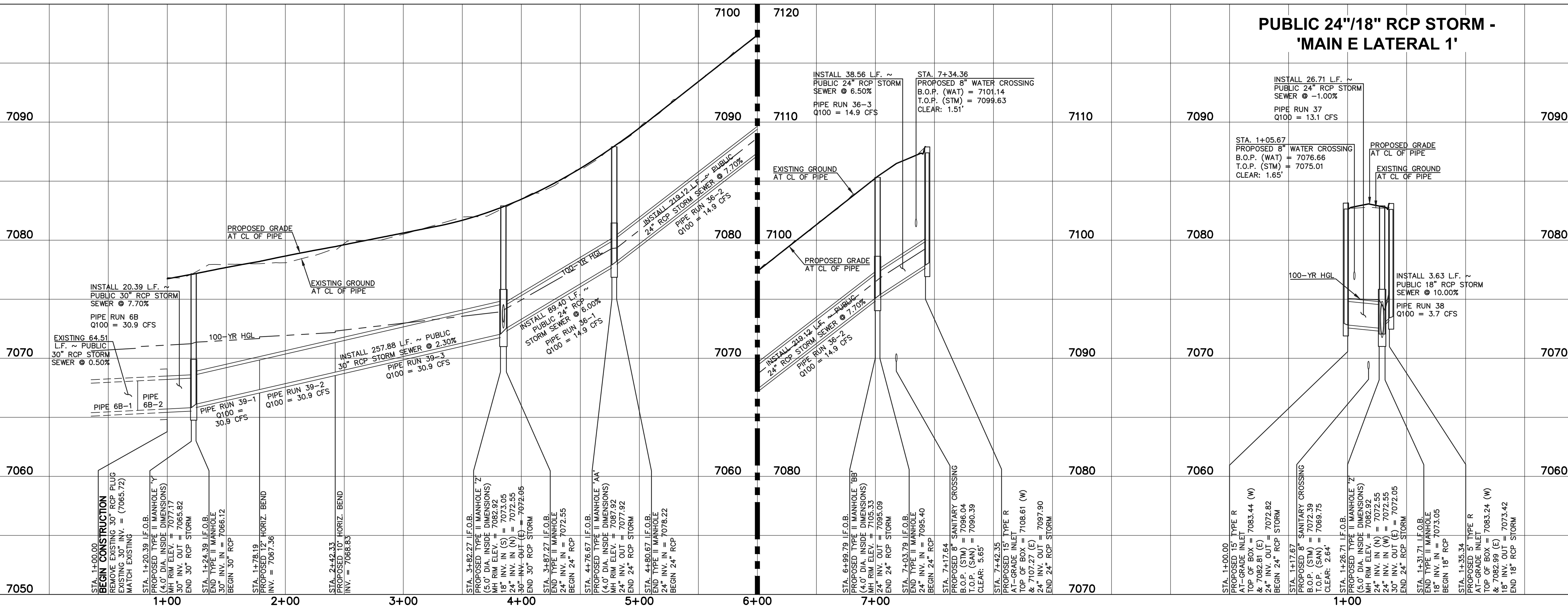
ALL STORM SEWER WITH 100-YR HGL ABOVE THE TOP OF PIPE SHALL BE INSTALLED WITH PRESSURE PIPE AND WATERTIGHT JOINTS WITH A 100-YEAR SERVICE LIFE.

ALL STORM SEWER PIPES TO BE CLASS 3.

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

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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REVIEW:

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CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CHAPMAN, P.E. #29794

03/31/22

DATE

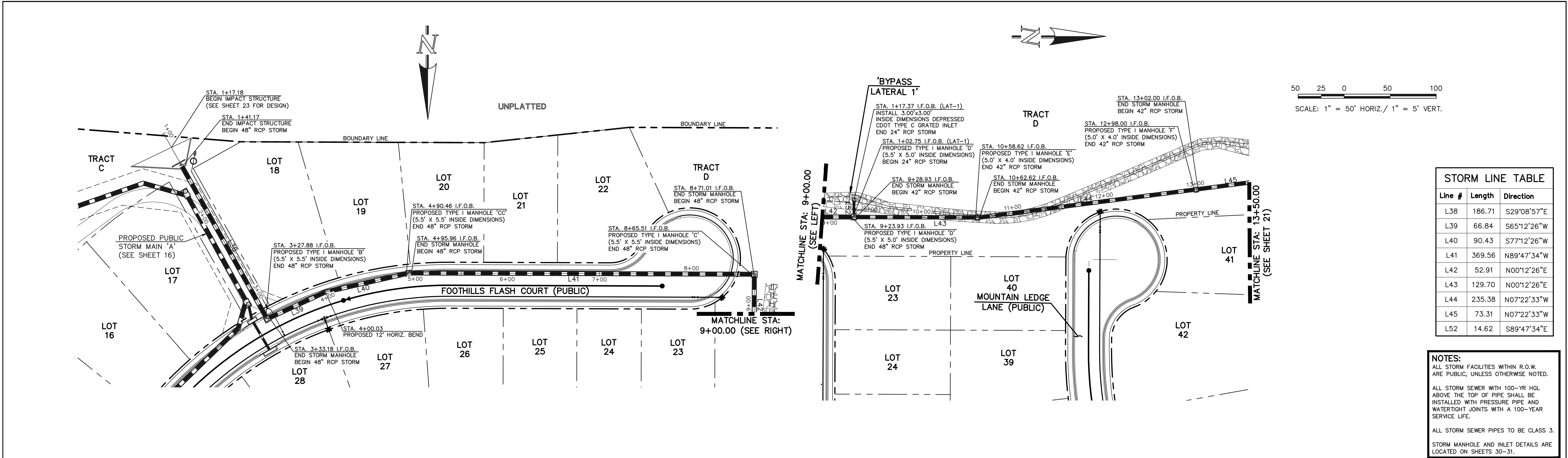


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(719)785-0799(fax)

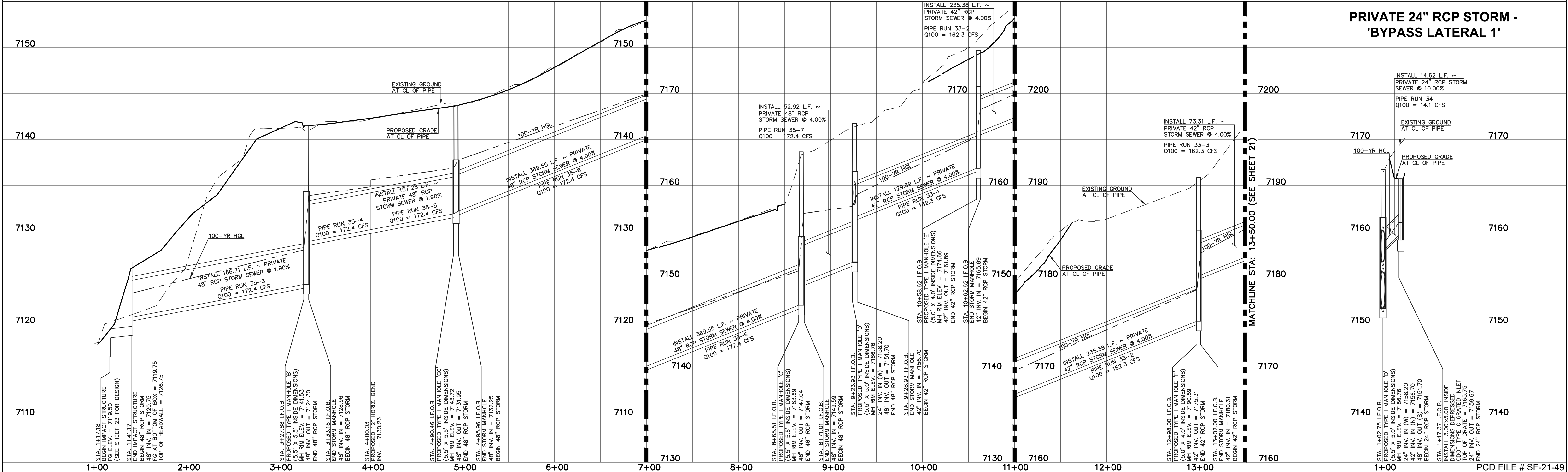
FOREST LAKES FILING NO. 7
CONSTRUCTION PLANS
PUBLIC STORM SEWER PLAN
'MAIN E' / 'MAIN E LATERAL 1'

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





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



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
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. CHAPMAN, P.E. #29794

03/31/22

FOREST LAKES FILING NO. 7
CONSTRUCTION PLANS
PUBLIC STORM SEWER PLAN
'BYPASS SYSTEM' STA. 1+00-13+50/ 'BYPASS LATERAL 1'

DESIGNED BY: MAL
SCALE: (H) 1" = 50'
(V) 1" = 5'

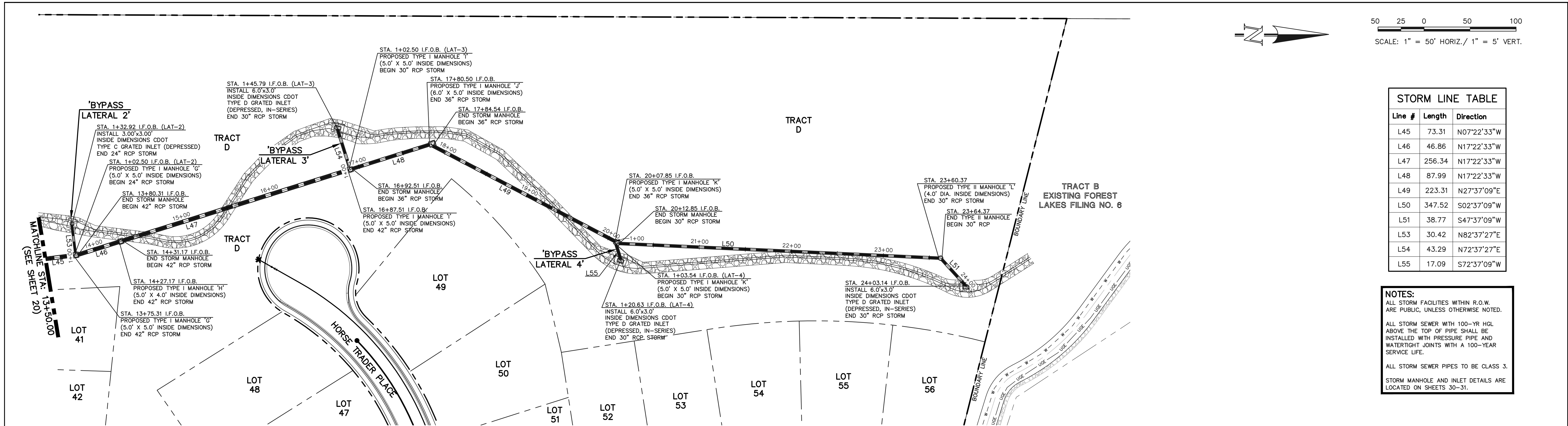
DRAWN BY: MES
SHEET 20 OF 31

CHECKED BY: (V) 1" = 5'
JOB NO. 1175.70

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Colorado Springs, Colorado 80903

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(719) 785-0799 (fax)



STORM LINE TABLE		
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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ALL STORM SEWER PIPES TO BE CLASS 3.

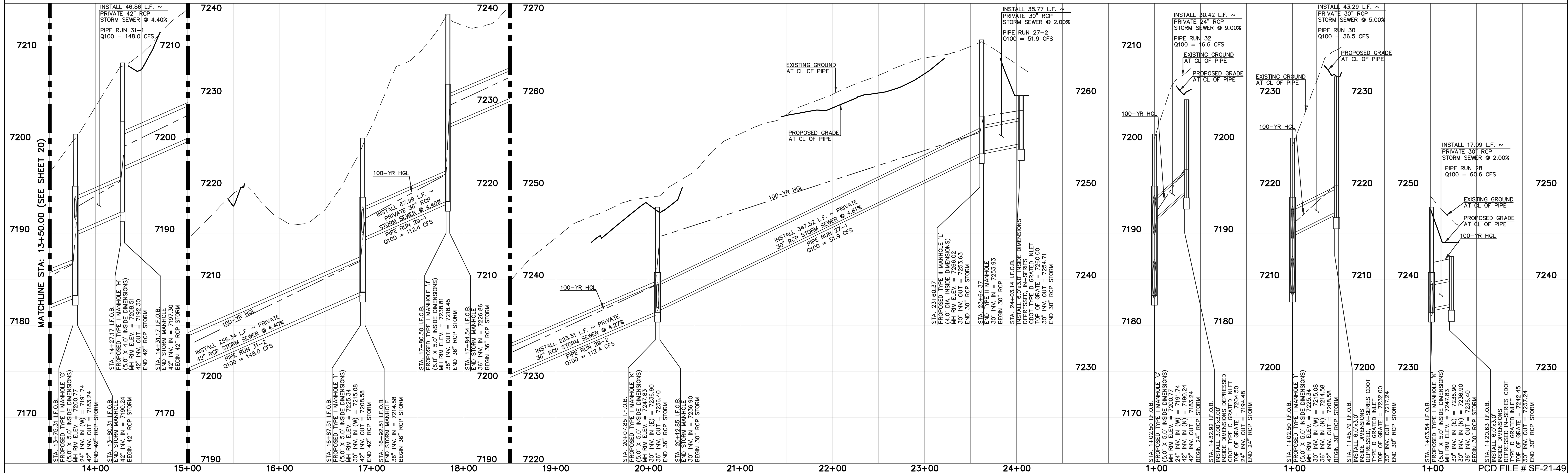
STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 30-31.

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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DATE

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

03/31/22

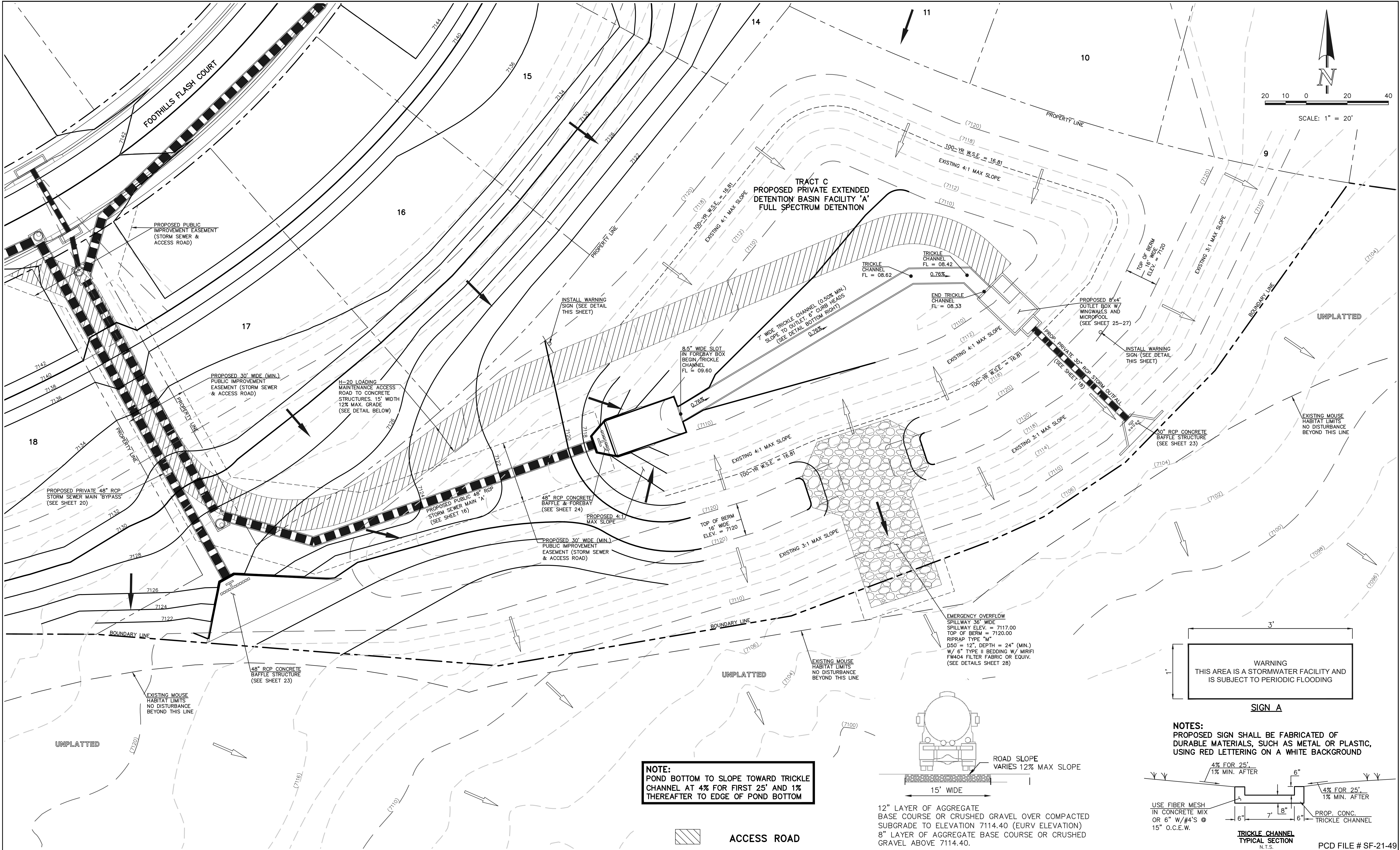
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Colorado Springs, Colorado 80903

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(719)785-0799(fax)

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

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



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

EXISTING ELECTRIC

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KYLE R. CAMPBELL, P.E. #29794

03/31/22
DATE

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Colorado Springs, Colorado 80903

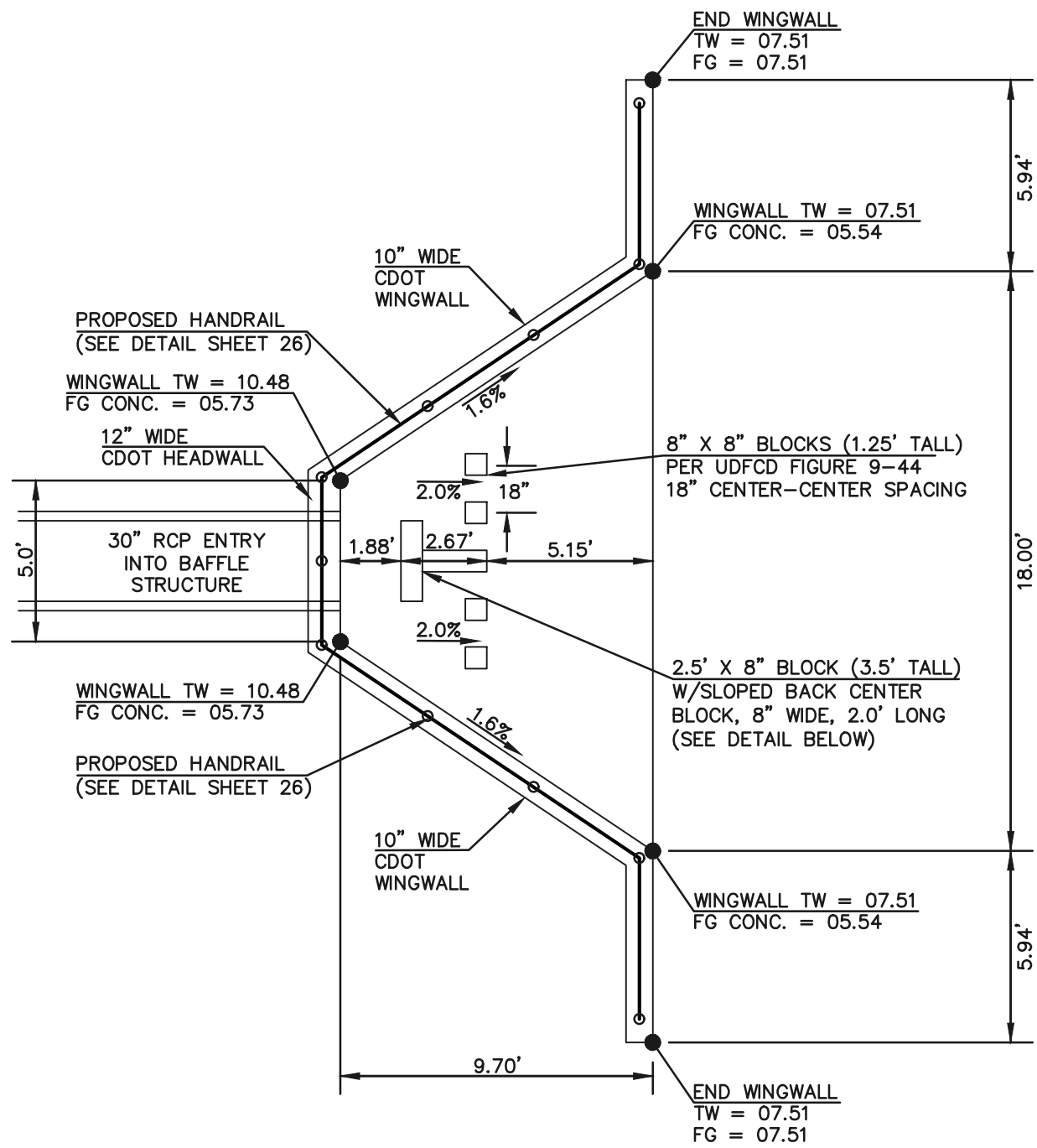
(719)785-0790
(719)785-0799(fax)

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

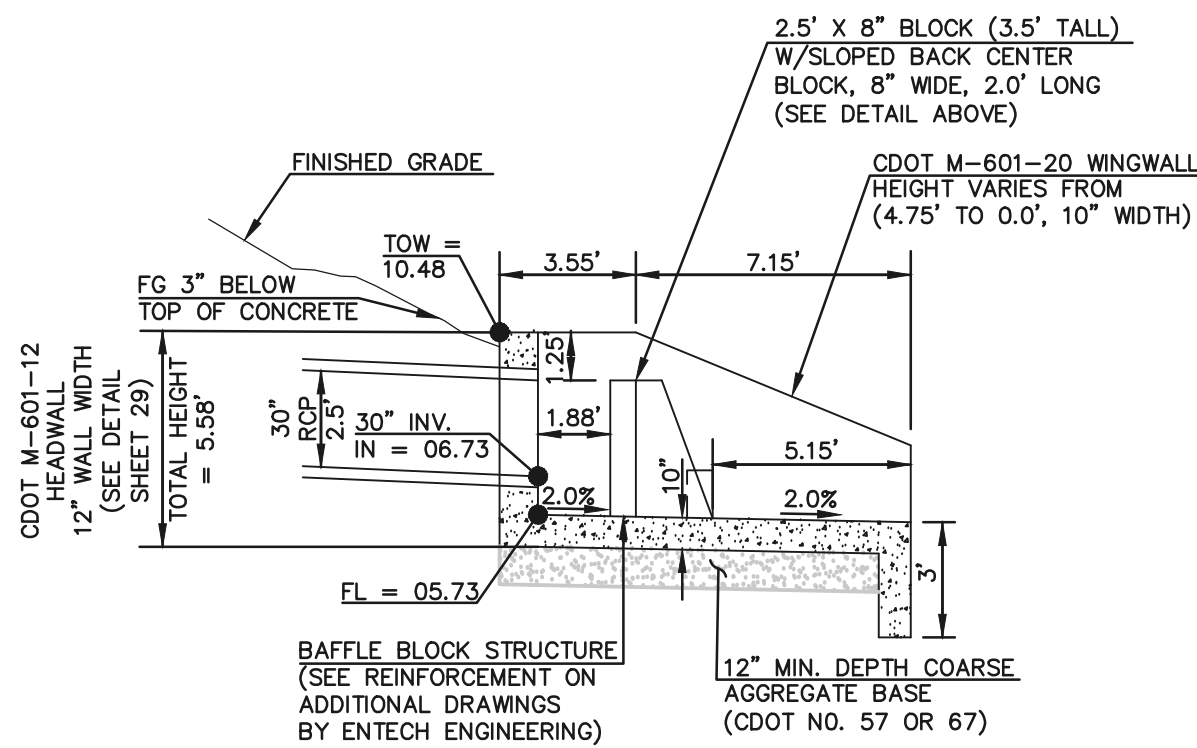
DESIGNED BY	MAL	SCALE	DATE	11/23/21
DRAWN BY	ME'S	(H) 1" = 20'	SHEET	22 OF 31
CHECKED BY	(V) 1" = N/A	JOB NO.	1175.70	

PCD FILE # SF-21-49

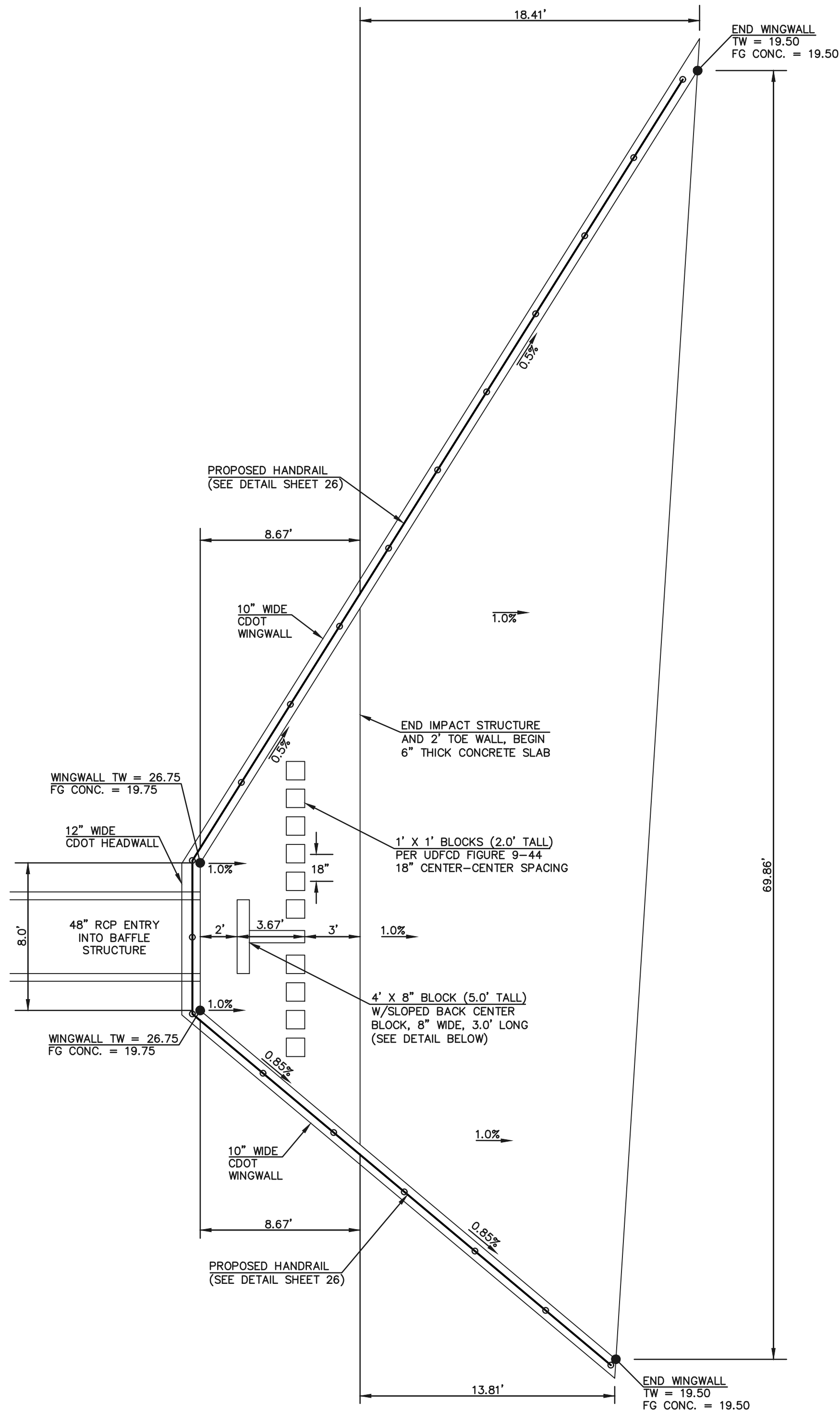
N:\17570 DRAWINGS\CONSTRUCT\CONSTRUCT\17570-57M-09-30m-48m-baffle.dwg, 3/31/2022 12:34:47 PM, 1:1



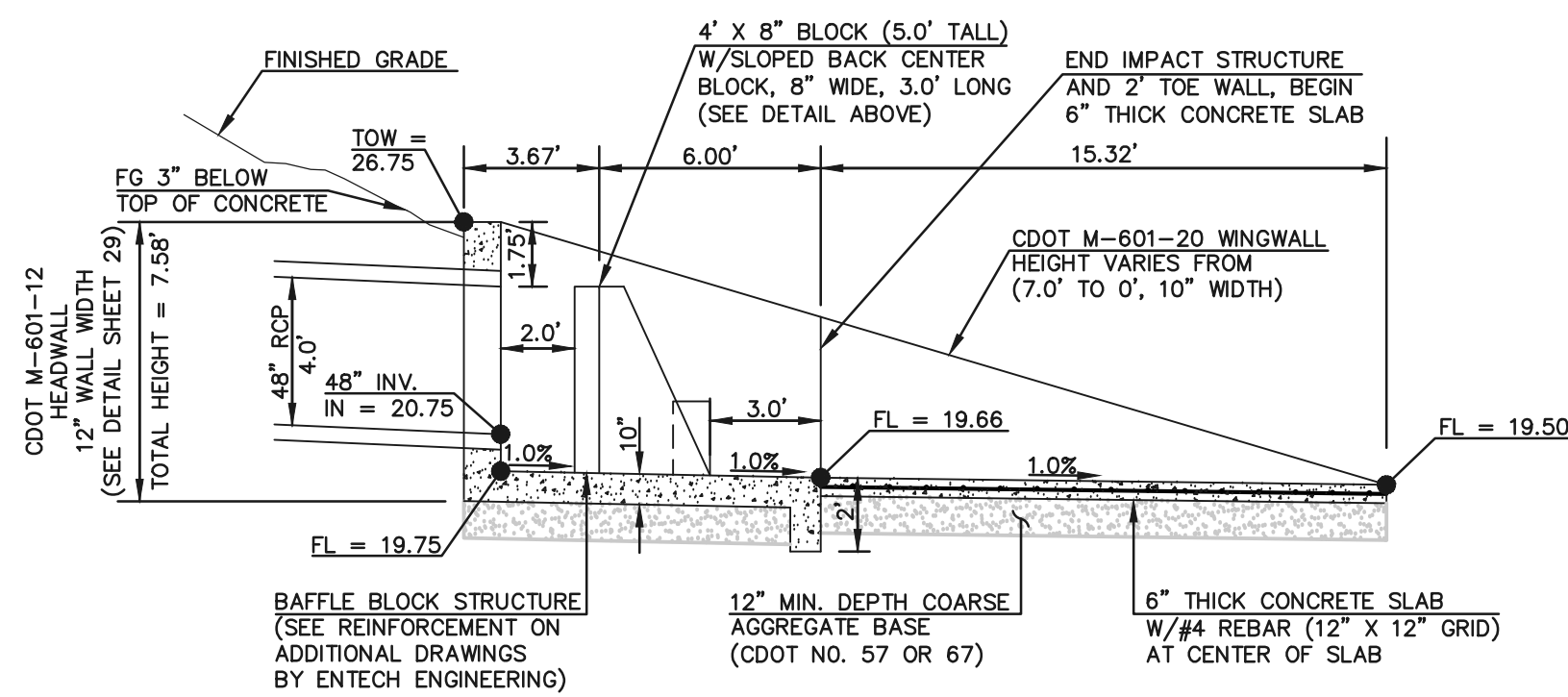
OUTFALL (POND A) 30" RCP BAFFLE STRUCTURE - PLAN VIEW
SCALE 1" = 5'



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



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



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

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KYLE R. CHAPMAN, P.E. #29794

03/31/22

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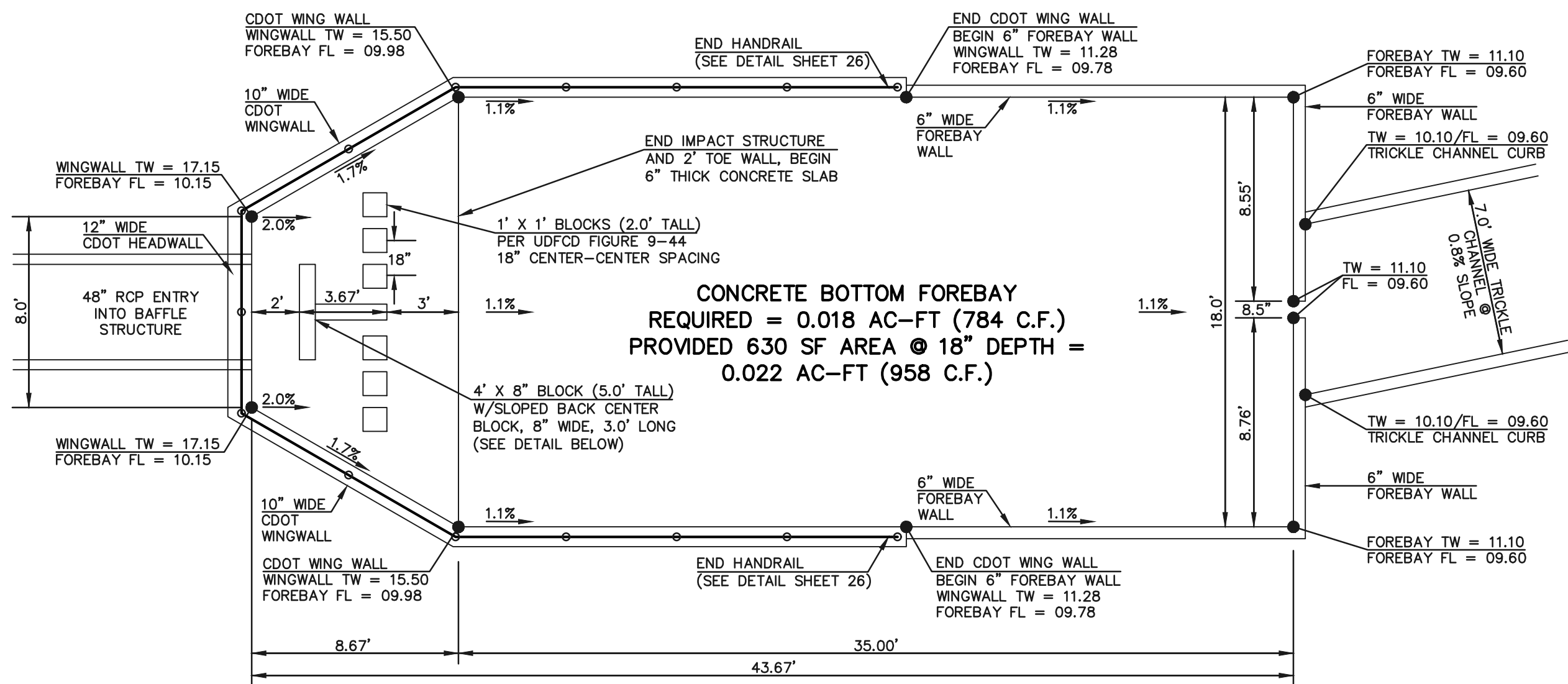
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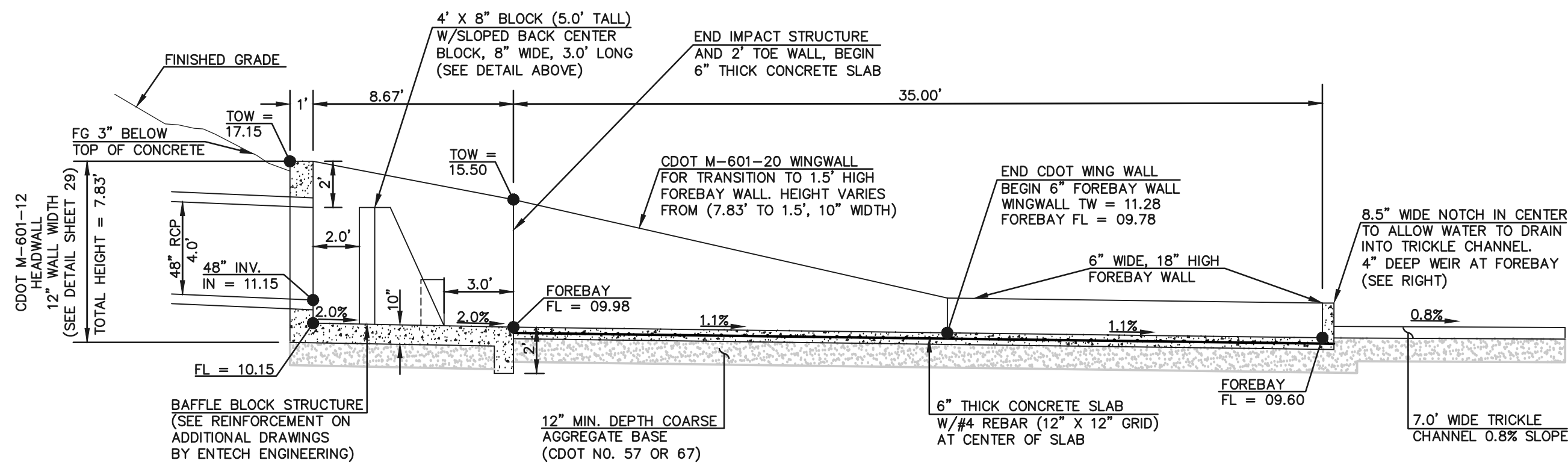
FOREST LAKES FILING NO. 7 CONSTRUCTION PLANS			
OUTFALL L- 30" IMPACT STRUCTURE BYPASS MAIN - 48" IMPACT STRUCTURE			
DESIGNED BY	MAL	SCALE	DATE 11/23/21
DRAWN BY	ME'S	(H) 1"= 5'	SHEET 23 OF 31
CHECKED BY	(V) 1"= N/A	JOB NO.	1175.70

PCD FILE # SF-21-49

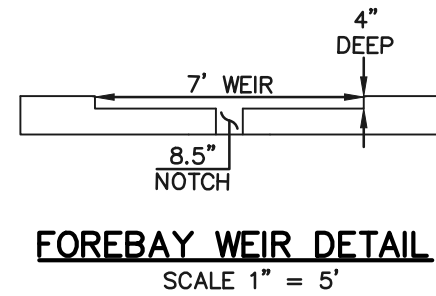
CLASSIC CONSULTING



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



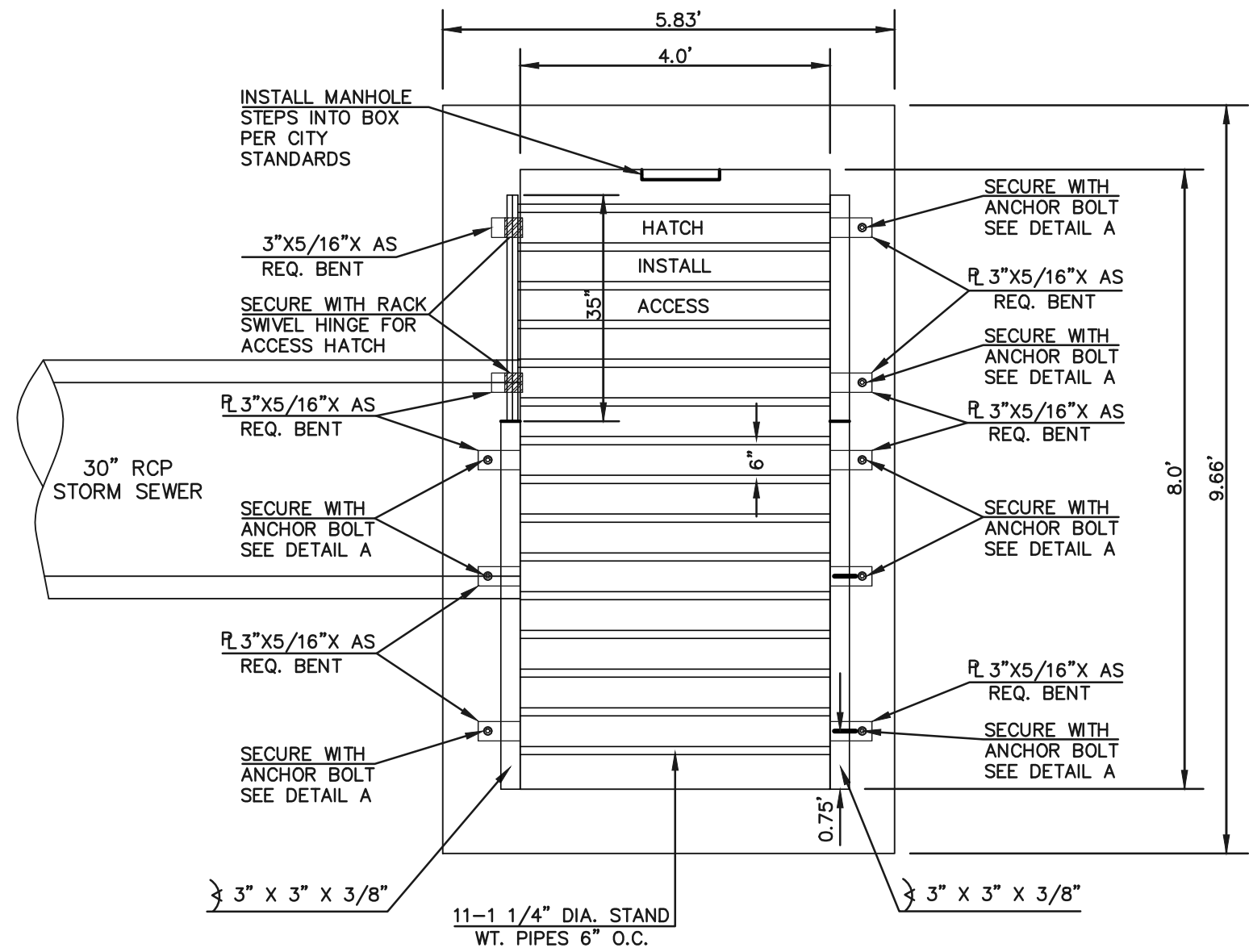
MAIN 'A' 48" RCP FOREBAY & BAFFLE STRUCTURE - PROFILE VIEW
SCALE 1" = 5'



PCD FILE # SF-21-49

<p>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS</p> <p>811</p> <p>UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW</p> <p>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.</p>	NO. REVISION	DATE	REVIEW:	<p>DESIGNED BY</p> <p>DRAWN BY</p> <p>CHECKED BY</p>	<p>MAL</p> <p>ME'S</p> <p>(V) 1"= N/A</p>	<p>SCALE</p> <p>(H) 1"= 5'</p> <p>(V) 1"= N/A</p>	<p>DATE</p> <p>11/23/21</p> <p>SHEET 24 OF 31</p> <p>JOB NO. 1175.70</p>	<p>FOREST LAKES FILING NO. 7 CONSTRUCTION PLANS</p> <p>MAIN 'A' - 48" IMPACT STRUCTURE & FOREBAY</p>	<p>CLASSIC CONSULTING</p>
			PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC						
			<p>03/31/22</p> <p>DATE</p>						
			<p>619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903</p> <p>(719)785-0790 (719)785-0799(fax)</p>						

N:\117570\DRAWINGS\CONSTRUCT\CONSTRUCT\STORM\26-117570-STW-12-outlet_box-micropool.dwg, 3/31/2022 12:36:51 PM, 1:1



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

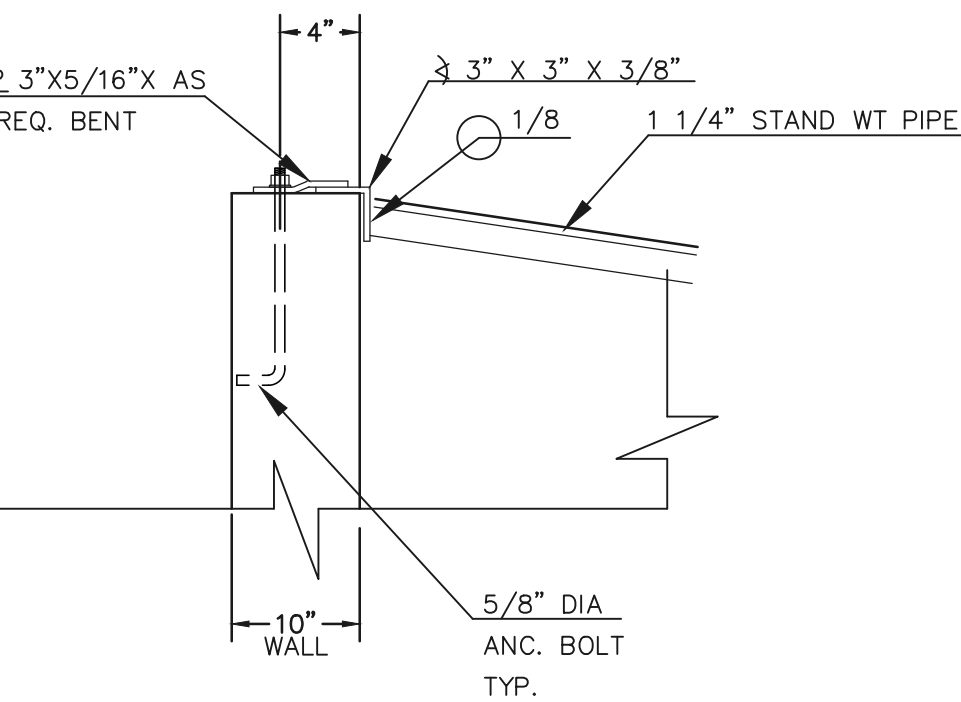
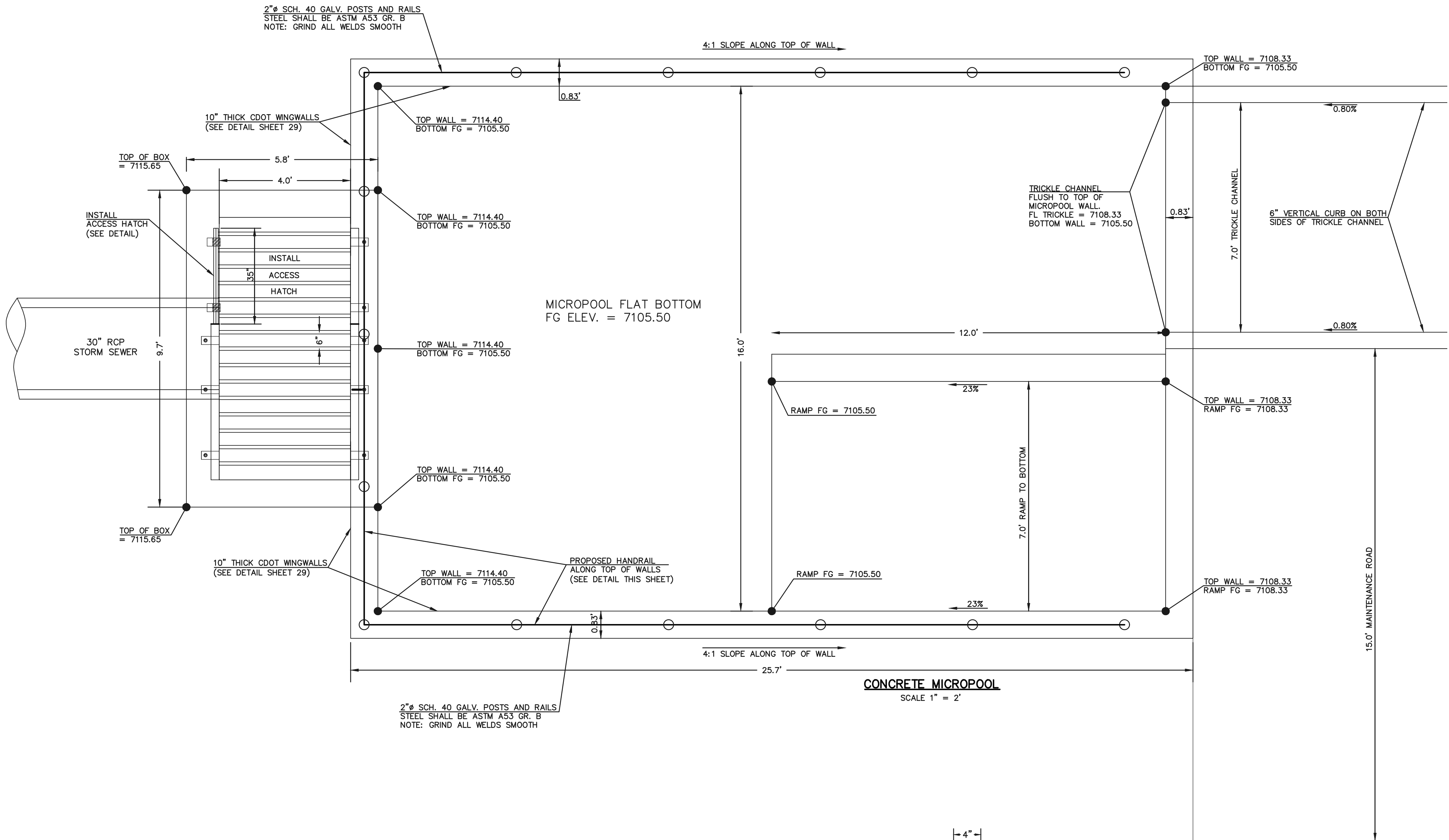
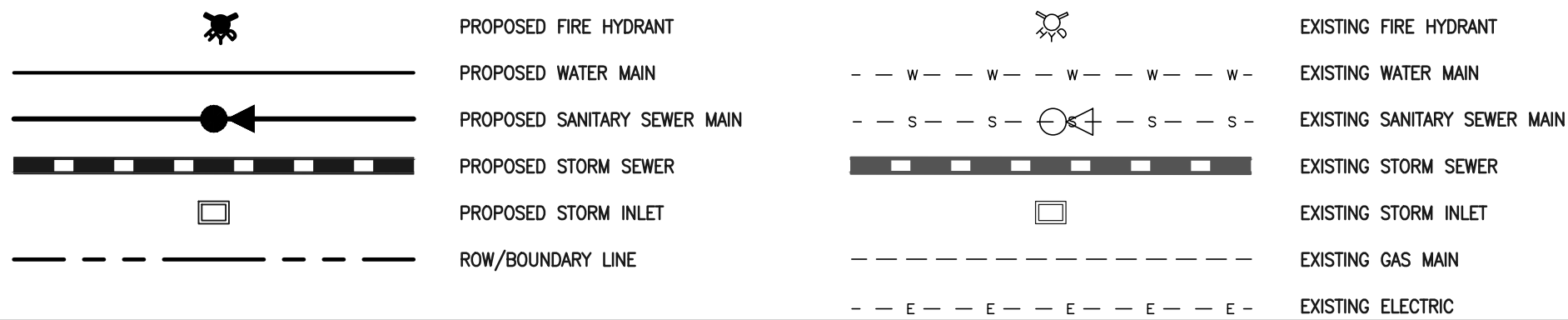
STEEL FABRICATION NOTES:

- 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

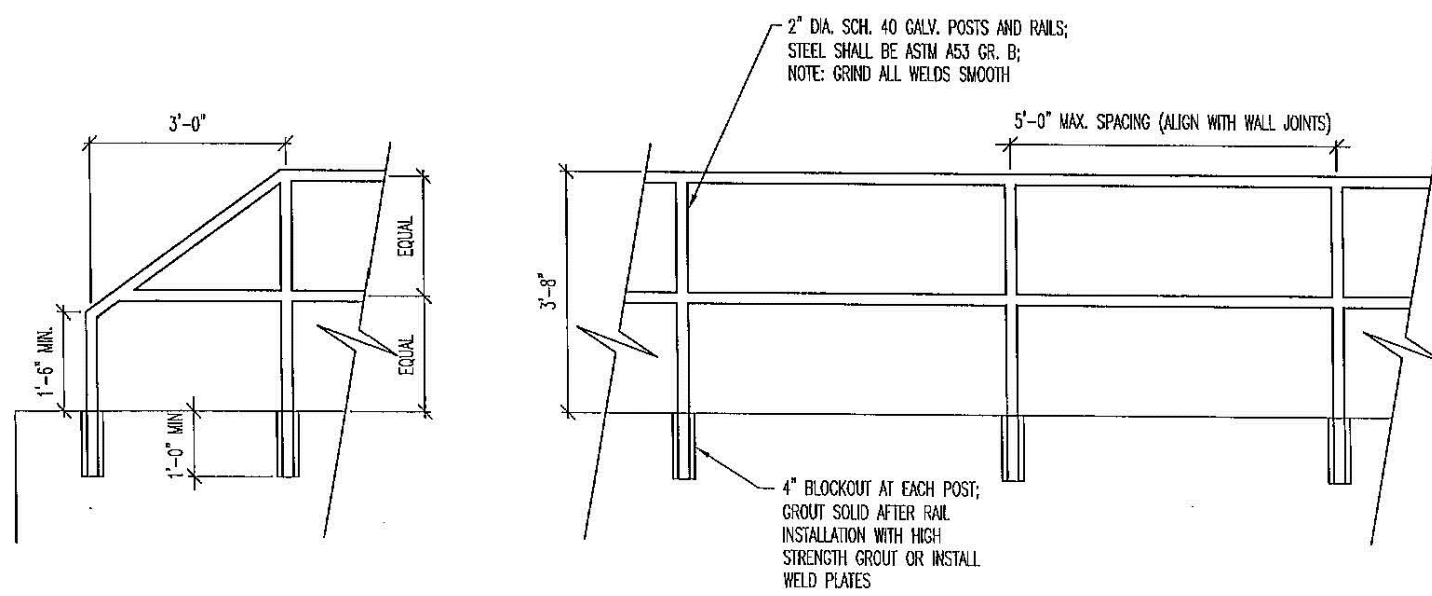
OVERFLOW TRASH RACKS:

- 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



ANCHOR BOLT/GRATE DETAIL
N.T.S.



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.

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UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

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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

DATE

CLASSIC
CONSULTING

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

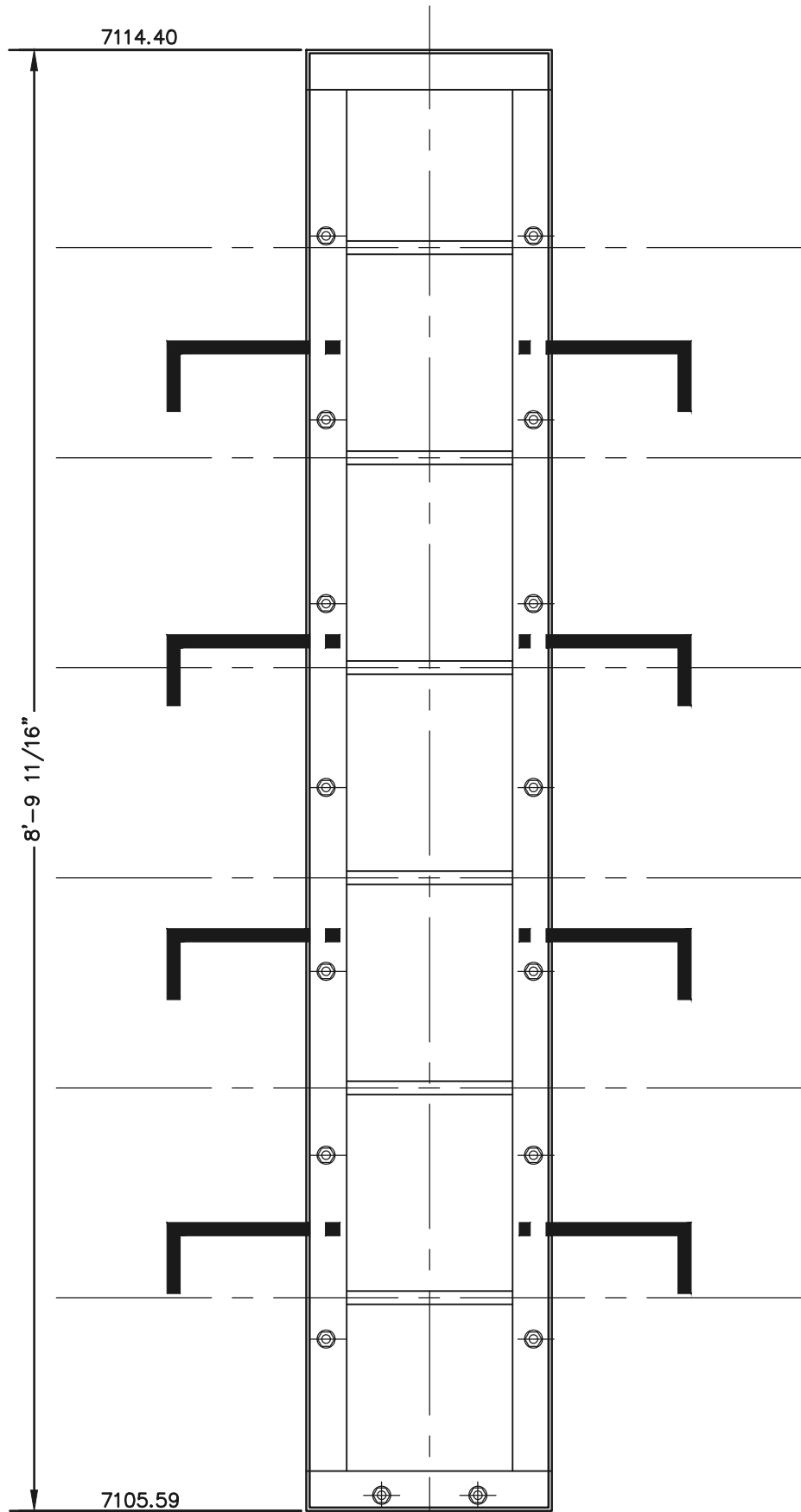
FOREST LAKES FILING NO. 7
CONSTRUCTION PLANS

POND OUTLET BOX AND MICROPOOL DETAILS

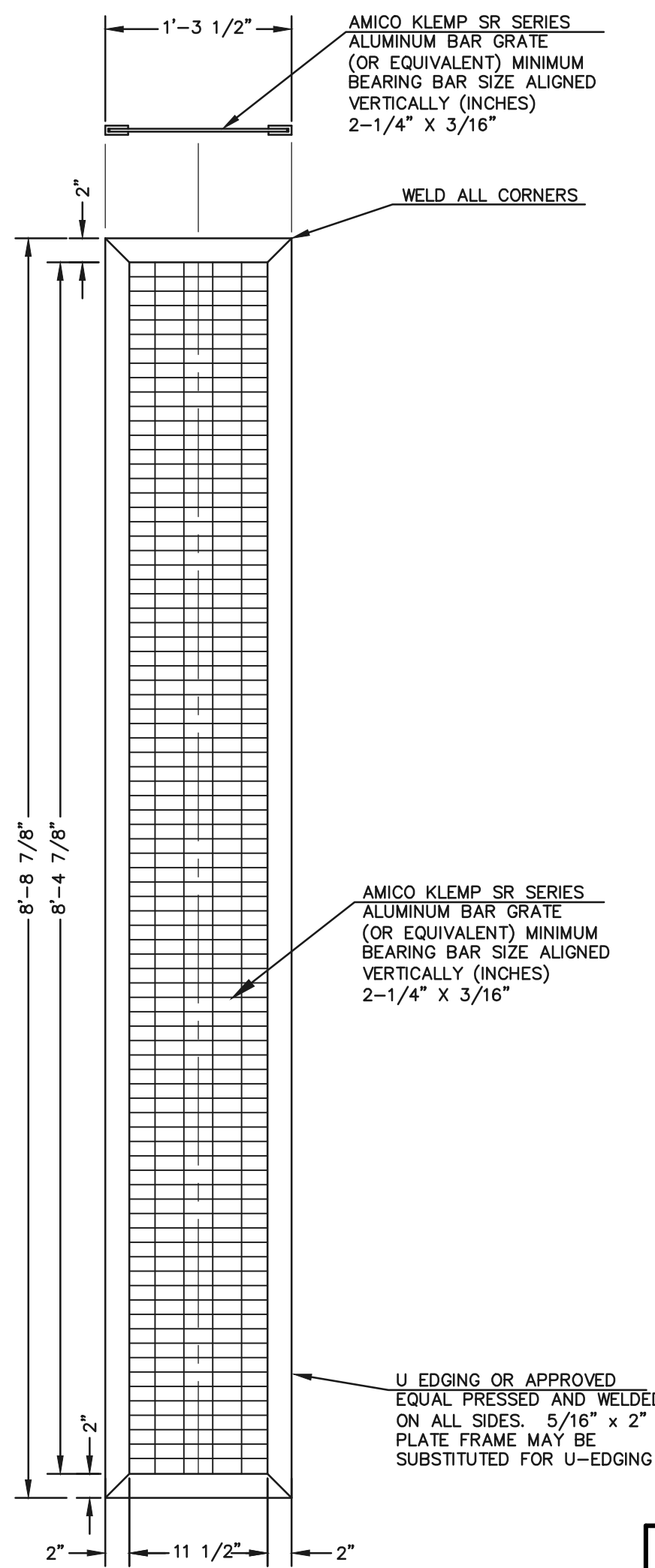
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DRAWN BY	ME'S	(H) 1"= 2'	SHEET	26 OF 31
CHECKED BY	(V) 1"= N/A	JOB NO.	1175.70	

PCD FILE # SF-21-49

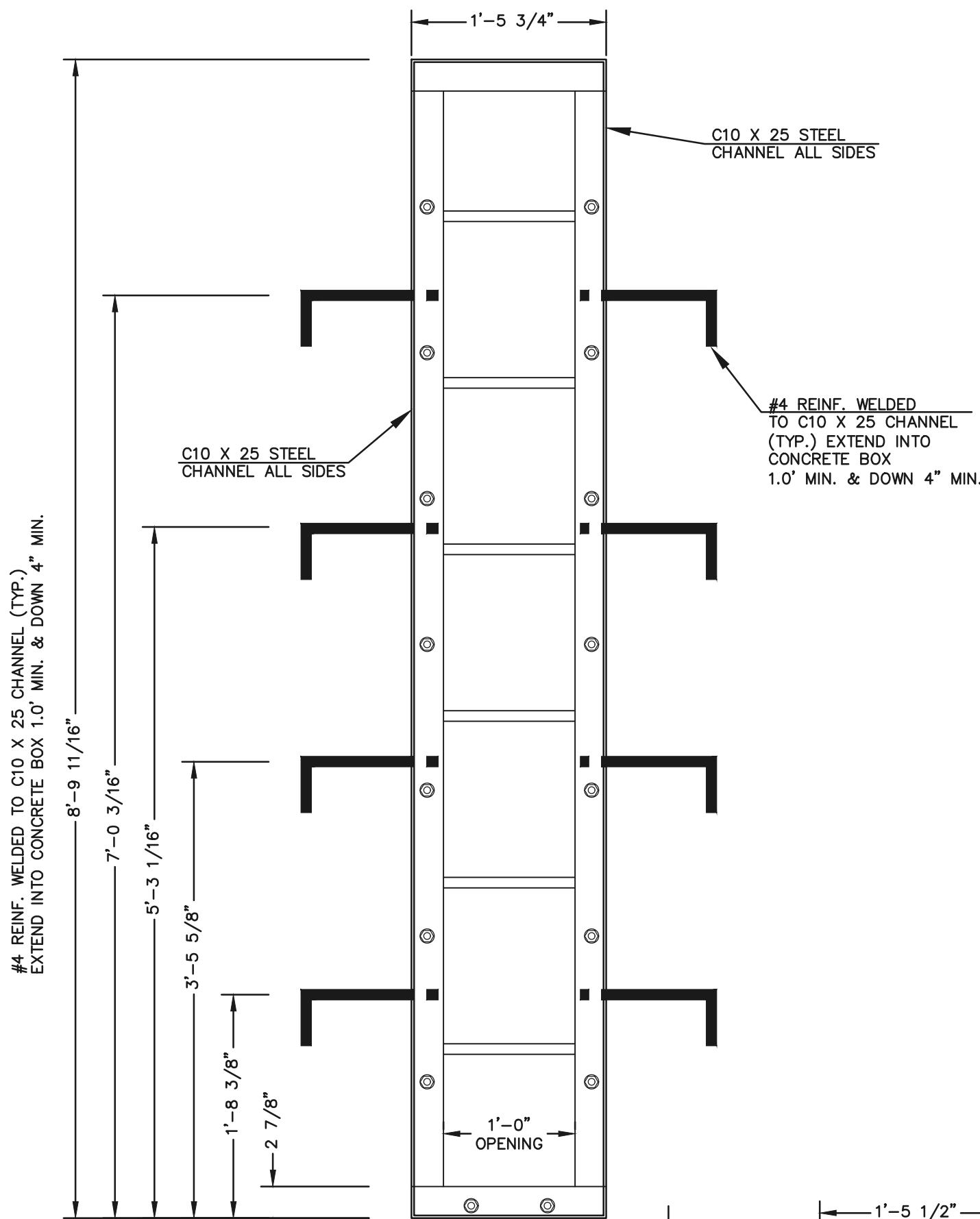
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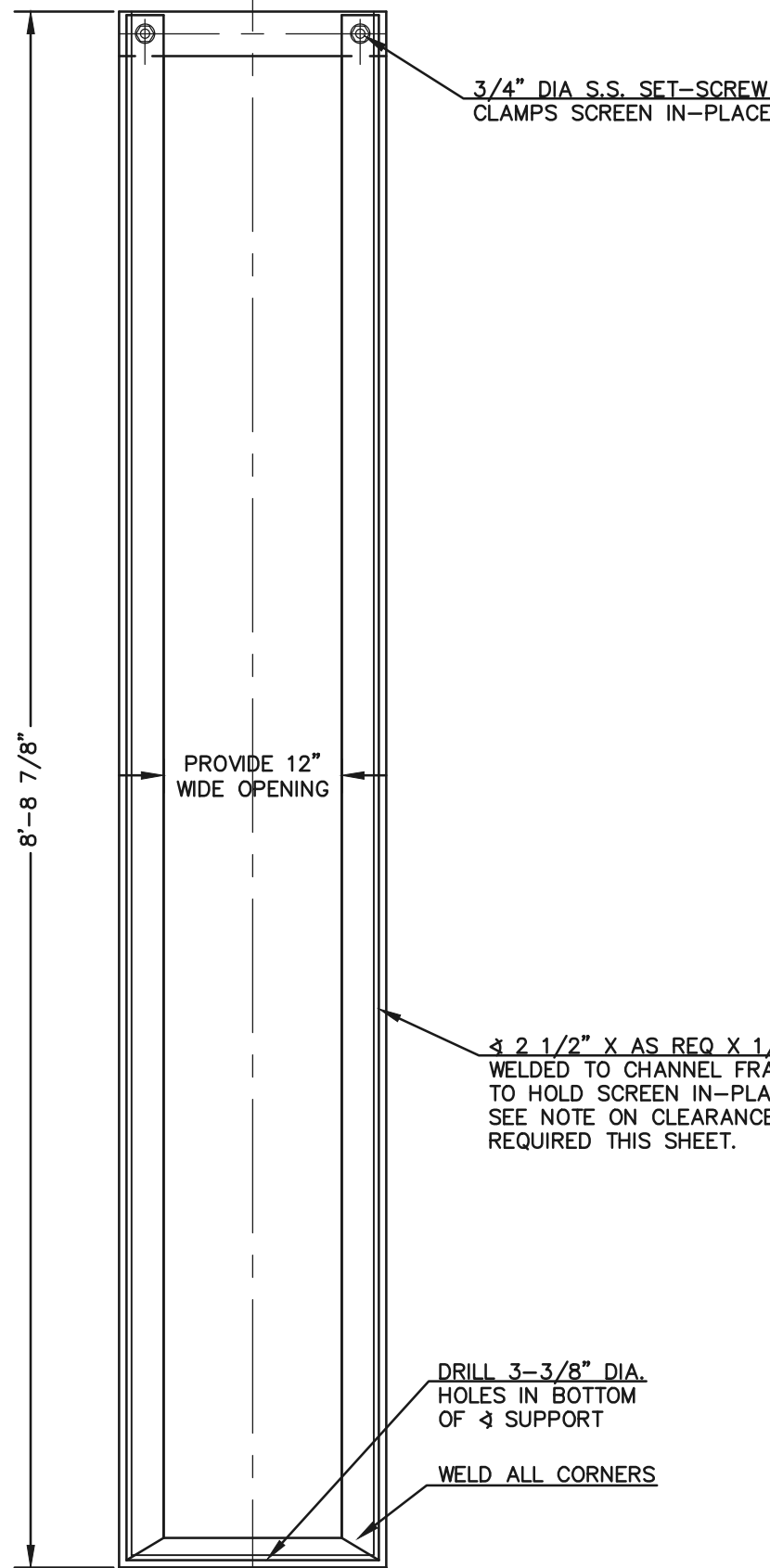
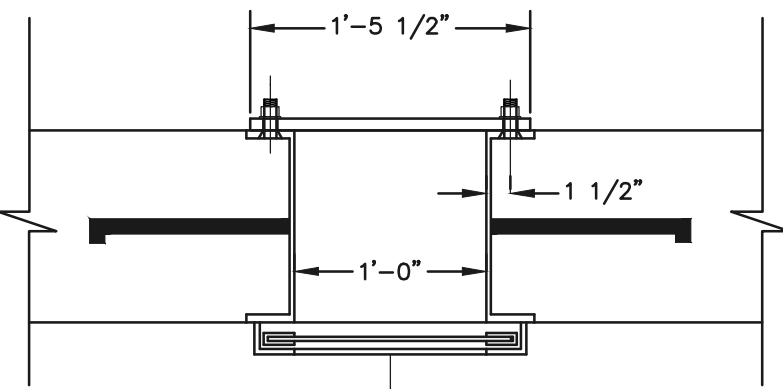
**OUTLET CONTROL
PLATE AND FRAME**
SCALE: 1"=1'



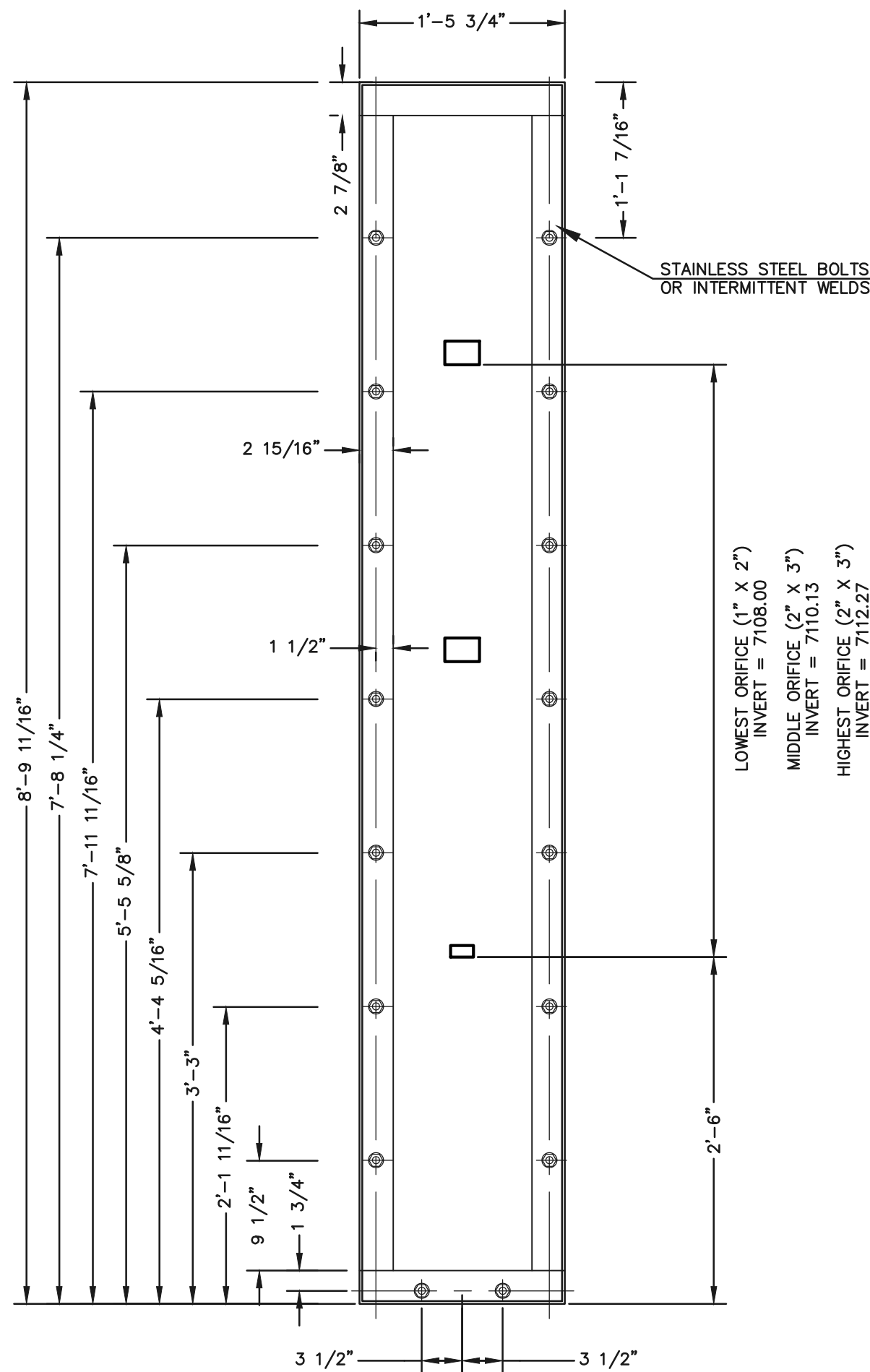
TRASH SCREEN
SCALE: 1"=1'



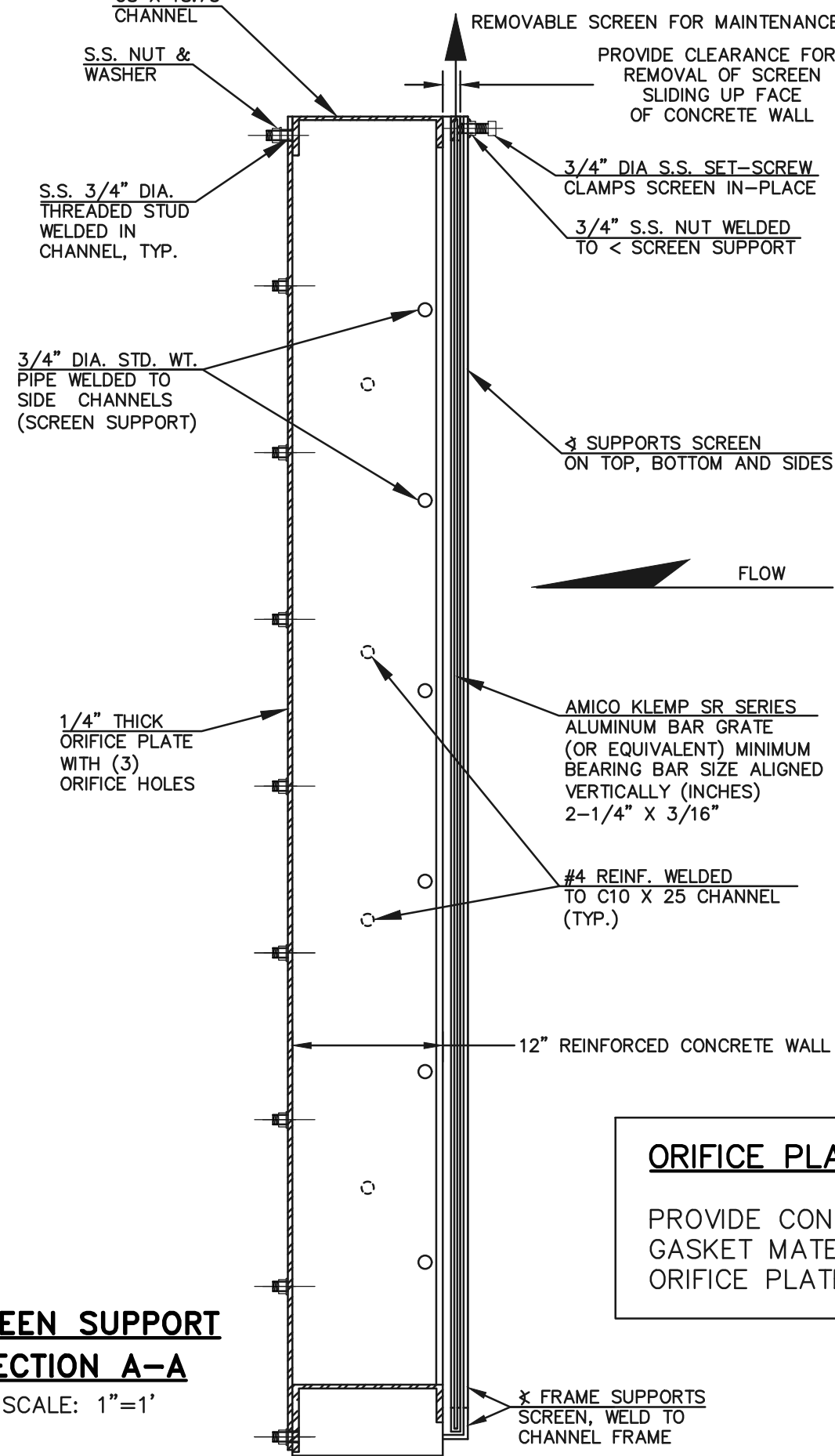
**CHANNEL FRAME
WITH WALL ANCHORS**
SCALE: 1"=1'



SCREEN SUPPORT
SCALE: 1"=1'

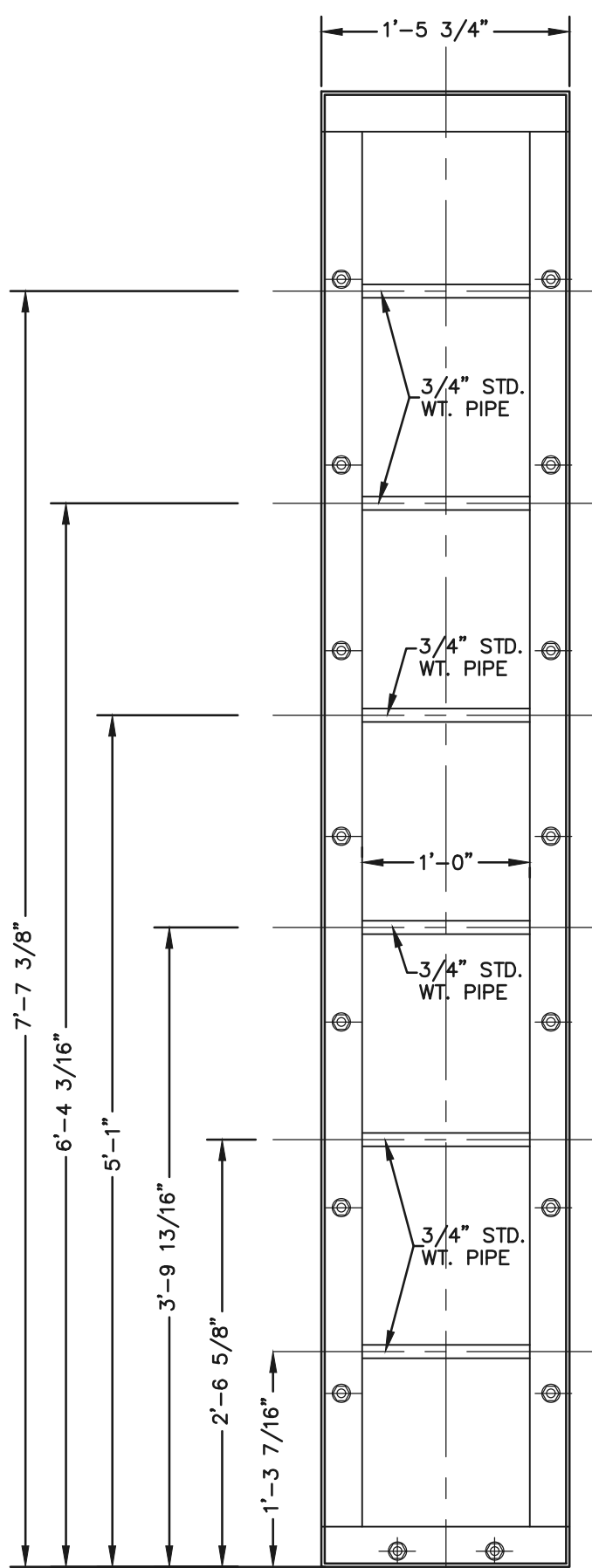


**1/4" THICK
ORIFICE PLATE**
SCALE: 1"=1'



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

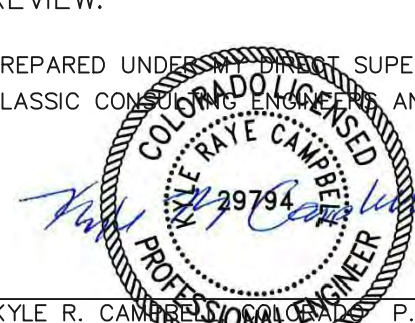
ORIFICE PLATE NOTE:
PROVIDE CONTINUOUS NEOPRENE
GASKET MATERIAL BETWEEN THE
ORIFICE PLATE AND CONCRETE



CHANNEL FRAME
SCALE: 1"=1'

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MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND
PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NO.	REVISION	DATE

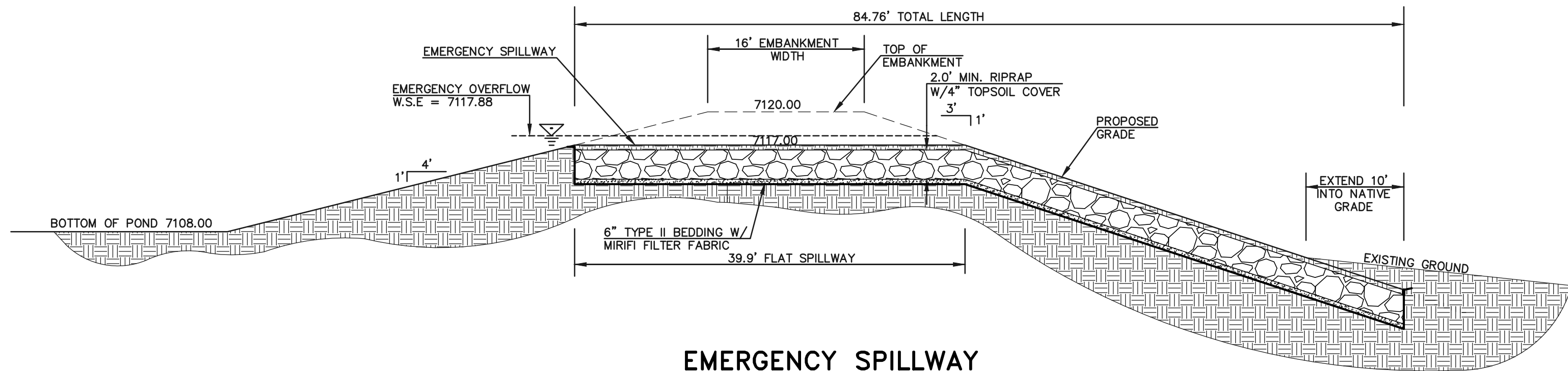
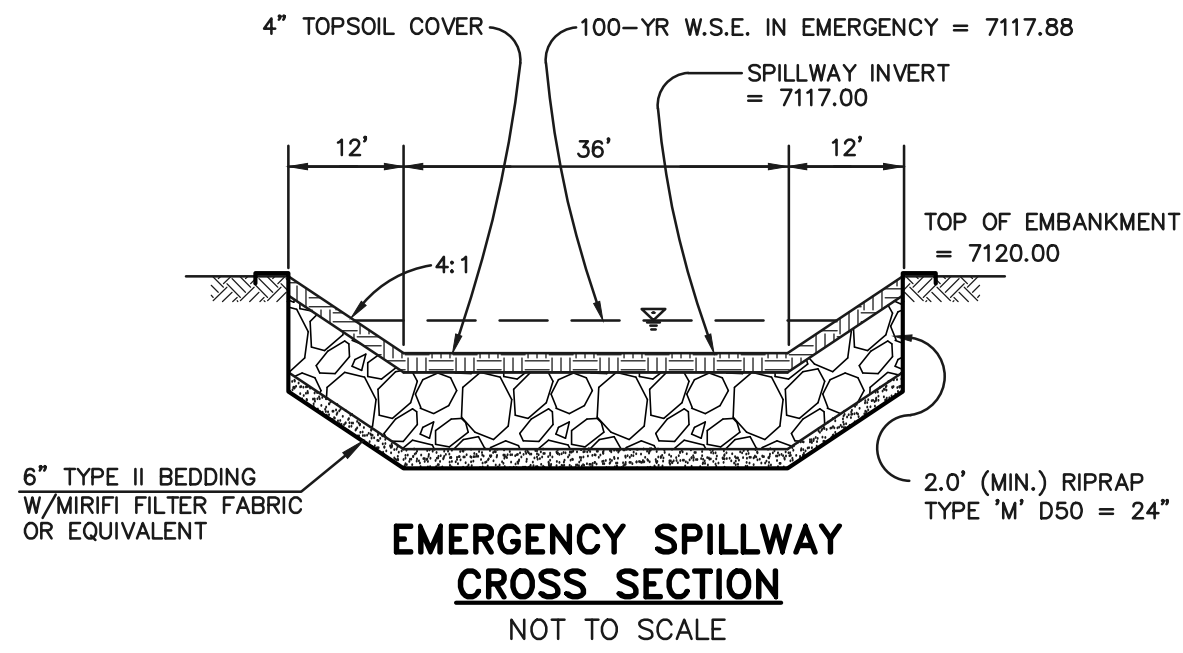
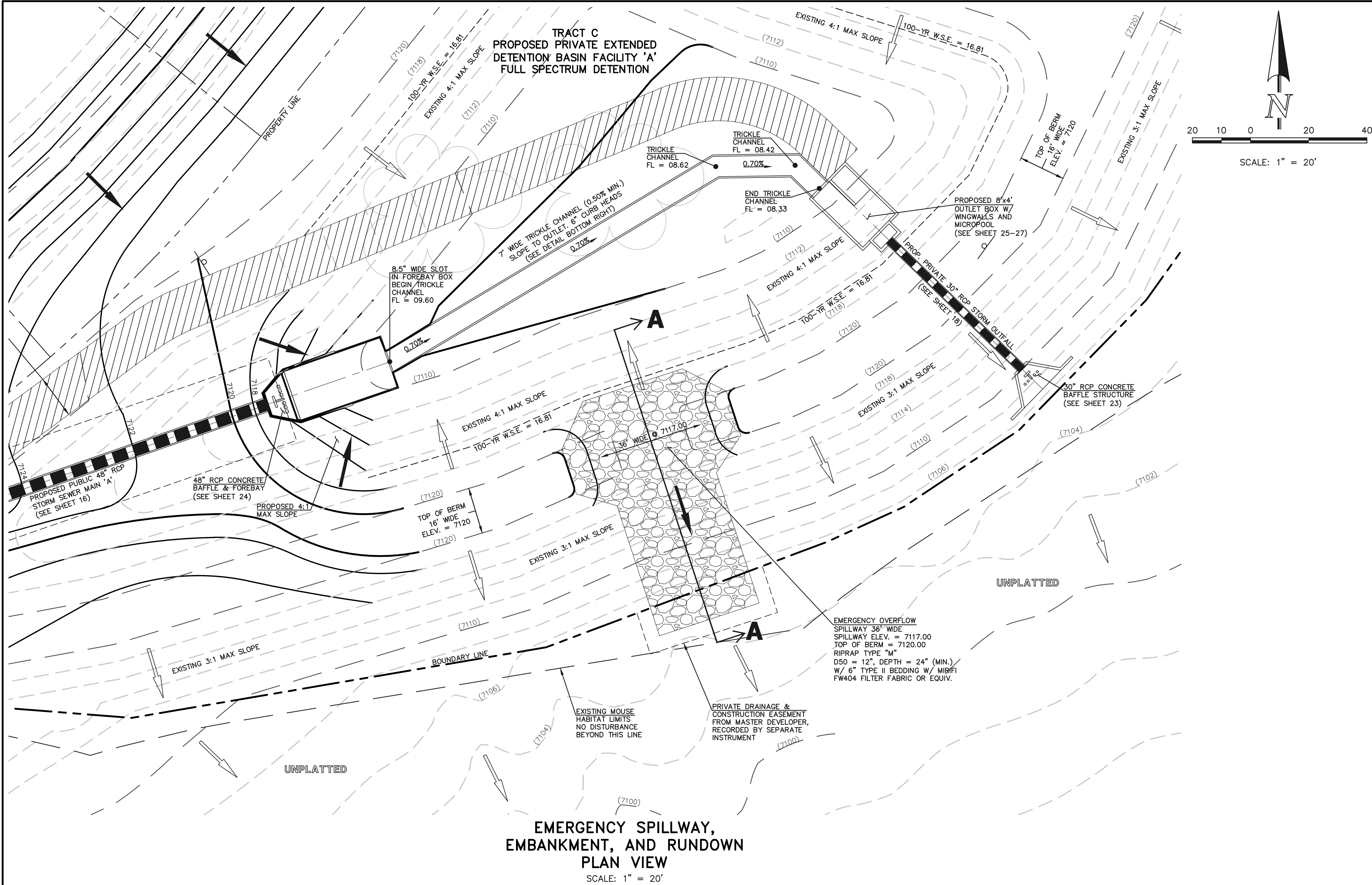
REVIEW:
PREPARED UNDER THE DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING AND SURVEYORS, LLC

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


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

FOREST LAKES FILING NO. 7 CONSTRUCTION PLANS			
OUTLET BOX DETAILS			
DESIGNED BY	MAL	SCALE	DATE 11/23/21
DRAWN BY	MES	(H) 1"= 1'	SHEET 27 OF 31
CHECKED BY		(V) 1"= N/A	JOB NO. 1175.70

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Colorado Springs, Colorado 80903

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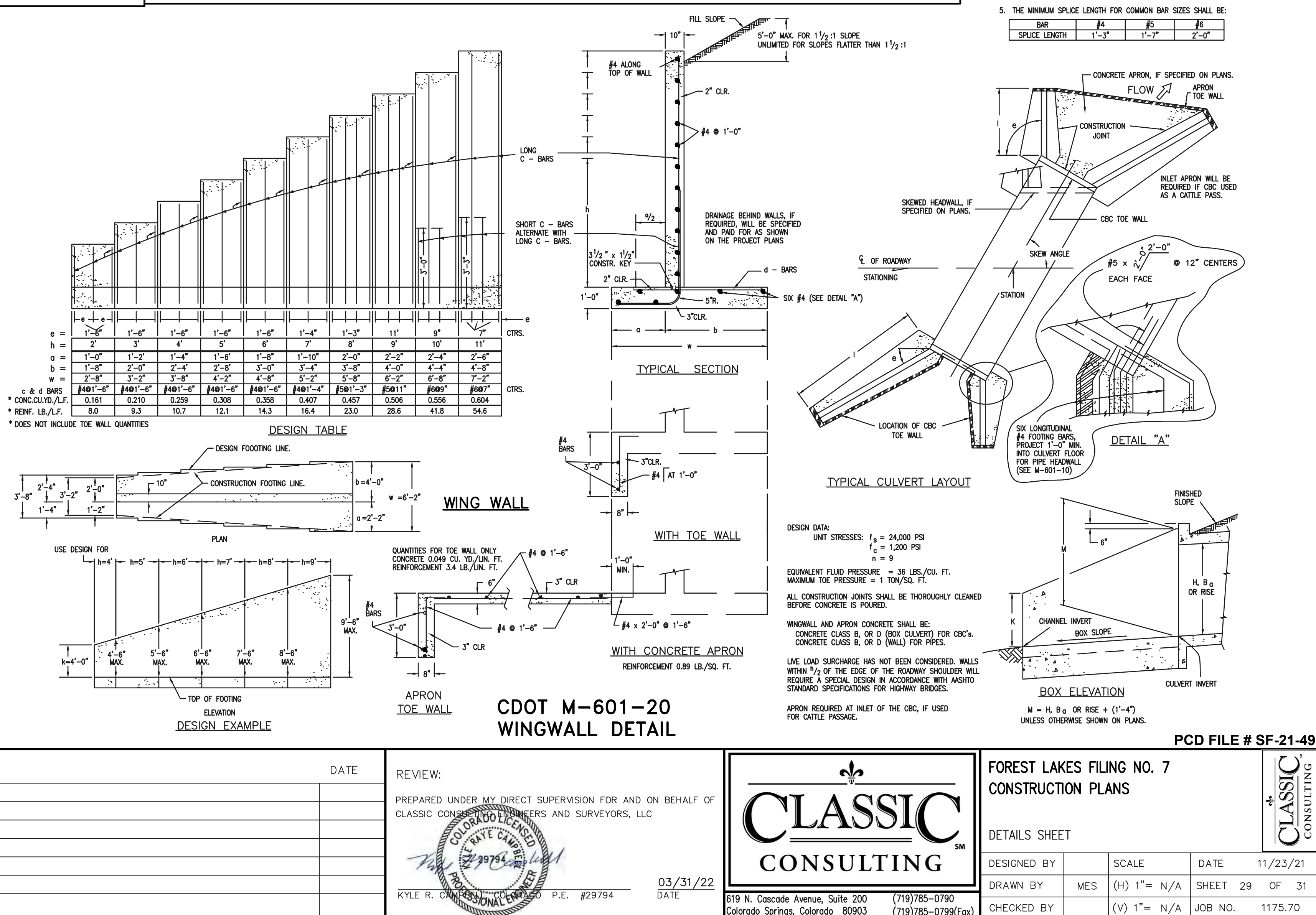
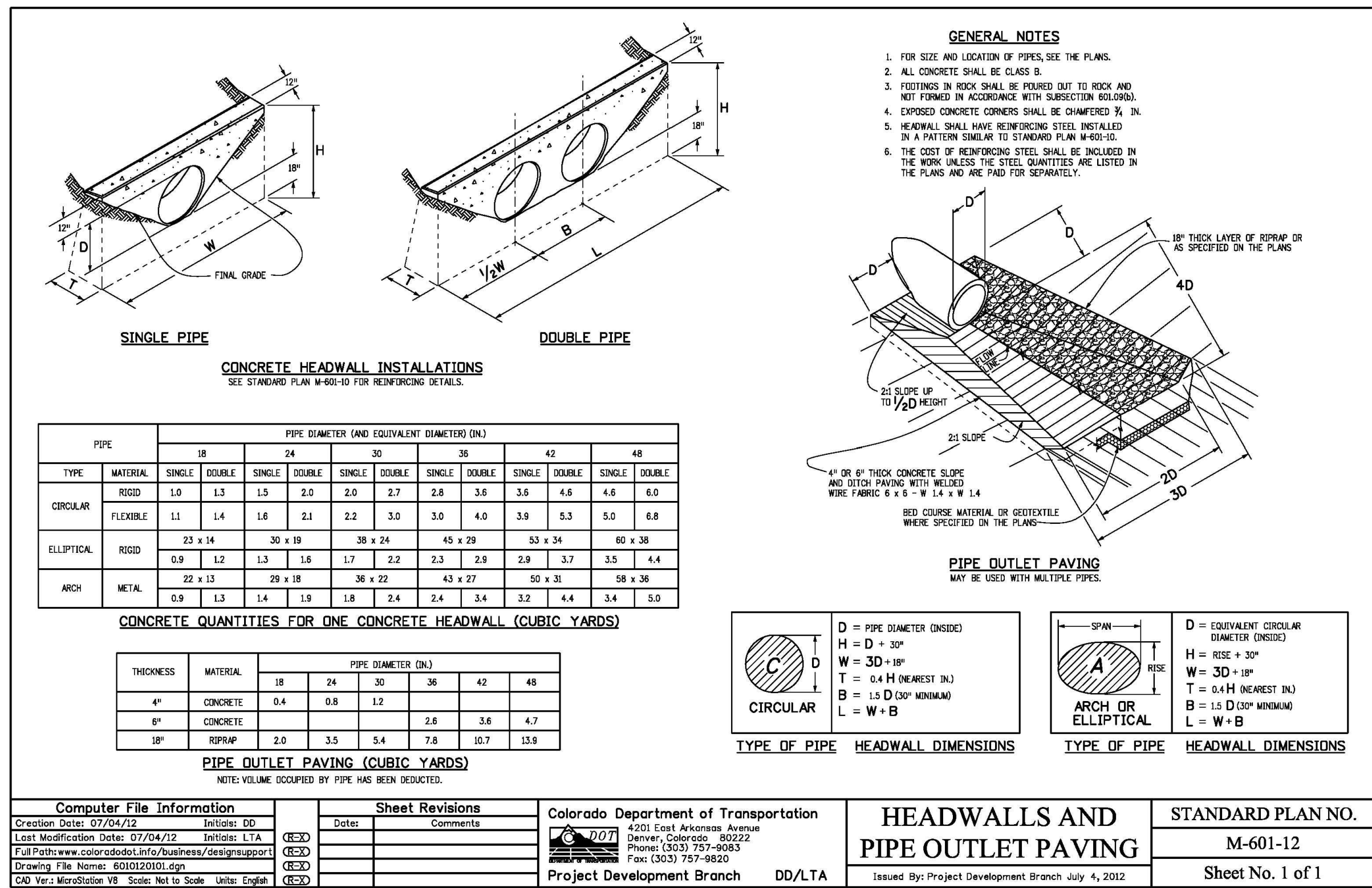
FOREST LAKES FILING NO. 7
CONSTRUCTION PLANS

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

PCD FILE # SF-21-49

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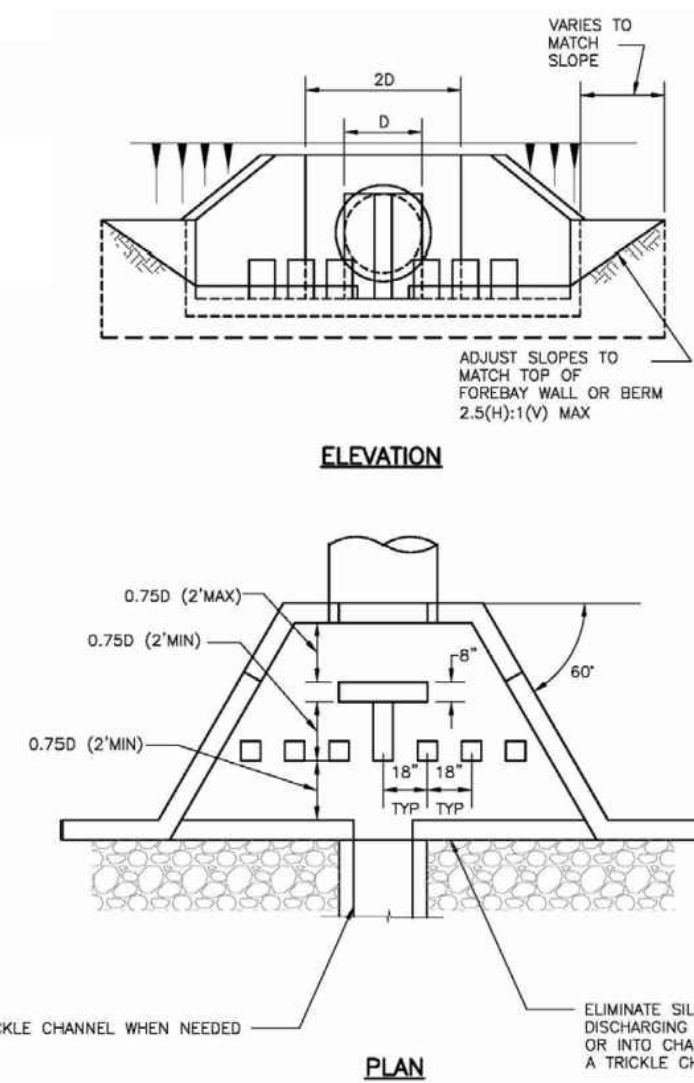
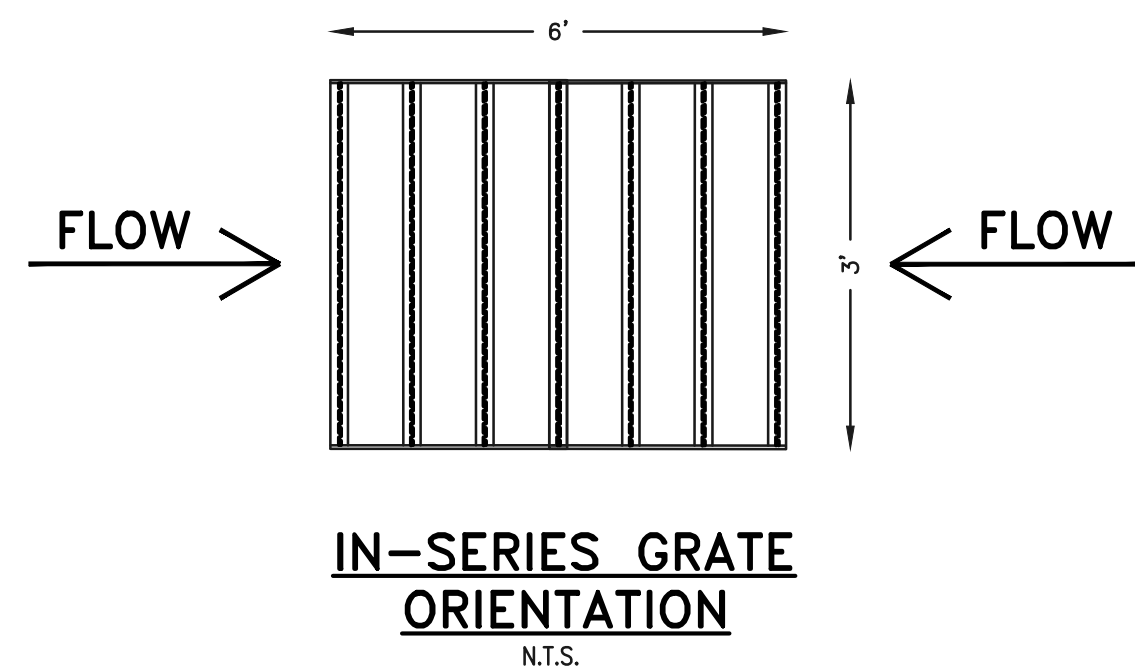
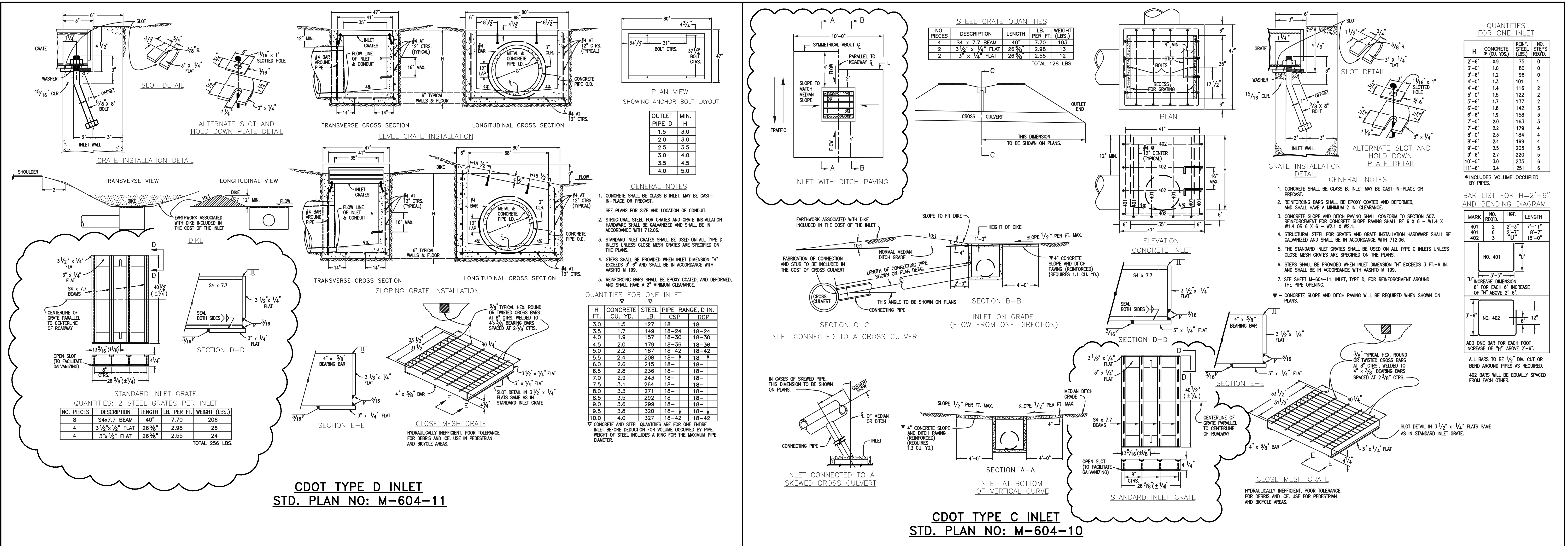


Figure 9-43. Modified impact stilling basin for conduits 18" to 48" in diameter (Part 1 of 2)

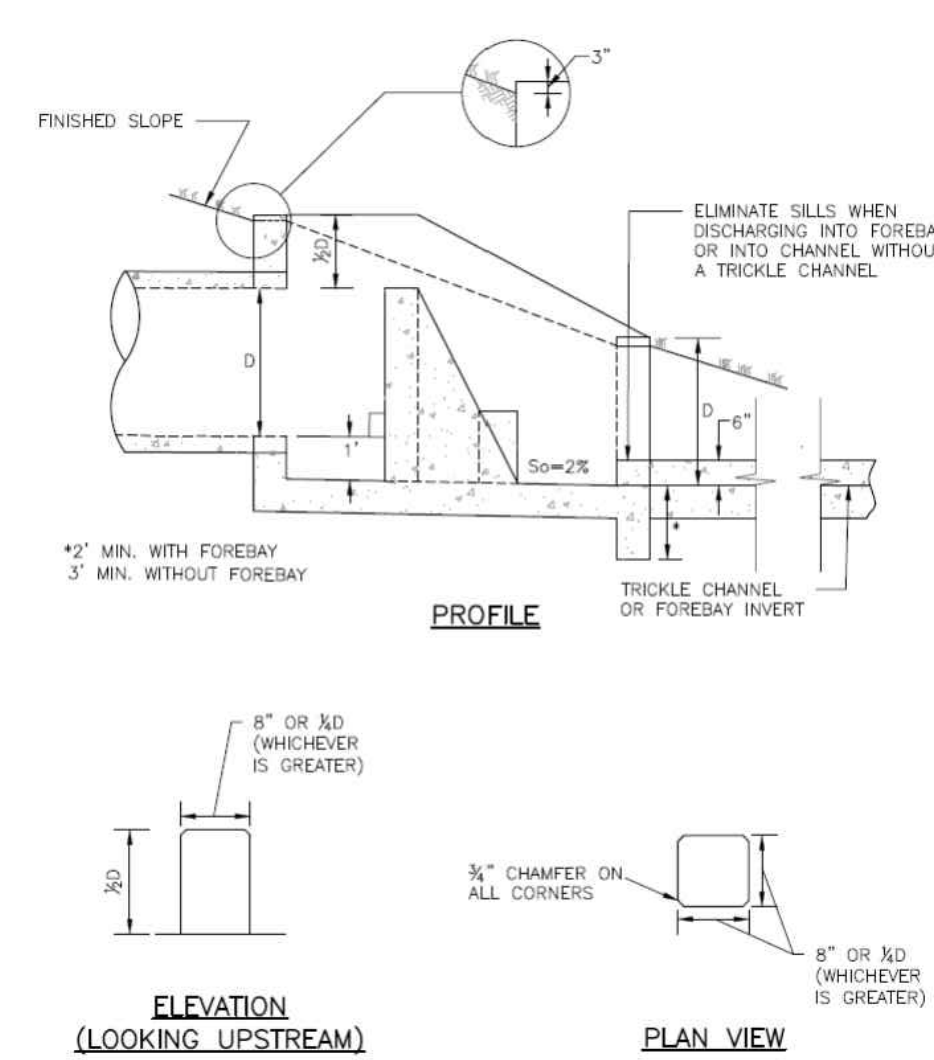
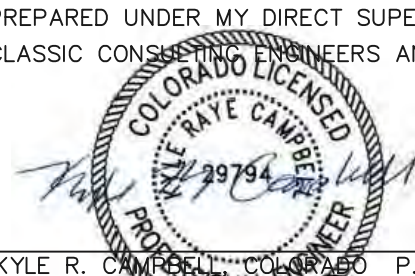


Figure 9-44. Modified impact stilling basin for conduits 18" to 48" in diameter (Part 2 of 2)

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

FOREST LAKES FILING NO. 7 CONSTRUCTION PLANS			
DETAILS SHEET			
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