

GENERAL CONSTRUCTION NOTES:

1. 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 LOCATE 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 SOILS 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 M RIP-RAP WITH 4" OF TYPE II GRANULAR BEDDING AND MIRAFI 180N OR EQUAL MAY BE SUBSTITUTED WHERE TYPE L RIP-RAP WITH MIRAFI FW 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.

STANDARD NOTES FOR EL PASO COUNTY CONSTRUCTION PLANS:

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

SIGNING AND STRIPING NOTES:

1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY 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-614-8 REGARDING USE OF THE P2 TUBULAR STEEL POST SLIPBASE DESIGN.
10. ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
11. ALL LIMIT LINES/TOP 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 (719) 520-6819 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.

BENCHMARKS:

- A. A 1-1/2" ALUMINUM SURVEYORS CAP STAMPED "CCS LLC PLS 30118" LOCATED AT THE SOUTHWESTERLY CORNER OF FOREST LAKES FILING NO. 6, APPROXIMATELY 572.93 FEET SOUTHERLY FROM THE SOUTH 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 "CCS LLC PLS 30118" 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

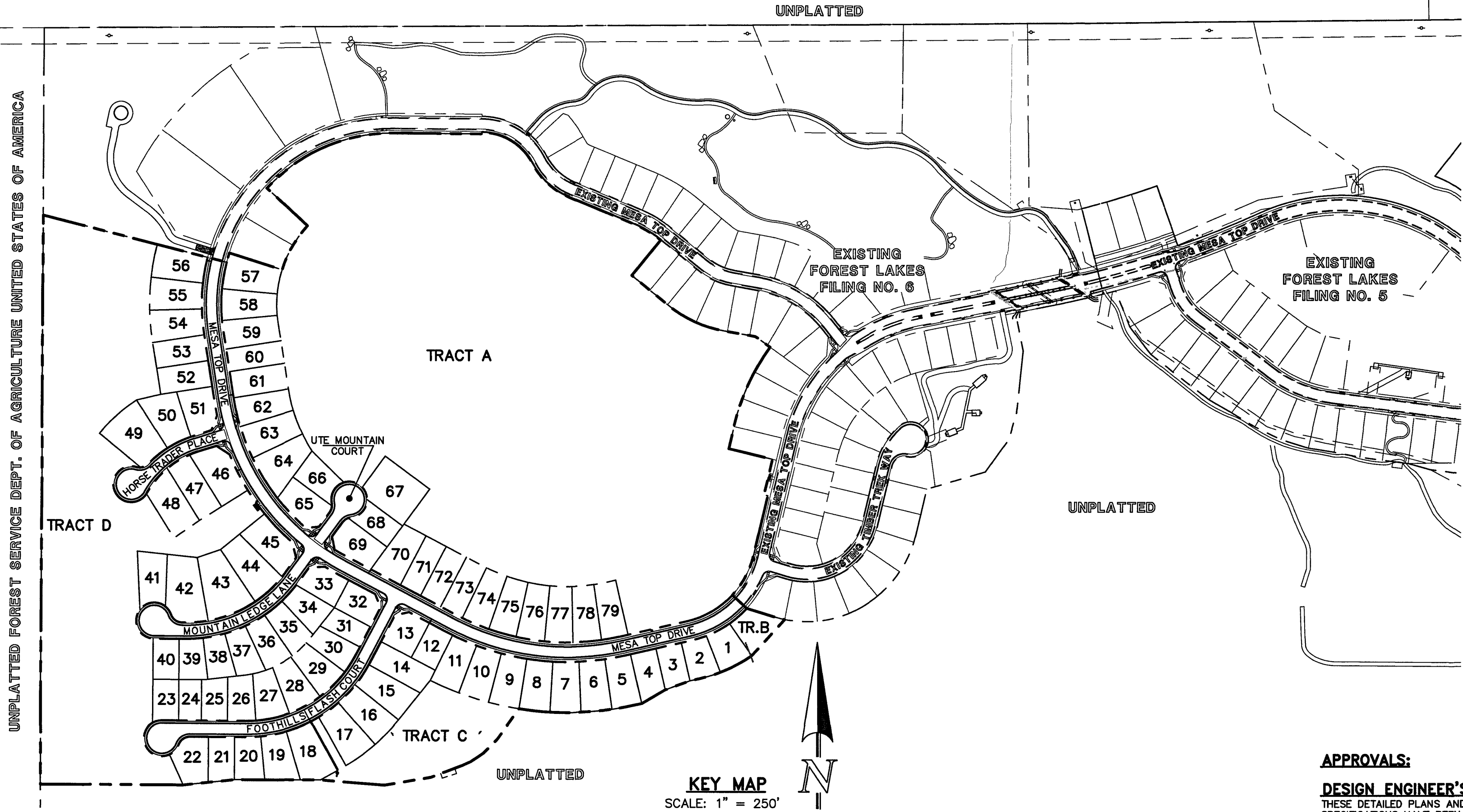
FOREST LAKES FILING NO. 7

COUNTY OF EL PASO, STATE OF COLORADO

CONSTRUCTION PLANS

MAY 2021

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



CONSTRUCTION PLAN: SHEET INDEX

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

KEY MAP

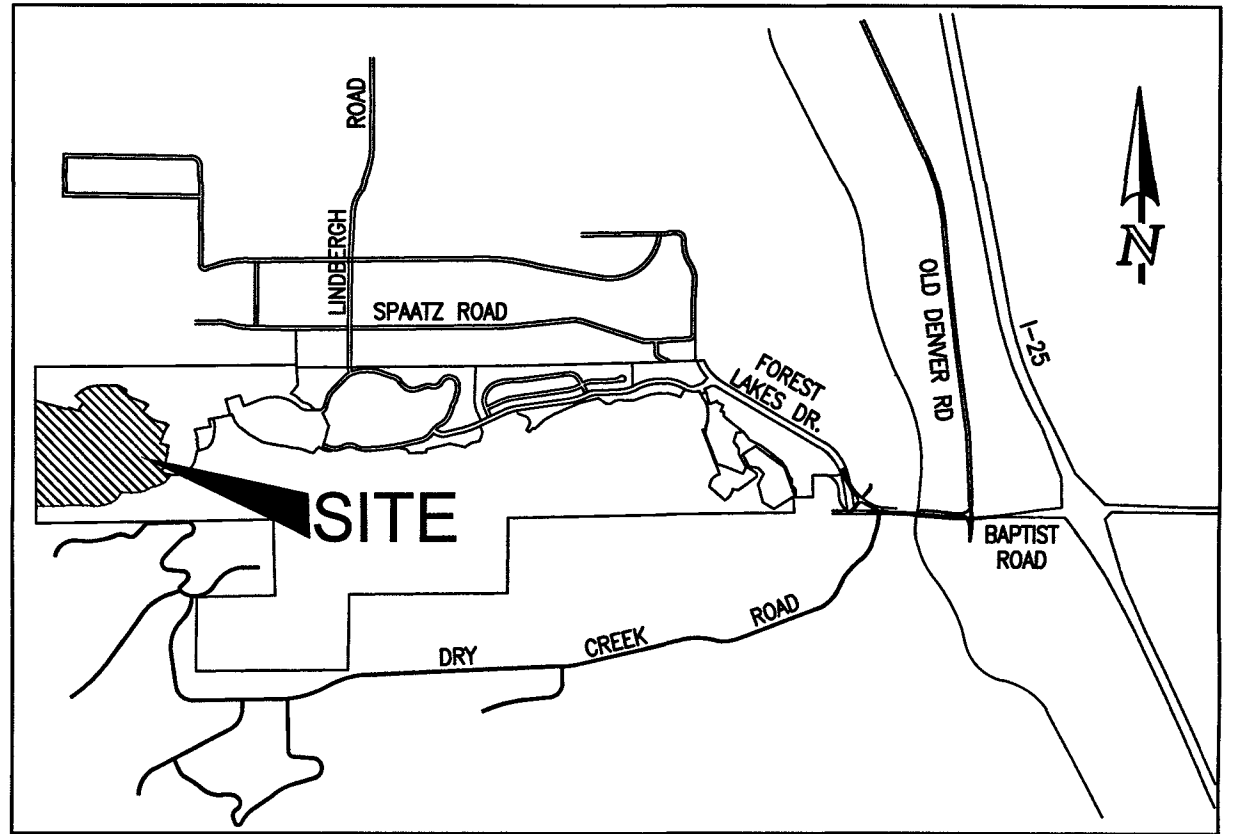
SCALE: 1" = 250'

NOTE:

THIS PROPERTY IS SUBJECT TO THE FINDINGS, SUMMARY AND CONCLUSIONS OF A GEOLOGIC HAZARDS EVALUATION AND PRELIMINARY GEOTECHNICAL INVESTIGATION PREPARED BY CTL/THOMPSON, DATED JULY 18, 2018.

UTILITY CONSTRUCTION PLAN: SHEET INDEX

TITLE SHEET	SHEET 1 OF 11
SANITARY SEWER PLAN - MESA TOP DR. STA: 1+00.00 - 12+50.00	SHEET 2 OF 11
SANITARY SEWER PLAN - MESA TOP DR. STA: 12+50.00 - END	SHEET 3 OF 11
SANITARY SEWER PLAN - HORSE TRADER PL. & MOUNTAIN LEDGE LN.	SHEET 4 OF 11
SANITARY SEWER PLAN - FOOTHILLS FLASH CT. STA: 1+00.00 - END	SHEET 5 OF 11
PUBLIC 8" PVC WATER SYSTEM PLAN	SHEETS 6-9 OF 11
UTILITY SERVICE PLAN	SHEET 10 OF 11
UTILITY SERVICE PLAN/DETAILS	SHEET 11 OF 11



VICINITY MAP

NOT TO SCALE

AGENCIES:

DEVELOPER:	FOREST LAKES RESIDENTIAL DEVELOPMENT, LLC 6385 CORPORATE DRIVE, SUITE 200 COLORADO SPRINGS, CO 80919 MR. JIM BOULTON (719) 592-3259
CIVIL ENGINEER:	CLASSIC CONSULTING ENGINEERS & SURVEYORS 619 N. CASCADE AVENUE, SUITE 200 COLORADO SPRINGS, CO 80903 MR. KYLE R. CAMPBELL, P.E. (719) 785-2800
COUNTY ENGINEERING:	DEVELOPMENT SERVICES DEPARTMENT 2880 INTERNATIONAL CIRCLE COLORADO SPRINGS, CO 80910 MR. GILBERT LAFORCE, (719) 520-7945
WATER & SANITATION DISTRICT:	FOREST LAKES METROPOLITAN DISTRICT 2 N. CASCADE AVENUE, SUITE 1280 COLORADO SPRINGS, CO 80903 MS. ANN NICHOLS, (719) 633-9500
FIRE DISTRICT:	TRI-LAKES MONUMENT FIRE PROTECTION DISTRICT 166 SECOND STREET MONUMENT, COLORADO 80132 (719) 484-0911
GAS COMPANY:	BLACK HILLS ENERGY 18985 BASE CAMP ROAD, A-7 MONUMENT, CO 80132 (888) 890-5554
ELECTRIC COMPANY:	MOUNTAIN VIEW ELECTRIC 1140 E. WOODMEN ROAD FALCON, COLORADO 80831 (719) 495-2283
TELEPHONE COMPANY:	CENTURY LINK COMMUNICATIONS (LOCATORS) (800)-922-1987 A.T.&T. (LOCATORS) (719) 635-3674

APPROVALS:

DESIGN ENGINEER'S STATEMENT:

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY DIRECTLY CAUSED BY THE NEGLIGENCE OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

KYLE R. CAMPBELL, COLORADO P.E. #29794
FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS & SURVEYORS

03/31/22
DATE

OWNER/DEVELOPER'S STATEMENT:

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.

JIM BOULTON
JIM BOULTON

3-31-22
DATE

EL PASO COUNTY:

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2 AND ENGINEERING CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH WITH EGM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTOR'S DISCRETION.

APPROVED

Engineering Department

05/12/2022 2:11:52 PM

JENNIFER IRVINE, P.E.

COUNTY ENGINEER / EGM ADMINISTRATOR

DATE

EPC Planning & Community Development Department

PCD FILE # SF-21-49

REVIEW:

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

KYLE R. CAMPBELL, COLORADO P.E. #29794

03/31/22
DATE



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

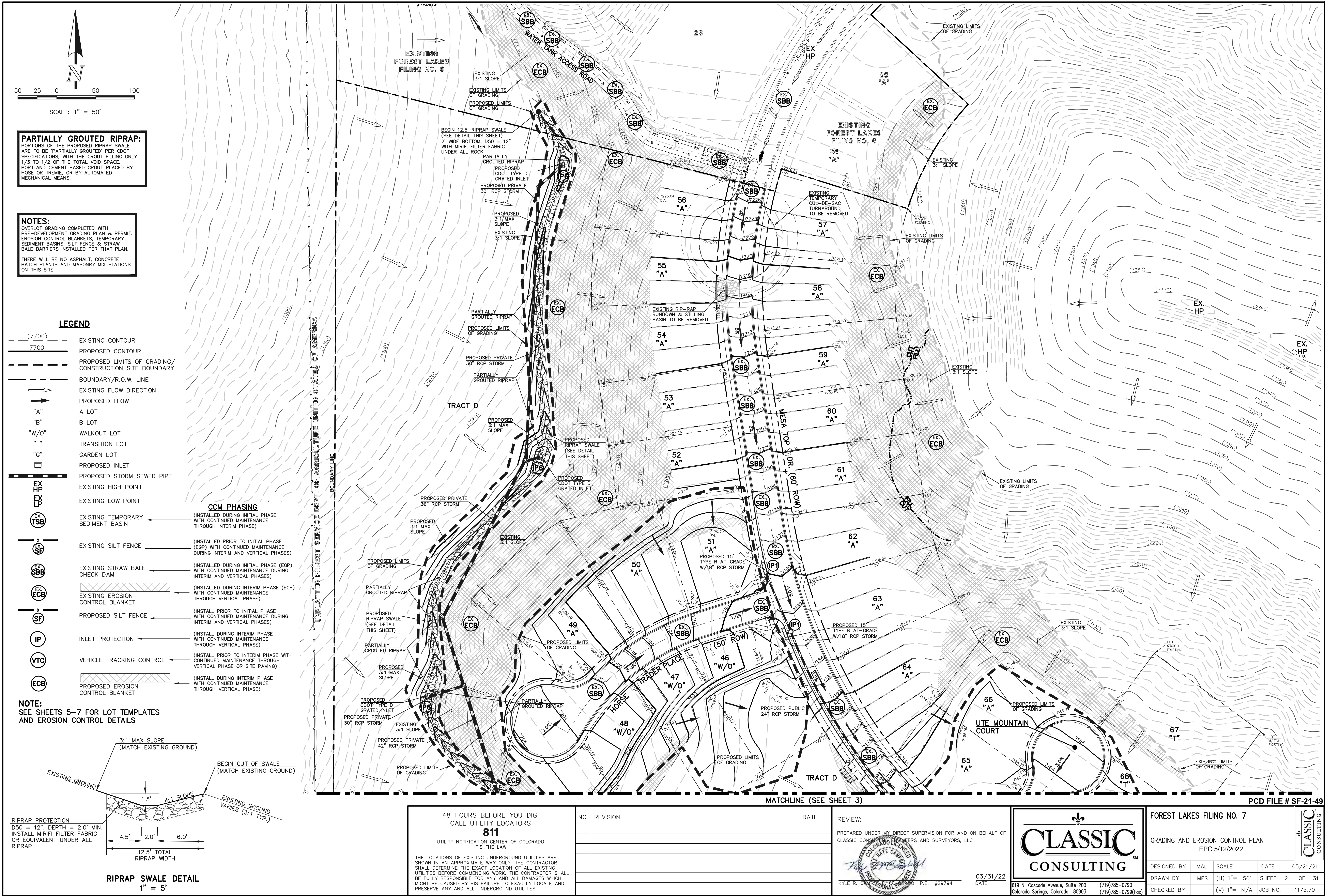
FOREST LAKES FILING NO. 7

CONSTRUCTION PLANS

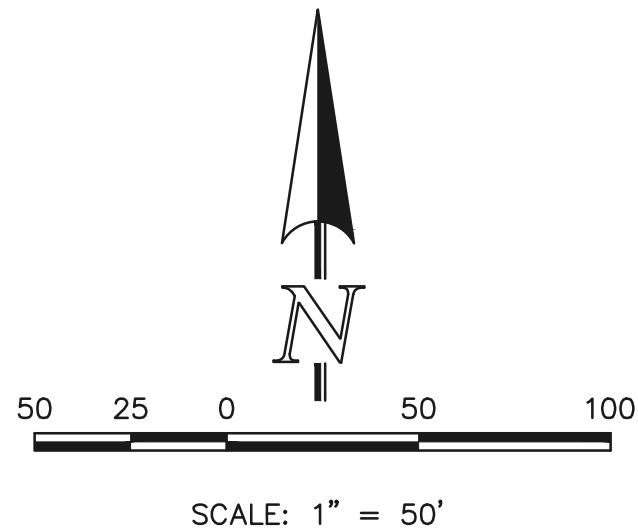
TITLE SHEET

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	

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



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



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
 - 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)
 - (INSTALLED DURING INTERIM PHASE (EGP) WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
 - (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:
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.

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.

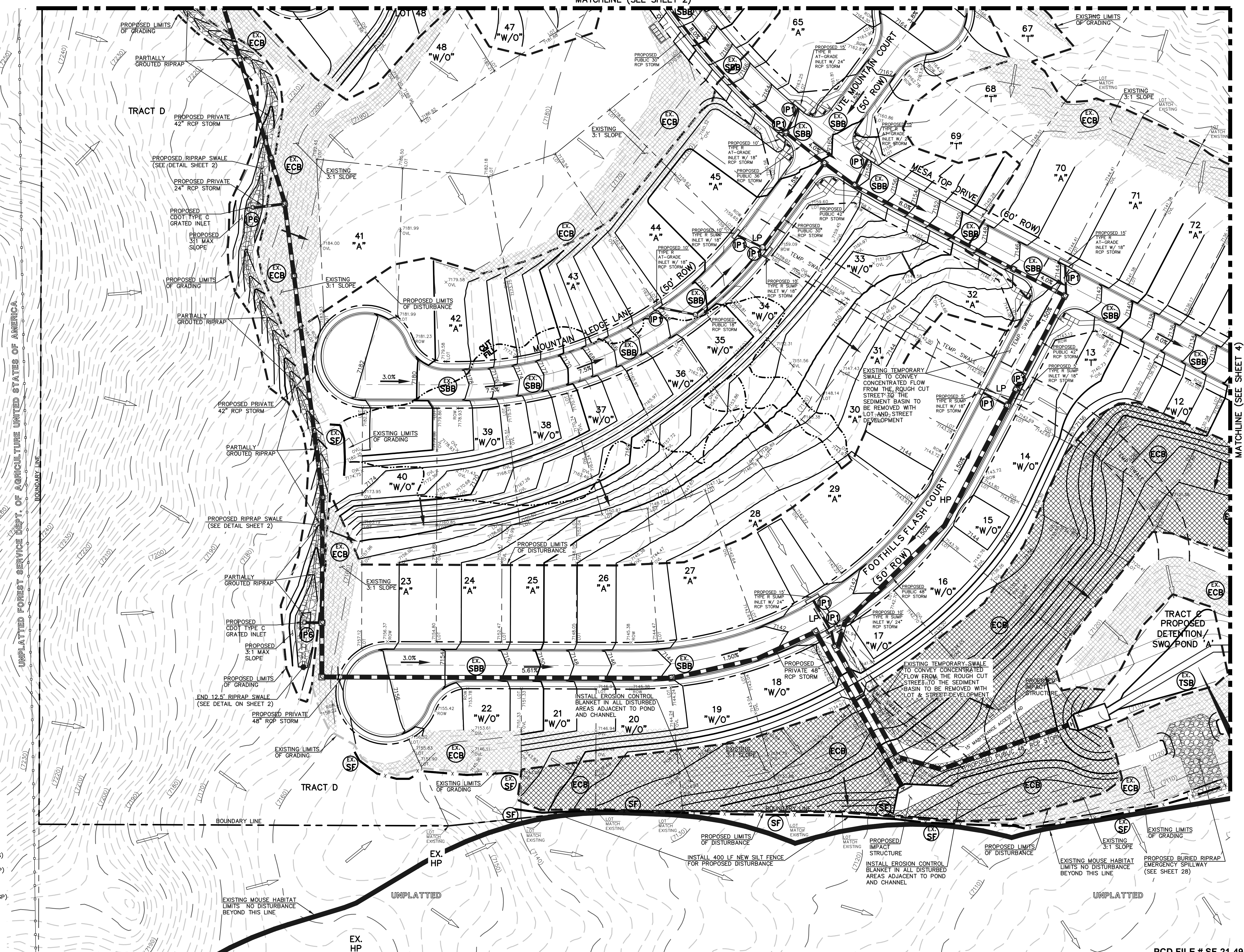
NO.	REVISION	DATE

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

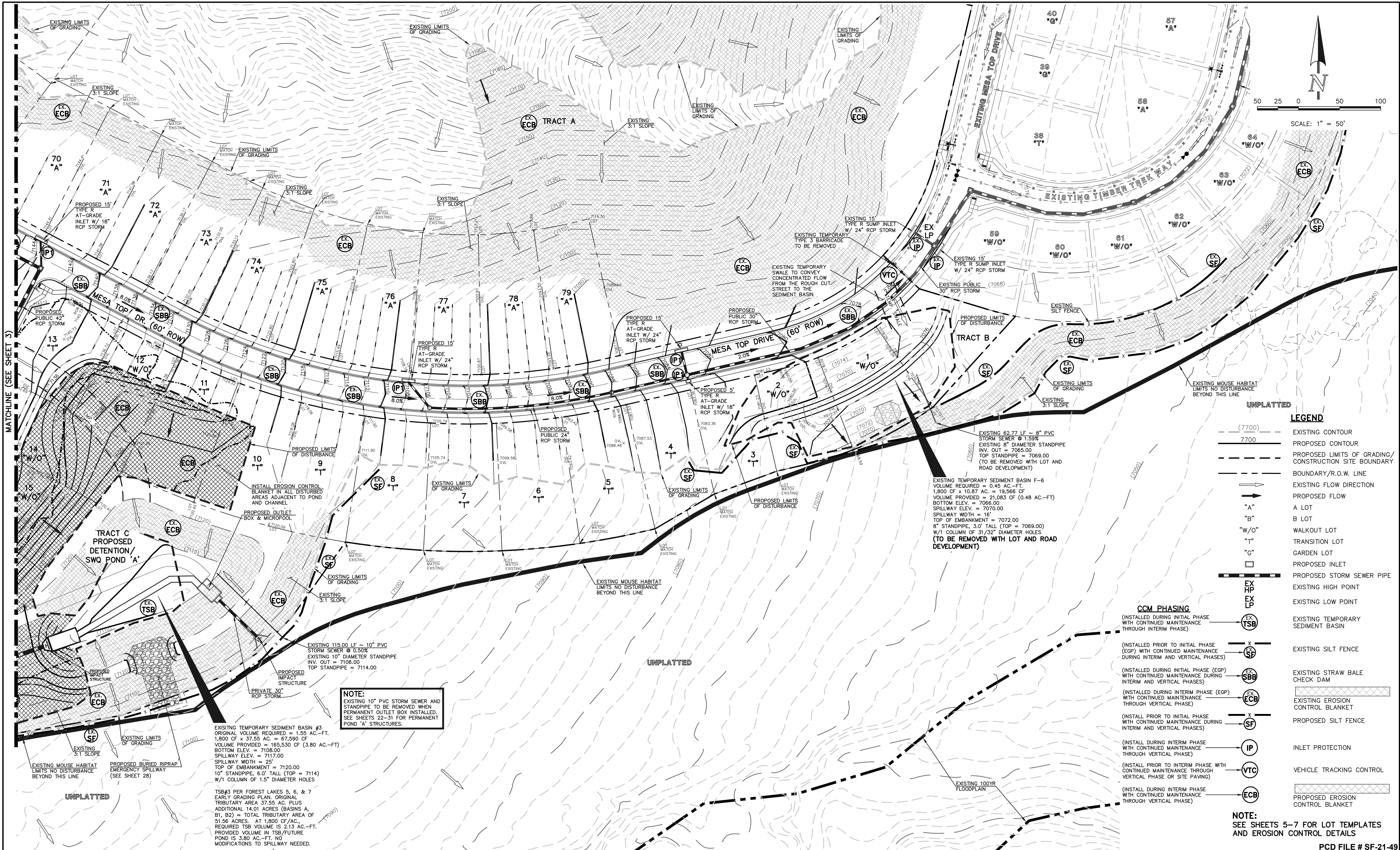
KYLE R. O'CONNELL, P.E. #29794
03/31/22
DATE

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 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




N:\17570-DRAWINGS\CONSTRUCTION\GRADING-EROSION\04-117570-CR-03.dwg, 3/31/2022 12:17:51 PM, 1:1



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.

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
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			
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

CLASSIC
CONSULTING

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 RECENT 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 CONTRACTOR, OWNER, 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 EROSION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS. 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 IS 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 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.

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 8, 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.

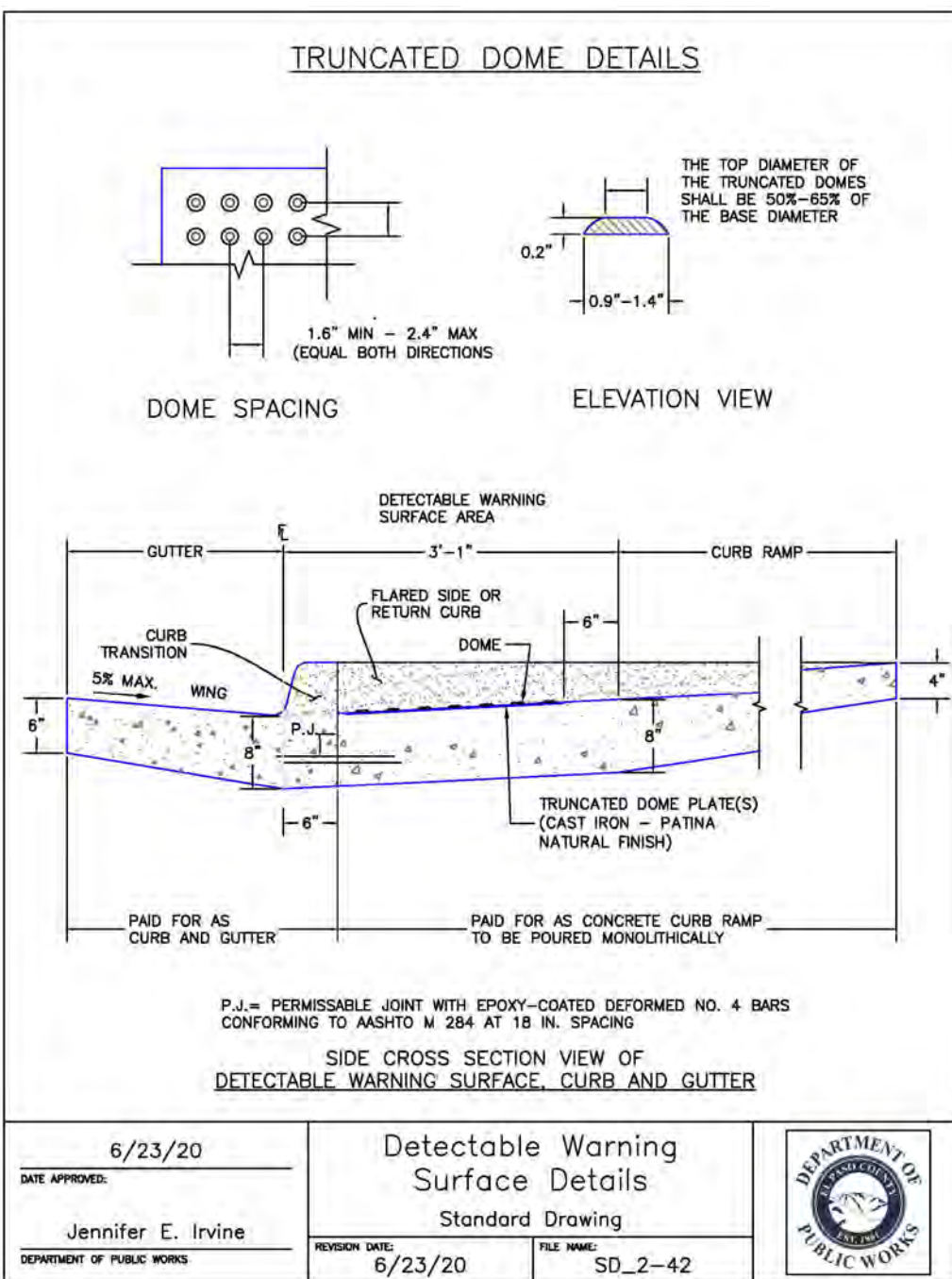
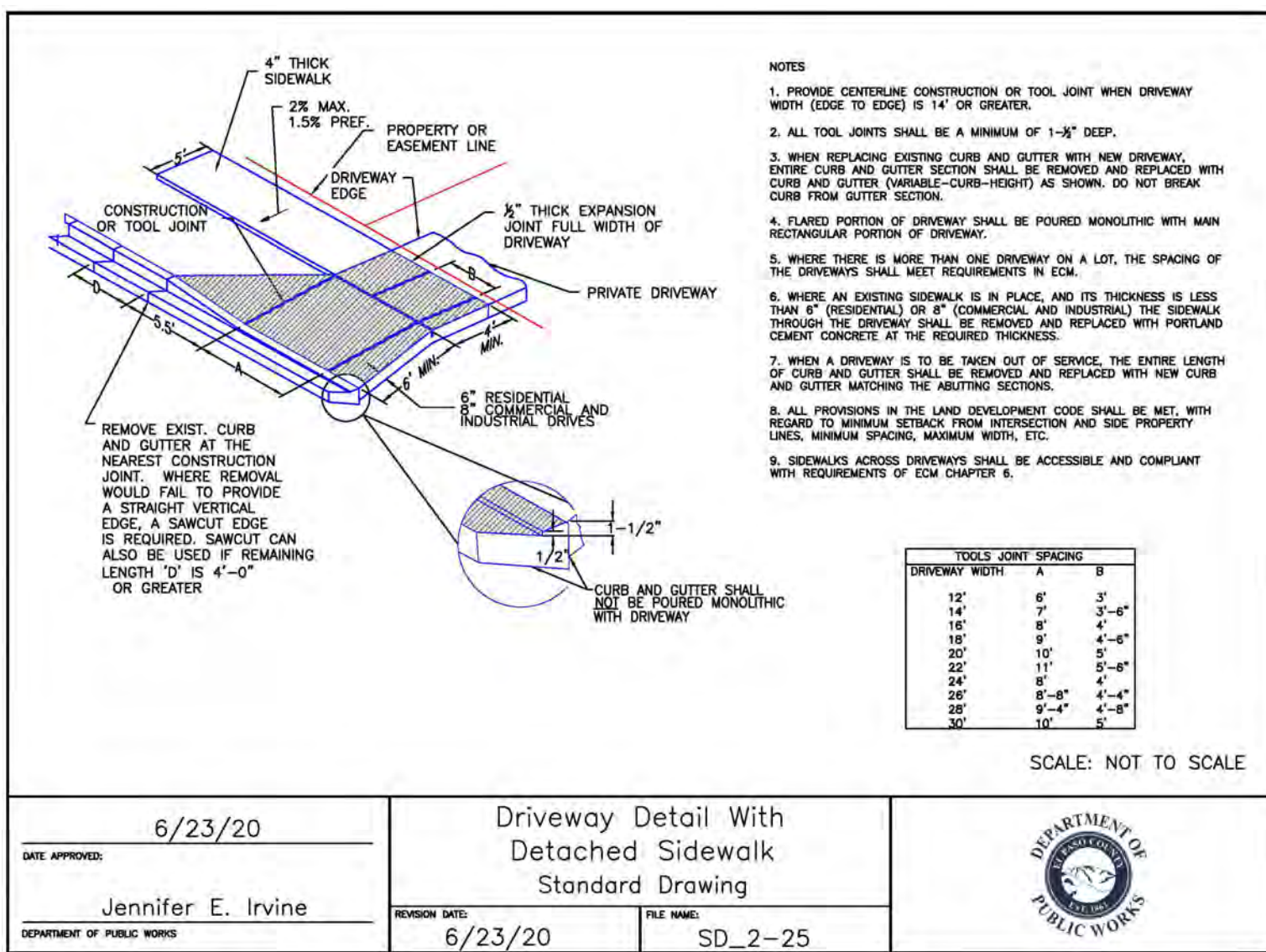
A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.

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.

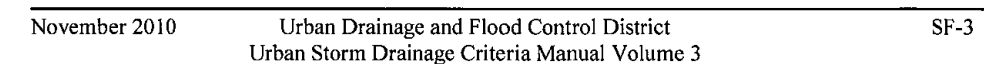
AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY 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.

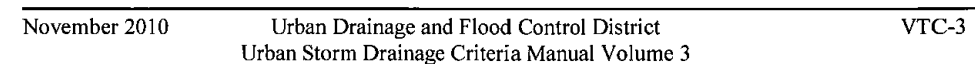
03/31/22
DATE



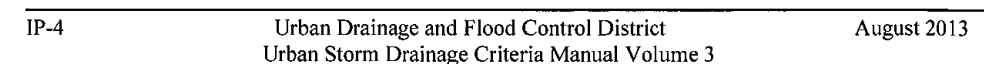
SC-1



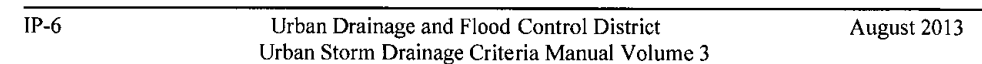
SM-4



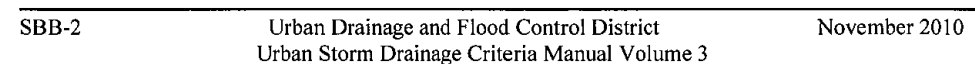
Inlet Protection (IP)



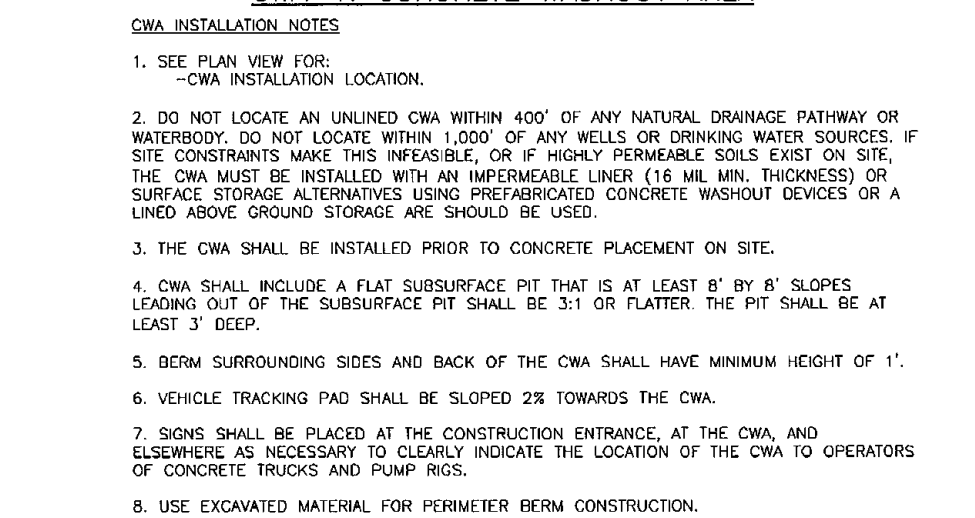
Inlet Protection (IP)



Straw Bale Barrier (SBB)



MM-1



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

Concrete Washout Area (CWA)

CWA MAINTENANCE NOTES

1. INSPECT SPILLS EACH MONTH, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BURNS SHOULD BE PROTECTIVE, NOT RESTORATIVE. INSPECT SPILLS AS SOON AS POSSIBLE AFTER THEY OCCUR. FOLLOWING A SPILL, THE SPILLER SHOULD BE PROTECTED FROM EROSION, AND BURNHOLD NECESSARY MAINTENANCE.

2. FREQUENT OPERATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN SPILLS IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED WITHIN 24 HOURS OF THE SPILL.

3. WHERE BURNS HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. THE CWA SHALL BE REPAIRED, ENLARGED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY. CONCRETE REPAIRS TO CONCRETE MATERIALS, ACCUMULATED IN PIT, SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2".

5. CONCRETE WASHWATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER-TIGHT CONTAINER OF PROPER CAPACITY.

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. ANY OPERATIONS STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

DETAILS: MATERIALS FROM DOUGLAS COUNTY, COLORADO AND THE CITY OF PUEBLO, COLORADO, NOT AVAILABLE IN A USGS DATA SET. MANY JURISDICTIONS HAVE BURN DETAILS THAT VARY FROM USGS STANDARD DETAILS. THESE DETAILS ARE PROVIDED AS GUIDANCE AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

CWA-4
Urban Drainage and Flood Control District
November 2010

Urban Storm Drainage Criteria Manual Volume 3

PCD FILE # SF-21-49

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 RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND MARK ANY AND ALL UNDERGROUND UTILITIES.

 KYLE R. CAMPBELL, COLORADO P.E. #29794

03/31/22
DATE

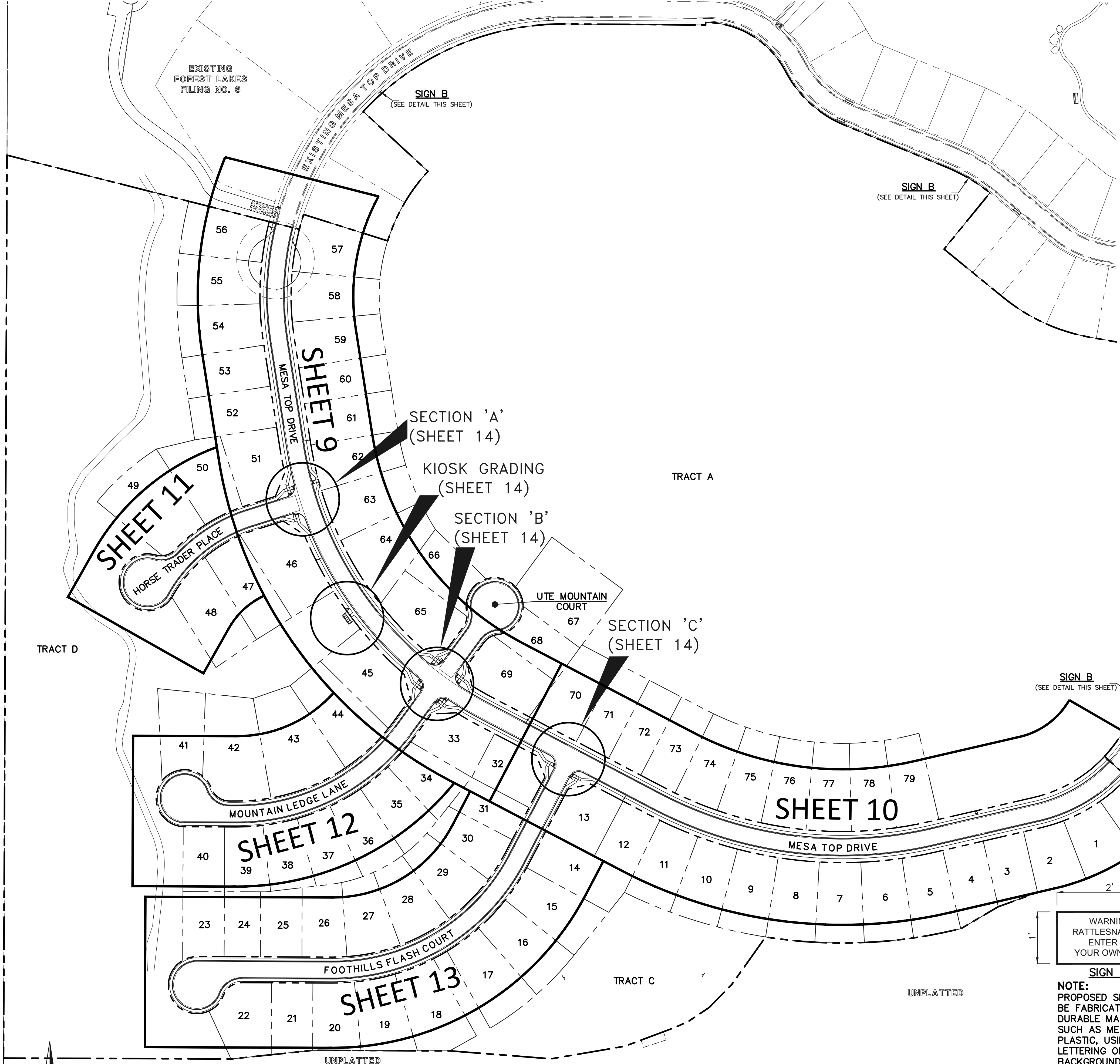
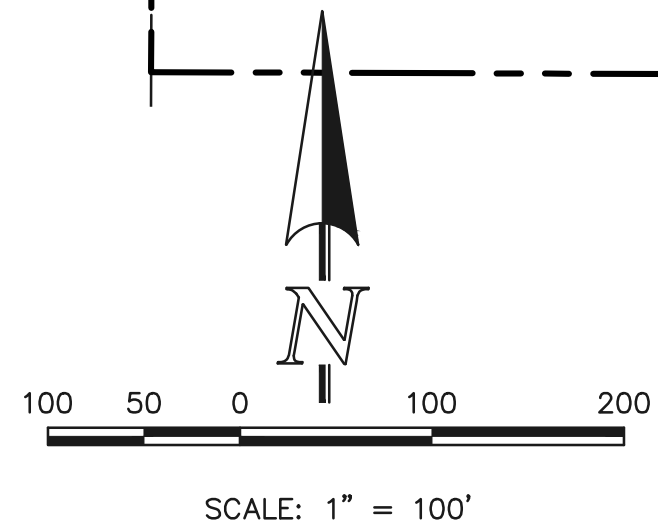
619 N. Cascade Avenue, Suite 200 (719)785-0790
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

DRAWN BY	MES	(H) 1"= N/A	SHEET 7 OF 31
----------	-----	-------------	---------------

CLASSICSM

N:\17570\DRAWINGS\CONSTRUCTION\STREETS\06-17570-SI-01.dwg, 3/31/2022, 12:21:33 PM, 1:1

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

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. COMPTON, 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
KEY MAP WITH TYPICAL STREET SECTIONS
EPC 5/12/2022

DESIGNED BY	MAL	SCALE	DATE	05/21/21
DRAWN BY	MES	(H) 1" = 100'	SHEET	8 OF 31
CHECKED BY	(V) 1" = N/A	JOB NO.	1175.70	

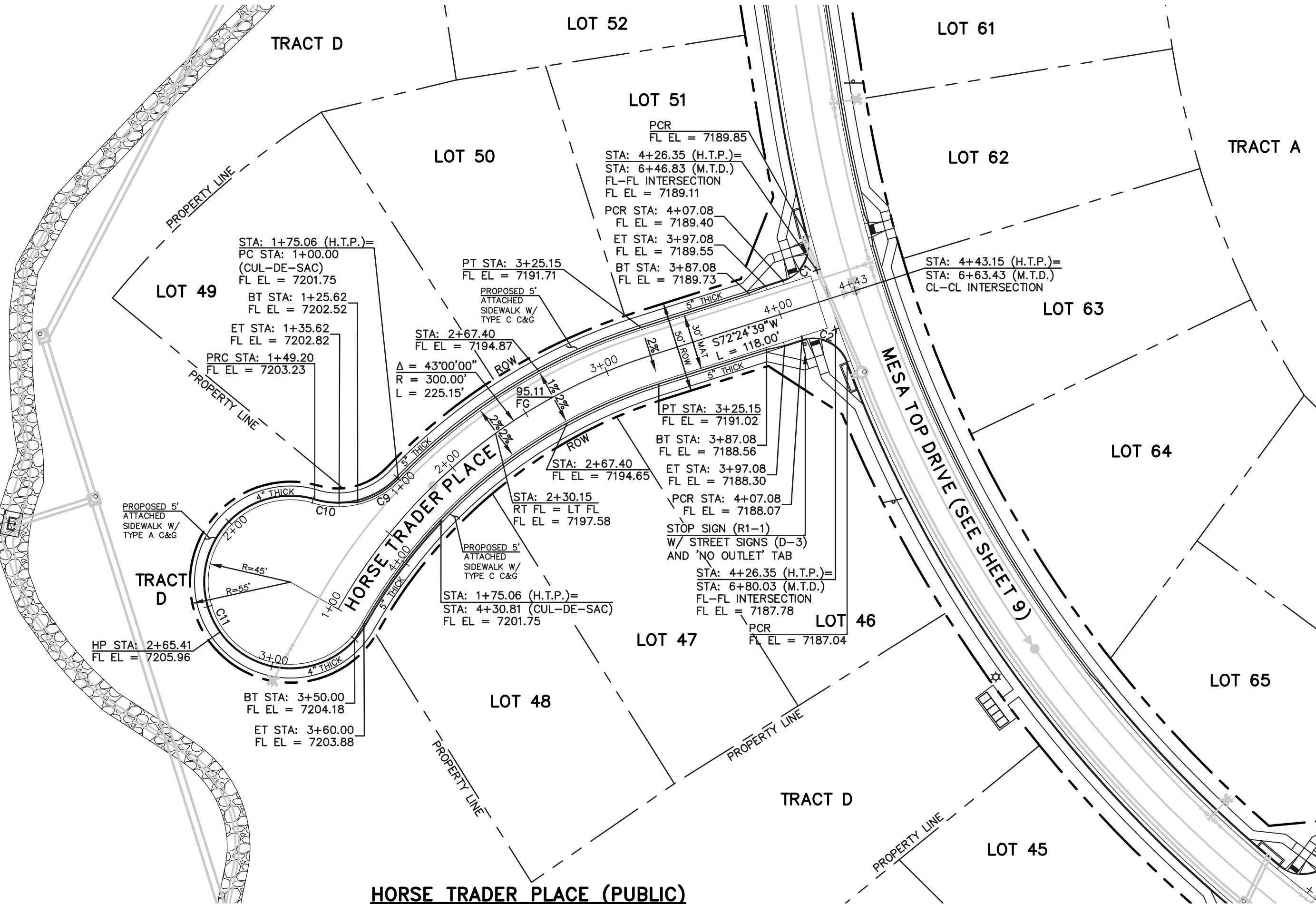
N:\17570\DRAWINGS\CONSTRUCTION\STREETS\11-17570-SI-04.dwg, 3/31/2022 12:24:18 PM, 1:1

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	171°7'24"
C11	200.80	47.00	244°47'21"

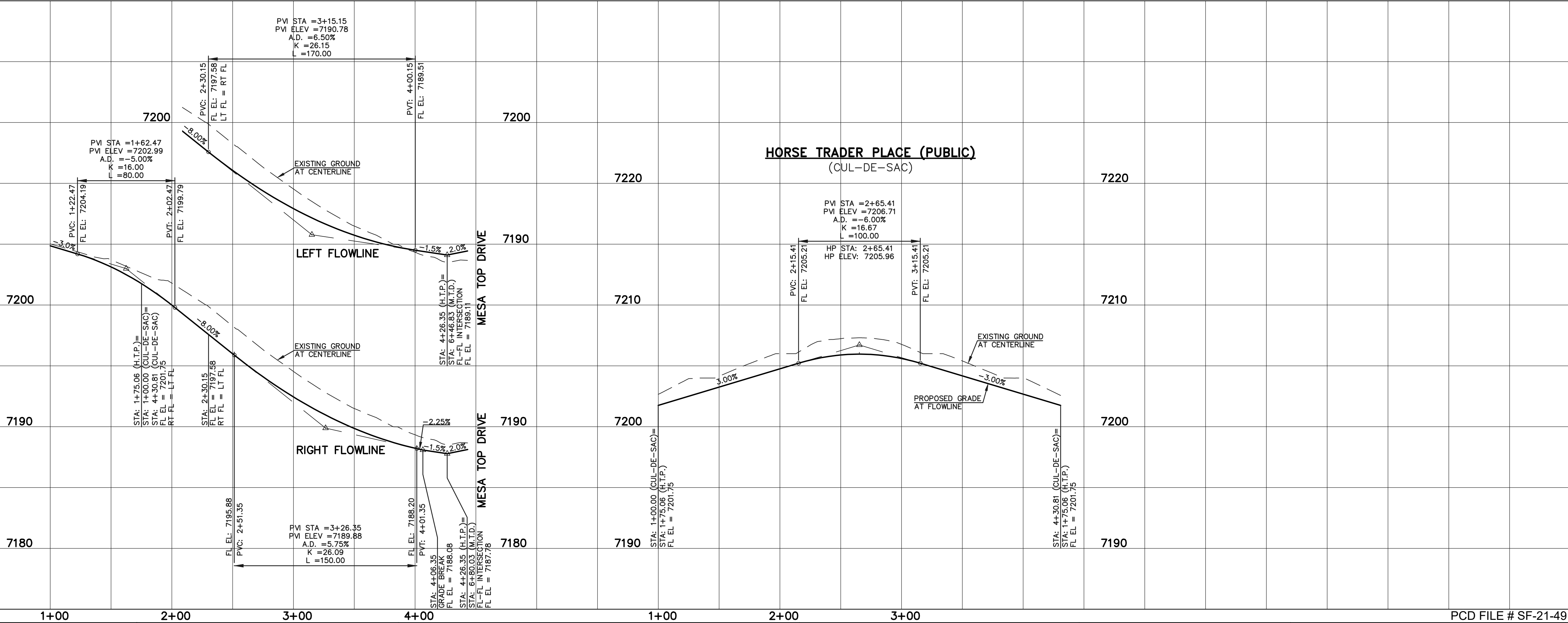
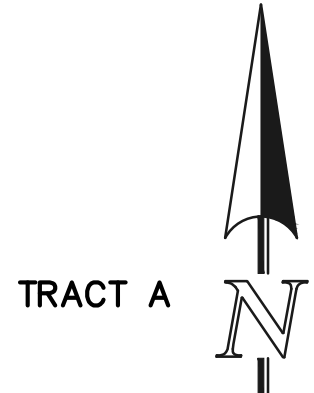
UNPLATTED FOREST SERVICE DEPT. OF AGRICULTURE UNITED STATES OF AMERICA

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

5025050100

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,
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

03/31/22
DATE

CLASSIC
CONSULTINGSM

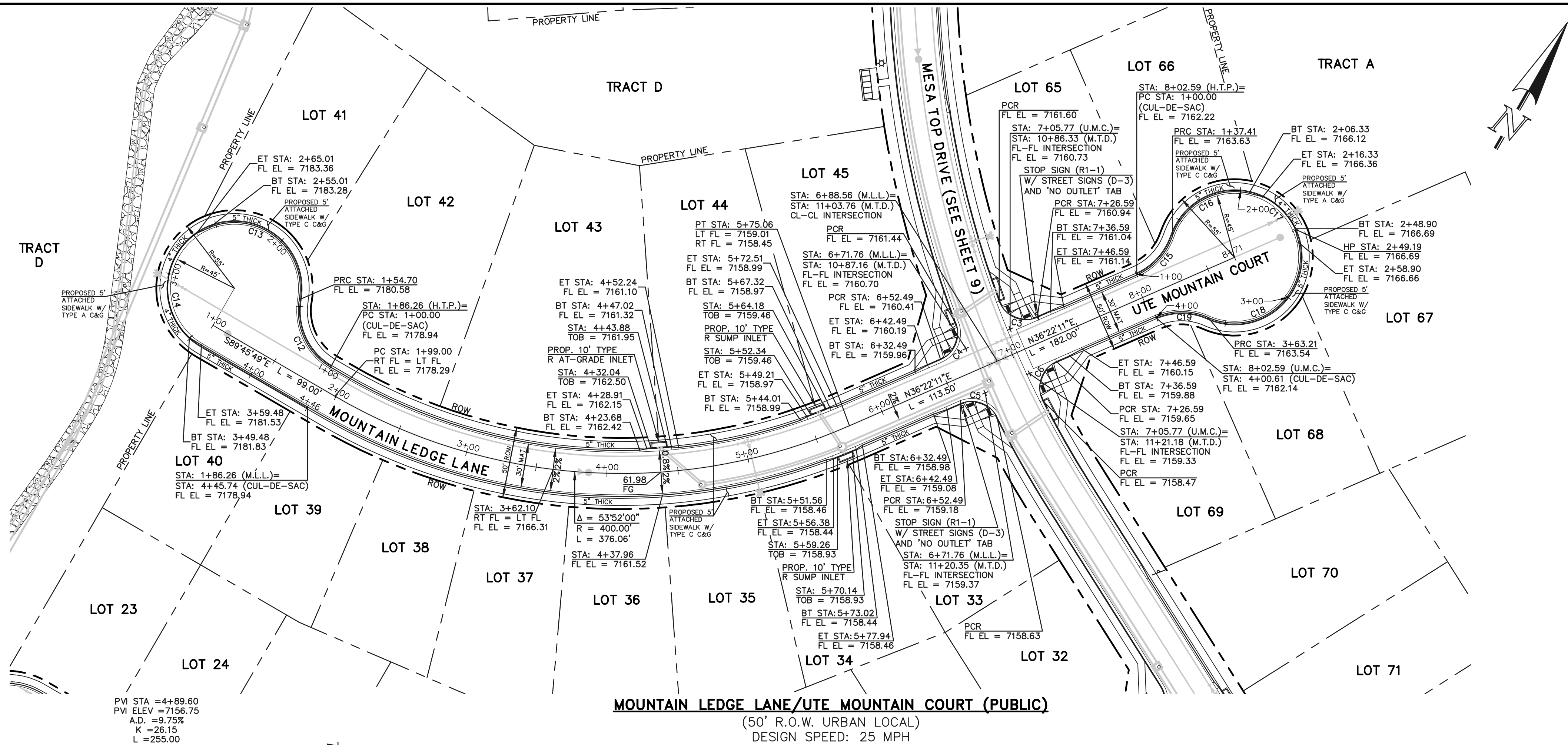
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

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

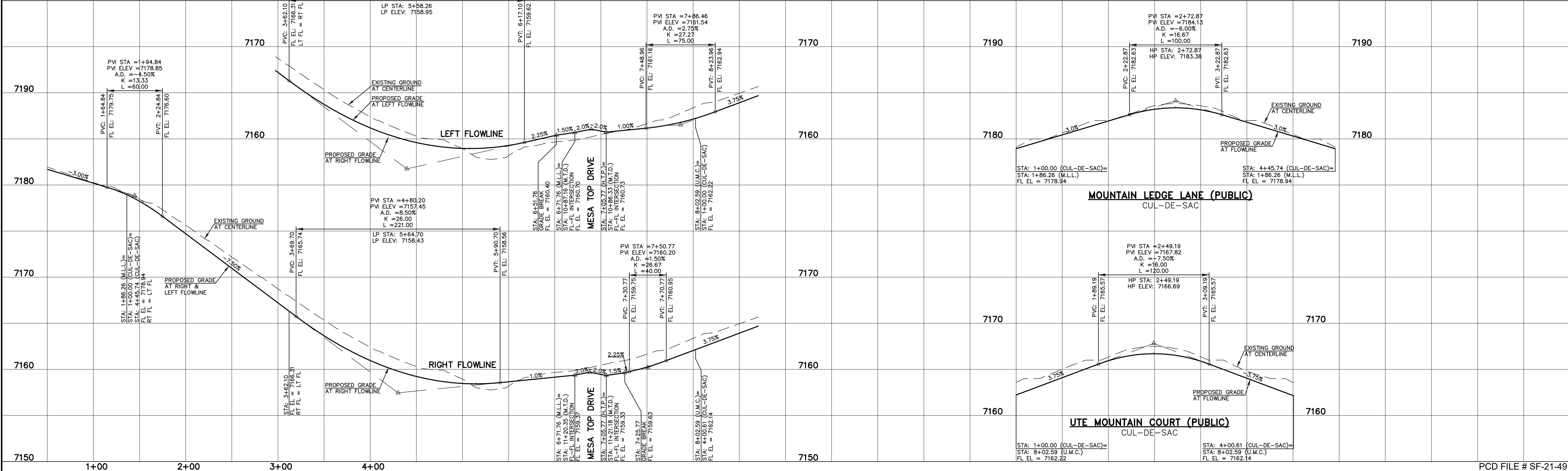
FOREST LAKES FILING NO. 7 PUBLIC STREET IMPROVEMENT PLAN HORSE TRADER PLACE			
EPC 5/12/2022			
DESIGNED BY	MAL	SCALE	DATE 05/21/21
DRAWN BY	MES	(H) 1"= 50'	SHEET 11 OF 31
CHECKED BY		(V) 1"= 5'	JOB NO. 1175.70



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"	



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
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.

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

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

PUBLIC STREET IMPROVEMENT PLAN

MOUNTAIN LEDGE LANE/UTE MOUNTAIN COURT

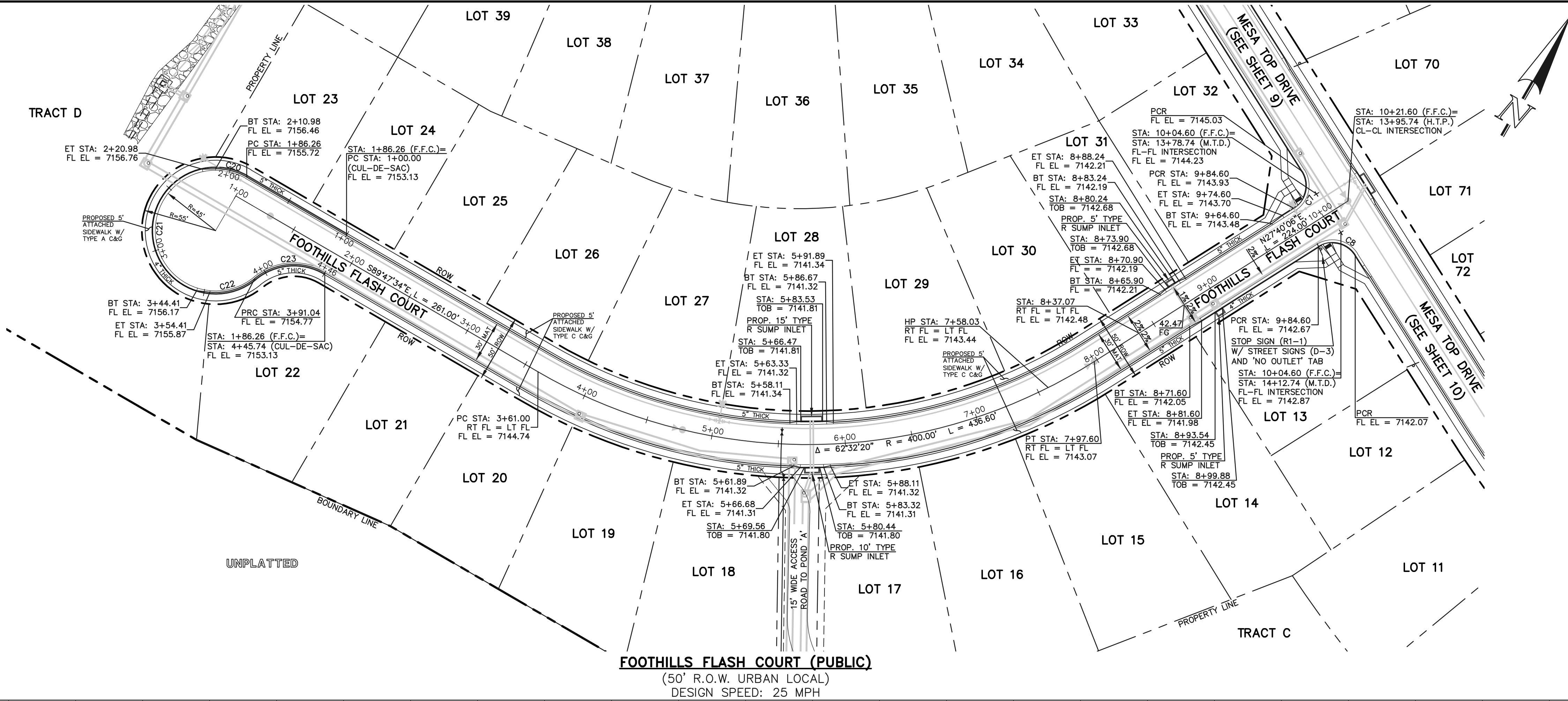
EPC 5/12/2022

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

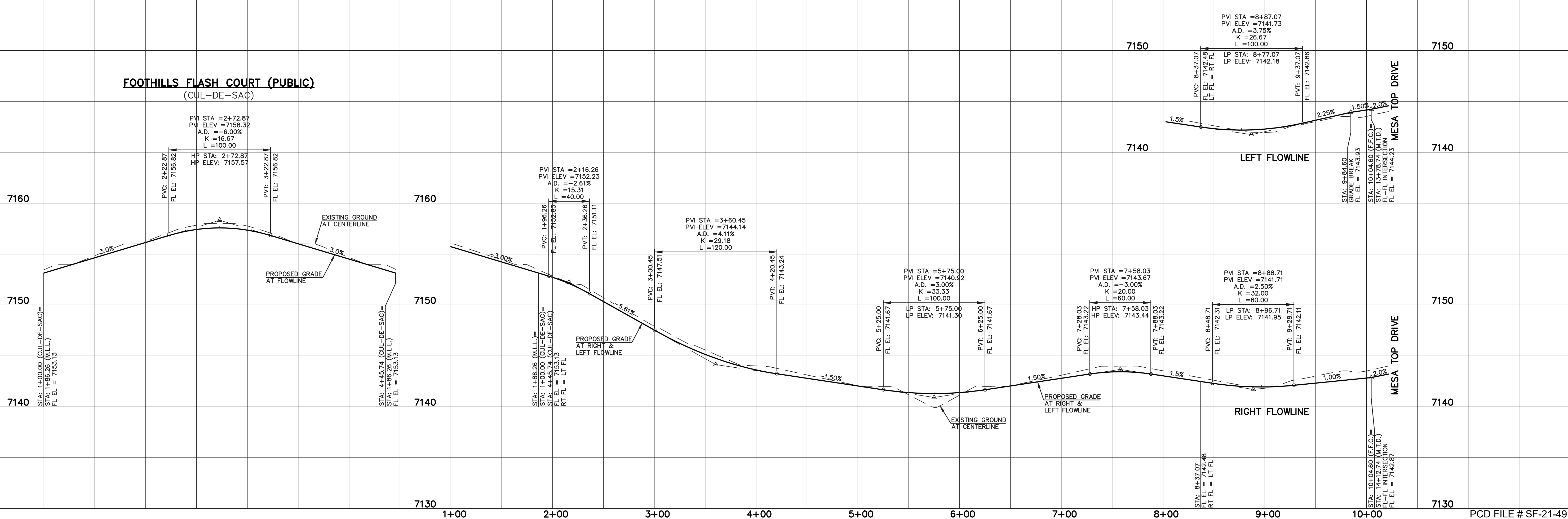
N:\17570\DRAWINGS\CONSTRUCTION\STREETS\13-17570-SJ-06.dwg, 3/31/2022 12:26:01 PM, 1:1

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
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,
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.

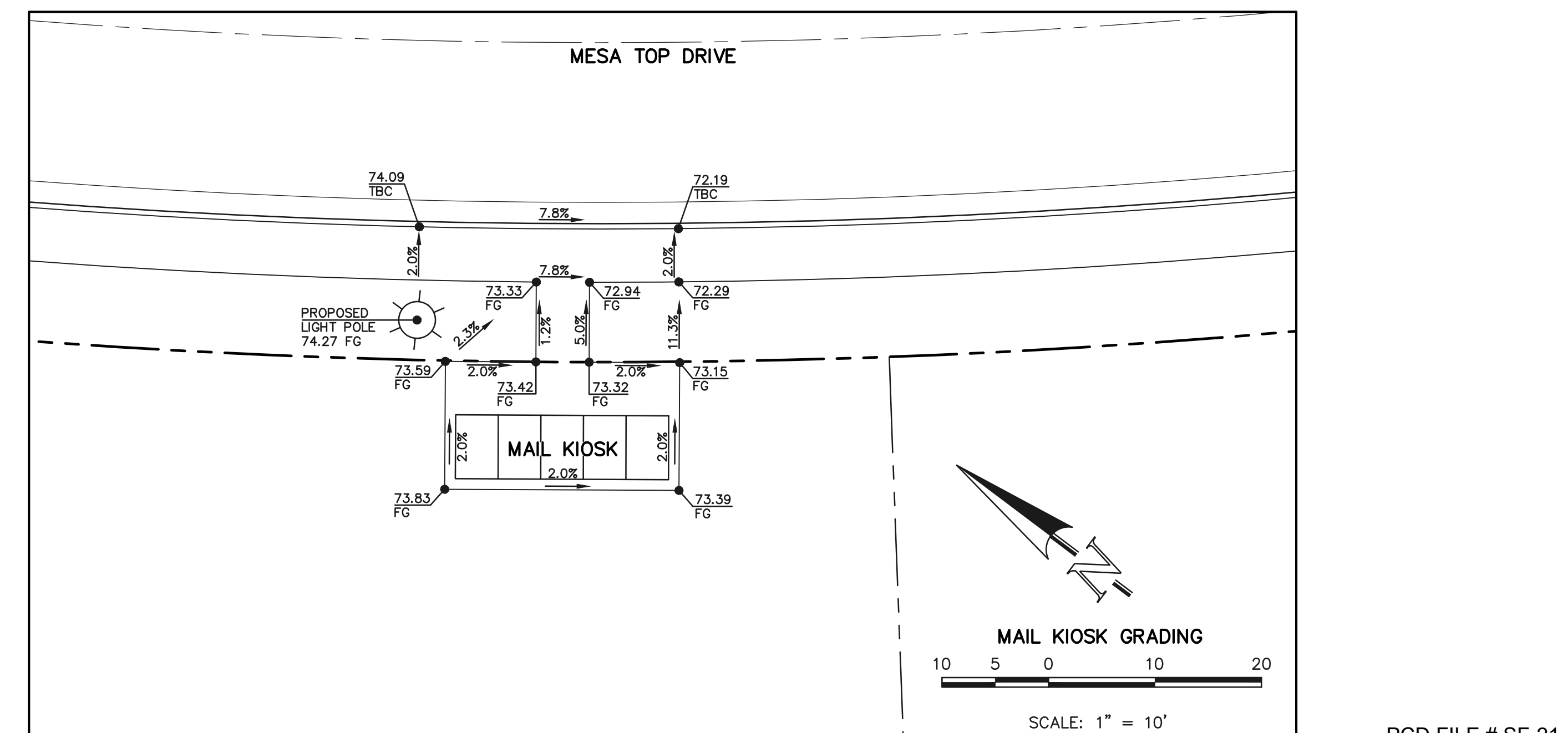
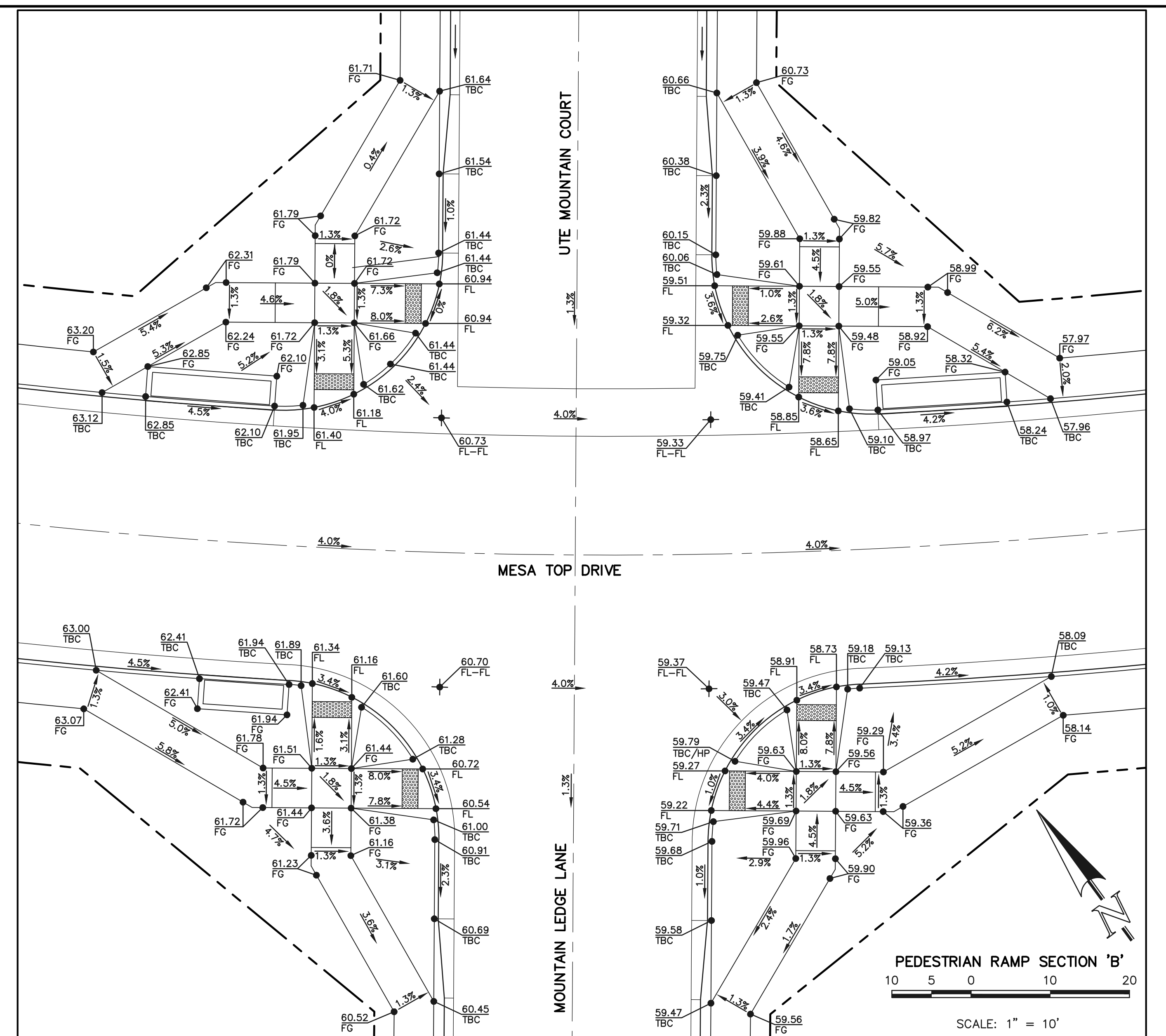
NO.	REVISION	DATE

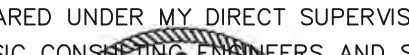


REVIEW:
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, P.E. #29794
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
EPC 5/12/2022
DESIGNED BY: MAL SCALE: (H) 1"= 50' DATE: 05/21/21
DRAWN BY: MES SHEET 13 OF 31
CHECKED BY: (V) 1"= 5' JOB NO.: 1175.70



<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	<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> <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>	<p>FOREST LAKES FILING NO. 7 PUBLIC STREET IMPROVEMENT PLAN</p> <p>PEDESTRIAN RAMP DESIGN</p> <p>EPC 5/12/2022</p>					
						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		



American Revolution LED Series 247L

PRODUCT OVERVIEW



Applications:

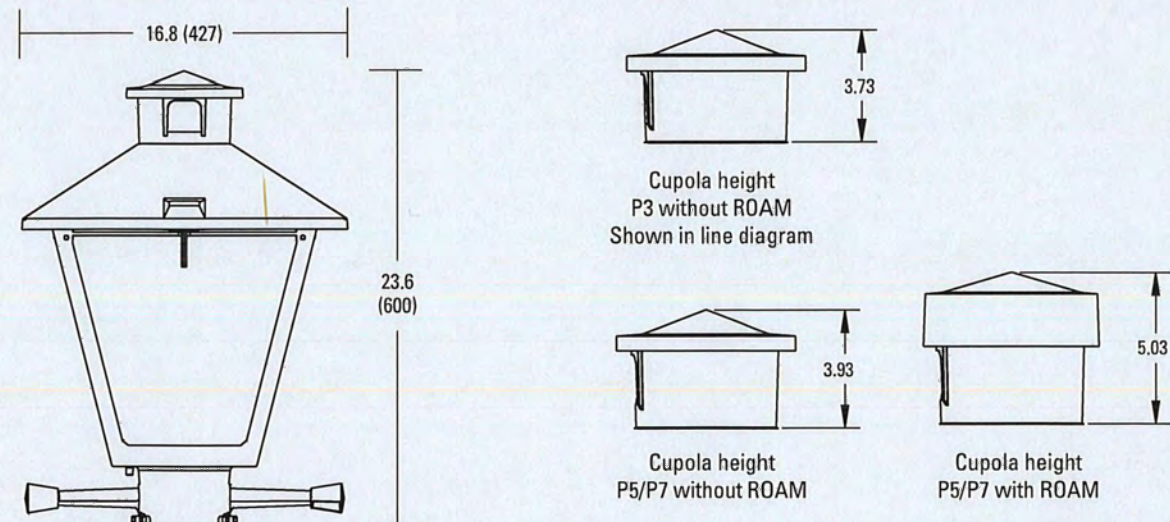
Streetscapes
Walkways
Pathways
Parks

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

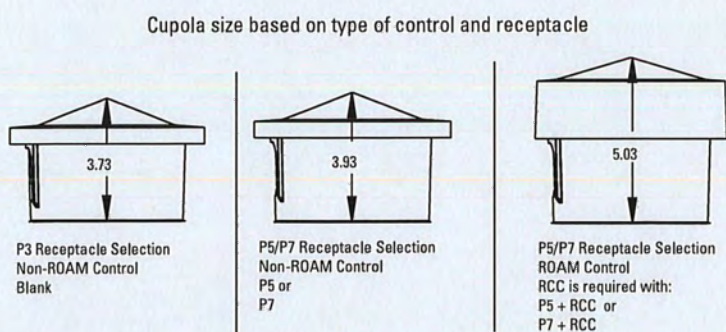
ORDERING INFORMATION

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) NR 2 No Photocontrol Receptacle PS 3 5 pin NEMA Photocontrol Receptacle (dimmable driver included) P7 3 7 pin NEMA Photocontrol Receptacle (dimmable driver included) PCLL 4 Solid State Long Life Photocontrol PCSS 4 Not CSA Listed Solid State Long Life Photocontrol (120-277V)

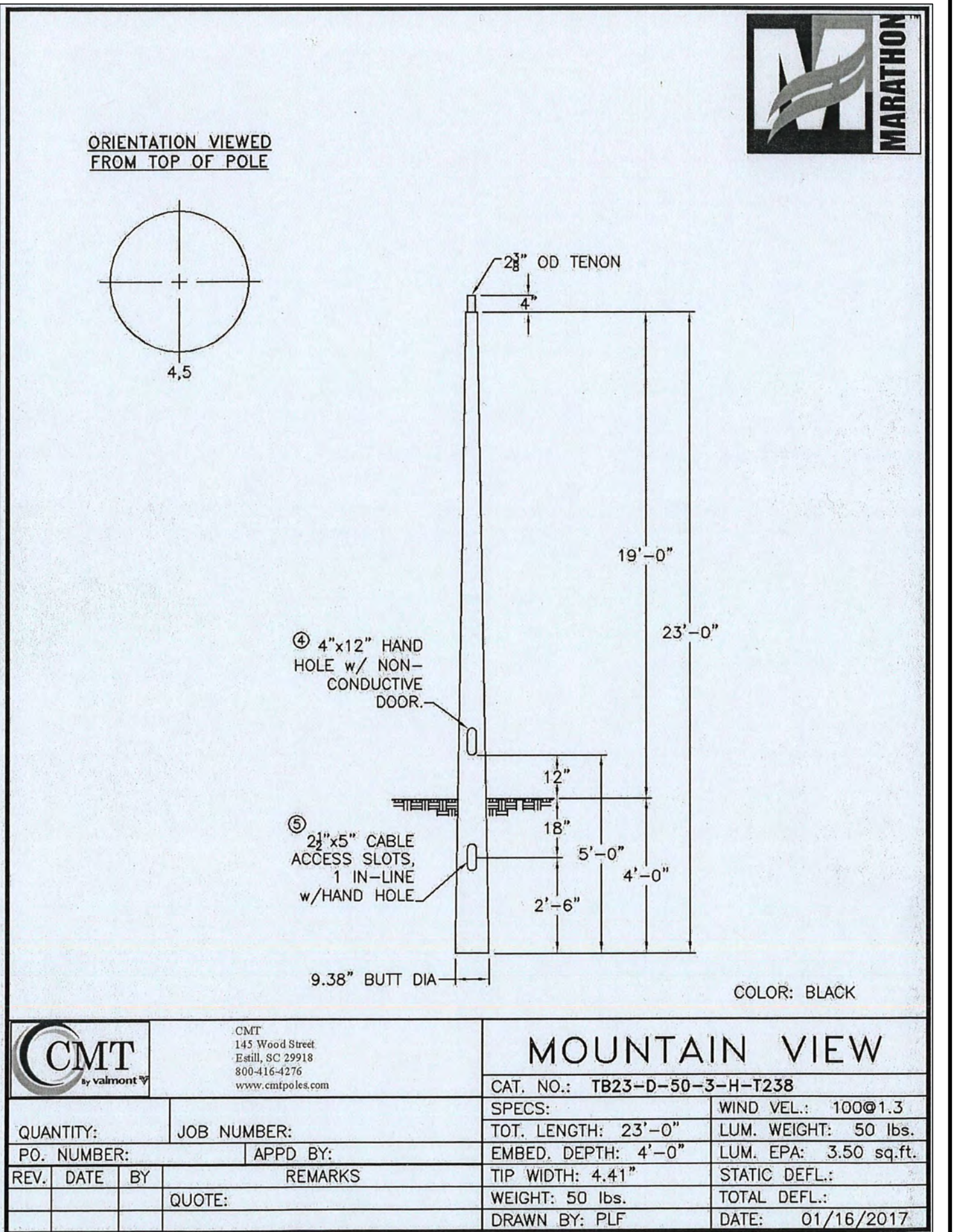
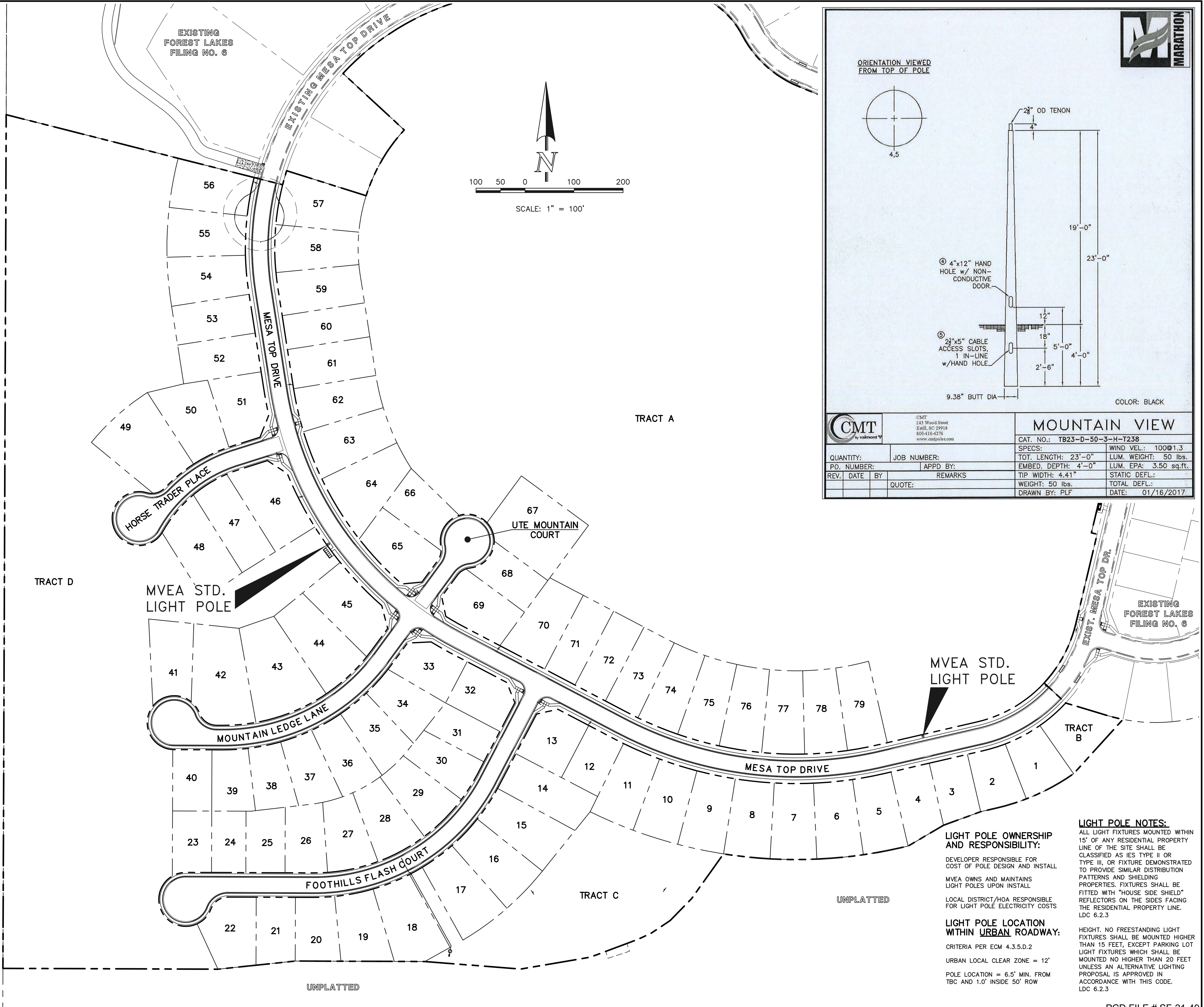
- Notes:
- Other colors available, please contact factory
 - PC and SH not available with NR option
 - Taller cupola cover (RCC) is required when used with ROAM or other similar wireless monitoring control systems
 - Standard failure mode: "Fail On"
 - Photocontrols supplied with ANSI Standard Turn-On 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
© 2017 Acuity Brands Lighting, Inc. All Rights Reserved. 5728/17

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



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

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

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

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

50 25 0 50 100

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

STORM LINE TABLE

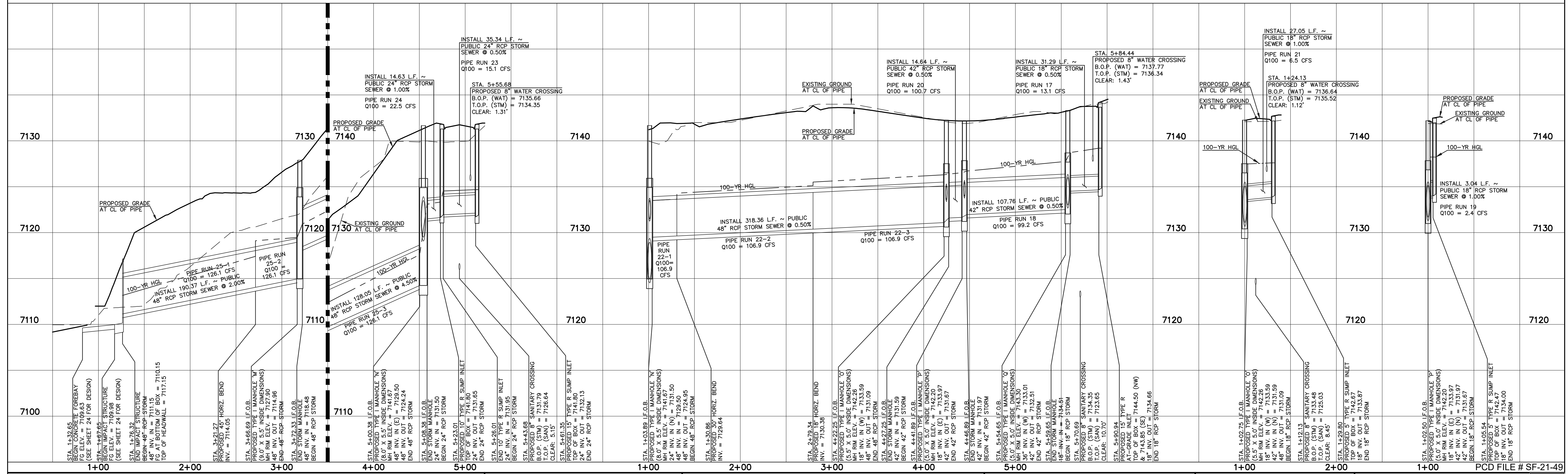
Line #	Length	Direction
L1	144.95	S70°51'03"W
L2	45.42	N74°08'57"W
L3	128.05	N29°08'57"W
L4	14.63	N11°41'04"W
L5	35.34	N30°26'46"W
L6	26.97	S15°51'03"W
L7	148.48	S45°51'03"W
L8	142.90	S27°40'06"W
L9	14.64	S27°40'06"W
L10	107.76	S27°40'06"W
L11	31.29	N01°35'11"W
L12	27.05	N62°19'54"W
L13	3.04	N62°19'54"W

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

811
48 HOURS BEFORE YOU DIG,
CALL UTILITY LOCATORS
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 THAT 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

03/31/22

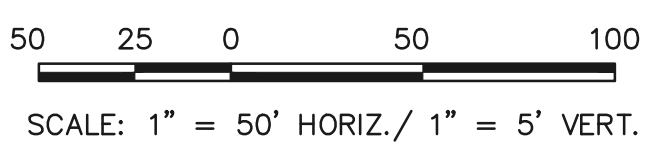
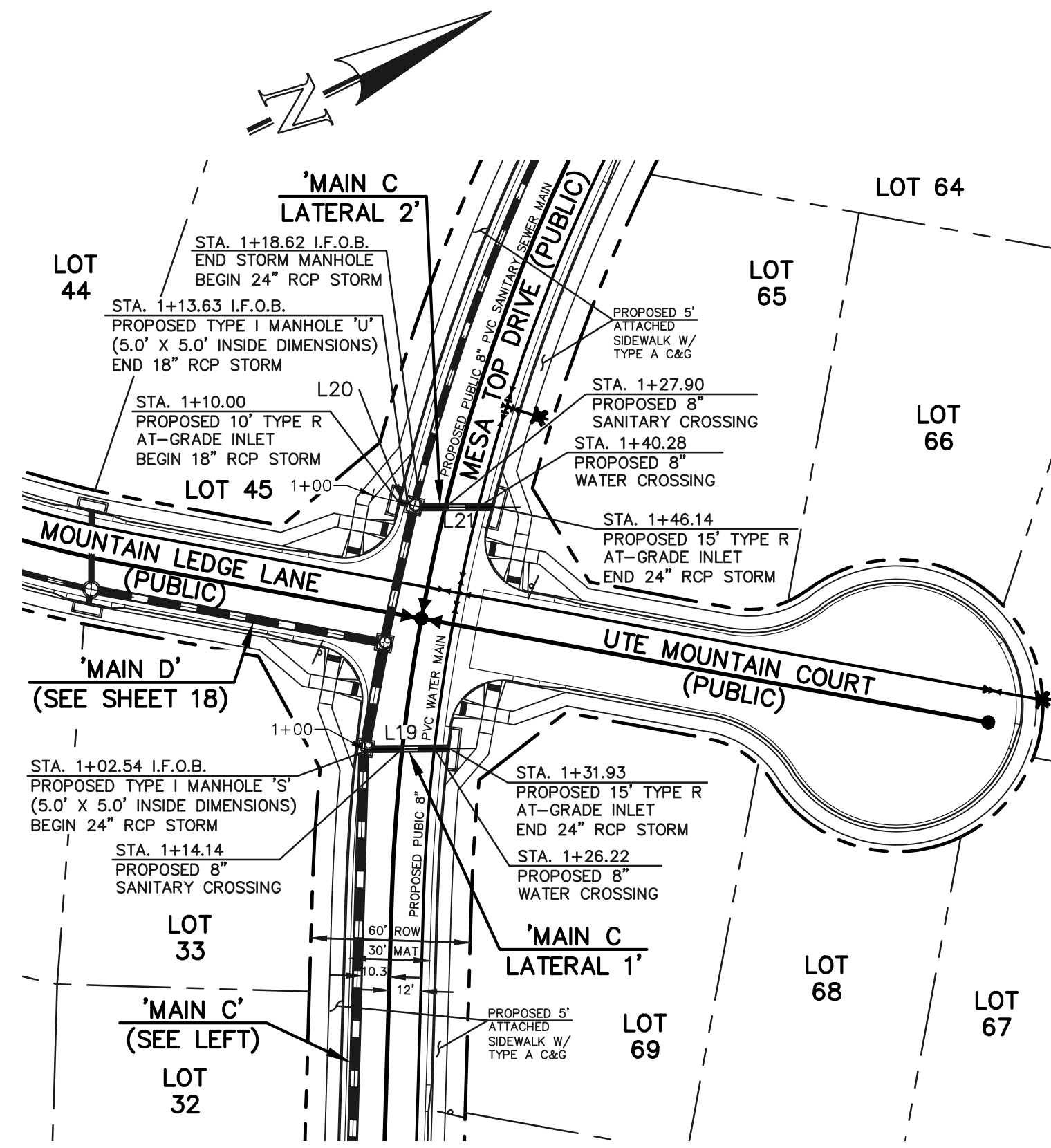
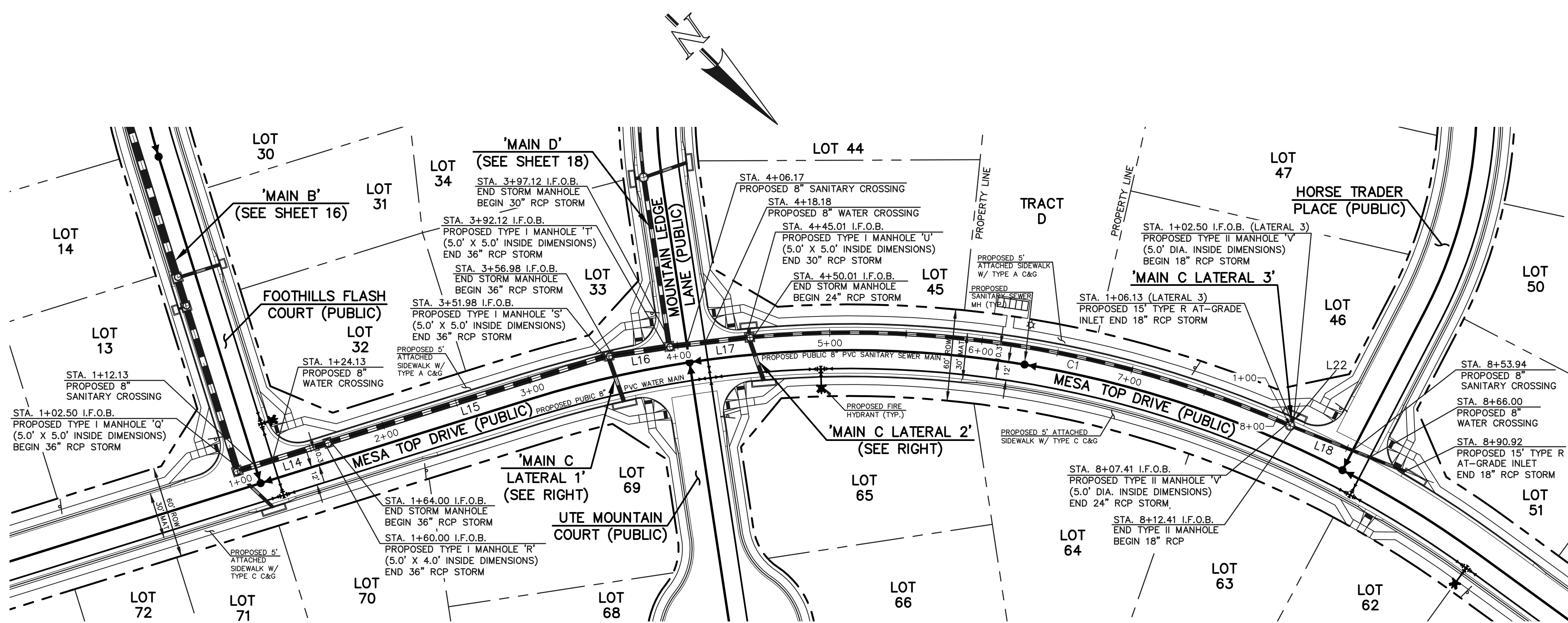
CLASSIC CONSULTING

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 A' / 'MAIN B' / 'MAIN B LATERALS 1-2'
EPC 5/12/2022

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.

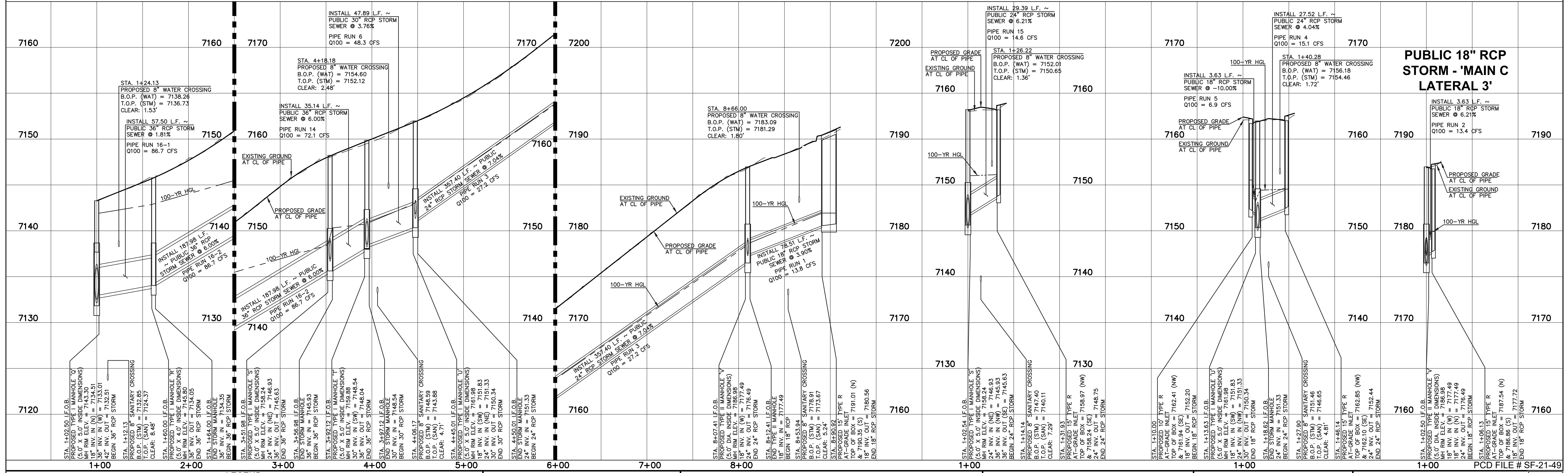
ALL STORM SEWER WITH 100-YR HGL ABOVE THE TOP OF PIPE SHALL BE INSTALLED WITH PRESSURE PIPE AND WATERTIGHT JOINTS WITH A 100-YEAR SERVICE LIFE.

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'



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:

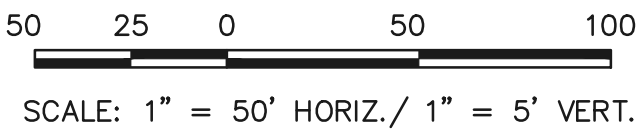
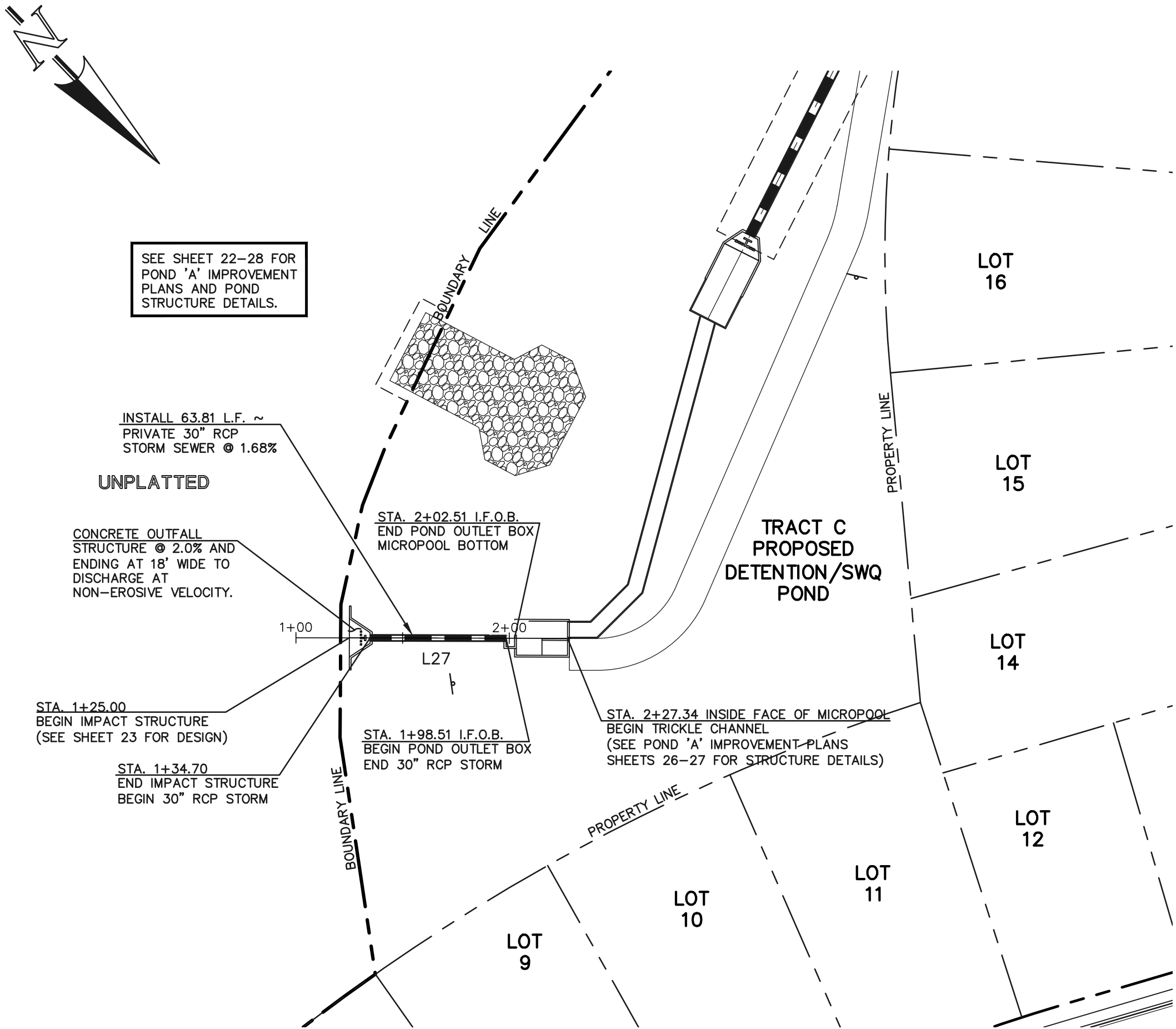
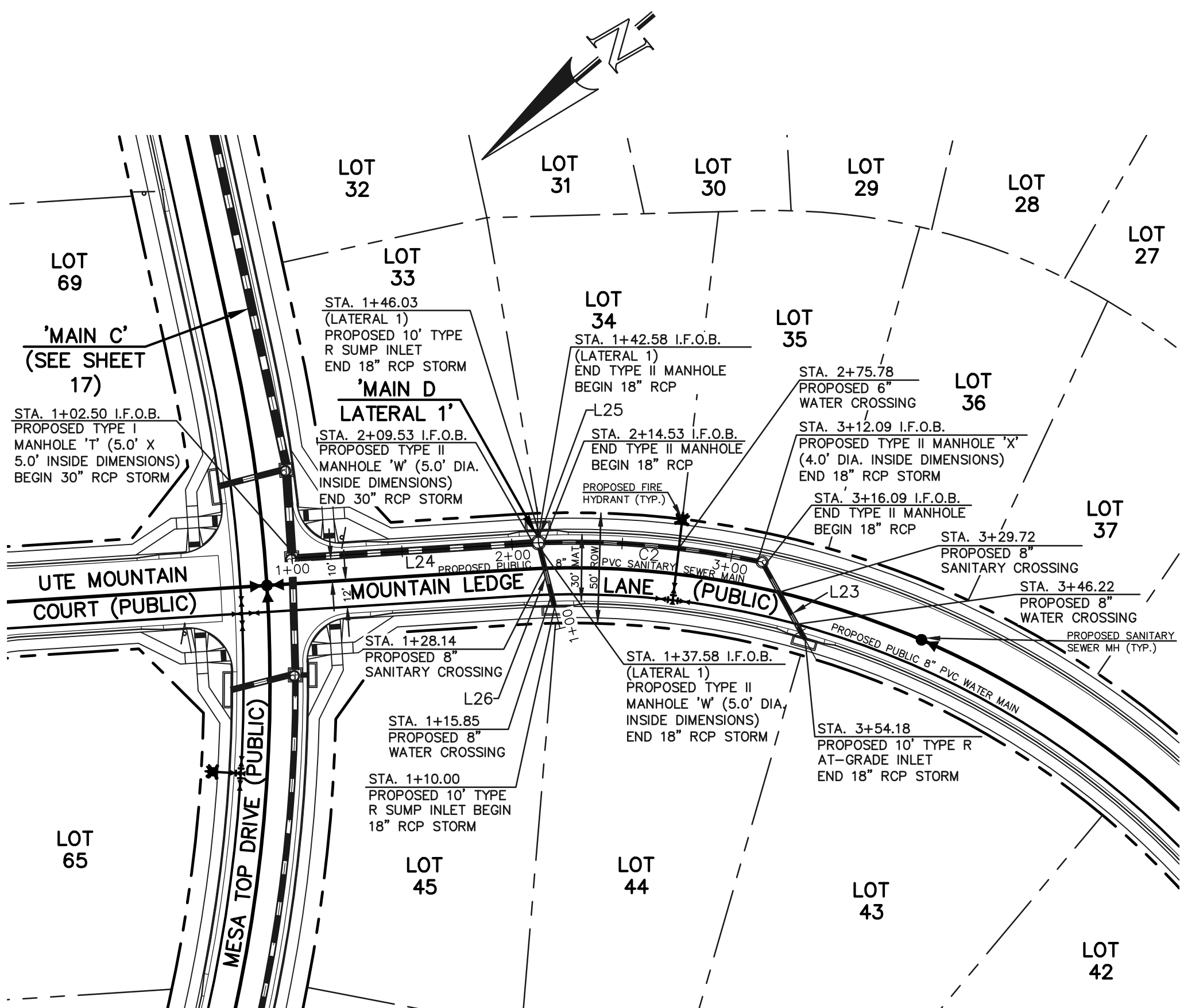
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

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

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	ME'S	(V) 1" = 5'		SHEET	17 OF 31
CHECKED BY				JOB NO.	1175.70



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.

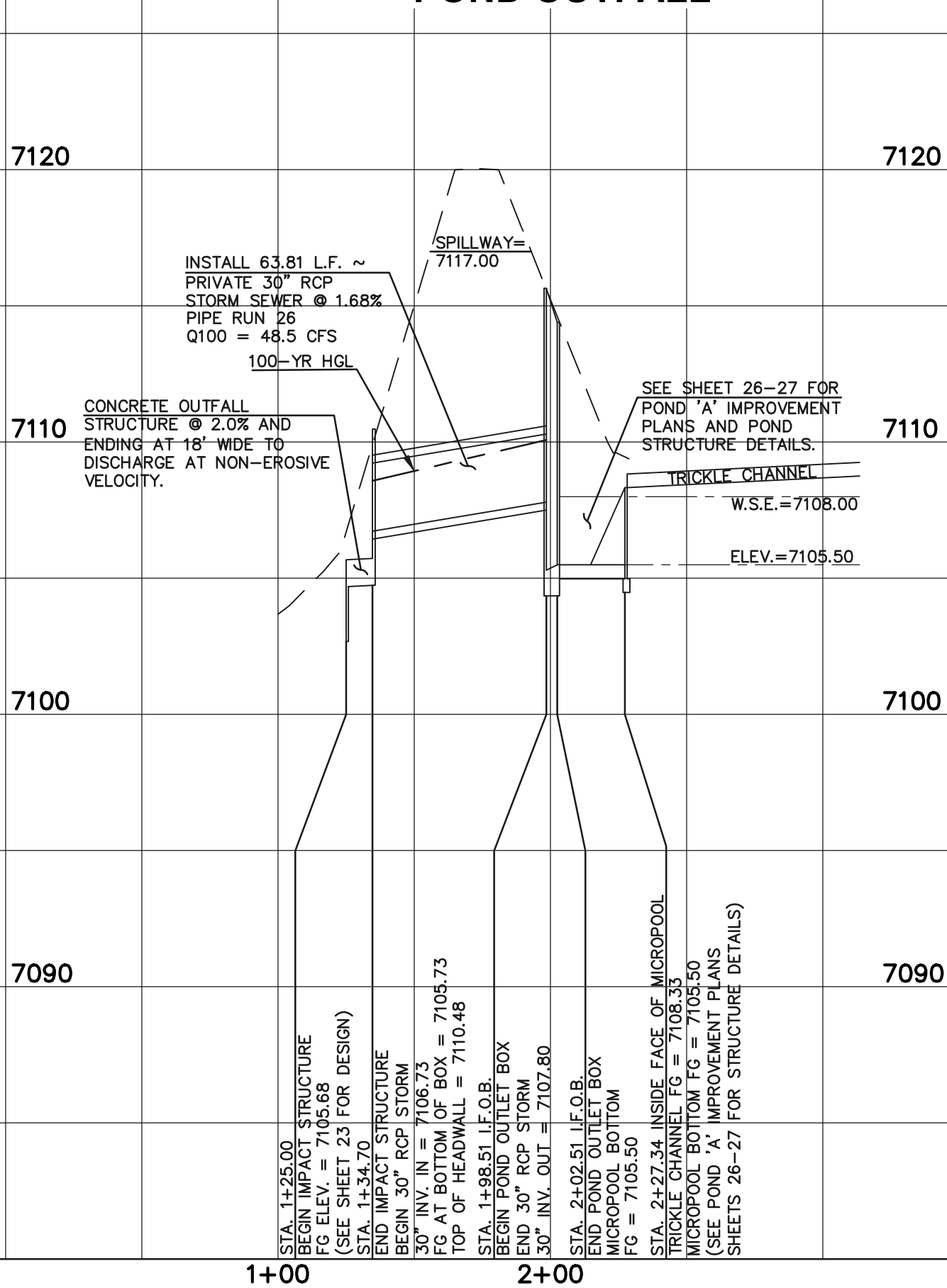
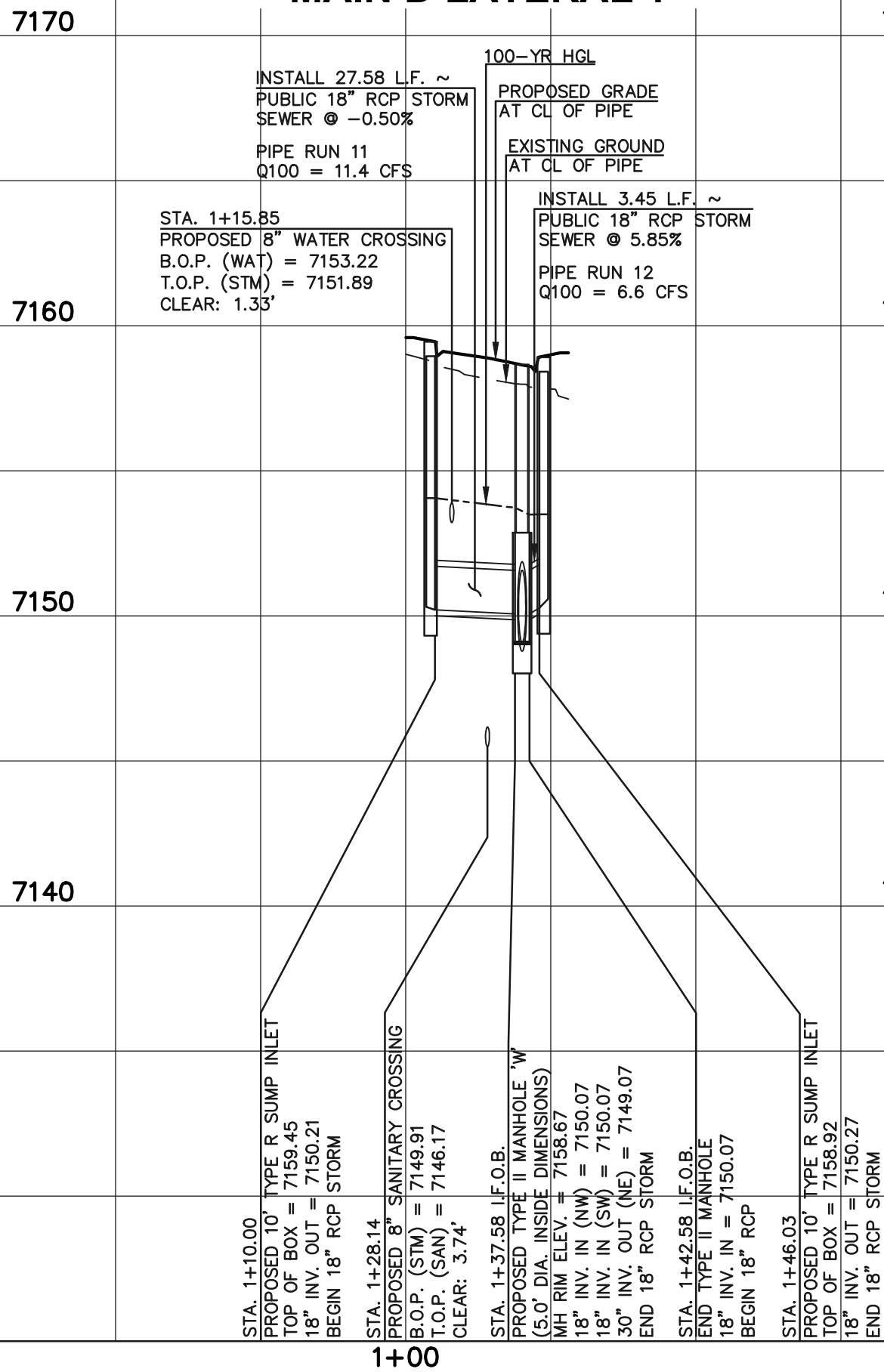
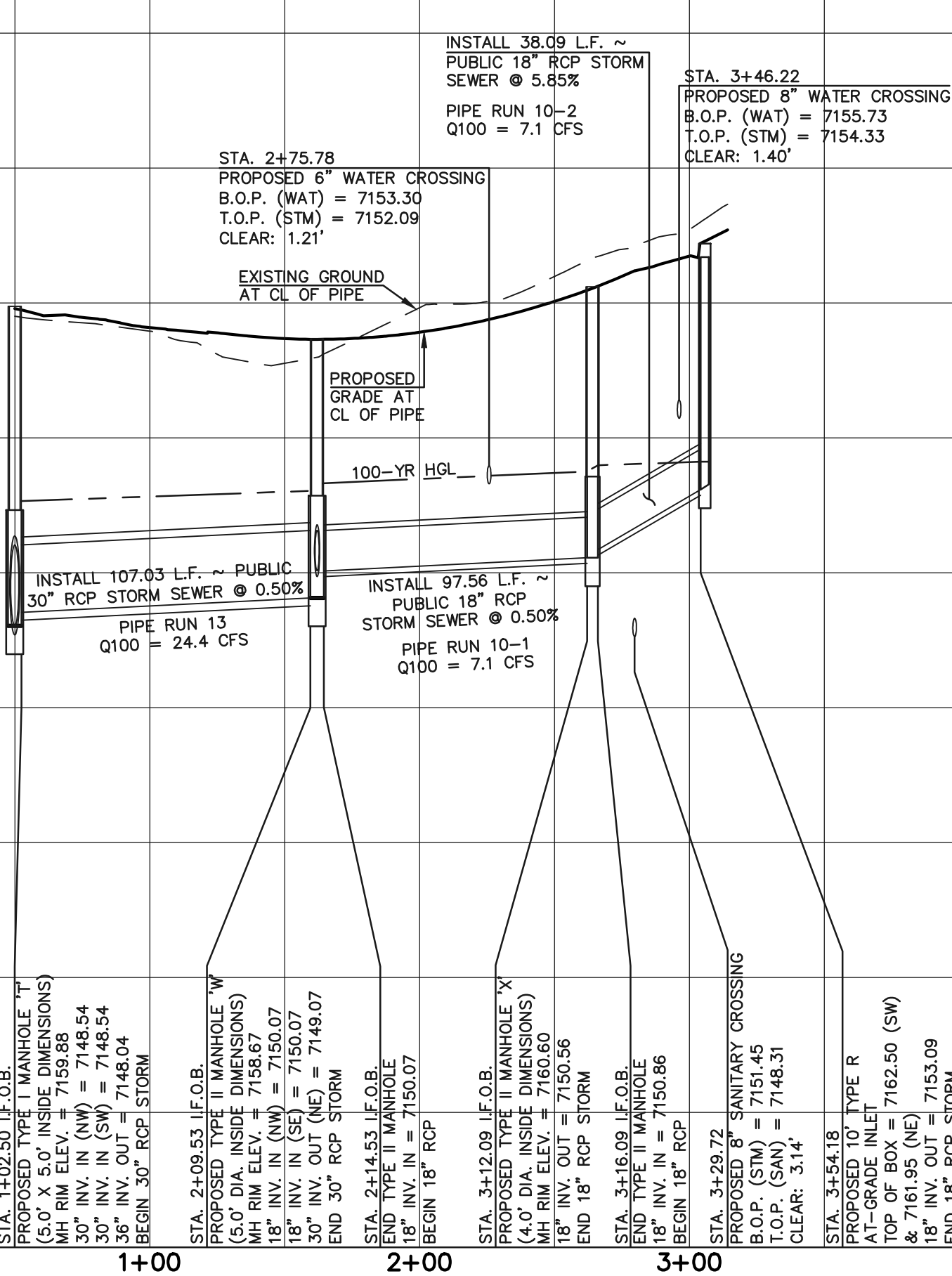
ALL STORM SEWER PIPES TO BE CLASS 3.

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

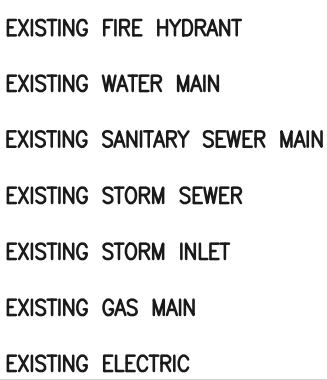
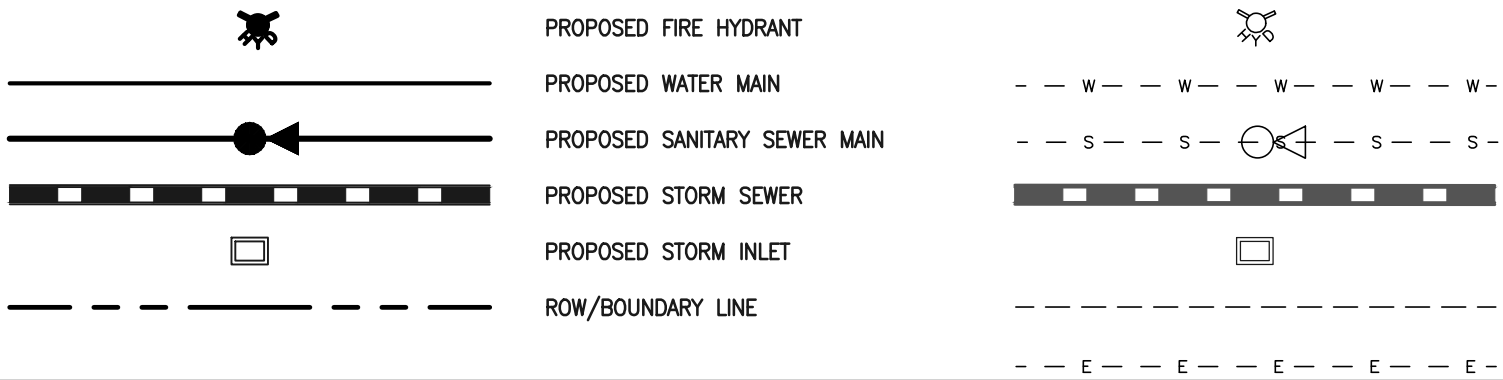
PUBLIC 30"/18" RCP STORM - 'MAIN D'

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

PRIVATE 30" RCP STORM - 'POND OUTFALL'



LEGEND



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



03/31/22

DATE



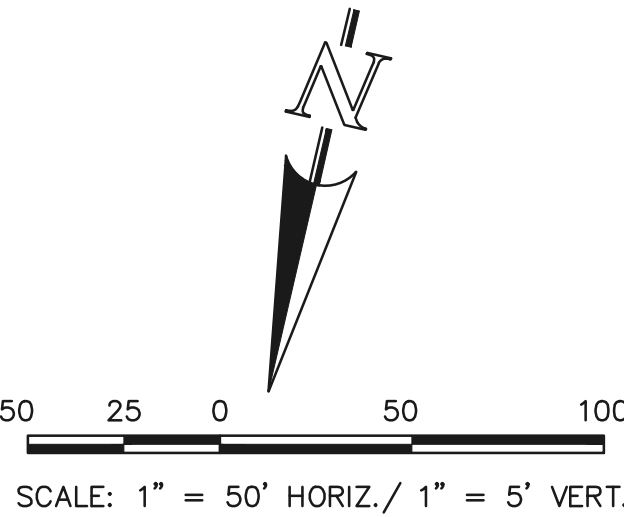
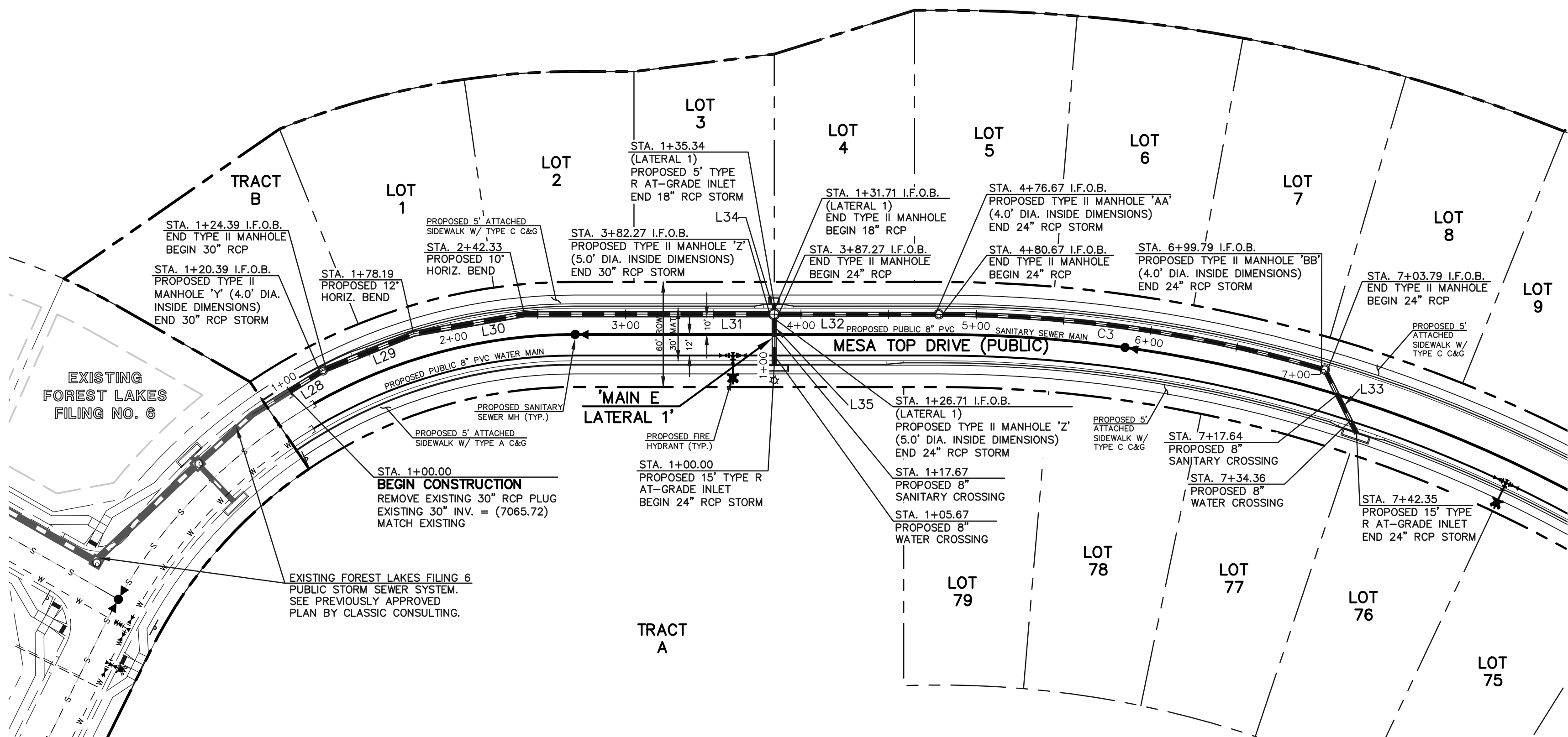
FOREST LAKES FILING NO. 7
CONSTRUCTION PLANS

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	



PCD FILE # SF-21-49



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.

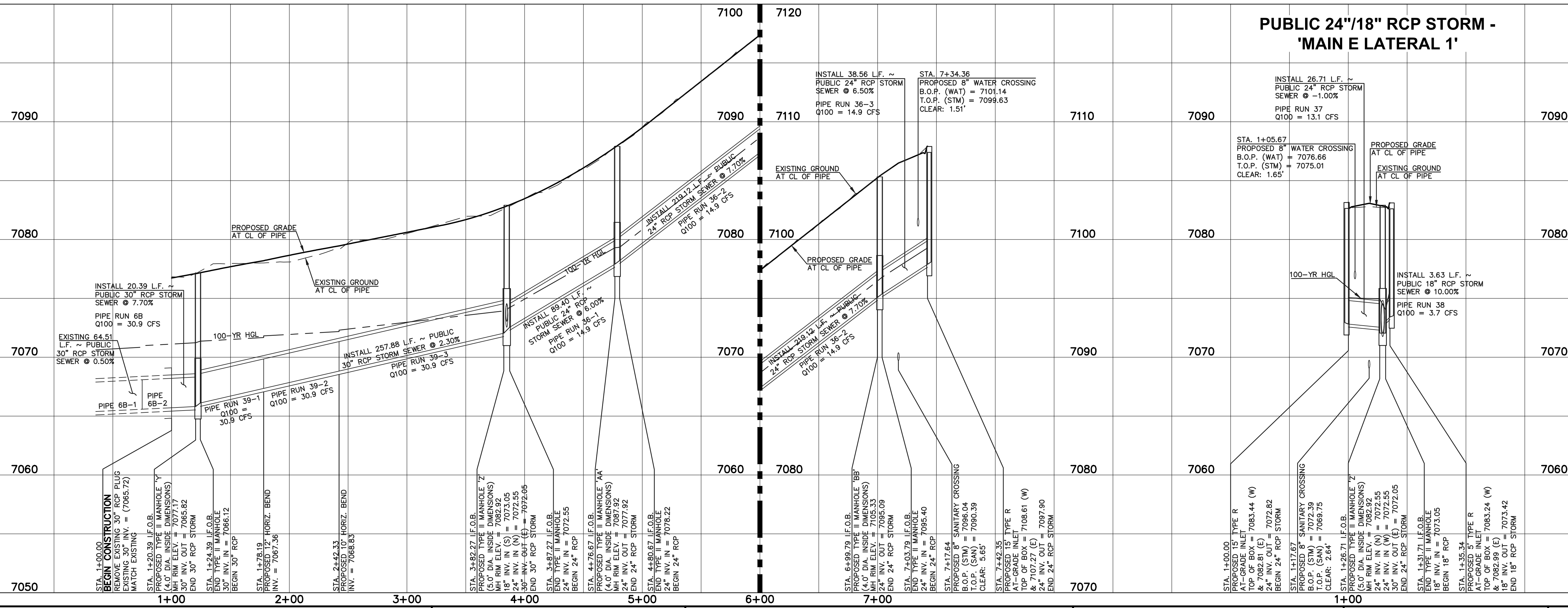
ALL STORM SEWER WITH 100-YR HGL ABOVE THE TOP OF PIPE SHALL BE INSTALLED WITH PRESSURE PIPE AND WATERTIGHT JOINTS WITH A 100-YEAR SERVICE LIFE.

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

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

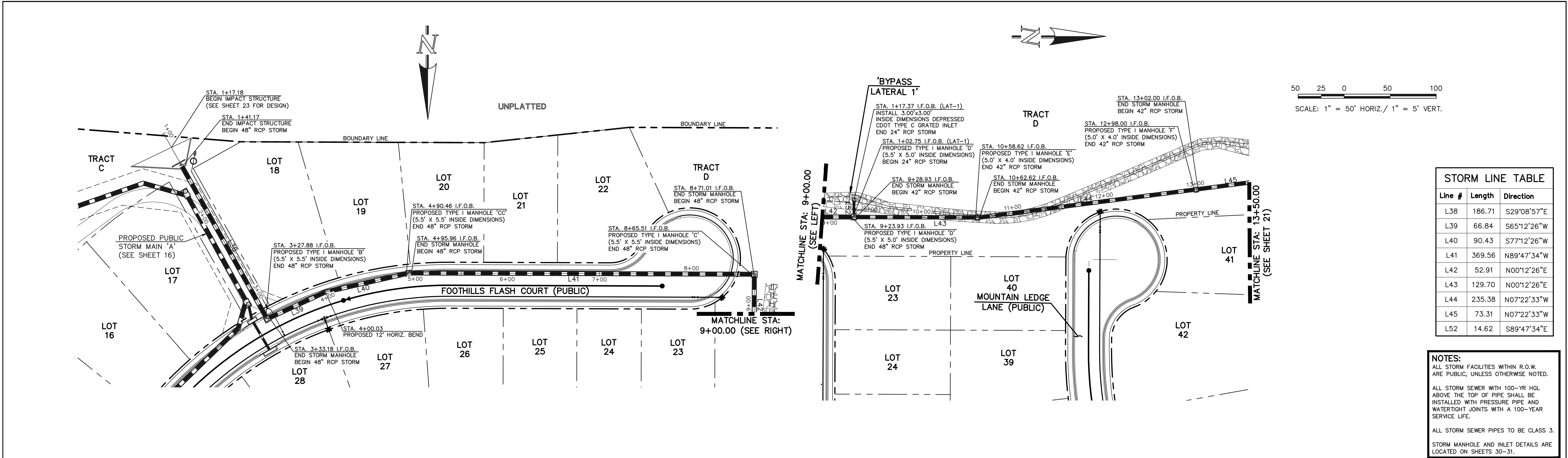
KYLE R. CAMPBELL, P.E. #29794
DATE 03/31/22

CLASSIC CONSULTING

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

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

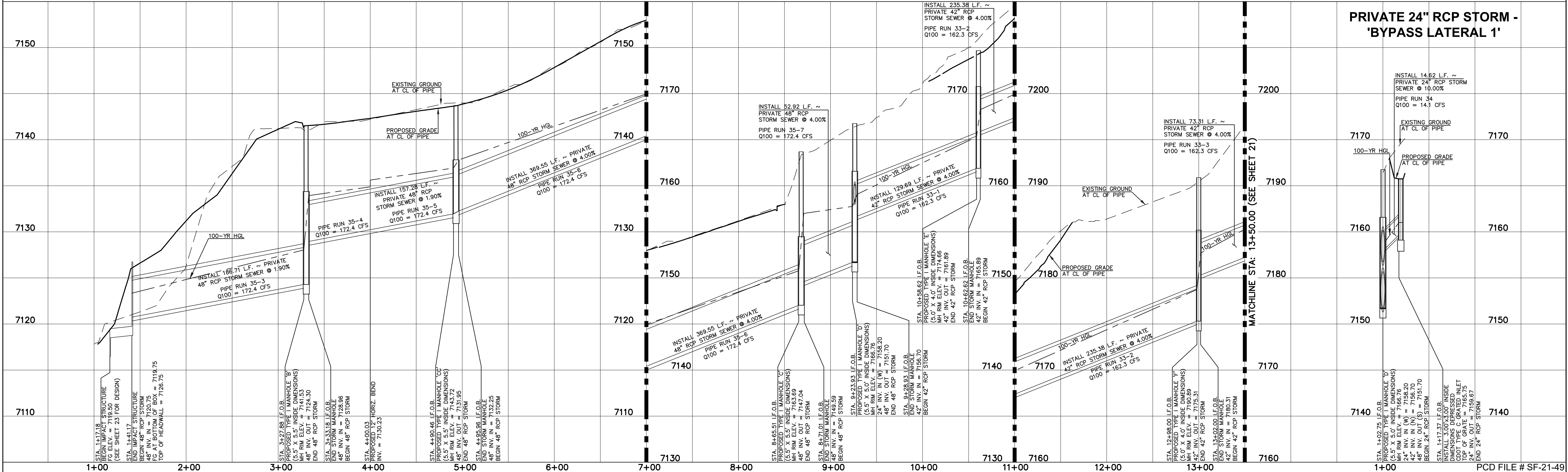
FOREST LAKES FILING NO. 7 CONSTRUCTION PLANS PUBLIC STORM SEWER PLAN 'MAIN E' / 'MAIN E LATERAL 1' EPC 5/12/2022			
DESIGNED BY	MAL	SCALE	DATE 06/01/21
DRAWN BY	MES	(H) 1"= 50'	SHEET 19 OF 31
CHECKED BY		(V) 1"= 5'	JOB NO. 1175.70



STORM LINE TABLE		
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"W
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:
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 WATER-TIGHT 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.

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



PRIVATE 24" RCP STORM - 'BYPASS 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

811
48 HOURS BEFORE YOU DIG,
CALL UTILITY LOCATORS
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. CHAPMAN, P.E. #29794

03/31/22

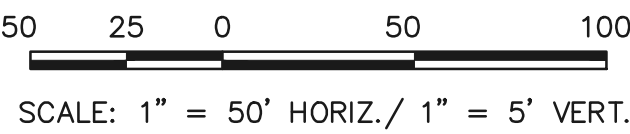
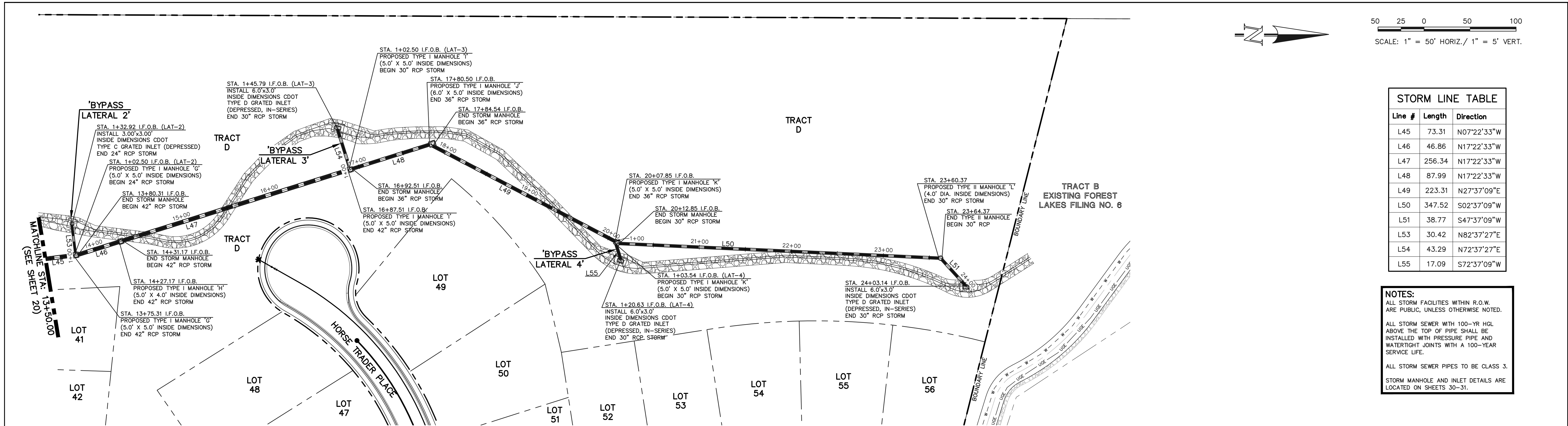
CLASSIC CONSULTING

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	ME'S	(H) 1" = 50'	SHEET	20 OF 31
CHECKED BY	(V) 1" = 5'	JOB NO.	1175.70	



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:
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.

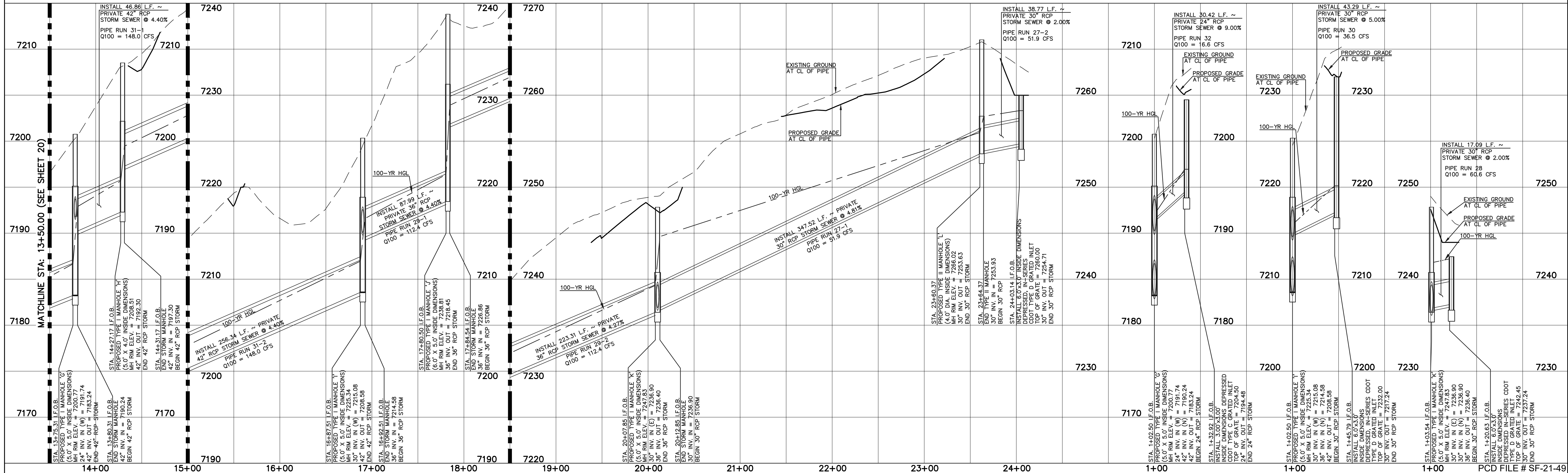
STORM MANHOLE AND INLET DETAILS ARE
LOCATED ON SHEETS 30-31.

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

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. C... P.E. #29794

03/31/22
DATE



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

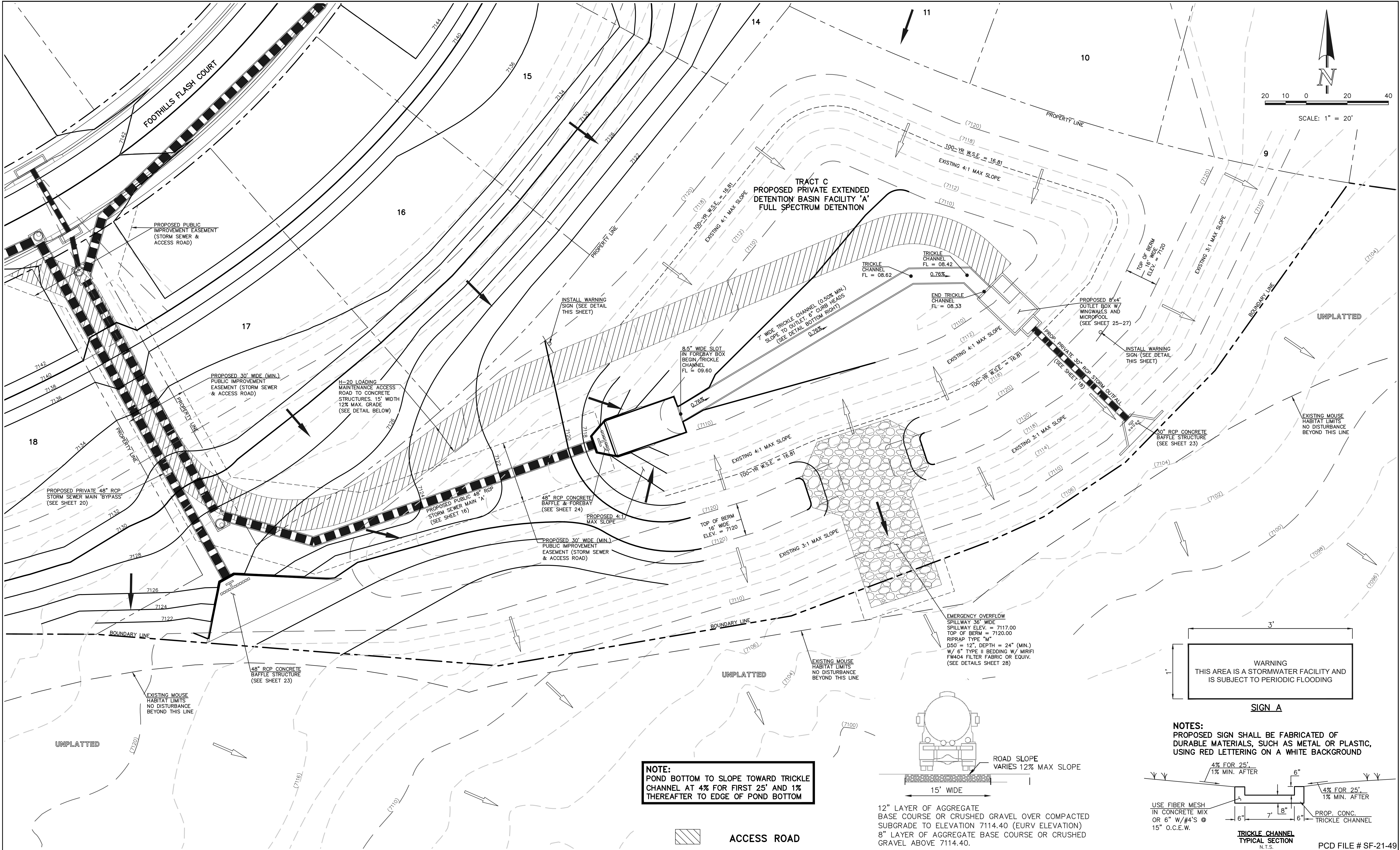
FOREST LAKES FILING NO. 7
CONSTRUCTION PLANS

EPC
5/12/2022

'BYPASS SYSTEM' STA. 13+50-END / 'BYPASS LATERALS 2-4'

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





LEGEND		48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS		NO. REVISION		DATE		REVIEW:		CLASSIC CONSULTING		FOREST LAKES FILING NO. 7 CONSTRUCTION PLANS	
	PROPOSED FIRE HYDRANT		EXISTING FIRE HYDRANT									DESIGNED BY	MAL
	PROPOSED WATER MAIN		EXISTING WATER MAIN									DRAWN BY	ME'S
	PROPOSED SANITARY SEWER MAIN		EXISTING SANITARY SEWER MAIN									CHECKED BY	(V)
	PROPOSED STORM SEWER		EXISTING STORM SEWER									SCALE	(H) 1" = 20'
	PROPOSED STORM INLET		EXISTING STORM INLET									DATE	11/23/21
	ROW/BOUNDARY LINE		EXISTING GAS MAIN									SHEET	22 OF 31
			EXISTING ELECTRIC									JOB NO.	1175.70

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

ACCESS ROAD

15' WIDE

ROAD SLOPE VARIES 12% MAX SLOPE

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.

EMERGENCY OVERFLOW SPILLWAY 36" WIDE SPILLWAY ELEV. = 7117.00 TOP OF BERM = 7120.00 RIPRAP TYPE "M" D50 = 12", DEPTH = 24" (MIN.) W/ 6" TYPE II BEDDING W/ MIRIFI FW404 FILTER FABRIC OR EQUIV. (SEE DETAILS SHEET 28)

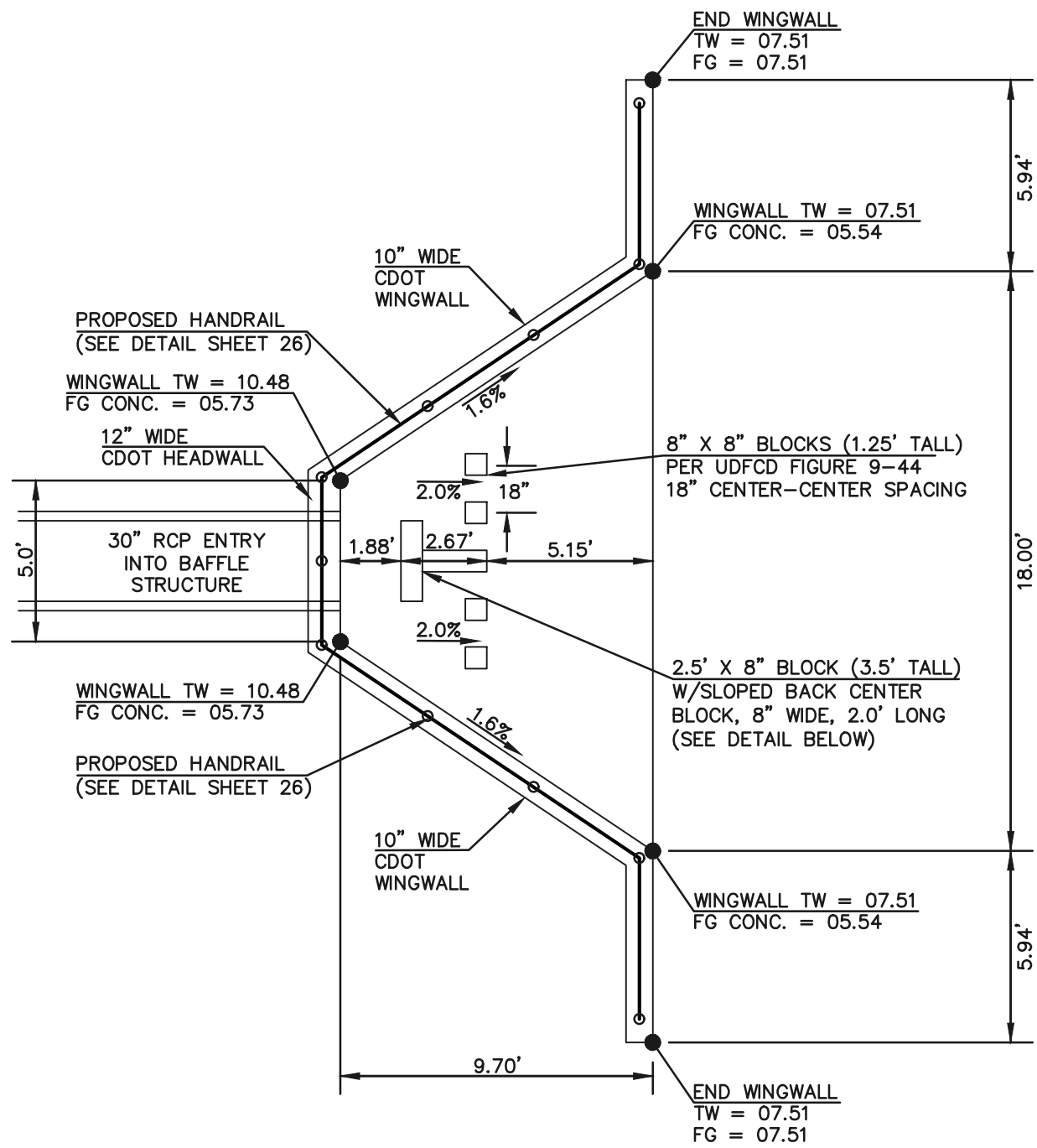
TRICKLE CHANNEL TYPICAL SECTION N.T.S.

PCD FILE # SF-21-49

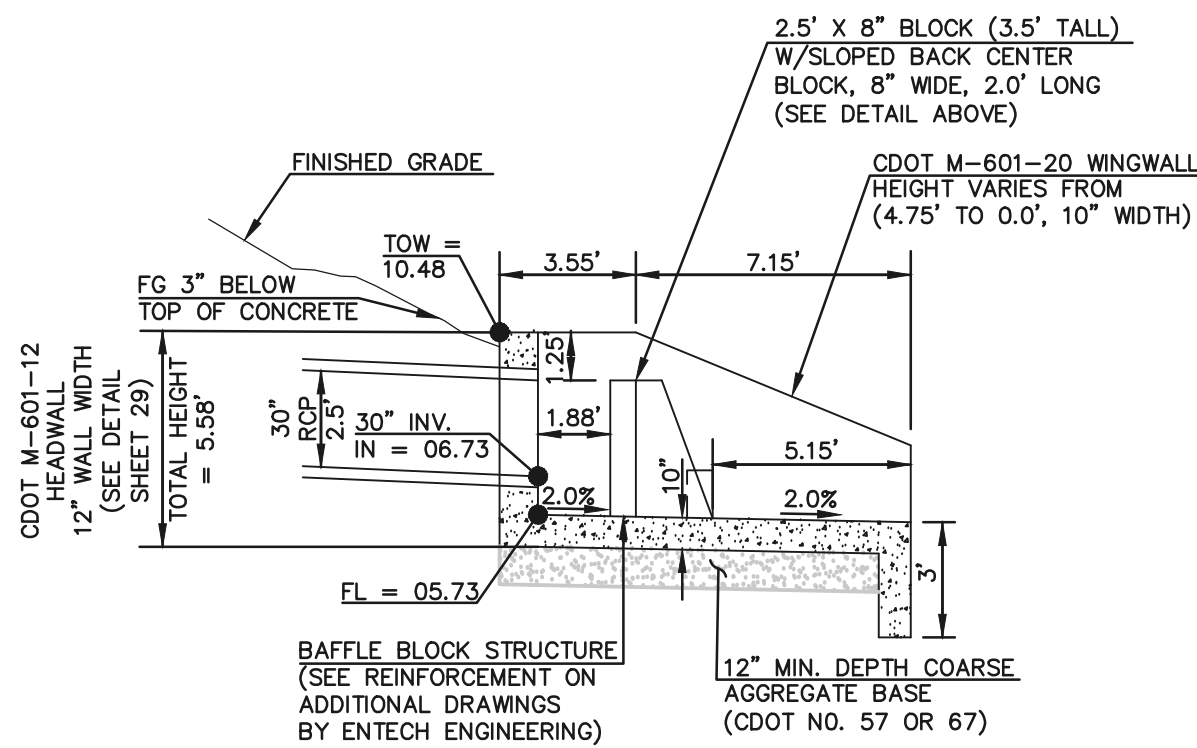
CLASSIC CONSULTING

FOREST LAKES FILING NO. 7 CONSTRUCTION PLANS PRIVATE POND "A" EPC 5/12/2022 EDB - FULL SPECTRUM DETENTION

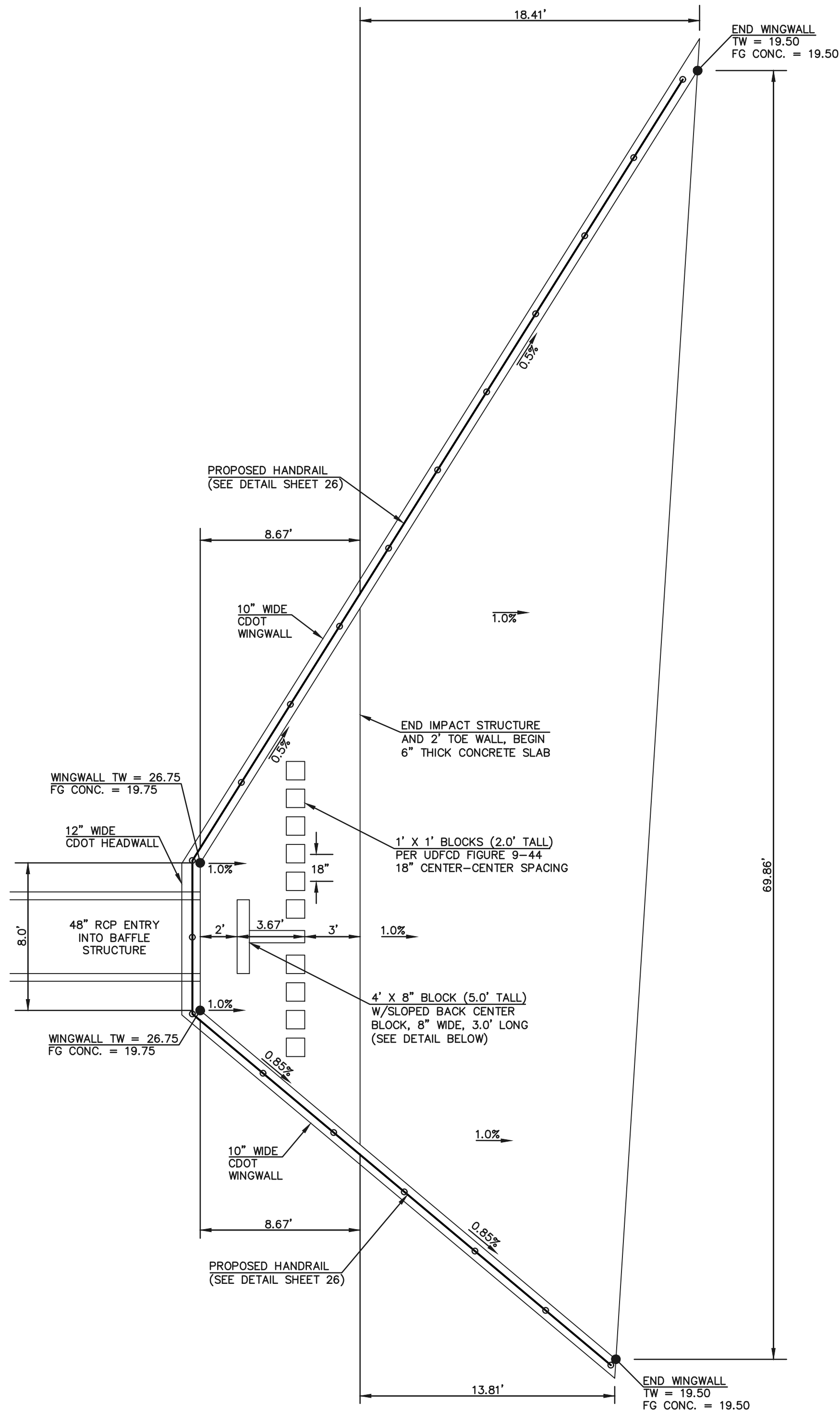
N:\17570-DRAWINGS\CONSTRUCTION\STORM\23-117570-57M-09-30m-48m-baffle.dwg, 3/31/2022 12:34:47 PM, 1:1



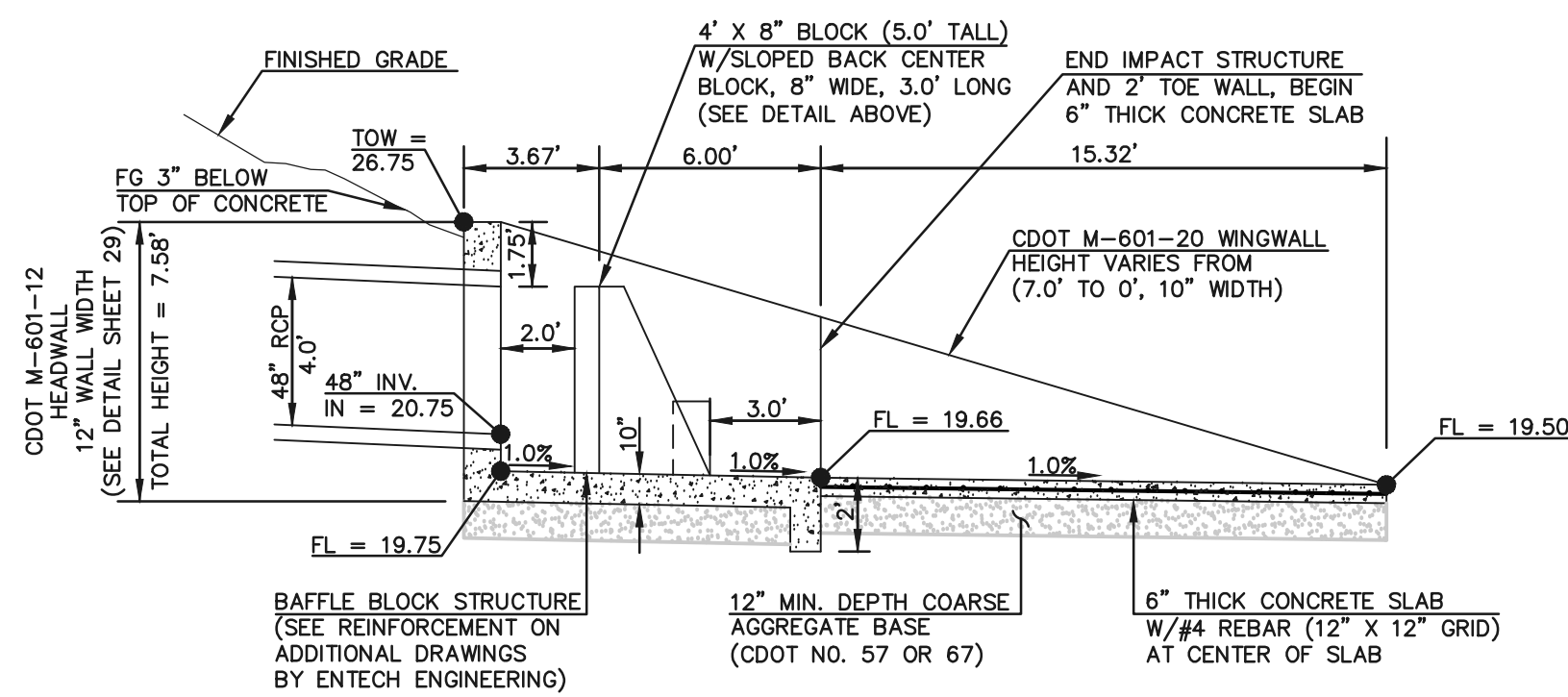
OUTFALL (POND A) 30" RCP BAFFLE STRUCTURE - PLAN VIEW
SCALE 1" = 5'



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'

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. CHAPMAN, P.E. #29794

03/31/22

CLASSIC CONSULTING

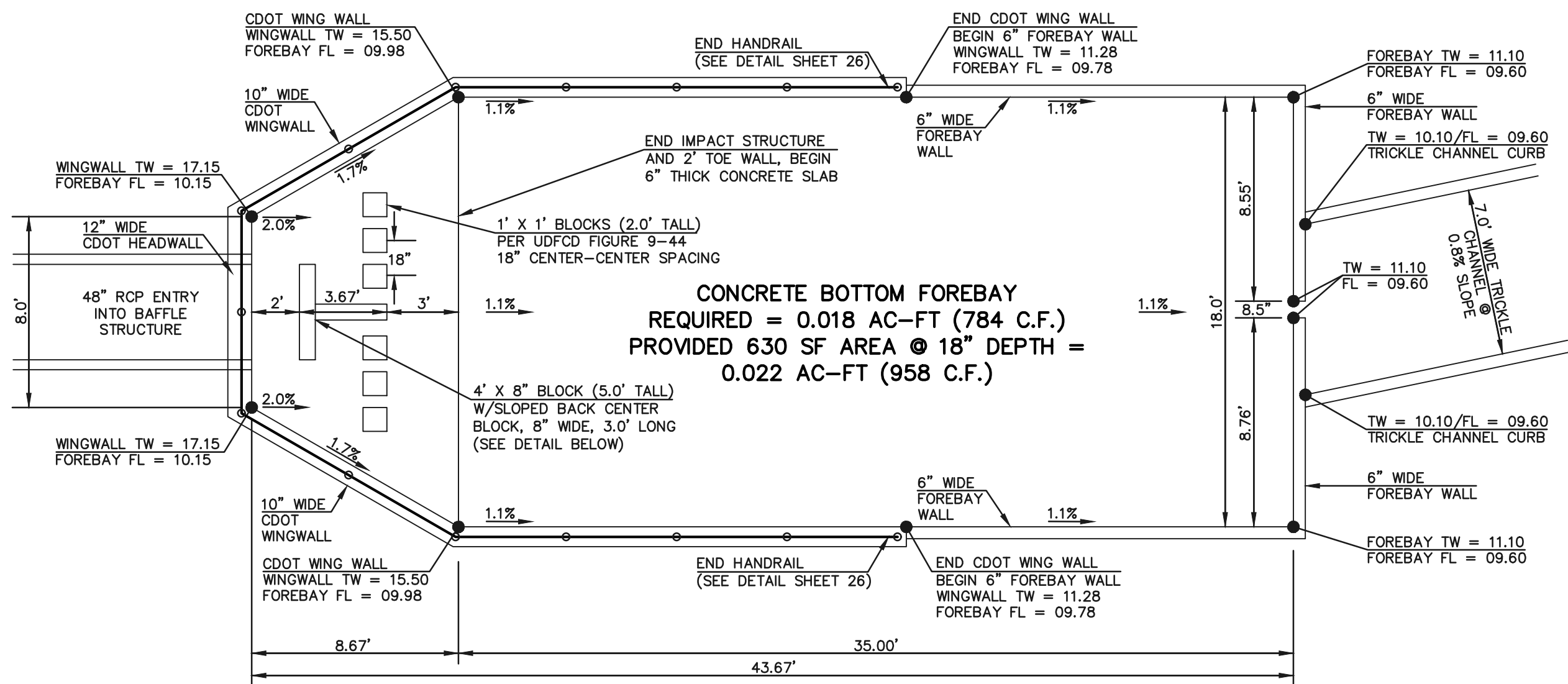
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

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

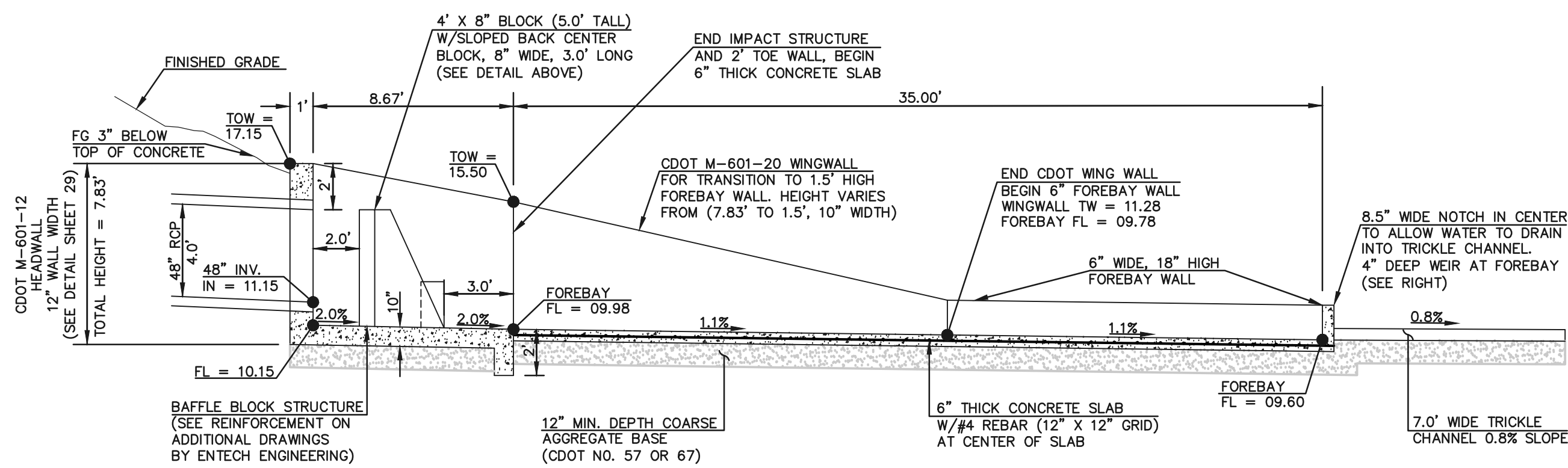
FOREST LAKES FILING NO. 7 CONSTRUCTION PLANS EPC 5/12/2022			
OUTFALL L- 30" IMPACT STRUCTURE BYPASS MAIN - 48" IMPACT STRUCTURE			
DESIGNED BY	MAL	SCALE	DATE 11/23/21
DRAWN BY	ME'S	(H) 1"= 5'	SHEET 23 OF 31
CHECKED BY	(V) 1"= N/A	JOB NO.	1175.70

PCD FILE # SF-21-49

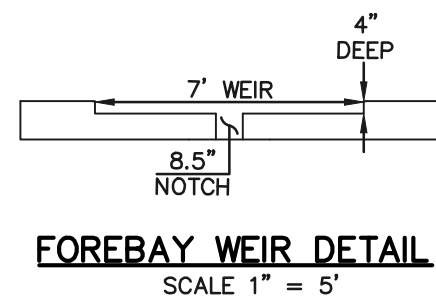
N:\117570 DRAWINGS\CONSTRUCTION\STORM\24-117570-S7N-10-48n-forebay.dwg, 3/23/2022 12:35:26 PM, 1:1



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



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



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

[Signature]

KYLE R. CAMPBELL, P.E. #29794

03/31/22

CLASSIC
CONSULTING

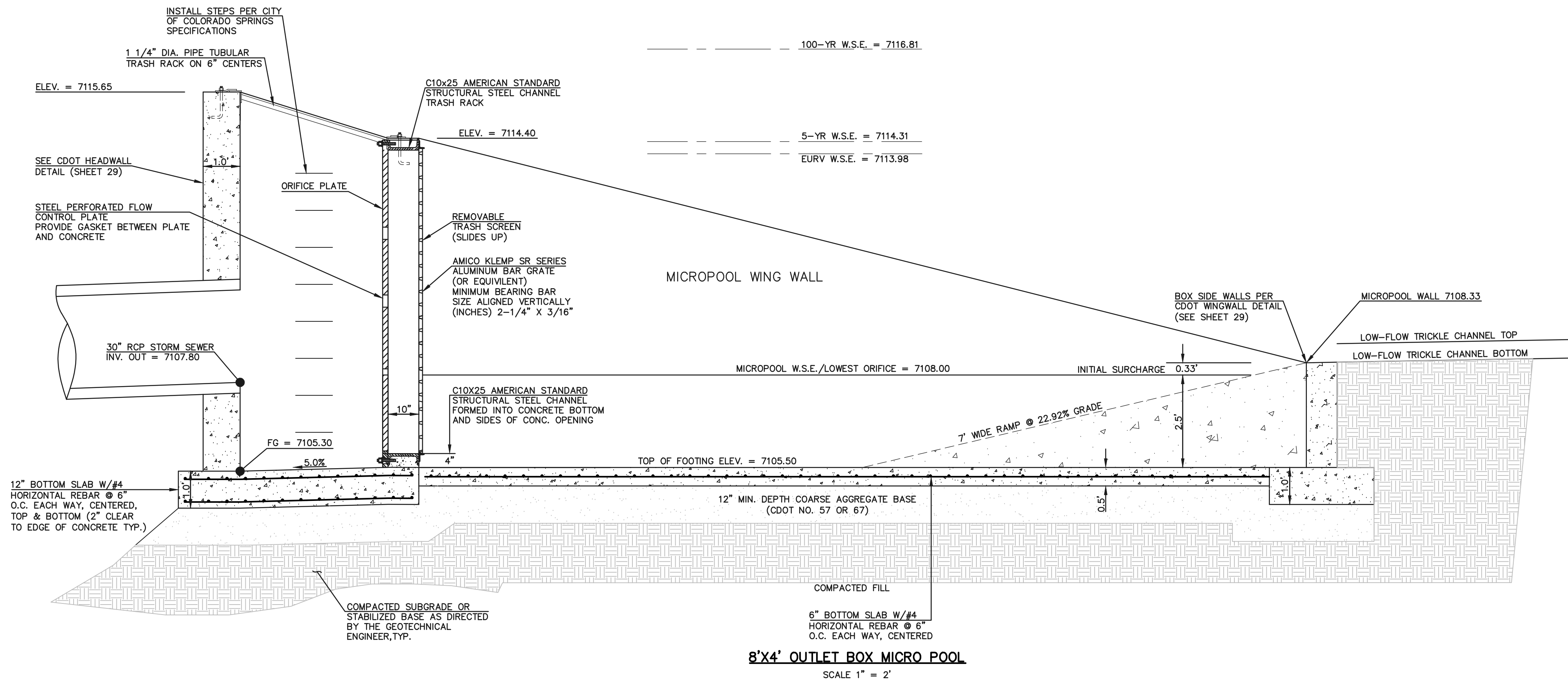
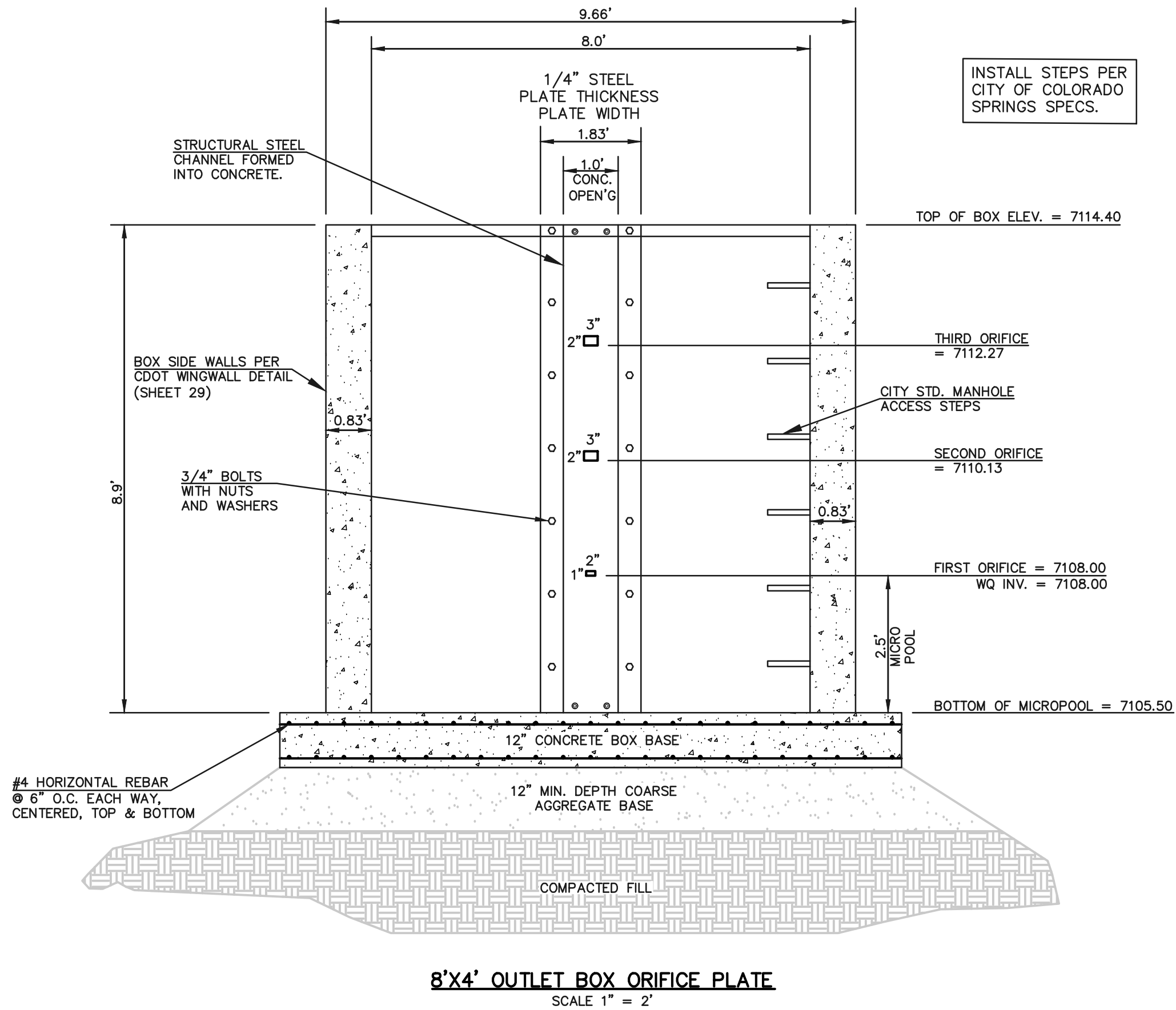
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

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

FOREST LAKES FILING NO. 7 CONSTRUCTION PLANS EPC 5/12/2022			
MAIN 'A' - 48" IMPACT STRUCTURE & FOREBAY			
DESIGNED BY	MAL	SCALE	DATE 11/23/21
DRAWN BY	ME'S	(H) 1"= 5'	SHEET 24 OF 31
CHECKED BY	(V) 1"= N/A	JOB NO.	1175.70

PCD FILE # SF-21-49

N:\17570\DRAWINGS\CONSTRUCTION\STORM\25-117570-S7W-11-outlet structure.dwg, 3/31/2022 12:36:07 PM, 1:1



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.

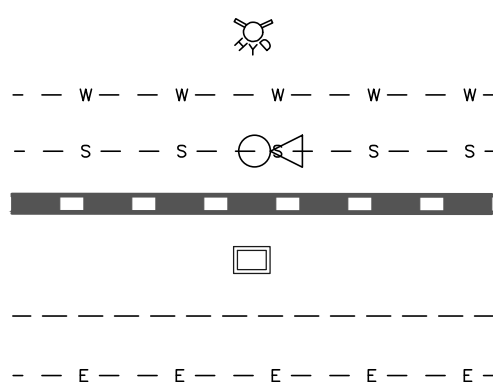
NO.	REVISION	DATE

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



FOREST LAKES FILING NO. 7 CONSTRUCTION PLANS EPC 5/12/2022 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

PCD FILE # SF-21-49



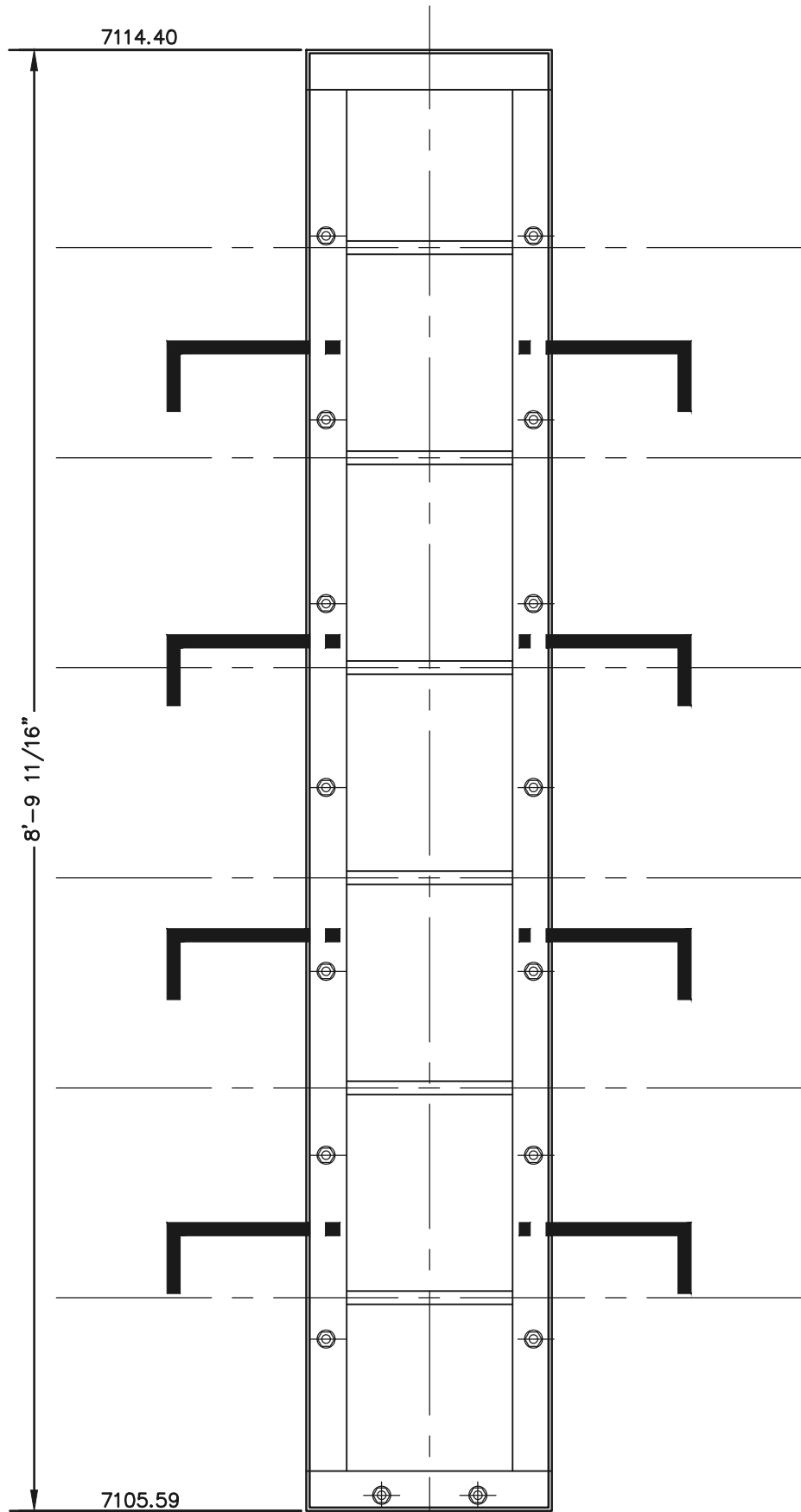
DESIGNED BY	MAL	SCALE	DATE	11/23/21
DRAWN BY	MES	(H) 1"= 2'	SHEET	26 OF 31
CHECKED BY		(V) 1"= N/A	JOB NO.	1175.70

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.

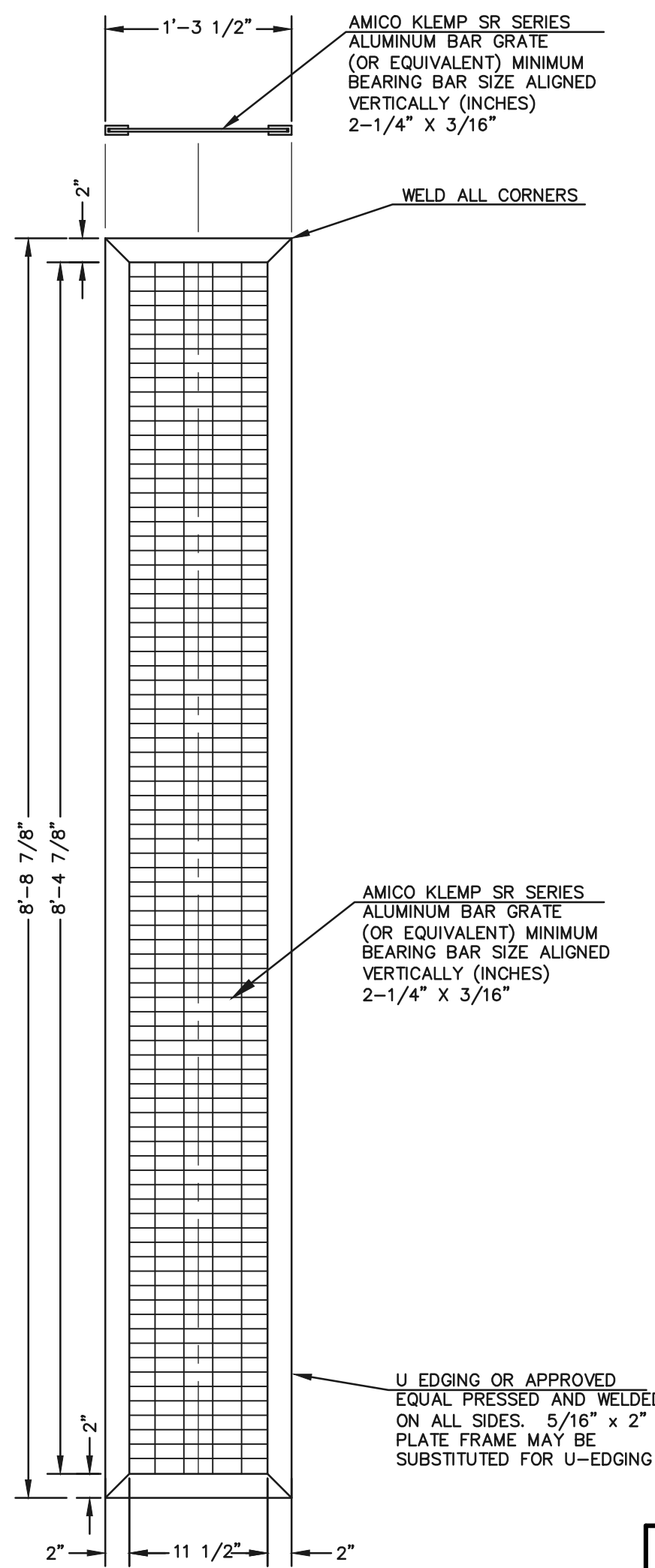
03/31/22
DATE

CLASSICSM
CONSULTING

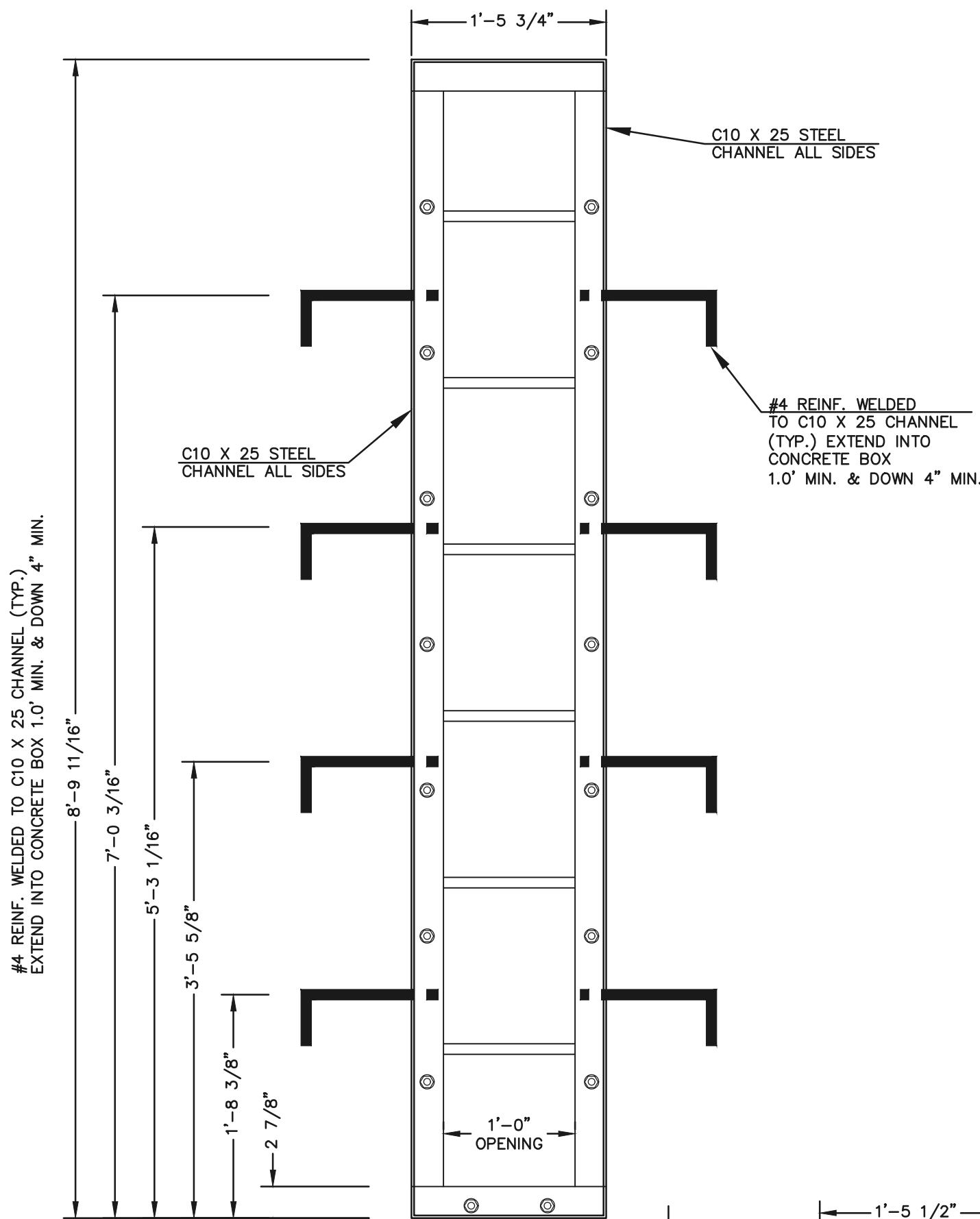
619 N. Cascade Avenue, Suite 200 (719)785-0790
Colorado Springs, Colorado 80903 (719)785-0799(Fax)



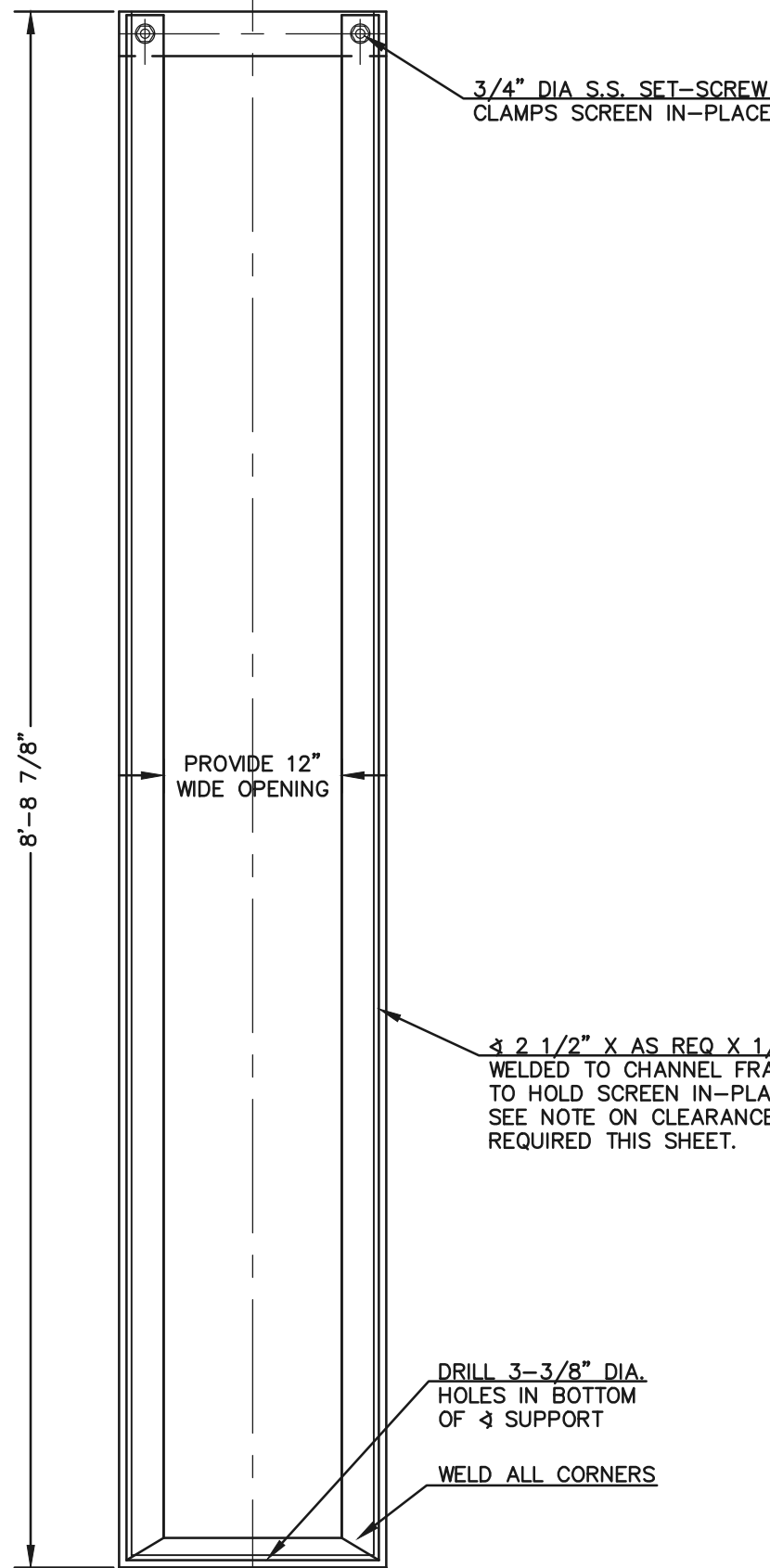
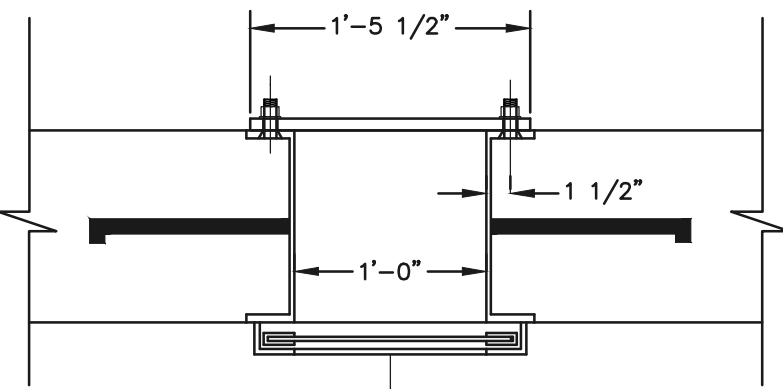
OUTLET CONTROL
PLATE AND FRAME
SCALE: 1"=1'



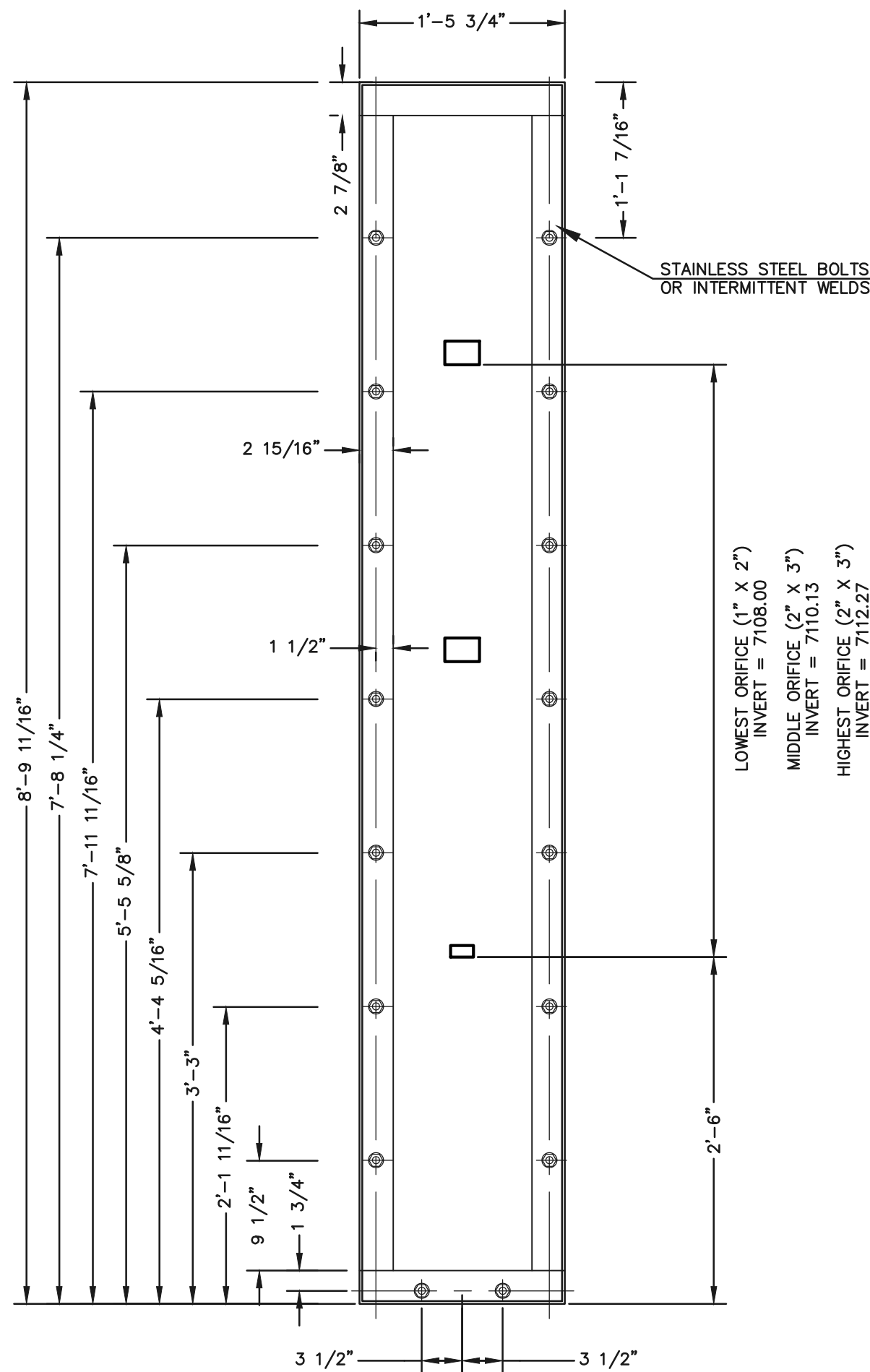
TRASH SCREEN
SCALE: 1"=1'



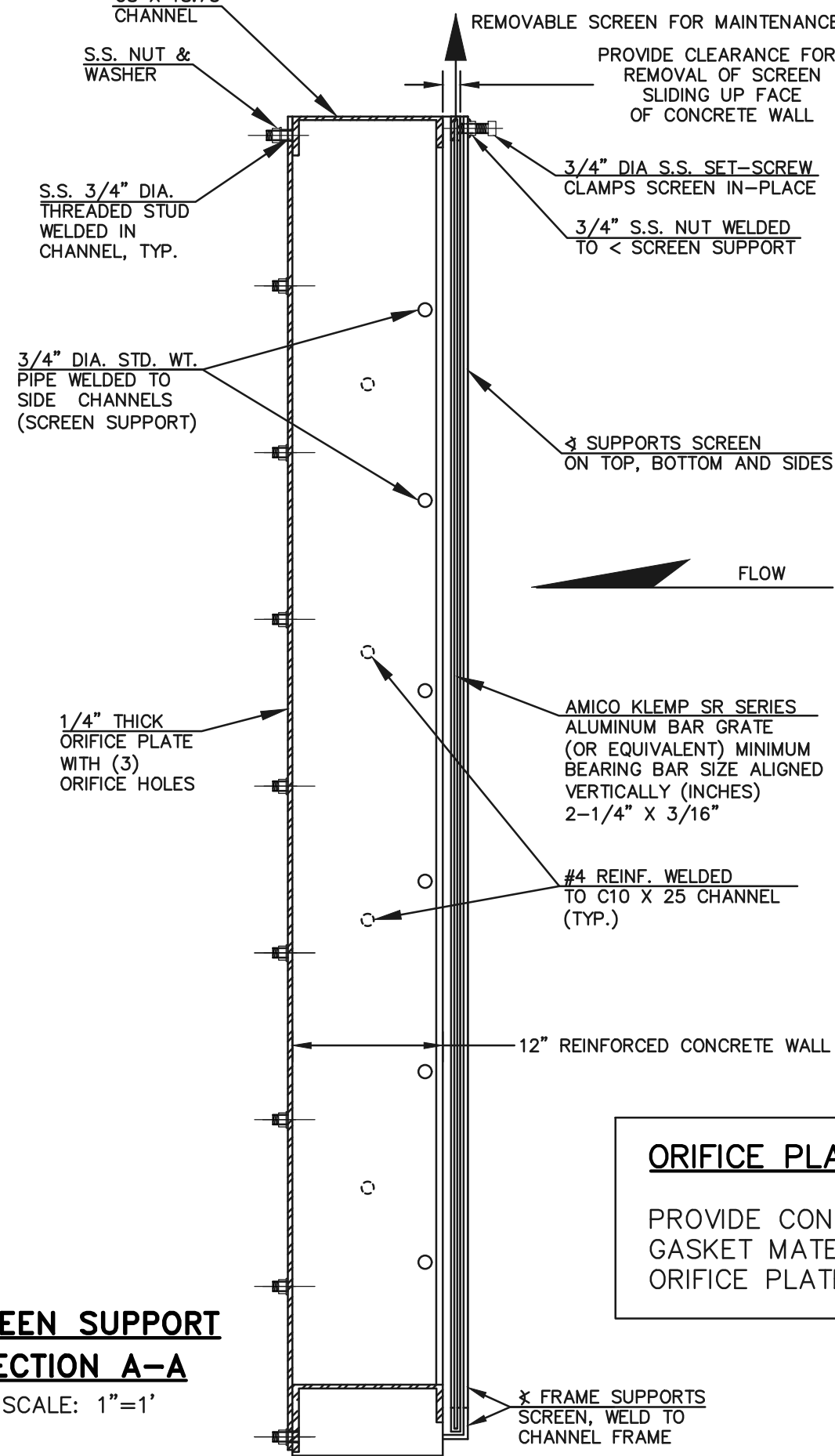
CHANNEL FRAME
WITH WALL ANCHORS
SCALE: 1"=1'



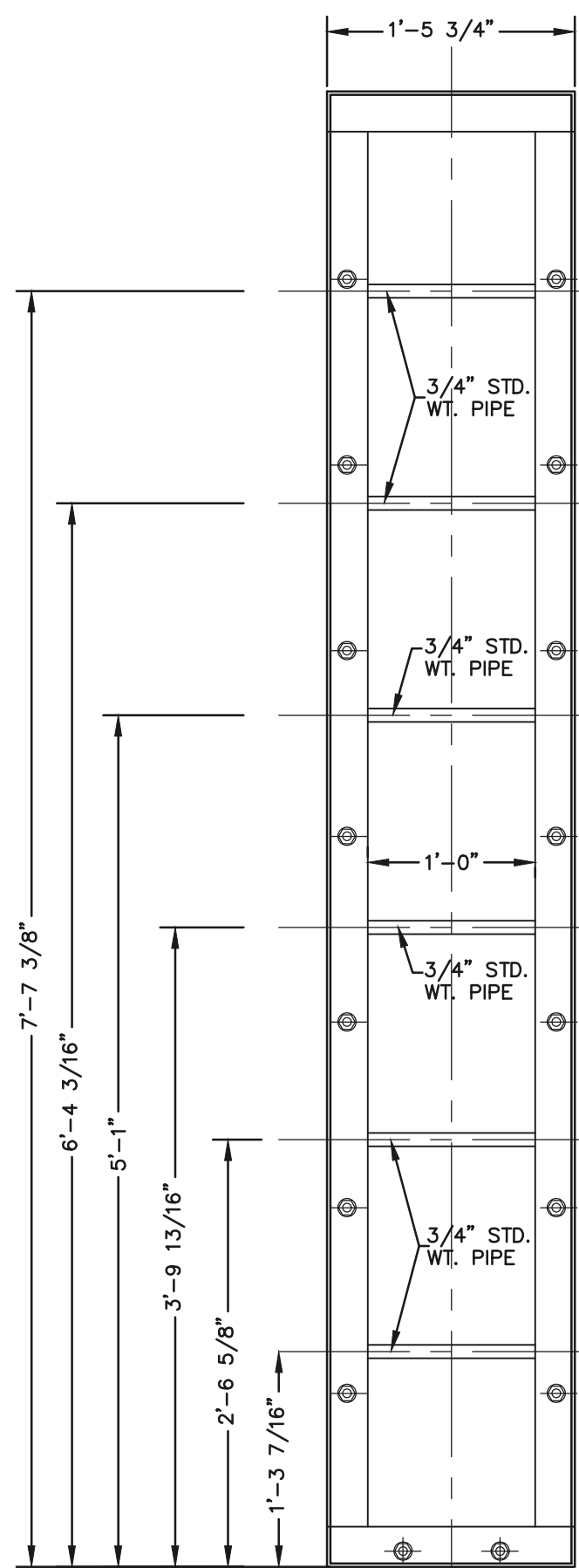
SCREEN SUPPORT
SCALE: 1"=1'



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



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



CHANNEL FRAME
SCALE: 1"=1'

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

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.

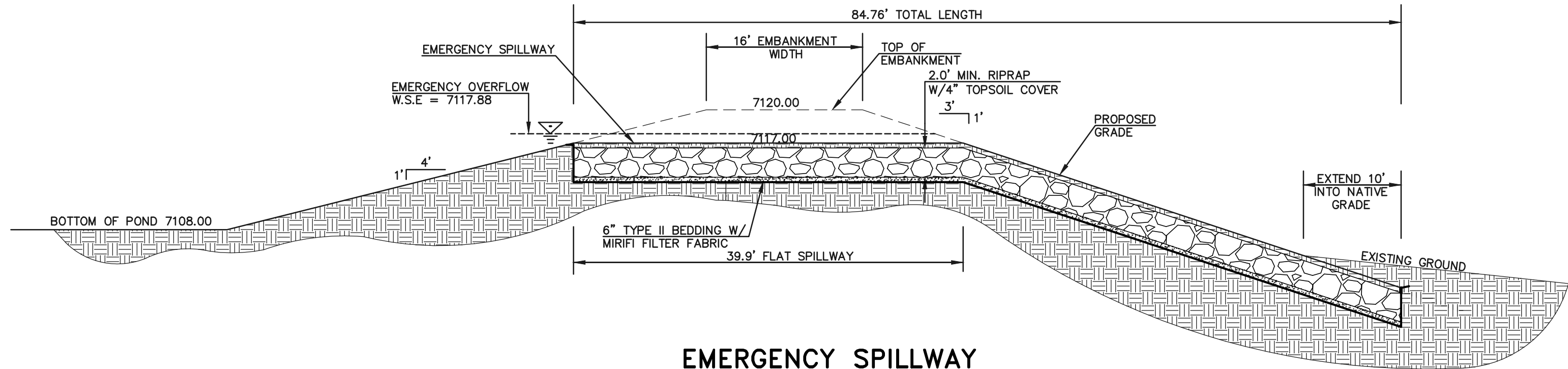
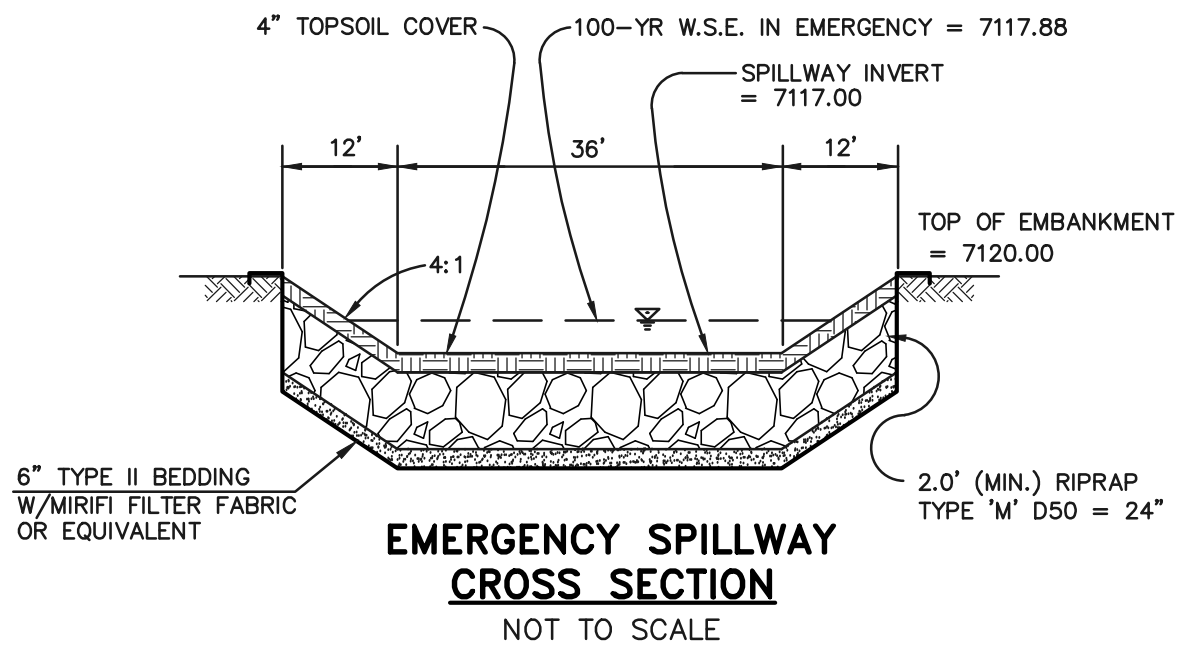
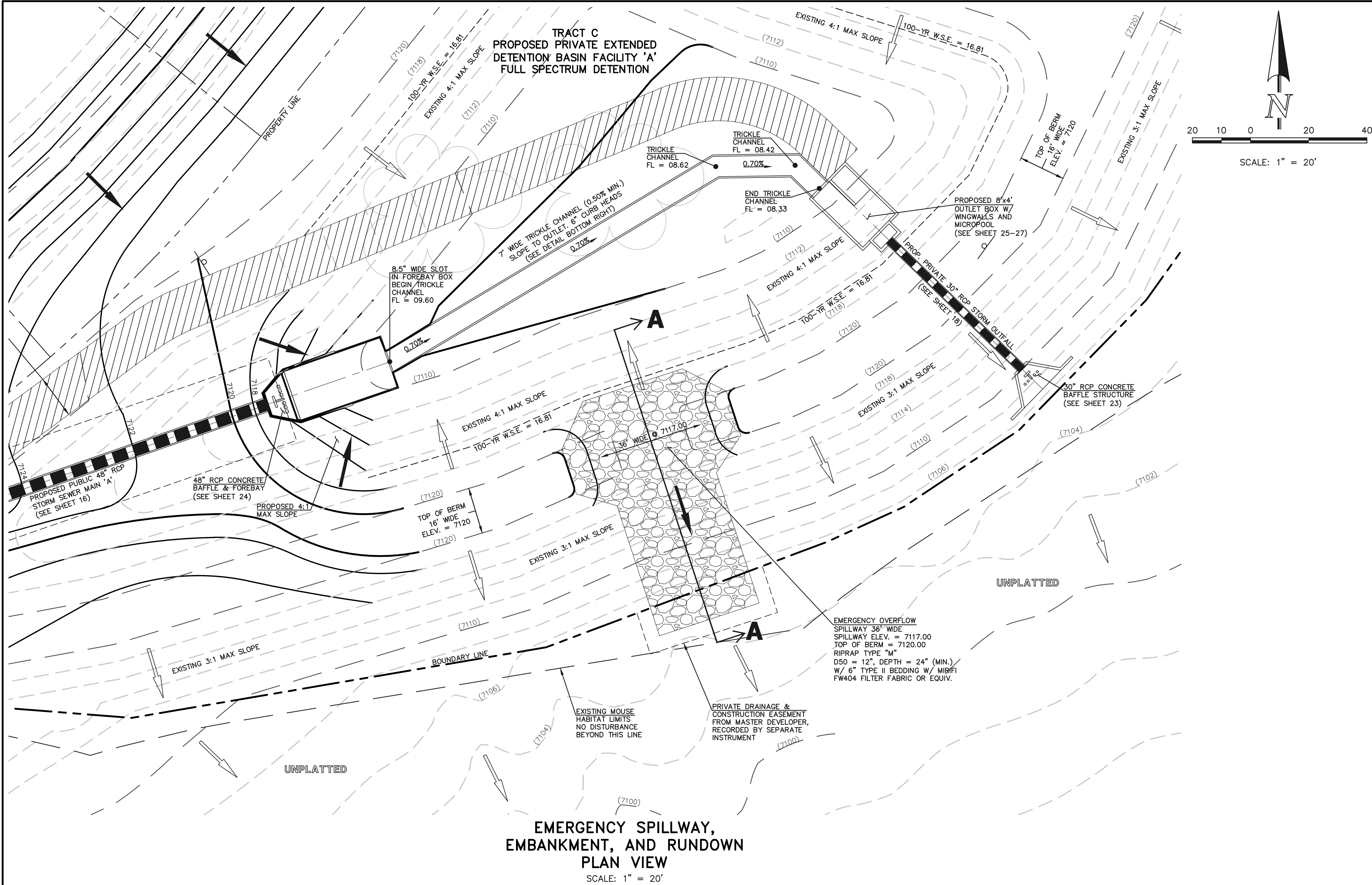
NO.	REVISION	DATE

REVIEW:
PREPARED UNDER THE DIRECT SUPERVISION FOR AND ON BEHALF OF
CLASSIC CONSULTING 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			
OUTLET BOX DETAILS EPC 5/12/2022			
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

PCD FILE # SF-21-49



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

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

03/31/22
DATE

CLASSIC
CONSULTING

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

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

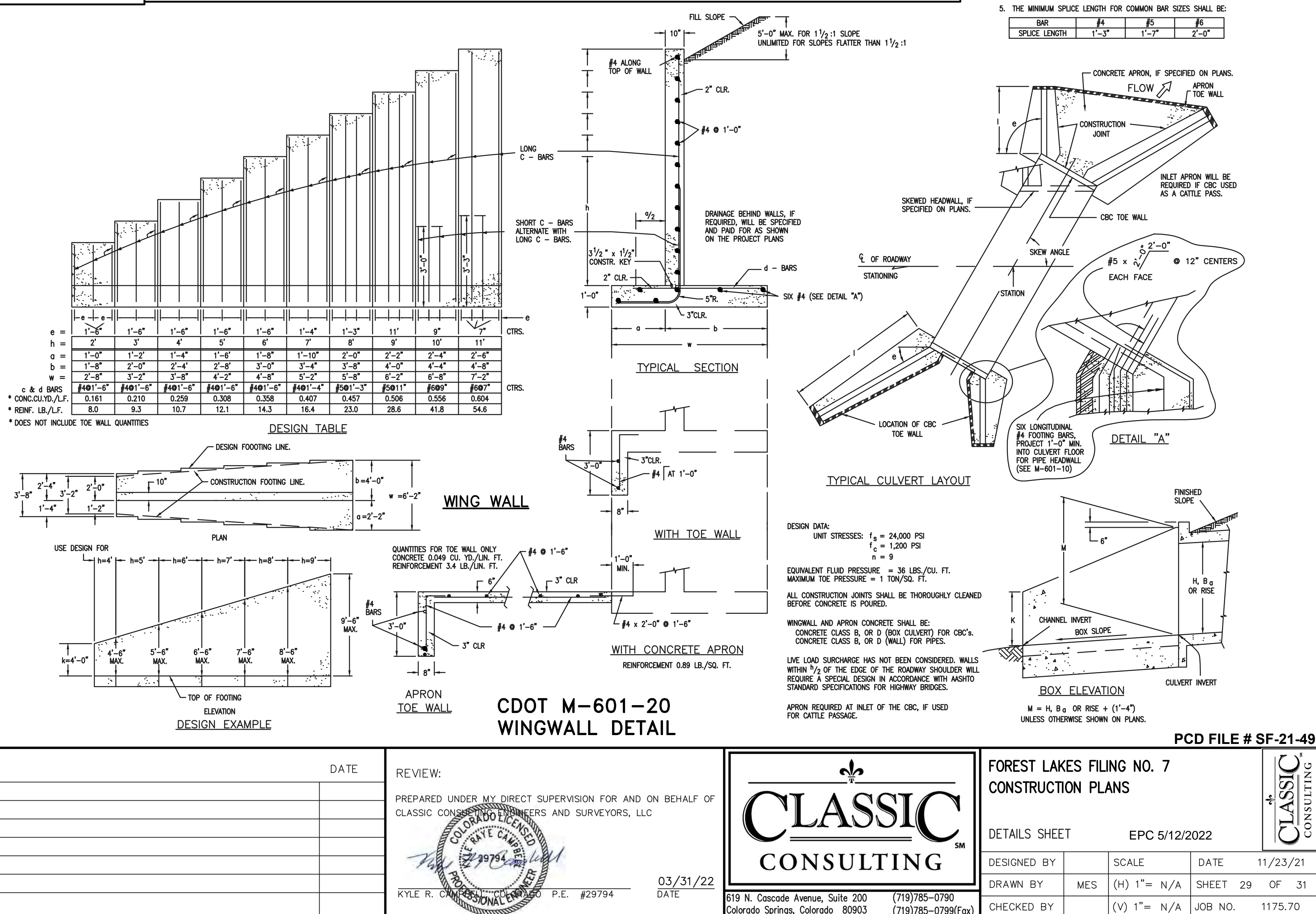
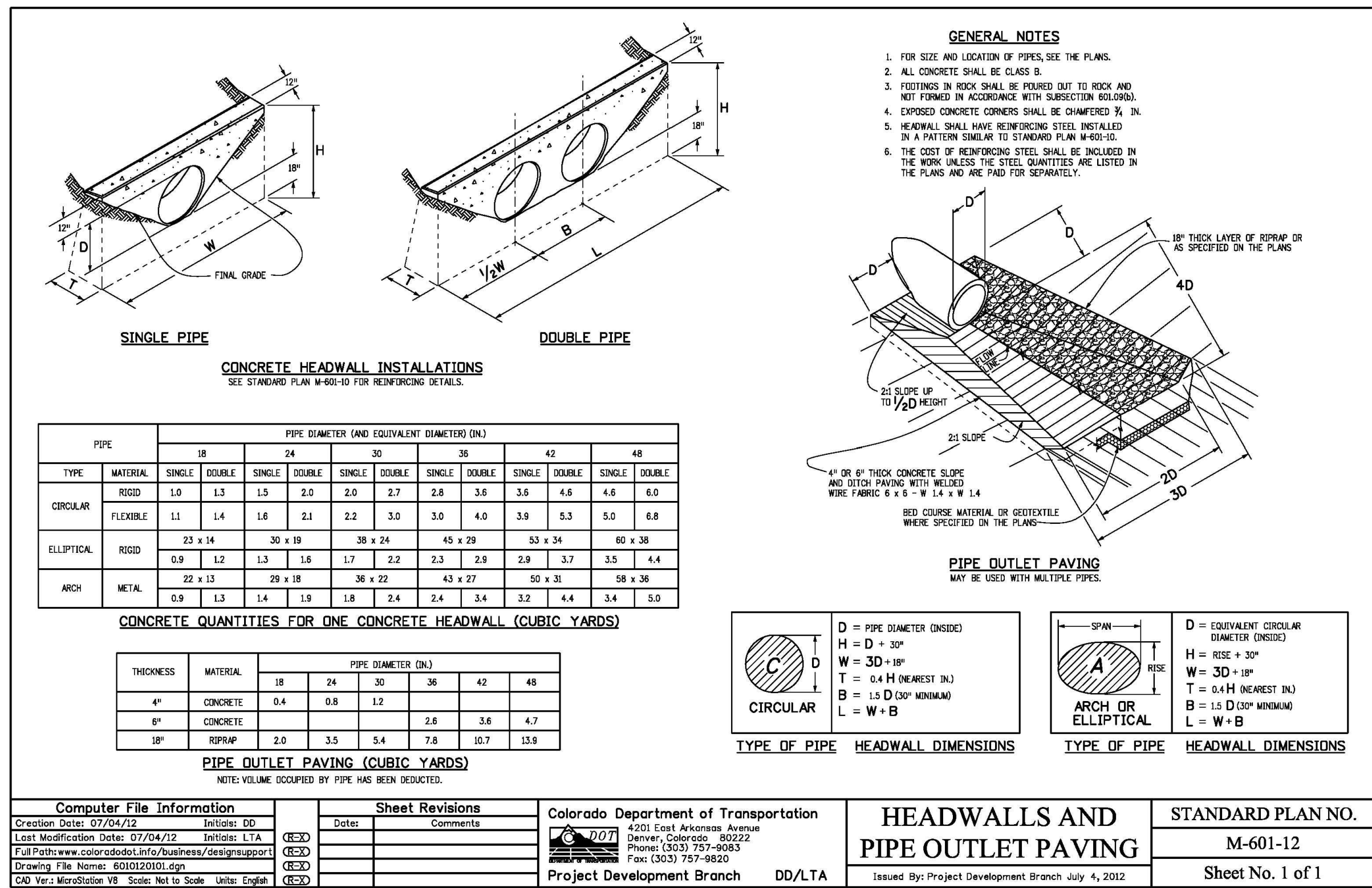
FOREST LAKES FILING NO. 7
CONSTRUCTION PLANS

POND SPILLWAY DETAILS EPC 5/12/2022

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

CLASSIC
CONSULTING



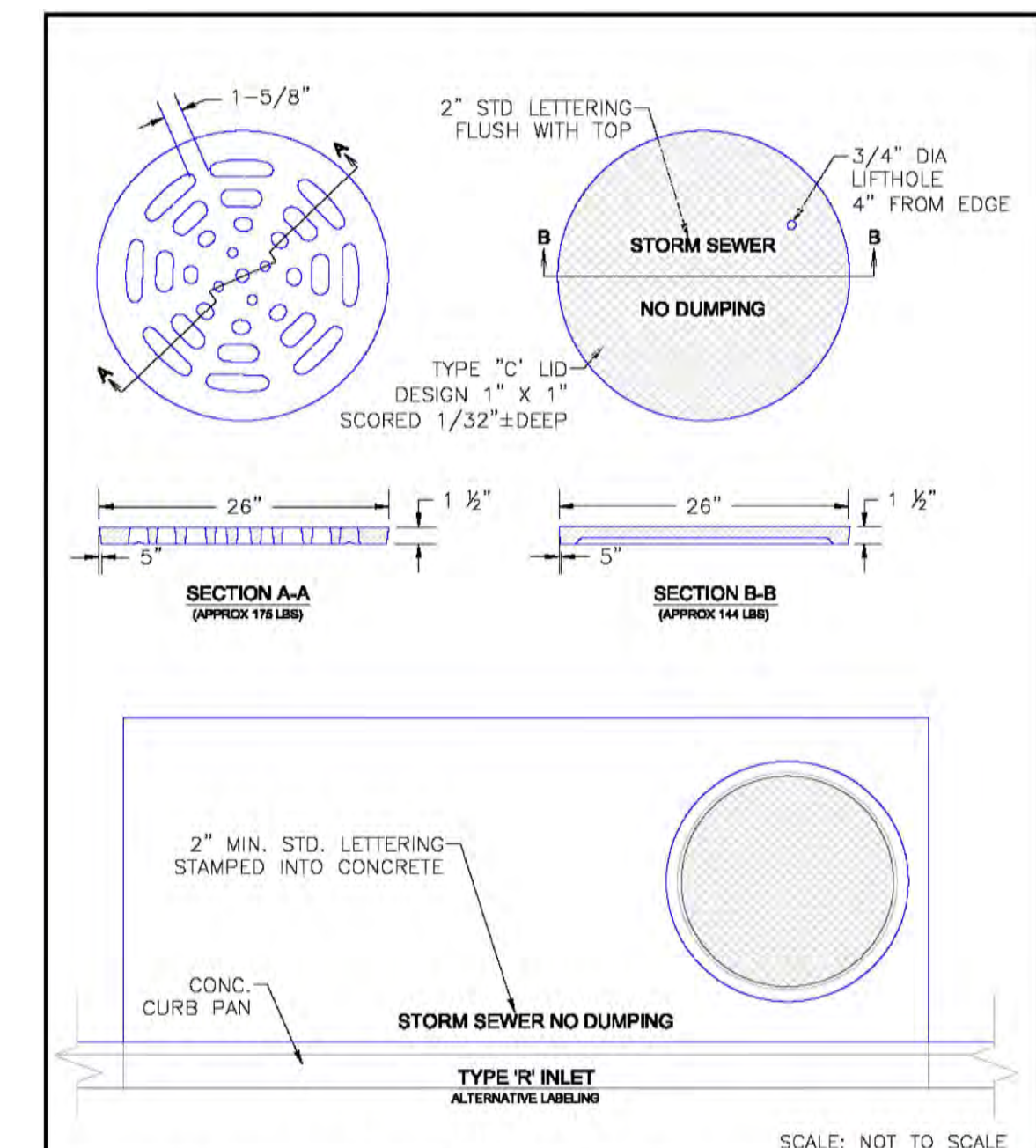
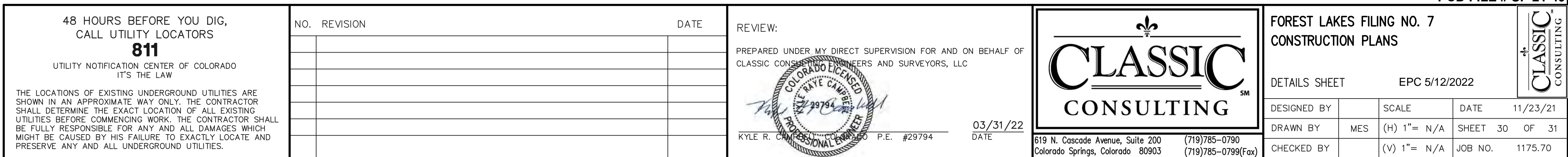


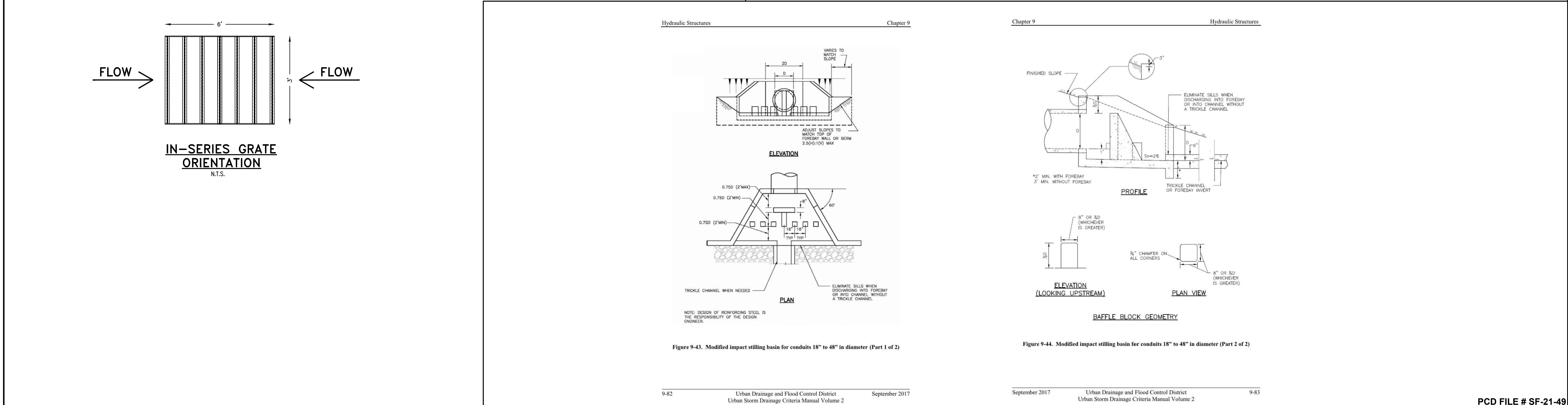
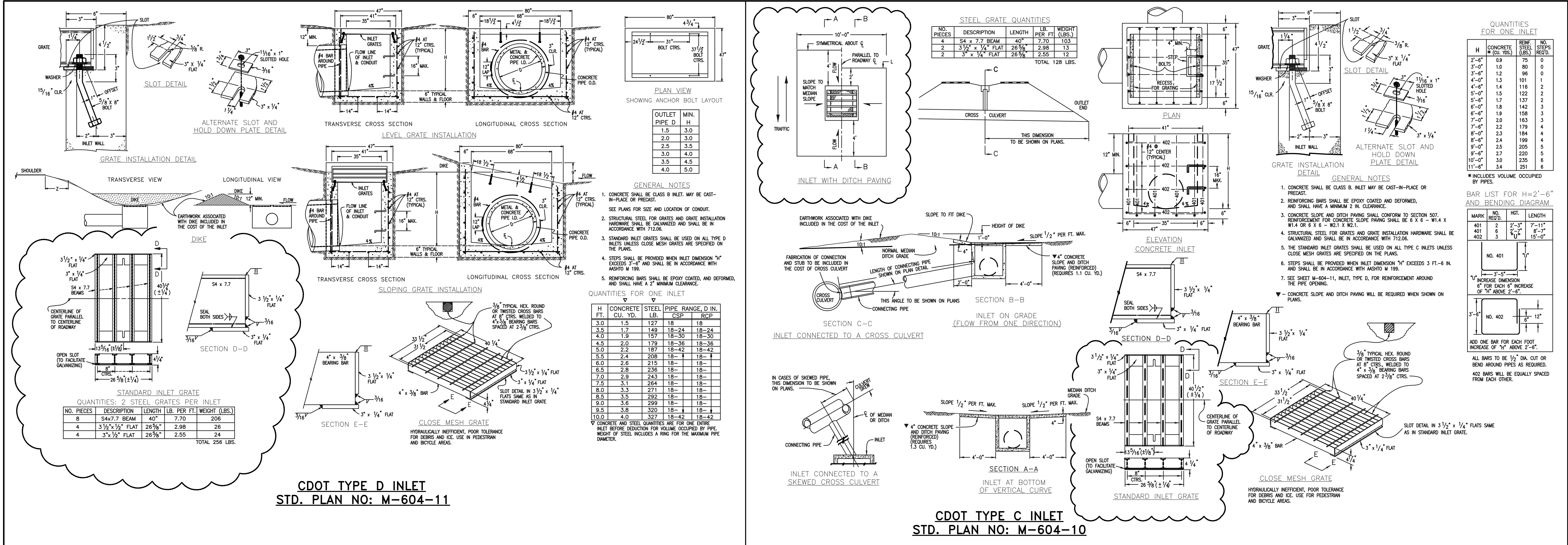
TABLE ONE ~ BAR LIST FOR CURB INLETS, TYPE "R"															
MARK	DA IN.	O.C. SPACING	TYPE	ALL INLETS				INLETS, H 2 5'				INLETS, 10' 5'			
				L= 4' → 5'		10'		15'		10'		15'			
				NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH	NO. REQ'D.	LENGTH		
401	1/2"	1"	II	15	*	21	*	26	*	11	*	11	*		
402		1"	II	*	13	*	18	*	7	*	7	*			
403		9"	II	*	4'-10"	*	4'-0"	*	4'-0"	*	4'-0"	*			
405		6"	VII	11	6'-10"	21	6'-10"	31	6'-10"	11	6'-10"	11	6'-10"		
406	6"	VIII	7	8'-10"	7	13'-10"	7	18'-10"	7	8'-10"	7	8'-10"			
407	1/2"	9"	II	*	5'-10"	*	10'-10"	*	15'-10"	*	5'-10"	*			
408		12"	II	3	6'-10"	3	11'-0"	3	16'-0"	3	11'-0"	3			
409	1"	8"	II	6	5'-10"	6	10'-10"	6	15'-10"	6	10'-10"	6			
410		11"	VII												
411		11"	II							3	5'-2"	3			
412		11"	II							3	2'-9"	3			
413	5/8"	9"	II						7	10'-10"	7	15'-10"			
502		5 1/2"	IV	11	3'-4"	22	3'-4"	33	3'-4"	22	3'-4"	33			
503		5 1/2"	III							11	11'-5"	17			
504		5 1/2"	IX	5	3'-6"	16	3'-6"	27	3'-6"	6	3'-6"	5			
601	3/4"	2 1/2"	V	2	8'-10"	2	8'-10"	2	8'-10"	2	8'-10"	4			
601 B.5															
8				1	5'-10"	1	10'-10"	1	15'-10"	1	10'-10"	1			

#6 B.5
2BARS, 1ROD
4BARS, 3RODS
8BARS, 5RODS
4BARS, 3RODS
8BARS, 5RODS

* UNUSABLE - REFER TO TABLE TWO

NOTE: FOR L=5', L=10' AND L=15'
REGULAR INLETS: TOTAL QUANTITIES
NEEDED ARE OUTSIDE OF
THE HEAVY BLACK LINE.
DROP BOX INLETS: TOTAL QUANTI-
TIES NEEDED ARE INSIDE OF THE
HEAVY BLACK LINE





<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>		<p>NO. REVISION</p> <p>DATE</p>	<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> <p>03/31/22</p>	<p>FOREST LAKES FILING NO. 7 CONSTRUCTION PLANS</p> <p>DETAILS SHEET EPC 5/12/2022</p> <p>DESIGNED BY: MES</p> <p>DRAWN BY: MES</p> <p>CHECKED BY: MES</p> <p>SCALE: (H) 1"= N/A</p> <p>DATE: 11/23/21</p> <p>SHEET: 31 OF 31</p> <p>JOB NO.: 1175.60</p>
---	--	---------------------------------	--	---