

# FOREST LAKES FILING NO. 5

## COUNTY OF EL PASO, STATE OF COLORADO

# CONSTRUCTION DRAWINGS

### JANUARY 2020

#### GENERAL CONSTRUCTION NOTES:

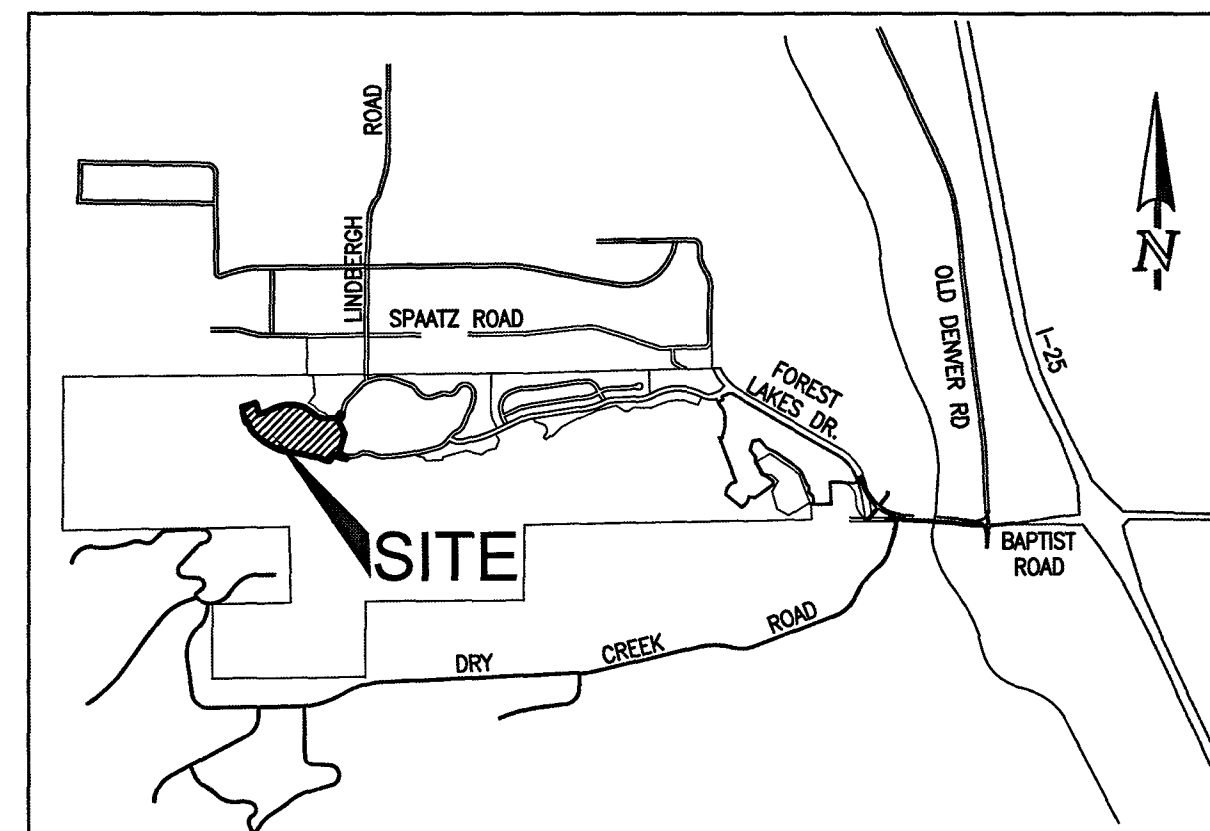
- THE LOCATION OF EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND MAY NOT INCLUDE ALL UTILITIES. THE EXCAVATION CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.
- BEFORE COMMENCING ANY EXCAVATION, CALL 1-800-922-1987 FOR EXISTING UTILITY LOCATIONS.
- 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.
- 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).
- ALL STATIONING IS CENTERLINE UNLESS OTHERWISE INDICATED. ALL ELEVATIONS ARE CENTERLINE UNLESS OTHERWISE INDICATED.
- 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.
- ALL DISTURBED PAVEMENT EDGES SHALL BE CUT TO NEAT LINES. REPAIR SHALL CONFORM TO THE EPC ECM APPENDIX K - 1.2C.
- ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION.
- BUILDING CONTRACTORS WILL BE RESPONSIBLE FOR CONSTRUCTING POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
- 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.
- 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.
- 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
- ALL MATERIALS AND INSTALLATION PROCEDURES SHALL BE IN COMPLIANCE WITH ANY AND ALL APPLICABLE EL PASO COUNTY STANDARDS.

#### STANDARD NOTES FOR EL PASO COUNTY CONSTRUCTION PLANS:

- 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.
- 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).
- 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:
  - EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
  - CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
  - COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
  - CDOT M & S STANDARDS
- 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.
- 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.
- CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
- 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.
- 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.
- ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
- 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.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- 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.
- SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS AND MUTCD CRITERIA.
- 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.
- THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND AGREEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

#### SIGNING AND STRIPING NOTES:

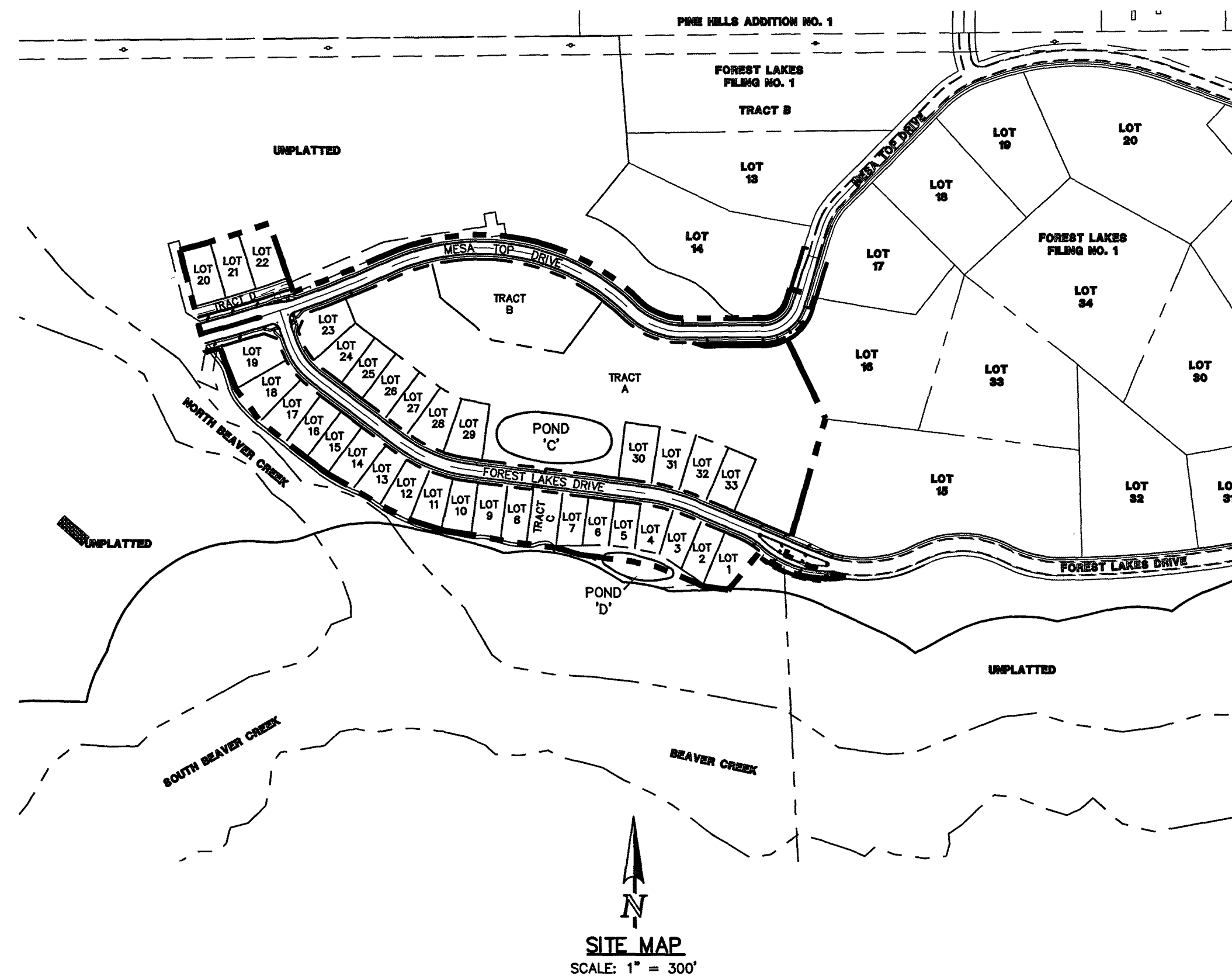
- ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
- ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
- ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
- STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
- ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
- ALL STREET NAME SIGNS SHALL HAVE "D" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING 4" UPPER-LOWER CASE LETTERING ON 8" BLANK AND NON-LOCAL ROADWAY SIGNS BEING 5" 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."
- ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
- 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 SUBBASE DESIGN.
- ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
- ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 12" WIDE AND 8' LONG PER CDOT S-627-1.
- 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.
- THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (719) 520-8819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
- THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (DPW) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.



VICINITY MAP  
N.T.S.

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SHEET 31 OF 32	DETAIL SHEET
SHEET 32 OF 32	DETAIL SHEET



SITE MAP  
SCALE: 1" = 300'


#### 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 186 SECOND STREET MONUMENT, COLORADO 80132 (719) 484-0911
GAS COMPANY:	BLACK HILLS ENERGY 18065 BASE CAMP ROAD, A-7 MONUMENT, CO 80132 (888) 890-5554
ELECTRIC COMPANY:	MOUNTAIN VIEW ELECTRIC 11140 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:

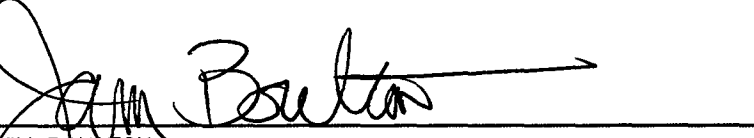
##### DESIGN ENGINEER'S STATEMENT:

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 CONFORMANCE 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 NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

  
 KYLE R. CAMPBELL, P.E. #29794  
 FOR AND ON THE BEHALF OF CLASSIC CONSULTING ENGINEERS & SURVEYORS  
 DATE: 3/7/20

##### 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  
 DATE: 3-7-20

##### 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 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.

JENNIFER IRVINE, P.E.  
COUNTY ENGINEER / ECM ADMINISTRATOR  
DATE: \_\_\_\_\_


PCD FILE # SF1915

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

  
 KYLE R. CAMPBELL, P.E. #29794  
 DATE: 3/7/20

  
 CLASSIC CONSULTING

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

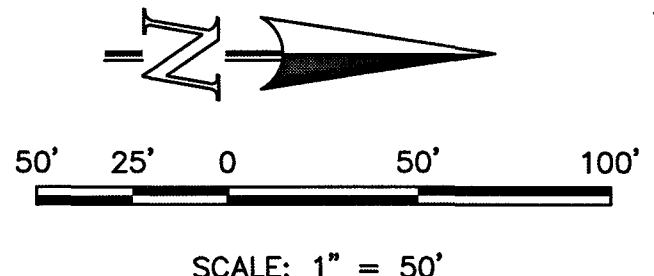
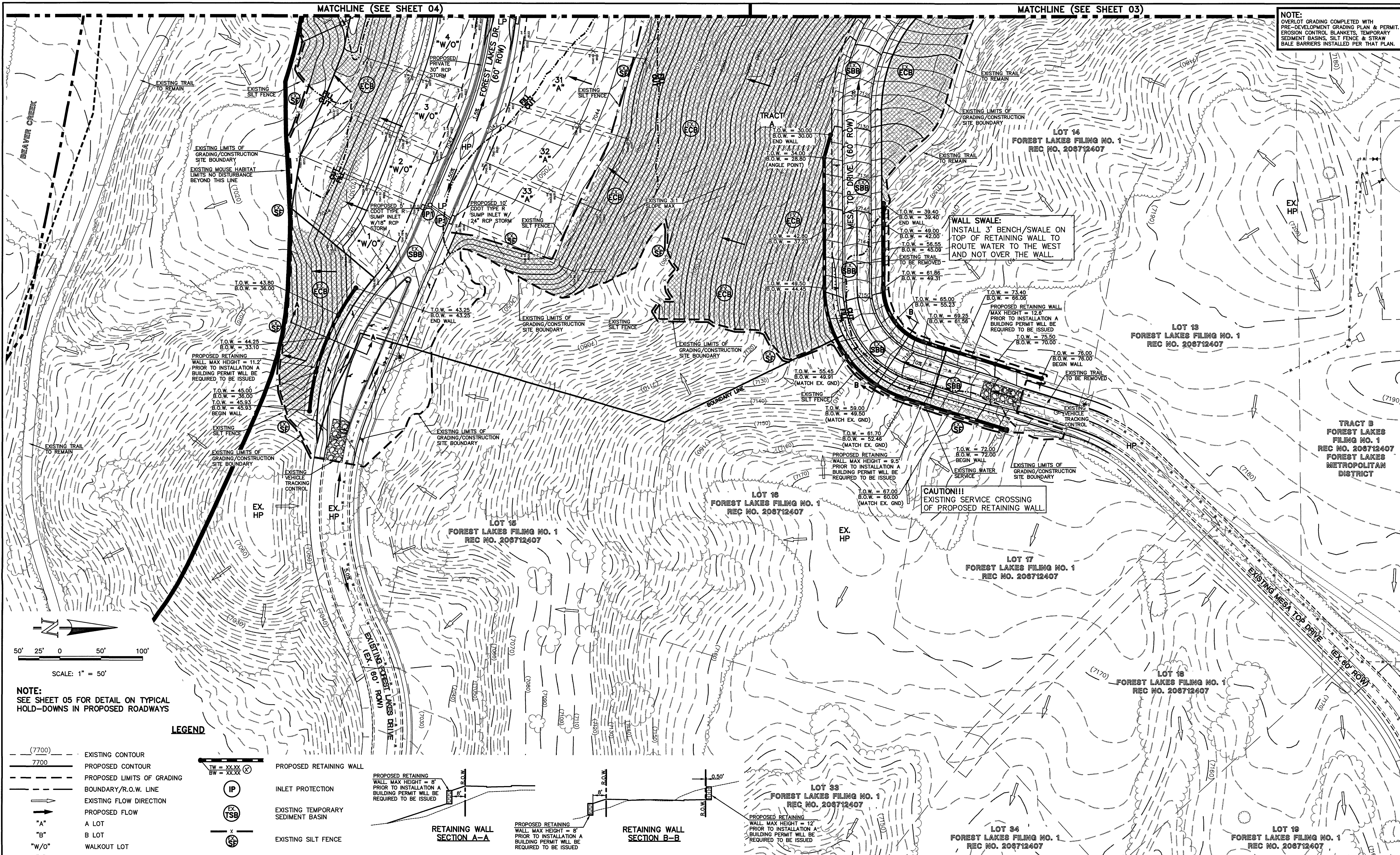
FOREST LAKES FILING NO. 5 CONSTRUCTION DRAWINGS			
TITLE SHEET			
DESIGNED BY	MAL	SCALE	DATE 06-21-19
DRAWN BY	BB	(H) 1"=VARIES	SHEET 1 OF 32
CHECKED BY	(V) 1"= N/A	JOB NO.	1175-50

CLASSIC CONSULTING

MATCHLINE (SEE SHEET 04)

MATCHLINE (SEE SHEET 03)

NOTE: OVERLOT GRADING COMPLETED WITH PRE-DEVELOPMENT GRADING PLAN & PERMIT. EROSION CONTROL BLANKETS, TEMPORARY SEDIMENT BASINS, SILT FENCE & STRAW BALE BARRIERS INSTALLED PER THAT PLAN.

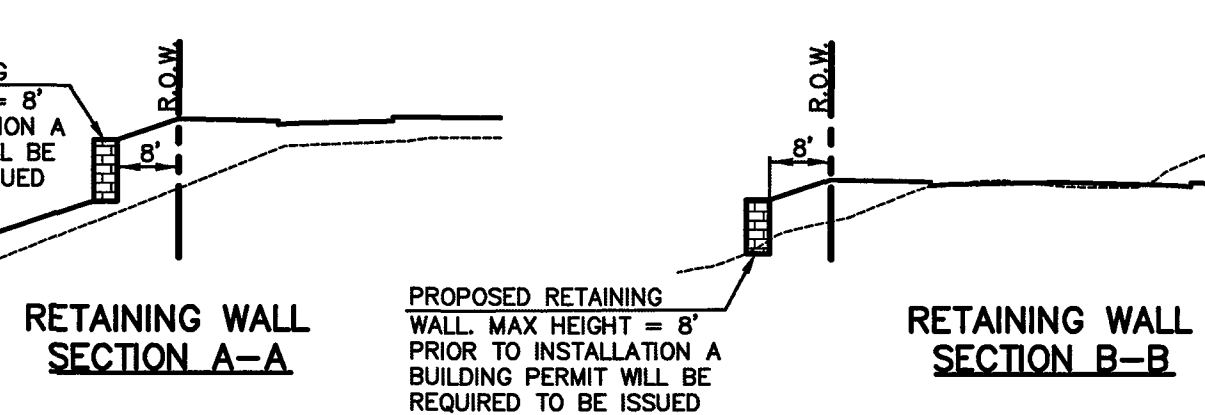


NOTE: SEE SHEET 05 FOR DETAIL ON TYPICAL HOLD-DOWNS IN PROPOSED ROADWAYS

**LEGEND**

- (7700) --- EXISTING CONTOUR
- 7700 --- PROPOSED CONTOUR
- PROPOSED LIMITS OF GRADING
- 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
- HP PROPOSED HIGH POINT
- LP PROPOSED LOW POINT
- IP INLET PROTECTION
- EX SBT EXISTING TEMPORARY SEDIMENT BASIN
- EX SFF EXISTING SILT FENCE
- EX SBB EXISTING STRAW BALE CHECK DAM
- EX ECB EXISTING EROSION CONTROL BLANKET
- EX VTC EXISTING VEHICLE TRACKING CONTROL
- EX VEG EXISTING VEGETATION

NOTE: SEE SHEET 05 FOR LOT TEMPLATES  
SEE SHEET 05 FOR EROSION CONTROL DETAILS



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NO.	REVISION	DATE

REVIEW:

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

*[Signature]*  
KYLE R. CAMPBELL, LICENSED PROFESSIONAL ENGINEER, P.E. #29794

DATE: 3/2/20

**CLASSIC CONSULTING**

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

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

FOREST LAKES FILING NO. 5  
GRADING AND EROSION CONTROL PLAN

DESIGNED BY	MAL	SCALE	DATE	06/21/19
DRAWN BY	MES	(H) 1" = 50'	SHEET	2 OF 32
CHECKED BY	(V) 1" = N/A	JOB NO.	1175.50	

CLASSIC CONSULTING

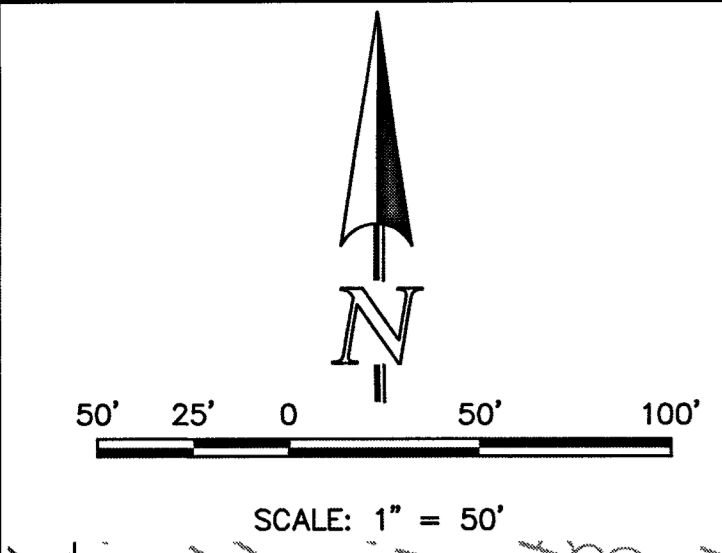
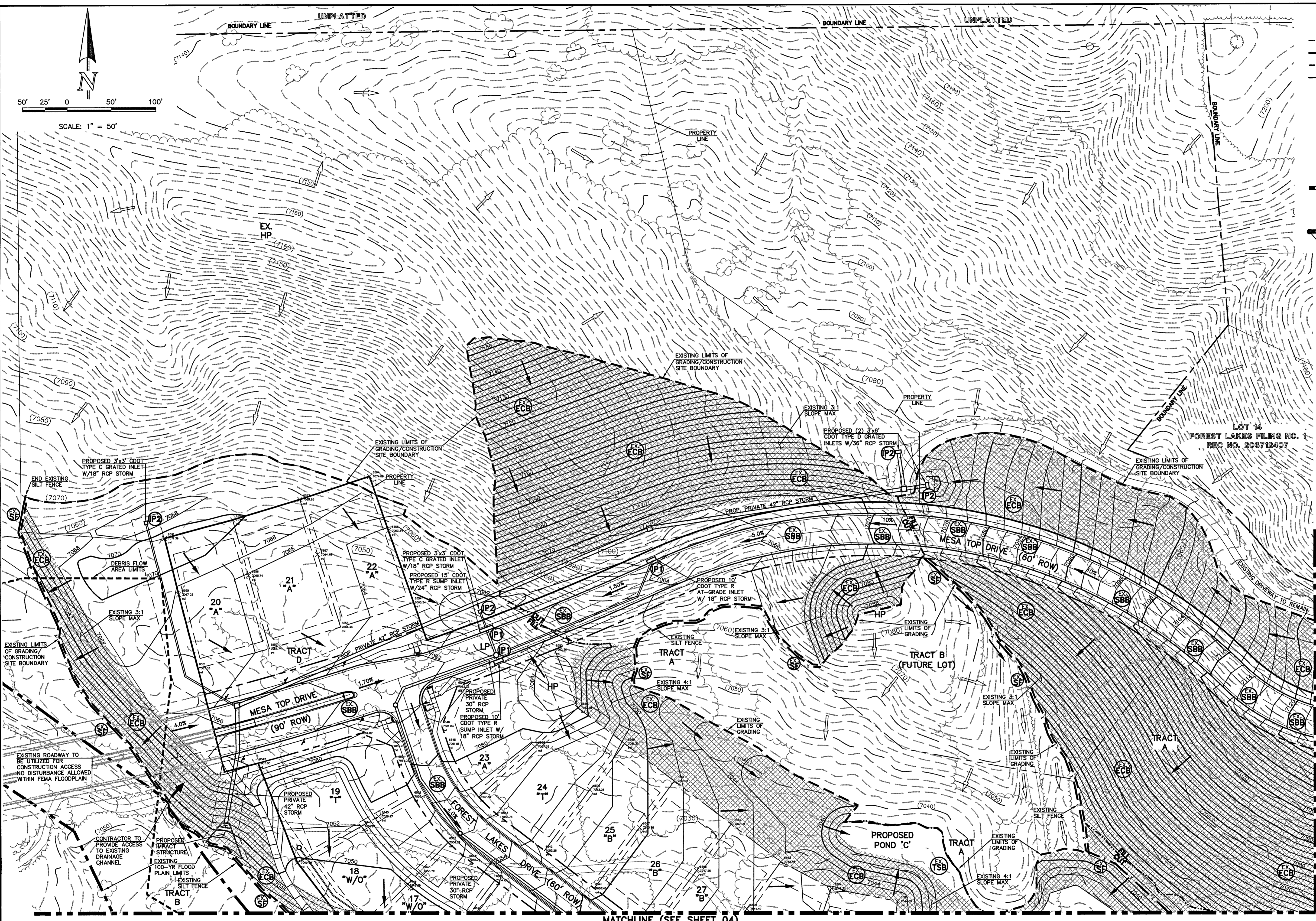
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**LEGEND**

- (7700) --- EXISTING CONTOUR
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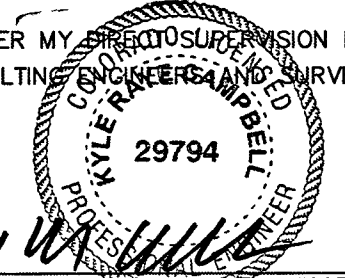
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SEE SHEET 05 FOR LOT TEMPLATES  
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**NOTE:**  
OVERLOT GRADING COMPLETED WITH  
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MATCHLINE (SEE SHEET 04)

MATCHLINE (SEE SHEET 02)

<p>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS <b>811</b> 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" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">NO. REVISION</th> <th style="text-align: left;">DATE</th> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	NO. REVISION	DATE							<p>REVIEW:</p> <p>PREPARED UNDER MY SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS &amp; SURVEYORS, LLC</p> <p style="text-align: center;">               29794         </p> <p>KYLE R. CAMPBELL, COLORADO P.E. #29794</p>	<p>DATE: 3/2/21</p>
NO. REVISION	DATE										

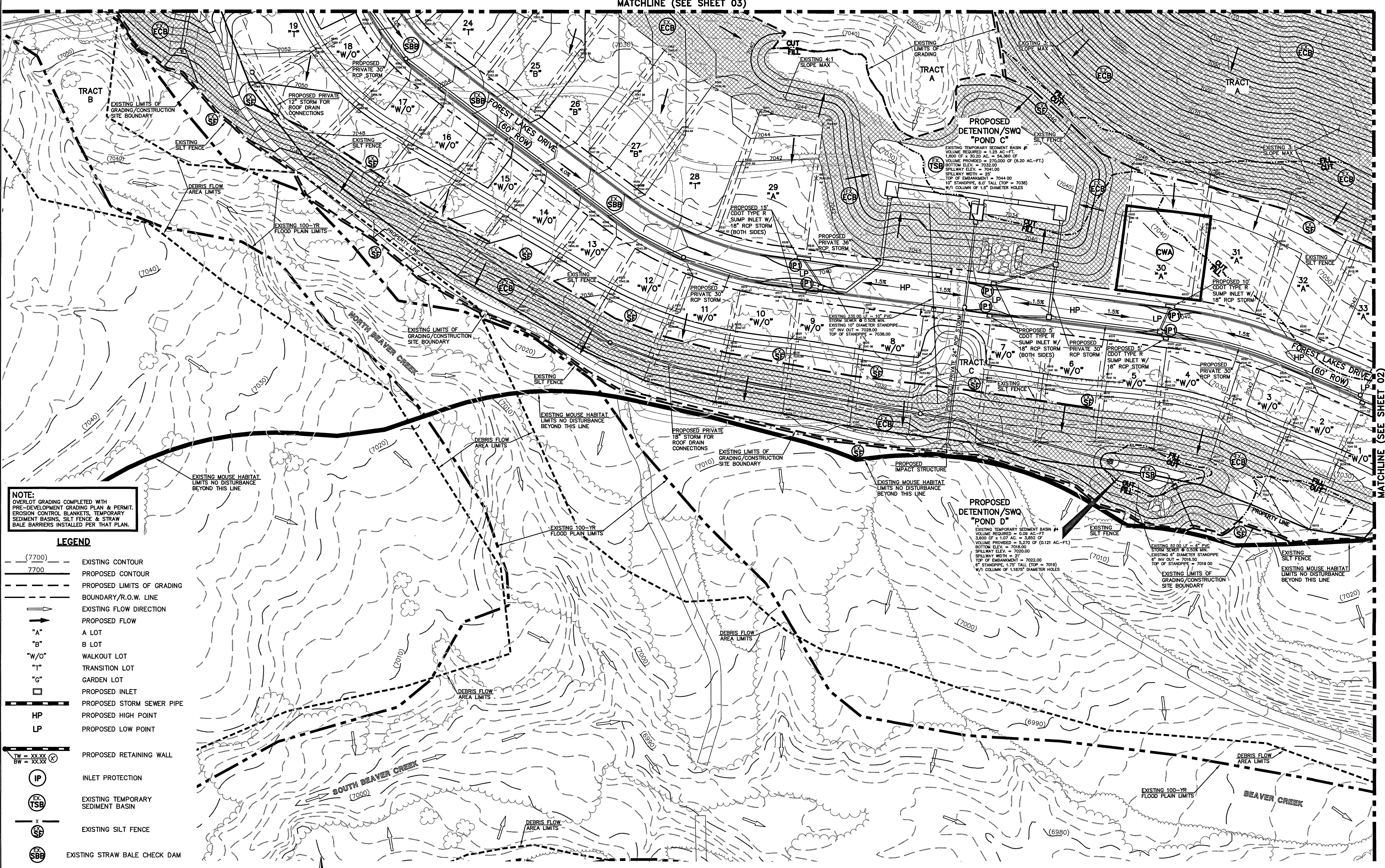


**CLASSIC CONSULTING**

FOREST LAKES FILING NO. 5  
CONSTRUCTION PLANS  
GRADING AND EROSION CONTROL PLAN

DESIGNED BY	MAL	SCALE	DATE	06/21/19
DRAWN BY	MES	(H) 1" = 50'	SHEET	3 OF 32
CHECKED BY	(V) 1" = N/A	JOB NO.	1175.50	

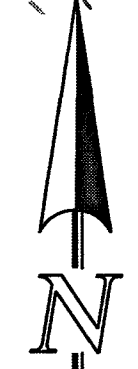
N:\117550\DRAWINGS\CONSTRUCTION\GRADING-EROSION\117550-05.dwg, 3/4/2020 12:12:50 PM, 1:1



NOTE:  
OVERLOT GRADING COMPLETED WITH  
PRE-DEVELOPMENT GRADING PLAN & PERMIT.  
EROSION CONTROL BLANKETS, TEMPORARY  
SEDIMENT BASINS, SILT FENCE & STRAW  
BALE BARRIERS INSTALLED PER THAT PLAN.

LEGEND

- (7700) --- EXISTING CONTOUR
- 7700 --- PROPOSED CONTOUR
- PROPOSED LIMITS OF GRADING
- 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
- HP PROPOSED HIGH POINT
- LP PROPOSED LOW POINT
- TW = XX.XX  
BW = XX.XX PROPOSED RETAINING WALL
- IP INLET PROTECTION
- EX TSB EXISTING TEMPORARY SEDIMENT BASIN
- EX SF EXISTING SILT FENCE
- EX SBB EXISTING STRAW BALE CHECK DAM
- EX ECB EXISTING EROSION CONTROL BLANKET
- EXISTING VEHICLE TRACKING CONTROL
- EXISTING VEGETATION



50' 25' 0 50' 100'  
SCALE: 1" = 50'

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CALL UTILITY LOCATORS  
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UTILITY NOTIFICATION CENTER OF COLORADO  
IT'S THE LAW  
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PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NO.	REVISION	DATE

REVIEW:  
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF  
CLASSIC CONSULTING ENGINEERS AND ARCHITECTS, LLC  
*Kyle R. Campbell*  
KYLE R. CAMPBELL, COLORADO LICENSE #29794  
DATE 3/27/20

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

FOREST LAKES FILING NO. 5  
CONSTRUCTION PLANS  
GRADING AND EROSION CONTROL PLAN

DESIGNED BY	MAL	SCALE	DATE	06/21/19
DRAWN BY	MES	(H) 1" = 50'	SHEET	4 OF 32
CHECKED BY	(V) 1" = N/A	JOB NO.	1175.50	



MATCHLINE (SEE SHEET 02)



**EL PASO COUNTY GRADING AND EROSION CONTROL NOTES:**

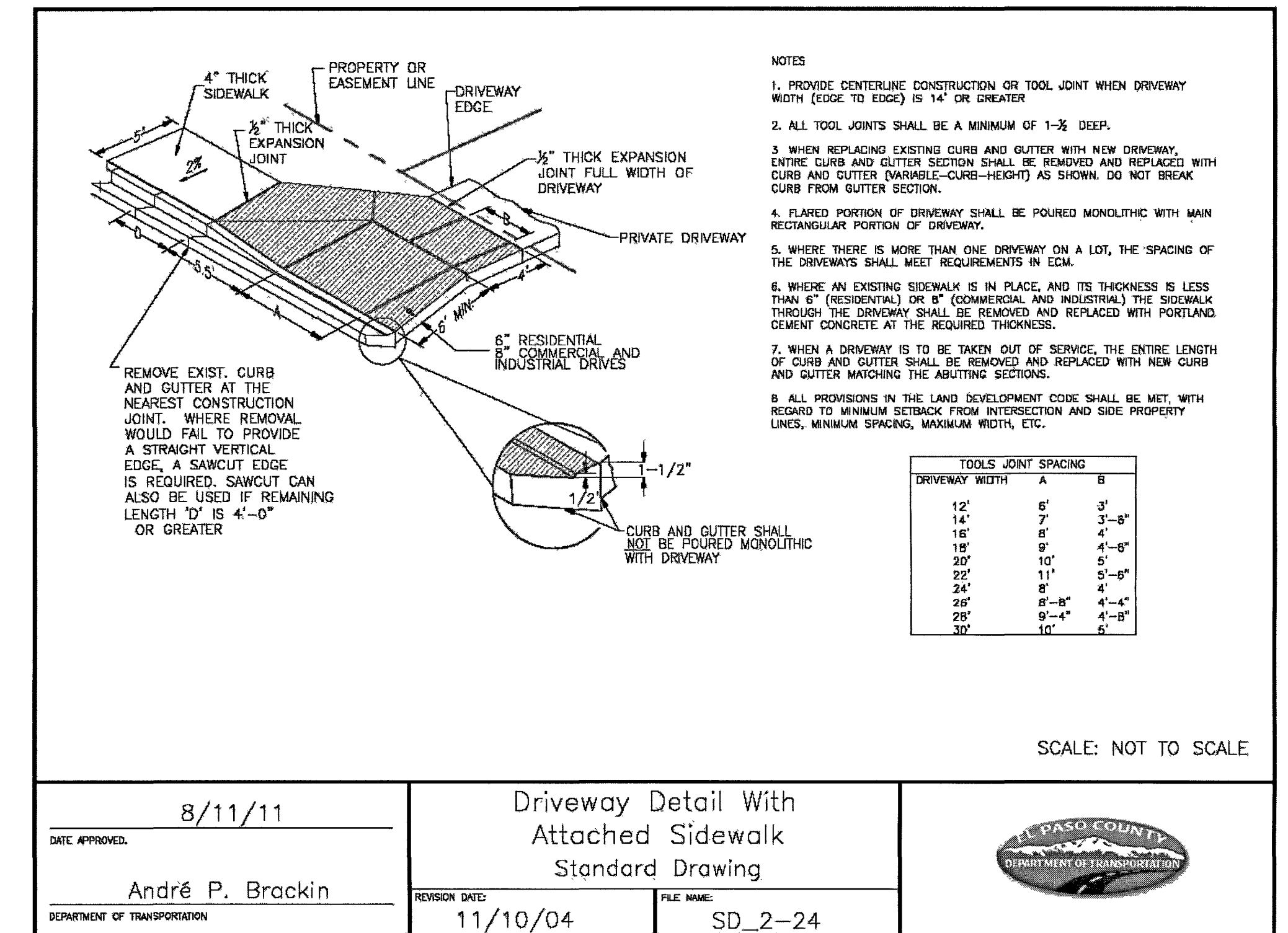
- STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
- NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS 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.
- A SEPARATE STORMWATER MANAGEMENT PLAN (SMWP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. MANAGEMENT OF THE SWMP DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QUALIFIED STORMWATER 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 ESQCP IS APPROVED AND A "NOTICE TO PROCEED" HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED GEC. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, 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 AT THE SITE 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 ESTABLISHED OR EQUIVALENT PERMANENT 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 ECM 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 EXPOSED AREA 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 SHOWN 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. IF COMPACTION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENED 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 ONSITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN 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 REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS ONSITE 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 ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (1041, NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF 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. 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 THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT  
WATER QUALITY CONTROL DIVISION  
WOOD - PERMITS  
4300 CHERRY CREEK DRIVE SOUTH  
DENVER, CO 80246-1530  
ATTN: PERMITS UNIT

Table B-6. Native Seed Mix for Rain Gardens <sup>1</sup>

Common Name	Scientific Name	Variety	PLS <sup>2</sup> lbs per Acre	Ounces per Acre
Sand bluestem	Andropogon hallii	Garden	3.5	
Sideoats grama	Bouteloua curtipendula	Butte	3	
Prairie sandreed	Calamovilfa longifolia	Goshen	3	
Indian ricegrass	Oryzopsis hymenoides	Paloma	3	
Switchgrass	Panicum virgatum	Blackwell	4	
Western wheatgrass	Pascopyrum smithii	Ariba	3	
Little bluestem	Schizachyrium scoparium	Patura	3	
Alkali sacaton	Sporobolus airoides		3	
Sand dropseed	Sporobolus cryptandrus		3	
Pasture sage <sup>1</sup>	Artemisia frugida			2
Blue aster <sup>1</sup>	Aster laevis			4
Blanket flower <sup>1</sup>	Gaillardia aristata			8
Prairie coneflower <sup>1</sup>	Ratibida columnifera			4
Purple prairieclover <sup>1</sup>	Dalca (Petalostemum) purpurea			4
Sub-Totals:			27.5	22
Total lbs per acre:				28.9

<sup>1</sup> Wildflower seed (optional) for a more diverse and natural look.  
<sup>2</sup> PLS = Pure Live Seed.



DATE APPROVED: 8/11/11  
 ANDRÉ P. BRACKIN  
 DEPARTMENT OF TRANSPORTATION

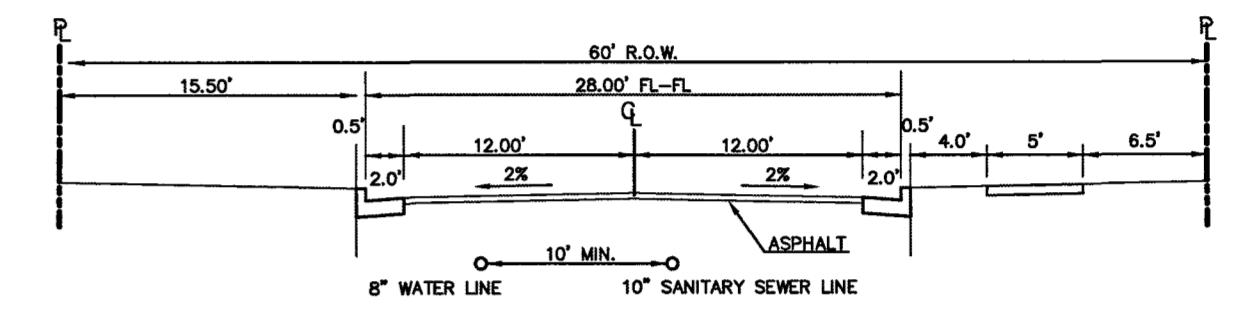
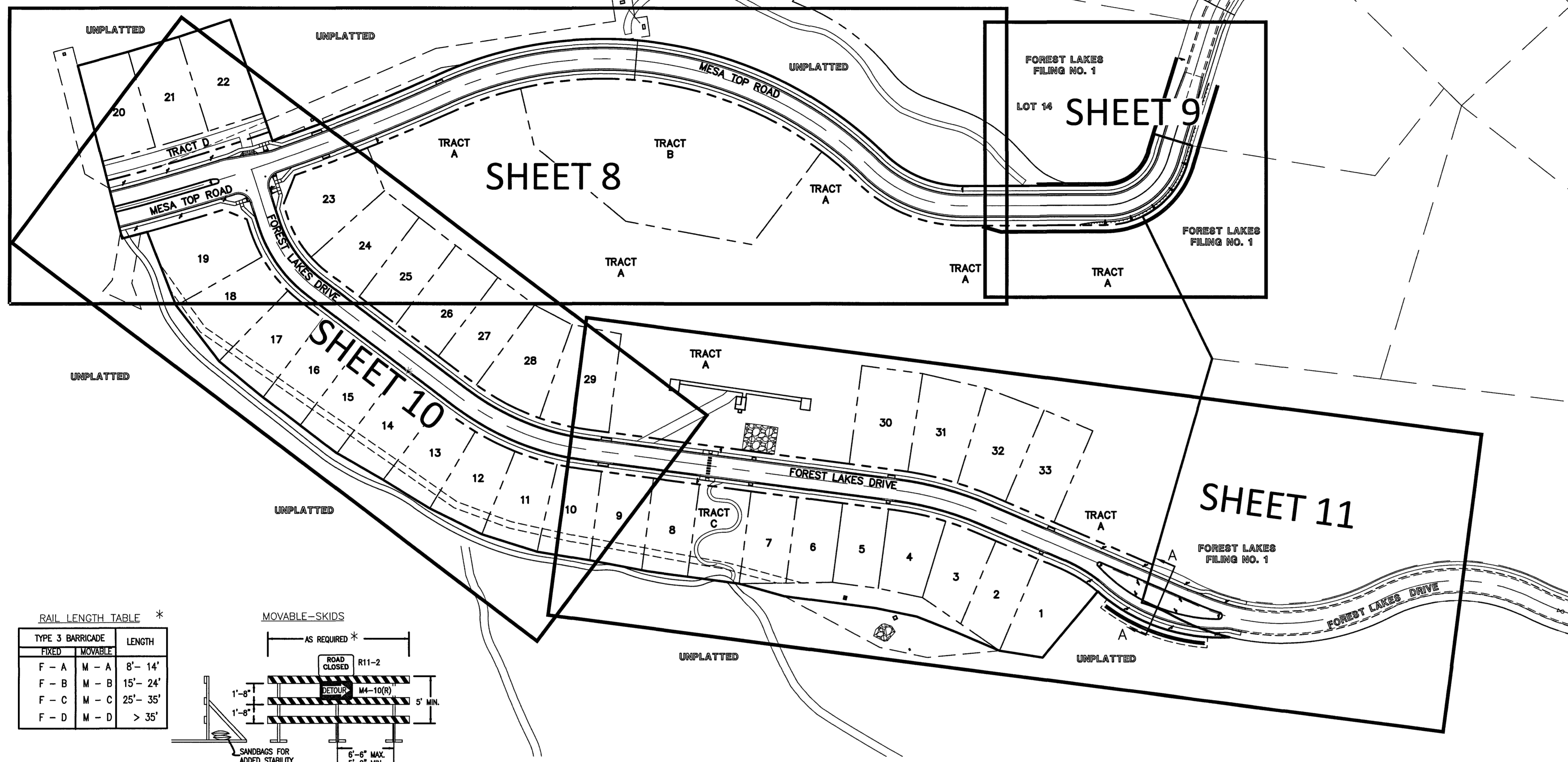
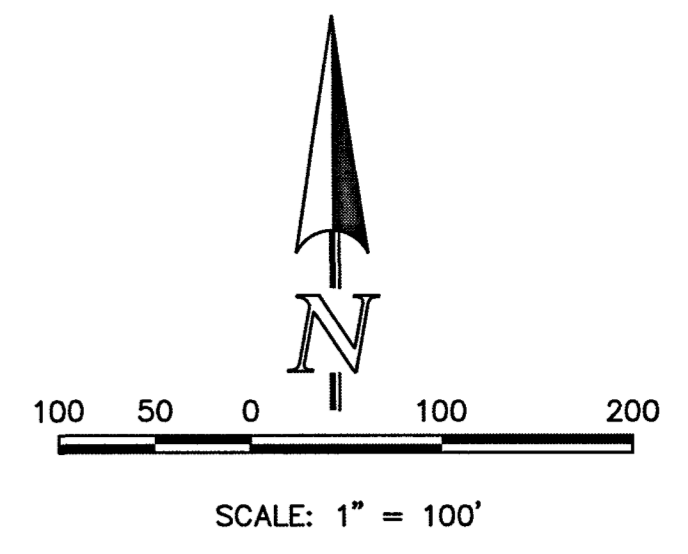
REVISION DATE: 11/10/04  
 FILE NAME: SD\_2-24

Driveway Detail With Attached Sidewalk Standard Drawing

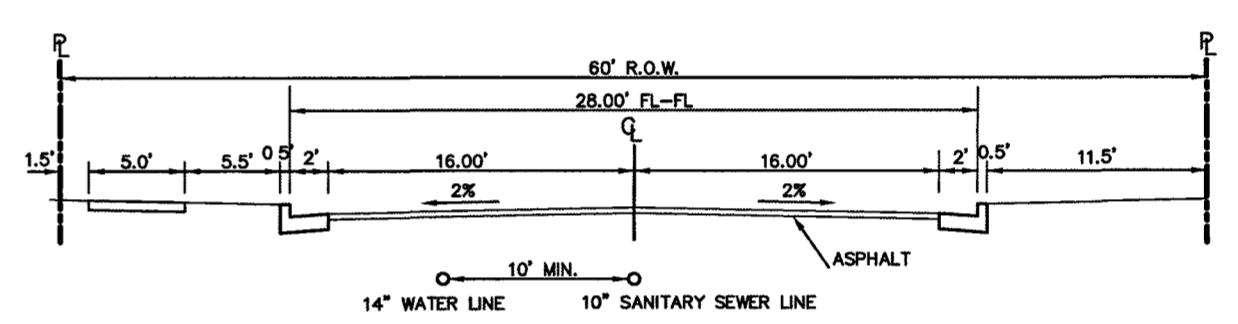
EL PASO COUNTY DEPARTMENT OF TRANSPORTATION

- CONSTRUCTION CONTROL MEASURES NOTES:**
- 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.
  - 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.
  - THE PROPOSED GRADING/EROSION CONTROL PLAN (SHEETS 2-4) SHOW AND CALL-OUT THE 'INTERIM' STAGE OF CONSTRUCTION CONTROL MEASURES.
  - '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.

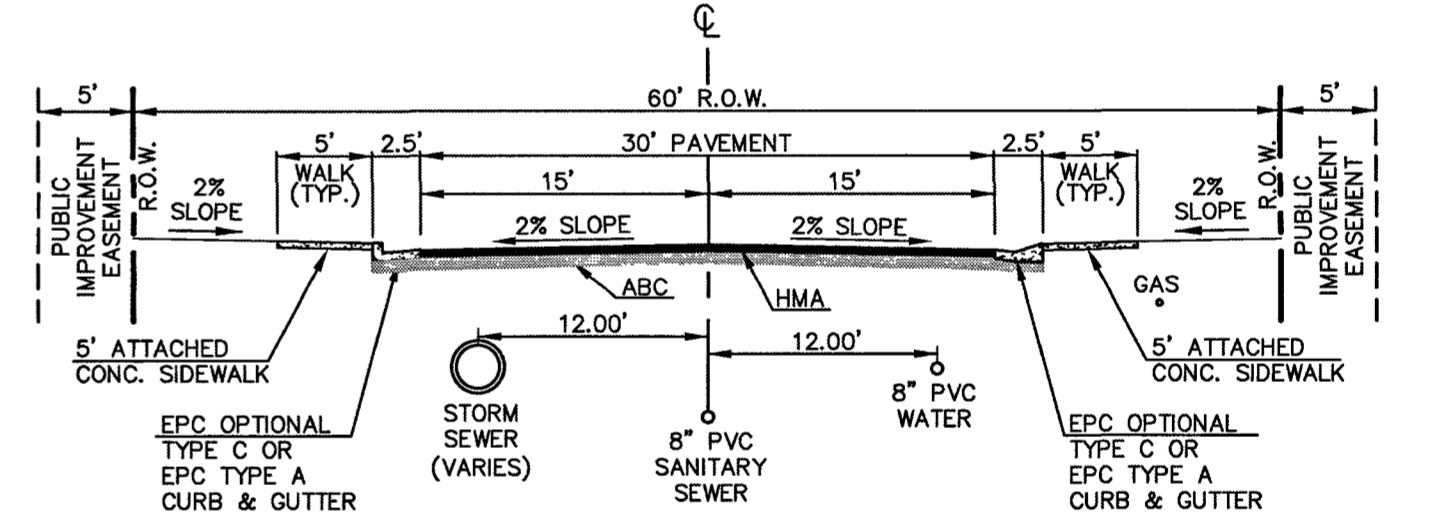
48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS <b>811</b> UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.	NO. REVISION	DATE	REVIEW:	PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC  619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903 (719)785-0790 (719)785-0799(fax)	FOREST LAKES FILING NO. 5 CONSTRUCTION PLANS GRADING AND EROSION CONTROL PLAN DETAIL SHEET DESIGNED BY: MAL DRAWN BY: MES CHECKED BY: (V) 1"= N/A SCALE: (H) 1"= N/A DATE: 06/21/19 SHEET 6 OF 32 JOB NO.: 1175.50
	KYLE R. CAMPBELL, COLORADO P.E. #29794 3/24/20 DATE	CLASSIC CONSULTING			



**MESA TOP DRIVE  
EXISTING STREET SECTION**  
SCALE 1" = 10'



**FOREST LAKES DRIVE  
EXISTING STREET SECTION**  
SCALE 1" = 10'



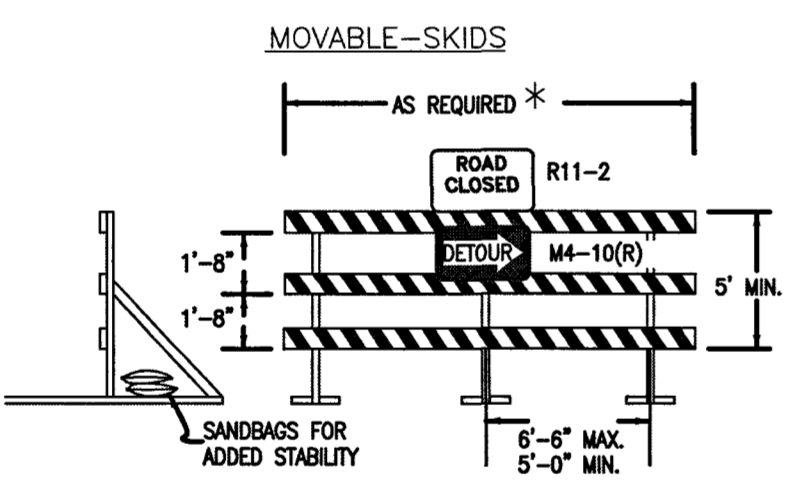
**60' R.O.W. TYPICAL STREET/UTILITY SECTION  
URBAN LOCAL ROADWAY**  
SCALE 1" = 10'

**ABBREVIATIONS:**

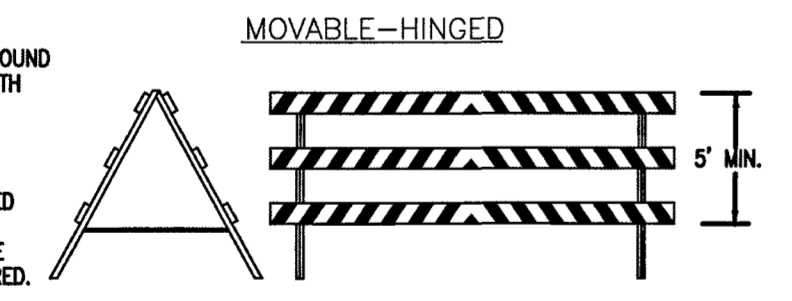
- EPC EL PASO COUNTY
- PVC POLYVINYL CHLORIDE PIPE
- R.O.W. RIGHT-OF-WAY
- HMA HOT MIX ASPHALT
- ABC AGGREGATE BASE COURSE
- CONC. CONCRETE
- SIA STATION
- C&G CURB & GUTTER
- MIN. MINIMUM
- FL FLOWLINE
- TYP. TYPICAL
- I.F.O.B. INSIDE FACE OF BOX

**RAIL LENGTH TABLE \***

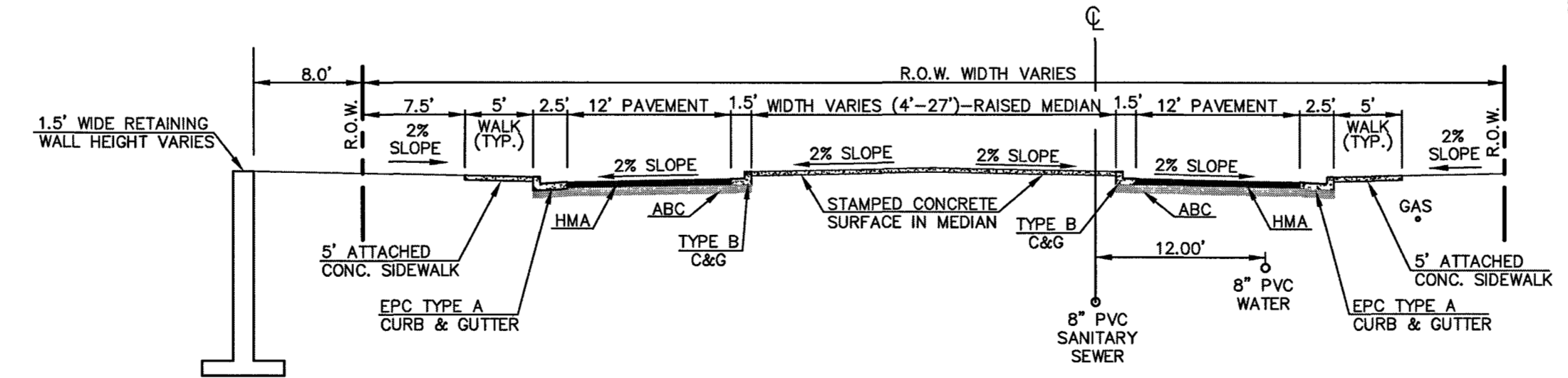
TYPE 3 BARRICADE		LENGTH
FIXED	MOVABLE	
F - A	M - A	8' - 14'
F - B	M - B	15' - 24'
F - C	M - C	25' - 35'
F - D	M - D	> 35'



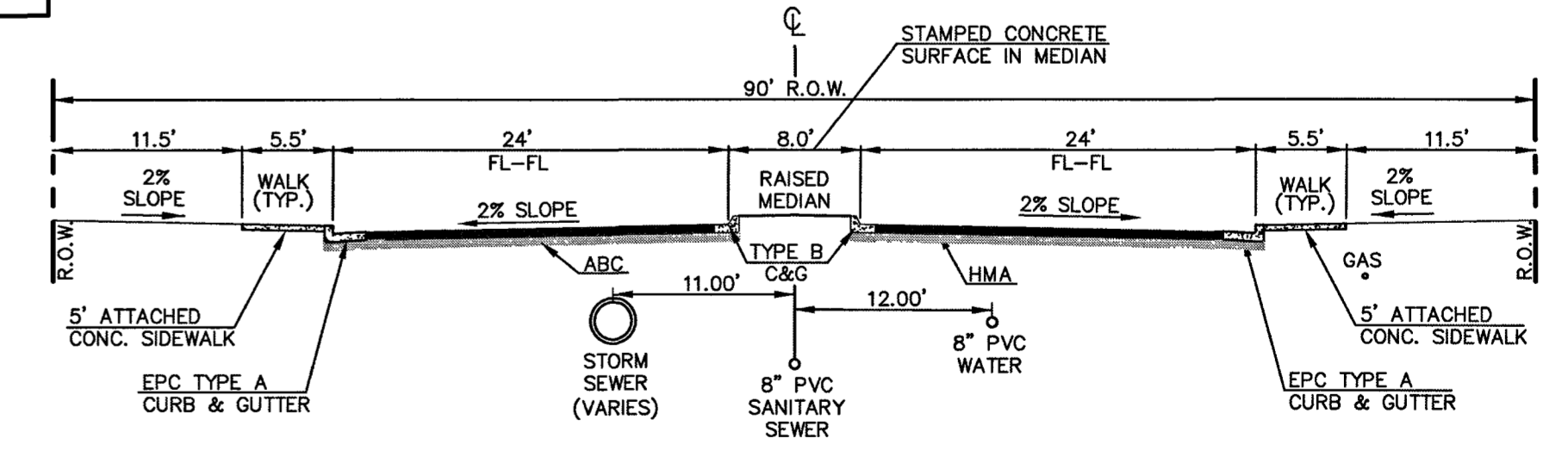
- NOTES**
- TYPE 3 BARRICADES HAVE 3 REFLECTORIZED RAIL FACES IF FACING TRAFFIC IN ONE DIRECTION AND 6 IF FACING TRAFFIC IN TWO DIRECTIONS.
  - THE PORTION OF THE POST ABOVE THE GROUND LINE SHALL BE PAINTED IN ACCORDANCE WITH THE APPROPRIATE GENERAL NOTE.
  - DETACHABLE EXTENSION WING RAILS FOR BYPASSING OF CONSTRUCTION EQUIPMENT ARE PERMITTED, WHEN NECESSARY, ON FIXED OR MOVABLE TYPE 3 BARRICADES. THE LENGTH SHALL BE ADEQUATE TO CLOSE THE BORROW PIT AND/OR SHOULDER AS REQUIRED.



**TYPICAL TYPE 3 BARRICADES**



**CROSS SECTION 'A-A'  
FOREST LAKES DRIVE**  
SCALE 1" = 10'



**90' R.O.W. TYPICAL STREET/UTILITY SECTION  
URBAN LOCAL ROADWAY**  
SCALE 1" = 10'

**NOTE:**  
ALL INTERNAL SIGNS SHALL BE 4" FONT LETTER SIZE.

**STOP (R1-1)**  
30"X30"

**Street Name (D-3)**  
30"X30"

**SPEED LIMIT 25 (R2-1)**  
24"X30"

**KEEP RIGHT (R4-7)**  
24"X30"

**PEDESTRIAN CROSSING (W11-2)**  
36"X36"

**TURN/ADVISORY SIGN - RIGHT (W1-1aR)**  
30"X30"

**TURN/ADVISORY SIGN - LEFT (W1-1aL)**  
30"X30"

**CHEVRON ALIGNMENT - RIGHT (W1-BR)**  
12"X18"

**CHEVRON ALIGNMENT - LEFT (W1-BL)**  
12"X18"

**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 MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS, LLC

*Kyle R. Campbell*  
KYLE R. CAMPBELL, COLORADO PROFESSIONAL ENGINEER  
29794

*John M. ...*  
DATE

**CLASSIC CONSULTING**

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

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

**FOREST LAKES FILING NO. 5  
PUBLIC STREET IMPROVEMENT PLAN  
KEY MAP W/TYPICAL STREET SECTIONS**

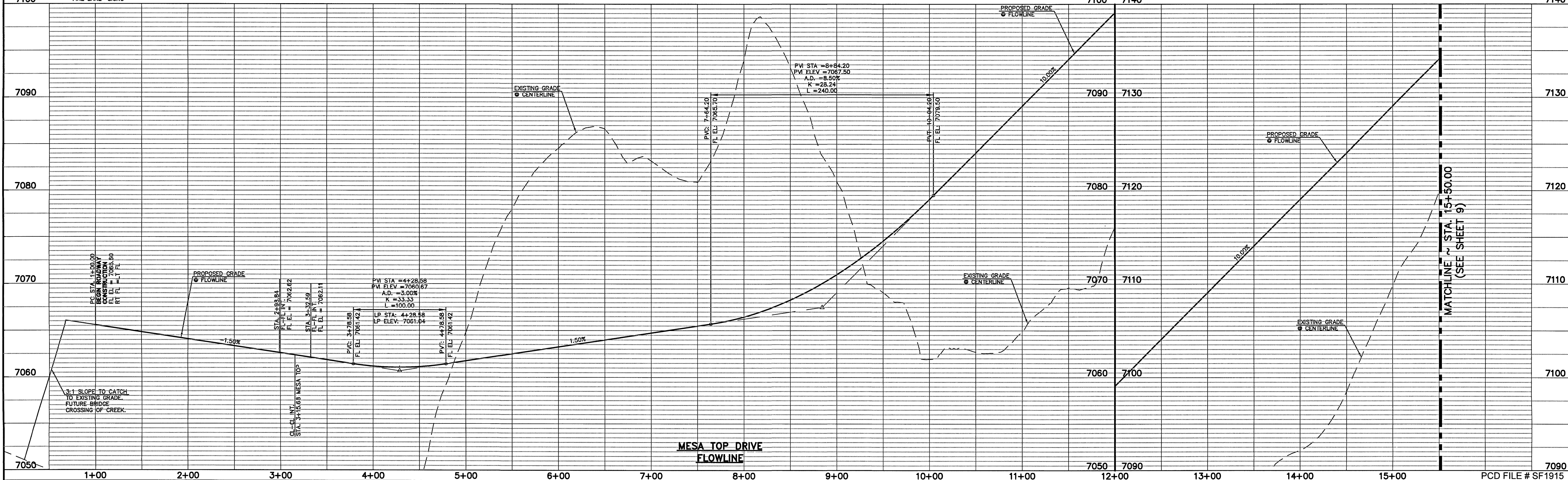
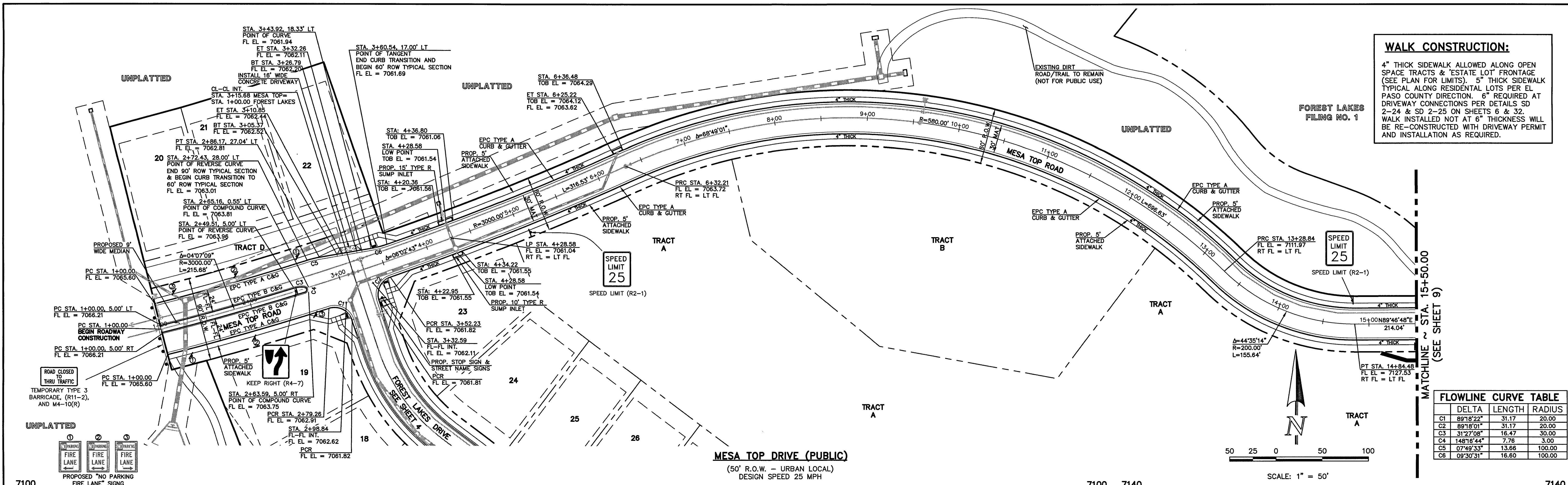
DESIGNED BY: MAL  
DRAWN BY: PRA  
CHECKED BY: (V)

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

DATE: 06-17-19  
SHEET 7 OF 32  
JOB NO.: 1175.50

PCD FILE # SF1915

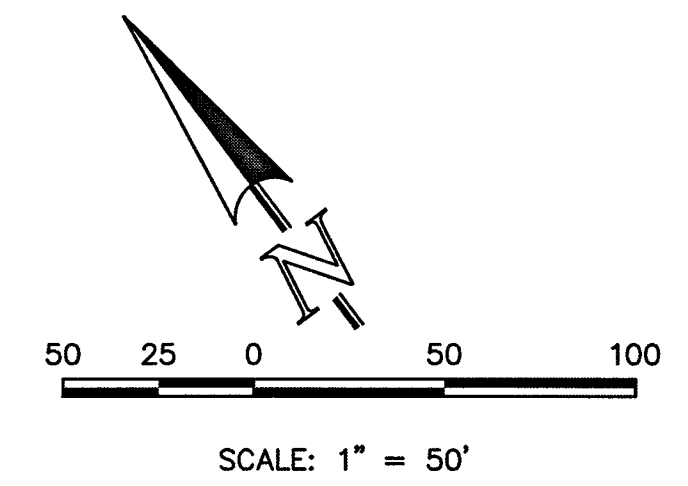
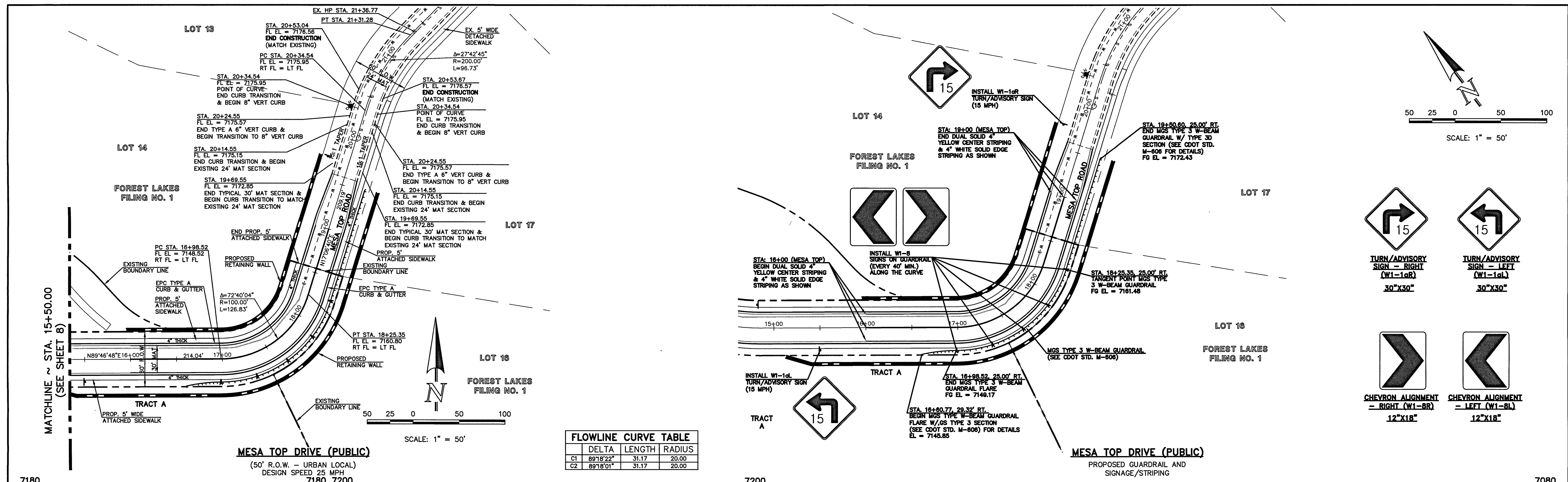
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<p>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS</p> <p><b>811</b></p> <p>UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW</p> <p>THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE 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>	<p>NO. REVISION</p> <p>5</p>	<p>DATE</p>	<p>REVIEW:</p> <p>PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND ARCHITECTS, LLC</p> <p><i>Kyle R. Campbell</i> KYLE R. CAMPBELL, COLORADO LICENSE # 29794</p>	<p>DATE</p> <p>3/2/20</p>	<p>FOREST LAKES FILING NO. 5 PUBLIC STREET IMPROVEMENT PLAN</p> <p>MESA TOP DRIVE - STA. 1+00.00 TO 15+50.00</p> <p>DESIGNED BY: MAL DRAWN BY: PRA CHECKED BY: (V)</p> <p>SCALE: (H) 1" = 50' (V) 1" = 5'</p> <p>DATE: 06-17-19 SHEET 8 OF 32 JOB NO.: 1175.50</p>	<p>PCD FILE # SF1915</p> <p><b>CLASSIC CONSULTING</b></p> <p>619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903 (719)785-0790 (719)785-0799(Fax)</p>
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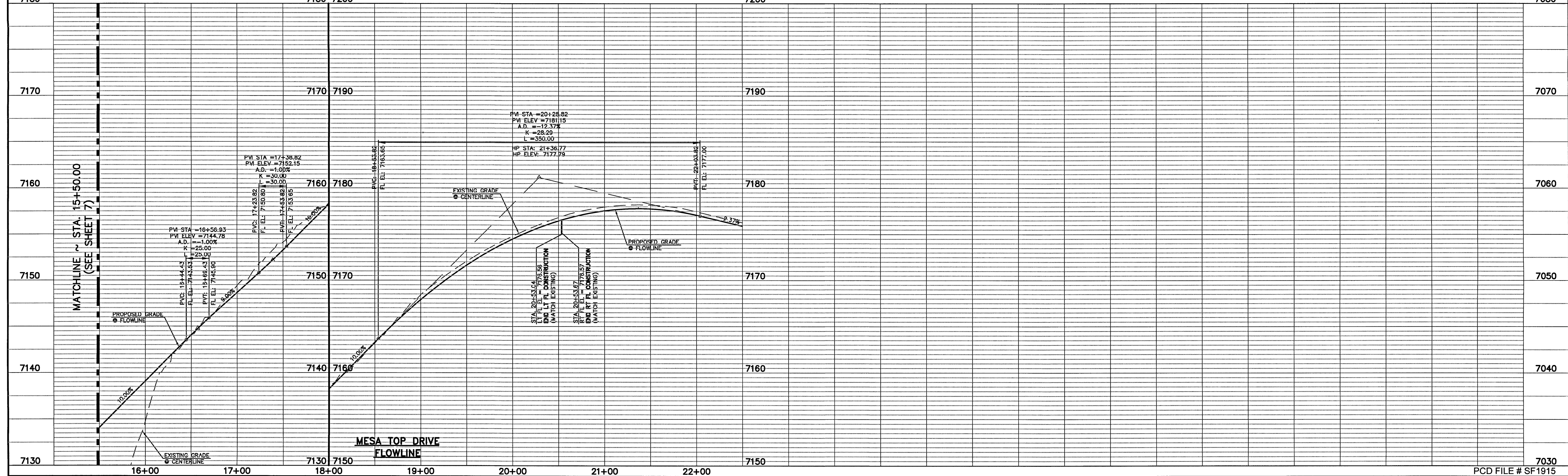
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**FLOWLINE CURVE TABLE**

	DELTA	LENGTH	RADIUS
C1	89°18'22"	31.17	20.00
C2	89°18'01"	31.17	20.00



MATCHLINE ~ STA. 15+50.00 (SEE SHEET 8)

MATCHLINE ~ STA. 15+50.00 (SEE SHEET 7)

48 HOURS BEFORE YOU DIG,  
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NO.	REVISION	DATE

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS, INC.

*Kyle R. Campbell*  
KYLE R. CAMPBELL, COLORADO  
DATE: 3/2/20

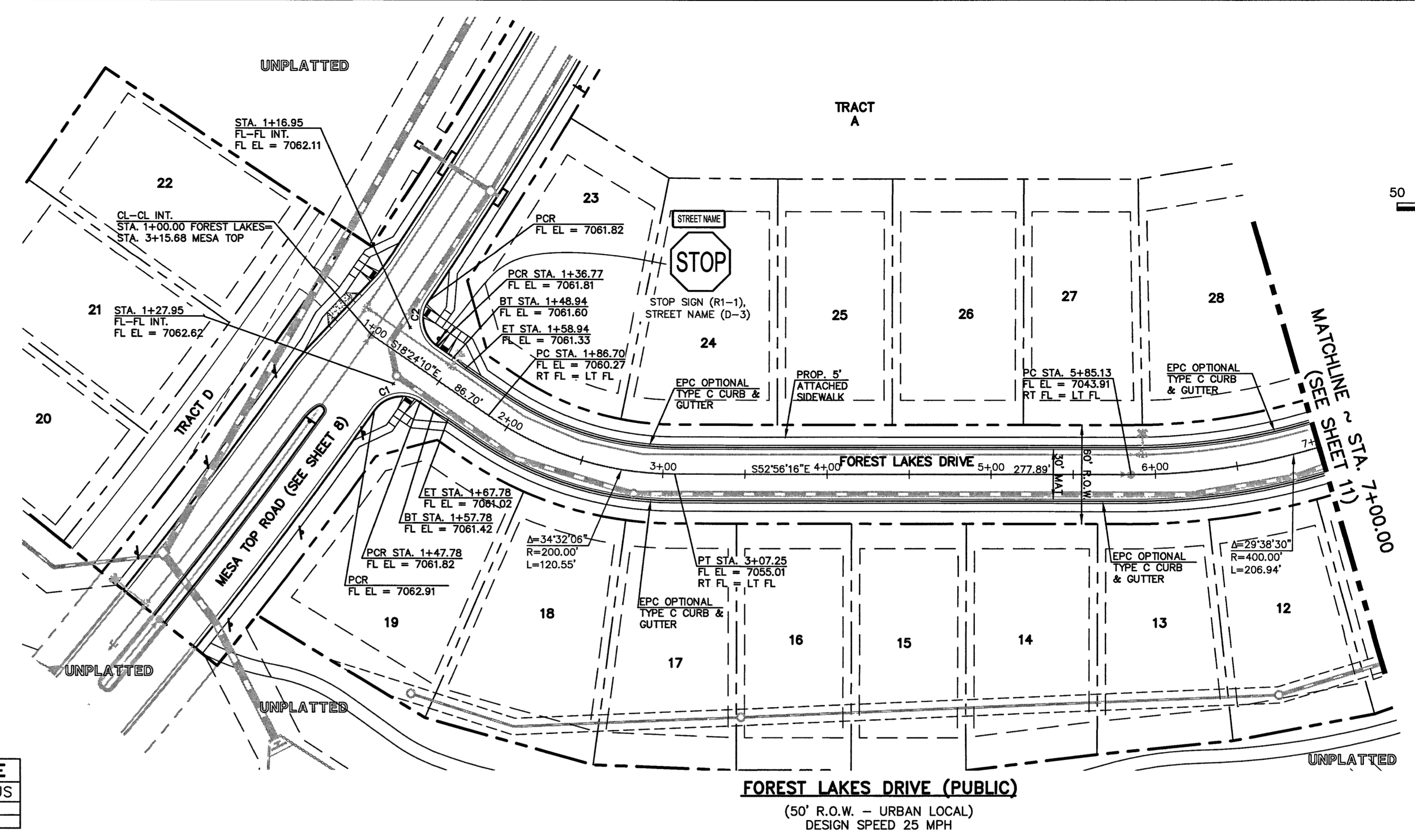
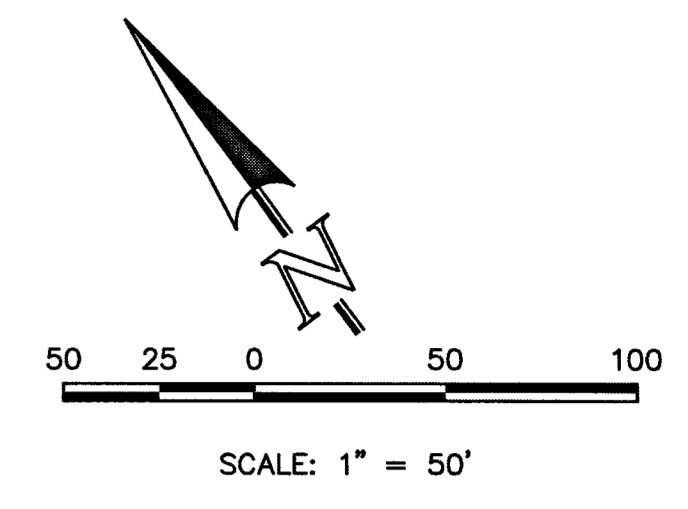


FOREST LAKES FILING NO. 5  
PUBLIC STREET IMPROVEMENT PLAN  
MESA TOP DRIVE - STA. 15+50.00 TO 20+53.67  
MESA TOP DRIVE - SIGNAGE & STRIPING

DESIGNED BY	MAL	SCALE	DATE	06-17-19
DRAWN BY	PRA	(H) 1" = 50'	SHEET	9 OF 32
CHECKED BY	(V) 1" = 5'	JOB NO.	1175.50	

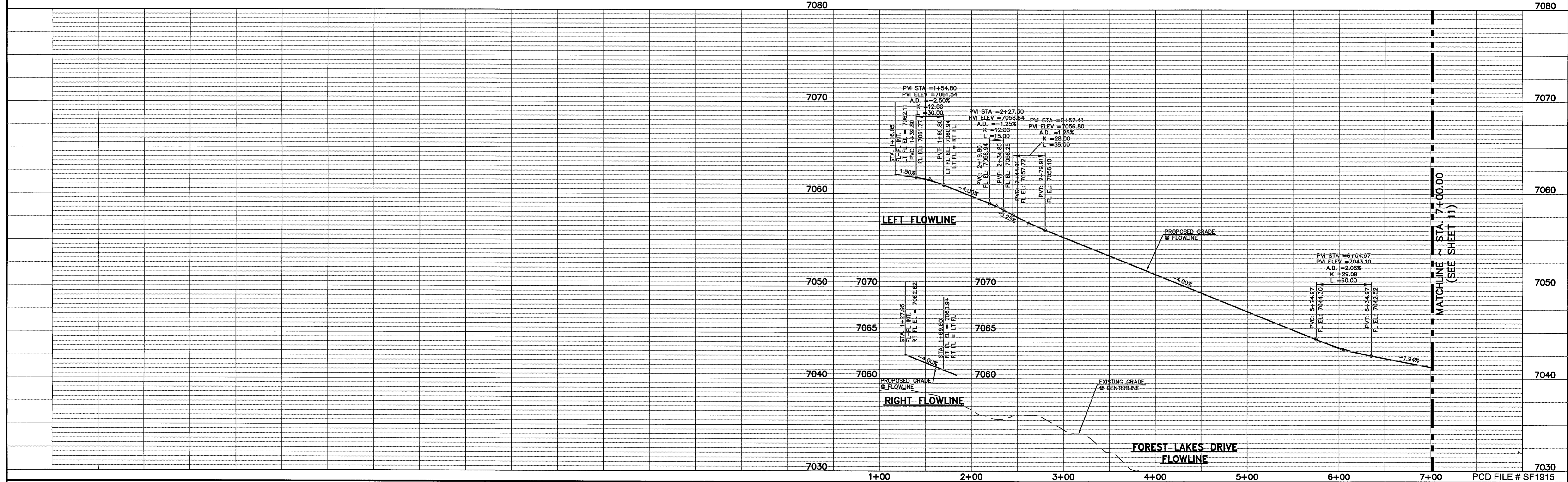
PCD FILE # SF1915

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FLOWLINE CURVE TABLE			
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C1	89°18'22"	31.17	20.00
C2	89°18'01"	31.17	20.00

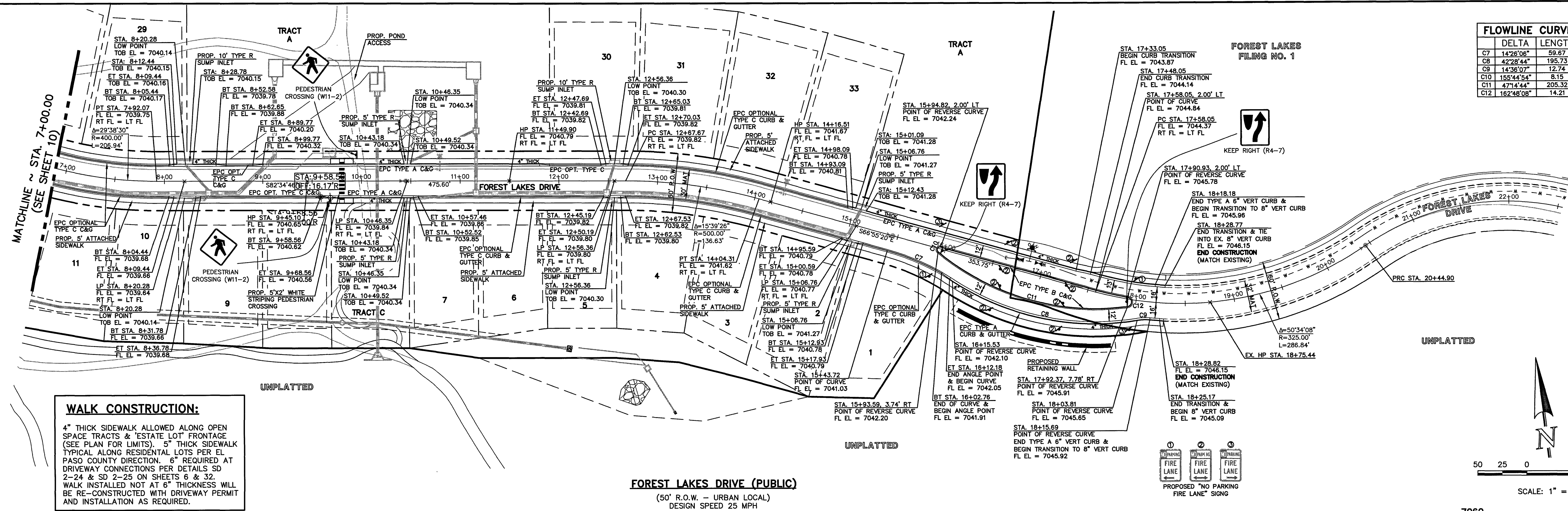
**FOREST LAKES DRIVE (PUBLIC)**  
(50' R.O.W. - URBAN LOCAL)  
DESIGN SPEED 25 MPH



<p>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS</p> <p style="text-align: center;"><b>811</b></p> <p>UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW</p> <p><small>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.</small></p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>NO. REVISION</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	NO. REVISION	DATE							<p>REVIEW:</p> <p><small>PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND ARCHITECTS, LLC</small></p> <p style="text-align: center;"><i>Kyle R. Campbell</i></p> <p style="text-align: center;"><small>KYLE R. CAMPBELL, COLORADO CRE # 29794</small></p>	<div style="text-align: center;"> <p><b>CLASSIC CONSULTING</b></p> <p><small>619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903</small></p> <p><small>(719) 785-0790 (719) 785-0799 (Fax)</small></p> </div>	<p><b>FOREST LAKES FILING NO. 5</b> <b>PUBLIC STREET IMPROVEMENT PLAN</b> FOREST LAKES DRIVE-STA. 1+00.00 TO 7+00.00</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>DESIGNED BY</td> <td>MAL</td> <td>SCALE</td> <td>DATE</td> </tr> <tr> <td>DRAWN BY</td> <td>PRA</td> <td>(H) 1" = 50'</td> <td>06-17-19</td> </tr> <tr> <td>CHECKED BY</td> <td>(V) 1" = 5'</td> <td>SHEET 10 OF 32</td> <td>JOB NO. 1175.50</td> </tr> </table>	DESIGNED BY	MAL	SCALE	DATE	DRAWN BY	PRA	(H) 1" = 50'	06-17-19	CHECKED BY	(V) 1" = 5'	SHEET 10 OF 32	JOB NO. 1175.50
NO. REVISION	DATE																							
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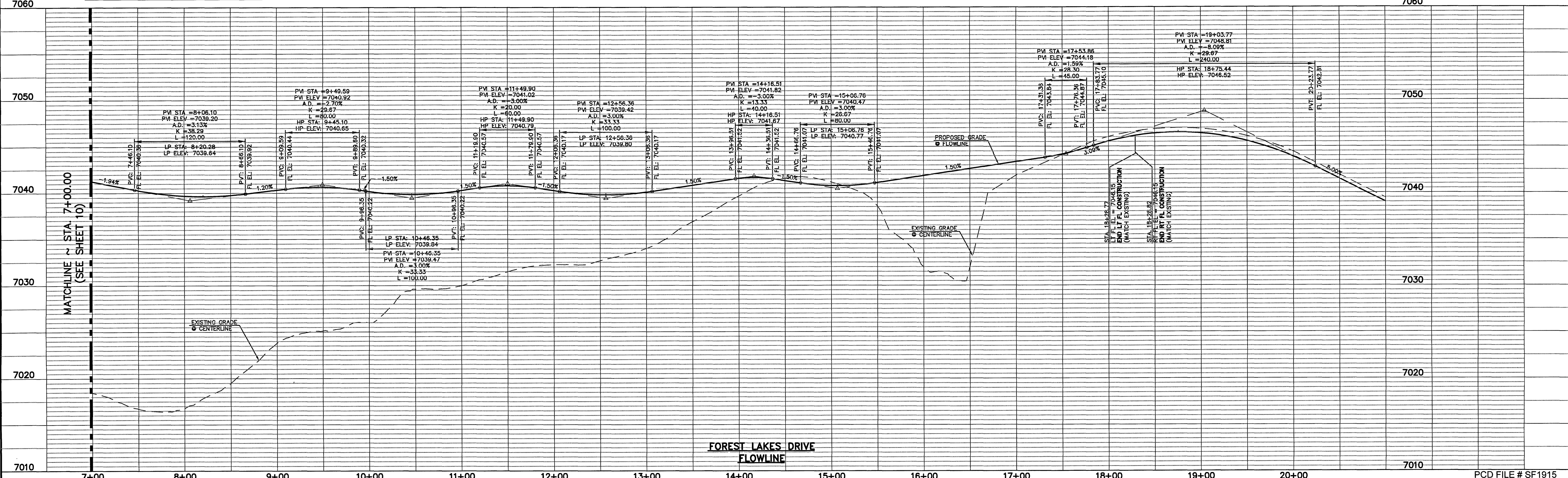
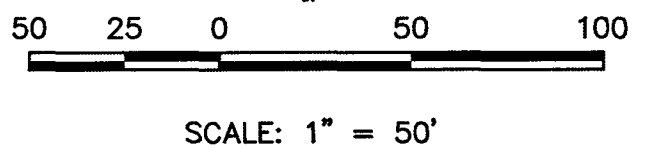
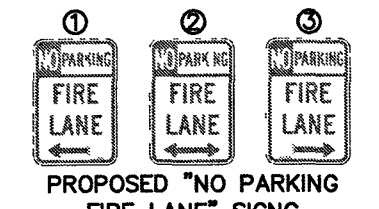
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FLOWLINE CURVE TABLE			
	DELTA	LENGTH	RADIUS
C7	14°28'06"	59.67	236.83
C8	42°28'44"	195.73	264.00
C9	14°36'07"	12.74	50.00
C10	155°44'54"	8.15	3.00
C11	47°14'44"	205.32	249.00
C12	162°48'08"	14.21	5.00



**WALK CONSTRUCTION:**  
 4" THICK SIDEWALK ALLOWED ALONG OPEN SPACE TRACTS & ESTATE LOT FRONTAGE (SEE PLAN FOR LIMITS). 6" 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 SHEETS 6 & 32. WALK INSTALLED NOT AT 6" THICKNESS WILL BE RE-CONSTRUCTED WITH DRIVEWAY PERMIT AND INSTALLATION AS REQUIRED.

**FOREST LAKES DRIVE (PUBLIC)**  
 (50' R.O.W. - URBAN LOCAL)  
 DESIGN SPEED 25 MPH

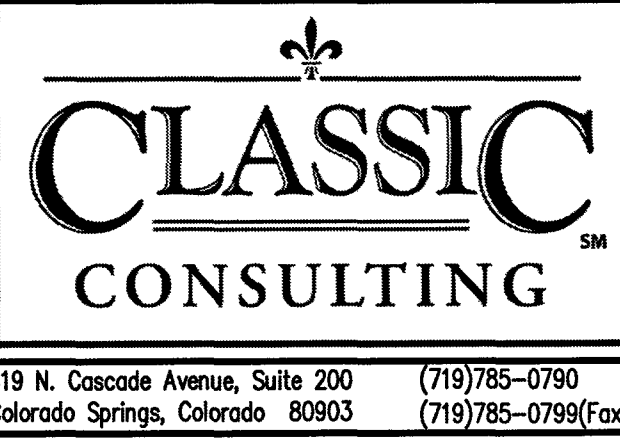


**FOREST LAKES DRIVE FLOWLINE**

48 HOURS BEFORE YOU DIG,  
 CALL UTILITY LOCATORS  
**811**  
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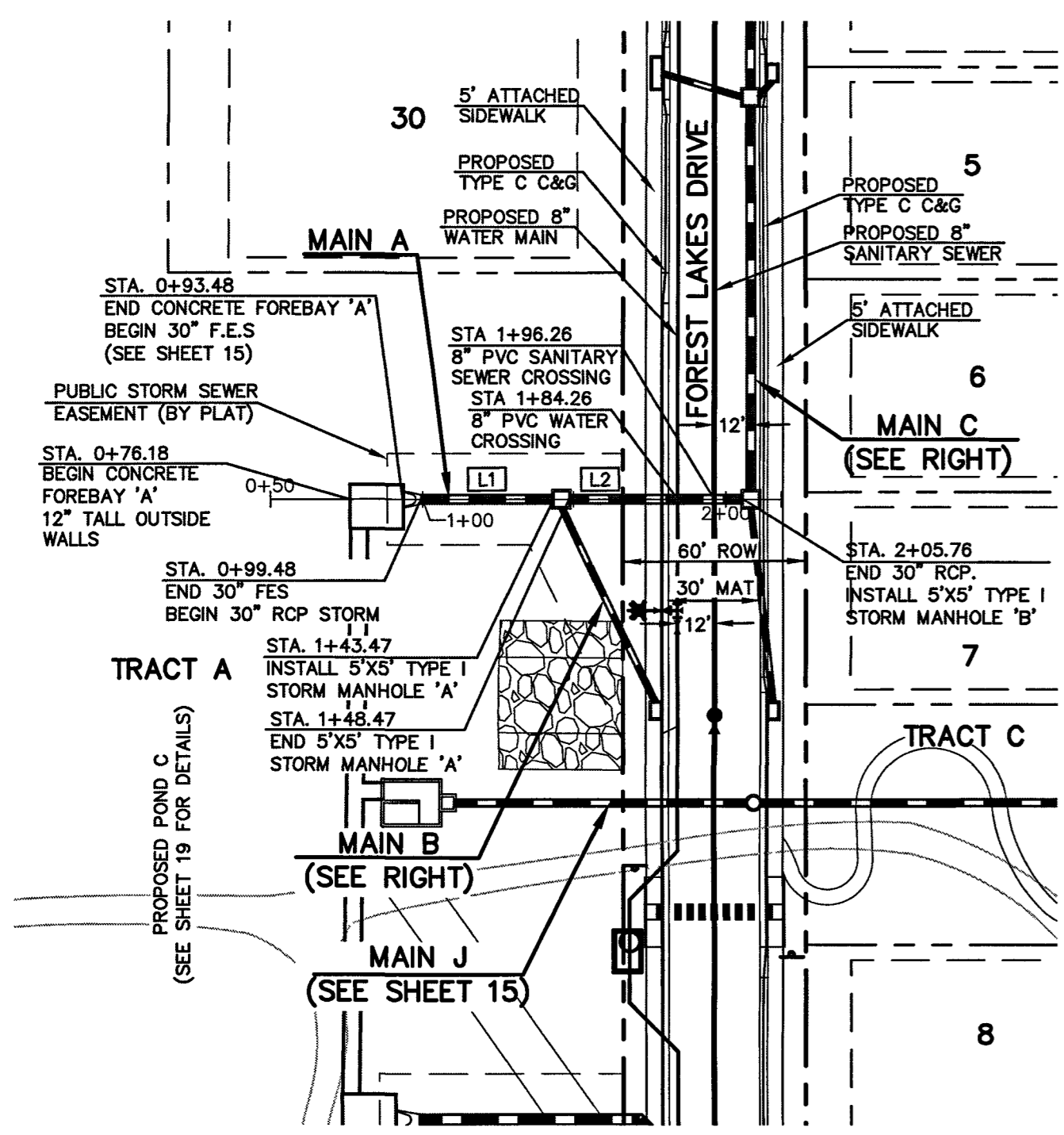
NO. REVISION	DATE	REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF  
 CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC  
 Kyle R. Campbell, Colorado Professional Engineer  
 29794  
 DATE: 3/21/20

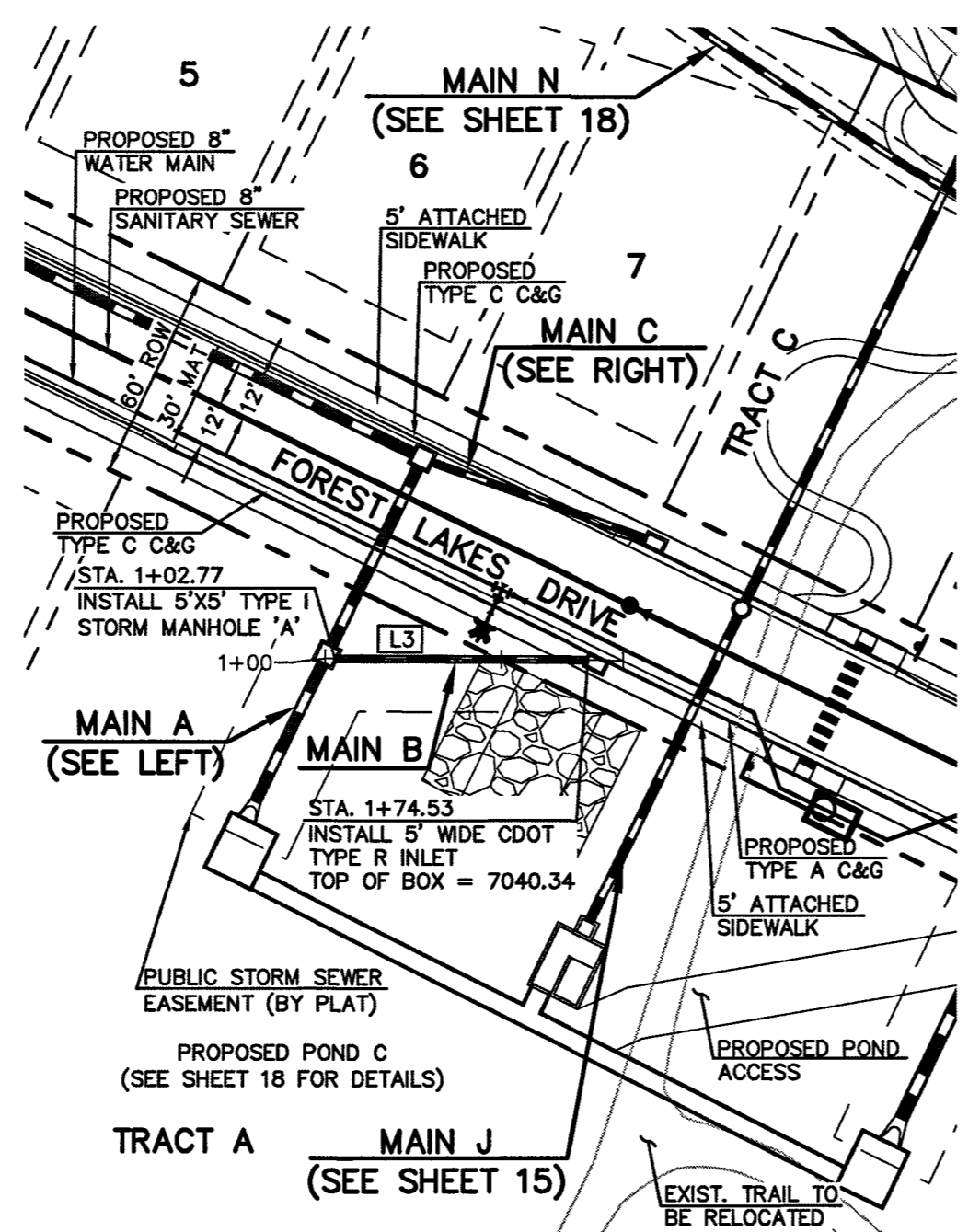


**FOREST LAKES FILING NO. 5  
 PUBLIC STREET IMPROVEMENT PLAN**  
 FOREST LAKES DRIVE - STA. 7+00.00 TO 18+28.82  
 DESIGNED BY: MAL SCALE: DATE: 06-17-19  
 DRAWN BY: PRA (H) 1" = 50' SHEET 11 OF 32  
 CHECKED BY: (V) 1" = 5' JOB NO. 1175.50

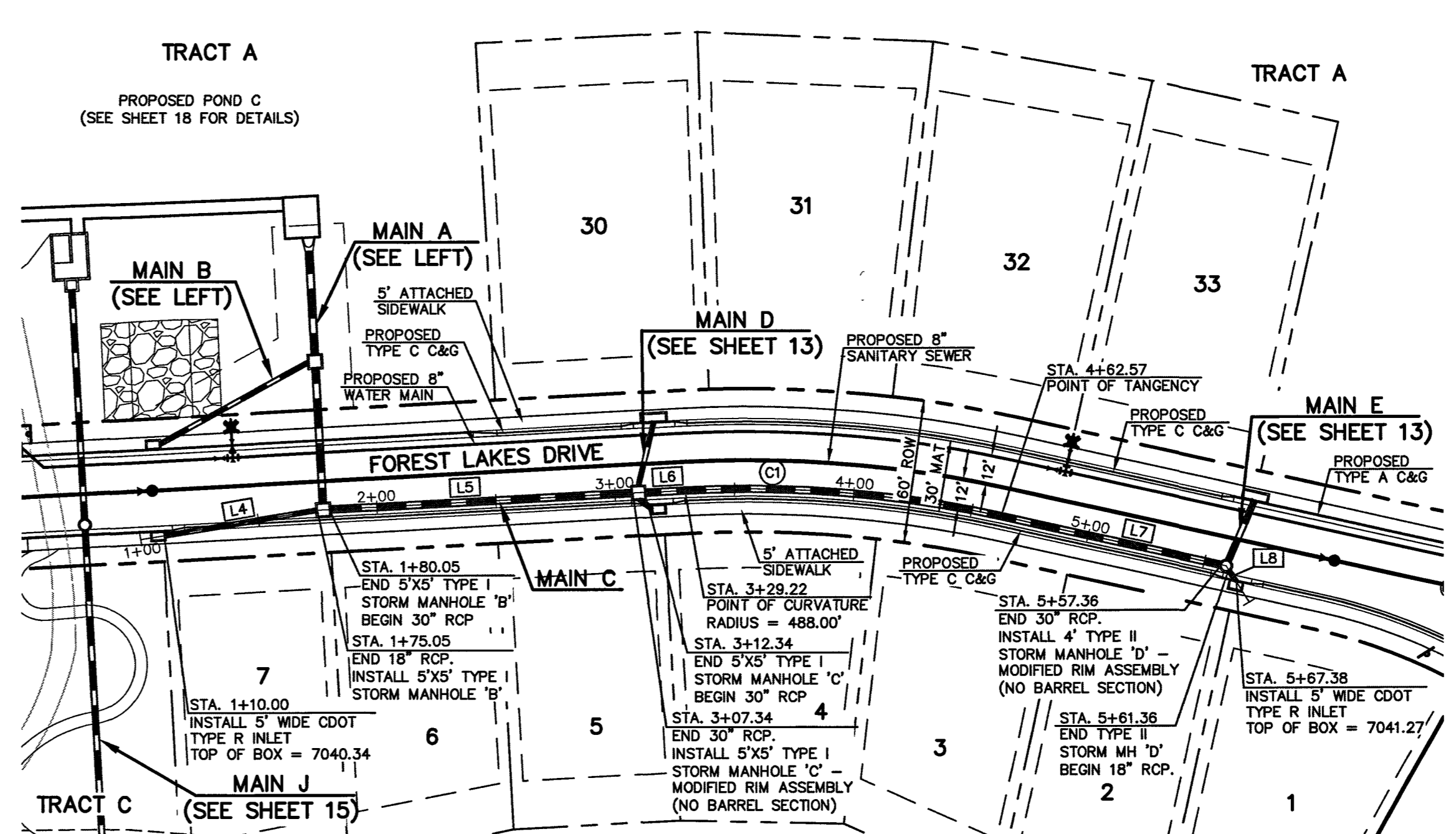
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PROPOSED PUBLIC 30" RCP - STORM MAIN A



PROPOSED PUBLIC 18" RCP - STORM MAIN B



PROPOSED PUBLIC 18"/ 30" RCP - STORM MAIN C

**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

50 25 0 50 100  
SCALE: 1" = 50' HORIZ./ 1" = 5' VERT.

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

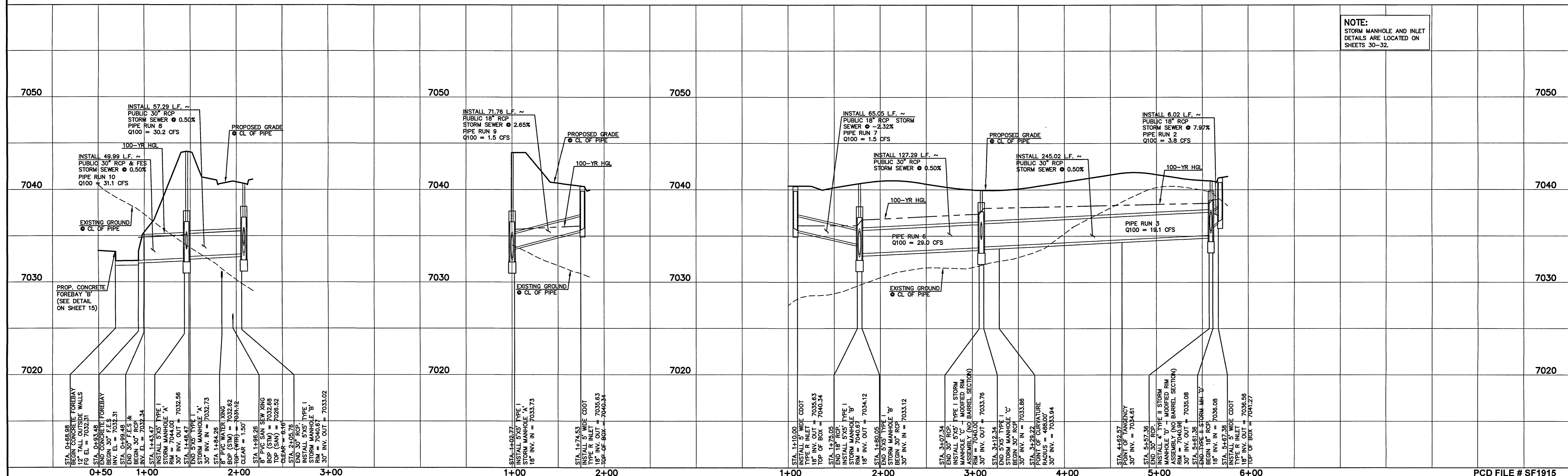
**NOTE:**  
ALL STORM SEWER WITH 100-YR HGL ABOVE THE TOP OF PIPE SHALL BE INSTALLED WITH PRESSURE PIPE AND WATERTIGHT JOINTS WITH A 100-YEAR SERVICE LIFE.

**STORM LINE TABLE**

LENGTH	BEARING
L1 43.99'	S07°25'14"W
L2 57.28'	S07°25'14"W
L3 71.75'	S71°43'24"W
L4 65.05'	S88°54'26"E
L5 127.29'	S82°34'46"E
L6 16.88'	S82°34'46"E
L7 94.78'	S66°55'20"E
L8 6.02'	S21°55'20"E

**STORM CURVE TABLE**

LENGTH	RADIUS	DELTA
C1 133.36'	488.00'	15°39'26"



**NOTE:**  
STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 30-32.

**REVIEW:**  
STREET DESIGN FOR CITY ENGINEERING:  
UTILITY GRADE REVIEW \_\_\_\_\_ DATE \_\_\_\_\_  
TRAFFIC SIGNAGE & STRIPING \_\_\_\_\_ DATE \_\_\_\_\_  
CURB & GUTTER REVIEW \_\_\_\_\_ DATE \_\_\_\_\_  
FINAL REVIEW \_\_\_\_\_ DATE \_\_\_\_\_  
DRAINAGE DESIGN: \_\_\_\_\_ DATE \_\_\_\_\_  
THIS IS FILED IN ACCORDANCE WITH SECTION 7.7.906 (DRAINAGE ORDINANCE) OF THE CODE OF THE CITY OF COLORADO SPRINGS 2001, AS AMENDED

**DESIGN DATA:**  
SIDEWALKS: WIDTH: \_\_\_\_\_ LOCATION:  Attached  Detached  
CURB TYPE:  1  5  3  
R/W WIDTH \_\_\_\_\_ MAT WIDTH \_\_\_\_\_  
STREET TYPE \_\_\_\_\_ HVEEM \_\_\_\_\_

**PAVEMENT:**  
TYPE: HMA  PCC   
THICKNESS \_\_\_\_\_  
COMPOSITE SECTION \_\_\_\_\_  
HMA \_\_\_\_\_  
BASE \_\_\_\_\_  
SUBGRADE STABILIZATION: \_\_\_\_\_  
CHEMICAL:  MECH.:   
TYPE: \_\_\_\_\_  
THICKNESS \_\_\_\_\_

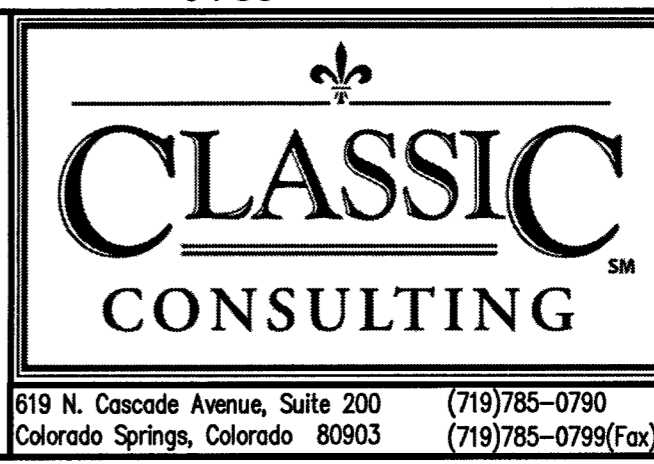
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NO. REVISION	DATE

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

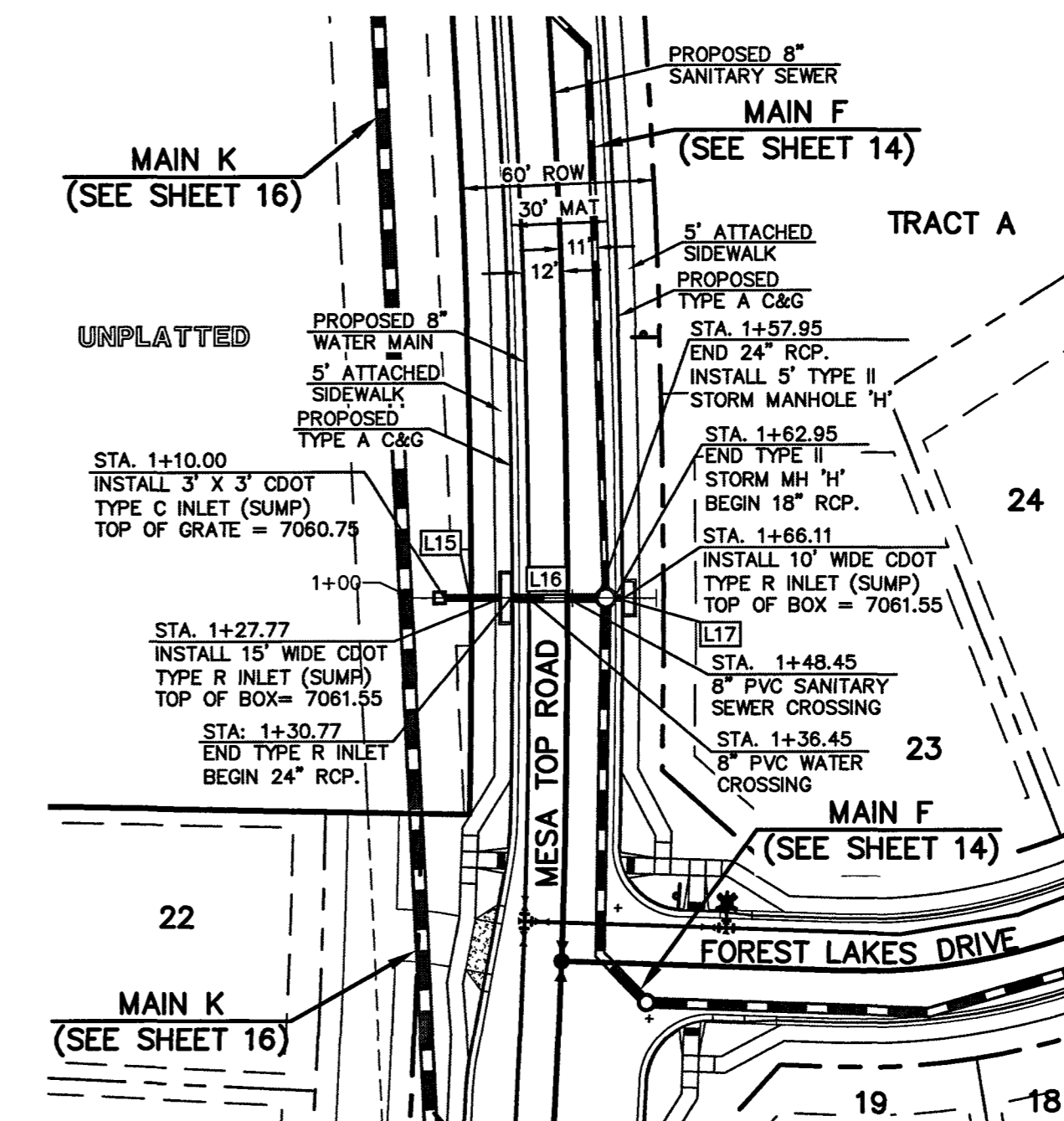
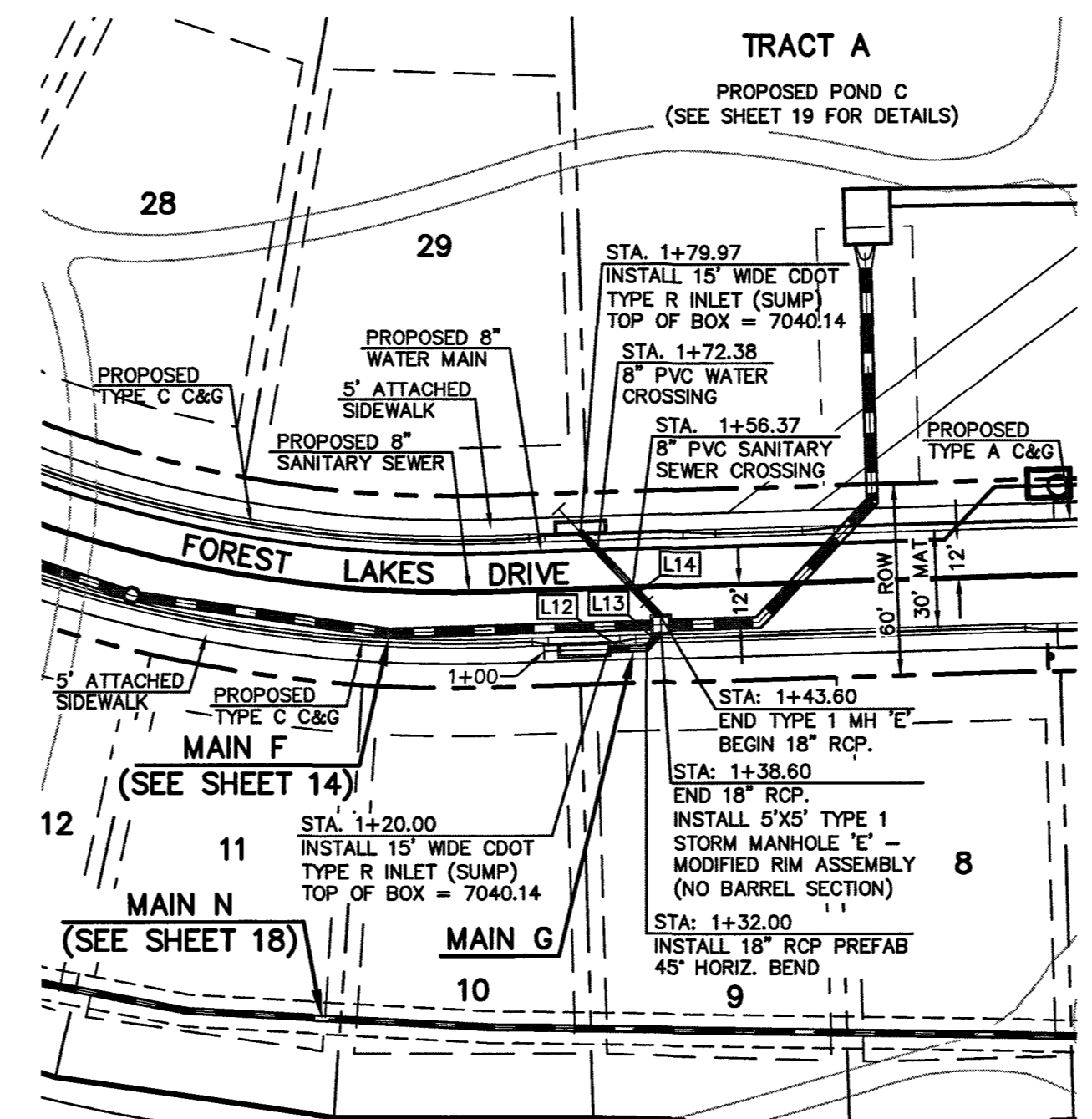
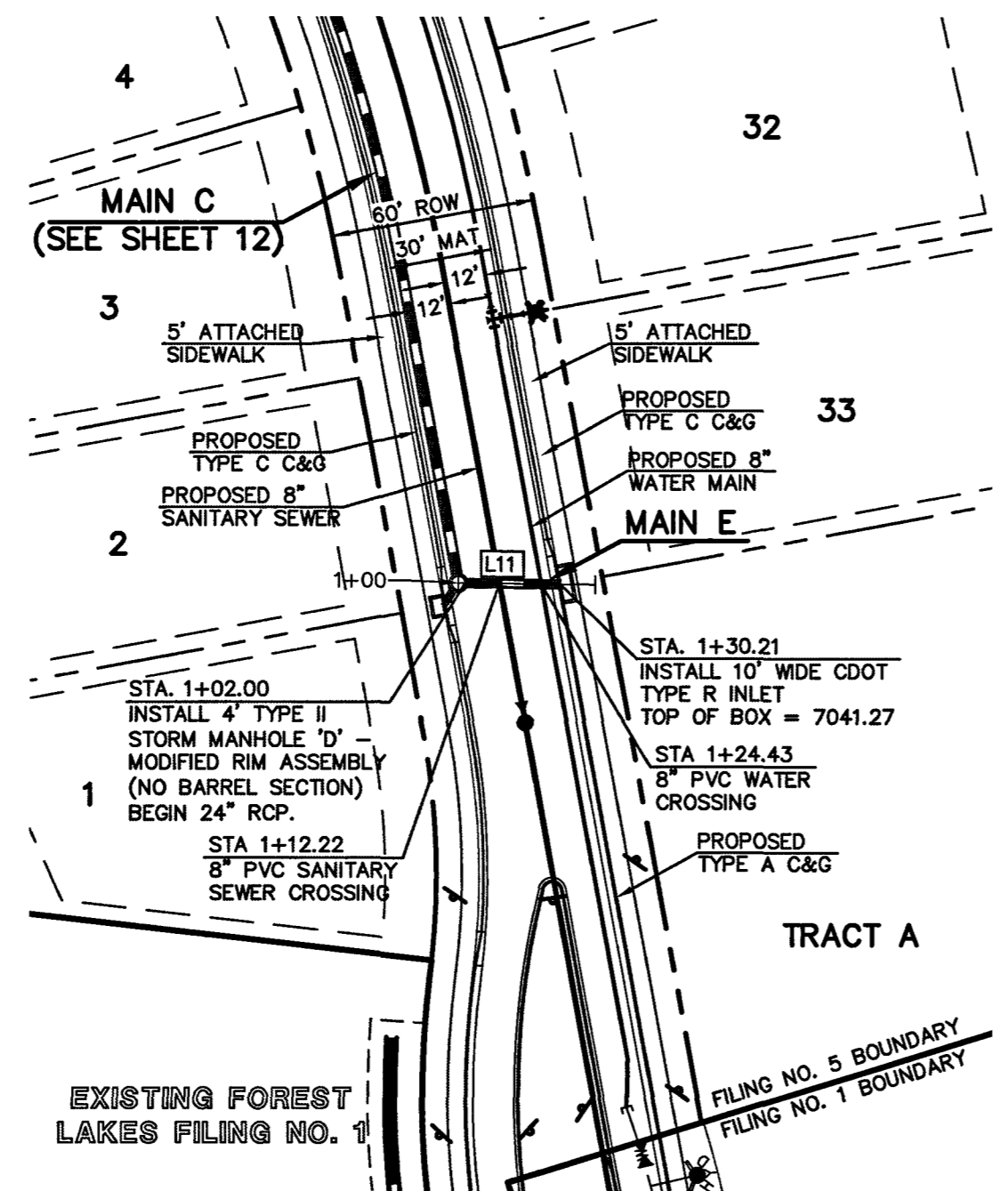
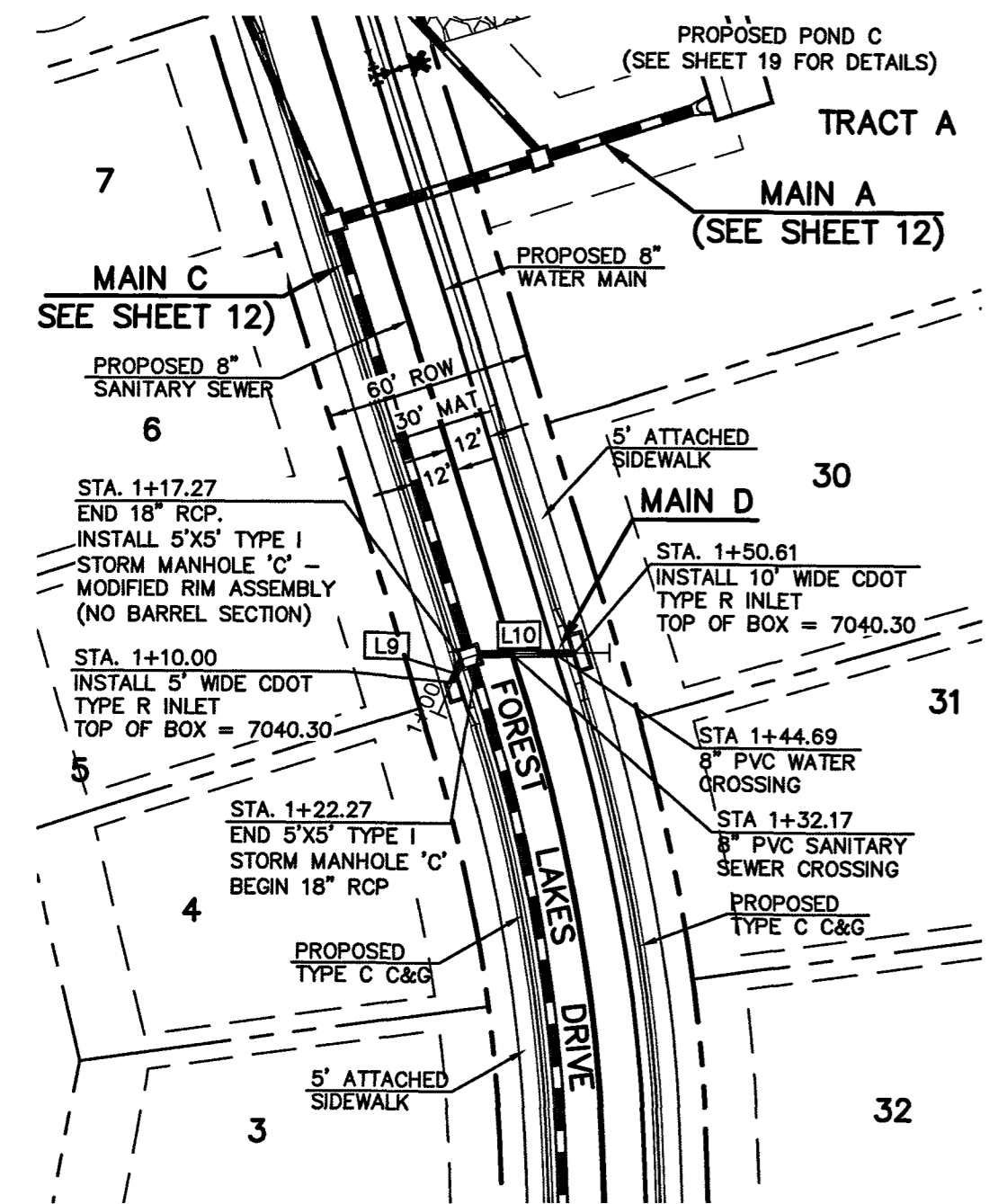
*Kyle R. Campbell*  
KYLE R. CAMPBELL, COLORADO LICENSE # 29794  
DATE: 3/21/20



FOREST LAKES FILING NO. 5  
CONSTRUCTION PLANS  
PUBLIC STORM SEWER PLAN  
MAIN A/ MAIN B/ MAIN C PLAN & PROFILE

DESIGNED BY: MAL SCALE: DATE: 07/14/19  
DRAWN BY: ESO (H) 1" = 50' SHEET 12 OF 32  
CHECKED BY: (V) 1" = 5' JOB NO. 1175.50

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



**LEGEND**

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

50 25 0 50 100  
SCALE: 1" = 50' HORIZ./ 1" = 5' VERT.

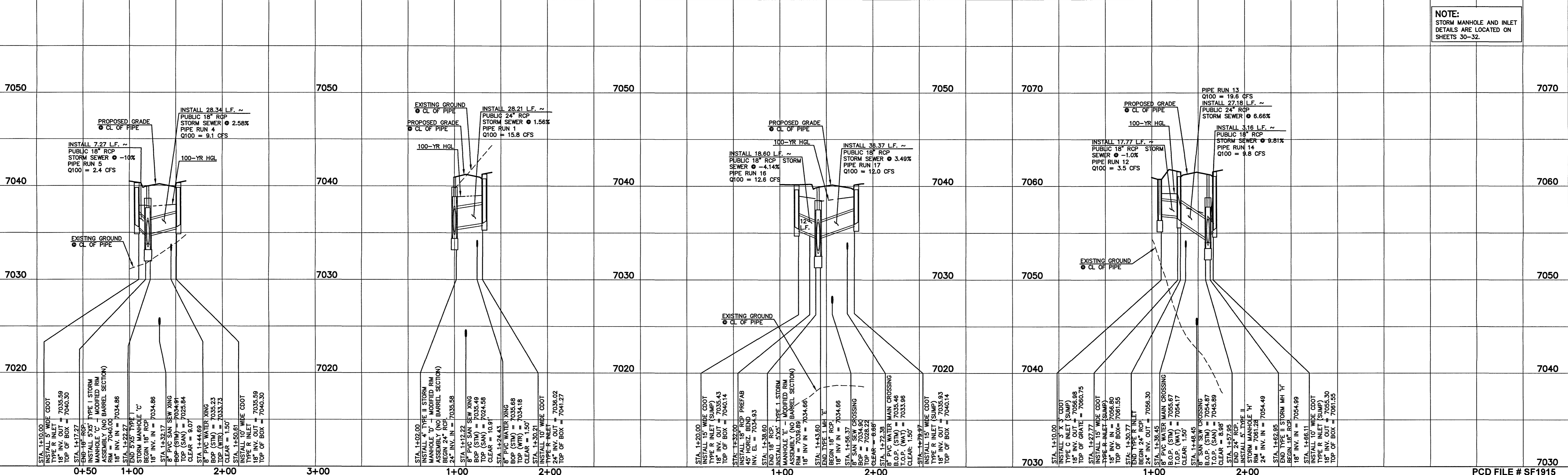
**NOTE:**  
ALL STORM FACILITIES WITHIN R.O.W. ARE PUBLIC, UNLESS OTHERWISE NOTED.

**STORM LINE TABLE**

LINE	LENGTH	BEARING
L9	7.27'	N42°34'46"E
L10	28.34'	N23°57'15"E
L11	28.21'	N33°53'48"E
L12	12.00'	S82°34'46"E
L13	6.60'	N52°25'14"E
L14	36.36'	N34°14'07"W
L15	17.77'	S20°23'11"E
L16	27.18'	S20°23'11"E
L17	3.16'	S20°23'11"E

**NOTE:**  
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.

**PROPOSED PUBLIC 18" RCP STORM MAIN D      PROPOSED PUBLIC 24" RCP STORM MAIN E      PROPOSED PUBLIC 18" RCP STORM MAIN G      PROPOSED PUBLIC 18"/24" RCP STORM MAIN H**



**NOTE:**  
STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 30-32.

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NO.	REVISION	DATE

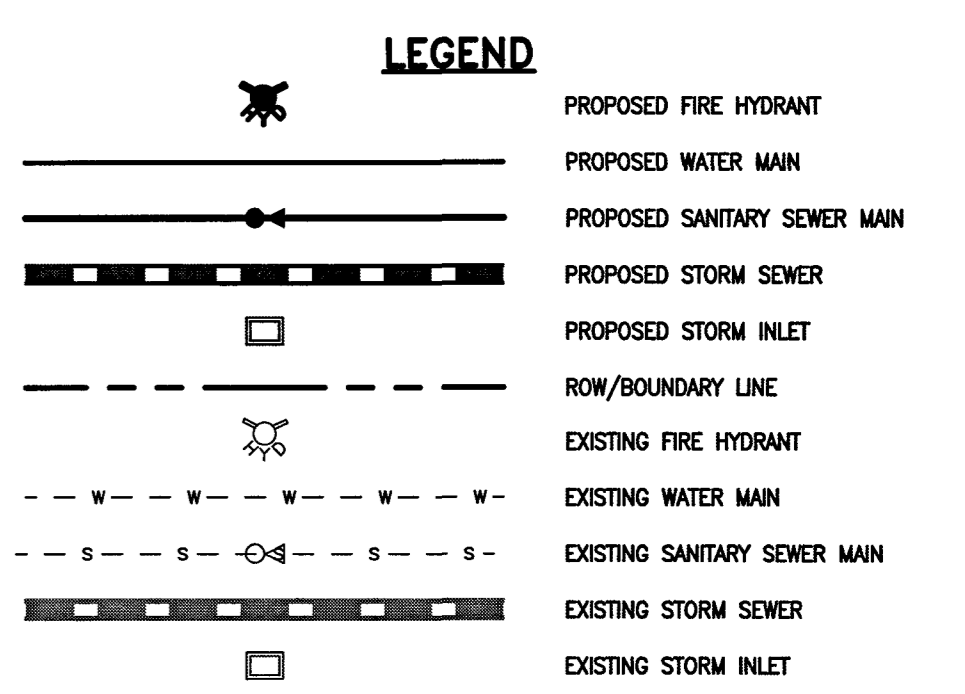
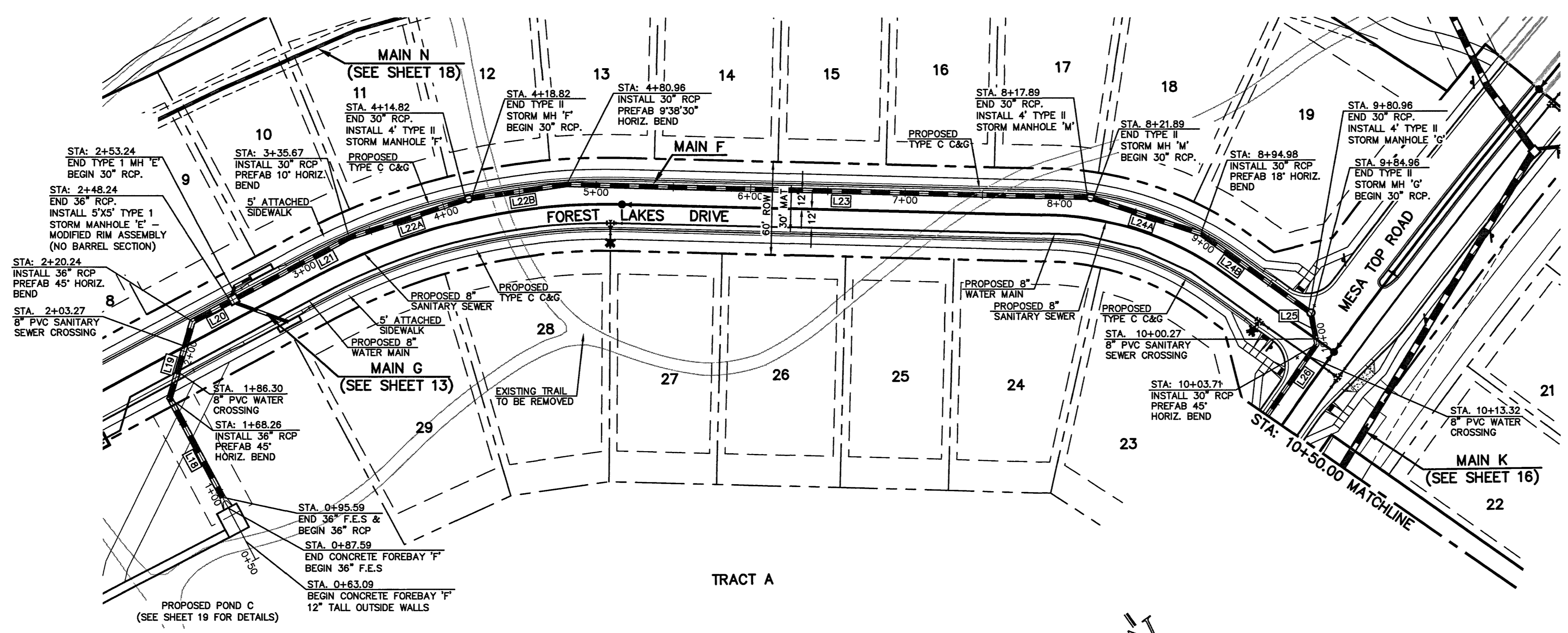
REVIEW:  
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF  
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

*Kyle R. Campbell*  
KYLE R. CAMPBELL, COLORADO, P.E.  
29794  
DATE: 3/27/20



FOREST LAKES FILING NO. 5  
CONSTRUCTION PLANS  
PUBLIC STORM SEWER PLAN  
MAIN D, MAIN E, MAIN G, & H PLAN & PROFILE

DESIGNED BY: MAL      SCALE: (H) 1" = 50'      DATE: 07/14/19  
DRAWN BY: ESO      (V) 1" = 5'      SHEET 13 OF 32  
CHECKED BY:      JOB NO.: 1175.50



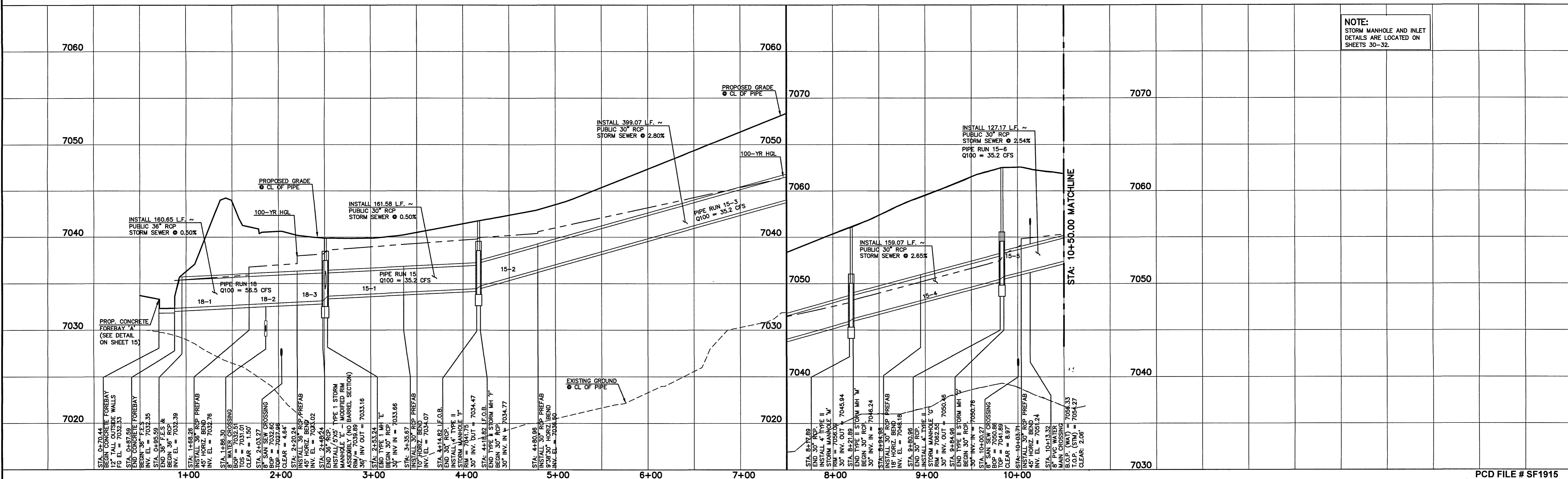
50 25 0 50 100  
SCALE: 1" = 50' HORIZ./ 1" = 5' VERT.

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

LINE	LENGTH	BEARING
L18	80.67'	S72°51'4"W
L19	51.98'	S52°25'14"W
L20	28.00'	N82°34'46"W
L21	82.43'	N82°34'46"W
L22A	79.15'	N72°32'50"W
L22B	84.14'	N62°34'46"W
L23	336.93'	N52°56'18"W
L24A	73.09'	N36°24'10"W
L24B	85.98'	N18°24'10"W
L25	20.74'	N25°30'29"E
L26	108.43'	N70°30'29"E

NOTE:  
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.

PROPOSED PUBLIC 18"/30"/36" RCP STORM MAIN F



NOTE:  
STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 30-32.

N:\117550\DRAWINGS\CONSTRUCTION\STORM\14-117550-ST14.dwg, 3/16/2020 1:55:13 PM, 1:1

PCD FILE # SF1915

48 HOURS BEFORE YOU DIG,  
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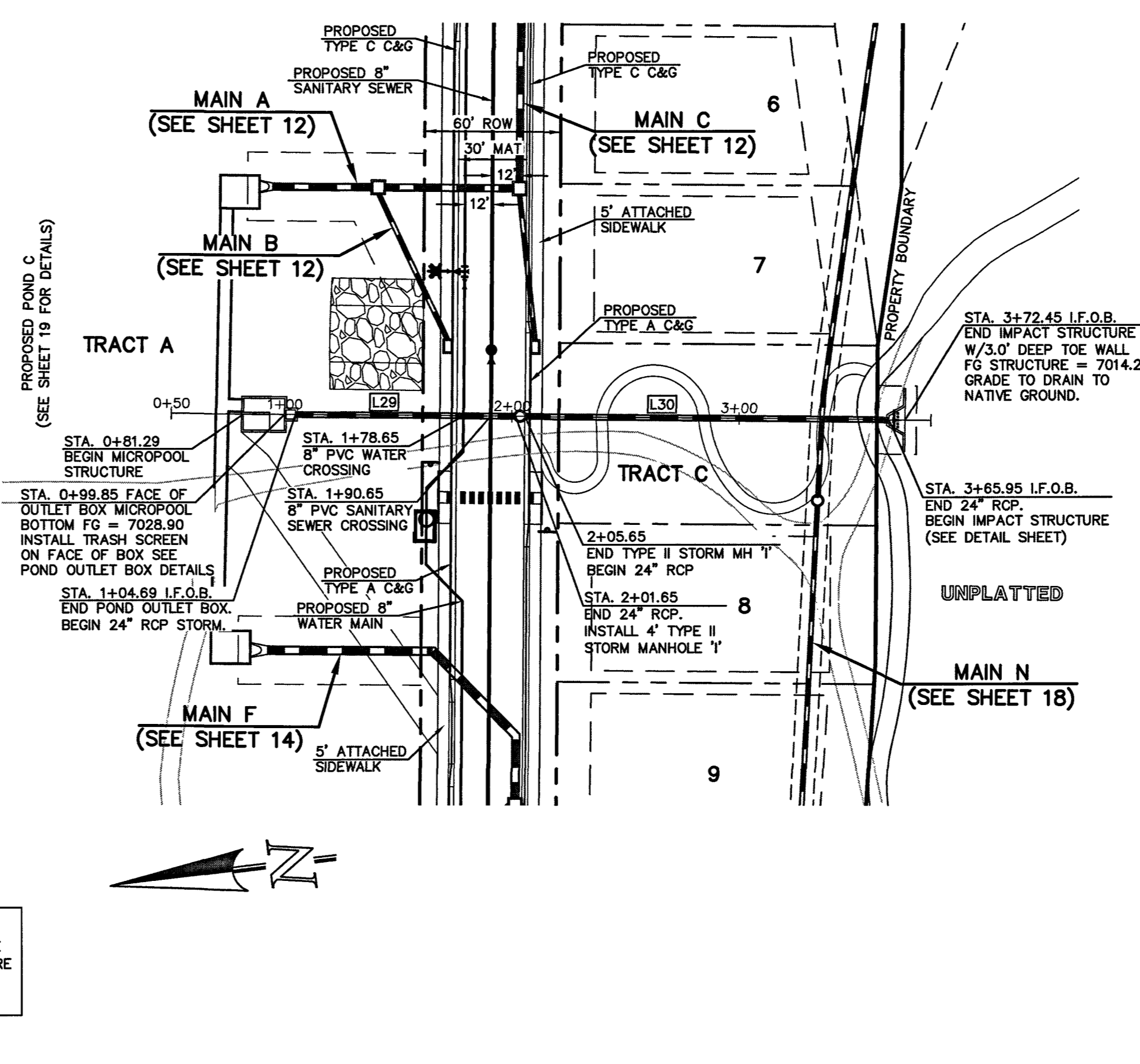
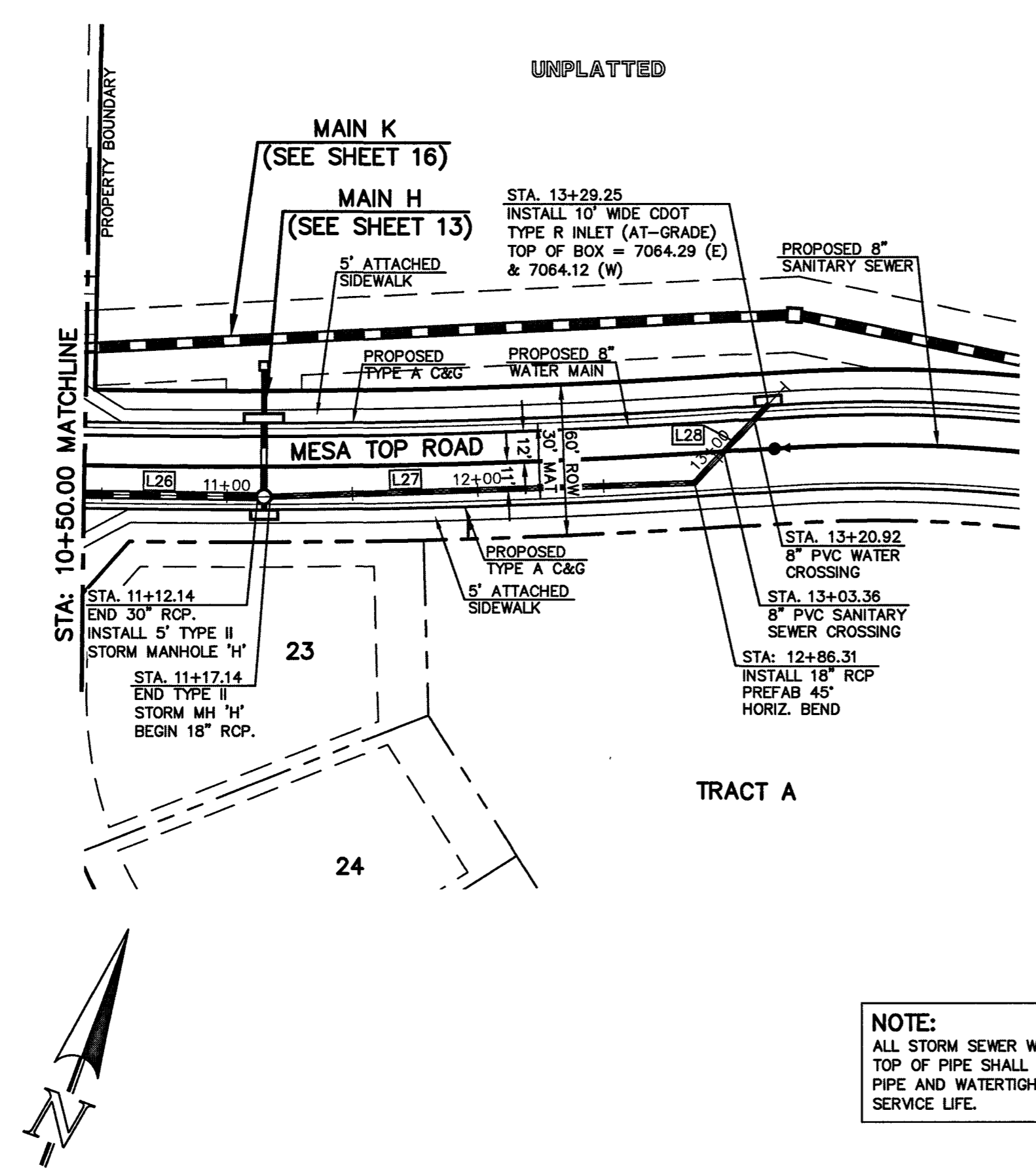
NO. REVISION	DATE	REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS, P.C., LLC

*Kyle R. Campbell*  
KYLE R. CAMPBELL, COLORADO  
29734  
DATE

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

FOREST LAKES FILING NO. 5			
CONSTRUCTION PLANS			
PUBLIC STORM SEWER PLAN			
MAIN F PLAN & PROFILE			
DESIGNED BY	MAL	SCALE	DATE 07/14/19
DRAWN BY	ESO	(H) 1" = 50'	SHEET 14 OF 32
CHECKED BY	(V) 1" = 5'	JOB NO.	1175.50



**LEGEND**

- PROPOSED FIRE HYDRANT
- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- 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

50 25 0 50 100  
SCALE: 1" = 50' HORIZ./ 1" = 5' VERT.

**STORM LINE TABLE**

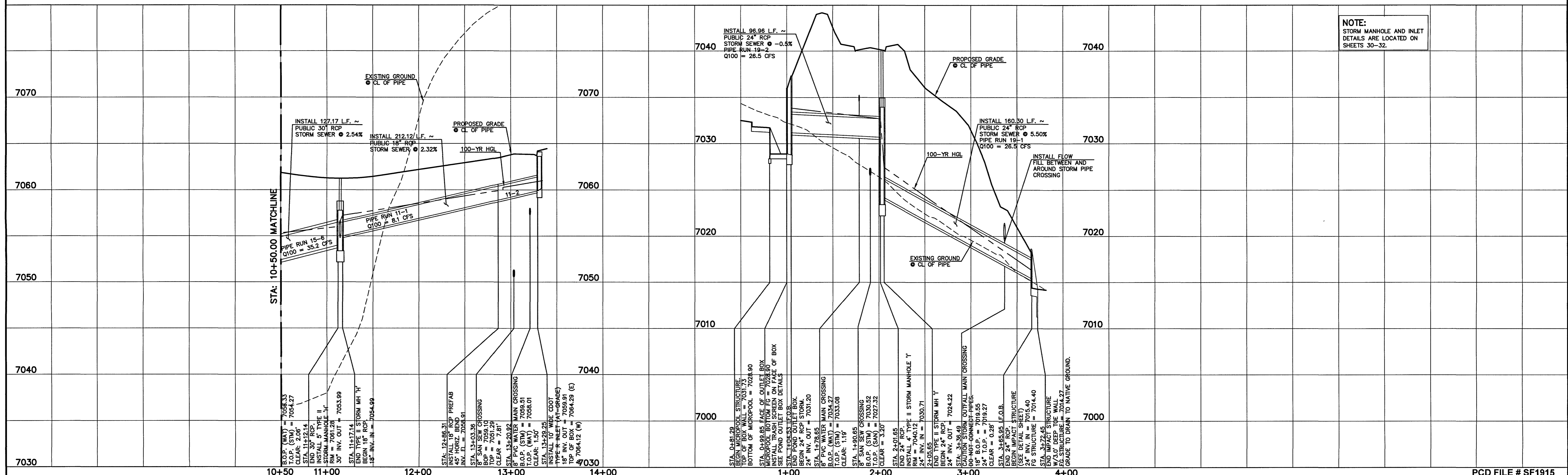
LINE	LENGTH	BEARING
L26	108.43'	N70°30'29"E
L27	169.17'	N67°42'34"E
L28	42.95'	N22°42'34"E
L29	96.97'	S07°25'14"W
L30	160.29'	S07°25'14"W

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

**NOTE:**  
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.

**PROPOSED PUBLIC 18"/30"/36" RCP STORM MAIN F**

**PROPOSED PRIVATE 24" RCP STORM MAIN J**



**REVIEW:**  
STREET DESIGN FOR CITY ENGINEERING:  
UTILITY GRADE REVIEW \_\_\_\_\_ DATE \_\_\_\_\_  
TRAFFIC SIGNAGE & STRIPING \_\_\_\_\_ DATE \_\_\_\_\_  
CURB & GUTTER REVIEW \_\_\_\_\_ DATE \_\_\_\_\_  
FINAL REVIEW \_\_\_\_\_ DATE \_\_\_\_\_  
DRAINAGE DESIGN: \_\_\_\_\_ DATE \_\_\_\_\_  
THIS IS FILED IN ACCORDANCE WITH SECTION 7.7.906 (DRAINAGE ORDINANCE) OF THE CODE OF THE CITY OF COLORADO SPRINGS 2001, AS AMENDED

**DESIGN DATA:**  
SIDEWALKS: WIDTH: \_\_\_\_\_  
LOCATION:  Attached  Detached  
CURB TYPE:  1  5  3  
R/W WIDTH \_\_\_\_\_ MAT WIDTH \_\_\_\_\_  
STREET TYPE \_\_\_\_\_ HVEEM \_\_\_\_\_

**PAVEMENT:**  
TYPE: HMA  PCC   
THICKNESS \_\_\_\_\_  
COMPOSITE SECTION  
HMA \_\_\_\_\_  
BASE \_\_\_\_\_  
SUBGRADE STABILIZATION:  
CHEMICAL:  MECH.:   
TYPE: \_\_\_\_\_  
THICKNESS \_\_\_\_\_

**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 AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND ARCHITECTS, P.C.  
*Kyle R. Campbell*  
KYLE R. CAMPBELL, COLORADO P.E. #29794  
DATE: 3/21/20

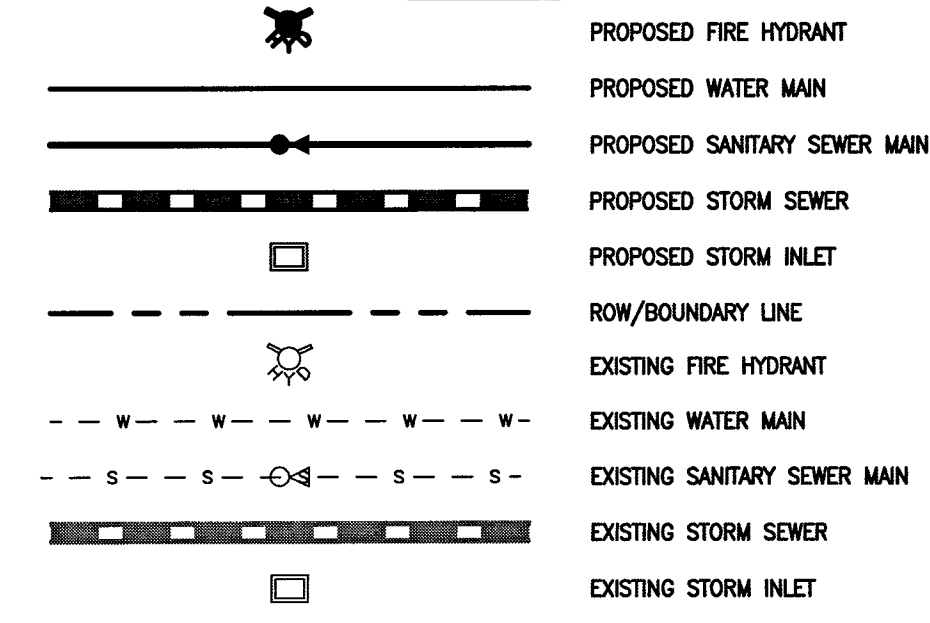
**CLASSIC CONSULTING**  
619 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903  
(719)785-0790  
(719)785-0799(Fax)

**FOREST LAKES FILING NO. 5  
CONSTRUCTION PLANS**  
PUBLIC/PRIVATE STORM SEWER PLAN  
MAIN F/ MAIN J PLAN & PROFILE

DESIGNED BY: MAL SCALE: DATE: 07/14/19  
DRAWN BY: ESO (H) 1" = 50' SHEET 15 OF 32  
CHECKED BY: (V) 1" = 5' JOB NO.: 1175-50

PCD FILE # SF1915

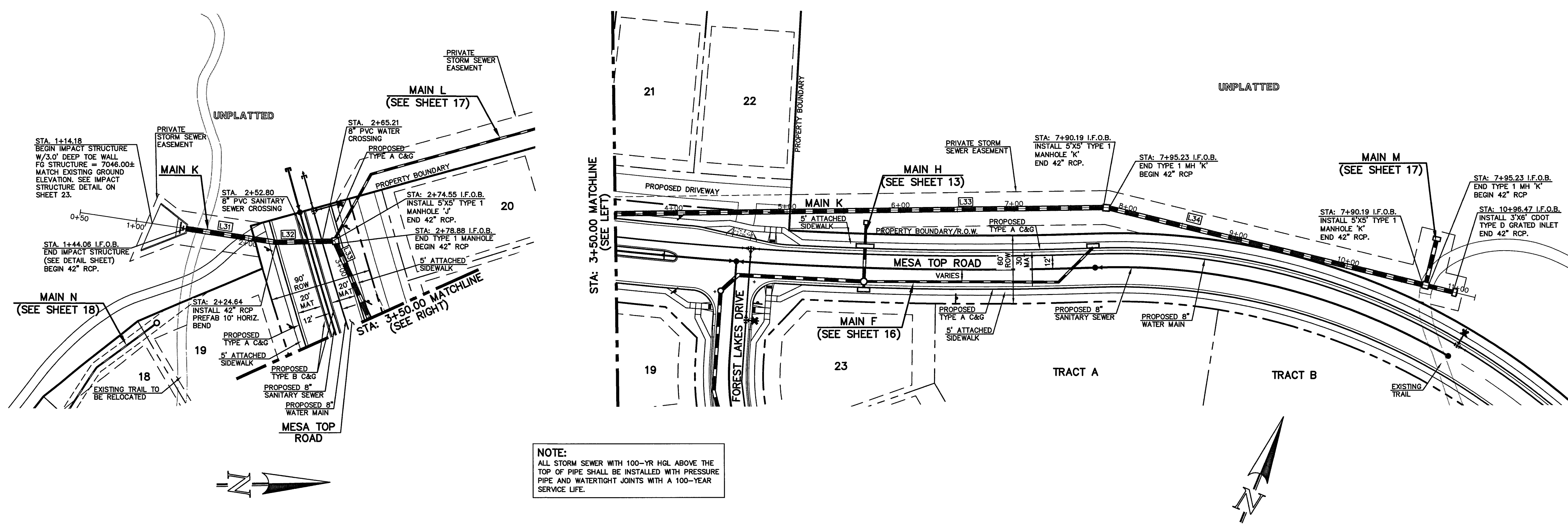
**LEGEND**



50 25 0 50 100  
SCALE: 1" = 50' HORIZ./ 1" = 5' VERT.

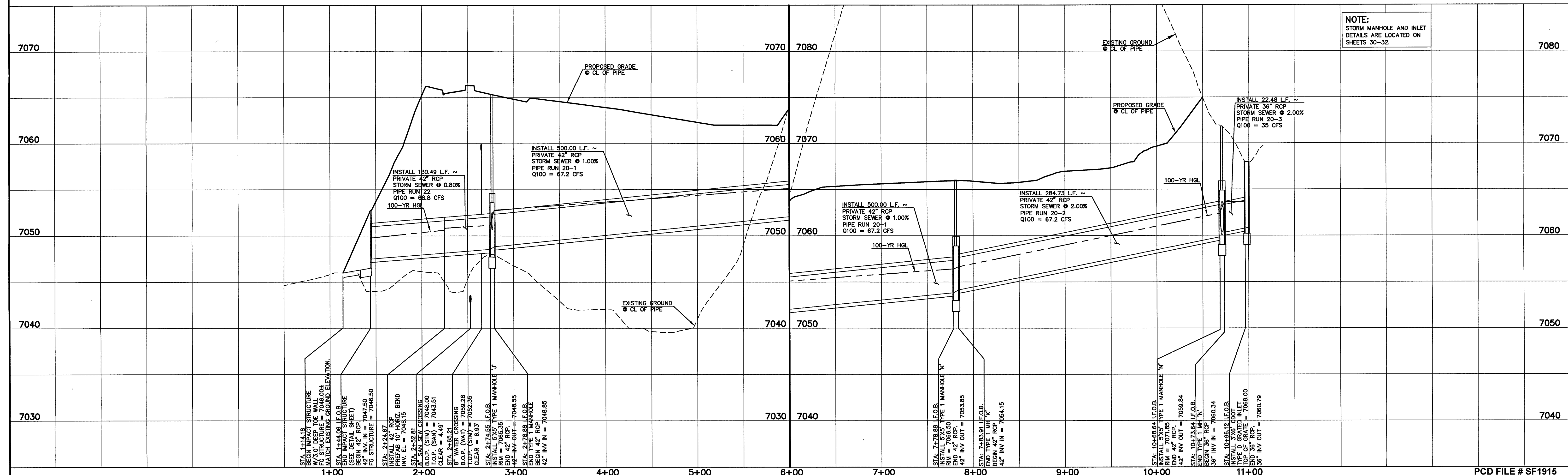
**NOTE:**  
ALL STORM FACILITIES ARE PRIVATE, UNLESS OTHERWISE NOTED.

	LENGTH	BEARING
L31	80.58'	N09°46'44"E
L32	49.91'	N01°1'39"W
L33	516.35'	N86°48'46"E
L34	301.24'	N81°49'46"E



**NOTE:**  
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.

**PROPOSED PRIVATE 30" RCP STORM MAIN K (OFF-SITE SYSTEM BYPASS)**



**NOTE:**  
STORM MANHOLE AND INLET DETAILS ARE LOCATED ON SHEETS 30-32.

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

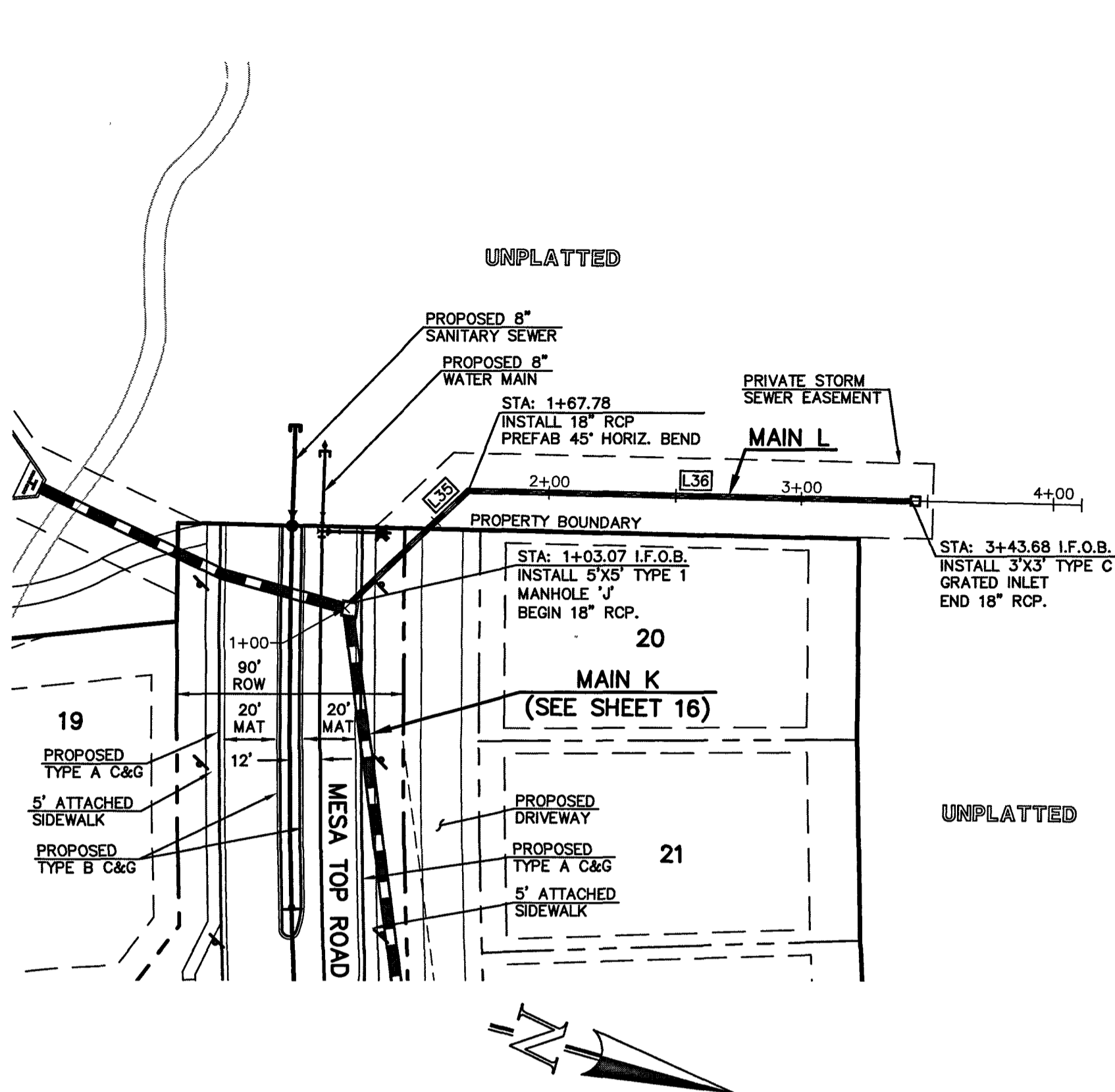
REVIEW:  
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF  
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

*Kyle R. Campbell*  
KYLE R. CAMPBELL, COLORADO P.E. #29794  
DATE: 3/2/20

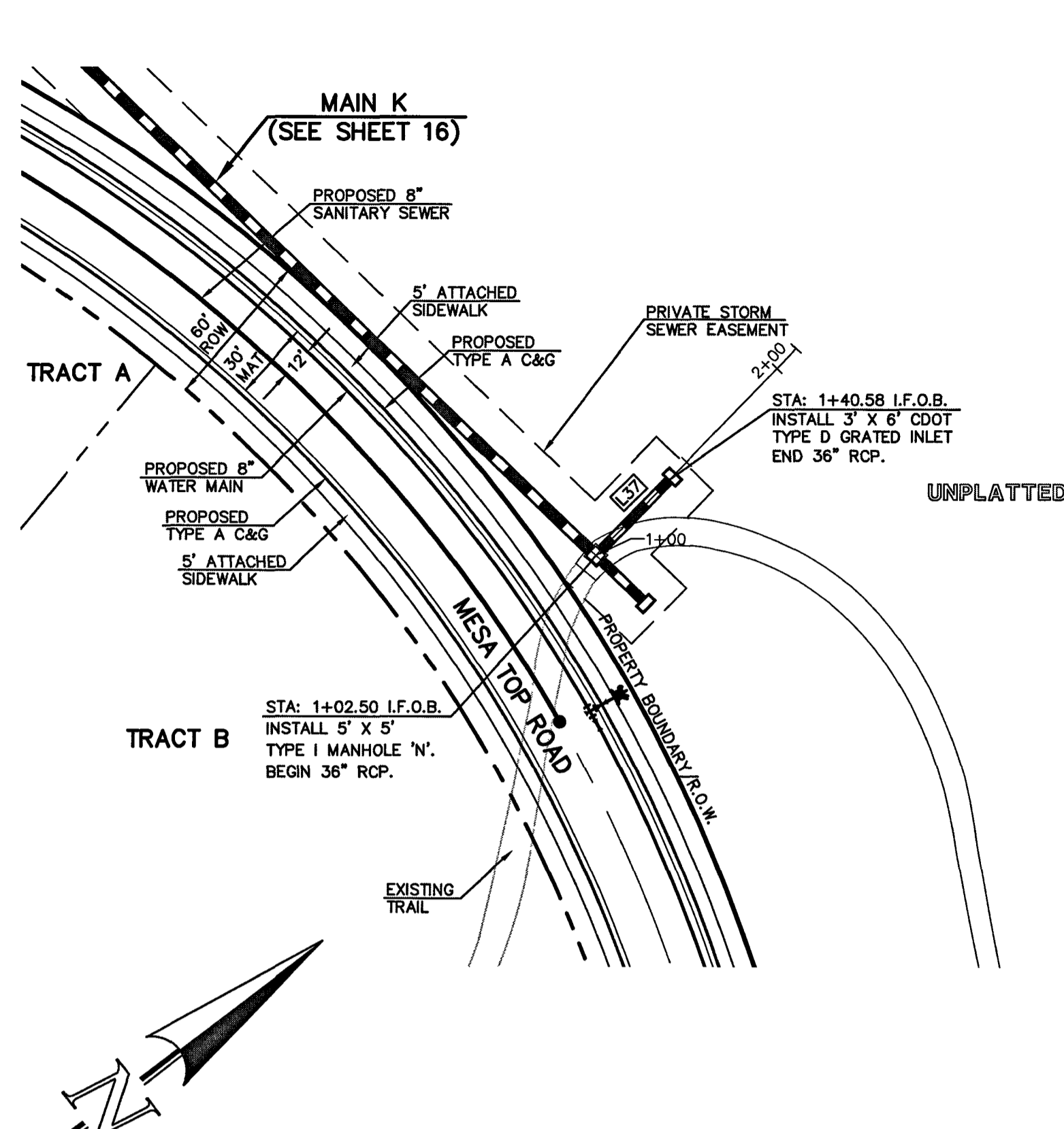
FOREST LAKES FILING NO. 5  
CONSTRUCTION PLANS  
PRIVATE STORM SEWER PLAN (OFF-SITE BYPASS)  
MAIN K PLAN & PROFILE

DESIGNED BY	MAL	SCALE	DATE	07/14/19
DRAWN BY	ESO	(H) 1" = 50'	SHEET	16 OF 32
CHECKED BY	(V) 1" = 5'	JOB NO.	1175.50	

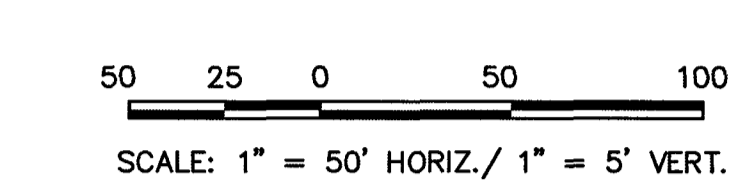
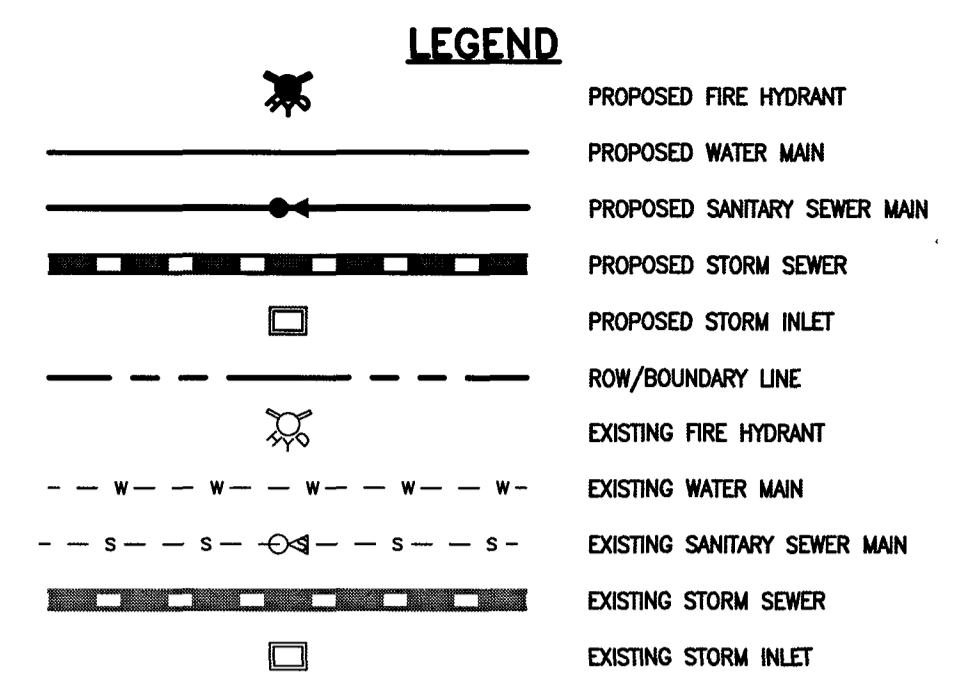




PROPOSED PRIVATE 18" RCP STORM MAIN L (OFF-SITE SYSTEM BYPASS)



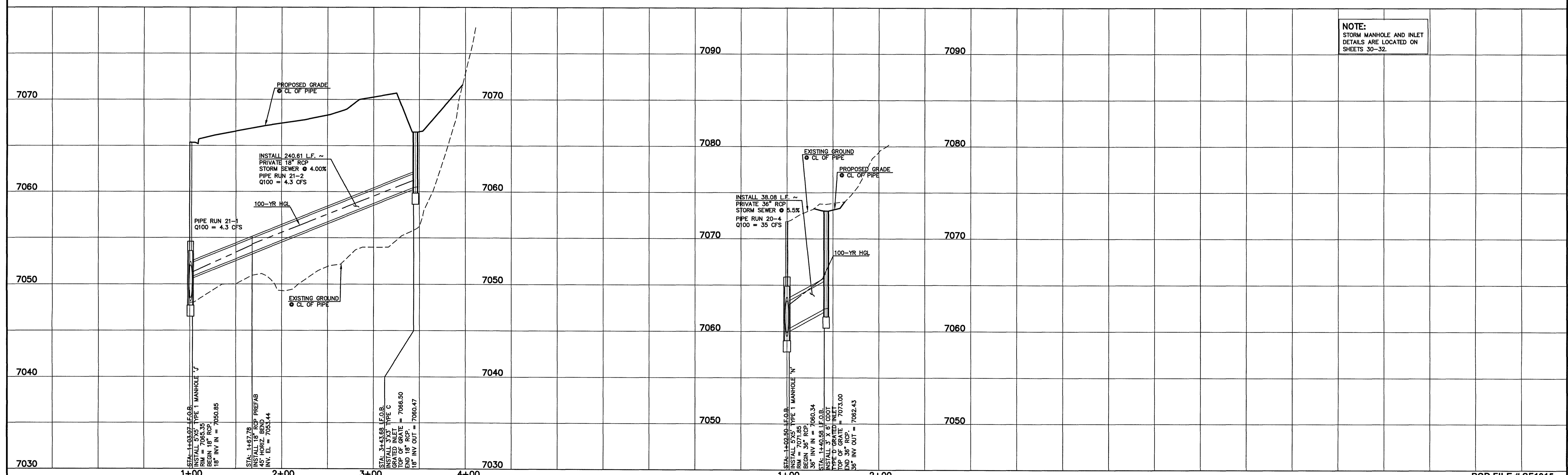
PROPOSED PRIVATE 36" RCP STORM MAIN M (OFF-SITE SYSTEM BYPASS)



NOTE:  
ALL STORM FACILITIES ARE PRIVATE,  
UNLESS OTHERWISE NOTED.

STORM LINE TABLE	
LENGTH	BEARING
L35 67.78'	N59°22'55"W
L36 175.90'	N14°22'55"W
L37 57.08'	N36°49'46"E

NOTE:  
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.



NOTE:  
STORM MANHOLE AND INLET  
DETAILS ARE LOCATED ON  
SHEETS 30-32.

48 HOURS BEFORE YOU DIG,  
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NO. REVISION	DATE

REVIEW:

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

*[Signature]*  
KYLE R. CAMPBELL, COLORADO REGISTERED PROFESSIONAL ENGINEER  
29794

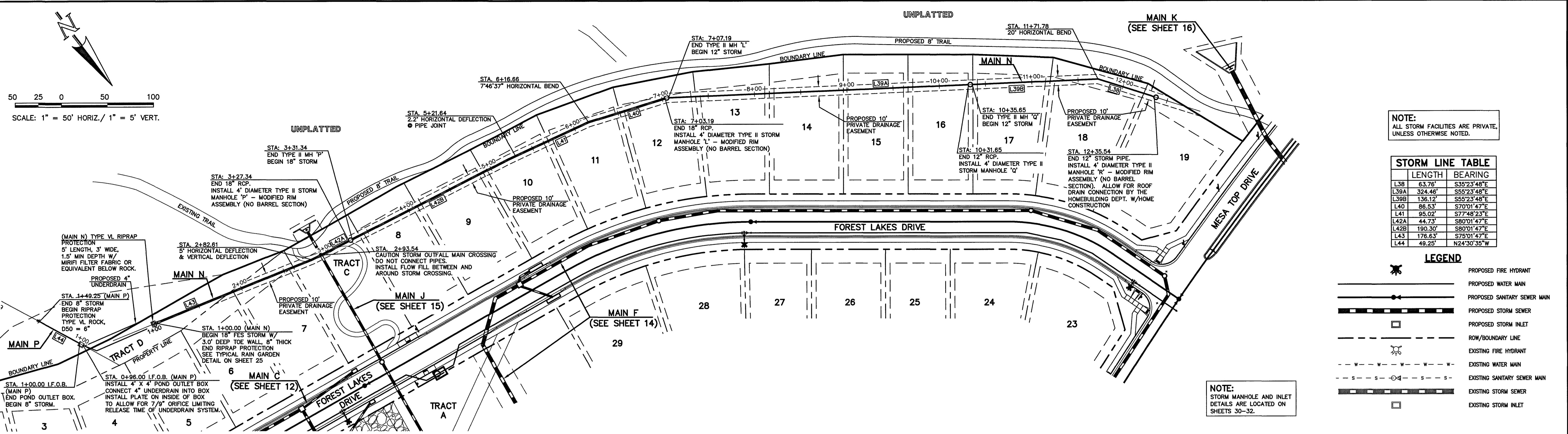
DATE: 7/14/19

PCD FILE # SF1915

FOREST LAKES FILING NO. 5  
CONSTRUCTION PLANS  
PRIVATE STORM SEWER PLAN(OFF-SITE BYPASS)  
MAIN L/ MAIN M PLAN & PROFILE

DESIGNED BY	MAL	SCALE	DATE	07/14/19
DRAWN BY	ESO	(H) 1" = 50'	SHEET	17 OF 32
CHECKED BY	(V) 1" = 5'	JOB NO.	1175.50	

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



NOTE:  
ALL STORM FACILITIES ARE PRIVATE,  
UNLESS OTHERWISE NOTED.

STORM LINE TABLE		
	LENGTH	BEARING
L38	63.76'	S35°23'48"E
L38A	324.46'	S55°23'48"E
L38B	136.12'	S55°23'48"E
L40	86.53'	S70°01'47"E
L41	95.02'	S77°48'23"E
L42A	44.73'	S80°01'47"E
L42B	190.30'	S80°01'47"E
L43	176.63'	S75°01'47"E
L44	48.25'	N24°30'35"W

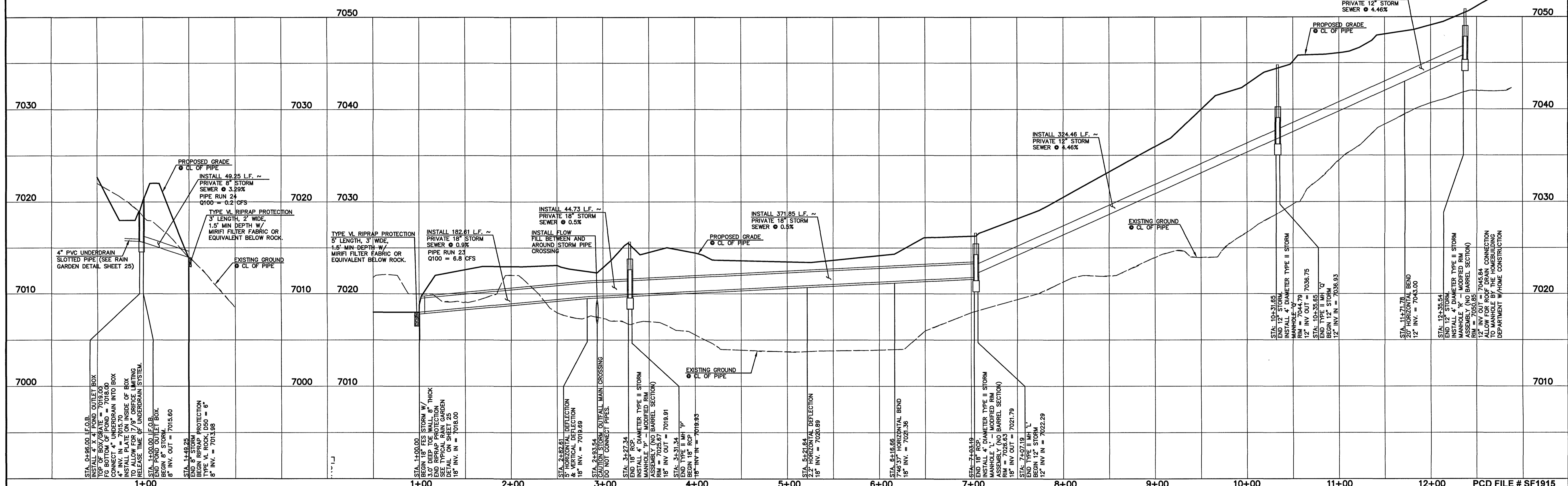
**LEGEND**

	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

NOTE:  
STORM MANHOLE AND INLET  
DETAILS ARE LOCATED ON  
SHEETS 30-32.

PROPOSED PRIVATE 8" STORM MAIN P

PROPOSED PRIVATE 12/18" STORM MAIN N



48 HOURS BEFORE YOU DIG,  
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NO.	REVISION	DATE

REVIEW:

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

*Kyle R. Campbell*  
KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE 07/14/19



FOREST LAKES FILING NO. 5  
CONSTRUCTION PLANS  
PRIVATE STORM SEWER PLAN  
MAIN P / MAIN N PLAN & PROFILE

DESIGNED BY	MAL	SCALE	DATE	07/14/19
DRAWN BY	ESO	(H) 1" = 50'	SHEET	18 OF 32
CHECKED BY	(V) 1" = 5'	JOB NO.	1175-50	

**T-3 Bioretention**

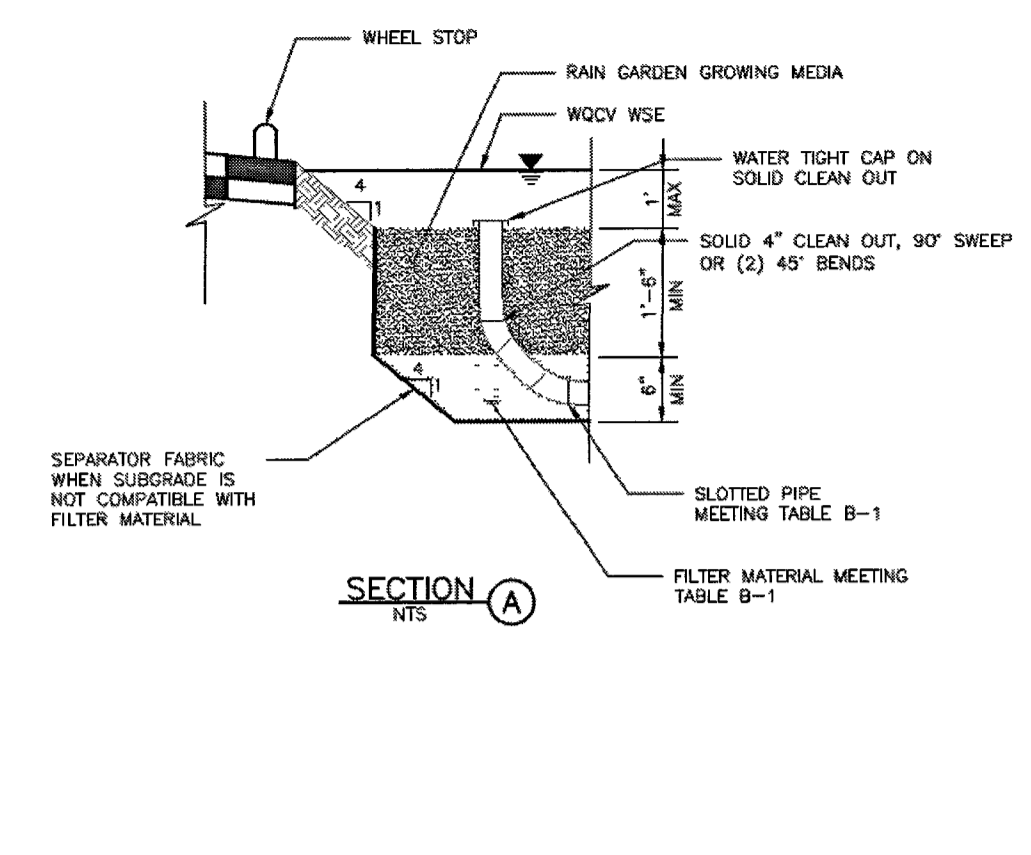


Table B-2. Gradation Specifications for CDOT Class C Filter Material (Source: CDOT Table 703-7)

Sieve Size	Mass Percent Passing Square Mesh Sieves
19.0 mm (3/4")	100
4.75 mm (No. 4)	60 - 100
300 µm (No. 50)	10 - 30
150 µm (No. 100)	0 - 10
75 µm (No. 200)	0 - 3

Table B-3. Dimensions for Slotted Pipe

Pipe Diameter	Slot Length <sup>1</sup>	Maximum Slot Width	Slot Centers <sup>1</sup>	Open Area <sup>1</sup> (per foot)
4"	1-1/16"	0.032"	0.413"	1.90 m <sup>2</sup>
6"	1-3/8"	0.032"	0.516"	1.98 in <sup>2</sup>

<sup>1</sup> Some variation in these values is acceptable and is expected from various pipe manufacturers. Be aware that both increased slot length and decreased slot centers will be beneficial to hydraulics but detrimental to the structure of the pipe.

**T-3 Bioretention**

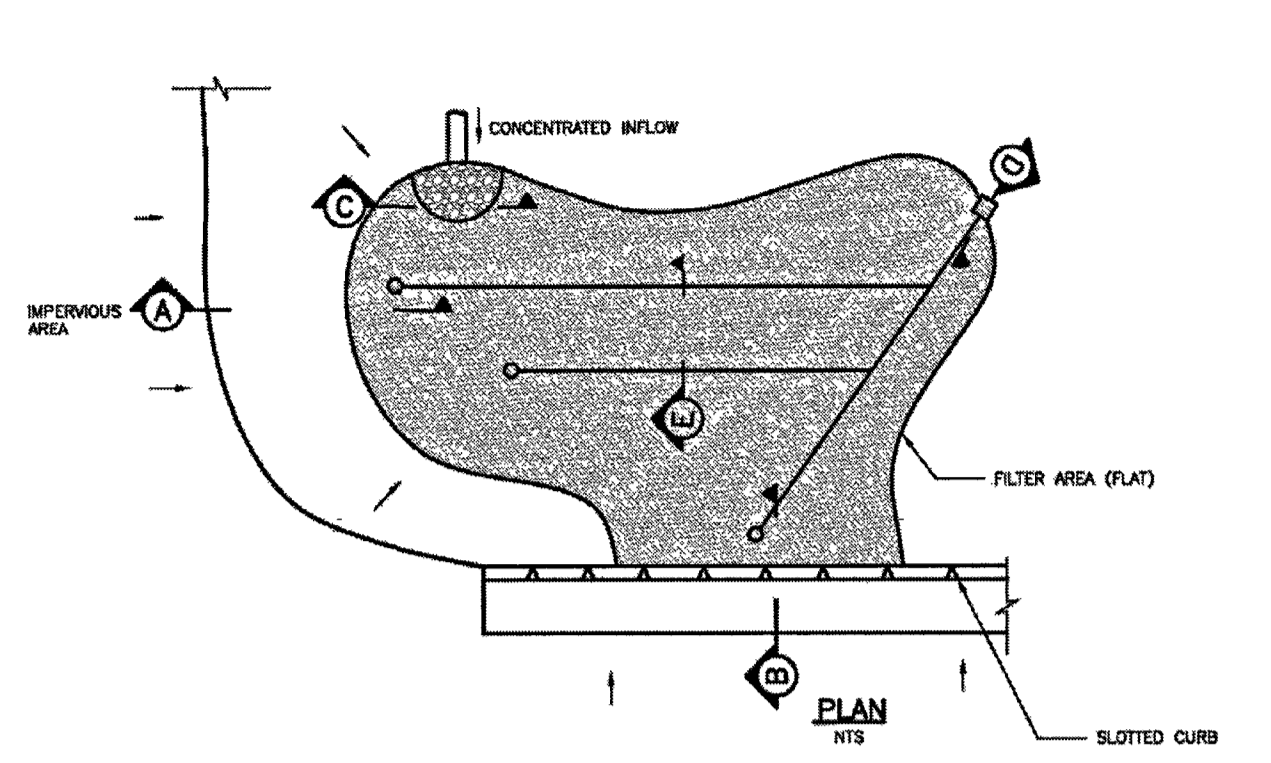
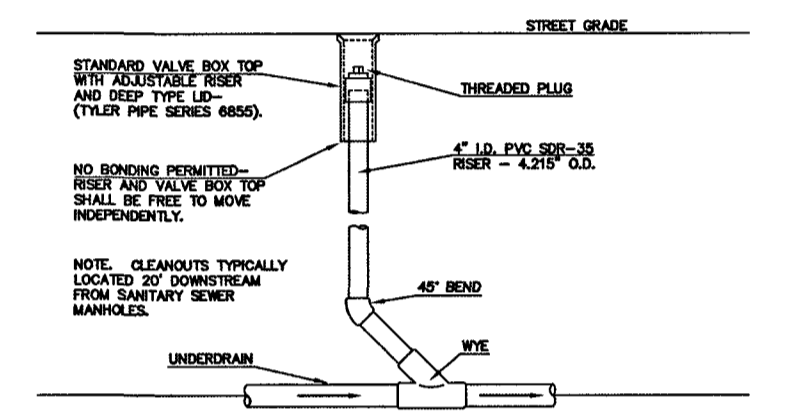


Figure B-1 - Typical rain garden plan and sections

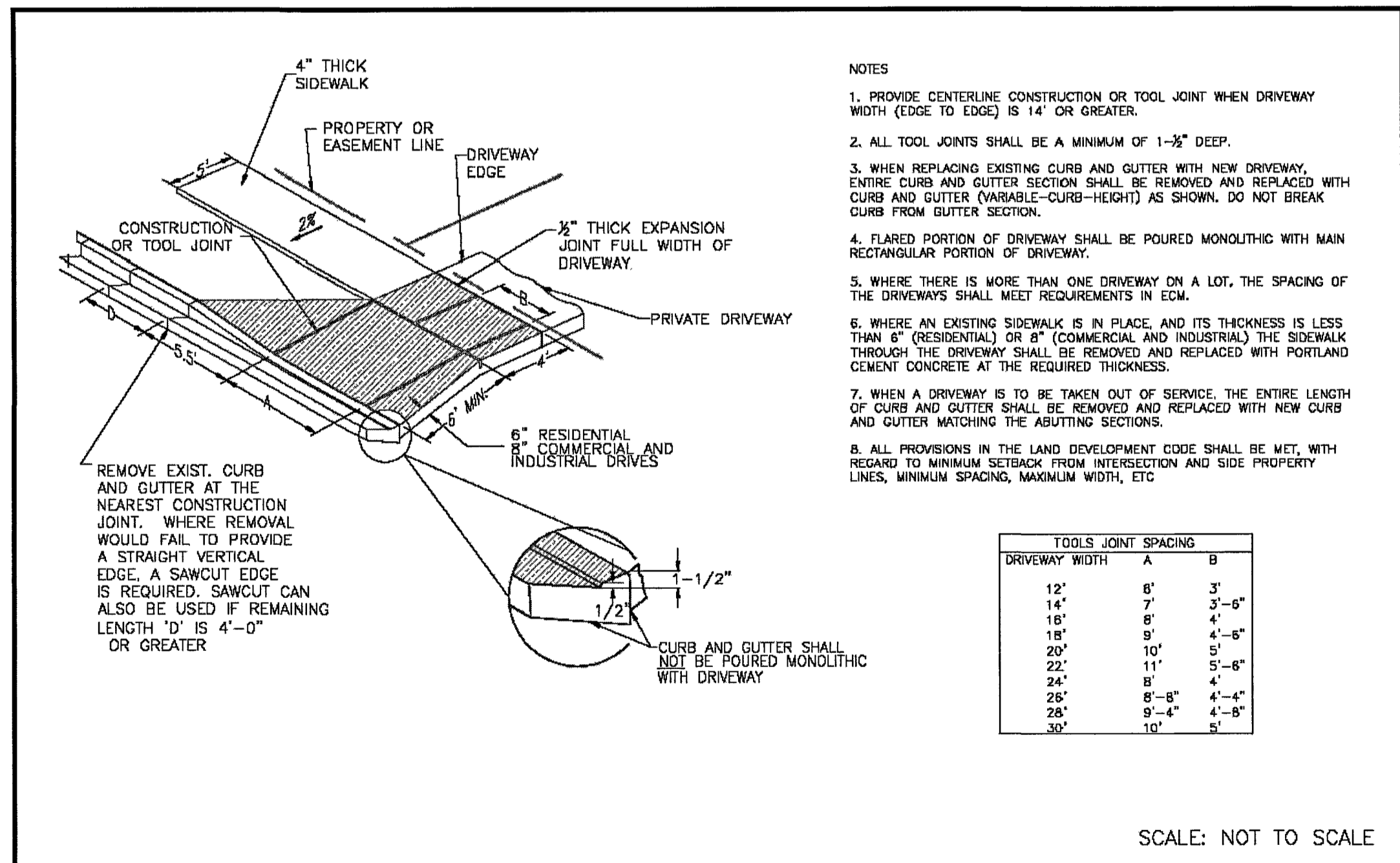
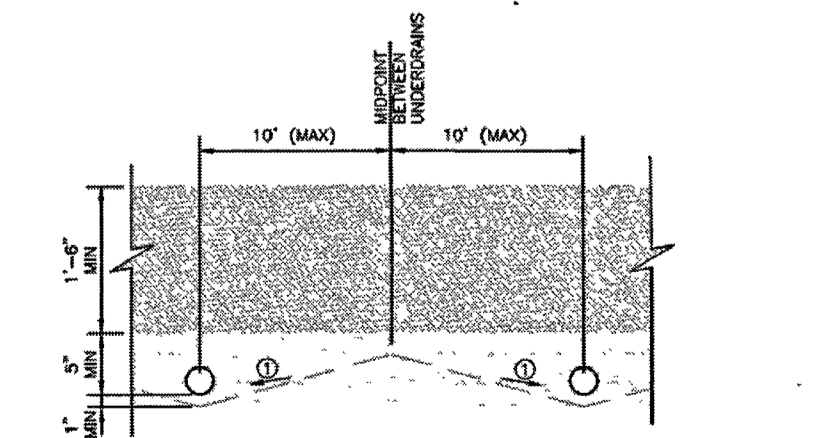
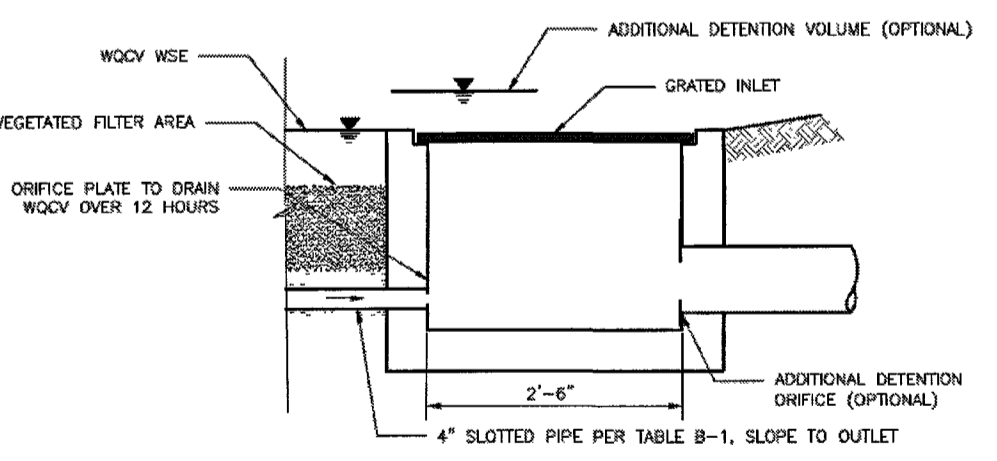
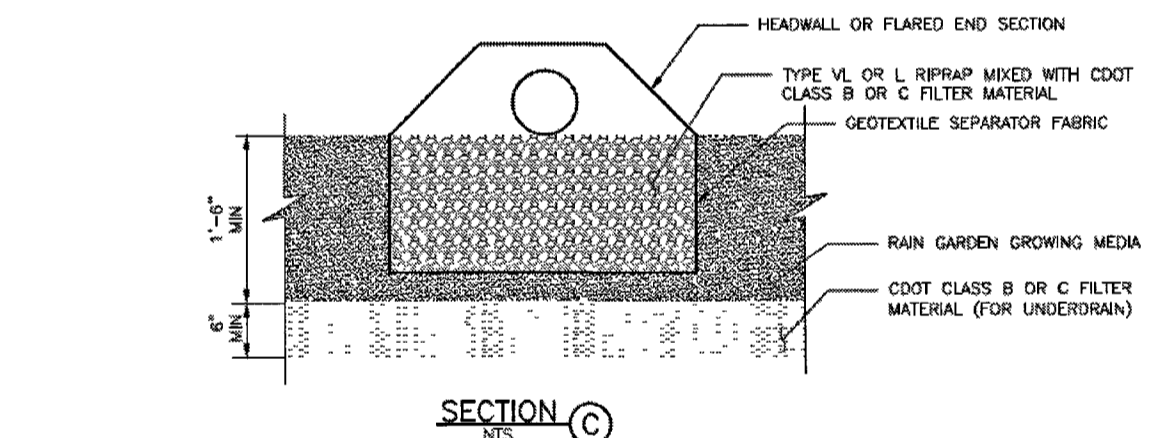
**RESEEDING MIX:**  
SEE SHEET 6 FOR NATIVE SEED MIX FOR RAIN GARDENS



**TYPICAL UNDERDRAIN CLEANOUT**  
N.T.S.

**DRIVEWAY DETAIL:**  
SEE SHEET 8 FOR DRIVEWAY DETAIL WITH ATTACHED SIDEWALK (SD-2-4)

**Bioretention T-3**



- NOTES**
1. PROVIDE CENTERLINE CONSTRUCTION OR TOOL JOINT WHEN DRIVEWAY WIDTH (EDGE TO EDGE) IS 14' OR GREATER.
  2. ALL TOOL JOINTS SHALL BE A MINIMUM OF 1'-3/8" DEEP.
  3. WHEN REPLACING EXISTING CURB AND GUTTER WITH NEW DRIVEWAY, ENTIRE CURB AND GUTTER SECTION SHALL BE REMOVED AND REPLACED WITH CURB AND GUTTER (VARIABLE-CURB-HEIGHT) AS SHOWN. DO NOT BREAK CURB FROM GUTTER SECTION.
  4. FLARED PORTION OF DRIVEWAY SHALL BE POURED MONOLITHIC WITH MAIN RECTANGULAR PORTION OF DRIVEWAY.
  5. WHERE THERE IS MORE THAN ONE DRIVEWAY ON A LOT, THE SPACING OF THE DRIVEWAYS SHALL MEET REQUIREMENTS IN ICM.
  6. WHERE AN EXISTING SIDEWALK IS IN PLACE, AND ITS THICKNESS IS LESS THAN 6" (RESIDENTIAL) OR 8" (COMMERCIAL AND INDUSTRIAL) THE SIDEWALK THROUGH THE DRIVEWAY SHALL BE REMOVED AND REPLACED WITH PORTLAND CEMENT CONCRETE AT THE REQUIRED THICKNESS.
  7. WHEN A DRIVEWAY IS TO BE TAKEN OUT OF SERVICE, THE ENTIRE LENGTH OF CURB AND GUTTER SHALL BE REMOVED AND REPLACED WITH NEW CURB AND GUTTER MATCHING THE ADJUTING SECTIONS.
  8. ALL PROVISIONS IN THE LAND DEVELOPMENT CODE SHALL BE MET, WITH REGARD TO MINIMUM SETBACK FROM INTERSECTION AND SIDE PROPERTY LINES, MINIMUM SPACING, MAXIMUM WIDTH, ETC.

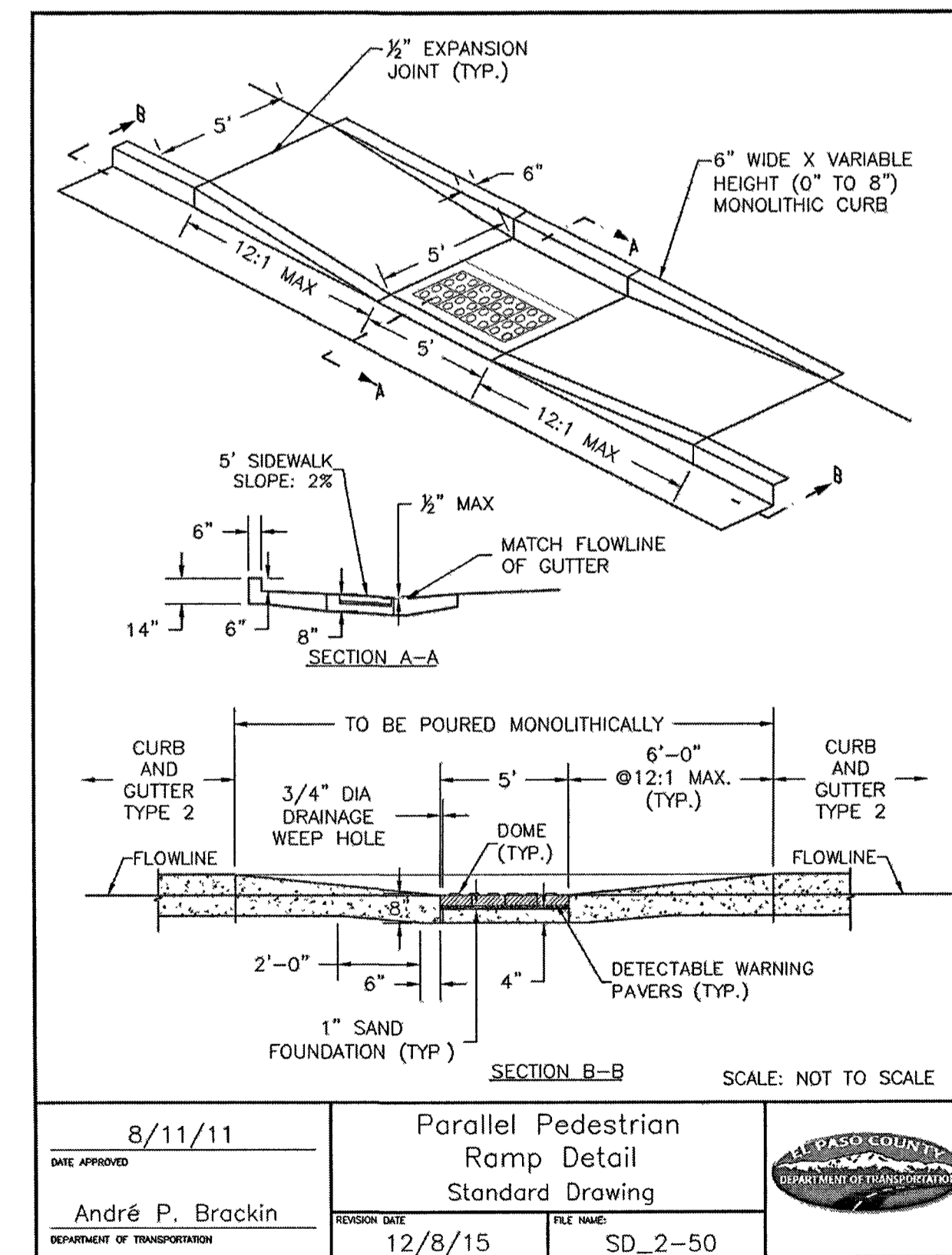
**TOOLS JOINT SPACING**

DRIVEWAY WIDTH	A	B
12'	8'	3'
14'	7'	3'-6"
16'	6'	4'
18'	5'	4'-6"
20'	10'	5'
22'	11'	5'-6"
24'	8'	4'
26'	8'-8"	4'-4"
28'	9'-4"	4'-8"
30'	10'	5'

SCALE: NOT TO SCALE

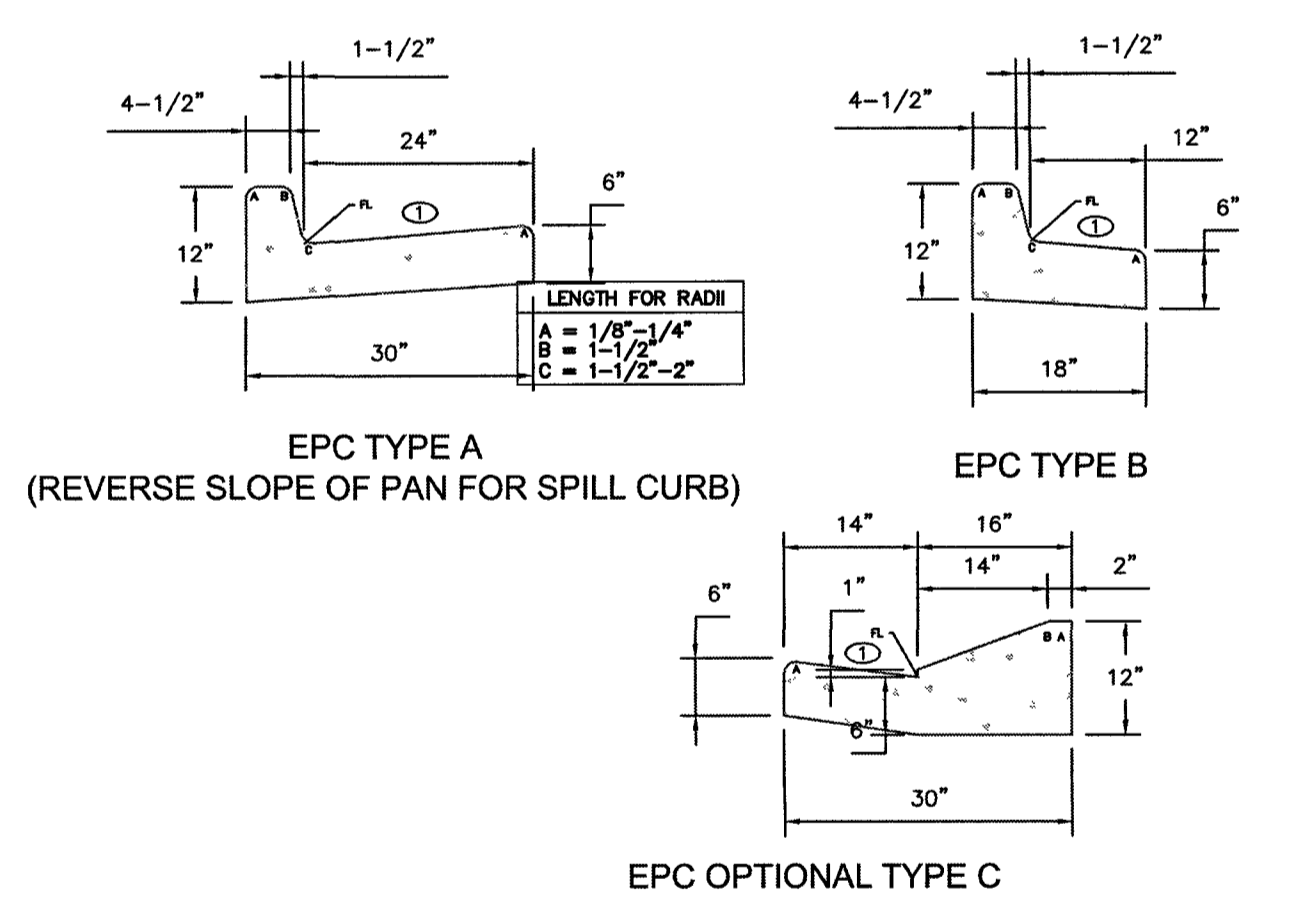
8/11/11  
DATE APPROVED: André P. Brackin  
DEPARTMENT OF TRANSPORTATION

Driveway Detail With Detached Sidewalk Standard Drawing  
REVISION DATE: 11/10/04  
FILE NAME: SD\_2-25

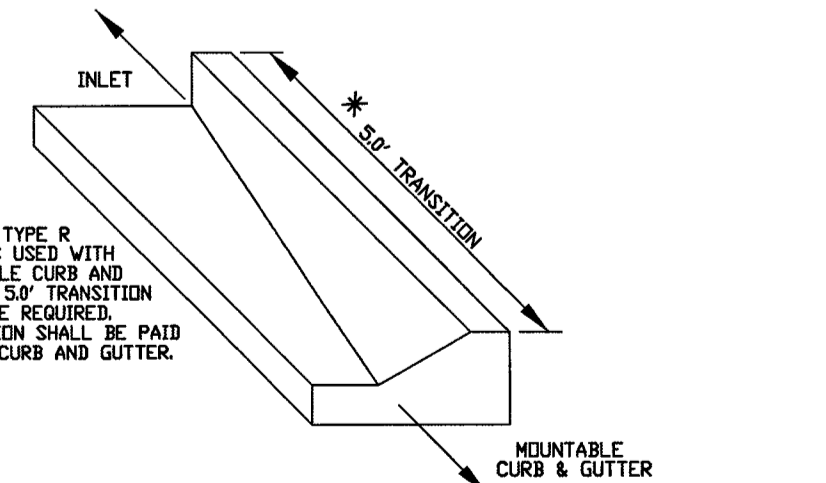


8/11/11  
DATE APPROVED: André P. Brackin  
DEPARTMENT OF TRANSPORTATION

Parallel Pedestrian Ramp Detail Standard Drawing  
REVISION DATE: 12/8/15  
FILE NAME: SD\_2-50



**CURB AND GUTTER DETAIL**



**TRANSITION CURB DETAIL**  
N.T.S.

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

KYLE R. CAMPBELL, COLORADO P.E. 29794  
DATE: 3/2/20

**CLASSIC CONSULTING**

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

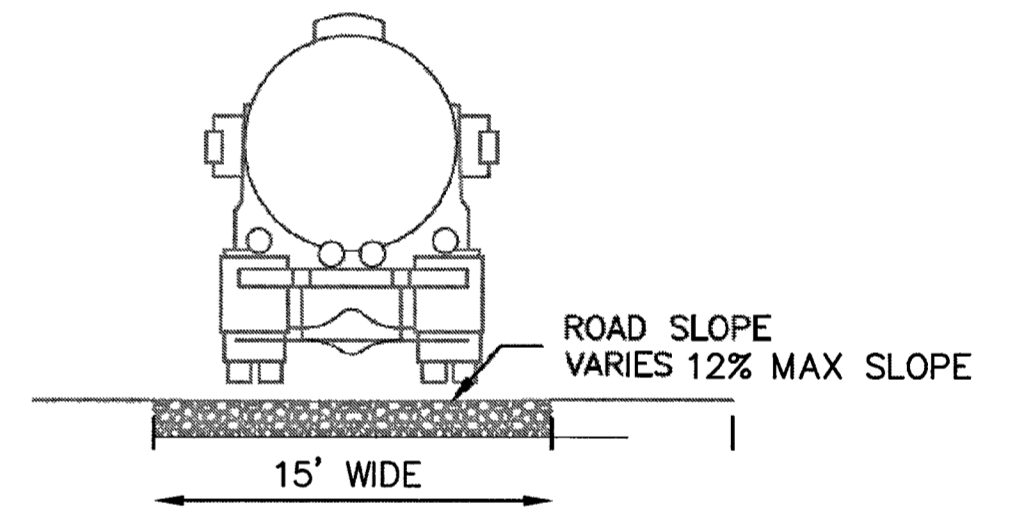
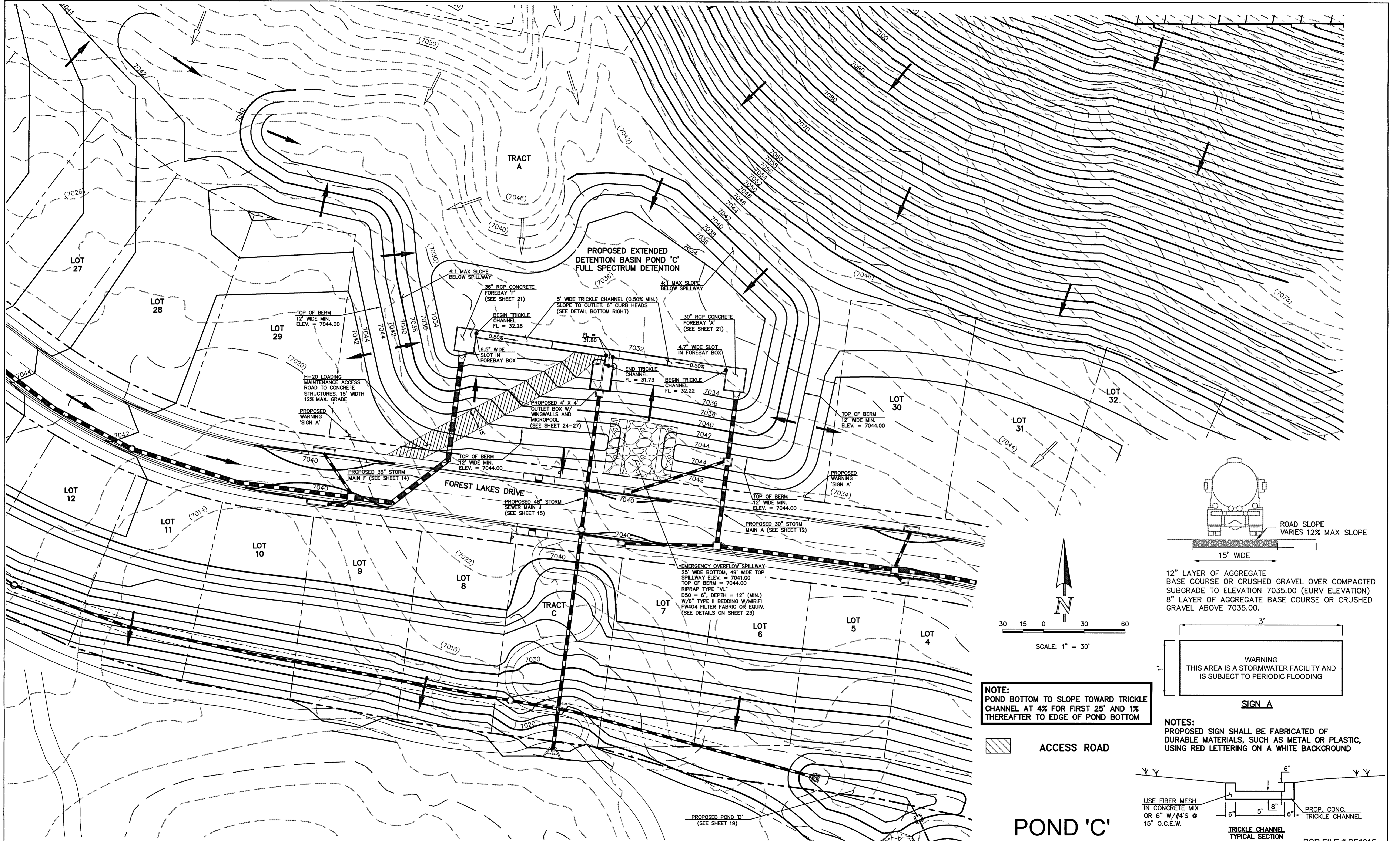
FOREST LAKES FILING NO. 5 CONSTRUCTION DRAWINGS

DETAILS SHEET

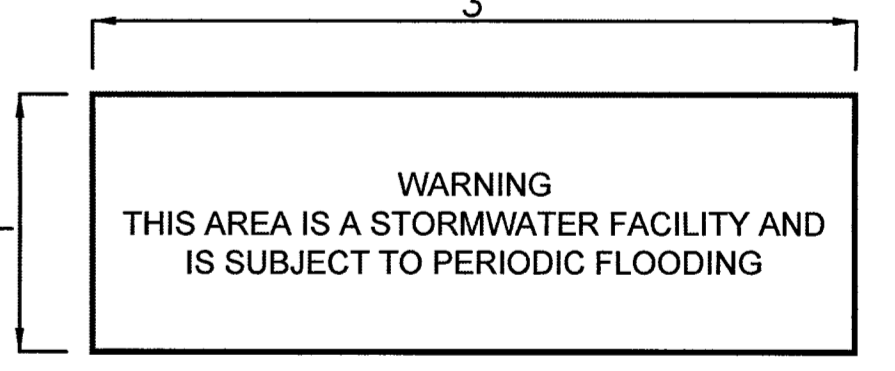
DESIGNED BY: MAL SCALE: DATE: 07/14/19  
DRAWN BY: BB (H) 1"= N/A SHEET 32 OF 32  
CHECKED BY: (V) 1"= N/A JOB NO. 1175.50

PCD FILE # SF1915

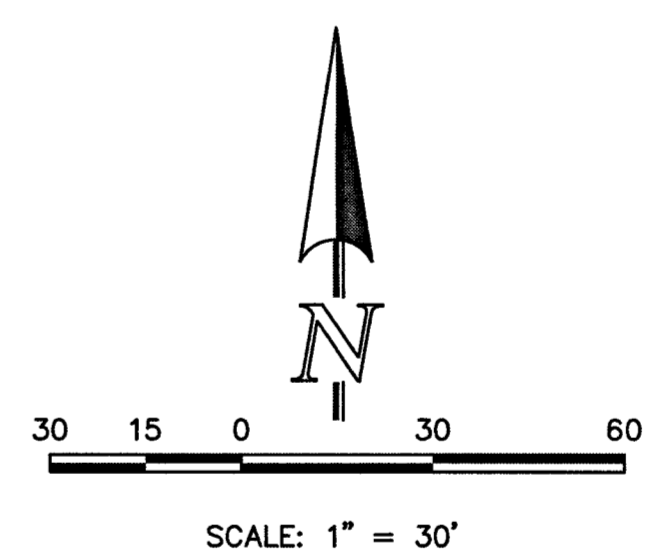
N:\117550\URANMGS\CONSTRUC\TOM\STORMA\311-117550-POND.dwg, 3/4/2020 4:35:31 PM, 1.1



12" LAYER OF AGGREGATE BASE COURSE OR CRUSHED GRAVEL OVER COMPACTED SUBGRADE TO ELEVATION 7035.00 (EURY ELEVATION)  
8" LAYER OF AGGREGATE BASE COURSE OR CRUSHED GRAVEL ABOVE 7035.00.

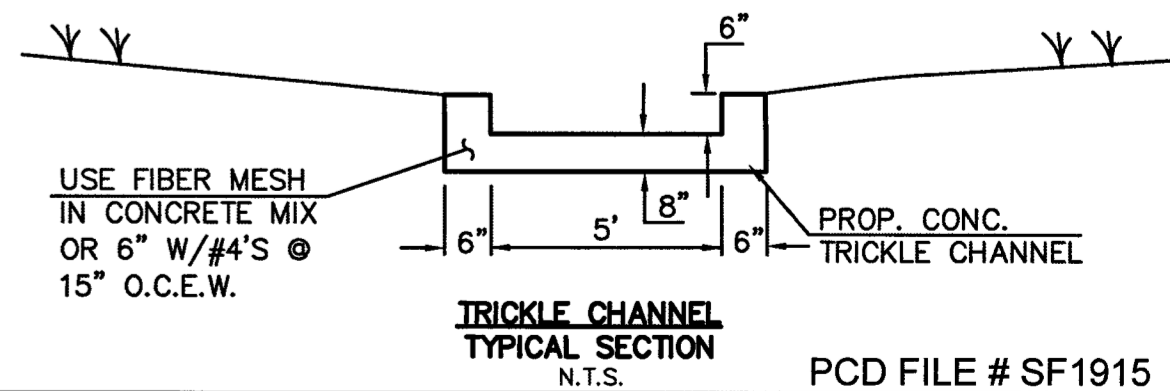


NOTES:  
PROPOSED SIGN SHALL BE FABRICATED OF DURABLE MATERIALS, SUCH AS METAL OR PLASTIC, USING RED LETTERING ON A WHITE BACKGROUND



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

ACCESS ROAD



POND 'C'

PCD FILE # SF1915

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

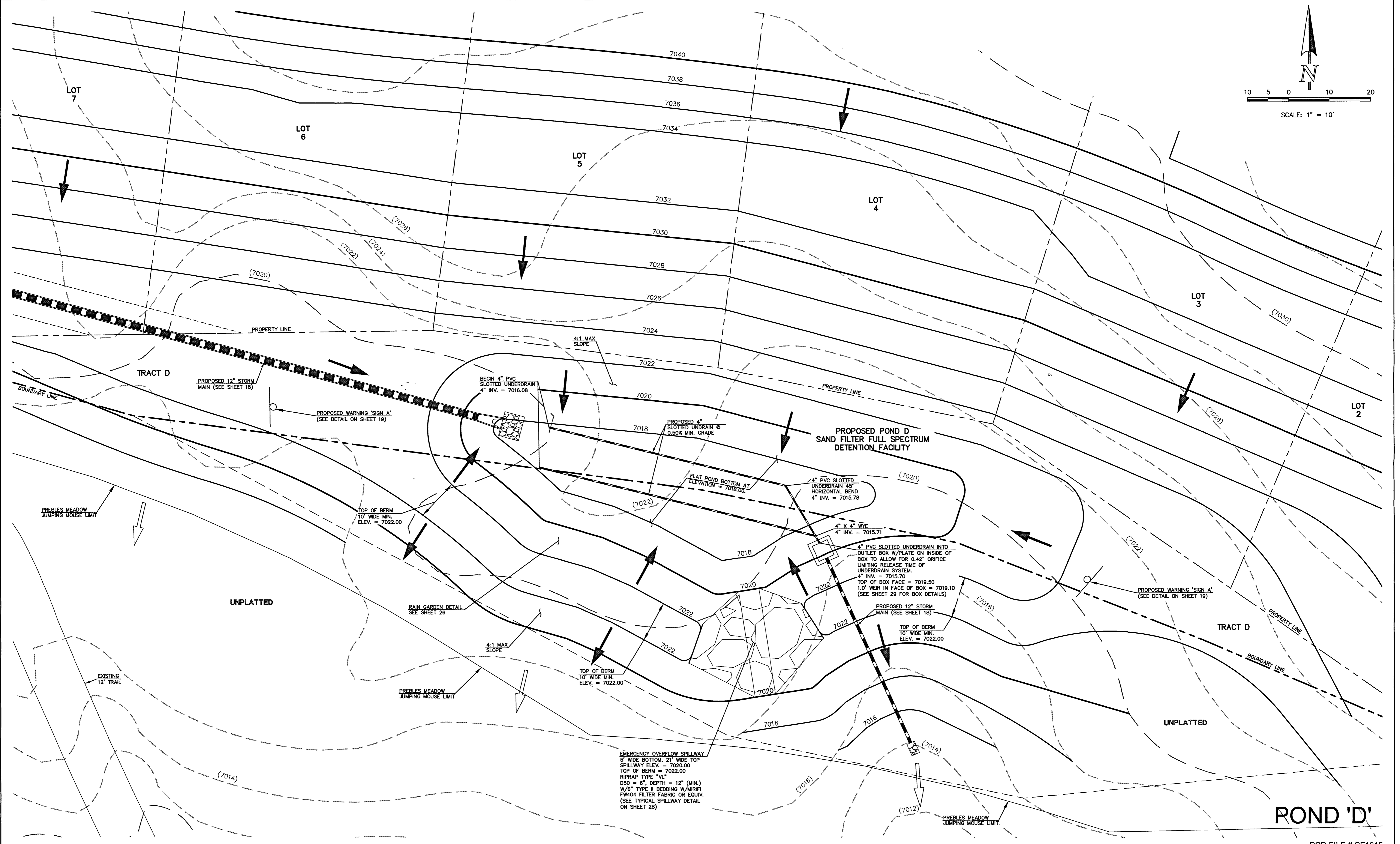
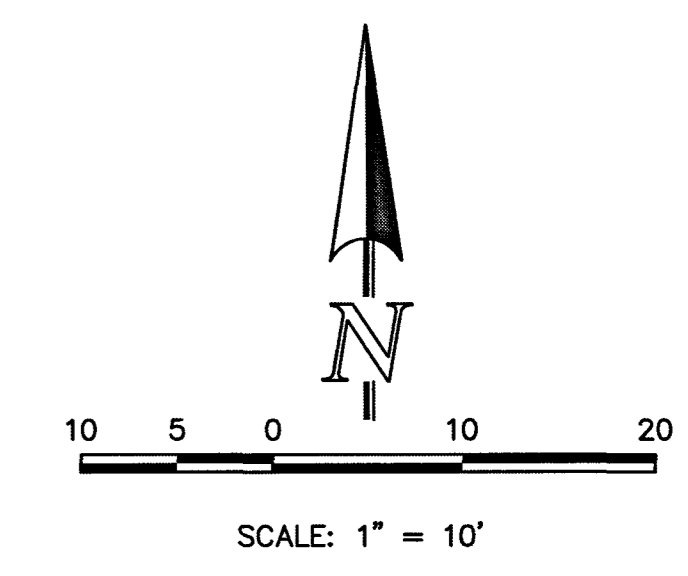
48 HOURS BEFORE YOU DIG,  
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NO.	REVISION	DATE

REVIEW:  
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS LICENSED  
KYLE R. EXAMPBELL, COLORADO P.E. #28194

FOREST LAKES FILING NO. 5 CONSTRUCTION DRAWINGS POND 'C' EDB - FULL SPECTRUM DETENTION			
DESIGNED BY	MAL	SCALE	DATE 07/14/19
DRAWN BY	BB	(H) 1" = 30'	SHEET 19 OF 32
CHECKED BY	(V) 1" =	JOB NO.	1175.50



**POND 'D'**

PCD FILE # SF1915

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

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:

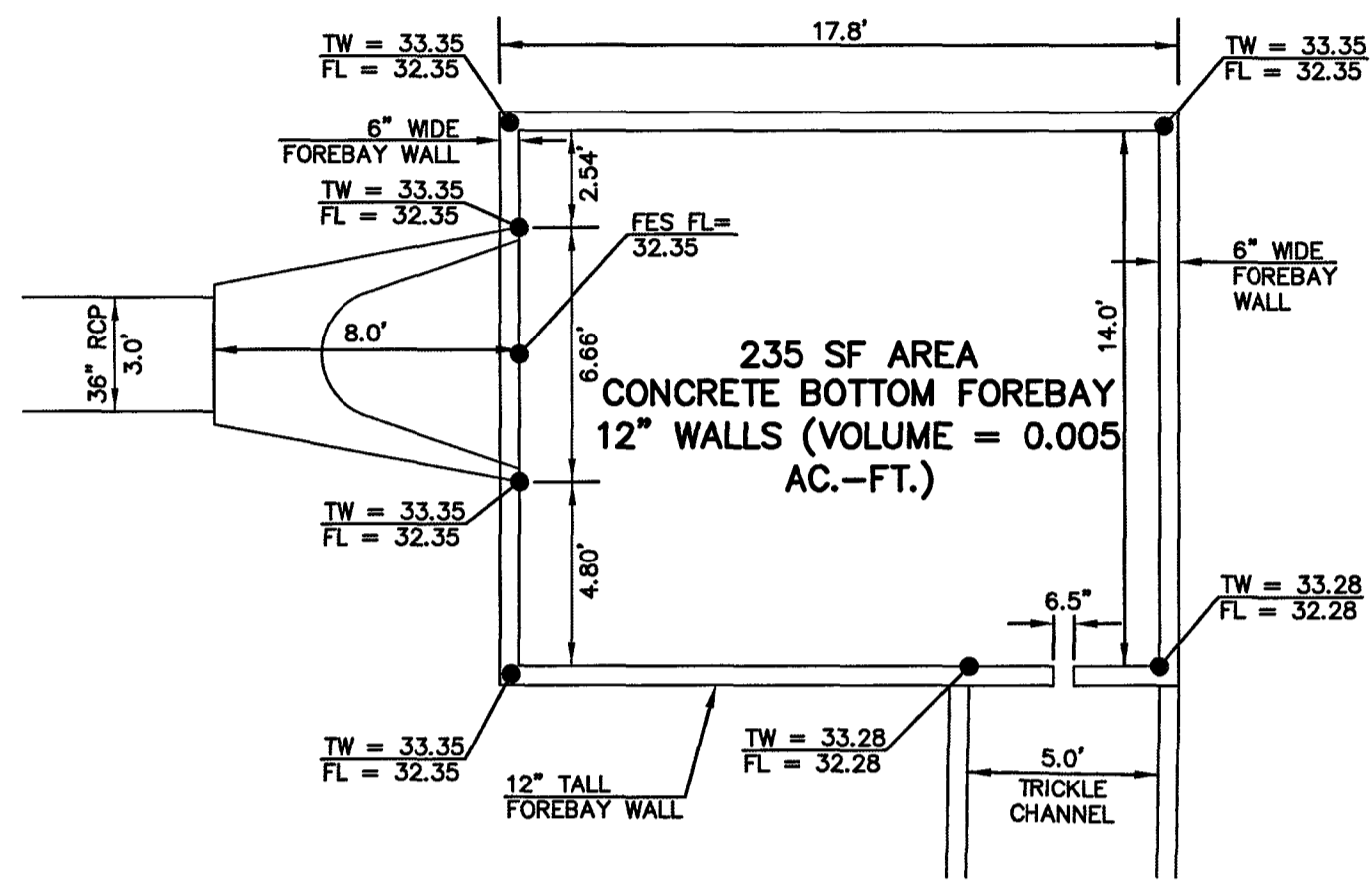
PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS

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

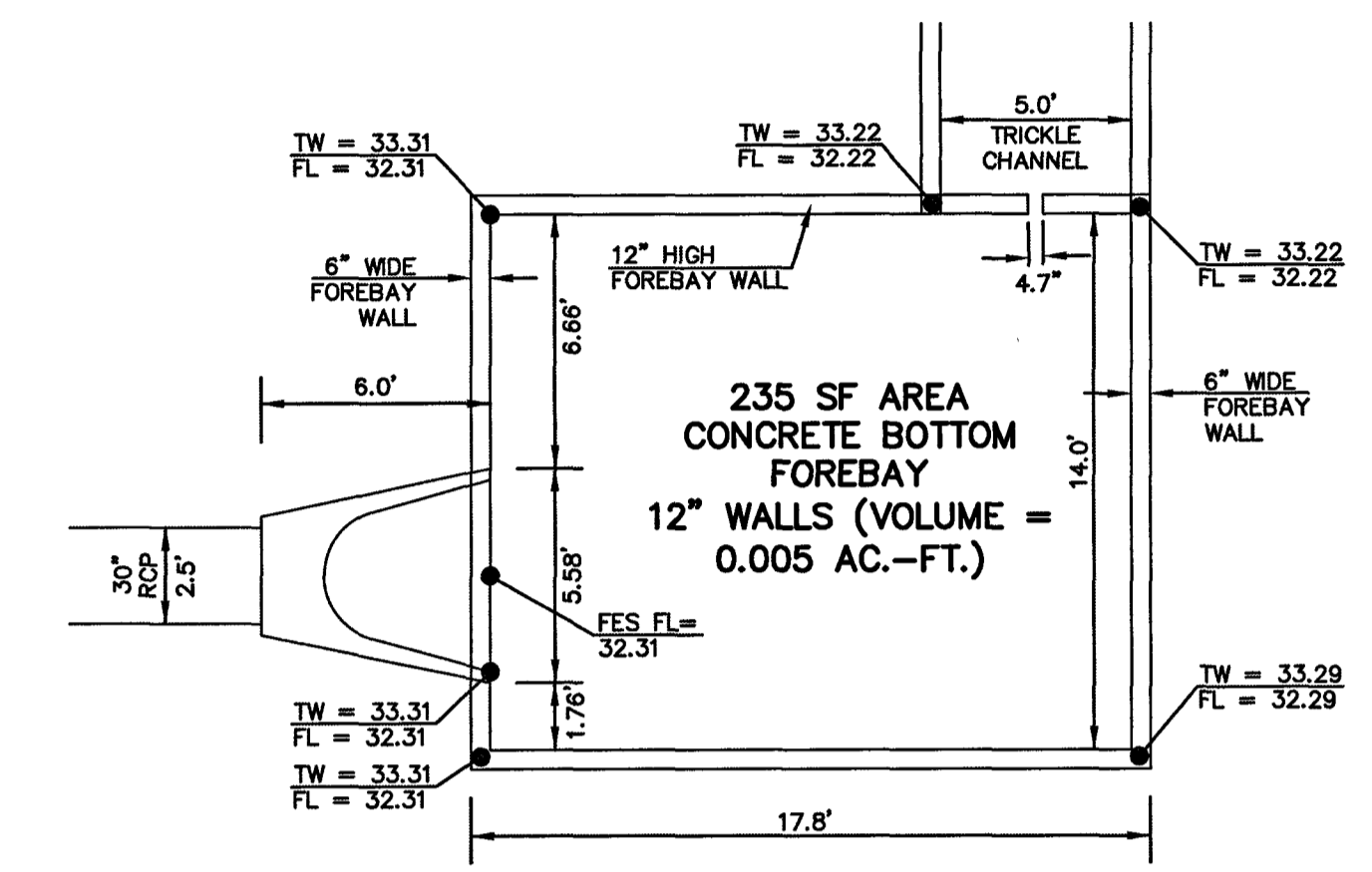
619 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903  
(719)785-0790  
(719)785-0799(Fax)

FOREST LAKES FILING NO. 5 CONSTRUCTION DRAWINGS			
POND 'D' SAND FILTER FULL SPECTRUM DETENTION			
DESIGNED BY	MAL	SCALE	DATE 07/14/19
DRAWN BY	BB	(H) 1" = 10'	SHEET 20 OF 32
CHECKED BY	(V) 1" =		JOB NO. 1175.50

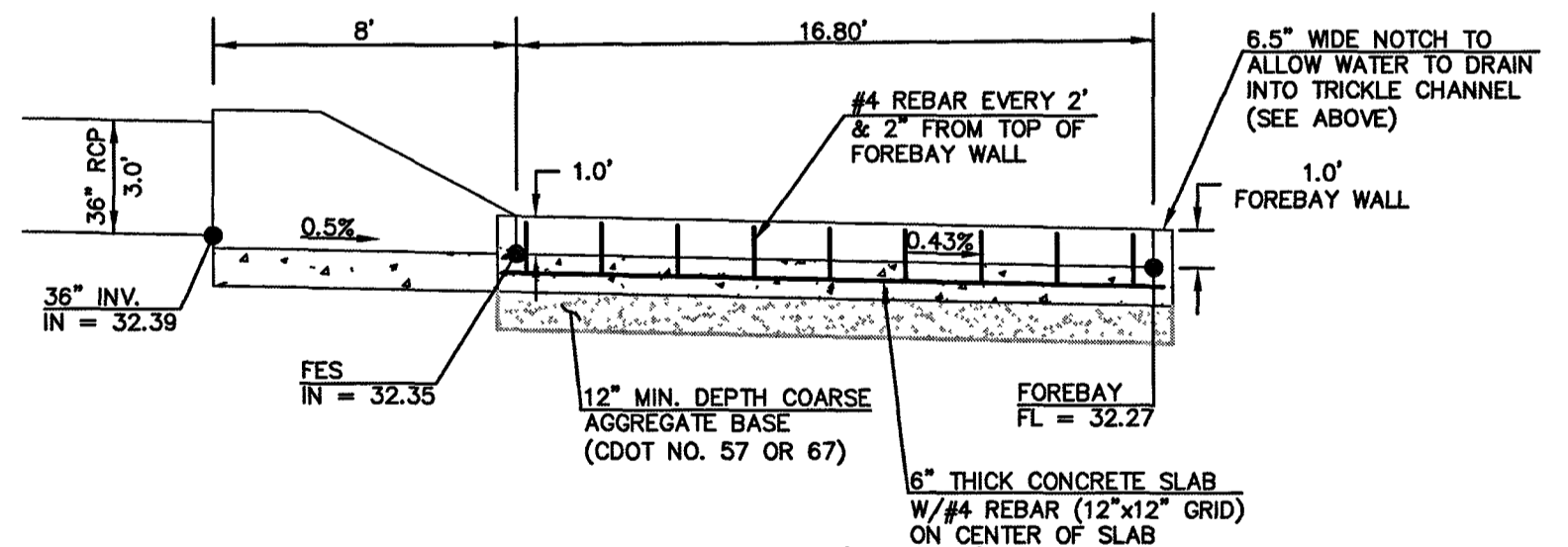
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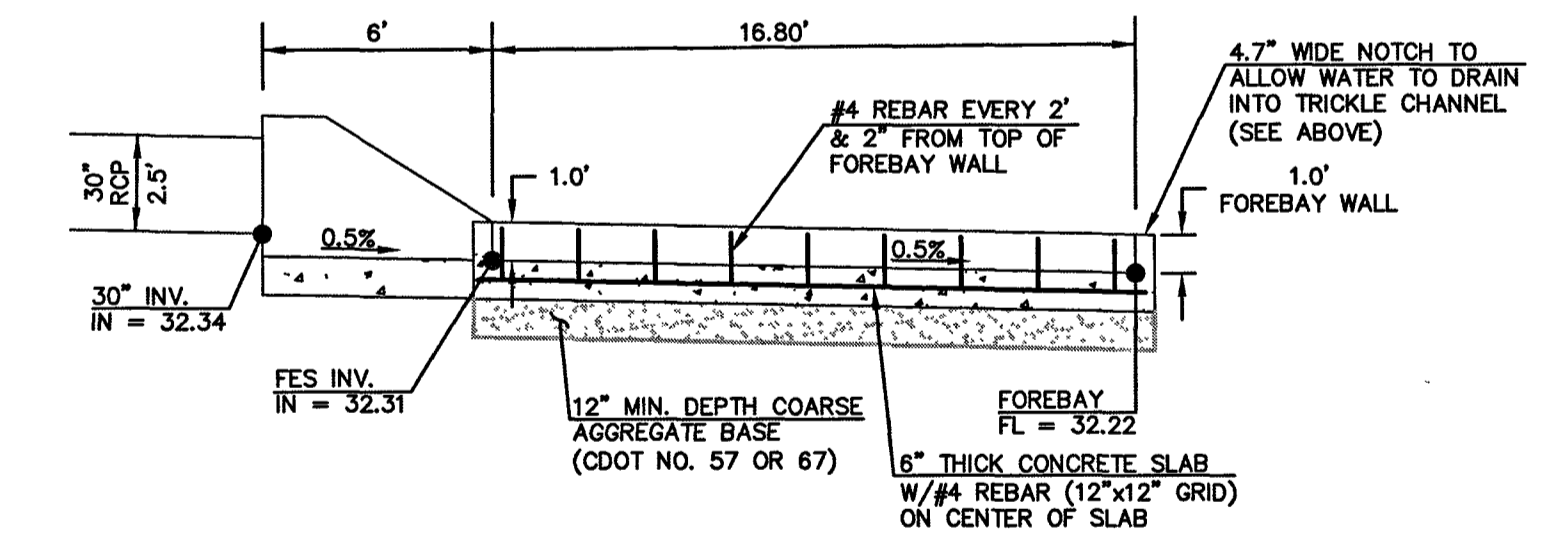
**FOREBAY 'MAIN F'**  
**36" RCP FOREBAY & FLARED END STRUCTURE - PLAN VIEW**  
 SCALE 1" = 5'



**FOREBAY 'MAIN A'**  
**30" RCP FOREBAY & FLARED END STRUCTURE - PLAN VIEW**  
 SCALE 1" = 5'



**FOREBAY 'MAIN F'**  
**36" RCP FOREBAY & FLARED END STRUCTURE - PROFILE VIEW**  
 SCALE 1" = 5'



**FOREBAY 'MAIN A'**  
**30" RCP FOREBAY & FLARED END STRUCTURE - PROFILE VIEW**  
 SCALE 1" = 5'

# POND 'C'

PCD FILE # SF1915

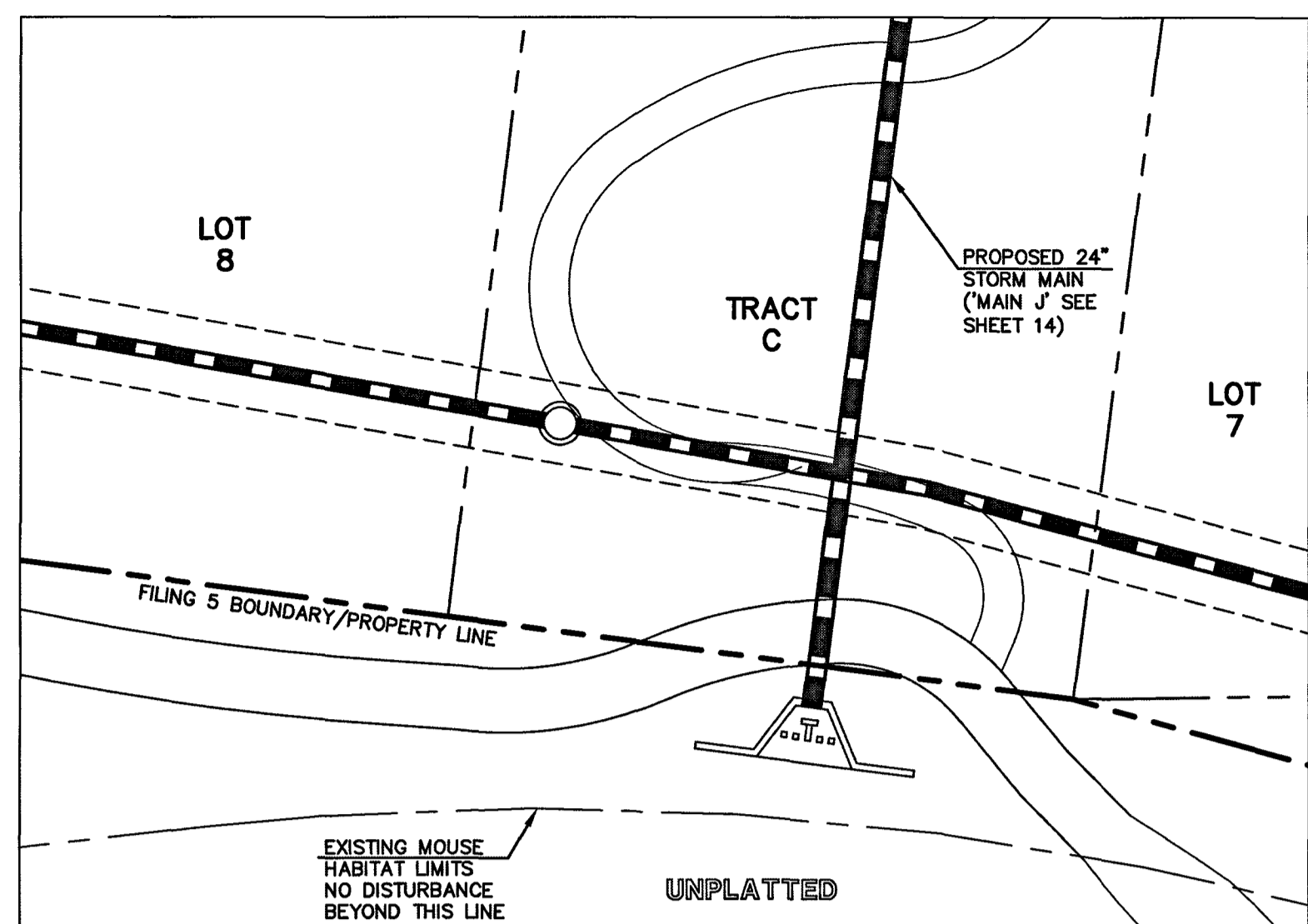
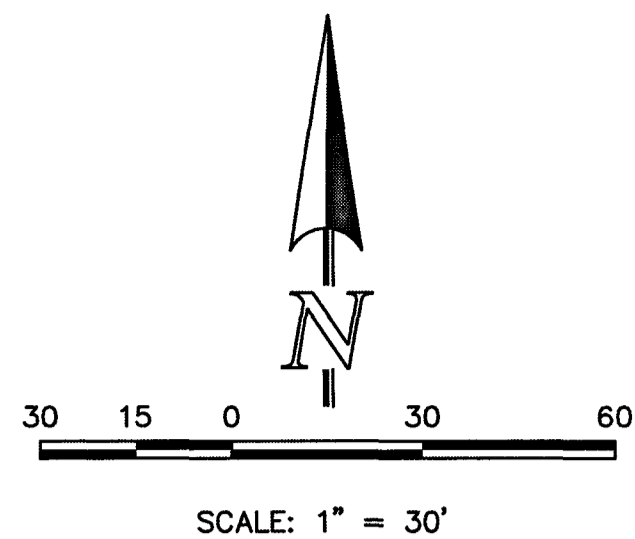
<p>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS</p> <p><b>811</b></p> <p>UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW</p> <p>THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE 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:

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

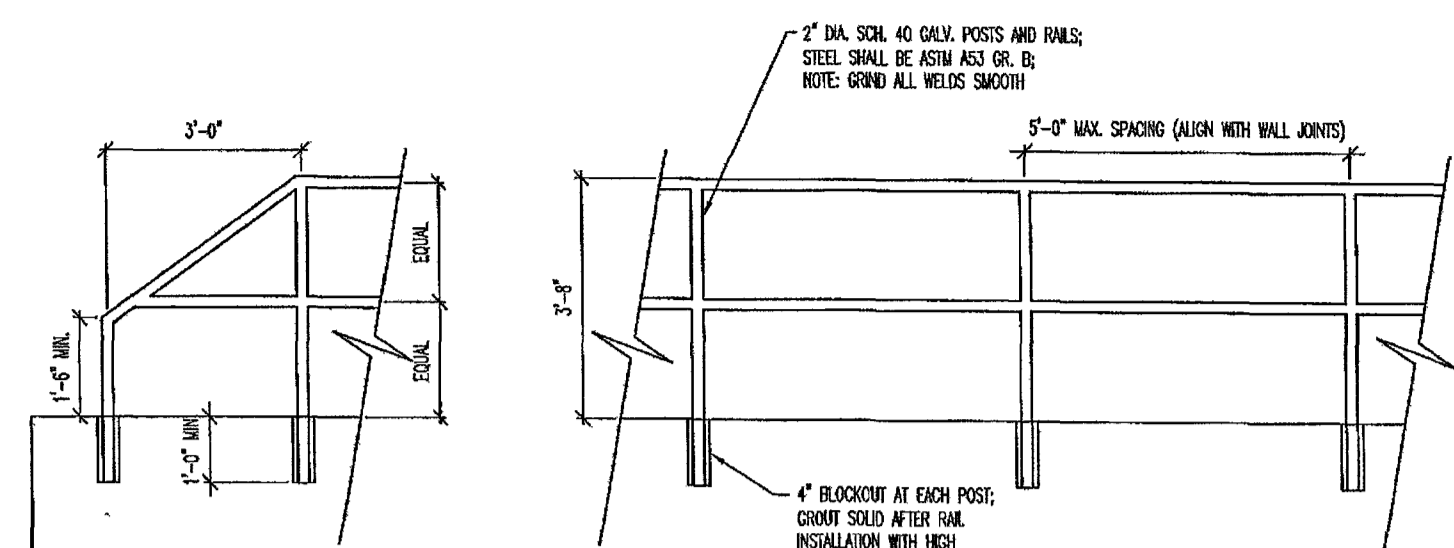
*Kyle R. Campbell*  
 KYLE R. CAMPBELL, COLORADO - P.E. #29794  
 2/2/20

FOREST LAKES FILING NO. 5 CONSTRUCTION DRAWINGS			
FOREBAY 'MAIN A' / 'MAIN F' STRUCTURES			
DESIGNED BY	MAL	SCALE	DATE 07/14/19
DRAWN BY	BB	(H) 1" = 5'	SHEET 21 OF 32
CHECKED BY	(V) 1" = N/A	JOB NO.	1175.50



**'MAIN J' POND OUTLET IMPACT STRUCTURE-PLAN VIEW**

SCALE 1" = 20'



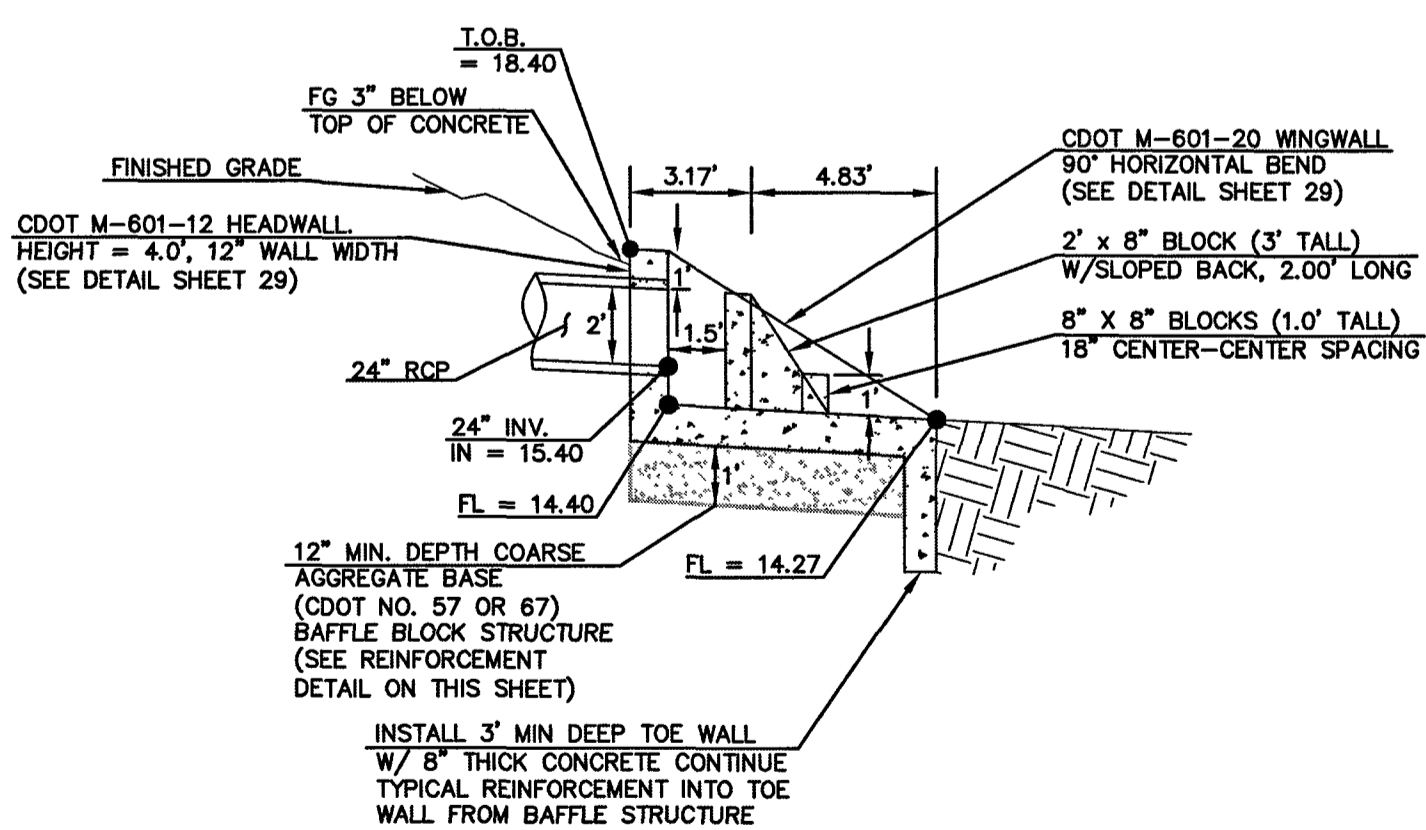
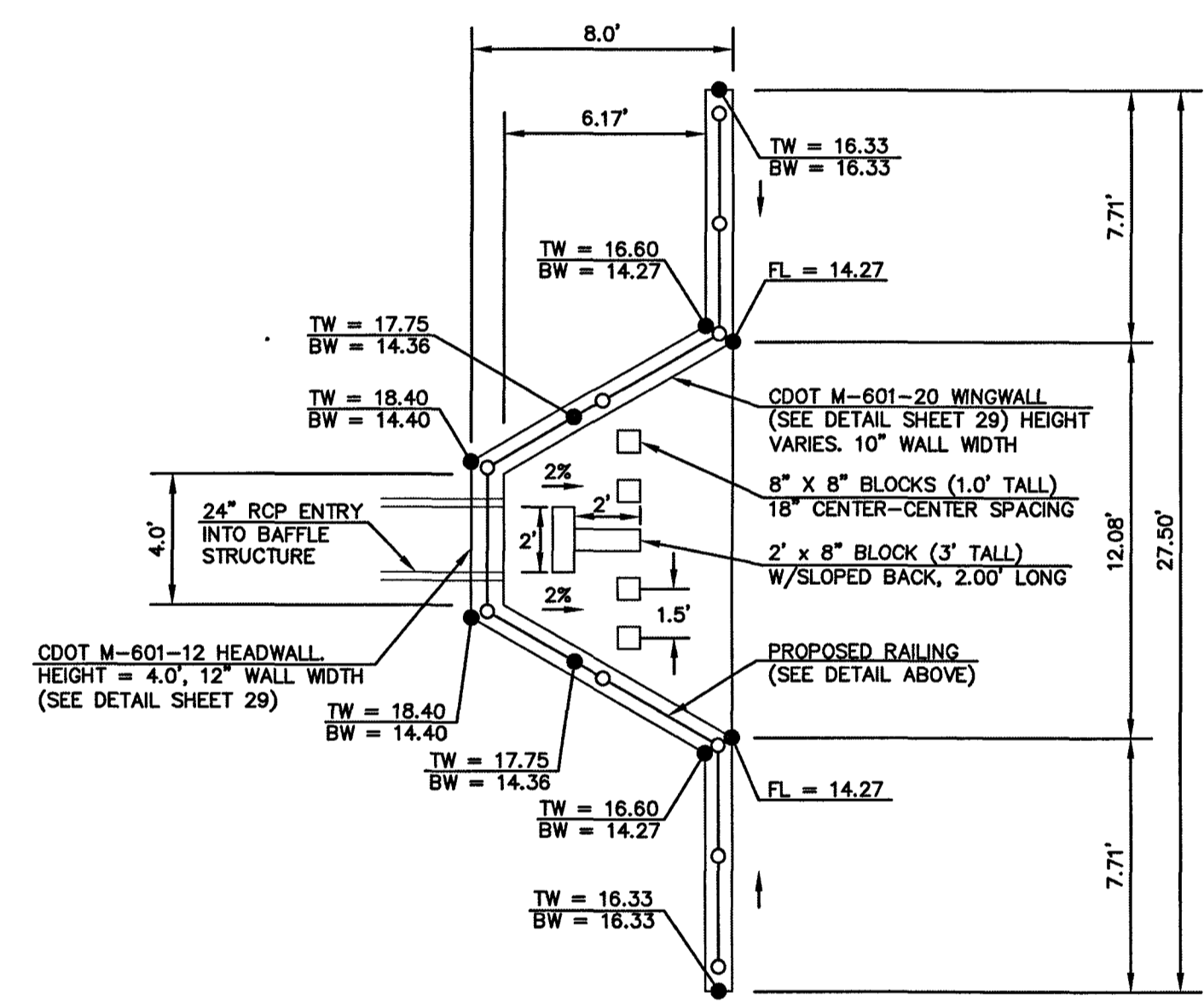
**MICROPOOL RAILING**

NOTES:

1. WELD PLATES MAY BE SUBSTITUTED FOR PIPE EMBEDMENT. DESIGN CRITERIA SHALL BE IN ACCORDANCE WITH AASHTO STANDARDS.
2. HANDRAIL DESIGN SHALL BE COMPATIBLE WITH THE DESIGN OF THE WINGWALLS AND HEADWALLS.
3. RAILING POSTS SHALL BE SET TO NORMAL TO GRADE. RAILS SHALL RUN PARALLEL TO THE SLOPES OF TOPS OF THE WALLS.
4. ALL RAILS SHALL HAVE EXPANSION JOINTS SPACED AT 40'-0" MAX. JOINT ENDS SHALL BE FREE OF ANY SHARP EDGES OR CORNERS.

**OUTLET BOX RAILING**

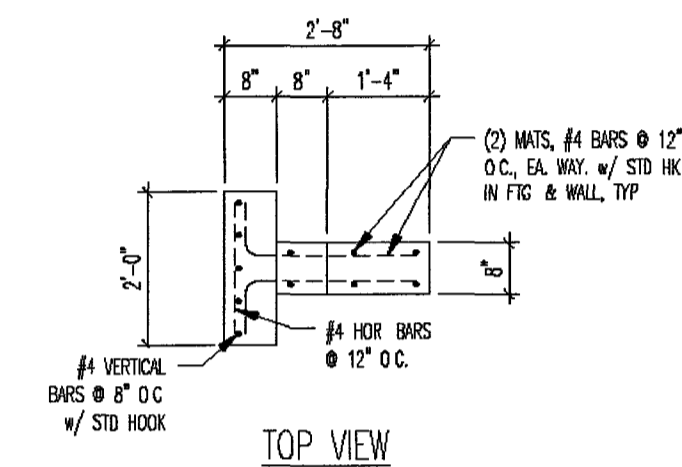
N.T.S.



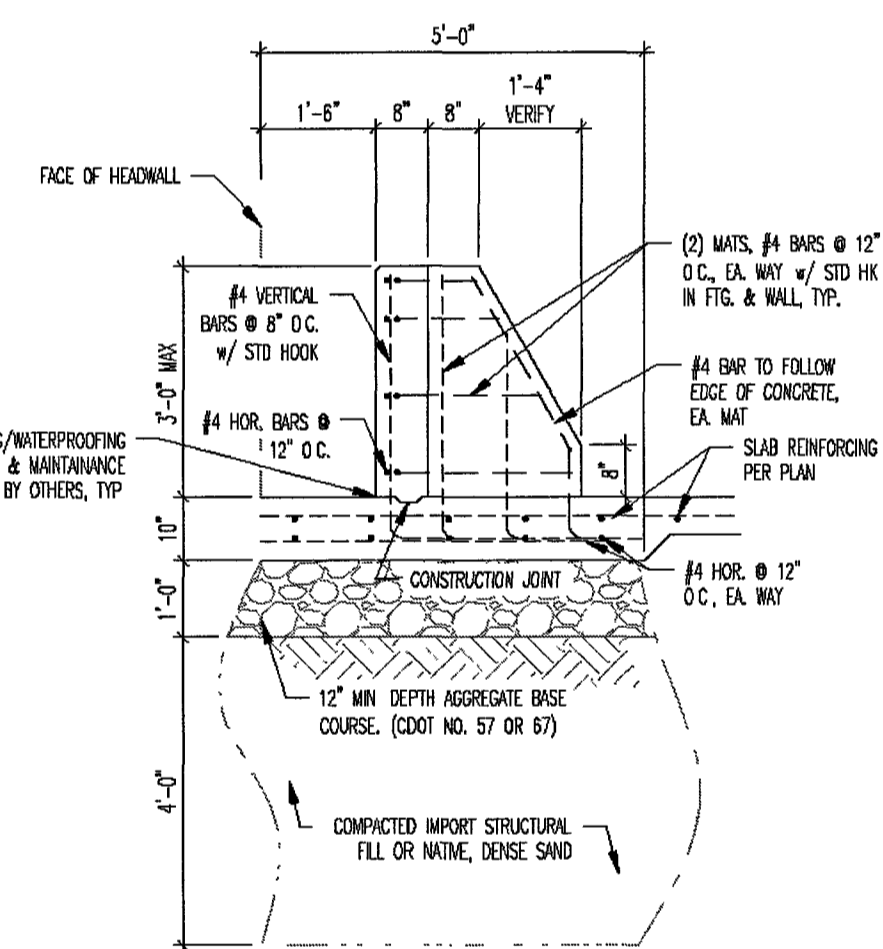
**'MAIN J' POND OUTLET IMPACT STRUCTURE**

SCALE 1" = 5'

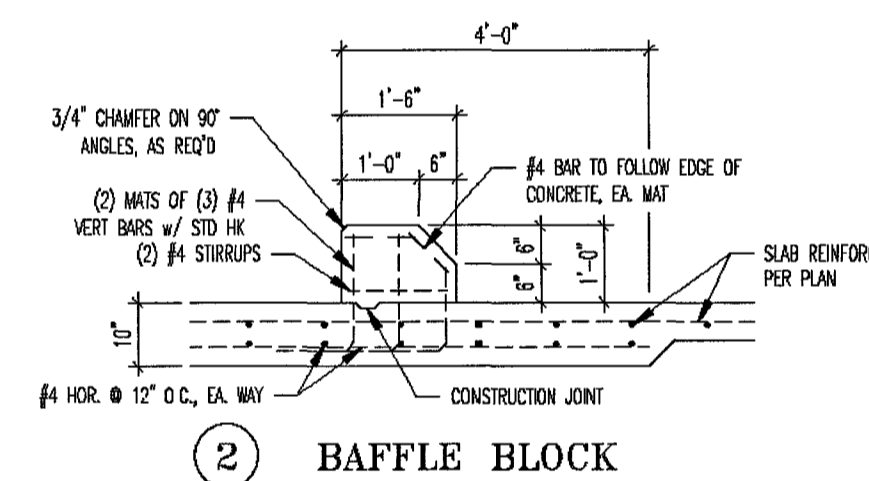
# POND "C" OUTLET



**TOP VIEW**



**1 Baffle Structure**



**2 Baffle Block**

**BAFFLE REINFORCING**  
N.T.S.

# POND 'C' OUTLET

PCD FILE # SF1915

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

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

*[Signature]*  
DATE

**CLASSIC CONSULTING**

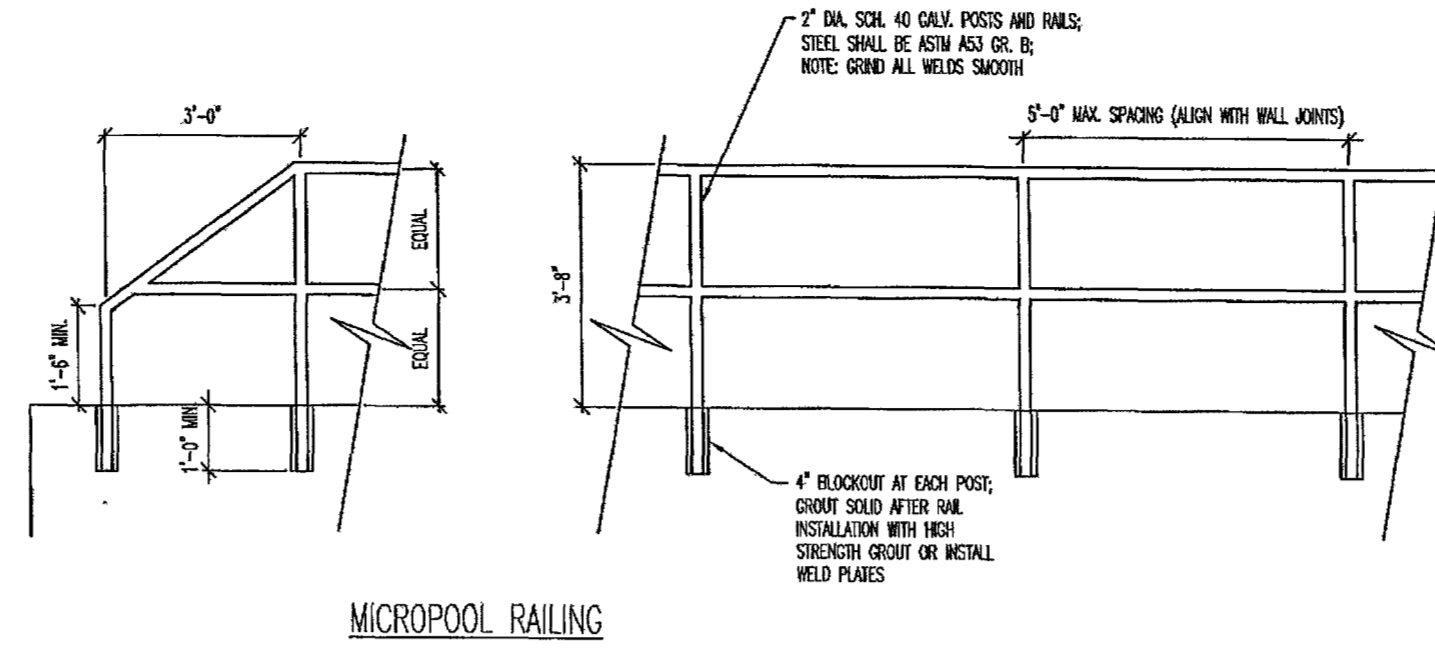
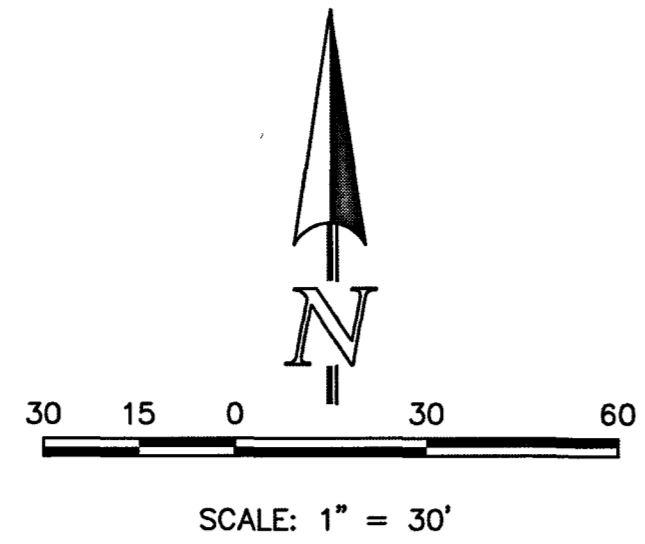
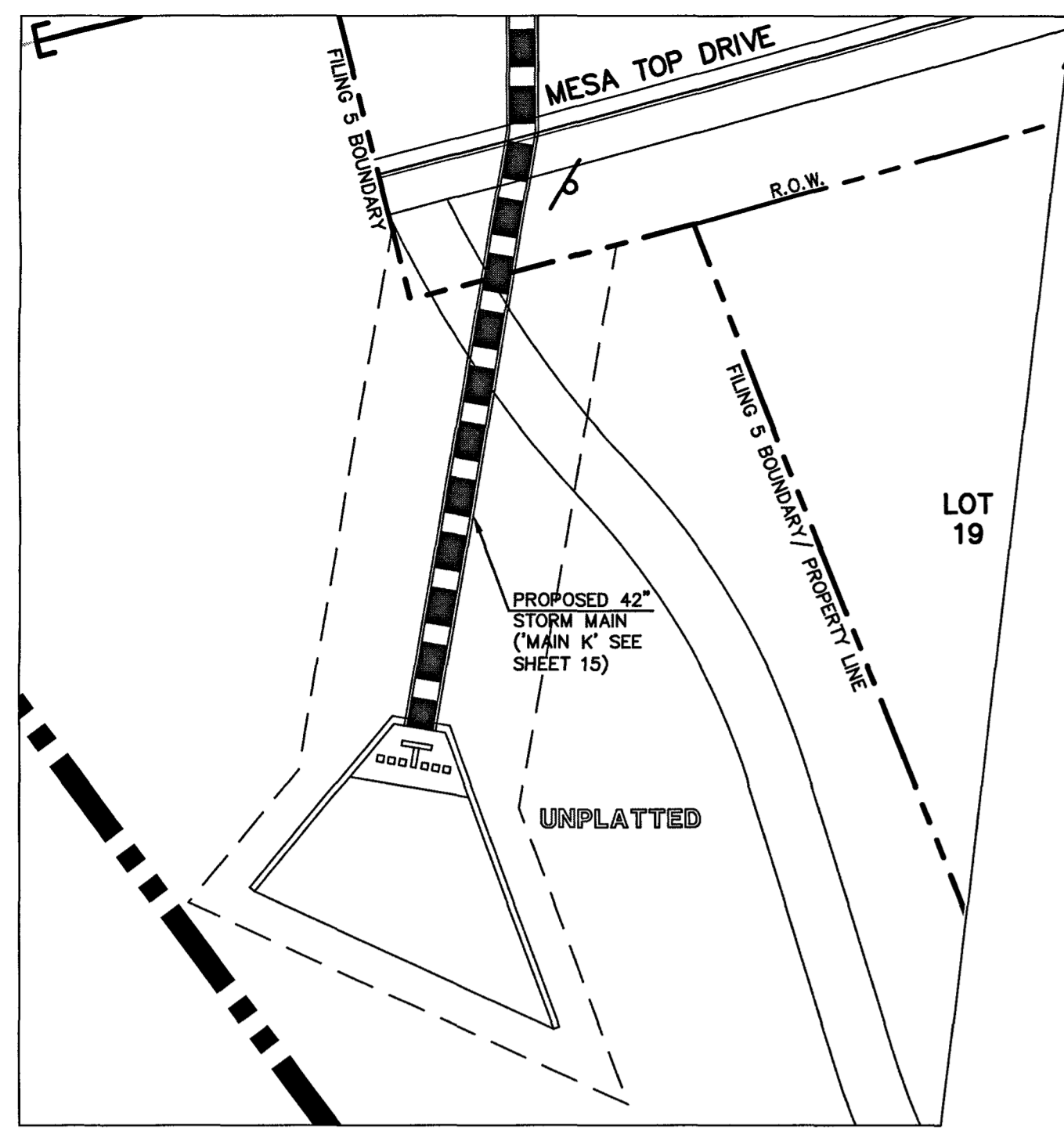
619 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903

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

FOREST LAKES FILING NO. 5 CONSTRUCTION DRAWINGS			
'MAIN J' IMPACT STRUCTURE W/ REINFORCING			
DESIGNED BY	MAL	SCALE	DATE
DRAWN BY	BB	(H) 1" = 5'	SHEET 22 OF 32
CHECKED BY	(V) 1" = N/A	JOB NO.	1175.50



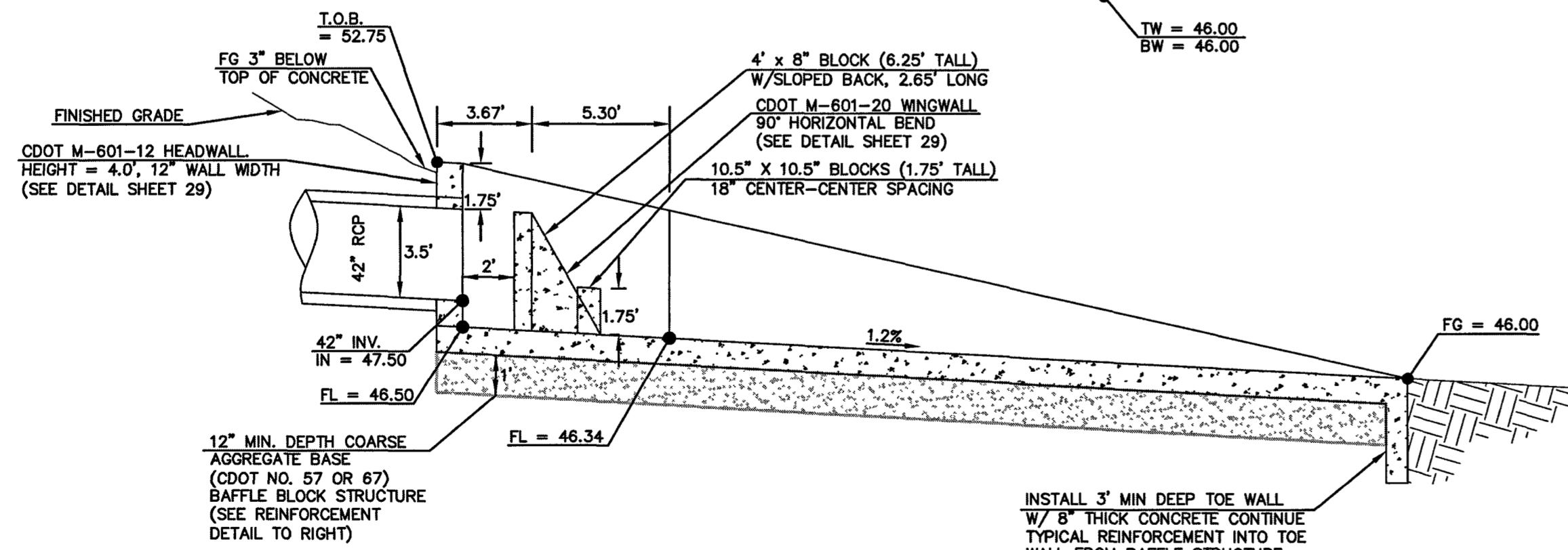
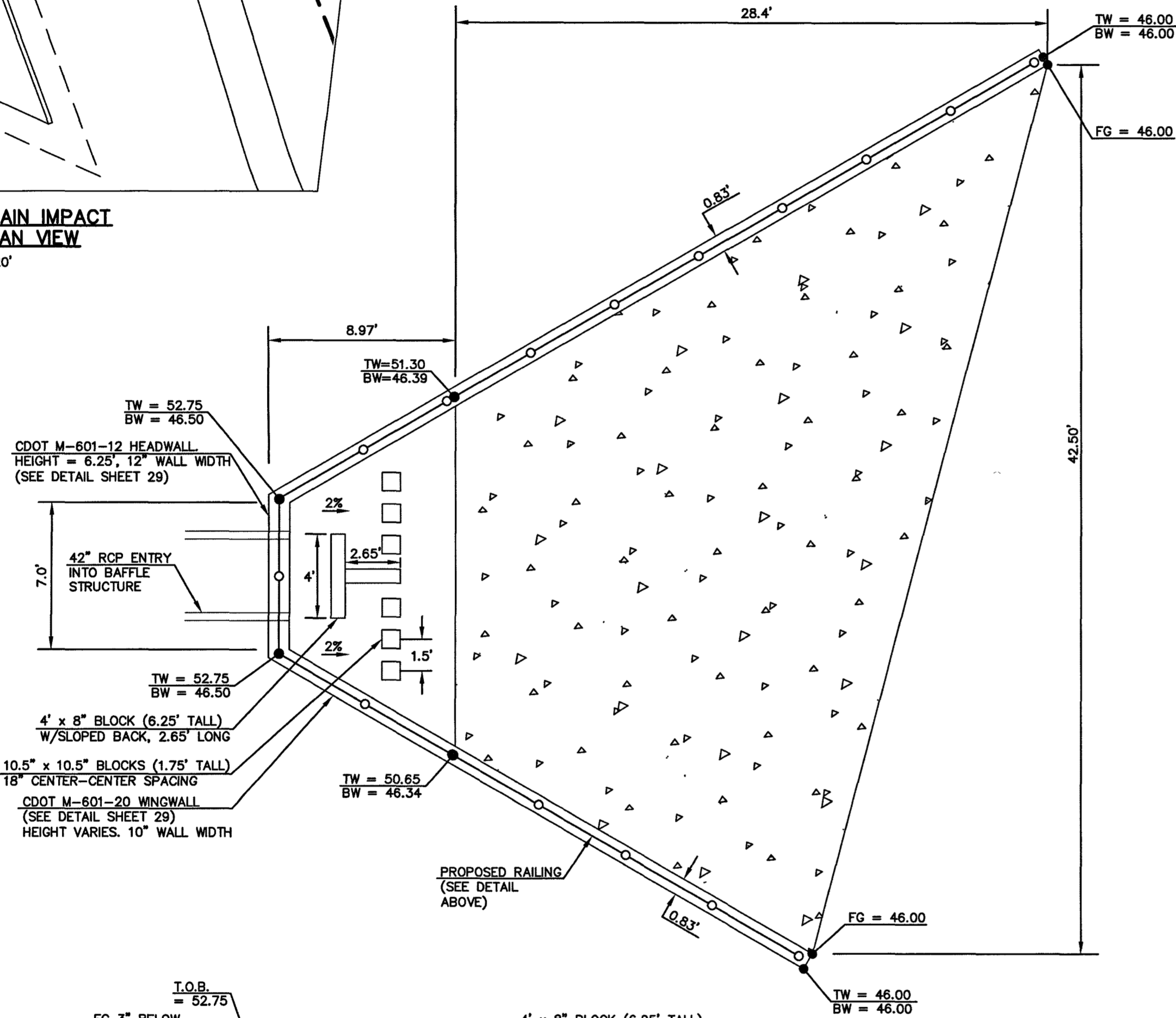
N:\177550\DRAWINGS\CONSTRUCTION\STORM\22-117550-POND.dwg, 3/2/2020 11:02:32 AM, 1:1



- NOTES:
1. WELD PLATES MAY BE SUBSTITUTED FOR PIPE EMBEDMENT.
  2. DESIGN CRITERIA SHALL BE IN ACCORDANCE WITH AASHTO STANDARDS.
  3. HANDRAIL DESIGN SHALL BE COMPATIBLE WITH THE DESIGN OF THE WINGWALLS AND HEADWALLS.
  4. RAILING POSTS SHALL BE SET TO NORMAL TO GRADE. RAILS SHALL RUN PARALLEL TO THE SLOPES OF TOPS OF THE WALLS.
  5. ALL RAILS SHALL HAVE EXPANSION JOINTS SPACED AT 40'-0" MAX. JOINT ENDS SHALL BE FREE OF ANY SHARP EDGES OR CORNERS.

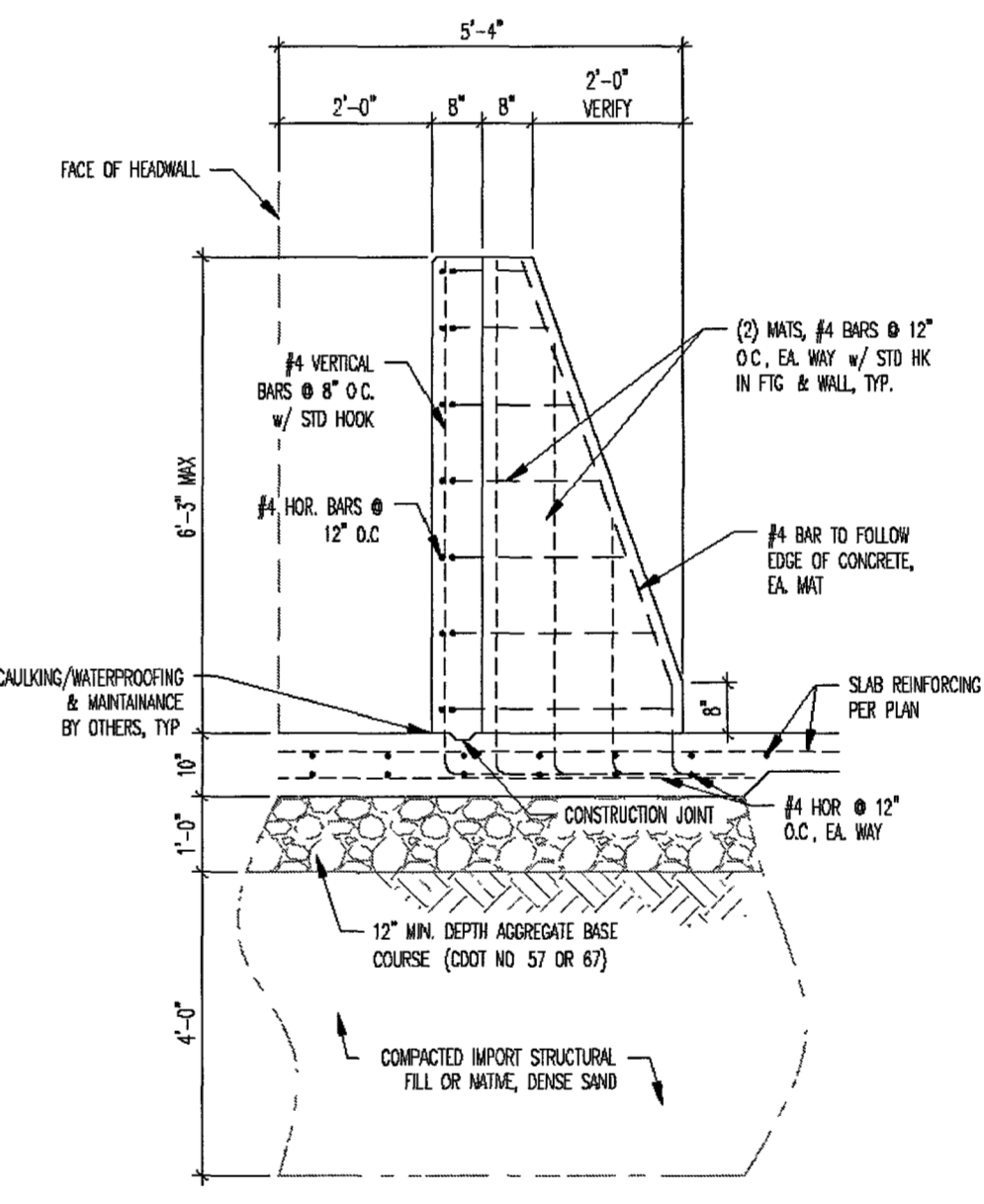
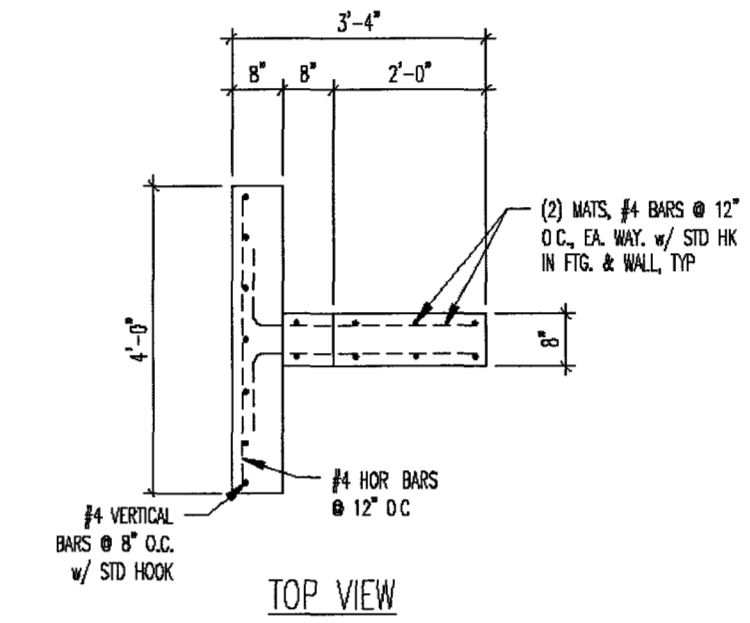
**OUTLET BOX RAILING**  
N.T.S.

**'MAIN K' BYPASS MAIN IMPACT STRUCTURE - PLAN VIEW**  
SCALE 1" = 20'

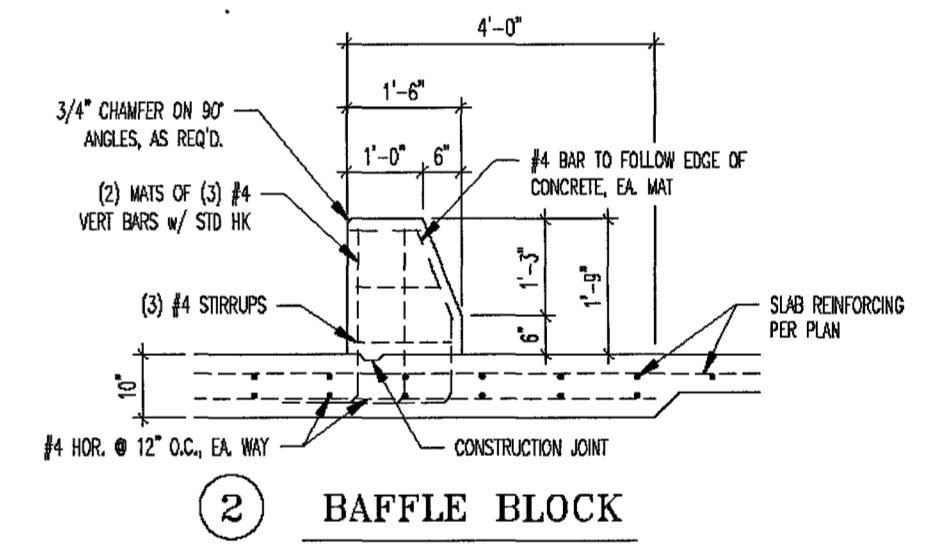


**'MAIN K' BYPASS MAIN IMPACT STRUCTURE**  
SCALE 1" = 5'

## BYPASS OUTLET



**1 BAFFLE STRUCTURE**



**2 BAFFLE BLOCK**

**BAFFLE REINFORCING**  
N.T.S.

## BYPASS OUTLET

PCD FILE # SF1915

<p>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS</p> <p><b>811</b></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:

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

*Kyle R. Campbell*  
KYLE R. CAMPBELL, COLORADO P.E. #29734  
DATE: 7/14/19

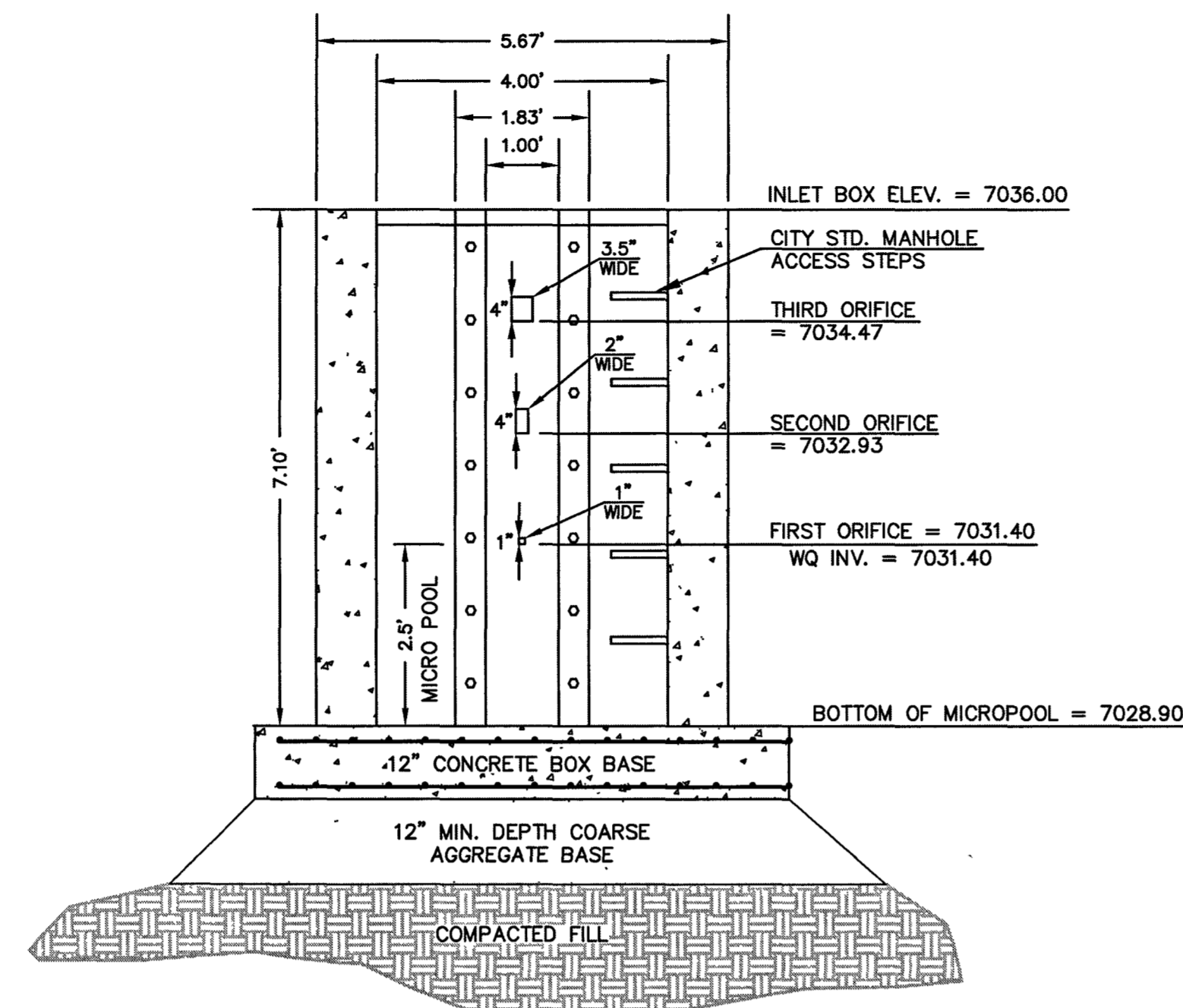
**CLASSIC CONSULTING**

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

FOREST LAKES FILING NO. 5 CONSTRUCTION DRAWINGS			
'MAIN K' IMPACT STRUCTURE W/ REINFORCING			
DESIGNED BY	MAL	SCALE	DATE
DRAWN BY	BB	(H) 1" = 5'	SHEET 23 OF 32
CHECKED BY	(V) 1" = N/A	JOB NO.	1175.50

CLASSIC CONSULTING





**4'x4' OUTLET BOX ORIFICE PLATE**  
SCALE 1" = 2'

INSTALL STEPS PER EL PASO COUNTY SPECS.

(ALL MATERIALS PER EL PASO COUNTY SPECIFICATIONS)

ORIFICE PLATE NOTES:

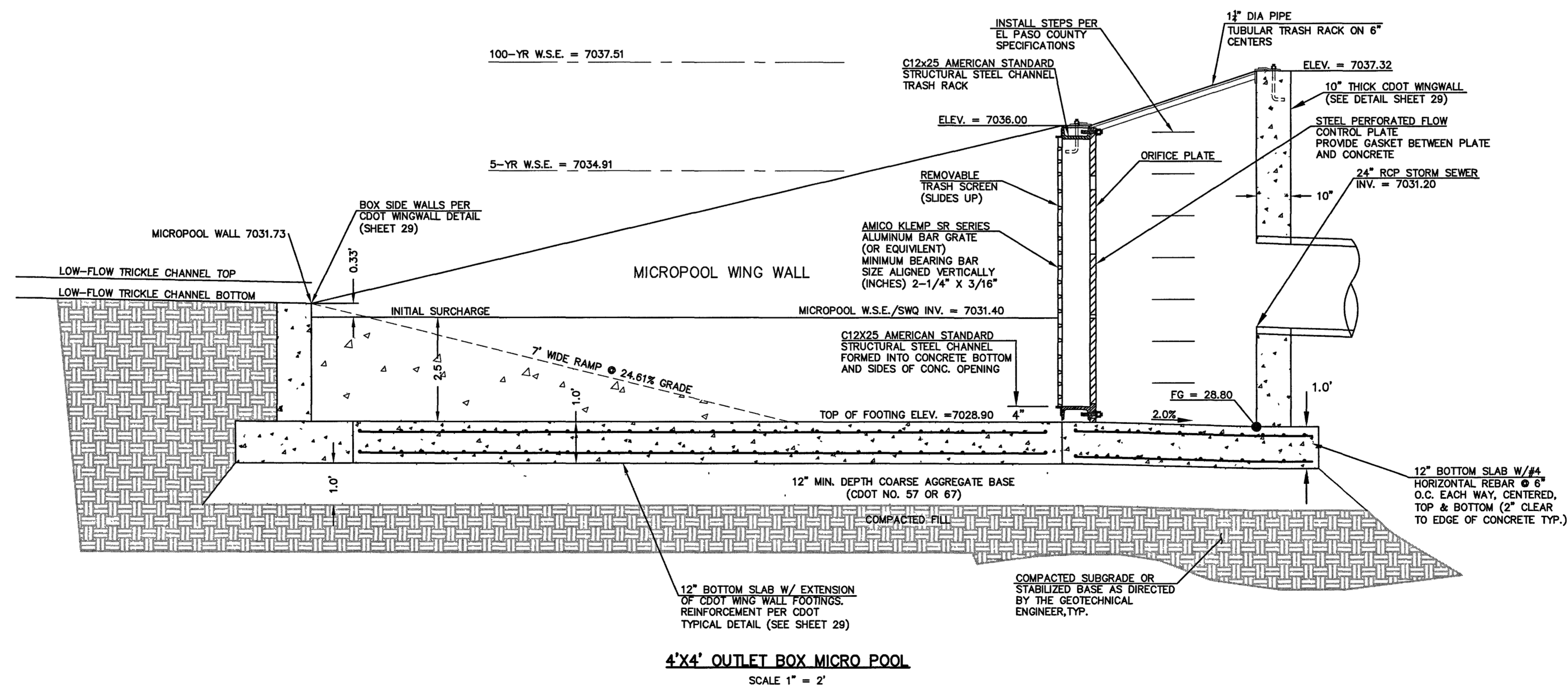
1. INSTALL HOLES AS SHOWN ON DETAIL TO LEFT.
2. PROVIDE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.

EURV AND WQCV TRASH RACKS:

3. WELL-SCREEN TRASH RACKS SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
4. BAR GRATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
5. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF RACK.

OVERFLOW TRASH RACKS:

1. ALL TRASH RACKS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED AND LOCKABLE OR BOLTABLE ACCESS PANELS.
2. 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.
3. TRASH RACKS SHALL BE DESIGNED SUCH THAT THE DIAGONAL DIMENSION OF EACH OPENING IS SMALLER THAN THE DIAMETER OF THE OUTLET PIPE.
4. STRUCTURAL DESIGN OF THE TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.



**4'x4' OUTLET BOX MICRO POOL**  
SCALE 1" = 2'

SPILLWAY ELEVATION = 7041.00

**POND 'C'**

PCD FILE # SF1915

48 HOURS BEFORE YOU DIG,  
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**811**  
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NO.	REVISION	DATE

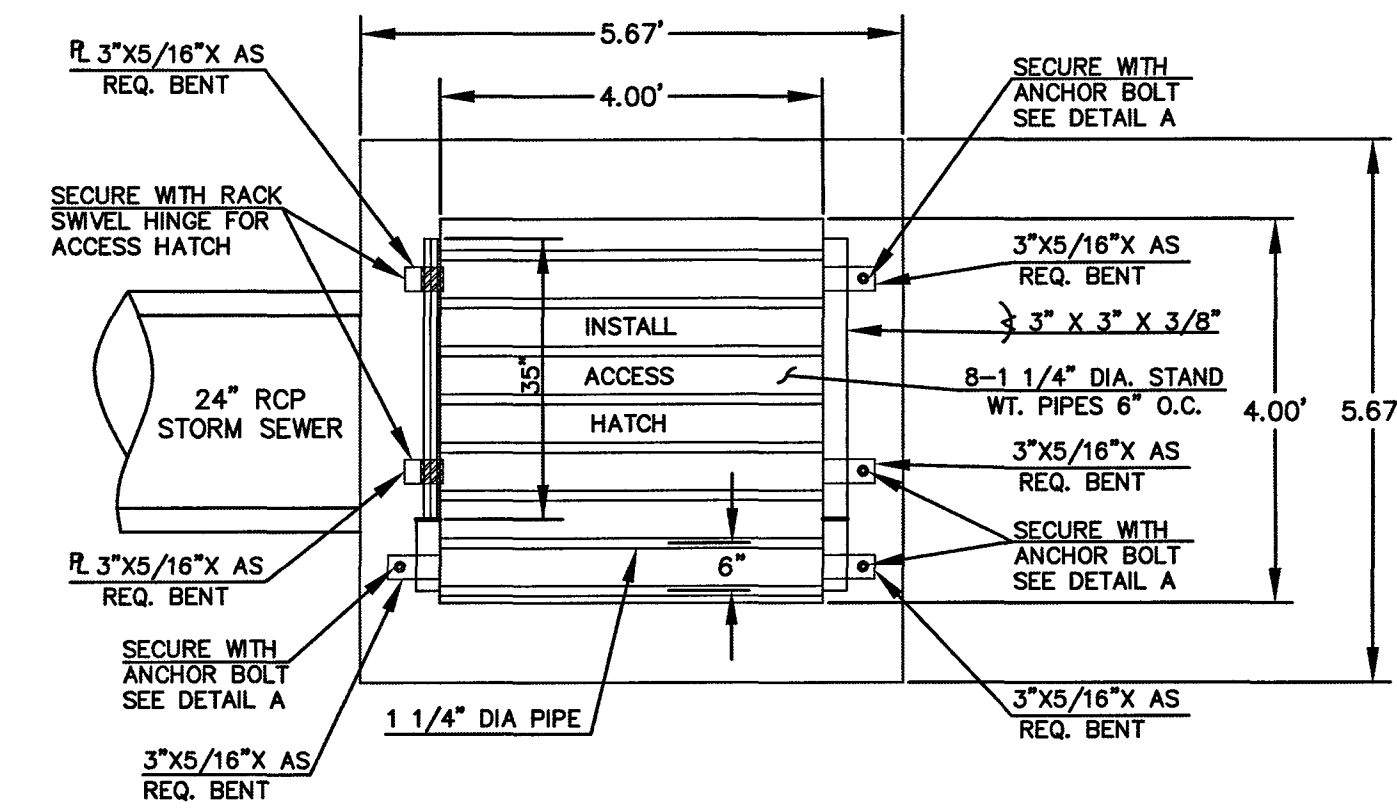
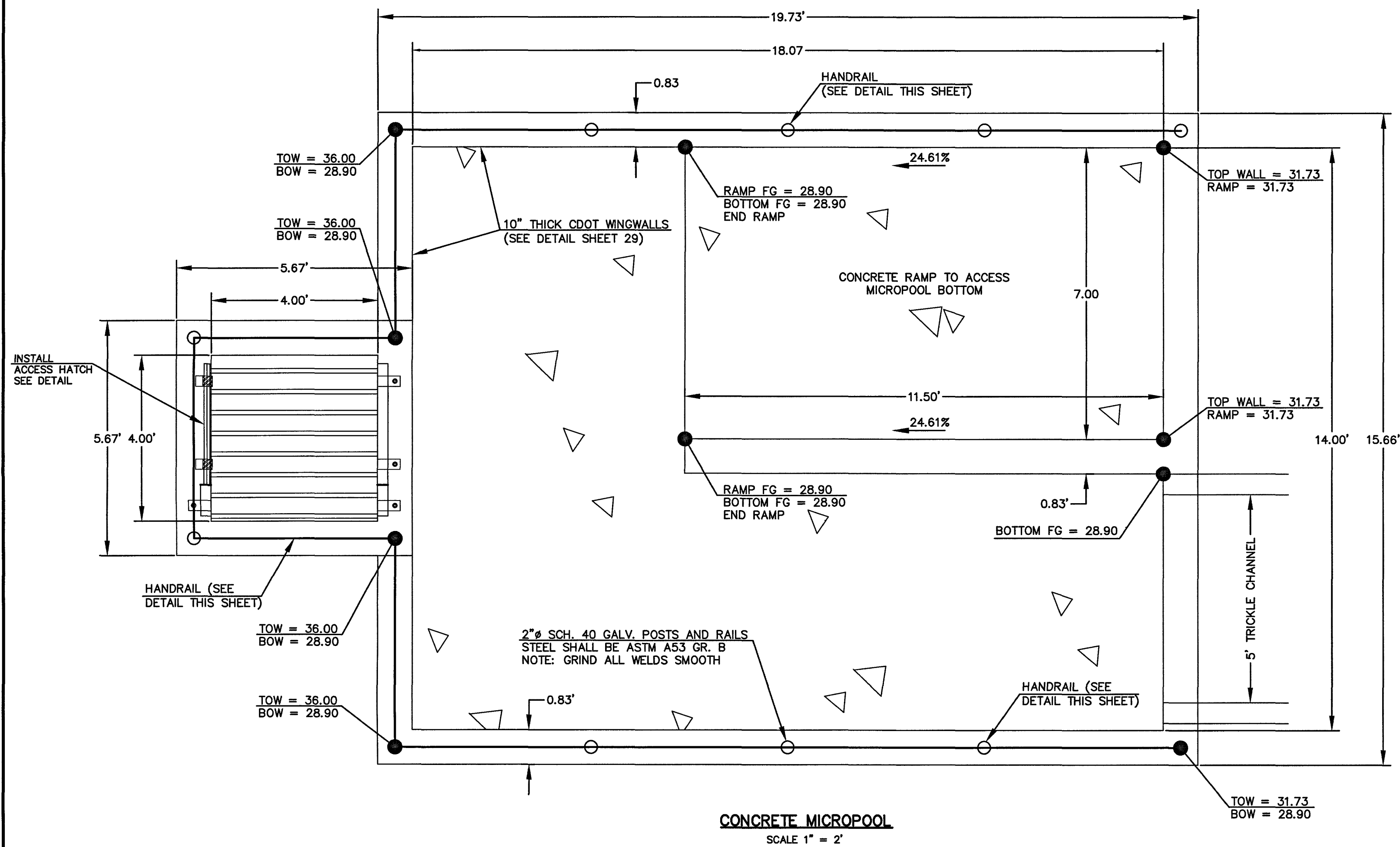
REVIEW:  
PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF  
CLASSIC CONSULTING ENGINEERS AND SURVEYORS  
KYLE R. CAMPBELL, COLORADO P.E. #28734 DATE 7/21/20

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

FOREST LAKES FILING NO. 5 CONSTRUCTION DRAWINGS			
POND OUTLET BOX - PROFILE VIEW			
DESIGNED BY	MAL	SCALE	DATE 07/14/19
DRAWN BY	BB	(H) 1" = 2'	SHEET 24 OF 32
CHECKED BY	(V) 1" = N/A	JOB NO.	1175.50

CLASSIC CONSULTING

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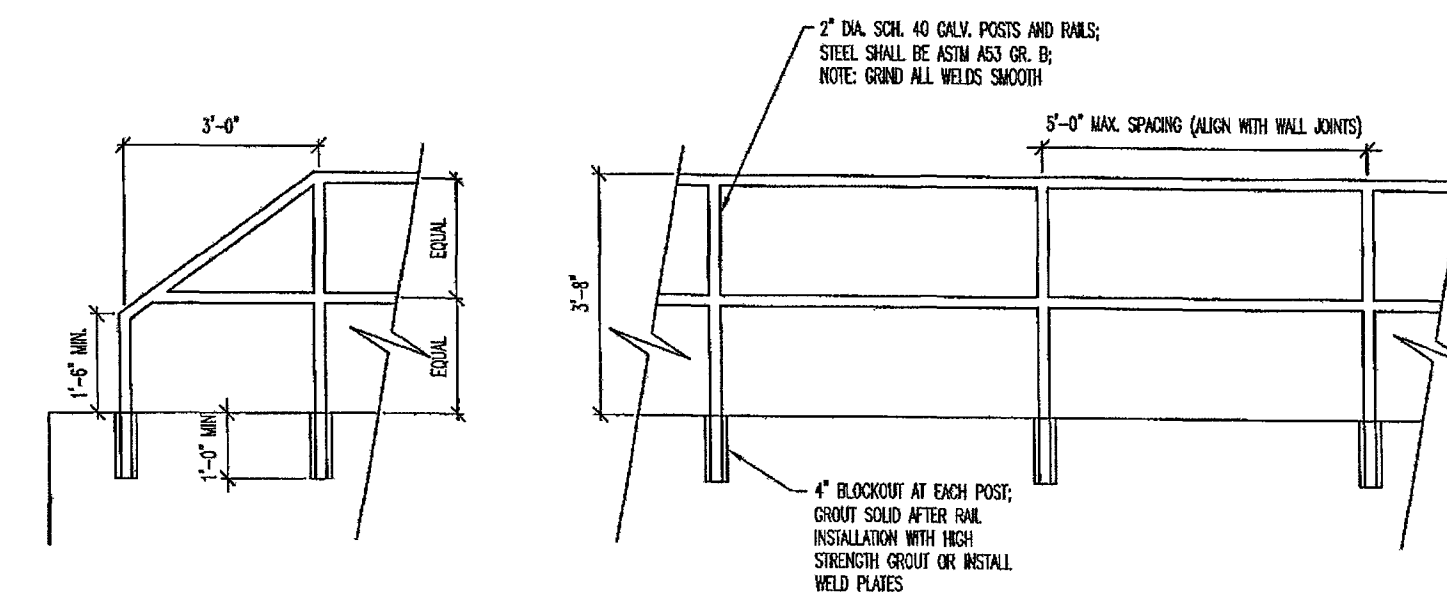
4'x4' OUTLET BOX OVERFLOW TRASH RACK  
SCALE 1" = 2'

**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 = 48 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.
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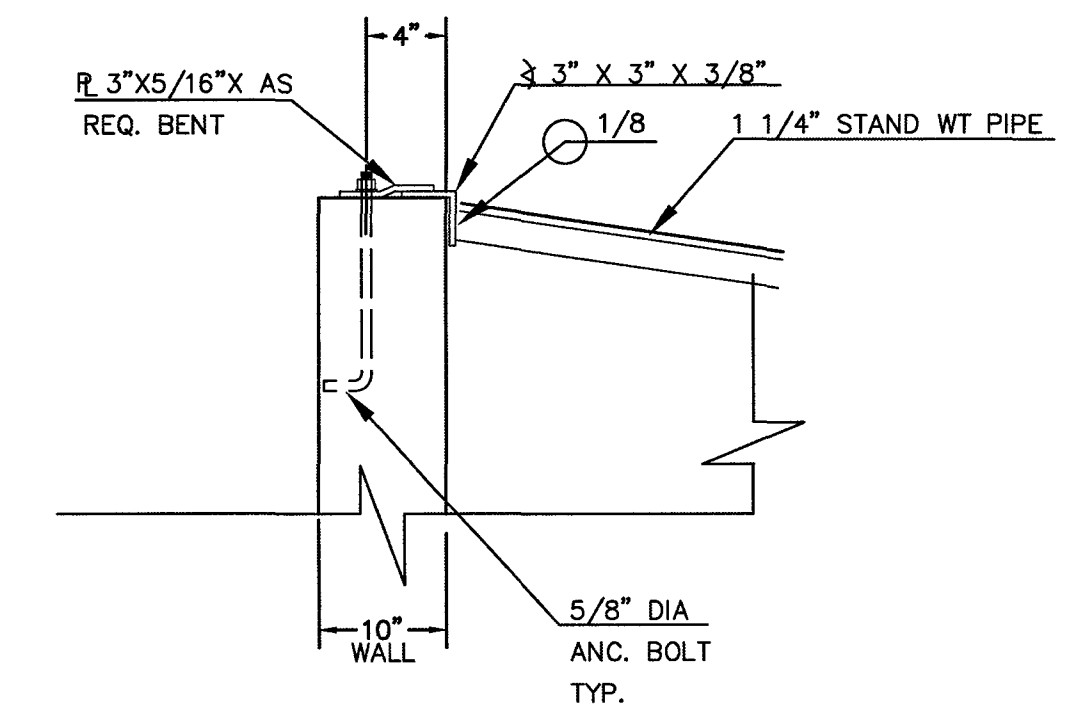


MICROPOOL RAILING

**NOTES:**

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OUTLET BOX RAILING  
N.T.S.



ANCHOR BOLT/GRATE DETAIL  
N.T.S.

**POND 'C'**

PCD FILE # SF1915

<p>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS</p> <p><b>811</b></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:

PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND ARCHITECTS, P.C.

*Kyle R. Campbell*  
KYLE R. CAMPBELL, COLORADO  
29794  
DATE: 7/14/19

**CLASSIC CONSULTING**

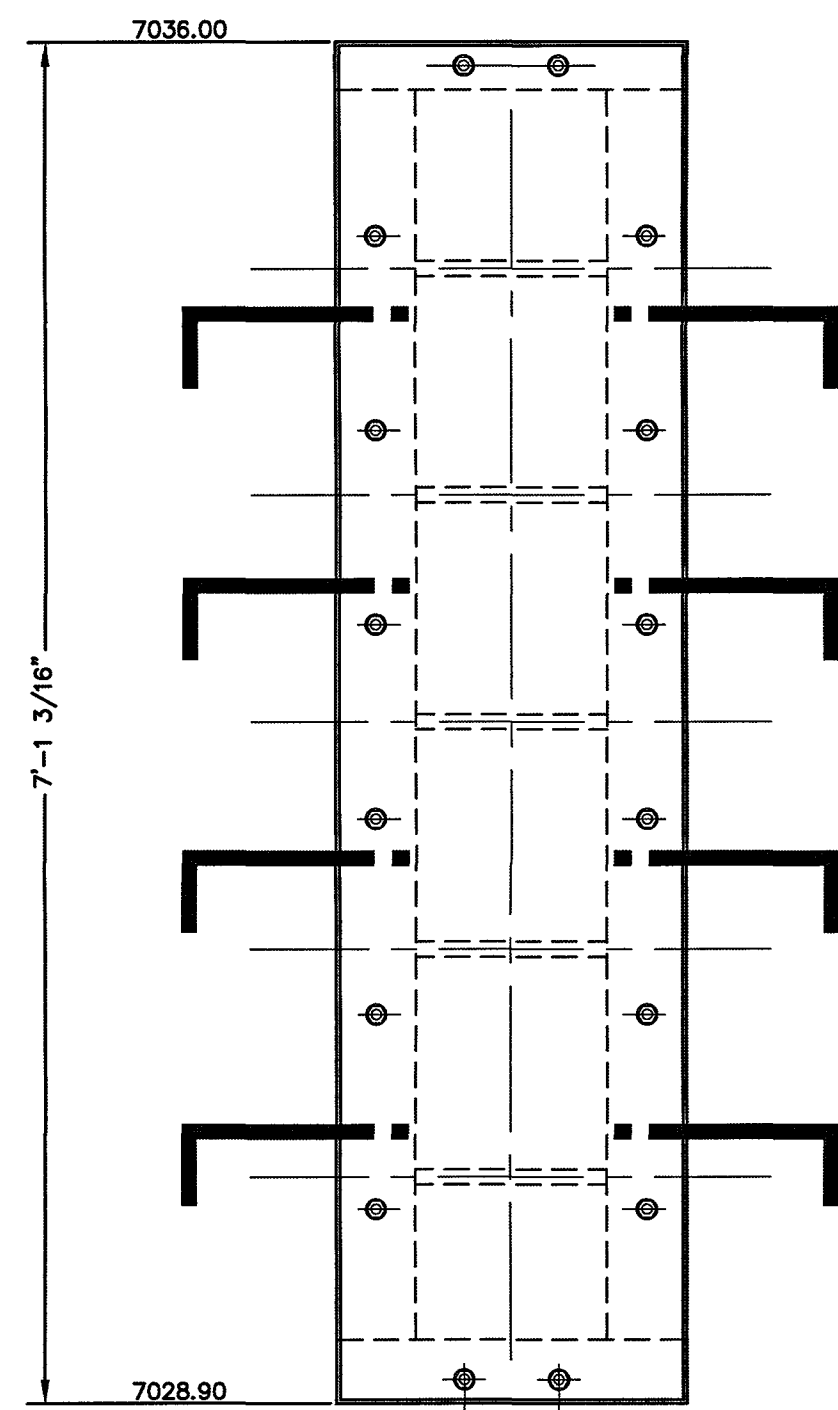
619 N. Cascade Avenue, Suite 200 (719)785-0790  
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

FOREST LAKES FILING NO. 5  
CONSTRUCTION DRAWINGS  
POND OUTLET BOX AND MICROPOOL DETAILS  
POND C

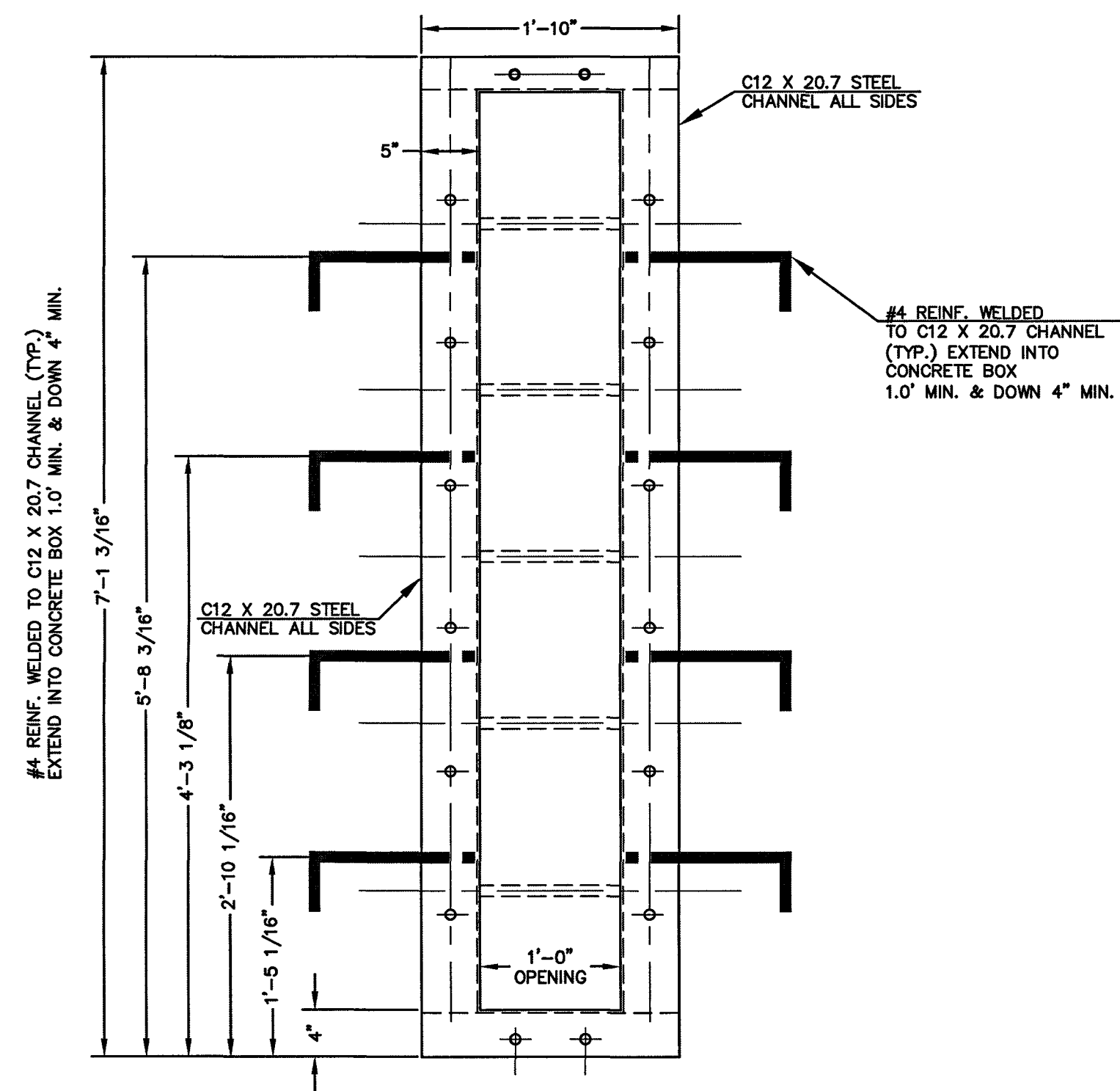
DESIGNED BY	MAL	SCALE	DATE
DRAWN BY	BB	(H) 1" = 2'	SHEET 25 OF 32
CHECKED BY	(V) 1" = N/A	JOB NO.	1175.50

CLASSIC CONSULTING

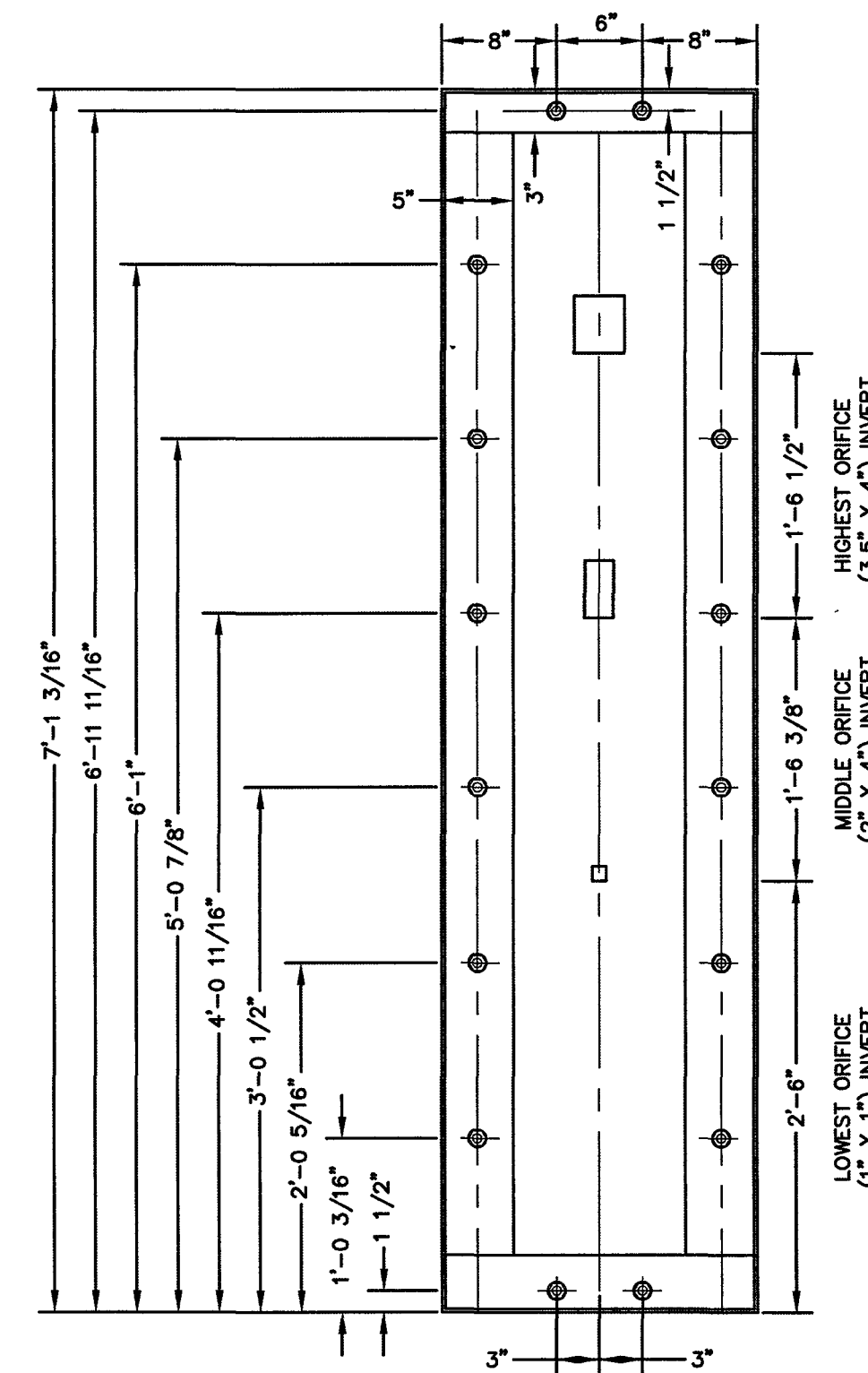
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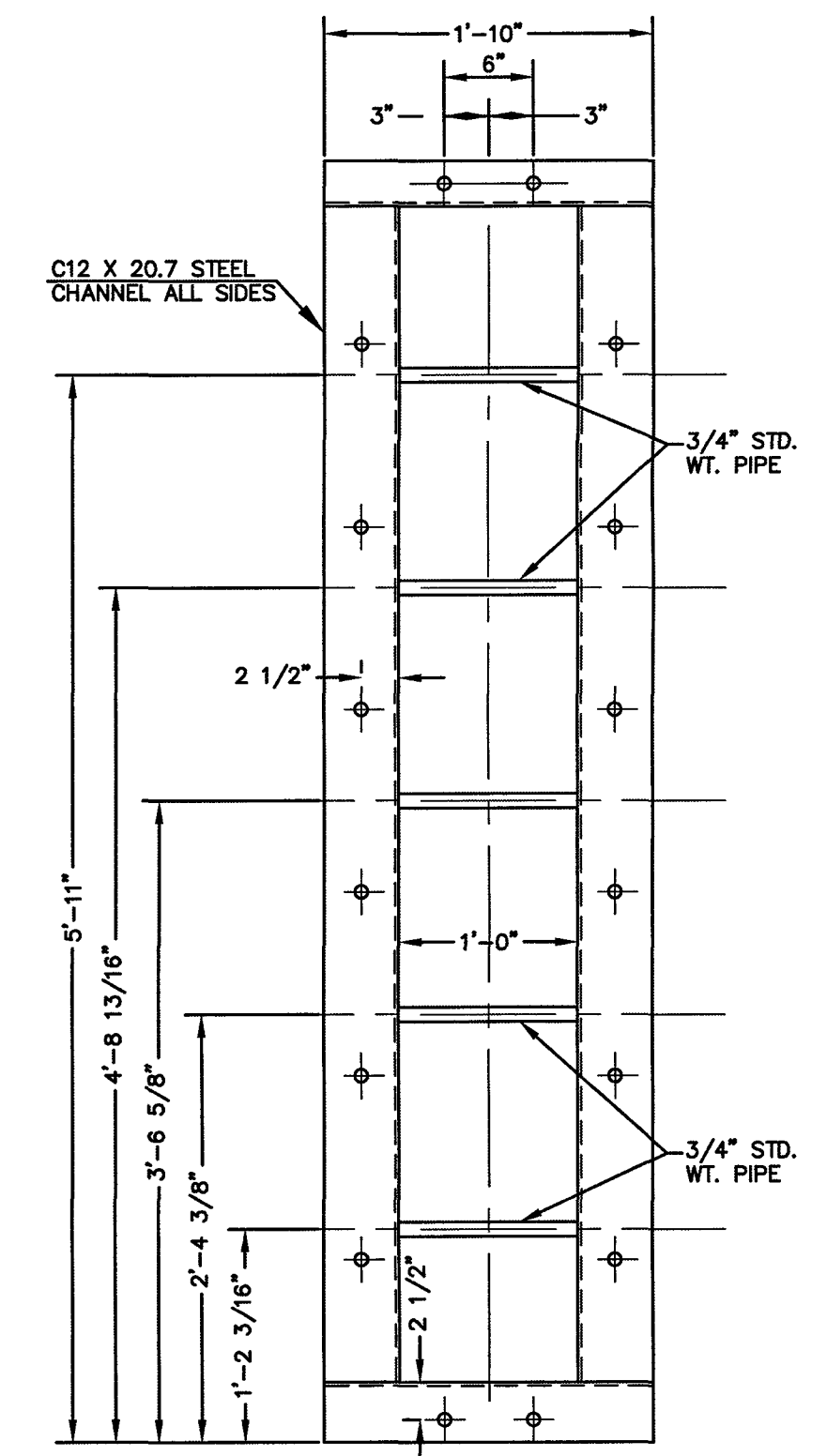
**OUTLET CONTROL  
PLATE AND FRAME**  
SCALE: 1"=1'



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



**1/4\"/>**



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

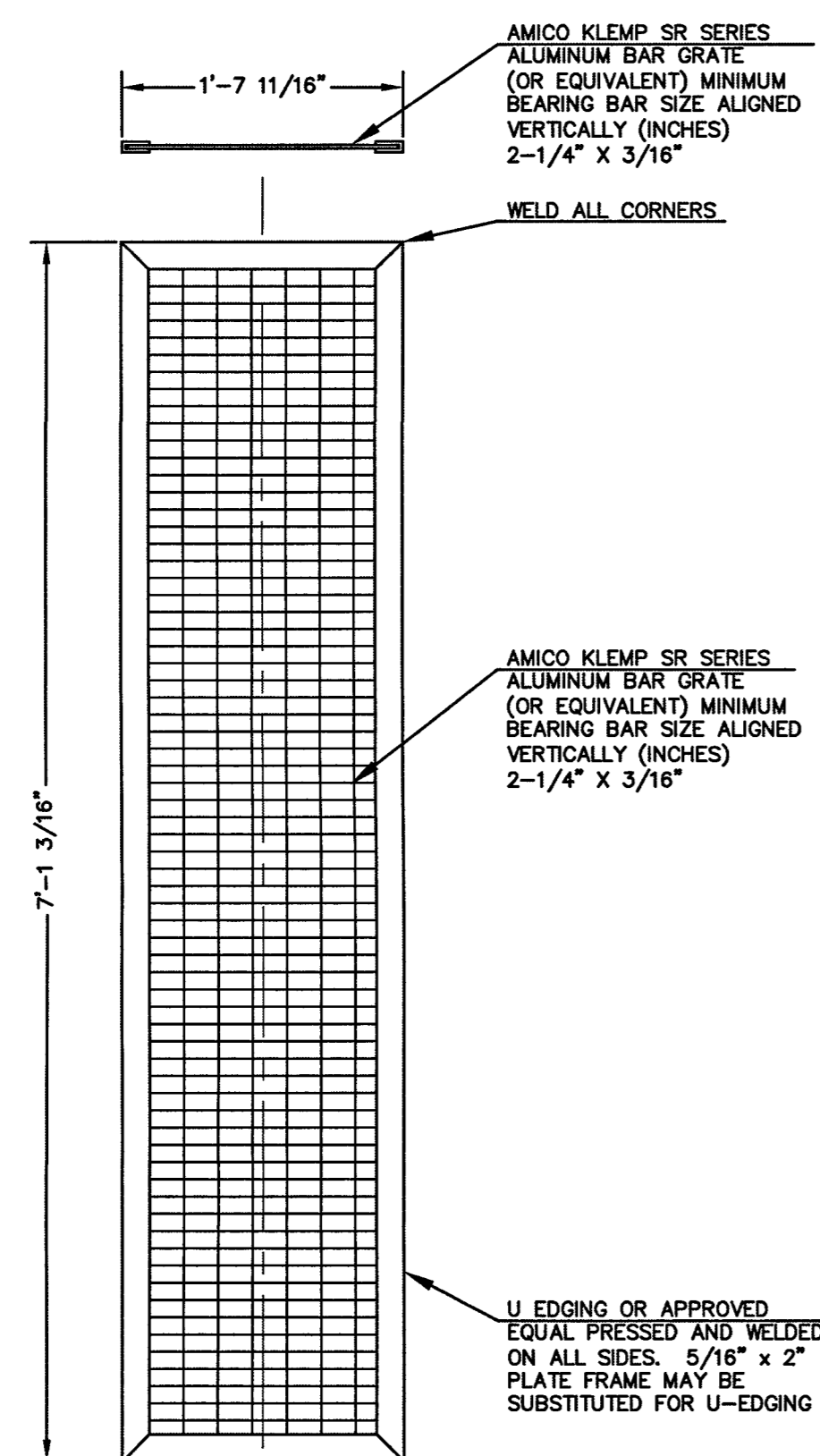
**POND 'C'**

PCD FILE # SF1915

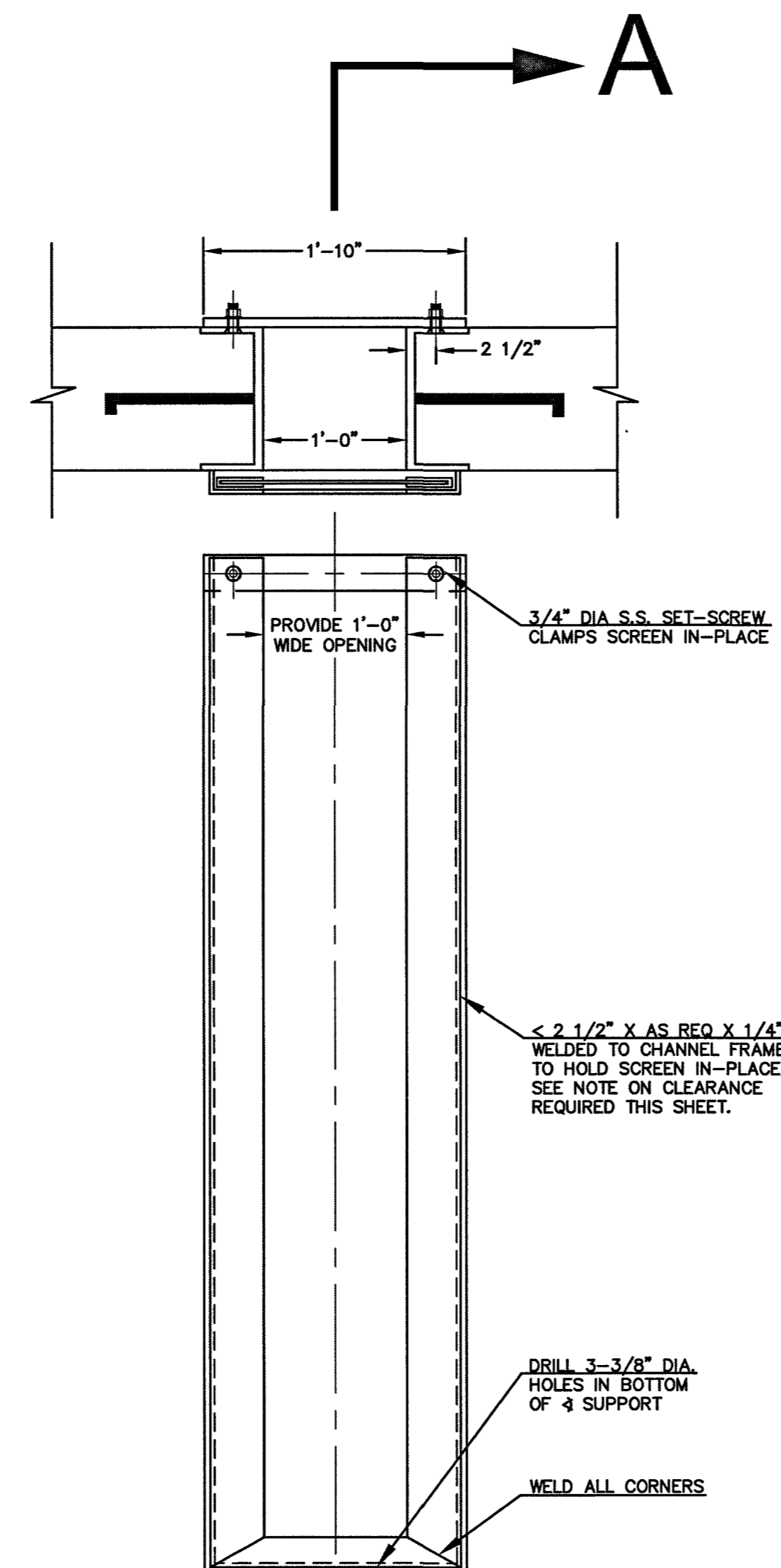
<p>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS <b>811</b> UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW</p> <p>THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING 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>PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC</p> <p><i>Kyle R. Campbell</i> KYLE R. CAMPBELL, COLORADO 29794 DATE 3/21/20</p>	<p><b>CLASSIC CONSULTING</b></p> <p>619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903 (719)785-0790 (719)785-0799(Fax)</p>	FOREST LAKES FILING NO. 5 CONSTRUCTION DRAWINGS		<p>DESIGNED BY MAL SCALE DATE 07/14/19</p> <p>DRAWN BY BB (H) 1"= 1' SHEET 26 OF 32</p> <p>CHECKED BY (V) 1"= 1' JOB NO. 1175.50</p>



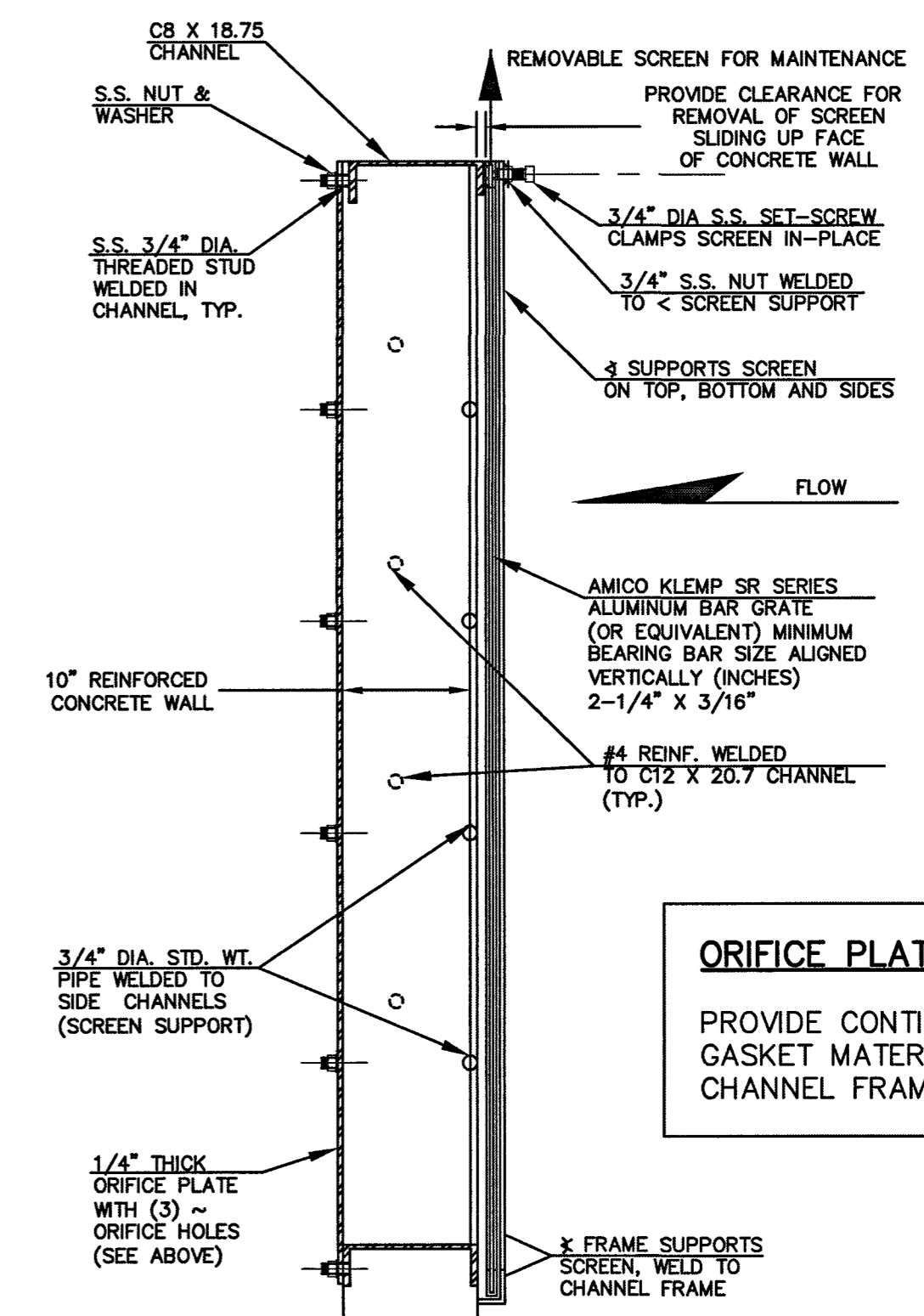
CLASSIC CONSULTING



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



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



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

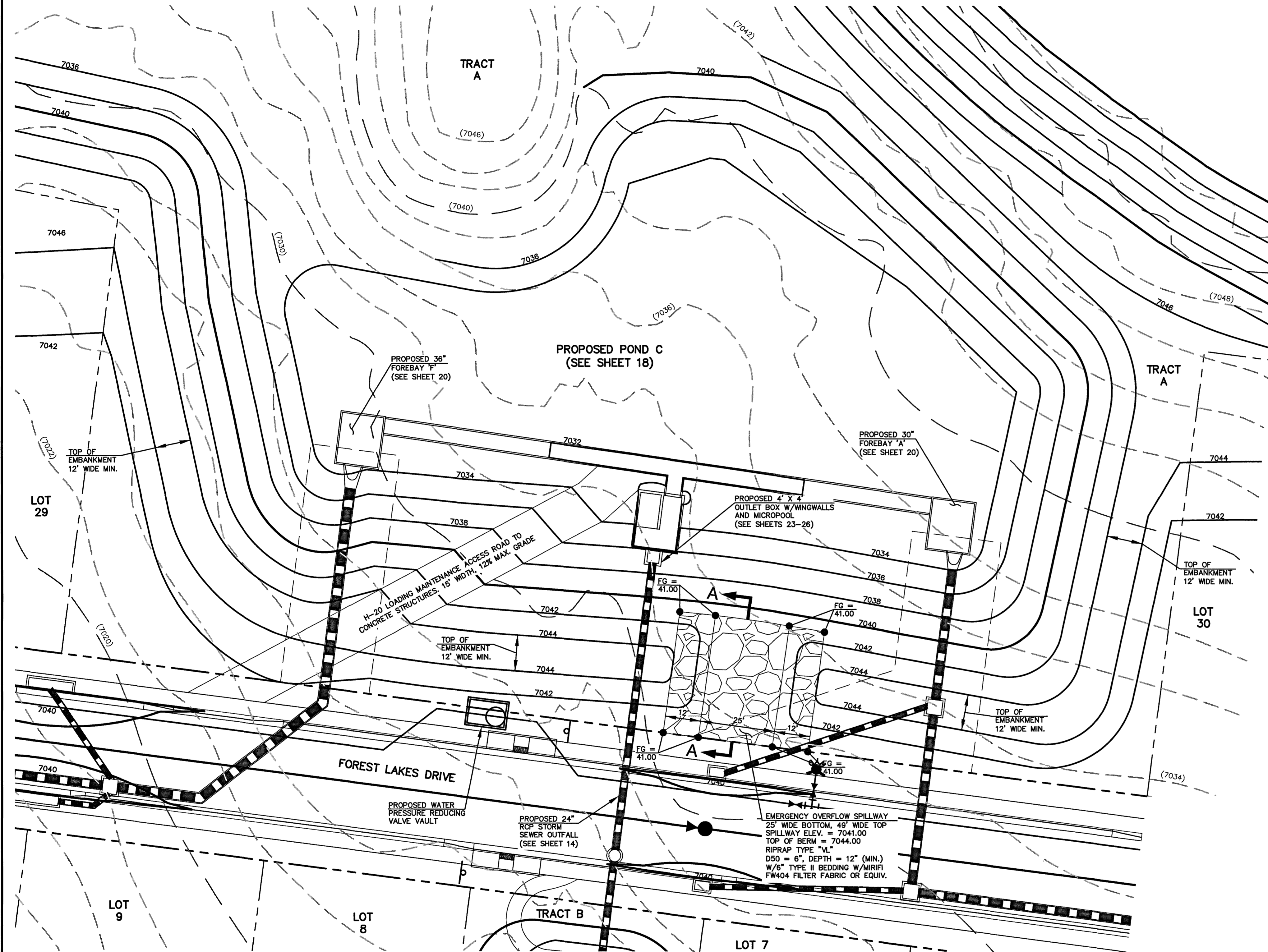
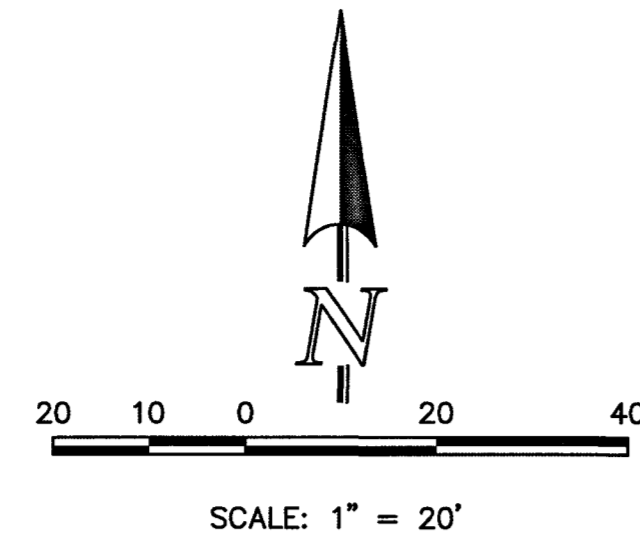
**SCREEN SUPPORT SECTION A-A**  
SCALE: 1"=1'

**POND 'C'**

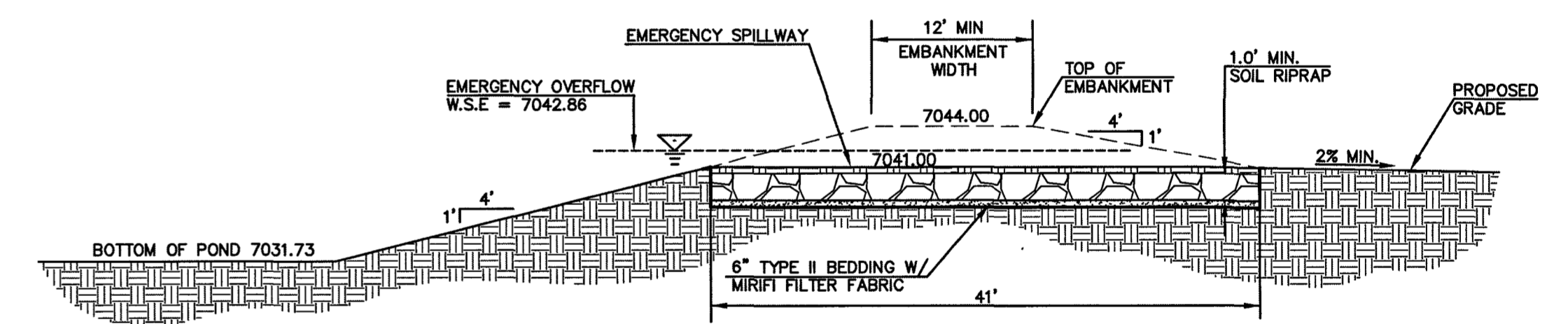
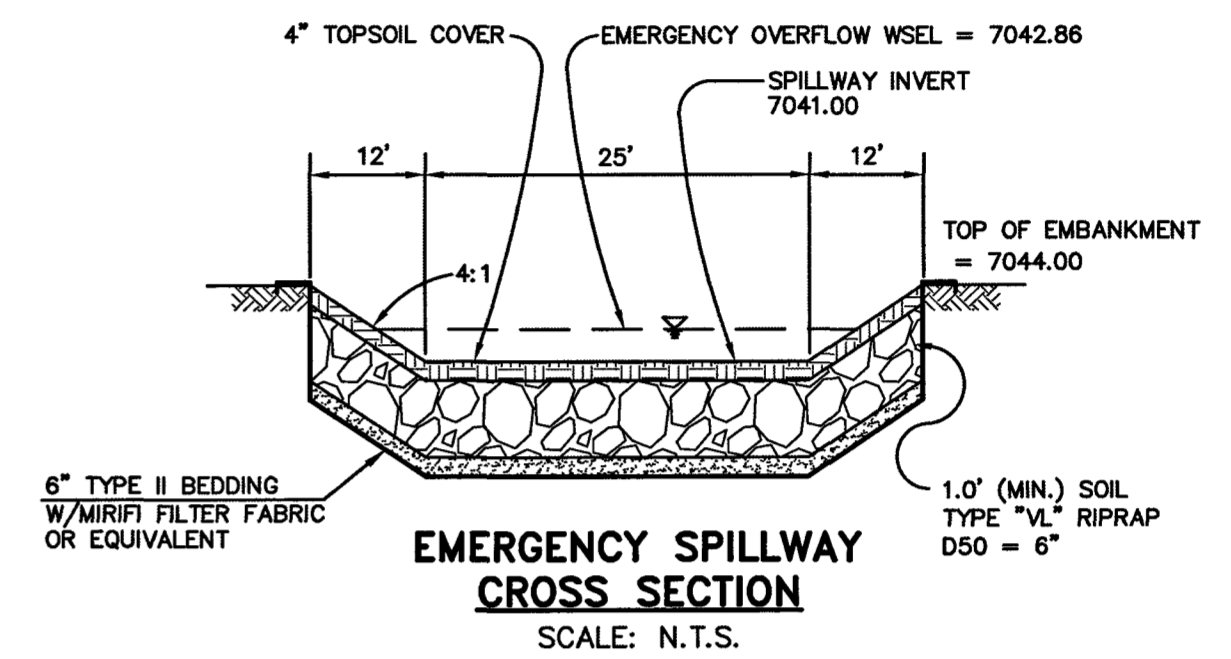
PCD FILE # SF1915

<p>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS <b>811</b> 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>PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC</p> <p><i>Kyle R. Campbell</i> KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE 3/21/20</p>	<p><b>CLASSIC CONSULTING</b></p> <p>619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903 (719)785-0790 (719)785-0799(Fax)</p>	<p>FOREST LAKES FILING NO. 5 CONSTRUCTION DRAWINGS</p> <p>OUTLET BOX DETAILS</p>	<p>DESIGNED BY MAL SCALE DATE 07/14/19</p> <p>DRAWN BY BB (H) 1"= 1' SHEET 27 OF 32</p> <p>CHECKED BY (V) 1"= 1' JOB NO. 1175.50</p>





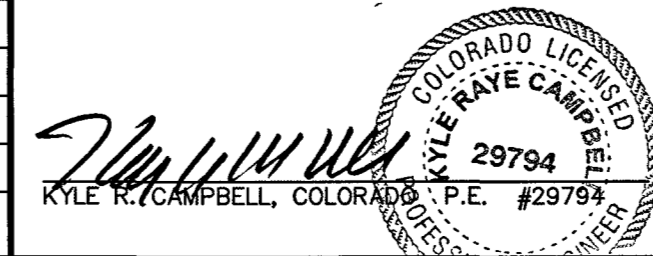
**EMERGENCY SPILLWAY,  
EMBANKMENT, AND RUNDOWN  
PLAN VIEW**  
SCALE: 1" = 20'



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

# POND 'C'

PCD FILE # SF1915

<p>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS <b>811</b> 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>PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC</p>  <p>KYLE R. CAMPBELL, COLORADO P.E. #29794</p>	<p>FOREST LAKES FILING NO. 5 CONSTRUCTION DRAWINGS</p> <p>POND SPILLWAY DETAILS</p>	<p>DESIGNED BY</p> <p>DRAWN BY</p> <p>CHECKED BY</p>	<p>MAL</p> <p>BB</p> <p>(V) 1" = N/A</p>	<p>SCALE</p> <p>(H) 1" = VARIES</p> <p>(V) 1" = N/A</p>	<p>DATE</p> <p>07/14/19</p> <p>SHEET 28 OF 32</p> <p>JOB NO. 1175.50</p>

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

**CLASSIC CONSULTING**

N:\177550\DRAWINGS\CONSTRUCTION\STORMA\28-17550-POND C.dwg, 3/16/2020 2:34:06 PM, 1:1

INSTALL STEPS PER EL PASO COUNTY SPECS.

(ALL MATERIALS PER EL PASO COUNTY SPECIFICATIONS)

ORIFICE PLATE NOTES:

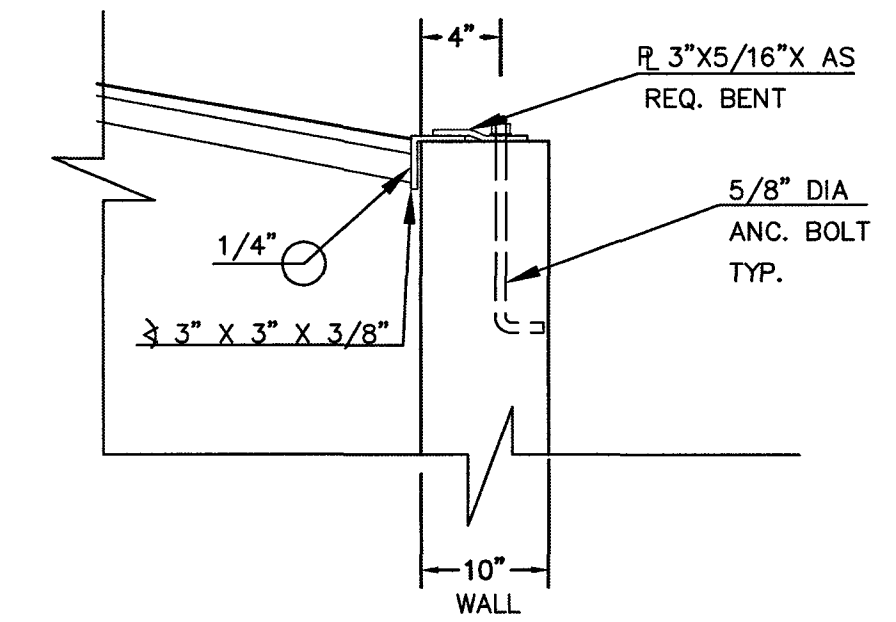
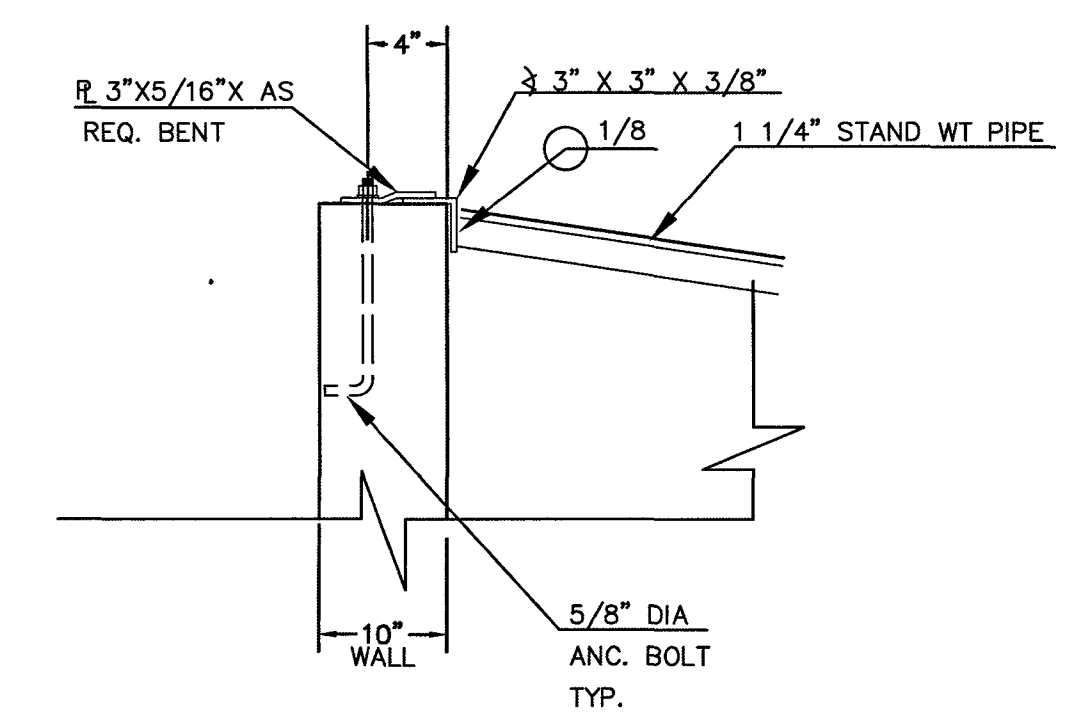
1. INSTALL HOLES AS SHOWN ON DETAIL TO LEFT.
2. PROVIDE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE

EURV AND WQCV TRASH RACKS:

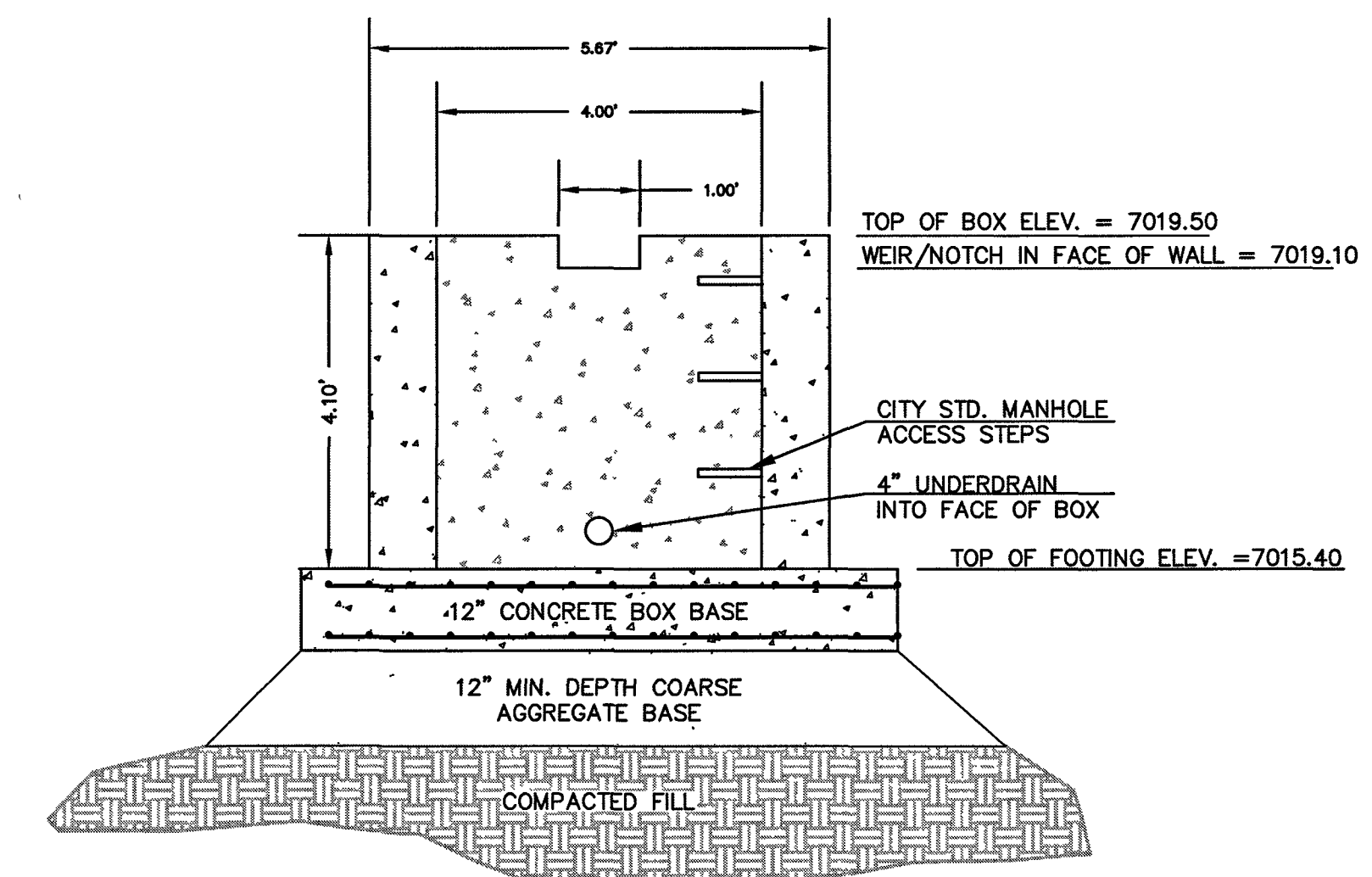
3. WELL-SCREEN TRASH RACKS SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
4. BAR GRATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
5. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF RACK

OVERFLOW TRASH RACKS:

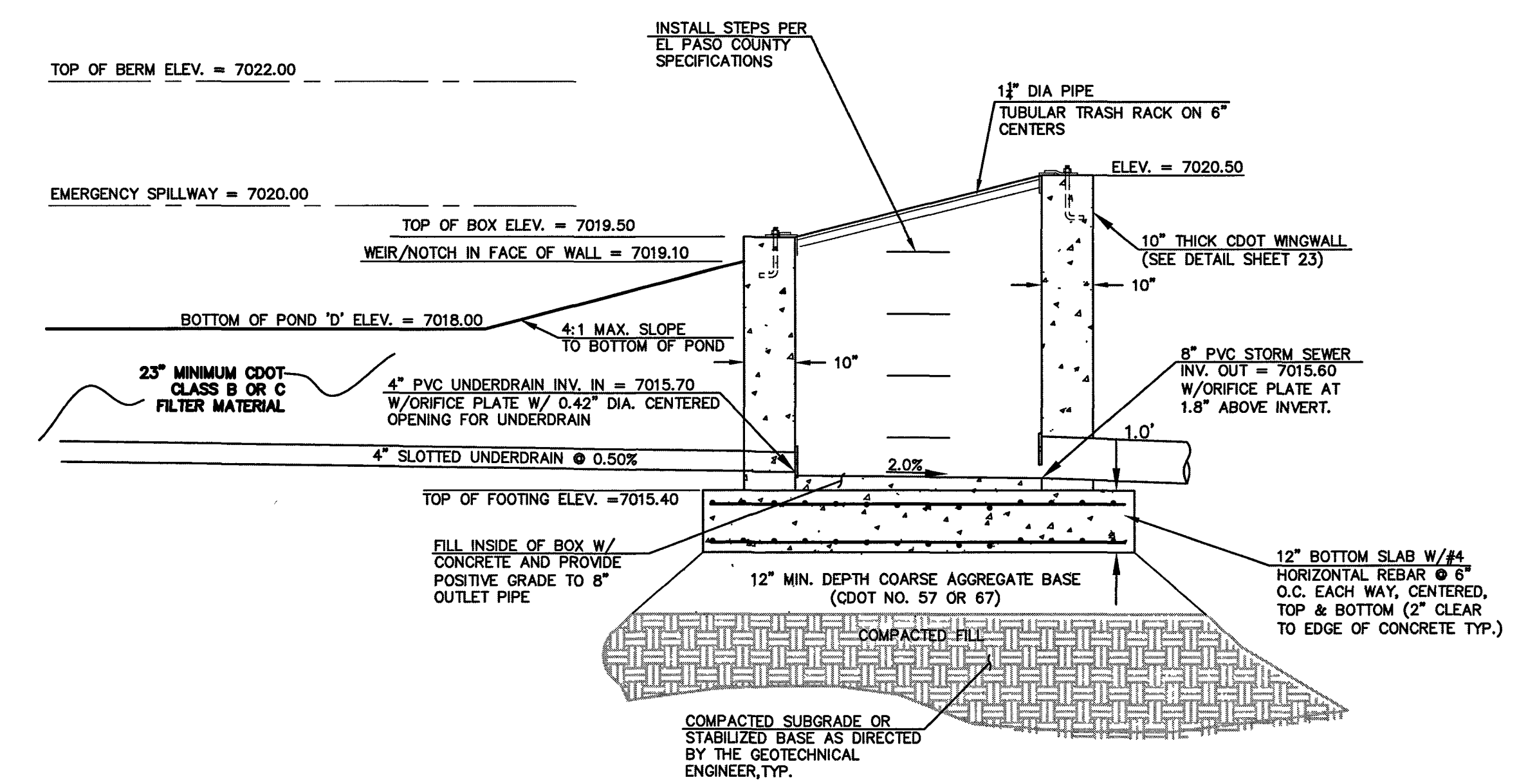
1. ALL TRASH RACKS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED AND LOCKABLE OR BOLTABLE ACCESS PANELS
2. TRASH RACKS SHALL BE STAINLESS STEEL, ALUMINUM, OR STEEL. STEEL TRASH RACKS SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
3. TRASH RACKS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



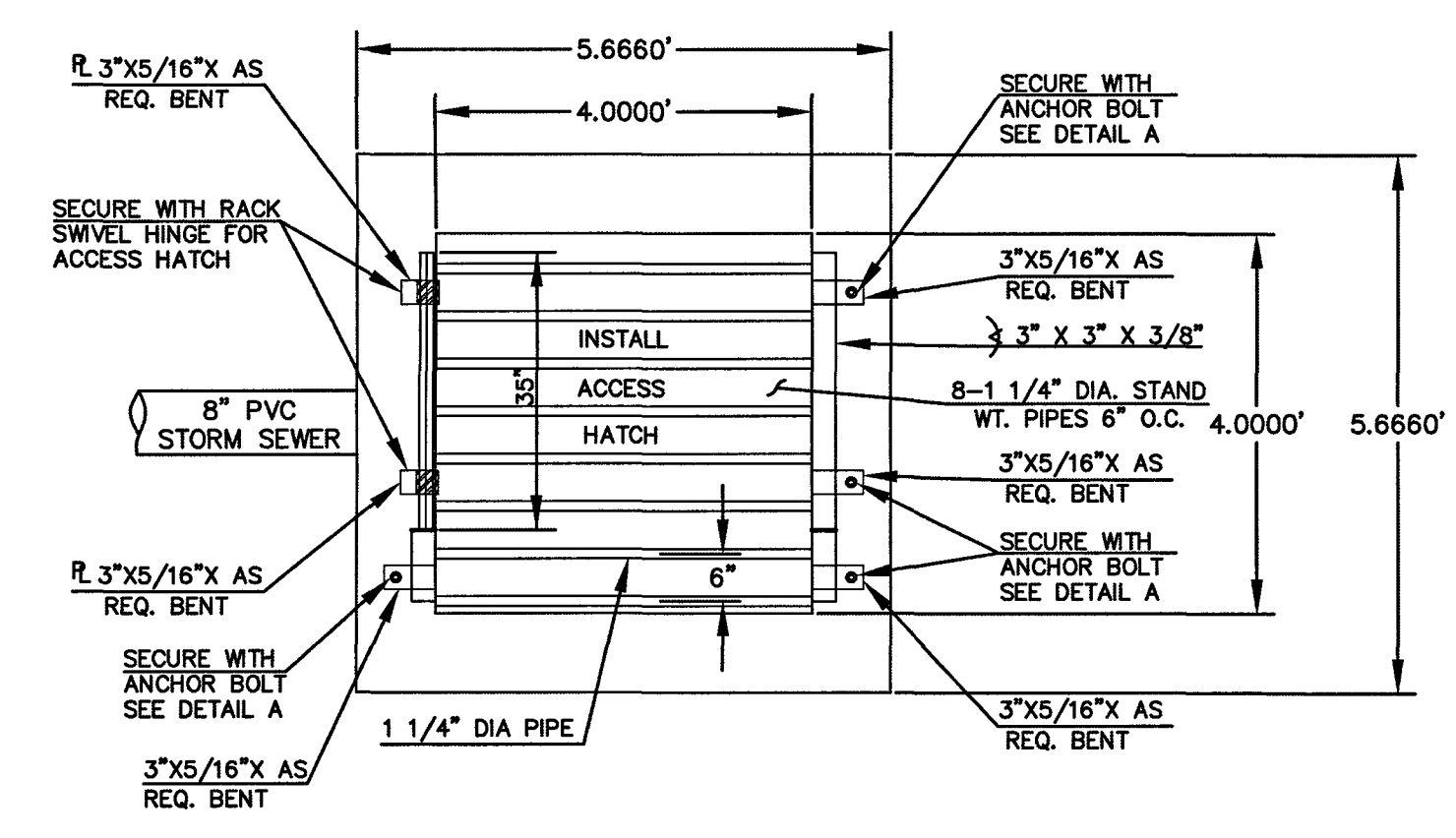
ANCHOR BOLT/GRATE DETAIL  
N.T.S.



4'X4' POND D OUTLET BOX - FRONT FACE  
SCALE 1" = 2'



4'X4' POND D OUTLET BOX - PROFILE VIEW  
SCALE 1" = 2'



4'X4' POND D OUTLET BOX - OVERFLOW TRASH RACK  
SCALE 1" = 2'

# POND 'D'

PCD FILE # SF1915

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DESIGNED BY: MAL  
DRAWN BY: BB  
CHECKED BY: (V) 1" = N/A

SCALE: (H) 1" = 2'  
(V) 1" = N/A

DATE: 07/14/19  
SHEET 29 OF 32  
JOB NO. 1175.50

FOREST LAKES FILING NO. 5  
CONSTRUCTION DRAWINGS  
POND 'D'  
POND OUTLET BOX - PROFILE VIEW

CLASSIC CONSULTING

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Colorado Springs, Colorado 80903

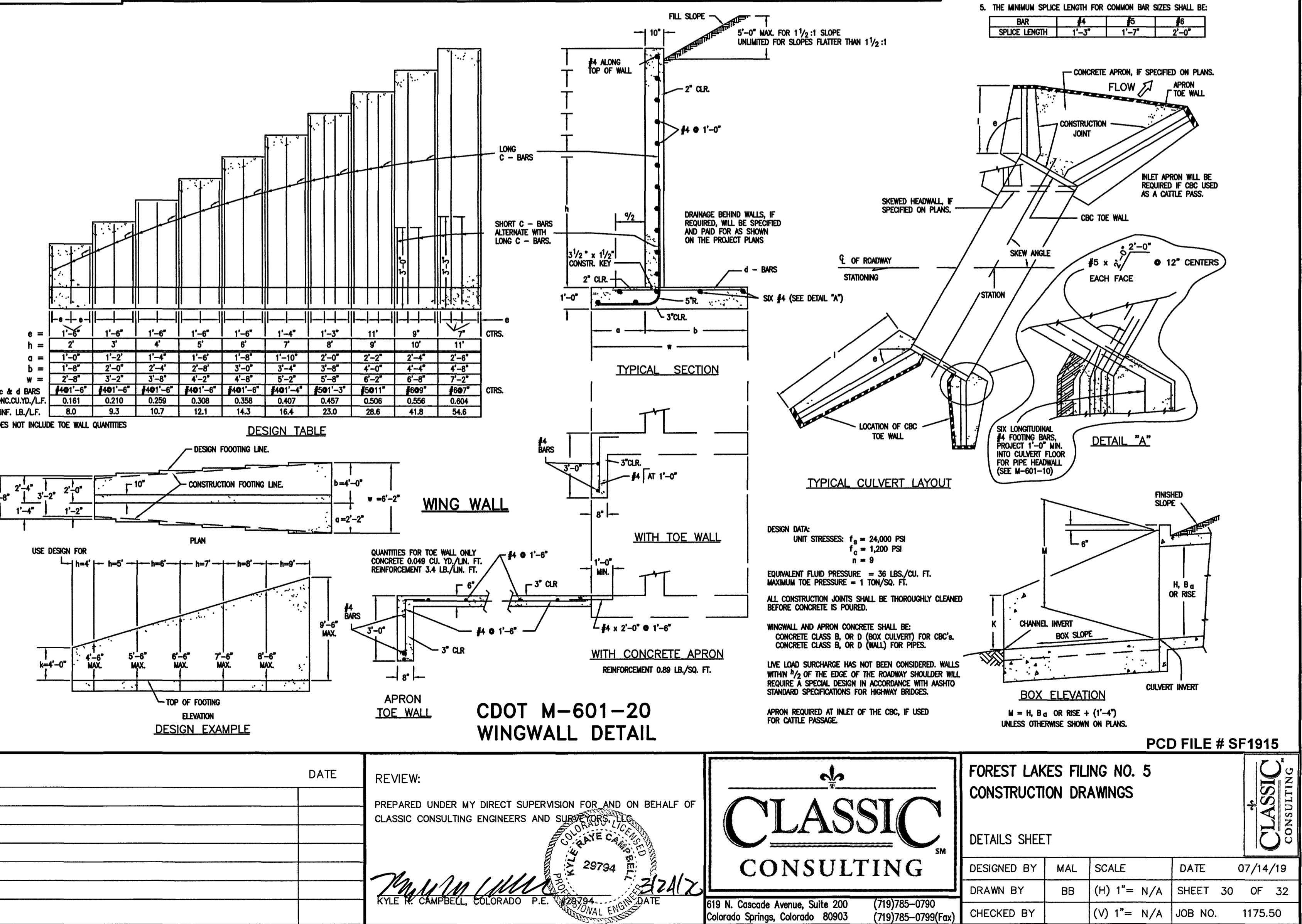
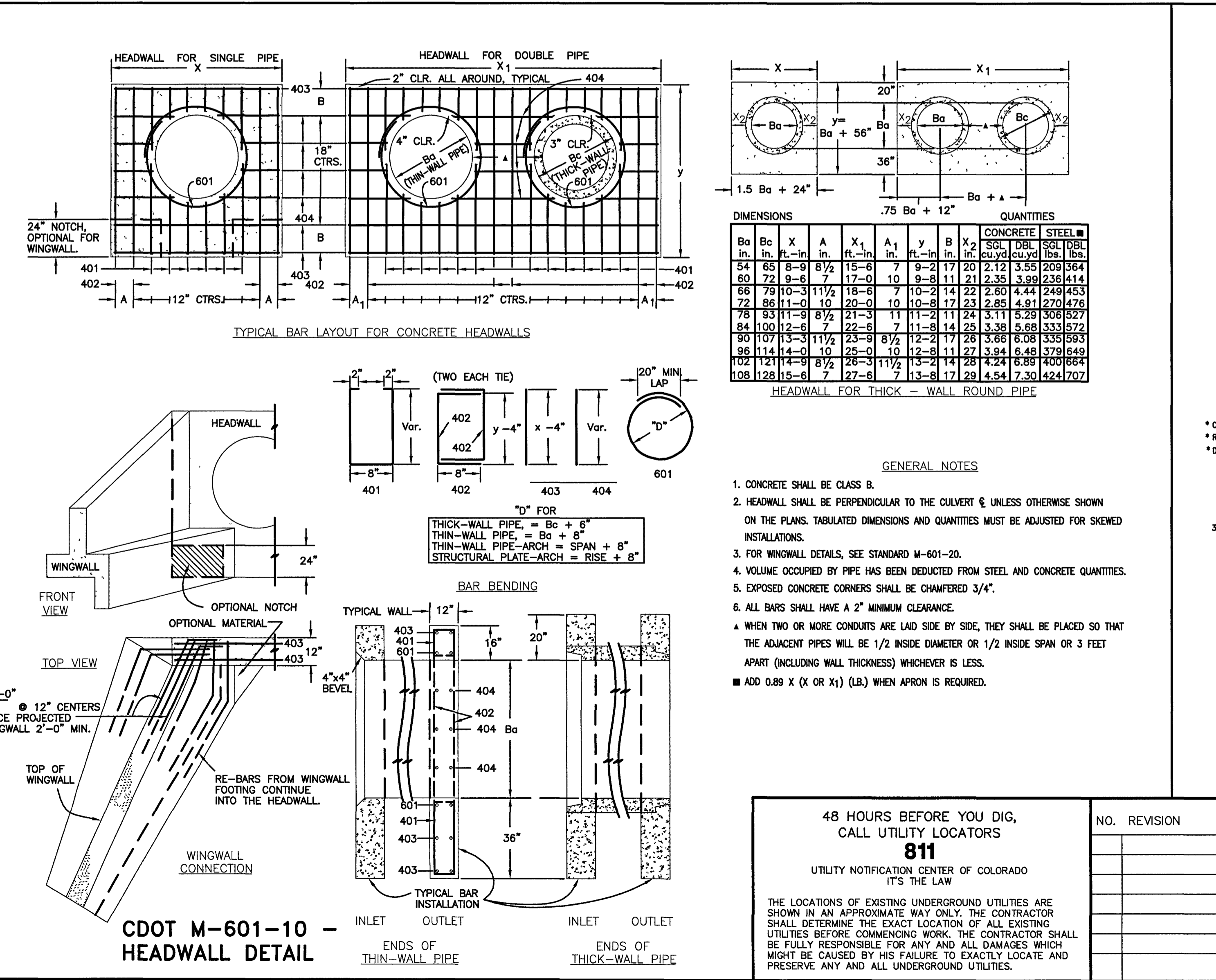
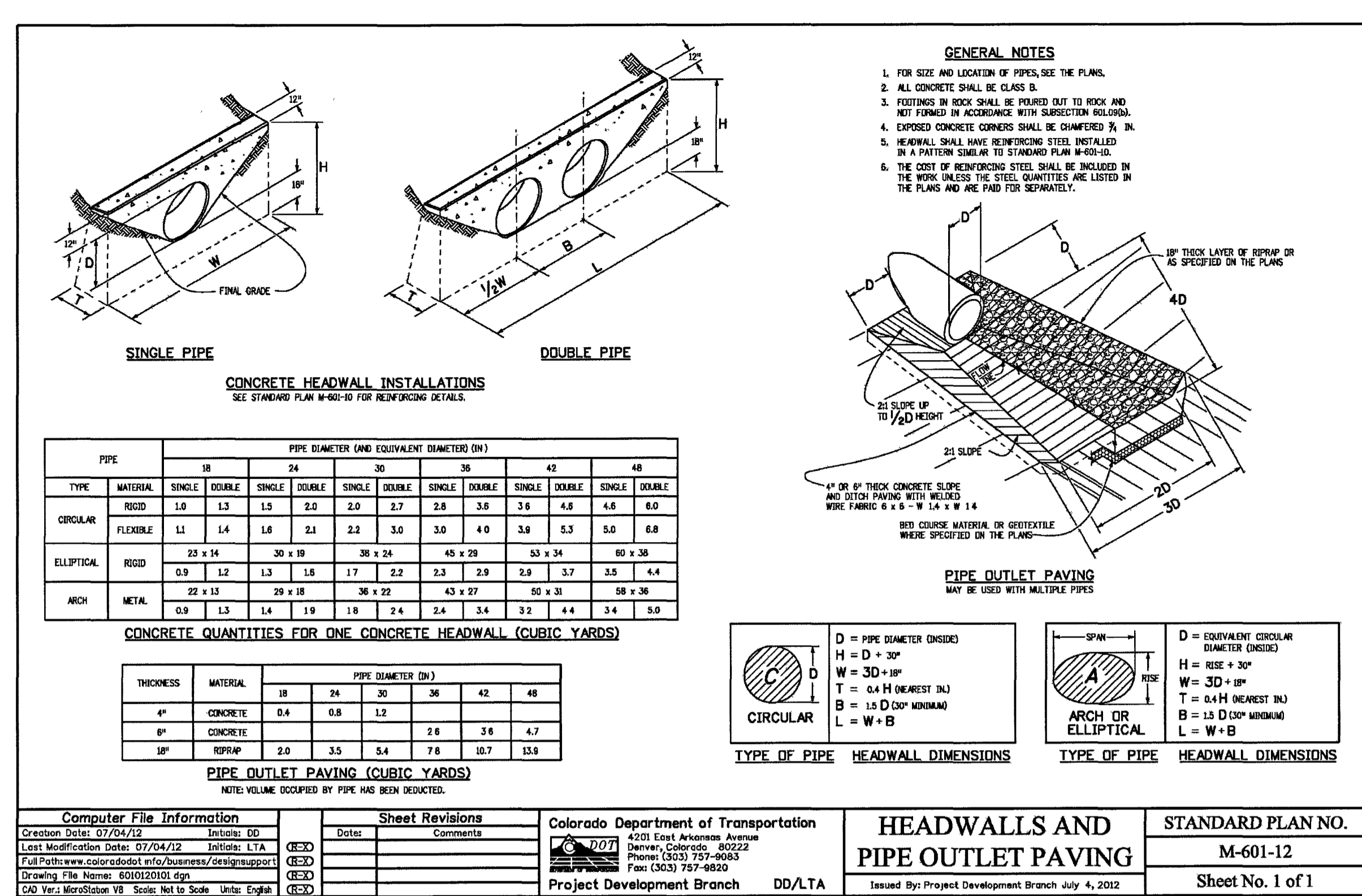
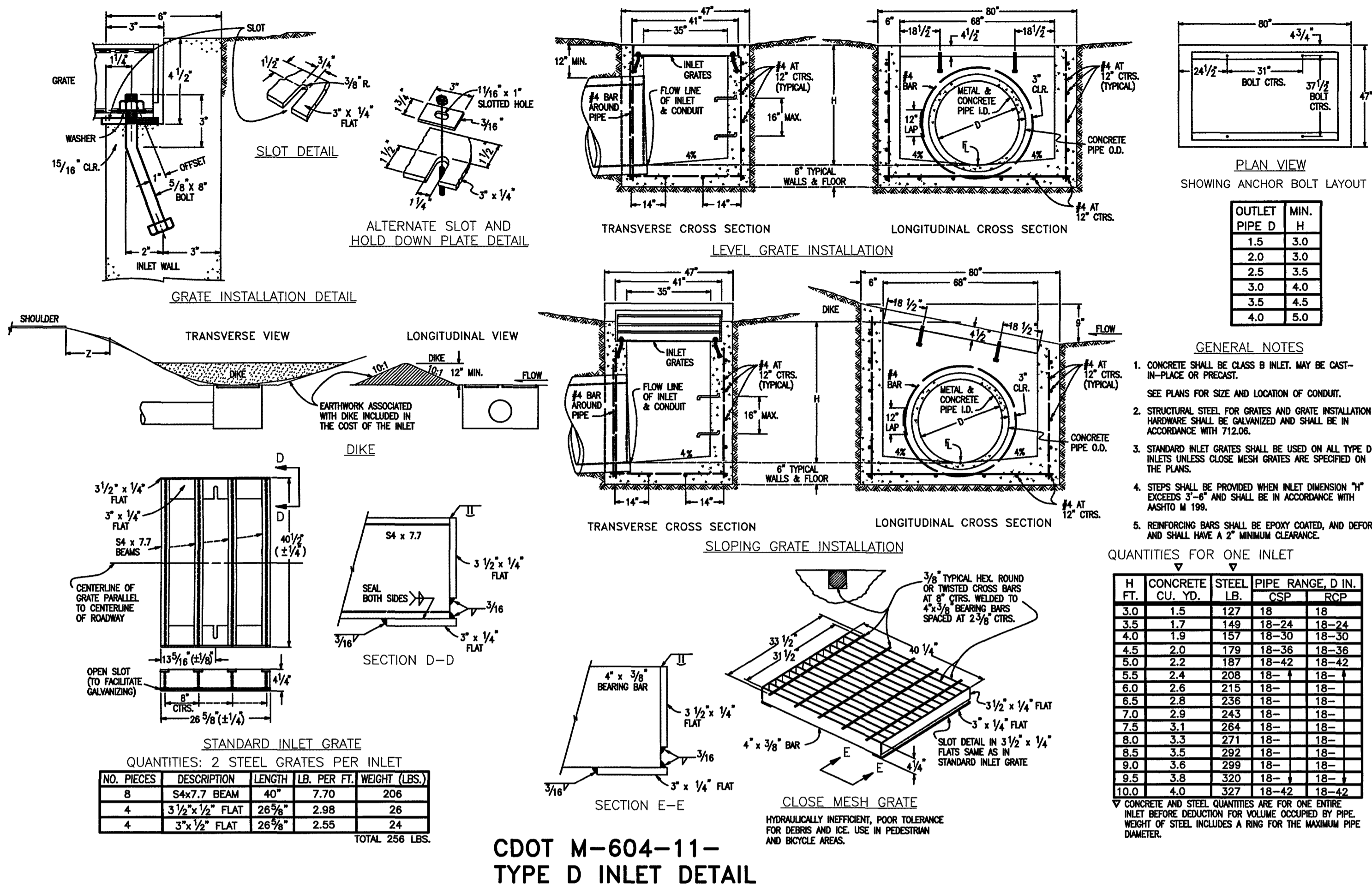
(719) 785-0790  
(719) 785-0799(Fax)

CLASSIC CONSULTING

DESIGNED BY: MAL  
DRAWN BY: BB  
CHECKED BY: (V) 1" = N/A

SCALE: (H) 1" = 2'  
(V) 1" = N/A

DATE: 07/14/19  
SHEET 29 OF 32  
JOB NO. 1175.50



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 MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SUBCONTRACTORS

KYLE R. CAMPBELL, COLORADO P.E. 29794

PCD FILE # SF1915

FOREST LAKES FILING NO. 5  
CONSTRUCTION DRAWINGS

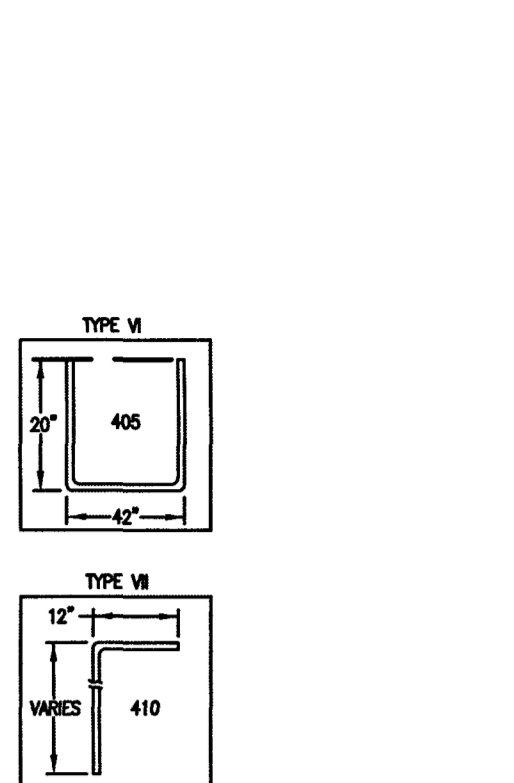
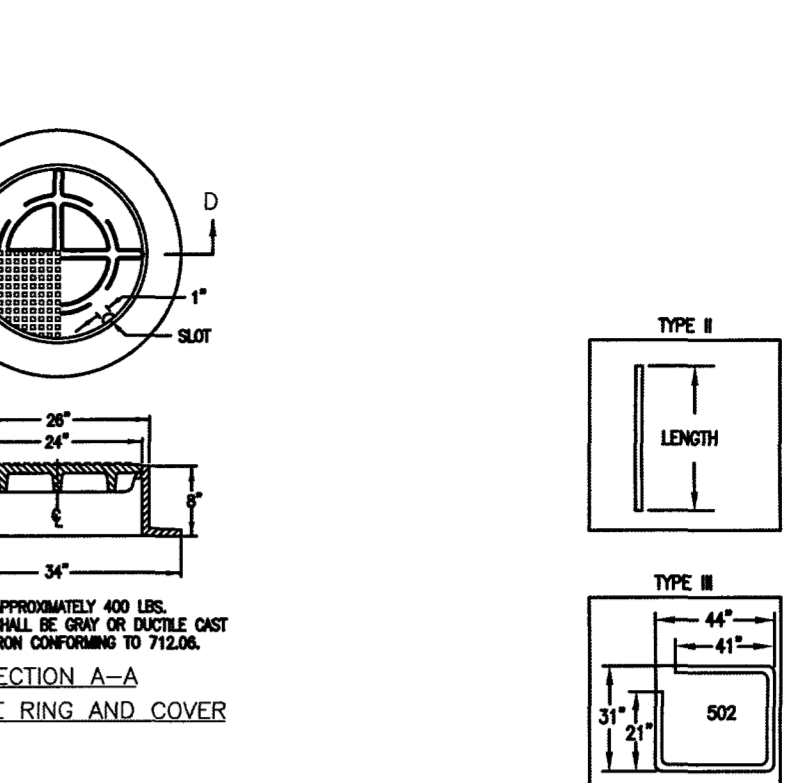
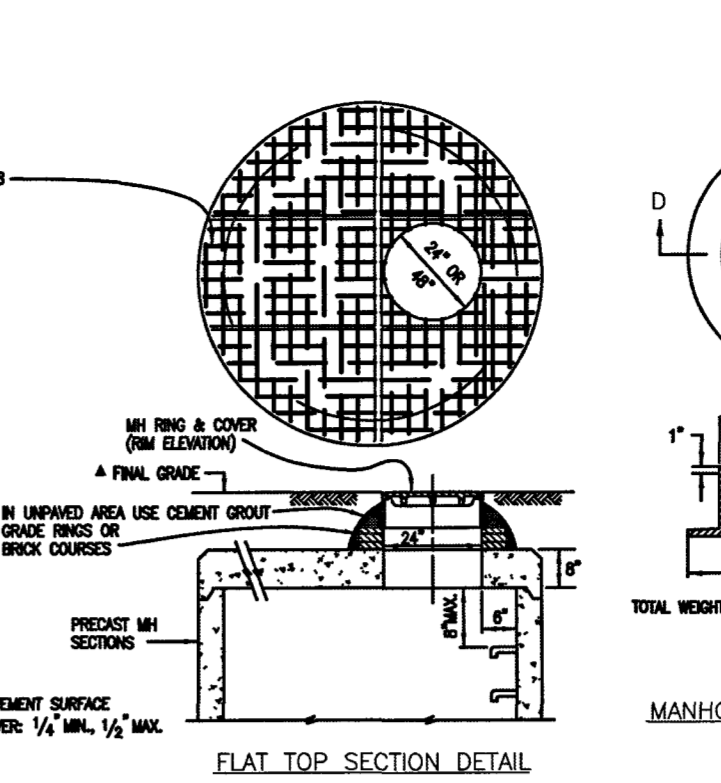
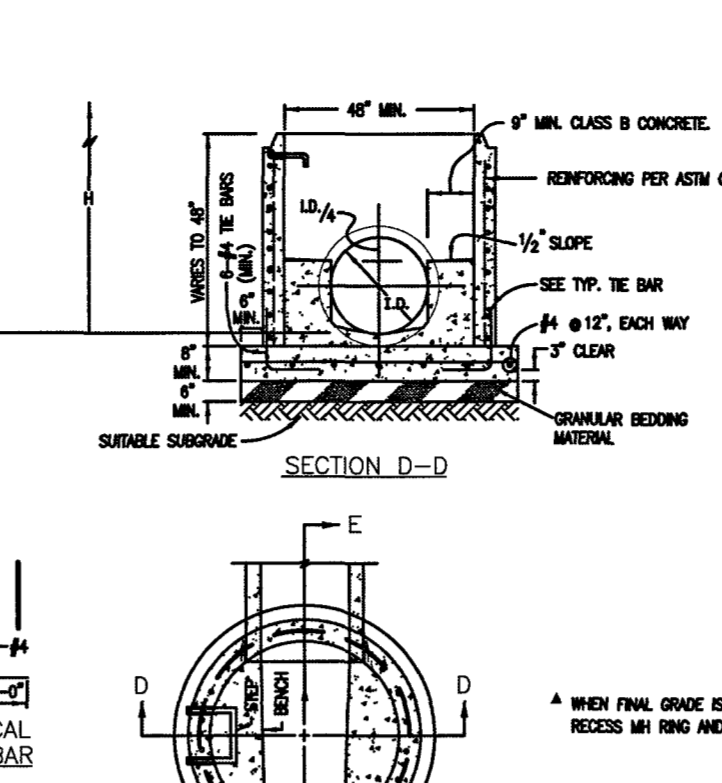
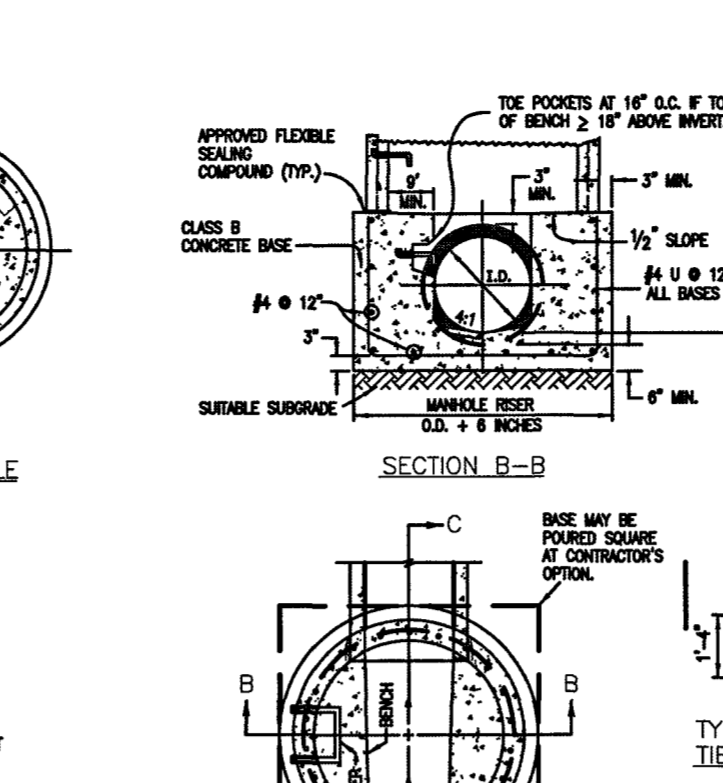
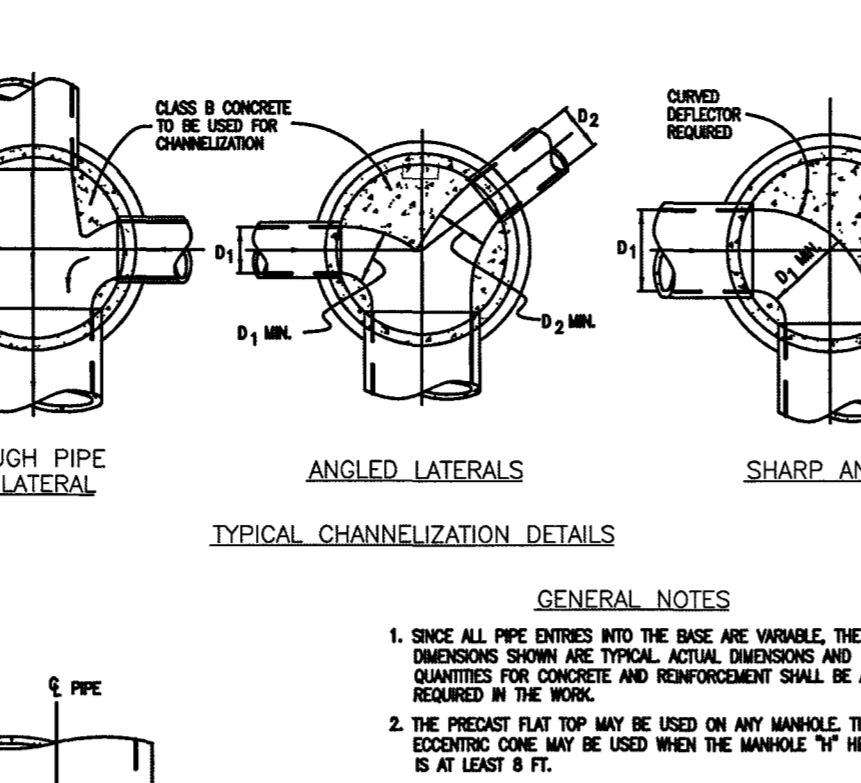
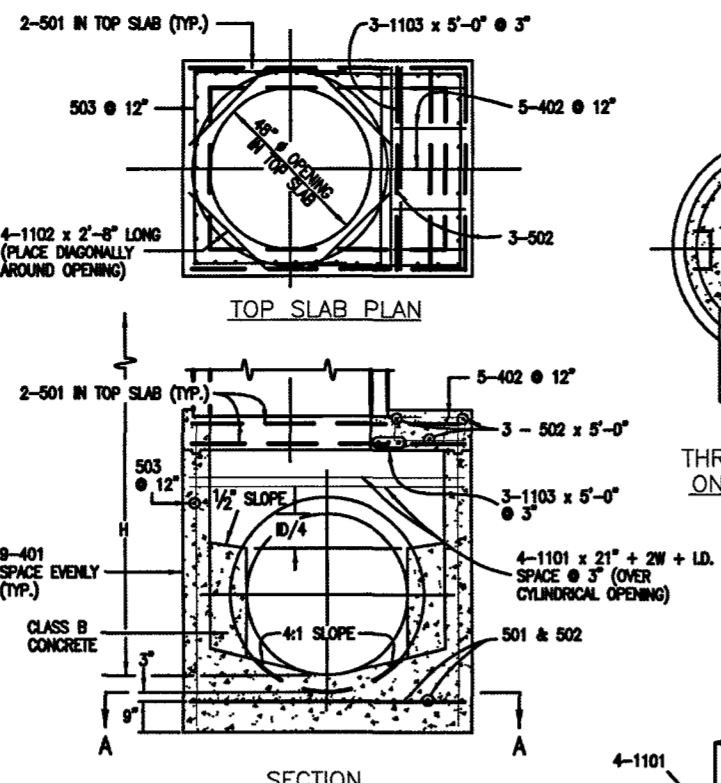
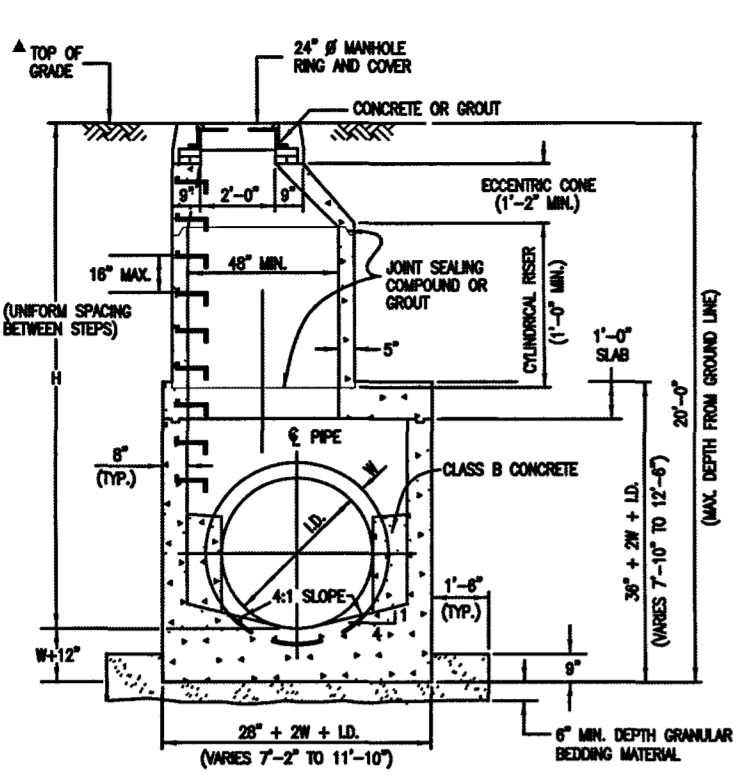
DETAILS SHEET

DESIGNED BY: MAL SCALE: DATE: 07/14/19

DRAWN BY: BB (H) 1" = N/A SHEET 30 OF 32

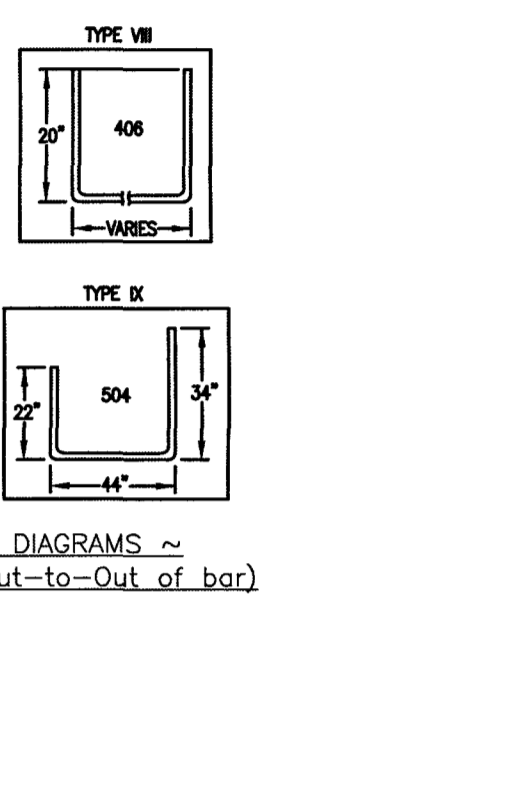
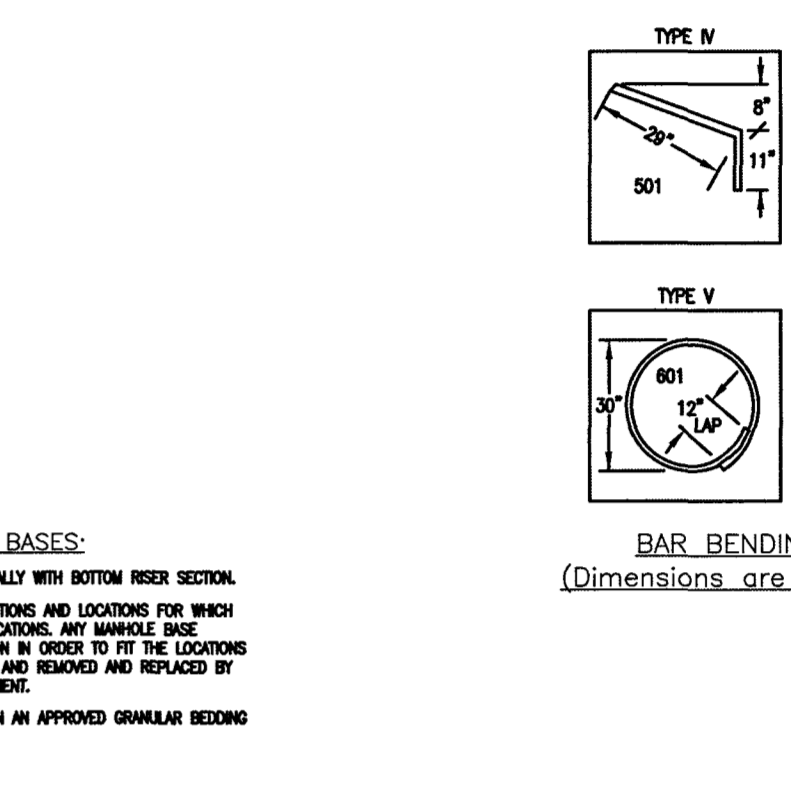
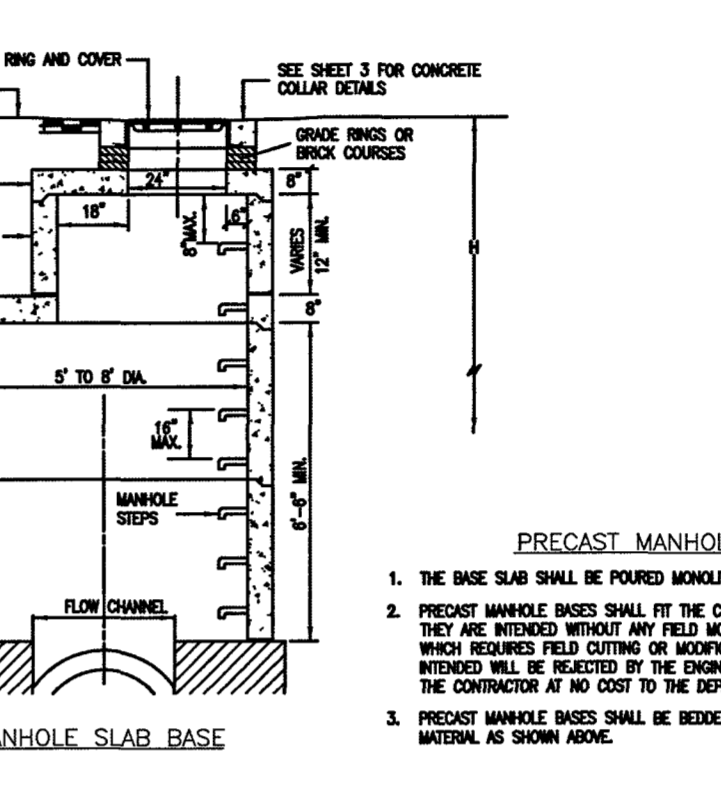
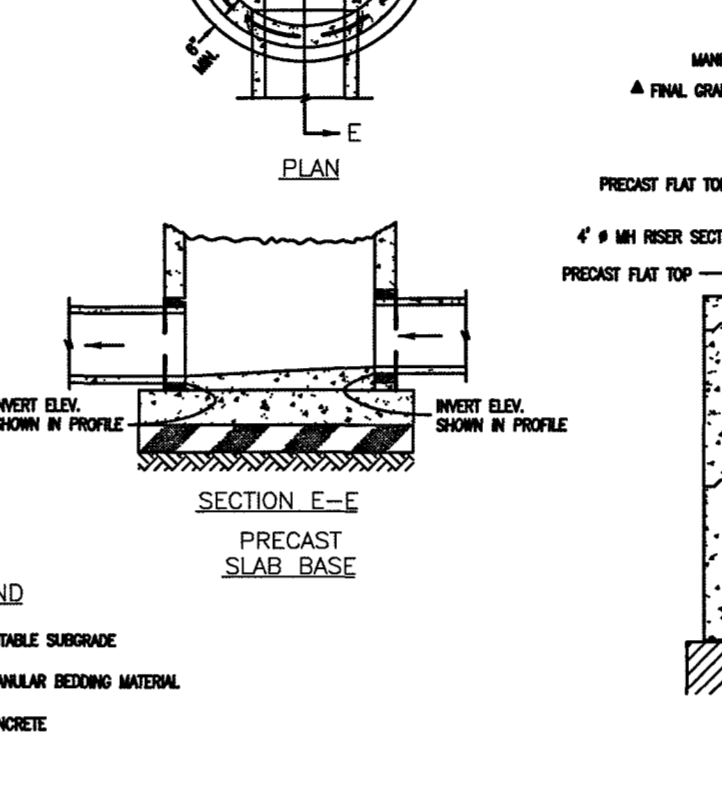
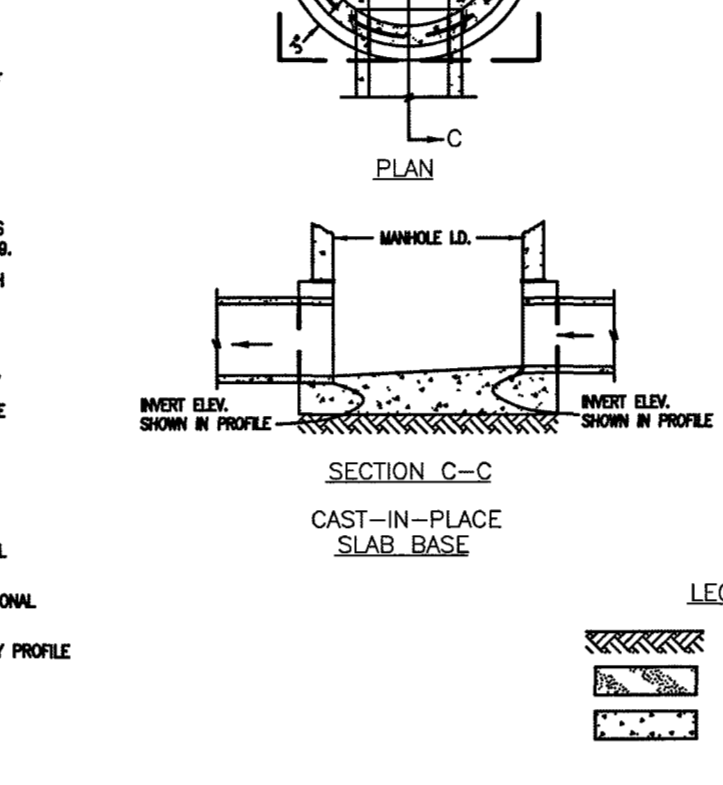
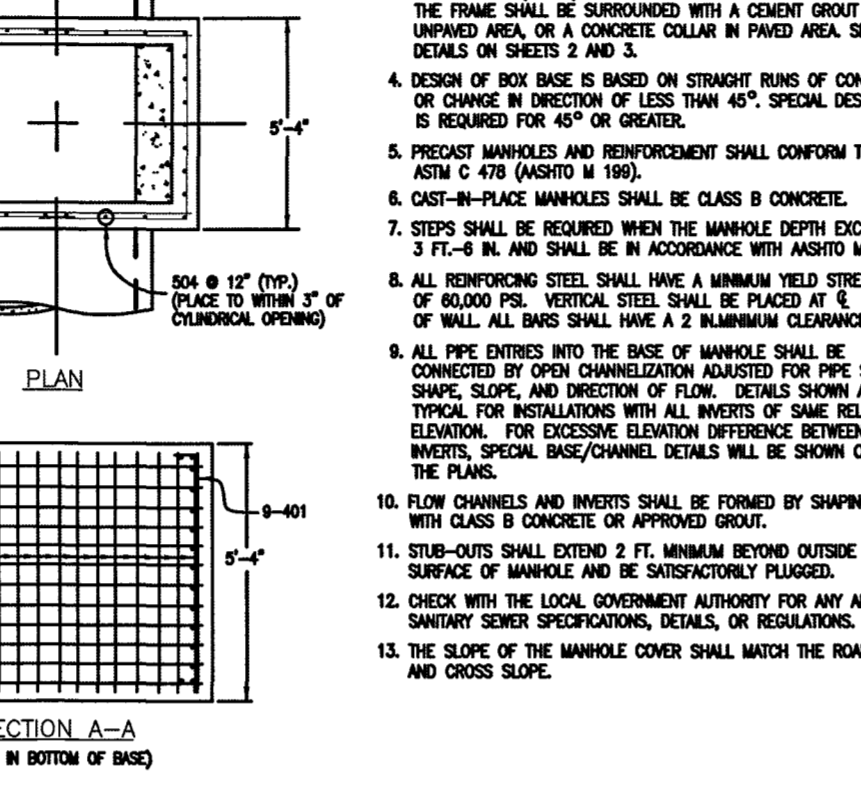
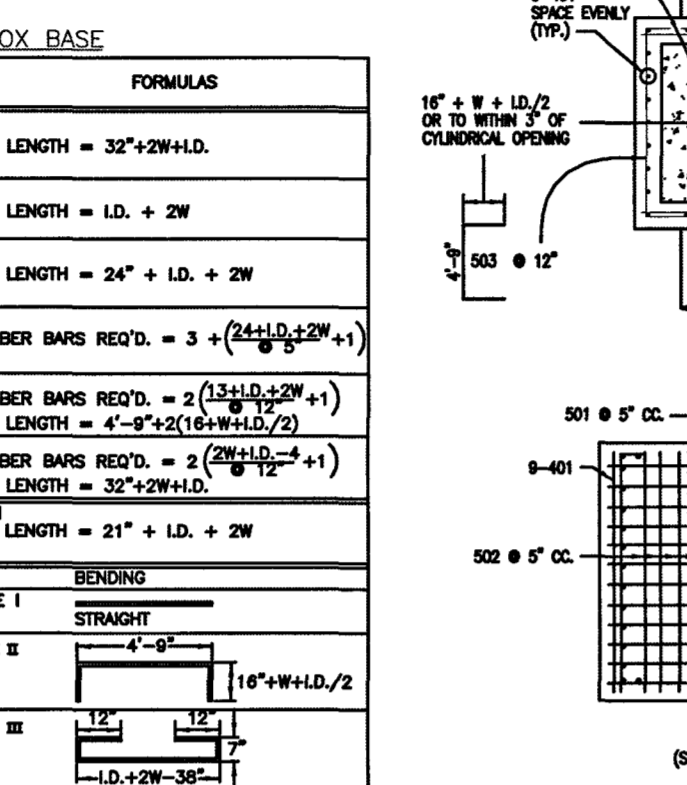
CHECKED BY: (V) 1" = N/A JOB NO. 1175.50

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Colorado Springs, Colorado 80903 (719)785-0799(Fax)



**QUANTITIES FOR CONCRETE MANHOLE BOX BASE**

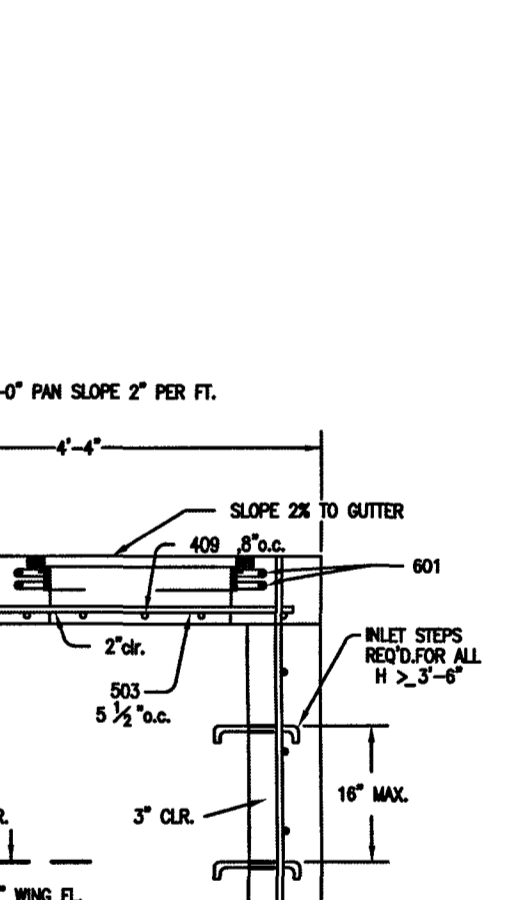
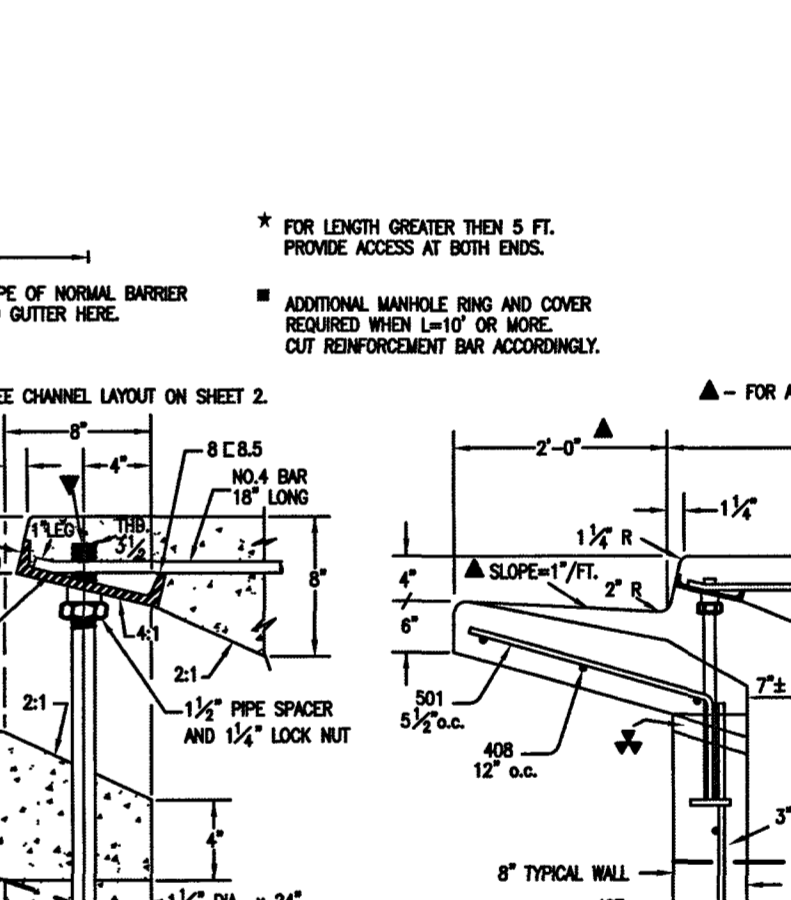
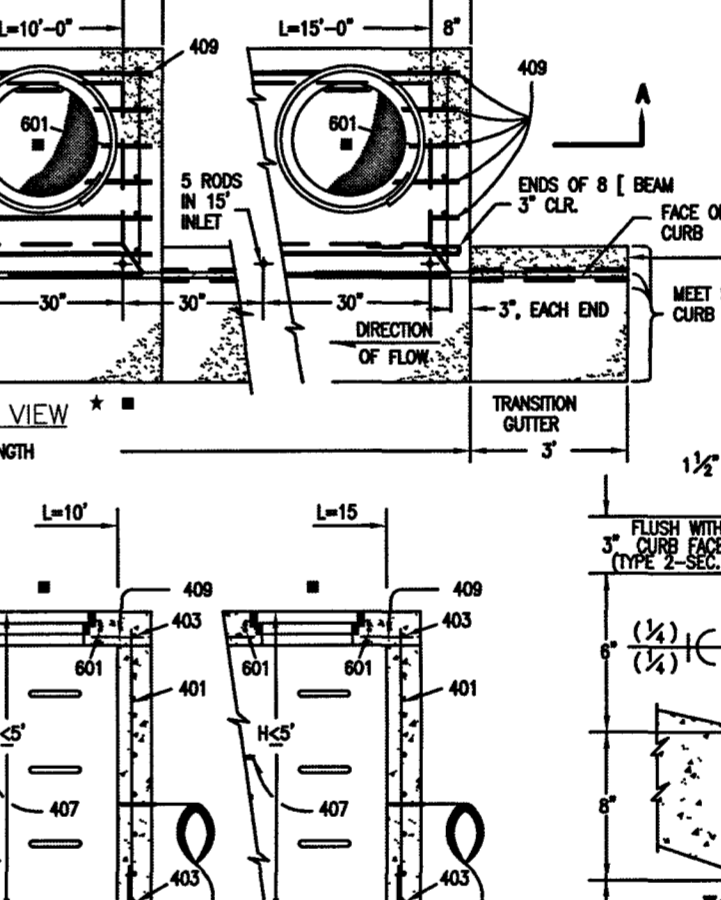
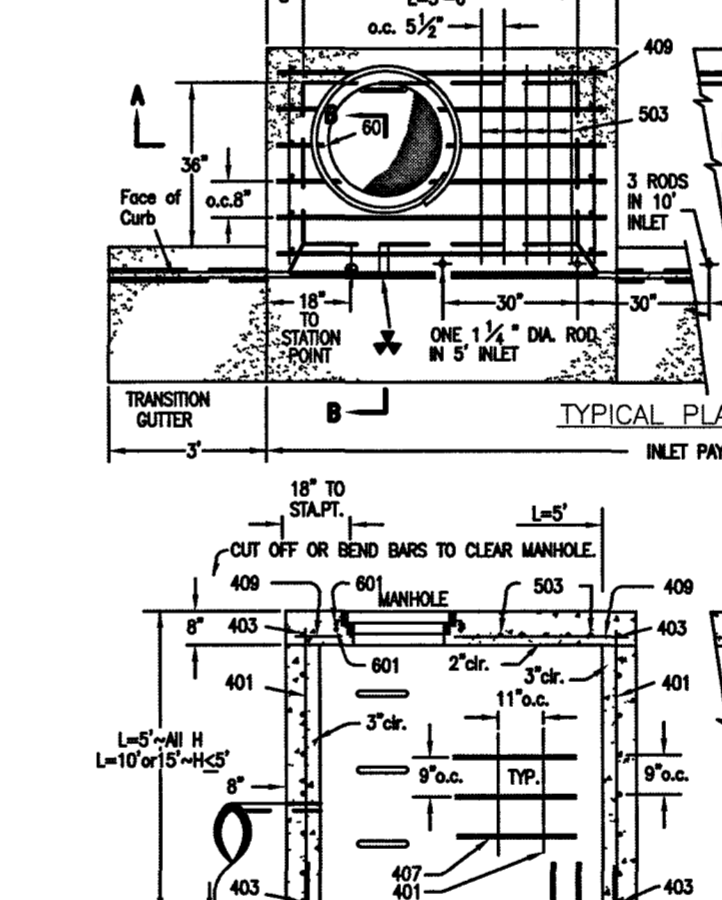
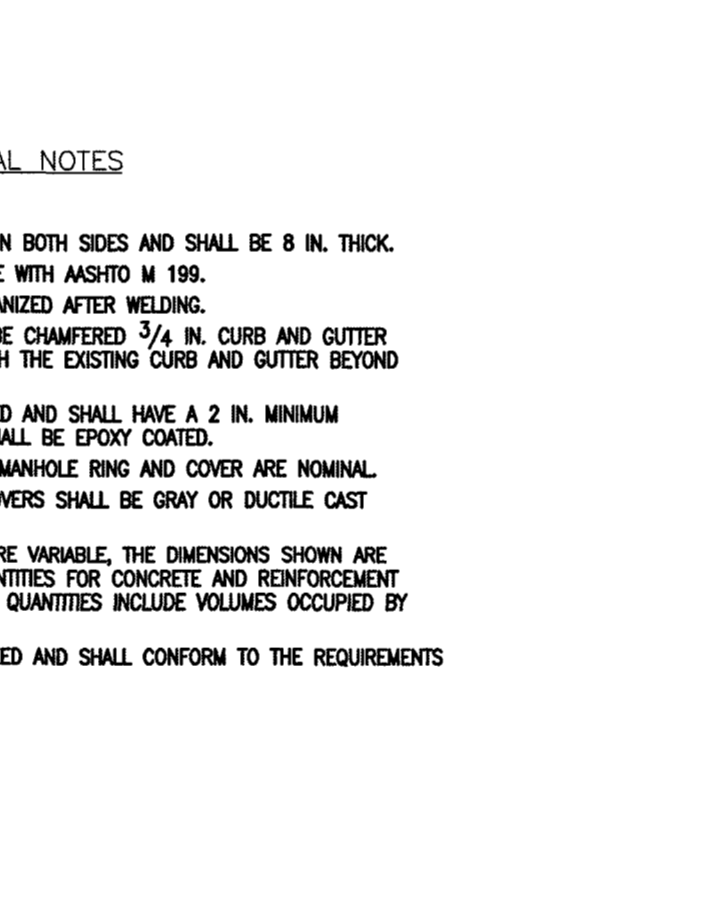
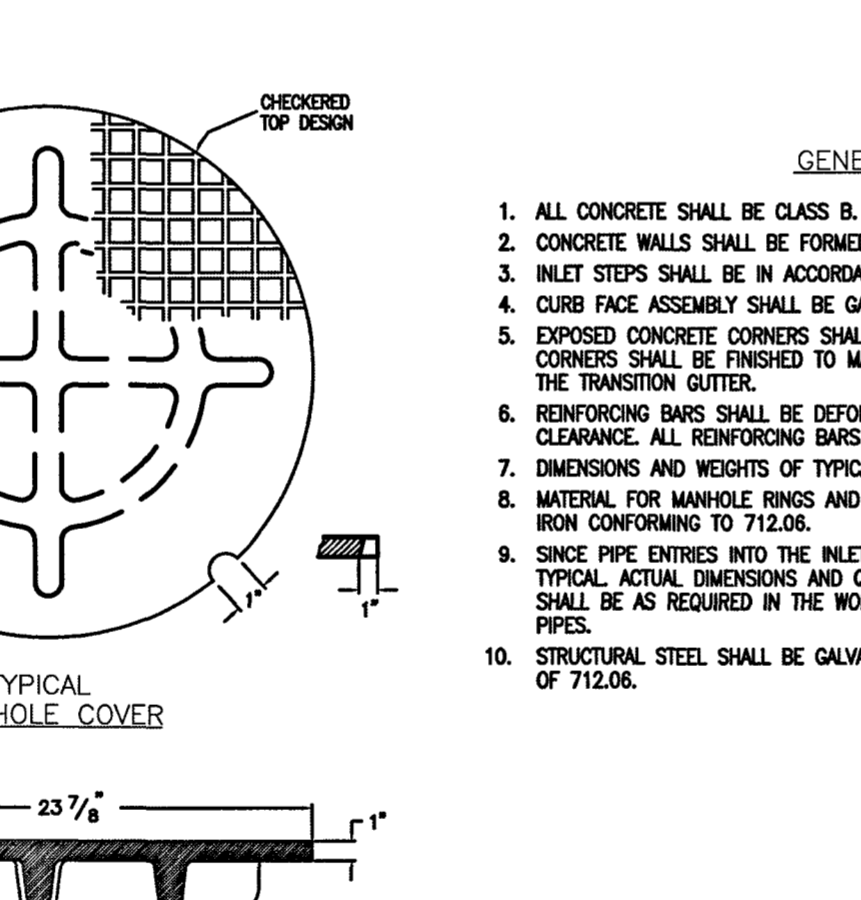
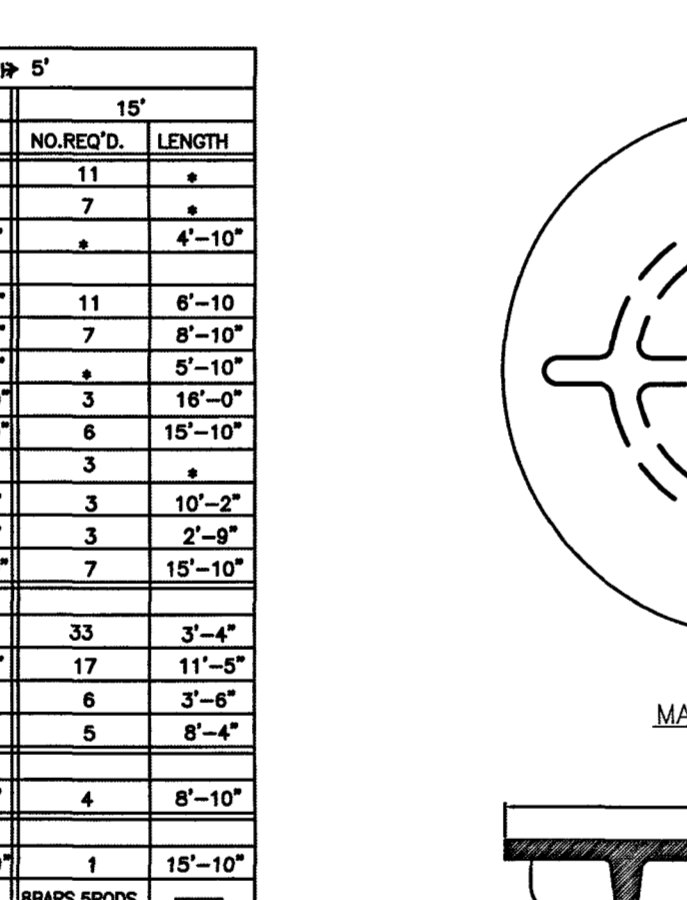
MARK	SIZE	TYPE	WT. #/FT.	MARK	SIZE	TYPE	WT. #/FT.	MARK	SIZE	TYPE	WT. #/FT.
401	4	I	0.868	402	4	II	0.868	501	5	I	1.043
402	4	II	0.868	502	5	II	1.043	503	5	I	1.043
501	5	I	1.043	504	5	II	1.043	1101	11	I	5.313
502	5	II	1.043	1101	11	I	5.313	1102	11	I	5.313
503	5	I	1.043	1102	11	I	5.313	1103	11	I	5.313
504	5	II	1.043	1103	11	I	5.313				



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

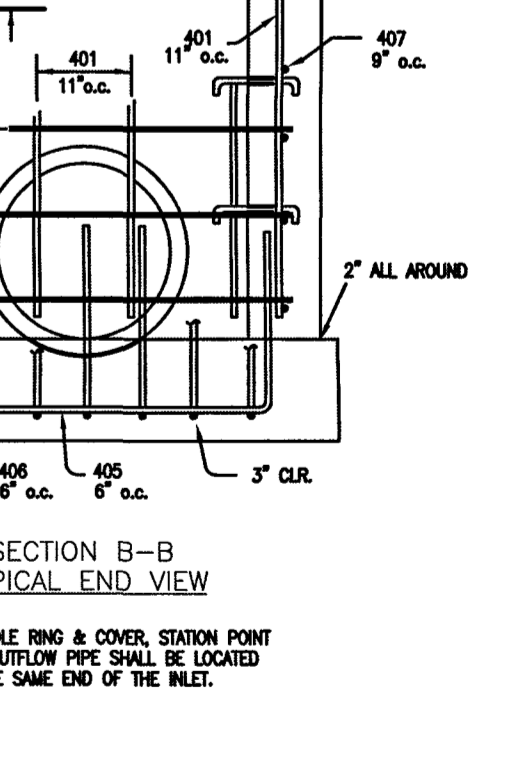
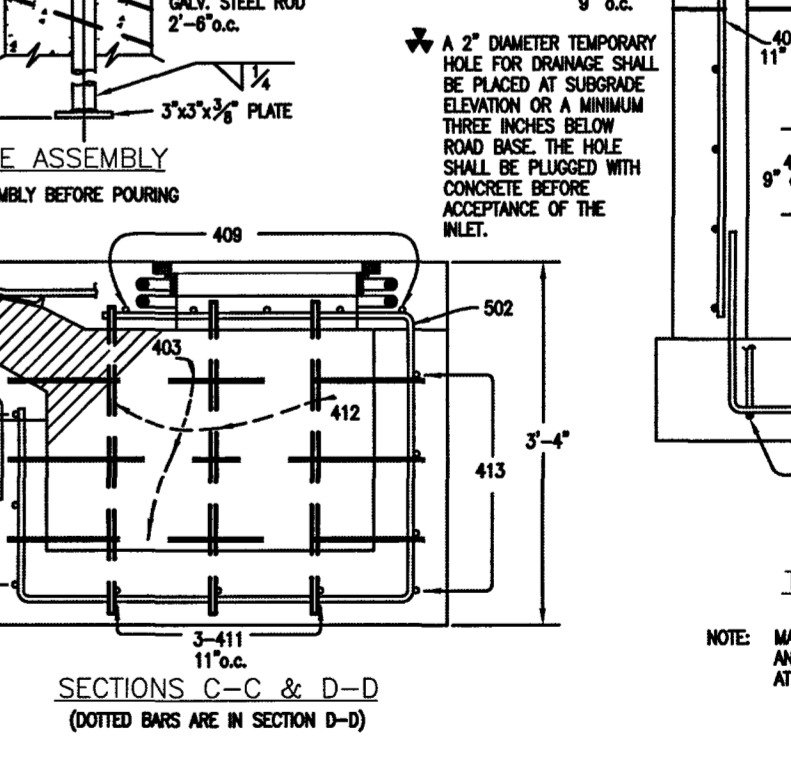
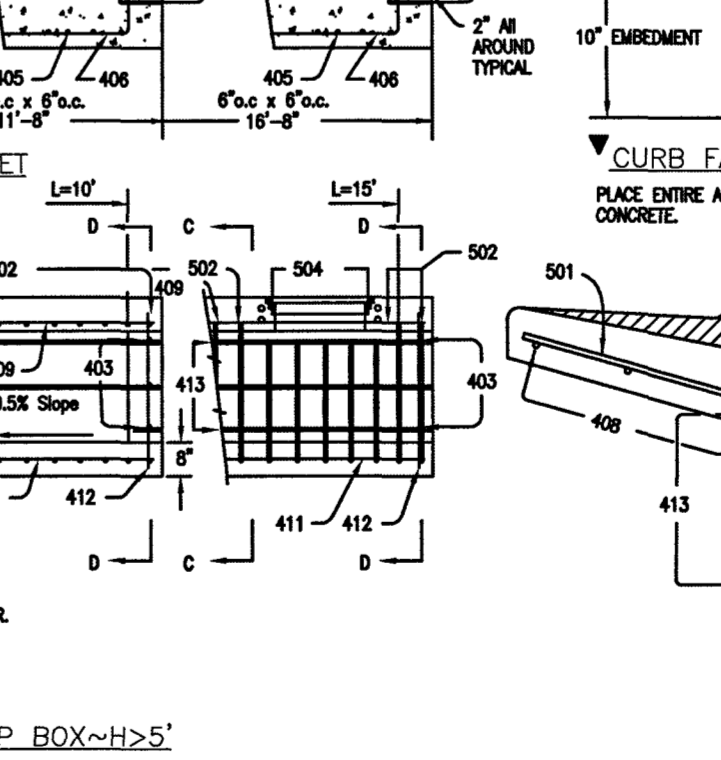
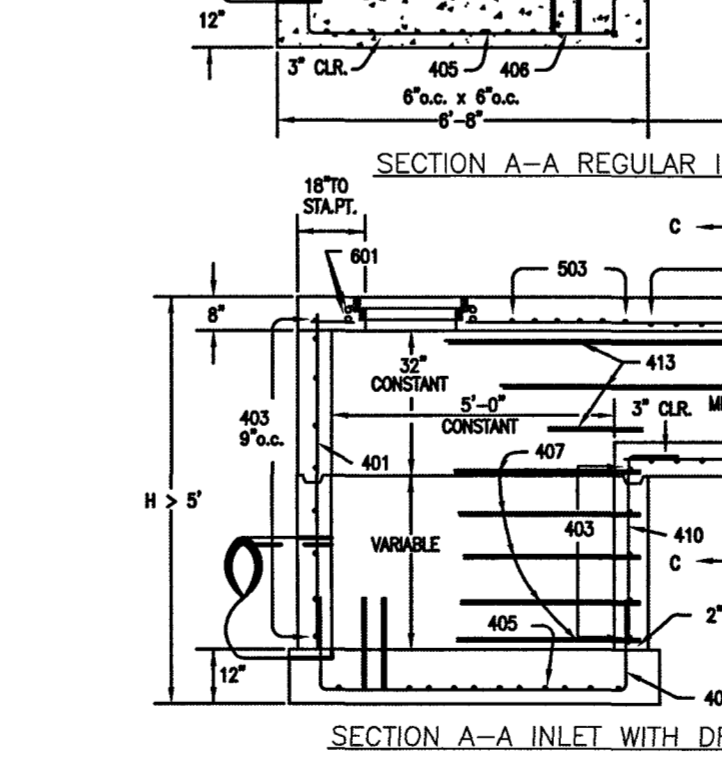
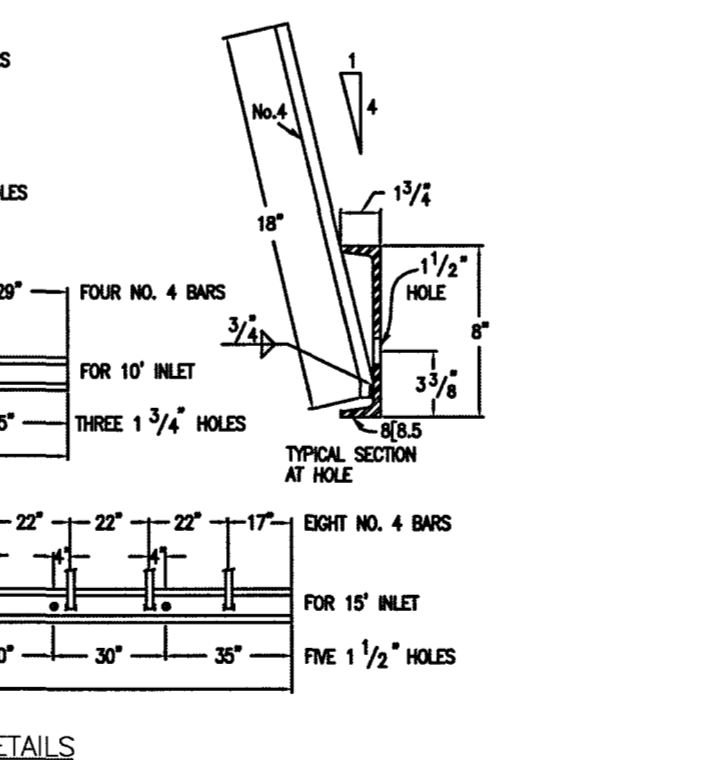
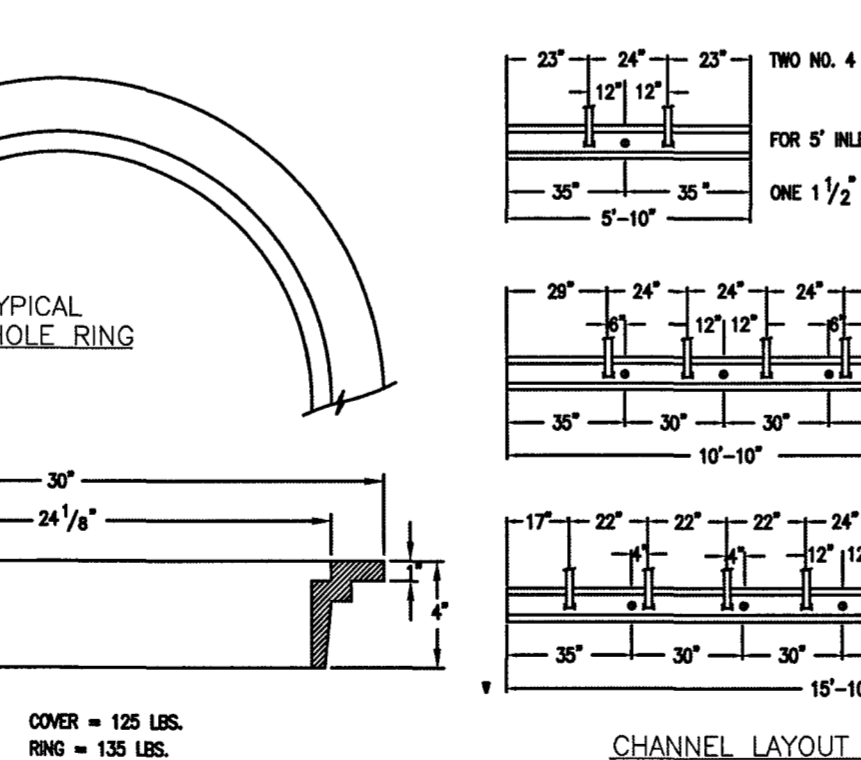
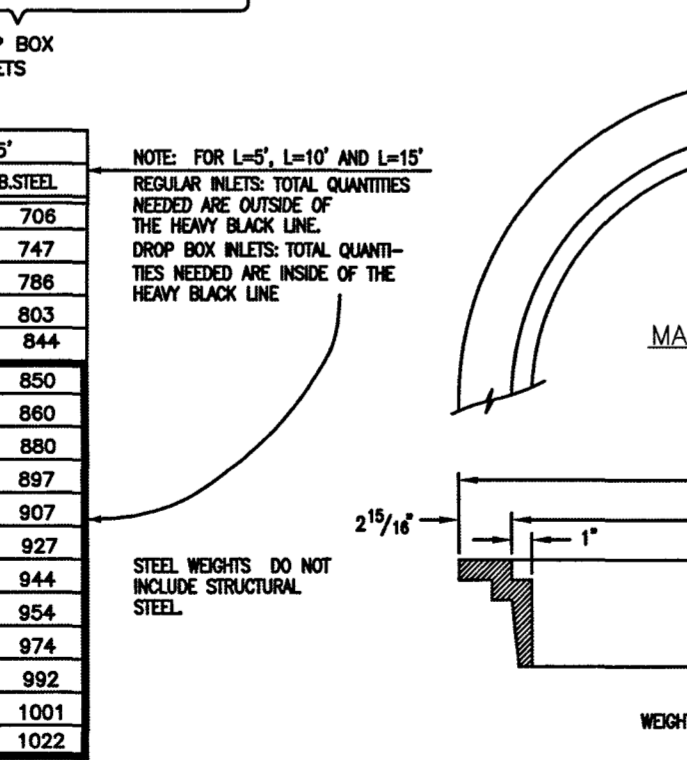
**TABLE ONE - BAR LIST FOR CURB INLETS, TYPE "R"**

MARK	DIA. IN.	O.C. SPACING	TYPE	INLETS, H = 5"							
				L=5'		L=10'		L=15'		L=20'	
401	1 1/2"	11"	II	21	11	15	11	21	11	15	11
402	1 1/2"	11"	II	21	11	15	11	21	11	15	11
403	1 1/2"	11"	II	21	11	15	11	21	11	15	11
405	8"	11"	II	21	11	15	11	21	11	15	11
406	8"	11"	II	21	11	15	11	21	11	15	11
407	8"	11"	II	21	11	15	11	21	11	15	11
408	8"	11"	II	21	11	15	11	21	11	15	11
409	8"	11"	II	21	11	15	11	21	11	15	11
410	8"	11"	II	21	11	15	11	21	11	15	11
411	8"	11"	II	21	11	15	11	21	11	15	11
412	8"	11"	II	21	11	15	11	21	11	15	11
413	8"	11"	II	21	11	15	11	21	11	15	11
501	5 1/2"	11"	IV	22	11	15	11	22	11	15	11
502	5 1/2"	11"	III	22	11	15	11	22	11	15	11
503	5 1/2"	11"	III	22	11	15	11	22	11	15	11
504	5 1/2"	11"	III	22	11	15	11	22	11	15	11
601	2 1/2"	11"	V	2	2	2	2	2	2	2	2



**TABLE TWO - BARS AND QUANTITIES VARIABLE WITH "H"**

H'	L=5'		L=10'		L=15'	
	LENGTH	NO. BARS	LENGTH	NO. BARS	LENGTH	NO. BARS
3'-0"	1'-8"	10	3'-0"	10	3'-0"	10
3'-6"	1'-8"	10	3'-6"	10	3'-6"	10
4'-0"	1'-8"	10	4'-0"	10	4'-0"	10
4'-6"	1'-8"	10	4'-6"	10	4'-6"	10
5'-0"	1'-8"	10	5'-0"	10	5'-0"	10



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

PCD FILE # SF1915

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS	NO. REVISION	DATE	REVIEW:
811 UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW			PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC
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	FOREST LAKES FILING NO. 5 CONSTRUCTION DRAWINGS				
	DETAILS SHEET				
	DESIGNED BY	MAL		SCALE	(H) 1" = N/A
DRAWN BY	BB	(V) 1" = N/A	SHEET	31	OF 32
CHECKED BY			JOB NO.	1175.50	

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