

# OVERLOT GRADING, POND SR4 & UTILITY CONSTRUCTION DOCUMENTS

## FALCON MARKETPLACE

SE 1/4 OF THE SE 1/4 OF SECTION 1,  
T13S, R65W OF THE 6TH P.M.  
11680 E. WOODMEN ROAD  
FALCON, COLORADO

### AGENCY CONTACTS

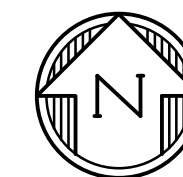
<b>COUNTY</b>	EL PASO COUNTY DEVELOPMENT SERVICES KARI PARSONS, PROJECT MANAGER/PLANNER II 2880 INTERNATIONAL CIRCLE, SUITE 110 COLORADO SPRINGS, CO 80910 (719) 520-6300
<b>FIRE</b>	FALCON FIRE DEPARTMENT TRENT HARWIG, FIRE CHIEF 7030 OLD MERIDIAN ROAD FALCON, CO 80831 (719)495-4050
<b>WATER</b>	WOODMEN HILLS METROPOLITAN DISTRICT GENE COZZOLINO, DIRECTOR OF WATER & WASTEWATER 8046 EASTONVILLE ROAD FALCON, CO 80831 (719) 495-2500
<b>WASTEWATER</b>	WOODMEN HILLS METROPOLITAN DISTRICT GENE COZZOLINO, DIRECTOR OF WATER & WASTEWATER 8046 EASTONVILLE ROAD FALCON, CO 8083 (719) 495-2500
<b>ELECTRIC</b>	MOUNTAIN VIEW ELECTRIC ASSOCIATION LES ULFERS 11140 E. WOODMEN ROAD FALCON, CO 80831 (719) 495-2283
<b>GAS</b>	COLORADO SPRINGS UTILITIES TODD STURTEVANT 1521 HANCOCK EXPRESSWAY COLORADO SPRINGS, CO 80947 (719) 668-3556
<b>TELEPHONE</b>	CENTURY LINK SALLY KLEIN (719) 636-4329 (LOCATORS) (719) 597-8418 AT&T (LOCATORS) (719) 635-3674
<b>CABLE</b>	COMCAST DALE STEWART 213 N. UNION BLVD COLORADO SPRINGS, CO 80909 (719) 442-4733
<b>PETROLEUM</b>	NUSTAR DANNY McCRORY 7810 DRENNAN ROAD COLORADO SPRINGS, CO 80925 (719) 391-0942
<b>OTHER</b>	WOODMEN ROAD METROPOLITAN DISTRICT TERRY SCHOOLER 20 BOULDER CRESCENT, SUITE #200 COLORADO SPRINGS, CO 80903 (719) 447-1777

### ESTIMATED COST OF TEMPORARY + PERMANENT BMPs INCLUDING INSTALLATION AND MAINTENANCE UNTIL FINAL STABILIZATION (FINAL + INTERIM STAGE)

NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
1	Earthwork	78000	CY	\$5.00	\$390,000.00
2	Permanent Seeding	10.4	AC	\$582.00	\$6,052.80
3	Mulching	10.4	AC	\$507.00	\$5,272.80
4	Permanent Erosion Blanket	5900	SY	\$6.00	\$35,400.00
5	Temporary Erosion Blanket	0	SY	\$3.00	\$0.00
6	Vehicle Tracking Control	1	EA	\$1,626.00	\$1,626.00
7	Safety Fence	5000	LF	\$3.00	\$15,000.00
8	Silt Fence	4900	LF	\$4.00	\$19,600.00
9	Temporary Seeding	21.8	AC	\$485.00	\$10,573.00
10	Temporary Mulch	21.8	AC	\$507.00	\$11,052.60
11	Erosion Bales	31	EA	\$21.00	\$651.00
12	Erosion Logs	0	LF	\$6.00	\$0.00
13	Rock Ditch Checks	0	EA	\$0.00	\$0.00
14	Inlet Protection	14	EA	\$153.00	\$2,142.00
15	Sediment Basin	4	EA	\$1,625.00	\$6,500.00
16	Concrete Washout Basin	1	EA	\$776.00	\$776.00
17	Clay Liner - Pond SR4	6250	CY	\$3.00	\$18,750.00
	<b>TOTAL</b>				<b>\$523,396.20</b>



VICINITY MAP  
NOT TO SCALE



### BENCHMARK

ELEVATIONS ARE BASED ON COLORADO SPRINGS UTILITIES FACILITIES INFORMATION SYSTEM (FIMS) "BLT 167", A 2" ALUMINUM CAP IN CONCRETE LOCATED ON AN ELECTRIC TRANSFORMER PAD AT THE SOUTHEAST CORNER OF WOODMEN ROAD AND MERIDIAN ROAD, WITH AN ELEVATION OF 6873.18 (NGVD 29).

### LEGAL DESCRIPTION

THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 1, TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, TOGETHER WITH THAT PORTION OF BLOCK 1, TOWN OF FALCON, LYING WITHIN THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 1, TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO.

EXCEPT THOSE PORTIONS CONVEYED TO WOODMEN ROAD METROPOLITAN DISTRICT BY WARRANTY DEED RECORDED APRIL 19, 2004 AT RECEPTION NO. 204062427 AND PERSONAL REPRESENTATIVE'S DEED RECORDED SEPTEMBER 7, 2007 AT RECEPTION NO. 207116129, EL PASO COUNTY, COLORADO RECORDS.

### FLOODPLAIN STATEMENT

THE EFFECTIVE FLOODPLAIN ZONE A LIMITS ARE DEFINED ON THE FIRM FOR EL PASO COUNTY, COLORADO AND UNINCORPORATED AREAS, MAP NUMBER 8041C0575F, EFFECTIVE DATE MARCH 17, 1997. FEMA ISSUED PRELIMINARY FIRM MAP 08041C0553G DATED JULY 29, 2015 TO REFLECT LIMITS MODIFIED BY LOMR CASE NO. 12-08-0579P (FEBRUARY 28, 2013).

A CDMR TO MODIFY THE FLOODPLAIN HAS BEEN SUBMITTED AND APPROVED BY FEMA, CASE NO. 17-08-0074R (MAY 26, 2017).

### TIMING

ANTICIPATED STARTING AND COMPLETION TIME PERIOD OF SITE GRADING: FALL 2018-SUMMER 2019

### AREAS

TOTAL AREA OF THE SITE TO BE CLEARED, EXCAVATED OR GRADED: APPROXIMATELY 36.4 ACRES

### RECEIVING WATERS

FALCON WATERSHED - UNNAMED TRIBUTARY TO UPPER BLACK SQUIRREL CREEK

### SOILS

HYDROLOGIC TYPE A: BLAKELAND LOAMY SAND (NO. 8) AND BLAKELAND-FLUVAQUENTIC HAPLAQUOLIS (NO. 9)

### SHEET INDEX

<b>COVER &amp; NOTES</b>	<b>UTILITY PLANS</b>
C1.0 COVER SHEET	C8.0 SANITARY SEWER PLANS
C1.1 NOTES	C8.1 SANITARY SEWER PLANS
	C8.2 RAW WATER PLANS
<b>GRADING &amp; EROSION CONTROL</b>	C8.3 RAW WATER PLANS
C2.0 INTERIM GRADING & EROSION CONTROL PLANS	C8.4 WATER PLANS
C2.1 INTERIM GRADING & EROSION CONTROL PLANS	C8.5 WATER PLANS
C2.2 GRADING & EROSION CONTROL DETAILS	C8.6 WATER PLANS
C2.3 GRADING & EROSION CONTROL DETAILS	C8.7 WATER PLANS
	C8.8 UTILITY SERVICE PLAN
<b>STORM SEWER PLANS</b>	C8.9 UTILITY DETAILS
C7.0 POND #1 OUTFALL STORM SEWER PLANS	C8.10 UTILITY DETAILS
C7.1 OPEN CHANNEL STORM PLANS	C8.11 UTILITY DETAILS
C7.2 POND #1 (SR4) PLAN	
C7.3 POND #1 (SR4) DETAILS	
C7.4 POND #1 (SR4) DETAILS	
C7.5 POND #1 (SR4) DETAILS	
C7.6 OPEN CHANNEL DETAILS	
C7.7 STORM SEWER DETAILS	

### NOTE

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

### 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 CRITERIA ESTABLISHED BY THE COUNTY FOR THE DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

TIM D. MCCONNELL DATE  
P.E.# 33797

### OWNER'S STATEMENT

THE OWNER WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN.

STEVE MEIER DATE

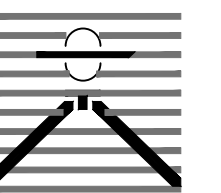
### EL PASO COUNTY

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

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

JENNIFER IRVINE, P.E. DATE  
COUNTY ENGINEER

PREPARED BY:



DREXEL, BARRELL & CO.  
Engineers-Surveyors  
3 SOUTH 7TH STREET  
COLORADO SPGS, COLORADO 80905  
CONTACT: TIM D. MCCONNELL, P.E.  
(719)260-0887  
BOULDER • COLORADO SPRINGS

CLIENT:

HUMMEL INVESTMENTS, LLC

8117 PRESTON ROAD, SUITE 120  
DALLAS, TEXAS 75225

(214) 416-9820

OVERLOT GRADING, POND SR4 & UTILITY  
CONSTRUCTION DRAWINGS FOR  
FALCON  
MARKETPLACE  
FALCON, COLORADO

ISSUE	DATE
1ST SUBMITTAL	6-20-17
RESUBMITTAL	8-13-18

DESIGNED BY: TDM  
DRAWN BY: KGV  
CHECKED BY: TDM  
FILE NAME: 20988-EG-CVR

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

DRAWING SCALE:  
HORIZONTAL: N/A  
VERTICAL: N/A

COVER SHEET

PROJECT NO. 20988-00CSCV  
DRAWING NO.

**C1.0**

SHEET: 1 OF 26



**STANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS**

- 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 TO 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. DURING CONSTRUCTION THE SMWP IS THE RESPONSIBILITY OF THE DESIGNATED STORMWATER MANAGER, SHALL BE LOCATED ON SITE AT ALL TIMES AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
- ONCE THE ESQCP HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL BMPs AS INDICATED ON THE 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 INSPECTIONS STAFF.
- SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN 21 CALENDAR DAYS AFTER FINAL GRADING, OR FINAL EARTH DISTURBANCE, HAS BEEN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS SHALL ALSO BE MULCHED WITHIN 21 DAYS AFTER INTERIM GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAN 60 DAYS SHALL ALSO BE SEDED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND BMPs SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND ESTABLISHED.
- TEMPORARY SOIL EROSION CONTROL FACILITIES SHALL BE REMOVED AND EARTH DISTURBANCE AREAS GRADED AND STABILIZED WITH PERMANENT SOIL EROSION CONTROL MEASURES PURSUANT TO STANDARDS AND SPECIFICATION PRESCRIBED IN THE DCM VOLUME II AND THE ENGINEERING CRITERIA MANUAL (ECM) APPENDIX I.
- ALL PERSONS ENGAGED IN EARTH DISTURBANCE SHALL IMPLEMENT AND MAINTAIN ACCEPTABLE SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING BMPs IN CONFORMANCE WITH THE EROSION CONTROL TECHNICAL STANDARDS OF THE DRAINAGE CRITERIA MANUAL (DCM) VOLUME II AND IN ACCORDANCE WITH THE STORMWATER MANAGEMENT PLAN (SMWP).
- ALL TEMPORARY EROSION CONTROL FACILITIES INCLUDING BMPs AND ALL PERMANENT FACILITIES INTENDED TO CONTROL EROSION OF ANY EARTH DISTURBANCE OPERATIONS, SHALL BE INSTALLED AS DEFINED IN THE APPROVED PLANS, THE SMWP AND THE DCM VOLUME II AND MAINTAINED THROUGHOUT THE DURATION OF THE EARTH DISTURBANCE OPERATION.
- ANY EARTH DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY REDUCE 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.
- ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE DESIGNED TO LIMIT THE DISCHARGE TO A NON-EROSIVE VELOCITY.
- CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SMWP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
- EROSION CONTROL BLANKETING IS TO BE USED ON SLOPES STEEPER THAN 3:1.
- BUILDING, CONSTRUCTION, EXCAVATION, OR OTHER 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. BMP'S MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
- VEHICLE TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFFSITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
- 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.
- THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, AND SAND THAT MAY ACCUMULATE IN THE STORM SEWER OR OTHER DRAINAGE CONVEYANCE SYSTEM 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 CHEMICALS ARE TO BE USED BY THE CONTRACTOR, WHICH HAVE THE POTENTIAL TO BE RELEASED IN STORMWATER UNLESS PERMISSION FOR THE USE OF A SPECIFIC CHEMICAL IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING THE USE OF SUCH CHEMICALS, SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
- BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS SHALL HAVE ADEQUATE PROTECTION SO AS TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
- NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER OR IN THE DITCHLINE.
- INDIVIDUALS 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 INCLUDED IN THE DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.), IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, OR COUNTY AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- PRIOR TO ACTUAL CONSTRUCTION THE PERMITEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
- THIS PROPERTY IS SUBJECT TO THE FINDINGS, SUMMARY, AND CONCLUSIONS OF THE PRELIMINARY GEOTECHNICAL INVESTIGATION BY GROUND ENGINEERING, DATED AUGUST 25, 2015, WITH ADDENDA #1, DATED MARCH 17, 2017.
- AT LEAST TEN DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB 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 (SMWP), 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

**GENERAL NOTES:**

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE EL PASO COUNTY STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, AND REVISIONS THERETO, EXCEPT WHERE OTHERWISE NOTED ON THE PROJECT PLANS AND THE PROJECT SPECIAL PROVISIONS.
- PRIOR TO COMMENCING ANY WORK, THE CONTRACTOR SHALL SUBMIT IN WRITING A DETAILED PLAN OF OPERATIONS AND SCHEDULE OF COMPLETION.
- THE CONTRACTOR SHALL PROVIDE EL PASO COUNTY AND THE 911 OPERATOR WITH THE NAME AND PHONE NUMBER OF THEIR REPRESENTATIVE TO BE CONTACTED DURING WORKING AND NON-WORKING HOURS AS NECESSARY.
- A QUALIFIED SUPERINTENDENT, WHO IS ACCEPTABLE TO THE OWNER, SHALL BE APPOINTED TO SUPERVISE THE WORK UNTIL COMPLETION. THE SUPERINTENDENT SHALL HAVE FULL AUTHORITY TO ACT ON BEHALF OF THE CONTRACTOR, AND ALL DIRECTIONS GIVEN TO THE SUPERINTENDENT SHALL BE CONSIDERED GIVEN TO THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED PERMITS AT HIS OWN EXPENSE, TO COMPLETE THE CONSTRUCTION CONTAINED ON THESE DOCUMENTS AND SHALL COMPLY WITH ALL PERTINENT LOCAL, STATE AND FEDERAL REGULATIONS AND REQUIREMENTS.
- THE CONTRACTOR SHALL MAINTAIN AN "AS CONSTRUCTED" RECORD OF ALL ROADWAY AND UTILITY CONSTRUCTION AND SHALL FURNISH A COPY OF SAME TO EL PASO COUNTY AND THE ENGINEER UPON COMPLETION OF CONSTRUCTION.
- THE OWNER WILL PERFORM QUALITY ASSURANCE TESTING OF SUBGRADE AND MATERIALS. QUALITY CONTROL TESTING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**SITE PREPARATION**

- CONTRACTOR SHALL FIELD VERIFY PROFILE GRADES AND ADJUST GRADES WHERE DIRECTED BY THE FIELD ENGINEER.
- IF FIELD CONDITIONS ARE FOUND TO BE DIFFERENT THAN SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE FIELD ENGINEER IMMEDIATELY SO THAT APPROPRIATE ACTION CAN BE TAKEN BY THE OWNER.
- PRIOR TO STARTING CONSTRUCTION, PREPARE A TRAFFIC CONTROL PLAN AND OBTAIN APPROVAL FROM EL PASO COUNTY PERSONNEL. MAINTAIN ONE LANE OF TRAFFIC MOVEMENT IN EACH DIRECTION DURING CONSTRUCTION UNLESS OTHER ARRANGEMENTS (ONE WAY, DETOUR, ETC.) ARE MADE WITH EL PASO COUNTY DURING TRAFFIC CONTROL PLAN PREPARATION.
- REMOVAL OF ALL PERMANENT SIGNAGE FROM WITHIN THE AREA OF WORK AND DELIVERY TO EL PASO COUNTY'S MAINTENANCE YARD AT 3275 AKERS DRIVE, COLORADO SPRINGS, COLORADO. ASPHALT REMOVAL SHALL INCLUDE SAW CUTTING, REMOVAL, AND DELIVERY OF UNUSED REMOVED ASPHALT AND MILLINGS TO EL PASO COUNTY DISPATCH 719-520-6891 TO COORDINATE DELIVERY OF THE MATERIAL. DELIVERY WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE WORK.
- THE CONTRACTOR SHALL NOT REMOVE ANY EXISTING SIGNS OR PAVEMENT MARKINGS DURING PROJECT WITHOUT SIGNED AUTHORIZATION OF THE EL PASO COUNTY REPRESENTATIVE.
- TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH COLORADO DEPARTMENT OF TRANSPORTATION M & S STANDARD 630, AND THE MUTCD. ALL ACCESSES, BOTH PRIVATE AND COMMERCIAL ARE TO BE MAINTAINED AND REMAIN OPERATIONAL DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLAN TO COUNTY BEFORE BEGINNING WORK AND PRIOR TO BEGINNING A NEW PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL PROTECT ALL EL PASO COUNTY AND OTHERS MONUMENTS, INCLUDING PROPERTY CORNERS WITHIN THE PROJECT LIMITS. ANY MONUMENT WHICH IS DISTURBED OR DESTROYED BY THE CONTRACTOR WILL BE RESTORED IN ACCORDANCE WITH CDOT STANDARDS AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL INSTALL NEW MONUMENTS AS INDICATED ON THE ROW PLANS. ALL MONUMENTS ARE PROPERTY CORNERS WILL BE ADJUSTED TO FINAL GRADE PER CDOT STANDARDS.
- THE CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION SURVEYING.
- EXISTING TREES SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. TREES SHALL NOT BE REMOVED UNLESS AUTHORIZED BY THE OWNER/FIELD ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY DISPOSING OF ALL REMOVALS OFF THE PROJECT SITE. COST FOR DISPOSAL OF ALL REMOVED ITEMS SHALL BE INCLUDED IN THE WORK.

**UTILITY**

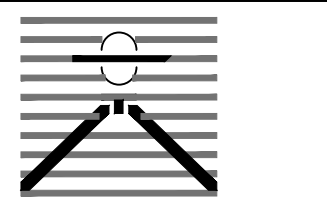
- THE SIZE AND LOCATION OF ALL EXISTING UTILITIES AS KNOWN TO THE ENGINEER HAVE BEEN NOTED ON THE PLANS FOR INFORMATION AND GUIDANCE OF THE CONTRACTOR. UTILITY LOCATIONS ARE ONLY APPROXIMATE AS PROVIDED BY THE VARIOUS UTILITY COMPANIES. ALL UTILITIES MAY NOT BE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES OR VARIATION IN UTILITY LOCATION FROM THAT SHOWN ON THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE FIELD ENGINEER AND RESOLVED PRIOR TO BEGINNING CONSTRUCTION IN ANY AREA. UTILITY LOCATIONS CAN BE COORDINATED THROUGH CENTRAL LOCATING AT 1-800-022-1987. THE CONTRACTOR SHALL PROTECT ALL EXISTING AND NEW UTILITIES IN THE VICINITY OF HIS WORK. IF ANY DAMAGE OCCURS TO THESE UTILITIES DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE THE UTILITY. THE CONTRACTOR IS RESPONSIBLE FOR ANY UTILITIES DISRUPTED BY THE CONSTRUCTION AND ALL EXPENSES INCURRED FOR REPAIR.
- UTILITY RELOCATIONS SHALL BE IDENTIFIED, DESIGNED AND PERFORMED BY THE UTILITY OWNER, OR THEIR DESIGNATED CONTRACTOR. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY PROVIDERS FOR UTILITY RELOCATION AND REPLACEMENT.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST 3 WEEKS IN ADVANCE OF THE ACTUAL STARTING DATE OF CONSTRUCTION. THE CONTRACTOR SHALL USE CAUTION WORKING OVER AND AROUND ALL UTILITY LINES. UTILITY INFORMATION AS SHOWN ON PLANS IS PLOTTED FROM THE BEST AVAILABLE INFORMATION, AND THE ENGINEER DOES NOT GUARANTEE THE ACCURACY OF THIS INFORMATION. UTILITIES HAVE NOT BEEN FIELD VERIFIED. CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL OTHER NECESSARY UTILITIES FOR LOCATIONS PRIOR TO ANY DIGGING. CONTRACTOR IS ALSO RESPONSIBLE FOR COORDINATING ANY UTILITY RELOCATIONS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN THE COST OF OTHER WORK.
- THE CONTRACTOR SHALL ADJUST ANY VALVES OR MANHOLES OF EXISTING UTILITIES NOT TO BE RELOCATED TO THE PROPOSED GRADE. THE COST SHALL BE INCLUDED IN THE PRICE OF THE WORK.
- A REPRESENTATIVE OF EL PASO COUNTY IS REQUIRED TO BE ON SITE DURING EXCAVATION AND CONSTRUCTION AROUND UNDERGROUND FACILITIES. IT IS THE CONSTRUCTION CONTRACTOR'S RESPONSIBILITY TO NOTIFY EL PASO COUNTY 48 HOURS PRIOR TO CONSTRUCTION.
- ALL PIPES INSTALLED ON THE PROJECT SHALL BE PAID FOR "COMPLETE IN PLACE". TRENCH EXCAVATION, BEDDING, BACKFILL, ECT. WILL NOT BE PAID FOR SEPARATELY.

**EARTHWORK**

- COMPACTION OF SUBGRADE SHALL MEET THE REQUIREMENT OF 95% MAXIMUM DRY DENSITY AS DETERMINED BY AASHTO T-99. SUB-GRADE SHALL BE PROOF ROLLED IN ACCORDANCE WITH SECTION 203 OF THE STANDARD SPECIFICATIONS. PROOF ROLLING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.
- COMPACTION OF BASE FOR CUTS AND FILLS AND DISPOSAL OF UNUSABLE OR EXCESS MATERIAL WILL BE CONSIDERED INCIDENTAL TO UNCLASSIFIED EXCAVATION PAY ITEM AND SHALL NOT BE PAID FOR SEPARATELY.
- PRIOR TO PLACING NEW PAVEMENT SECTIONS, THE SUBGRADE SHALL BE RECONDITIONED IN ACCORDANCE WITH SECTION 306 OF THE CDOT STANDARD SPECIFICATIONS. THE RECONDITIONED SURFACE SHALL BE PROOF-ROLLED WITH A HEAVY LOADED PNEUMATIC-TIRED VEHICLE HAVING A SINGLE AXLE WEIGHT OF AT LEAST 18 KIPS. AREAS WHICH DEFORM UNDER HEAVY WHEEL LOADS SHALL BE REMOVED AND REPLACED TO ACHIEVE A STABLE SUBGRADE PRIOR TO PAVING. PROOF ROLLING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.
- DEPTH OF MOISTURE-DENSITY CONTROL FOR THIS PROJECT SHALL BE AS FOLLOWS:  
 ----- FULL DEPTH OF ALL EMBANKMENTS  
 ----- BASE OF CUTS AND FILL - 1.00 FOOT
- GROUNDWATER MITIGATION MEASURES FOR POND SR4 WILL CONSIST OF INSTALLATION OF A 12-INCH THICK IMPERVIOUS CLAY LINER, TO RESOLVE THE POTENTIAL FOR GROUNDWATER SEEPAGE. LINER SPECIFICATIONS WILL BE BASED ON THE COLORADO DEPARTMENT OF NATURAL RESOURCES SPECIFICATIONS.

Reference separate clay liner specifications which include clearance, depth, and tie-in requirements.

PREPARED BY:



DREXEL, BARRELL & CO.  
 Engineers-Surveyors  
 3 SOUTH 7TH STREET  
 COLORADO SPGS, COLORADO 80905  
 CONTACT: TIM D. McCONNELL, P.E.  
 (719)260-0887  
 BOULDER • COLORADO SPRINGS

CLIENT:

HUMMEL INVESTMENTS, LLC

8117 PRESTON ROAD, SUITE 120  
 DALLAS, TEXAS 75225  
 (214) 416-9820

OVERLOT GRADING, POND SR4 & UTILITY  
 CONSTRUCTION DRAWINGS FOR

FALCON  
 MARKETPLACE  
 FALCON, COLORADO

ISSUE	DATE
1ST SUBMITTAL	6-20-17
RESUBMITTAL	8-13-18

DESIGNED BY:	TDM
DRAWN BY:	GES
CHECKED BY:	TDM
FILE NAME:	20988-EG-NTS

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

DRAWING SCALE:  
 HORIZONTAL: N/A  
 VERTICAL: N/A

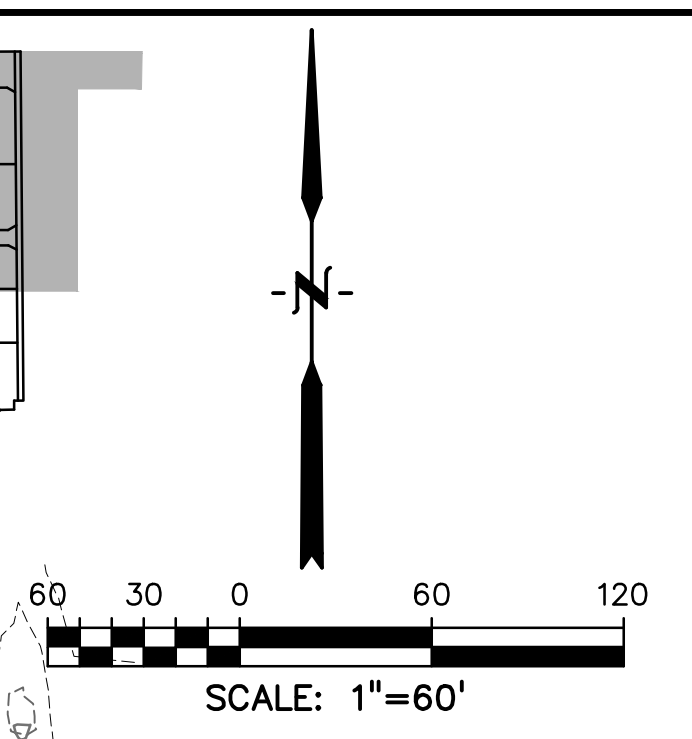
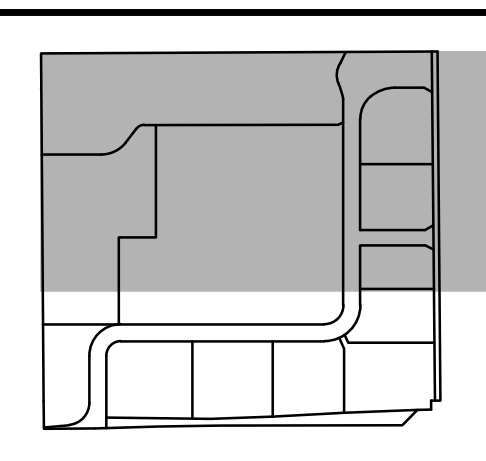
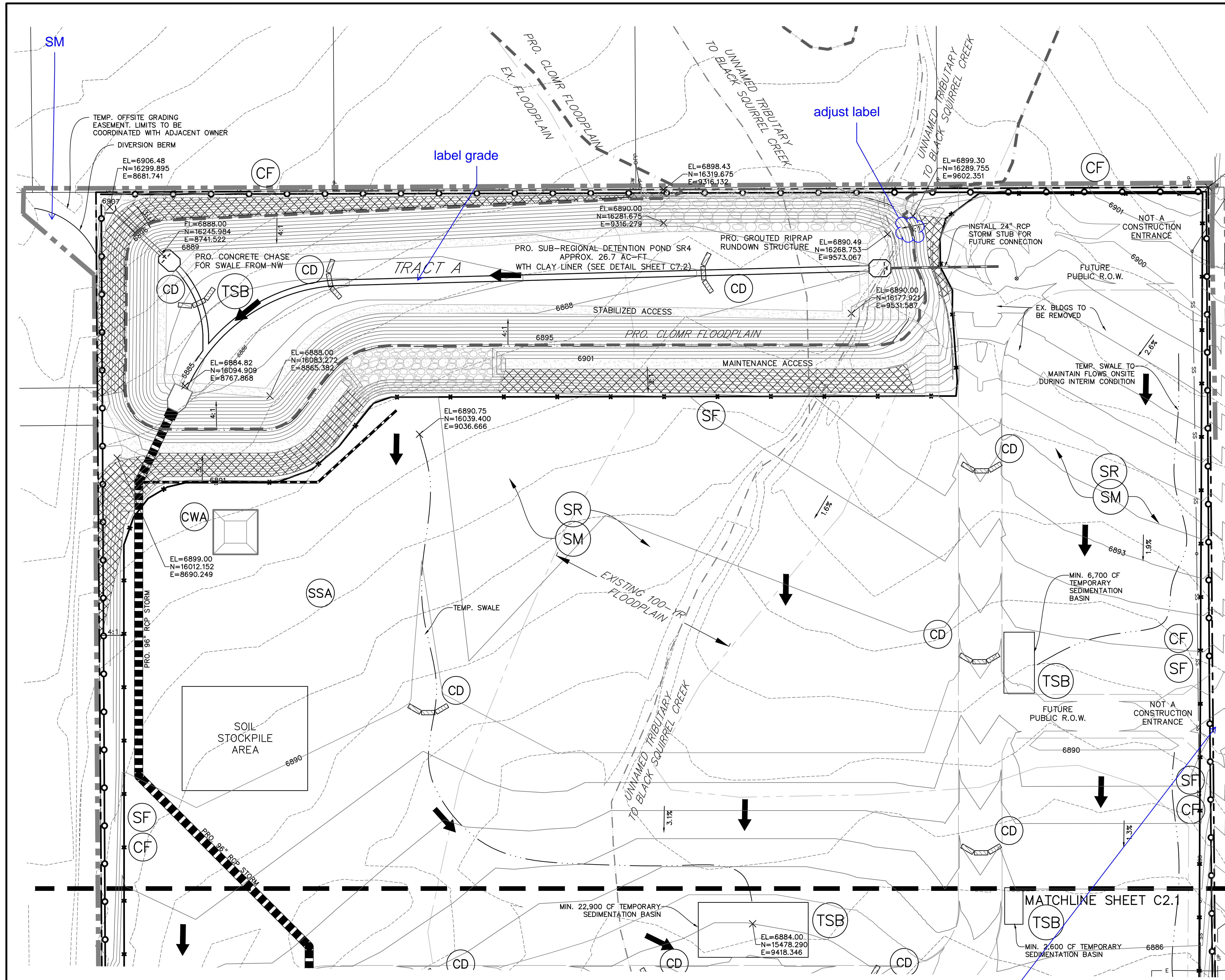
NOTES

PROJECT NO. 20988-00CSV  
 DRAWING NO.

**C1.1**

SHEET: 2 OF 26





**EASTONVILLE ROAD**  
(80' PUBLIC R.O.W.)

**LEGEND**

PROPERTY LINE	---
PROPOSED INTERMEDIATE CONTOUR	---
PROPOSED INDEX CONTOUR	---
EX. INTERMEDIATE CONTOUR	---
EX. INDEX CONTOUR	---
LIMITS OF DISTURBANCE/CONSTRUCTION	---
PROPOSED STORM SEWER	---
PROPOSED STORM INLET	■
EX. OVERHEAD ELECTRIC	—○—
EX. SANITARY SEWER	—S—
EX. PETROLEUM	—P—
EX. GAS	—G—
EX. RAW WATER	—R—
EX. WATER	—W—
EX. STORM SEWER	—ST—
TEMPORARY SWALE	---
DIRECTION OF FLOW	→
SILT FENCE	SF
SEE DETAIL 3/C4.2	
CONSTRUCTION FENCE	CF
VEHICLE TRACKING CONTROL	VTC
SEE DETAIL 5/C4.2	
EROSION CONTROL BLANKET	ECB
(FOR AREAS WITH SLOPE > 3:1)	
STRAW BALE CHECK DAM	CD
CONCRETE WASHOUT AREA	CWA
SURFACE ROUGHENING	SR
TEMPORARY SEEDING & MULCHING	SM
STABILIZED STAGING AREA	SSA
TEMPORARY SEDIMENT BASIN	TSB

- NOTE**
1. GRADING IS NOT PERMITTED WITHIN THE COUNTY RIGHT-OF-WAY DURING THE INTERIM CONDITION, EXCEPT FOR THE OPEN CHANNEL ALONG E. WOODMEN RD.
  2. EXISTING SITE IS 90% VEGETATED WITH NATURAL NATIVE GRASSES.
  3. NO RETAINING WALLS ARE PROPOSED AT THE INTERIM CONDITION.

PREPARED BY:  
  
**DREXEL, BARRELL & CO.**  
 Engineers • Surveyors  
 3 SOUTH 7TH STREET  
 COLORADO SPRINGS, COLORADO 80905  
 CONTACT: TIM D. McCONNELL, P.E.  
 (719)260-0887  
 BOULDER • COLORADO SPRINGS

CLIENT:  
**HUMMEL INVESTMENTS, LLC**  
 8117 PRESTON ROAD, SUITE 120  
 DALLAS, TEXAS 75225  
 (214) 416-9820

OVERLOT GRADING, POND SR4 & UTILITY  
 CONSTRUCTION DRAWINGS FOR  
**FALCON MARKETPLACE**  
 FALCON, COLORADO

ISSUE	DATE
1ST SUBMITTAL	6-20-17
RESUBMITTAL	8-13-18
DESIGNED BY:	TDM
DRAWN BY:	KGV
CHECKED BY:	TDM
FILE NAME:	

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.  
**DRAWING SCALE:**  
 HORIZONTAL: 1"=60'  
 VERTICAL: N/A

**INTERIM GRADING & EROSION CONTROL PLAN**  
 PROJECT NO. 20988-00CSCV  
 DRAWING NO.

**C2.0**  
 SHEET: 3 OF 26

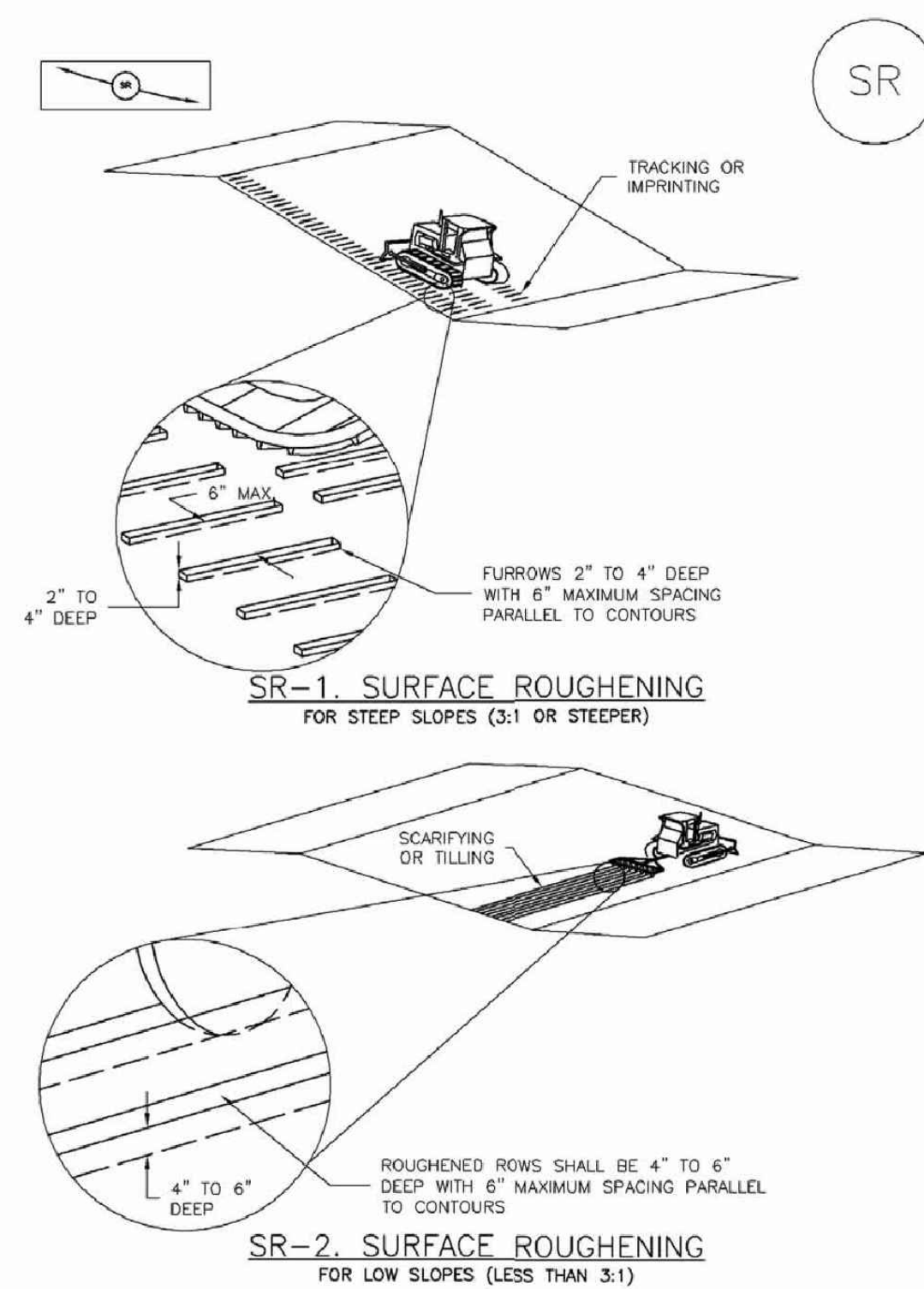






### Surface Roughening (SR)

EC-1



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

### EC-2 Temporary and Permanent Seeding (TS/PS)

Table TS/PS-3. Seeding Dates for Annual and Perennial Grasses

Seeding Dates	Annual Grasses (Numbers in table reference species in Table TS/PS-1)		Perennial Grasses	
	Warm	Cool	Warm	Cool
January 1-March 15			✓	✓
March 16-April 30	4	1,2,3	✓	✓
May 1-May 15	4		✓	
May 16-June 30	4,5,6,7			
July 1-July 15	5,6,7			
July 16-August 31				
September 1-September 30		8,9,10,11		
October 1-December 31			✓	✓

#### Mulch

Cover seeded areas with mulch or an appropriate rolled erosion control product to promote establishment of vegetation. Anchor mulch by crimping, netting or use of a non-toxic tackifier. See the Mulching BMP Fact Sheet for additional guidance.

#### Maintenance and Removal

Monitor and observe seeded areas to identify areas of poor growth or areas that fail to germinate. Reseed and mulch these areas, as needed.

An area that has been permanently seeded should have a good stand of vegetation within one growing season if irrigated and within three growing seasons without irrigation in Colorado. Reseed portions of the site that fail to germinate or remain bare after the first growing season.

Seeded areas may require irrigation, particularly during extended dry periods. Targeted weed control may also be necessary.

Protect seeded areas from construction equipment and vehicle access.

TS/PS-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

### Temporary and Permanent Seeding (TS/PS) EC-2

Seeding dates for the highest success probability of perennial species along the Front Range are generally in the spring from April through early May and in the fall after the first of September until the ground freezes. If the area is irrigated, seeding may occur in summer months, as well. See Table TS/PS-3 for appropriate seeding dates.

Table TS/PS-1. Minimum Drill Seeding Rates for Various Temporary Annual Grasses

Species* (Common name)	Growth Season*	Pounds of Pure Live Seed (PLS)/acre*	Planting Depth (inches)
1. Oats	Cool	35 - 50	1 - 2
2. Spring wheat	Cool	25 - 35	1 - 2
3. Spring barley	Cool	25 - 35	1 - 2
4. Annual ryegrass	Cool	10 - 15	1/2
5. Millet	Warm	3 - 15	1/2 - 3/4
6. Sudangrass	Warm	5 - 10	1/2 - 3/4
7. Sorghum	Warm	5 - 10	1/2 - 3/4
8. Winter wheat	Cool	20 - 35	1 - 2
9. Winter barley	Cool	20 - 35	1 - 2
10. Winter rye	Cool	20 - 35	1 - 2
11. Triticale	Cool	25 - 40	1 - 2

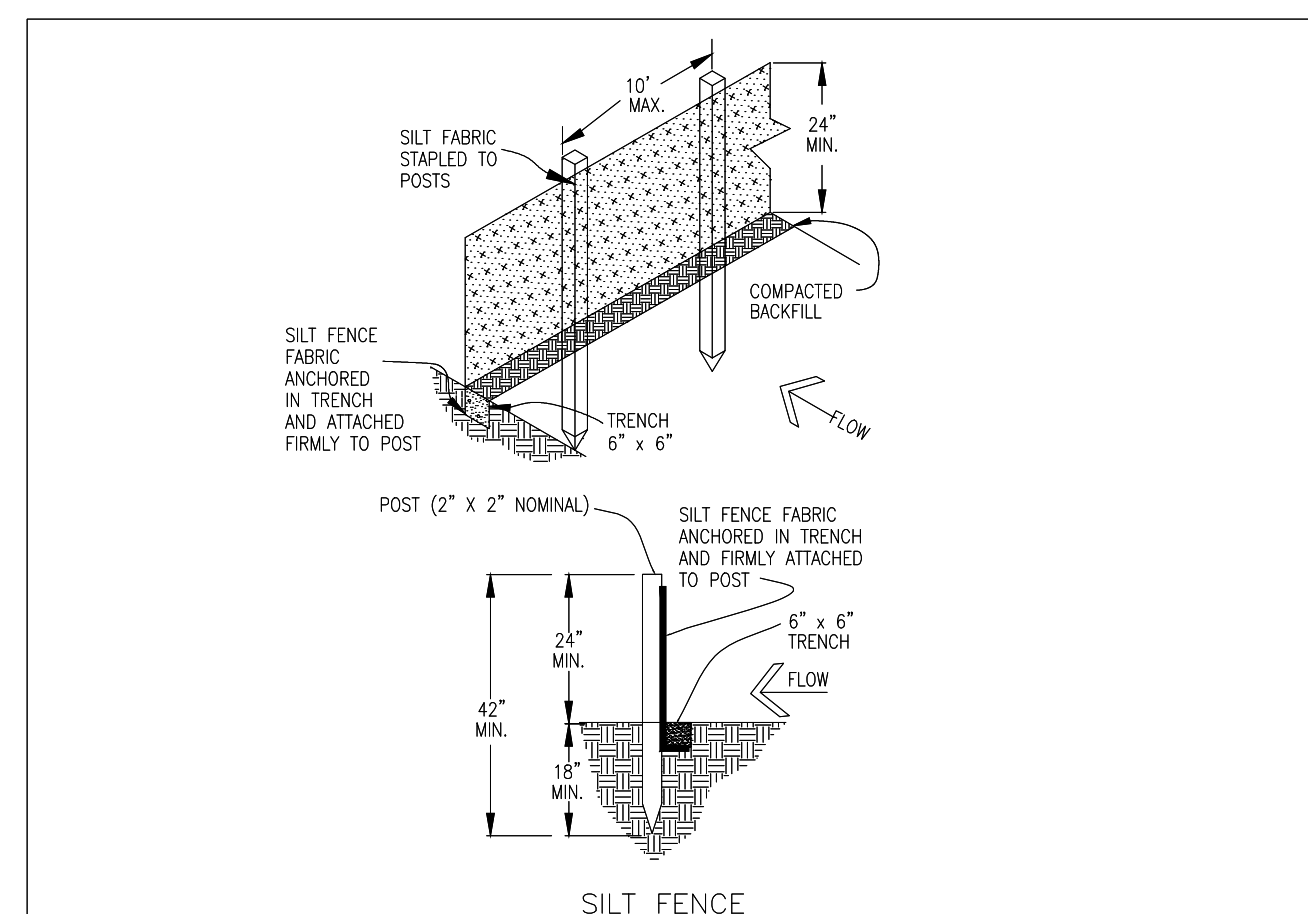
\* Successful seeding of annual grass resulting in adequate plant growth will usually produce enough dead-plant residue to provide protection from wind and water erosion for an additional year. This assumes that the cover is not disturbed or mowed closer than 8 inches.

Hydraulic seeding may be substituted for drilling only where slopes are steeper than 3:1 or where access limitations exist. When hydraulic seeding is used, hydraulic mulching should be applied as a separate operation, when practical, to prevent the seeds from being encapsulated in the mulch.

† See Table TS/PS-3 for seeding dates. Irrigation, if consistently applied, may extend the use of cool season species during the summer months.

‡ Seeding rates should be doubled if seed is broadcast, or increased by 50 percent if done using a Brillion Drill or by hydraulic seeding.

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 TS/PS-3



#### SILT FENCE NOTES

##### INSTALLATION REQUIREMENTS

- SILT FENCES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- WHEN JOINTS ARE NECESSARY, SILT FENCE GEOTEXTILE SHALL BE SPICED TOGETHER ONLY AT SUPPORT POST AND SECURELY SEALED.
- METAL POSTS SHALL BE "STUDDED TEE" OR "U" TYPE WITH MINIMUM WEIGHT OF 1.33 POUNDS PER LINEAR FOOT. WOOD POSTS SHALL HAVE A MINIMUM DIAMETER OR CROSS SECTION DIMENSION OF 2 INCHES.
- THE FILTER MATERIAL SHALL BE FASTENED SECURELY TO METAL OR WOOD POSTS USING WIRE TIES, OR TO WOOD POSTS WITH 3/4" LONG #8 HEAVY-DUTY STAPLES. THE SILT FENCE GEOTEXTILE SHALL NOT BE STAPLED TO EXISTING TREES.
- WHILE NOT REQUIRED, WIRE MESH FENCE MAY BE USED TO SUPPORT THE GEOTEXTILE. WIRE FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 3/4" LONG. THE WIRES OR HOE RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 6" AND SHALL NOT EXTEND MORE THAN 3" ABOVE THE ORIGINAL GROUND SURFACE.
- ALONG THE TOE OF FILLS, INSTALL THE SILT FENCE ALONG A LEVEL CONTOUR AND PROVIDE AN AREA BEHIND THE FENCE FOR RUNOFF TO POND AND SEDIMENT TO SETTLE. A MINIMUM DISTANCE OF 5 FEET FROM THE TOE OF THE FILL IS RECOMMENDED.
- THE HEIGHT OF THE SILT FENCE FROM THE GROUND SURFACE SHALL BE MINIMUM OF 24 INCHES AND SHALL NOT EXCEED 36 INCHES; HIGHER FENCES MAY INPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.

##### MAINTENANCE REQUIREMENTS

- CONTRACTOR SHALL INSPECT SILT FENCES IMMEDIATELY AFTER EACH RAINFALL. AT LEAST DAILY DURING PROLONGED RAINFALL, AND WEEKLY DURING PERIODS OF NO RAINFALL. DAMAGED, COLLAPSED, UNTRENCHED OR INEFFECTIVE SILT FENCES SHALL BE PROMPTLY REPAIRED OR REPLACED.
- SEDIMENT SHALL BE REMOVED FROM BEHIND SILT FENCE WHEN IT ACCUMULATES TO HALF THE EXPOSED GEOTEXTILE HEIGHT.
- SILT FENCES SHALL BE REMOVED WHEN ADEQUATE VEGETATIVE COVER IS ATTAINED AS APPROVED BY THE CITY.

City of Colorado Springs Stormwater Quality SF Figure SF-2 Silt Fence Construction Detail and Maintenance Requirements

#### MULCHING NOTES

##### INSTALLATION REQUIREMENTS

- ALL DISTURBED AREAS MUST BE MULCHED WITHIN 21 DAYS AFTER FINAL GRADE AND SEEDING AREAS ARE TO BE MULCHED WITHIN 24 HOURS AFTER SEEDING.
- MATERIAL USED FOR MULCH CAN BE CERTIFIED CLEAN WEED- AND SEED-FREE LONG STEMMED FIELD OR MARSH HAY, OR STRAW OF OATS, BARLEY, WHEAT, RYE, OR TRITICALE CERTIFIED BY THE COLORADO DEPARTMENT OF AGRICULTURE WEED FREE FORAGE CERTIFICATION PROGRAM.
- HYDRAULIC MULCHING MATERIAL SHALL CONSIST OF VIRGIN WOOD FIBER MANUFACTURED FROM CLEAN WHOLE WOOD CHIPS. WOOD CHIPS CANNOT CONTAIN ANY GROWTH OR GERMINATION INHIBITORS OR BE PRODUCED FROM RECYCLED MATERIAL. GRAVEL CAN ALSO BE USED.
- MULCH IS TO BE APPLIED EVENLY AT A RATE OF 2 TONS PER ACRE.
- MULCH IS TO BE ANCHORED EITHER BY CRIMPING (TUCKING MULCH FIBERS 4 INCHES INTO THE SOIL), USING NETTING (USED ON SMALL AREAS WITH STEEP SLOPES), OR WITH A TACKIFIER.
- HYDRAULIC MULCHING AND TACKIFIERS ARE NOT TO BE USED IN THE PRESENCE OF FREE SURFACE WATER.

##### MAINTENANCE REQUIREMENTS

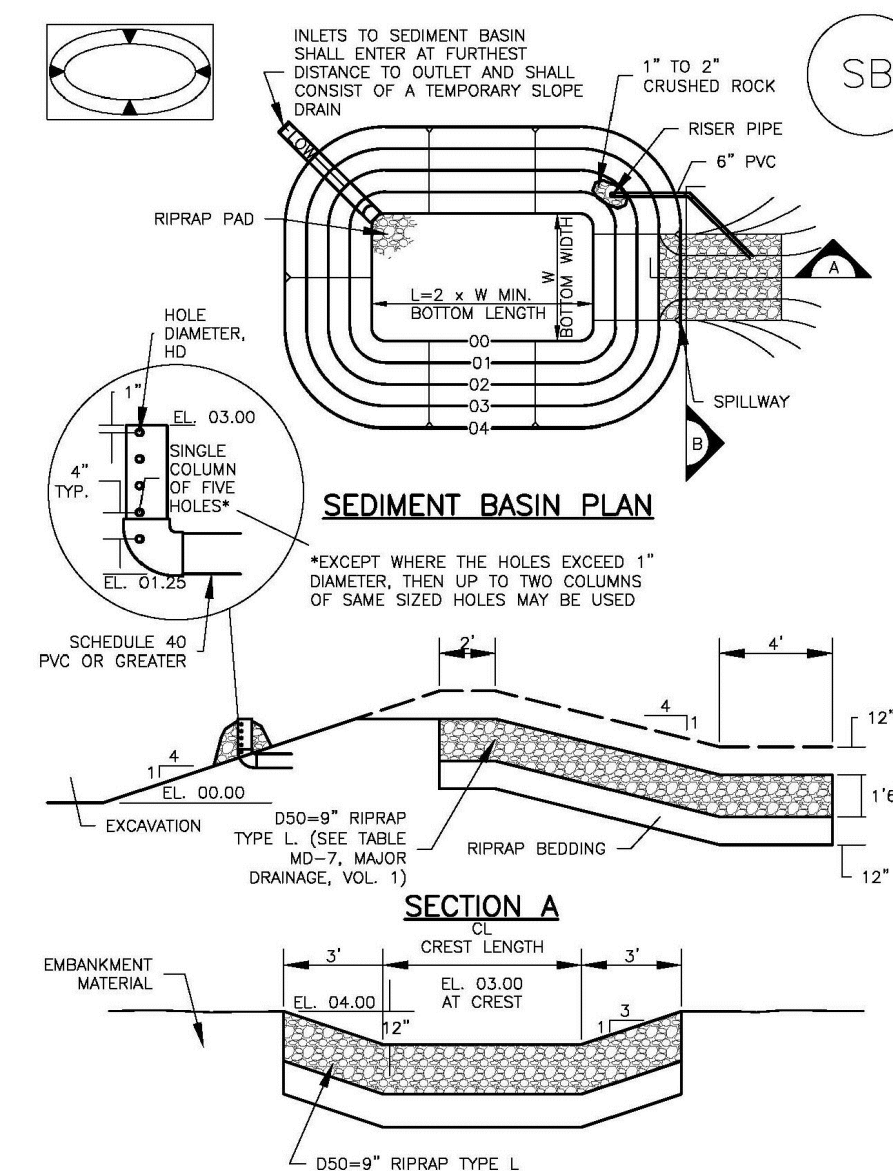
- REGULAR INSPECTIONS ARE TO BE MADE OF ALL MULCHED AREAS.
- MULCH IS TO BE REPLACED IMMEDIATELY IN THOSE AREAS IT HAS BEEN REMOVED, AND IF NECESSARY THE AREA SHOULD BE RESEDED.

City of Colorado Springs Stormwater Quality SM

Figure MU-1 Mulching Construction Detail and Maintenance Requirements

3-30

### Sediment Basin (SB) SC-7



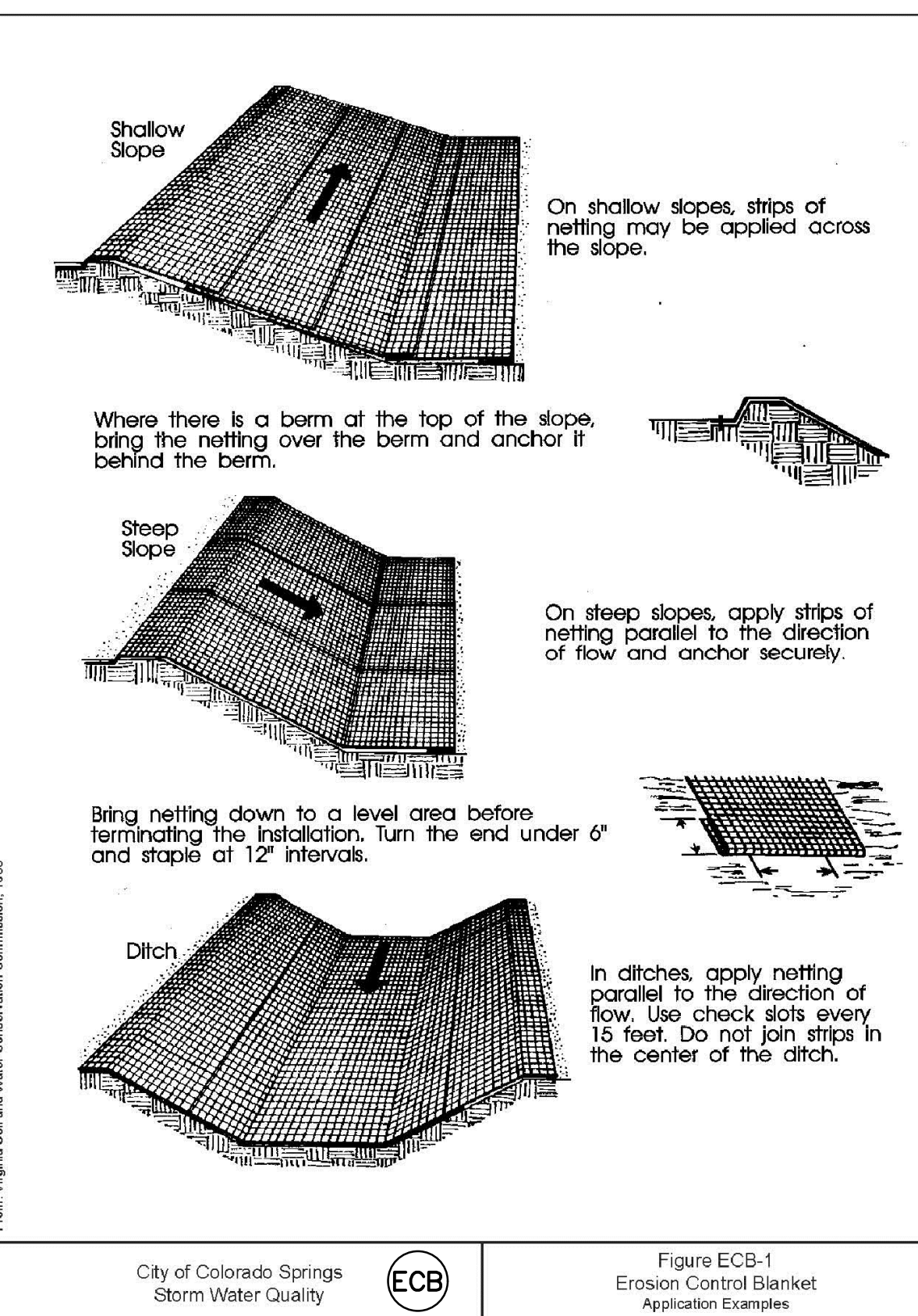
August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SB-5

#### RECOMMENDED PERMANENT SEEDING MIX.

APPLY AT 25 POUNDS OF PURE LIVE SEED (PLS) PER ACRE AND A PLANTING DEPTH OF 1 TO 2 INCHES.

##### SHARP'S 2011 DRYLAND PASTURE MIX

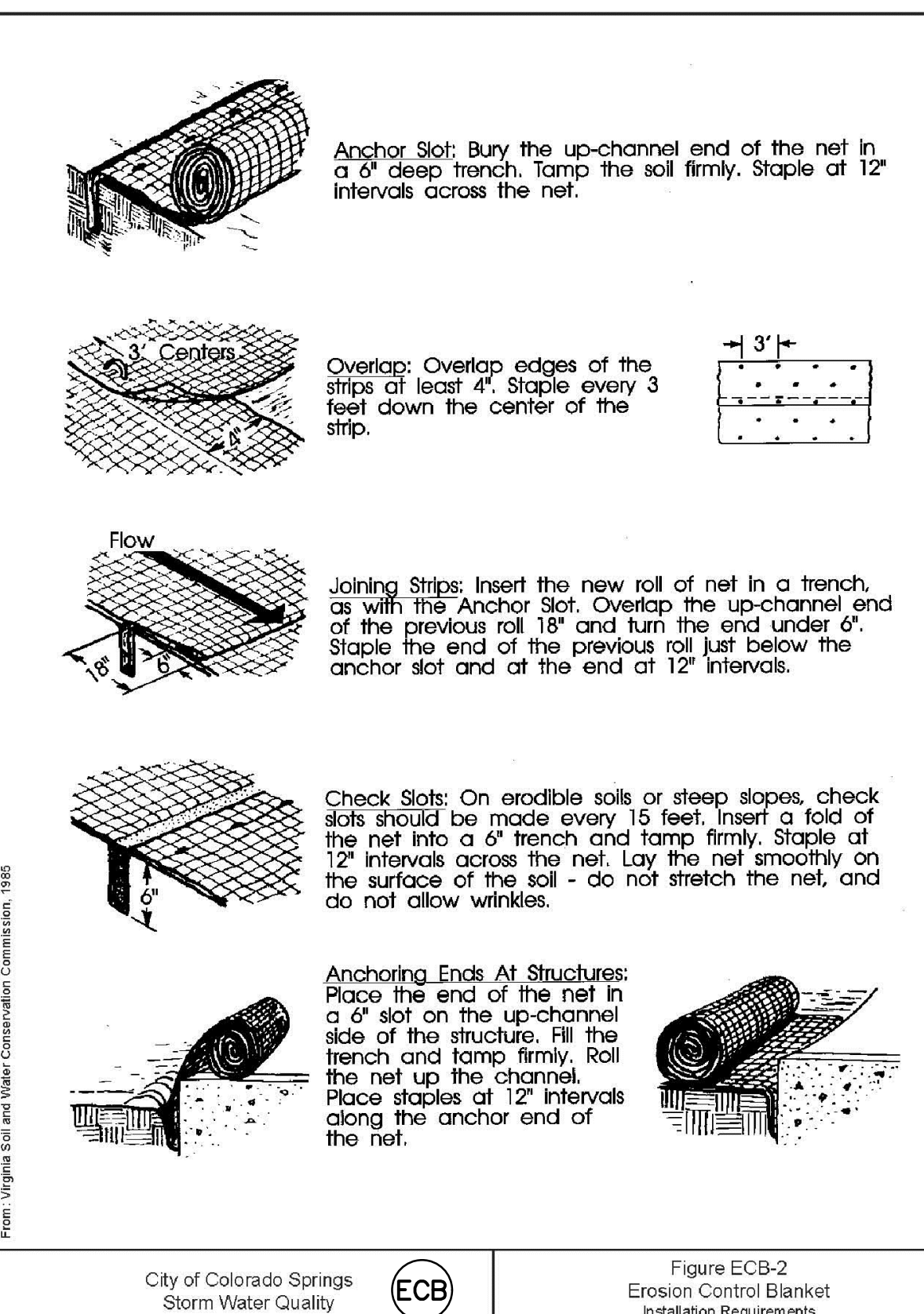
SPECIES - VARIETY	LOT #	% OF MIX	PURITY %	GERM %	ORGN
PUBESCENT WHEATGRASS, LUNA	BG3266-9	25.00%	94.81%	91.00%	WY
INTERMEDIATE WHEATGRASS, RUSH	BG3237-8	20.00%	98.97%	95.00%	WY
SMOOTH BROME, LINCOLN	YYY-3058	20.00%	94.72%	85.00%	KS
TETRAPLOID PER RYE, FULL THROTTLE	L145-8-P23	15.00%	96.77%	90.00%	OR
ORCHARDGRASS, PROFILE	B1-9-54	15.00%	94.42%	96.00%	OR
BLUEBUNCH WHEATGRASS, SECAR	BG3248-9	5.00%	98.79%	91.00%	WY
		100.00%			



City of Colorado Springs Storm Water Quality ECB

Figure ECB-1 Erosion Control Blanket Application Examples

3-30

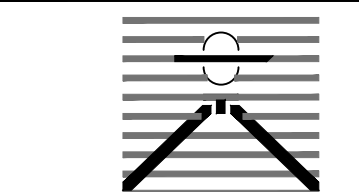


City of Colorado Springs Storm Water Quality ECB

Figure ECB-2 Erosion Control Blanket Installation Requirements

3-30

PREPARED BY:



DREXEL, BARRELL & CO.  
Engineers-Surveyors  
3 SOUTH 7TH STREET  
COLORADO SPGS, COLORADO 80905  
CONTACT: TIM D. MCCONNELL, P.E.  
(719)260-0887  
BOULDER • COLORADO SPRINGS

CLIENT:

HUMMEL INVESTMENTS, LLC

8117 PRESTON ROAD, SUITE 120  
DALLAS, TEXAS 75225

(214) 416-9820

OVERLOT GRADING, POND SR4 & UTILITY CONSTRUCTION DRAWINGS FOR

FALCON MARKETPLACE  
FALCON, COLORADO

ISSUE	DATE
1ST SUBMITTAL	6-20-17
RESUBMITTAL	8-13-18

DESIGNED BY: TDM  
DRAWN BY: KGV  
CHECKED BY: TDM  
FILE NAME:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

DRAWING SCALE:  
HORIZONTAL: N/A  
VERTICAL: N/A

EROSION CONTROL DETAILS

PROJECT NO. 20988-00CSCV  
DRAWING NO.

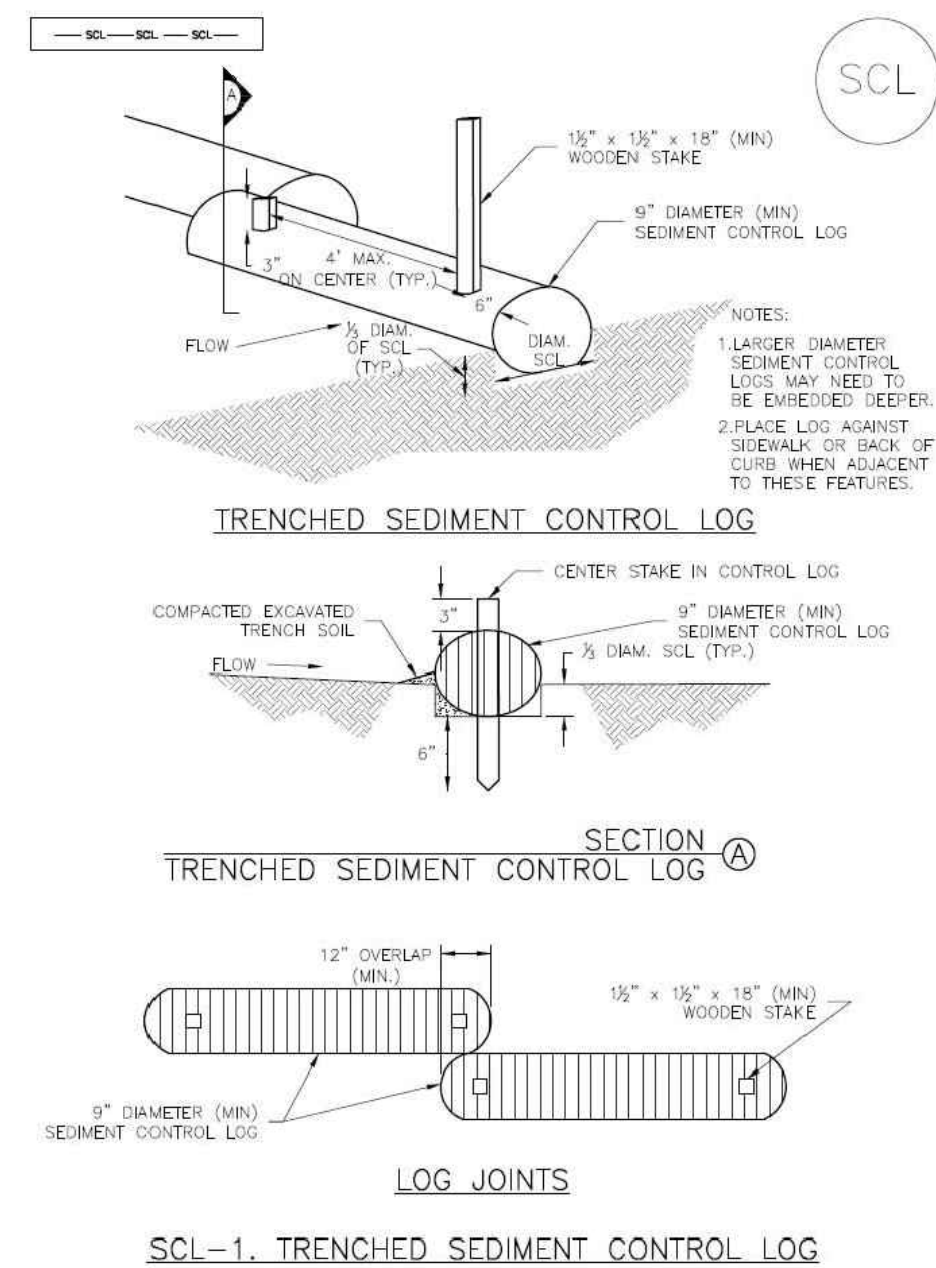
C2.2

SHEET: 5 OF 26

EL PASO COUNTY FILE NO: SP-17-001  
CDR-16-007



**Sediment Control Log (SCL) SC-2**

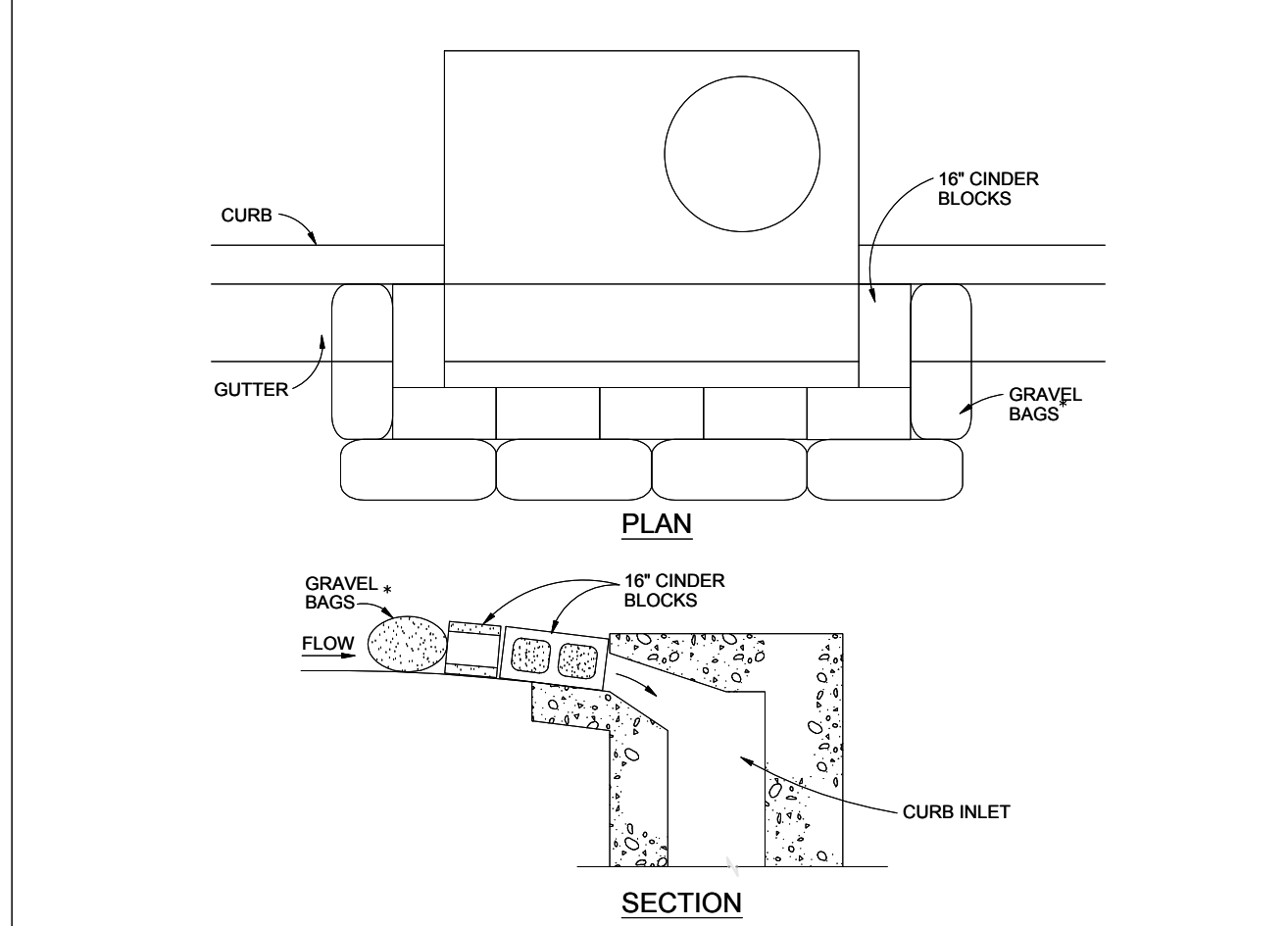


November 2015 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SCL-3

City of Colorado Springs Stormwater Quality Figure VT-1 Vehicle Tracking Application Examples

Table VT-1

	Case 1	Case 2
Gravel Thickness	9"	3"
Filter Fabric	YES	NO



**BLOCK AND GRAVEL BAG CURB INLET PROTECTION NOTES**

**INSTALLATION REQUIREMENTS**

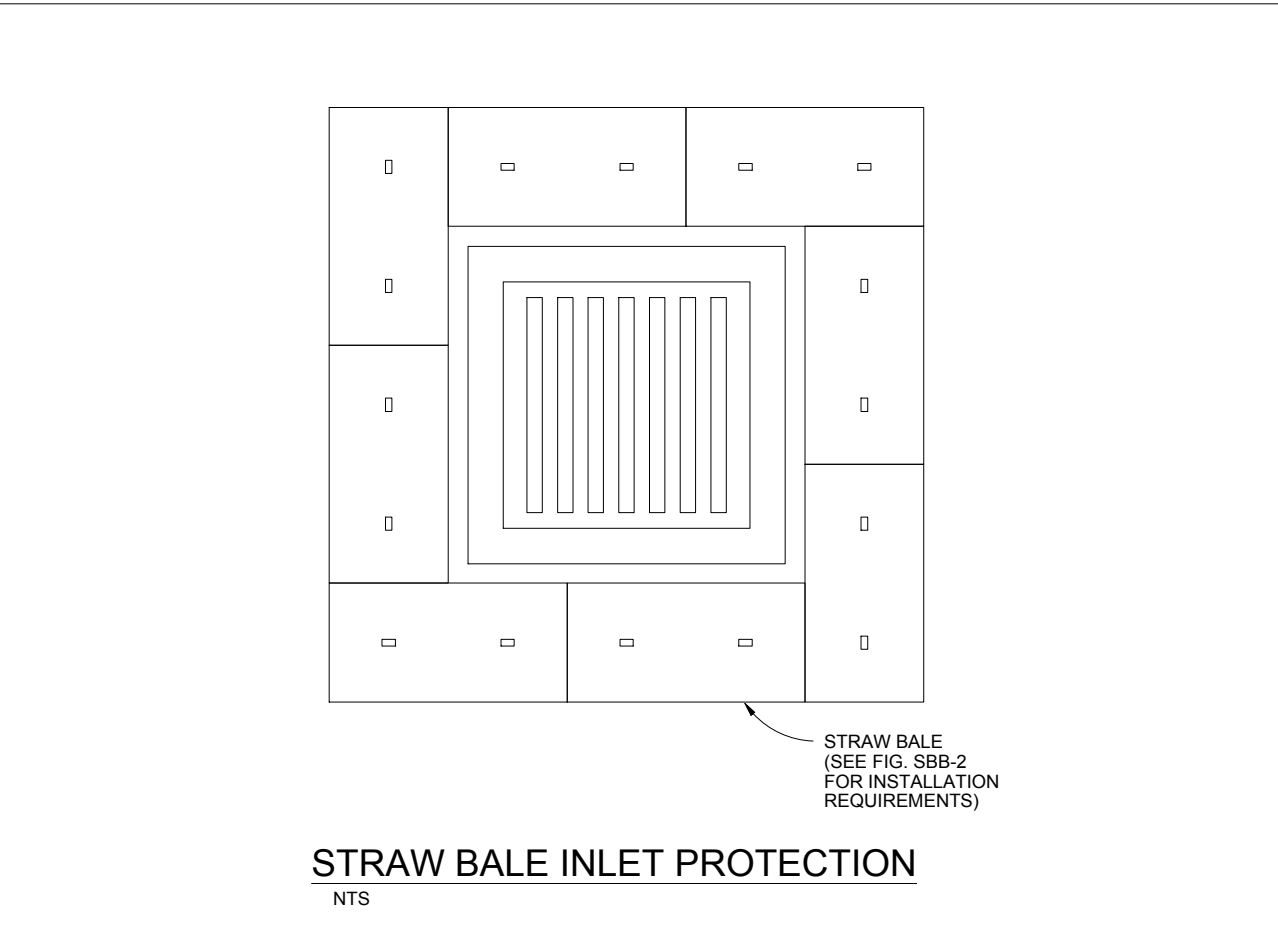
1. INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY AFTER CONSTRUCTION OF INLET.
2. CONCRETE BLOCKS ARE TO BE LAID AROUND THE INLET IN A SINGLE ROW ON THEIR SIDES, ABUTTING ONE ANOTHER WITH THE OPEN ENDS OF THE BLOCK FACING OUTWARD.
3. GRAVEL BAGS ARE TO BE PLACED AROUND THE CONCRETE BLOCKS CLOSELY ABUTTING ONE ANOTHER SO THERE ARE NO GAPS.
4. GRAVEL BAGS ARE TO CONTAIN WASHED SAND OR GRAVEL APPROXIMATELY 3/4 INCH IN DIAMETER.
5. BAGS ARE TO BE MADE OF 1/4" INCH WIRE MESH (USED WITH GRAVEL ONLY) OR GEOTEXTILE.

**MAINTENANCE REQUIREMENTS**

1. CONTRACTOR SHALL INSPECT INLET PROTECTION IMMEDIATELY AFTER EACH RAINFALL, AT LEAST DAILY DURING PROLONGED RAINFALL, AND WEEKLY DURING PERIODS NO RAINFALL.
2. DAMAGED OR INEFFECTIVE INLET PROTECTION SHALL PROMPTLY BE REPAIRED OR REPLACED.
3. SEDIMENT SHALL BE REMOVED WHEN SEDIMENT HAS ACCUMULATED TO APPROXIMATELY 1/2 THE DESIGN DEPTH OF THE TRAP.
4. INLET PROTECTION SHALL BE REMOVED WHEN ADEQUATE VEGETATIVE COVER IS ATTAINED WITHIN THE DRAINAGE AREA AS APPROVED BY THE CITY.

\* AN ALTERNATE 3/4" TO 1" GRAVEL FILTER OVER A WIRE SCREEN MAY BE USED IN PLACE OF GRAVEL BAGS. THE WIRE MESH SHALL EXTEND ABOVE THE TOP OF THE CONCRETE BLOCKS AND THE GRAVEL PLACED OVER THE WIRE SCREEN TO THE TOP OF THE CONCRETE BLOCKS.

City of Colorado Springs Stormwater Quality **IP** Figure IP-3 Block & Gravel Bag Curb Inlet Protection Construction Detail and Maintenance Requirements 3-27



**STRAW BALE INLET PROTECTION NOTES**

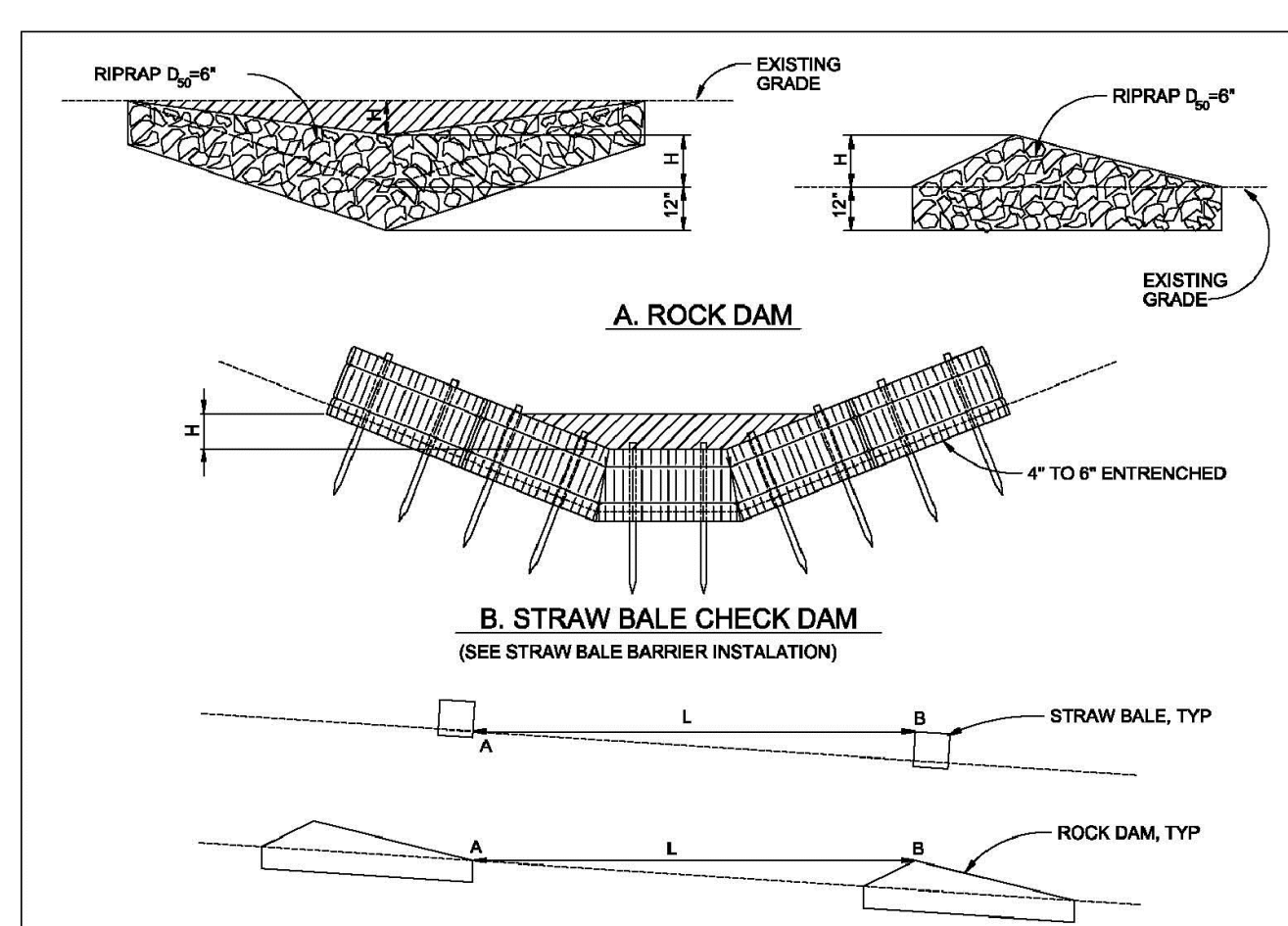
**INSTALLATION REQUIREMENTS**

1. INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY AFTER CONSTRUCTION OF INLET.
2. BALES ARE TO BE PLACED IN A SINGLE ROW AROUND THE INLET WITH THE END OF THE BALES TIGHTLY ABUTTING ONE ANOTHER.
3. SEE STRAW BALE BARRIER FIGURE SBB-2 FOR INSTALLATION REQUIREMENTS.

**MAINTENANCE REQUIREMENTS**

1. CONTRACTOR SHALL INSPECT STRAW BALE INLET PROTECTION IMMEDIATELY AFTER EACH RAINFALL, AT LEAST DAILY DURING PROLONGED RAINFALL, AND WEEKLY DURING PERIODS NO RAINFALL.
2. DAMAGED OR INEFFECTIVE INLET PROTECTION SHALL PROMPTLY BE REPAIRED, REPLACING BALES IF NECESSARY, AND UNTRENCHED BALES NEED TO BE REPAIRED WITH COMPACTED BACKFILL MATERIAL.
3. SEDIMENT SHALL BE REMOVED FROM BEHIND STRAW BALES WHEN IT ACCUMULATES TO APPROXIMATELY 1/3 THE HEIGHT OF THE BARRIER.
4. INLET PROTECTION SHALL BE REMOVED WHEN ADEQUATE VEGETATIVE COVER IS ATTAINED WITHIN THE DRAINAGE AREA AS APPROVED BY THE CITY.

City of Colorado Springs Stormwater Quality **IP** Figure IP-2 Straw Bale Inlet Protection Construction Detail and Maintenance Requirements 3-26



**INSTALLATION REQUIREMENTS**

1. STRAW BALES USED AS CHECK DAMS ARE TO MEET THE REQUIREMENTS STATED IN FIGURE SBB-2.
2. THE 1/2" DIMENSION SHALL BE SELECTED TO PROVIDE WEIR FLOW CONVEYANCE FOR 2-YEAR FLOW OR GREATER.

**MAINTENANCE REQUIREMENTS**

1. REGULAR INSPECTIONS ARE TO BE MADE OF ALL CHECK DAMS, ESPECIALLY AFTER STORM EVENTS.
2. REPLACE STONE AS NECESSARY TO MAINTAIN THE CORRECT HEIGHT OF THE DAM.
3. ACCUMULATED SEDIMENT AND DEBRIS IS TO BE REMOVED FROM BEHIND THE DAMS AFTER EACH STORM OR WHEN 1/2 OF THE ORIGINAL HEIGHT OF THE DAM IS REACHED.
4. WHEN CHECK DAMS ARE REMOVED THE CHANNEL LINING OR VEGETATION IS TO BE RESTORED.

City of Colorado Springs Stormwater Quality **CD-1** Check Dam Construction Detail and Maintenance Requirements 3-20

PREPARED BY:  
**DREXEL, BARRELL & CO.**  
Engineers-Surveyors  
3 SOUTH 7TH STREET  
COLORADO SPGS, COLORADO 80905  
CONTACT: TIM D. MCCONNELL, P.E.  
(719)260-0887  
BOULDER • COLORADO SPRINGS

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**HUMMEL INVESTMENTS, LLC**  
8117 PRESTON ROAD, SUITE 120  
DALLAS, TEXAS 75225  
(214) 416-9820

OVERLOT GRADING, POND SR4 & UTILITY CONSTRUCTION DRAWINGS FOR  
**FALCON MARKETPLACE**  
FALCON, COLORADO

ISSUE	DATE
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PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

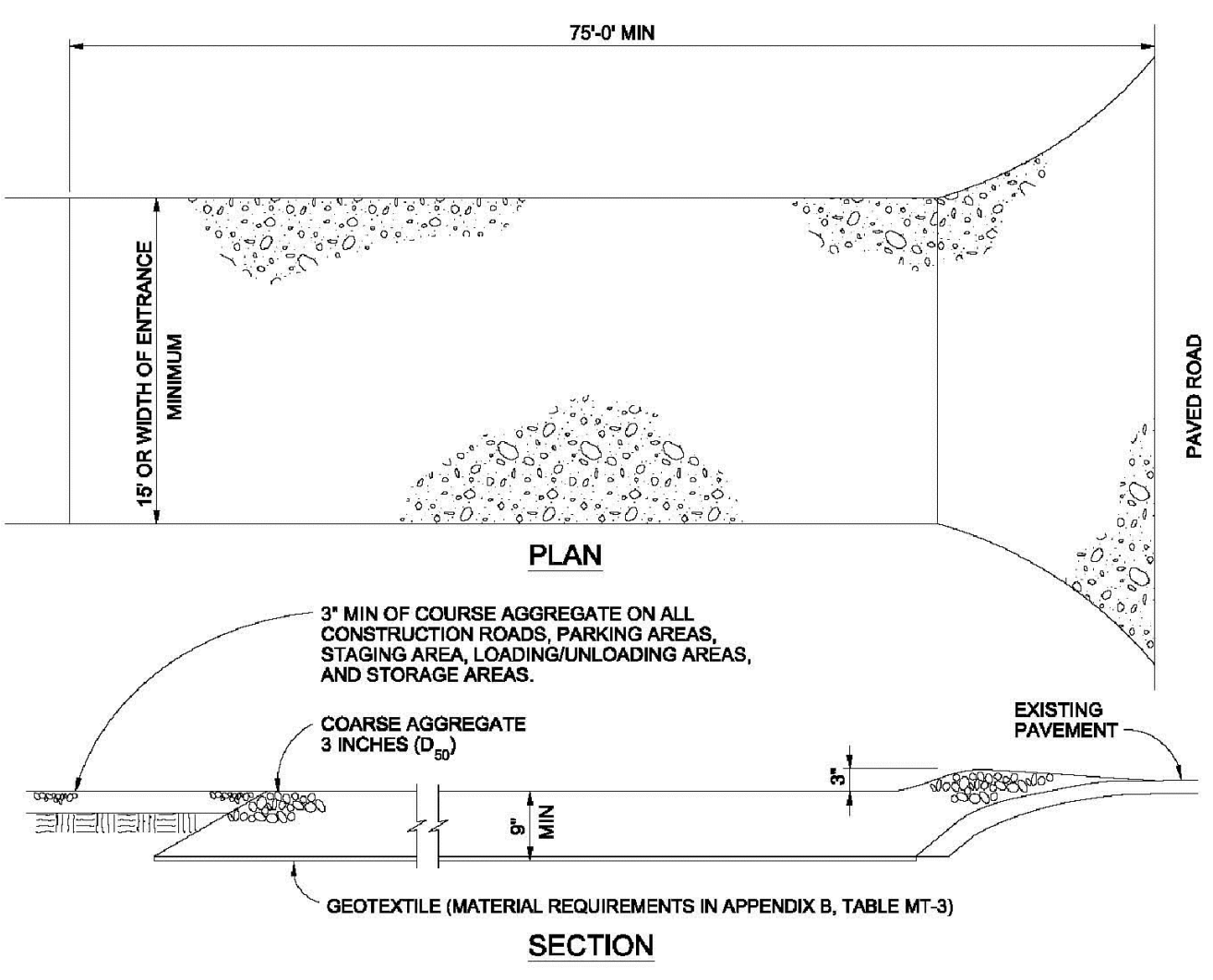
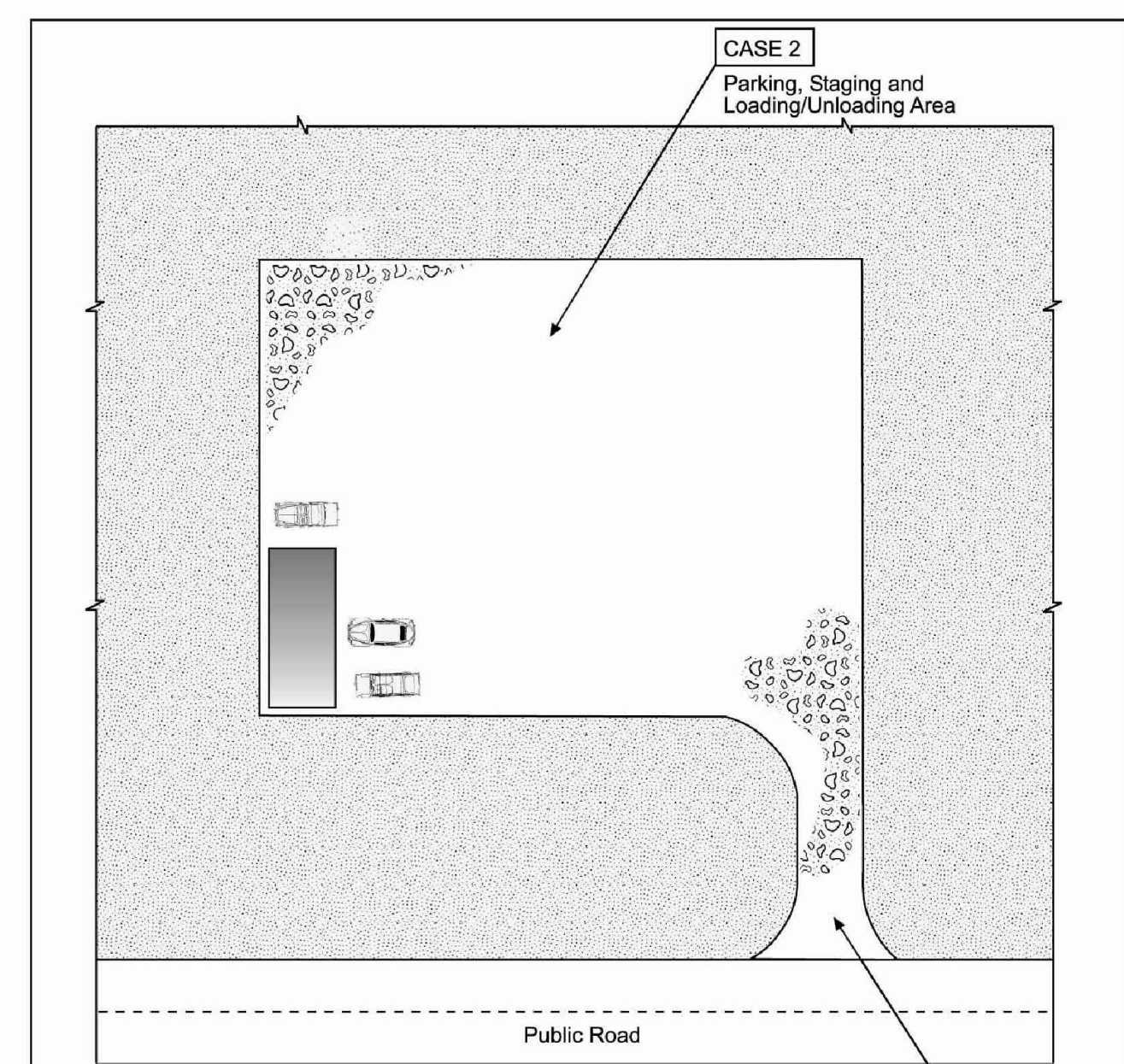
DRAWING SCALE:  
HORIZONTAL: N/A  
VERTICAL: N/A

**EROSION CONTROL DETAILS**

PROJECT NO. 20988-00CSCV  
DRAWING NO.

**C2.3**

SHEET: 6 OF 26



**VEHICLE TRACKING NOTES**

**INSTALLATION REQUIREMENTS**

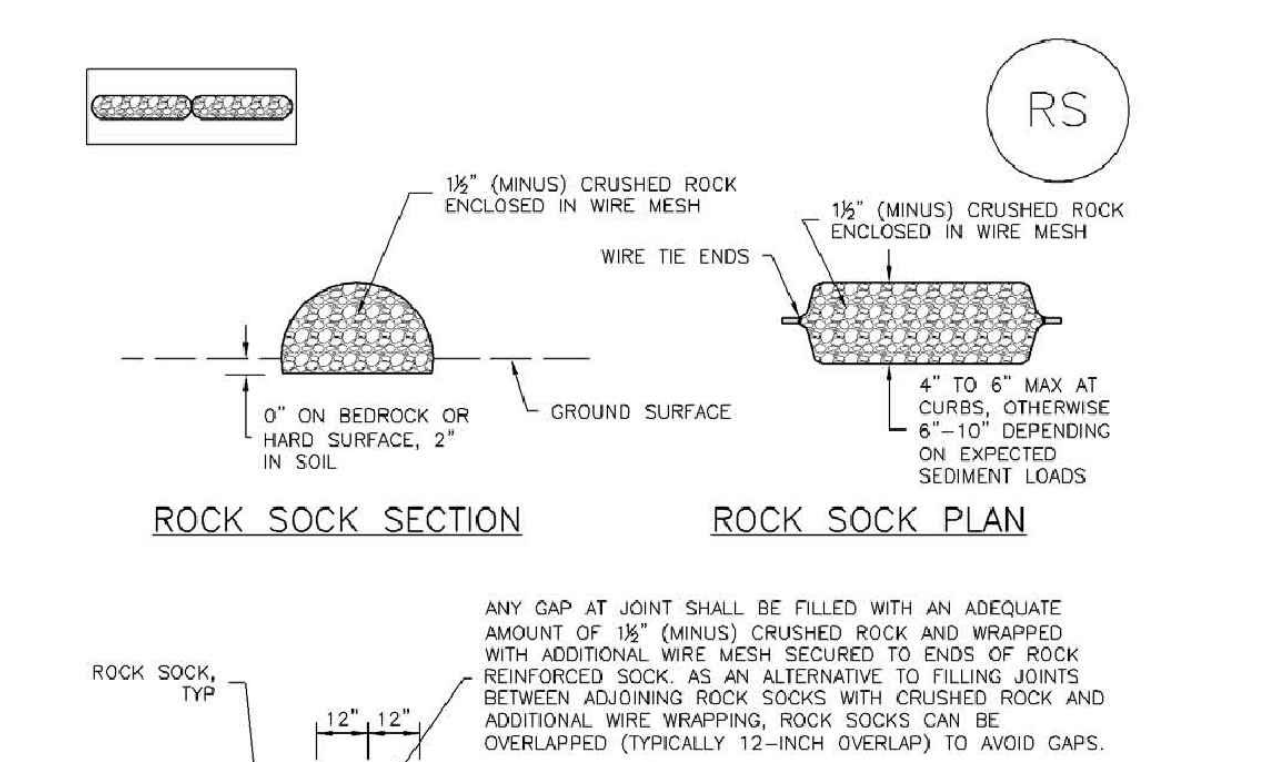
1. ALL ENTRANCES TO THE CONSTRUCTION SITE ARE TO BE STABILIZED PRIOR TO CONSTRUCTION BEGINNING.
2. CONSTRUCTION ENTRANCES ARE TO BE BUILT WITH AN APRON TO ALLOW FOR TURNING TRAFFIC, BUT SHOULD NOT BE BUILT OVER EXISTING PAVEMENT EXCEPT FOR A SLIGHT OVERLAP.
3. AREAS TO BE STABILIZED ARE TO BE PROPERLY GRADED AND COMPACTED PRIOR TO LAYING DOWN GEOTEXTILE AND STONE.
4. CONSTRUCTION ROADS, PARKING AREAS, LOADING/UNLOADING ZONES, STORAGE AREAS, AND STAGING AREAS ARE TO BE STABILIZED.
5. CONSTRUCTION ROADS ARE TO BE BUILT TO CONFORM TO SITE GRADES, BUT SHOULD NOT HAVE SIDE SLOPES OR ROAD GRADES THAT ARE EXCESSIVELY STEEP.

**MAINTENANCE REQUIREMENTS**

1. REGULAR INSPECTIONS ARE TO BE MADE OF ALL STABILIZED AREAS, ESPECIALLY AFTER STORM EVENTS.
2. STONES ARE TO BE REPLACED PERIODICALLY AND WHEN REPAIR IS NECESSARY.
3. SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED DAILY BY SHOVELING OR SWEEPING. SEDIMENT IS NOT TO BE WASHED DOWN STORM SEWER DRAINS.
4. STORM SEWER INLET PROTECTION IS TO BE IN PLACE, INSPECTED, AND CLEANED IF NECESSARY.
5. OTHER ASSOCIATED SEDIMENT CONTROL MEASURES ARE TO BE INSPECTED TO ENSURE GOOD WORKING CONDITION.

City of Colorado Springs Stormwater Quality **VT-2** Vehicle Tracking Application Examples **VTC**

**SC-5 Rock Sock (RS)**



**ROCK SOCK MAINTENANCE NOTES**

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED, OR DAMAGED BEYOND REPAIR.
5. SEDIMENT ACCUMULATED UPSTREAM OF ROCK SOCKS SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP. TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENT IS APPROXIMATELY 1/2 OF THE HEIGHT OF THE ROCK SOCK.
6. ROCK SOCKS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
7. WHEN ROCK SOCKS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)

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

NOTE: THE DETAILS INCLUDED WITH THIS FACT SHEET SHOW COMMONLY USED, CONVENTIONAL METHODS OF ROCK SOCK INSTALLATION IN THE DENVER METROPOLITAN AREA. THERE ARE MANY OTHER SIMILAR PROPRIETARY PRODUCTS ON THE MARKET. UDFCD NEITHER ENDORSES NOR DISCOURAGES USE OF PROPRIETARY PROTECTION PRODUCTS. HOWEVER, IN THE EVENT PROPRIETARY METHODS ARE USED, THE APPROPRIATE DETAIL FROM THE MANUFACTURER MUST BE INCLUDED IN THE SWMP AND THE BMP MUST BE INSTALLED AND MAINTAINED AS SHOWN IN THE MANUFACTURER'S DETAILS.

**GRADATION TABLE**

SIEVE SIZE	MASS PERCENT PASSING SQUARE MESH SIEVES
NO. 4	100
1/2"	80 - 100
3/4"	20 - 35
1"	0 - 15
1 1/2"	0 - 5

MAATCHES SPECIFICATIONS FOR NO. 4 COARSE AGGREGATE FOR CONCRETE PER AASHTO M4.3. ALL ROCK SHALL BE FRACTURED FACE, ALL SIDES.

**ROCK SOCK INSTALLATION NOTES**

1. SEE PLAN VIEW FOR: -LOCATION(S) OF ROCK SOCKS.
2. CRUSHED ROCK SHALL BE 1/2" (MINUS) IN SIZE WITH A FRACTURED FACE (ALL SIDES) AND SHALL COMPLY WITH GRADATION SHOWN ON THIS SHEET (1/2" MINUS).
3. WIRE MESH SHALL BE FABRICATED OF 10 GAGE POULTRY MESH, OR EQUIVALENT, WITH A MAXIMUM OPENING OF 3/4". RECOMMENDED MINIMUM ROLL WIDTH OF 48".
4. WIRE MESH SHALL BE SECURED USING "HOG RINGS" OR WIRE TIES AT 6" CENTERS ALONG ALL JOINTS AND AT 2" CENTERS ON ENDS OF SOCKS.
5. SOME MUNICIPALITIES MAY ALLOW THE USE OF FILTER FABRIC AS AN ALTERNATIVE TO WIRE MESH FOR THE ROCK ENCLOSURE.

City of Colorado Springs Stormwater Quality **RS-1** ROCK SOCK PERIMETER CONTROL

**Rock Sock (RS) SC-5**

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



PREPARED BY:  
  
**DREXEL, BARRELL & CO.**  
 Engineers-Surveyors  
 3 SOUTH 7TH STREET  
 COLORADO SPRGS, COLORADO 80905  
 CONTACT: TIM D. McCONNELL, P.E.  
 (719)260-0887  
 BOULDER • COLORADO SPRINGS

CLIENT:  
**HUMMEL INVESTMENTS, LLC**  
 8117 PRESTON ROAD, SUITE 120  
 DALLAS, TEXAS 75225  
 (214) 416-9820

OVERLOT GRADING, POND SR4 & UTILITY  
 CONSTRUCTION DRAWINGS FOR  
**FALCON  
 MARKETPLACE**  
 FALCON, COLORADO

ISSUE	DATE
1ST SUBMITTAL	6-20-17
RESUBMITTAL	8-13-18

DESIGNED BY: TDM  
 DRAWN BY: KGV  
 CHECKED BY: TDM  
 FILE NAME:

PREPARED UNDER MY DIRECT  
 SUPERVISION FOR AND ON BEHALF  
 OF DREXEL, BARRELL & CO.

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 VERTICAL: 1"=5'

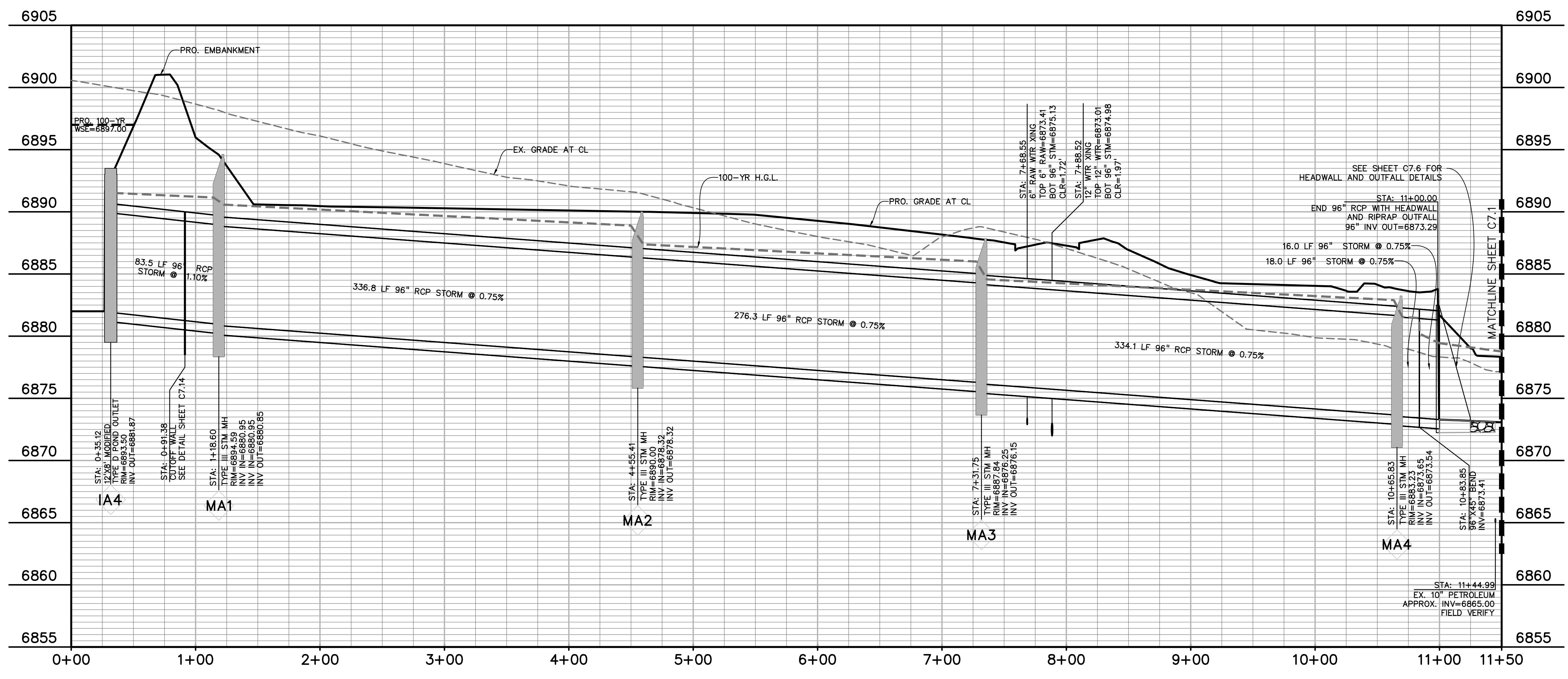
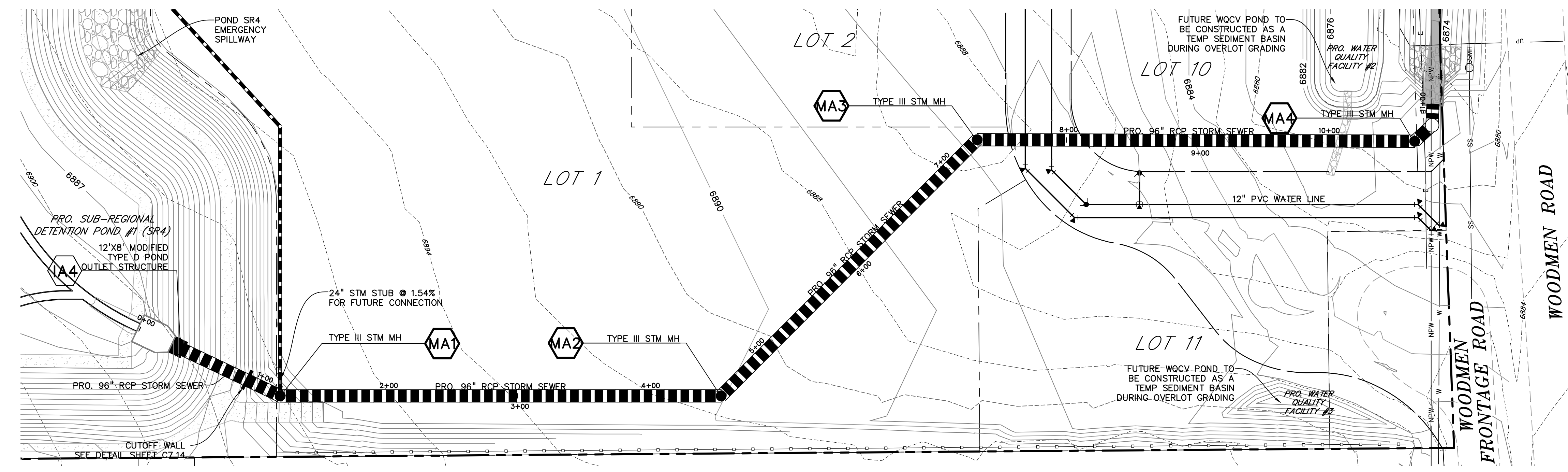
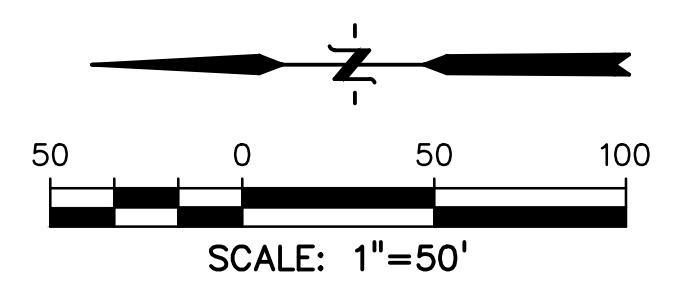
**STORM SEWER  
 PLAN &  
 PROFILE**

PROJECT NO. 20988-00CSCV  
 DRAWING NO.

**C7.0**

**LEGEND**

- PROPERTY LINE .....
- LOT LINE .....
- EASEMENT .....
- CURB & GUTTER .....
- SIDEWALK .....
- PRO. WATER LINE .....
- PRO. FIRE HYDRANT .....
- PRO. RAW WATER .....
- PRO. SANITARY SEWER .....
- PRO. STORM SEWER .....
- EX. OVERHEAD ELECTRIC .....
- EX. SANITARY SEWER .....
- EX. PETROLEUM .....
- EX. GAS .....
- EX. RAW WATER .....
- EX. WATER .....
- EX. STORM SEWER .....

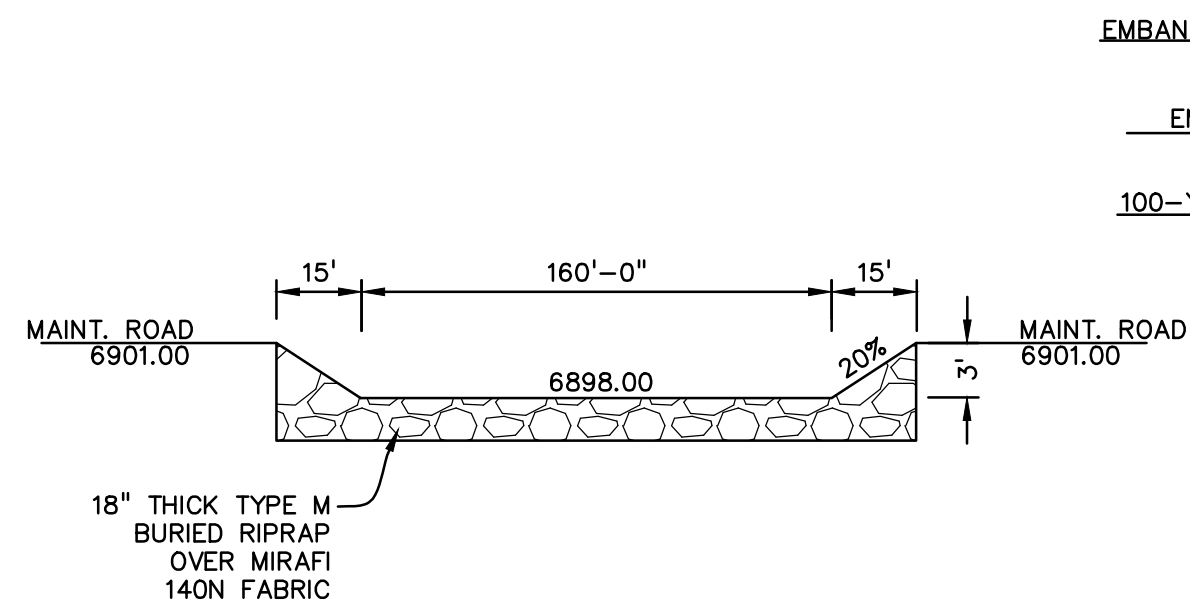


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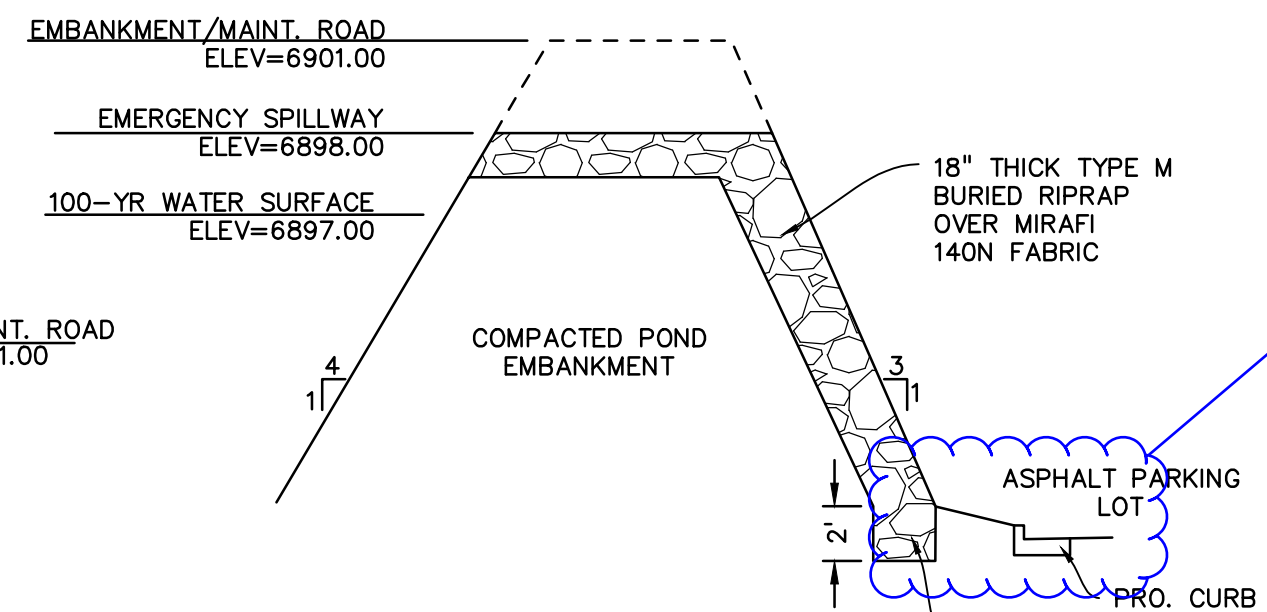






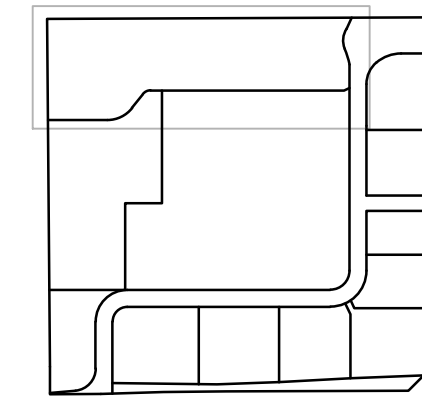


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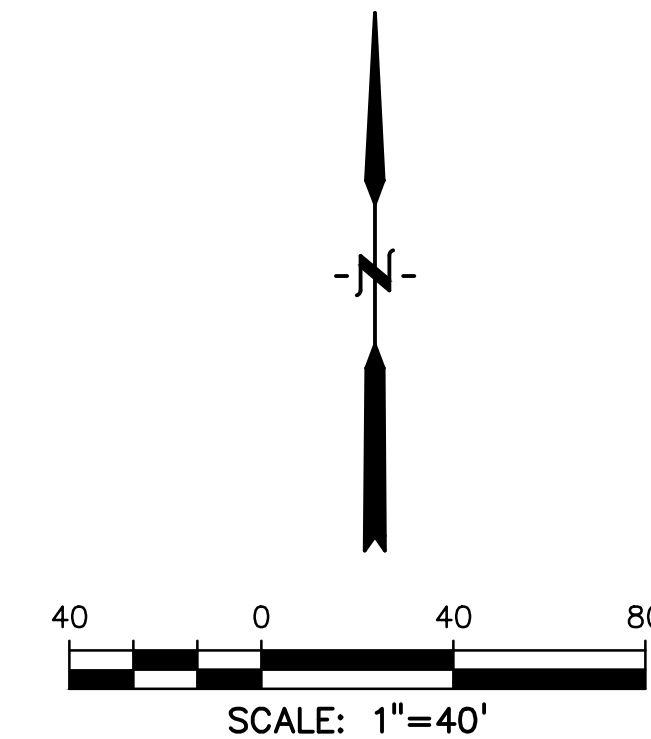


SPILLWAY SECTION A2-A2  
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Provide specific details.



KEY MAP  
NTS



LEGEND

PROPERTY LINE	---
LOT LINE	----
CURB & GUTTER	=====
SIDEWALK	=====
PRO. WATER LINE	—W—
PRO. FIRE HYDRANT	—FH—
PRO. RAW WATER	—RW—
PRO. SANITARY SEWER	—SS—
PRO. STORM SEWER	—S—
EX. OVERHEAD ELECTRIC	—OE—
EX. SANITARY SEWER	—SS—
EX. GAS	—G—

PREPARED BY:  
  
**DREXEL, BARRELL & CO.**  
 Engineers • Surveyors  
 3 SOUTH 7TH STREET  
 COLORADO SPGS, COLORADO 80905  
 CONTACT: TIM D. McCONNELL, P.E.  
 (719)260-0887  
 BOULDER • COLORADO SPRINGS

CLIENT:  
**HUMMEL INVESTMENTS, LLC**  
 8117 PRESTON ROAD, SUITE 120  
 DALLAS, TEXAS 75225  
 (214) 416-9820

OVERLOT GRADING, POND SR4 & UTILITY  
 CONSTRUCTION DRAWINGS FOR

**FALCON MARKETPLACE**  
 FALCON, COLORADO

ISSUE	DATE
1ST SUBMITTAL	6-20-17
RESUBMITTAL	8-13-18
DESIGNED BY:	TDM
DRAWN BY:	KGV
CHECKED BY:	TDM
FILE NAME:	

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

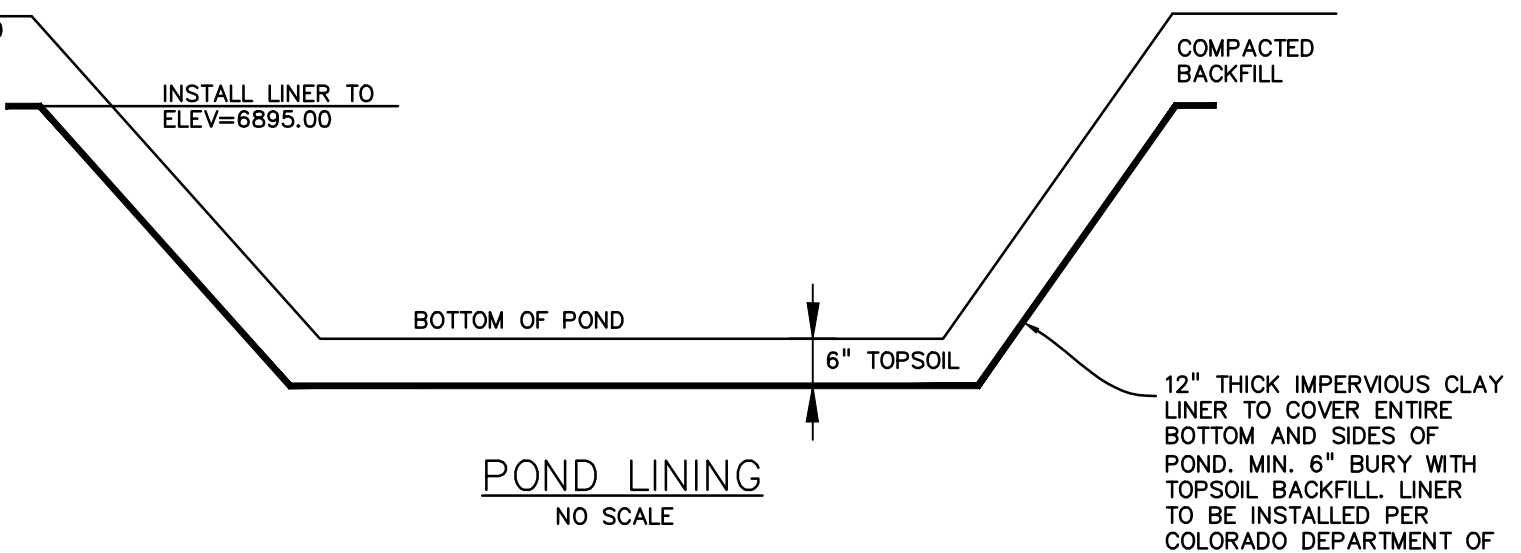
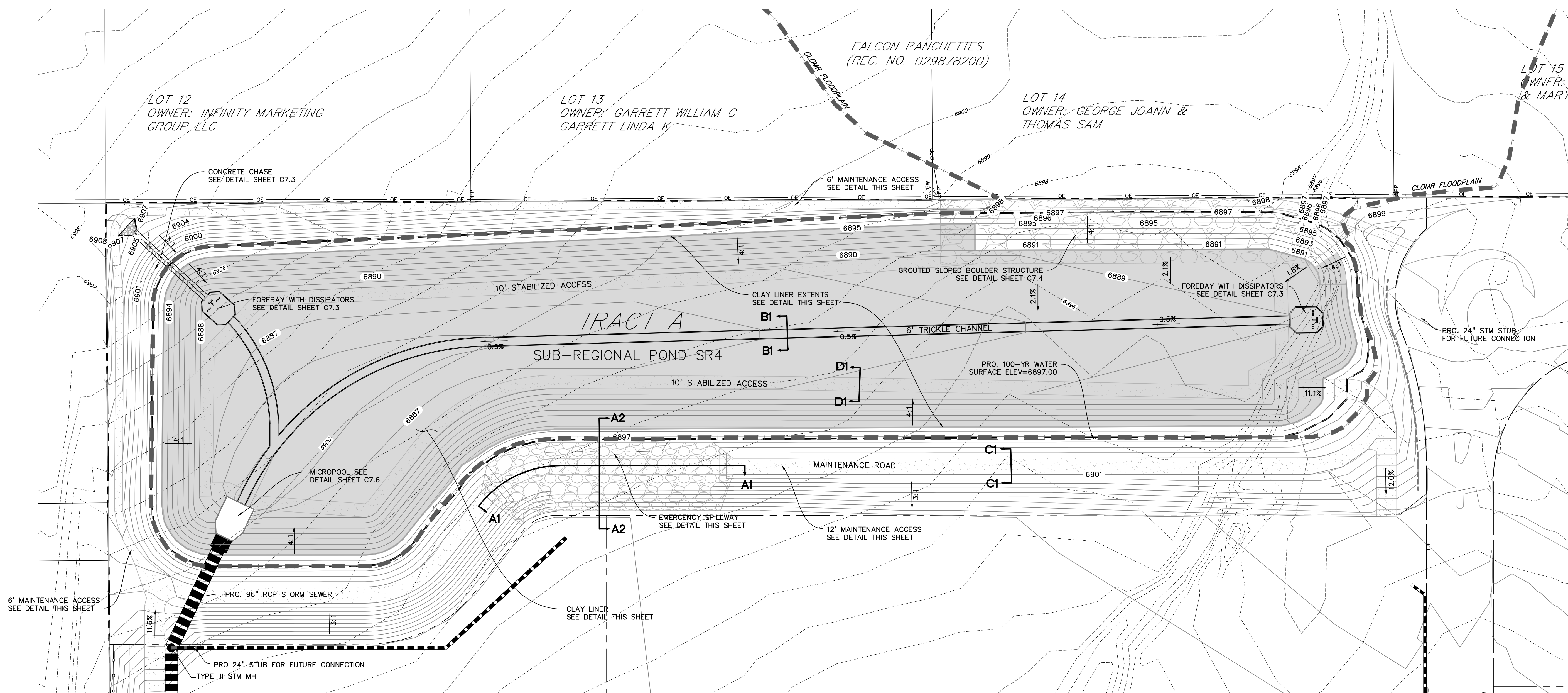
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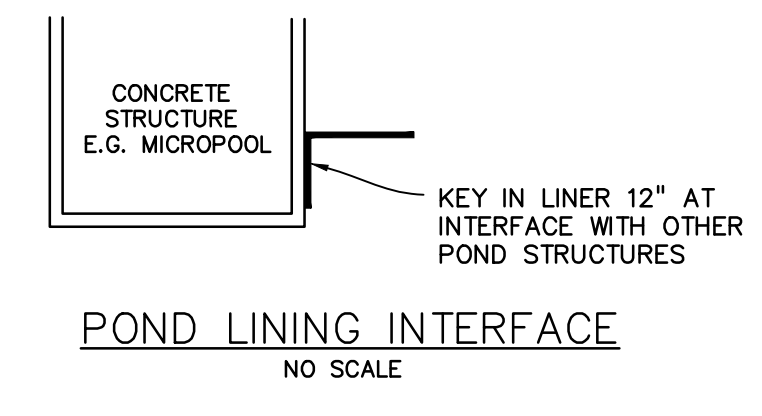
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**C7.2**

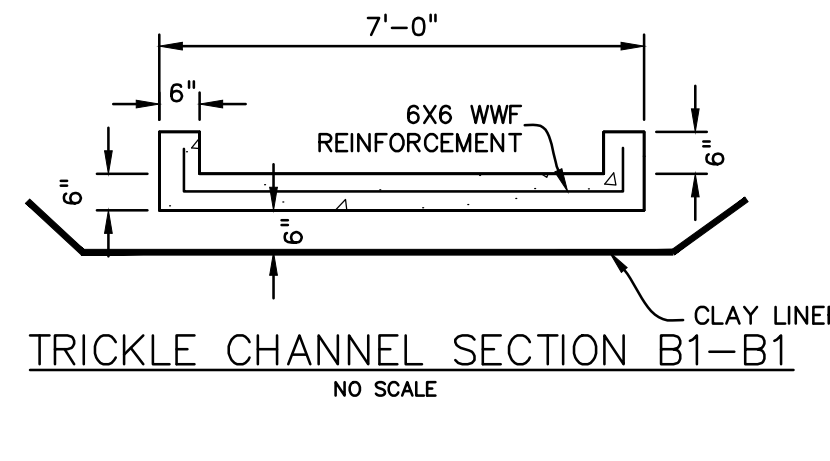
SHEET: 9 OF 26



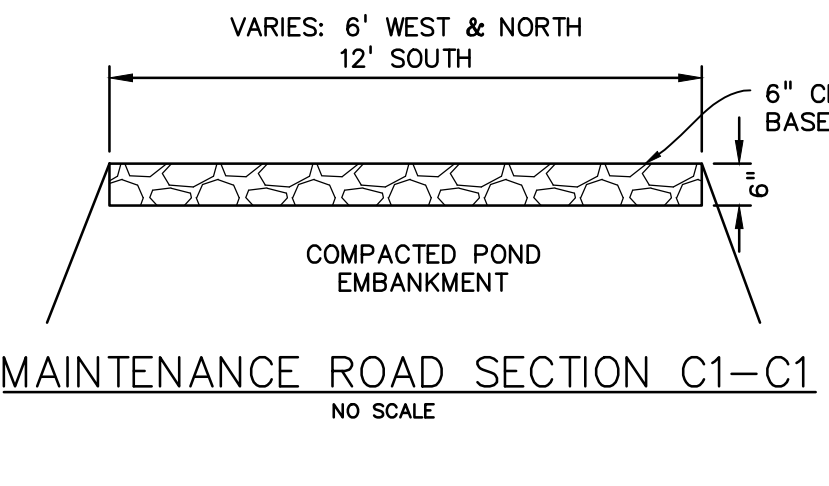
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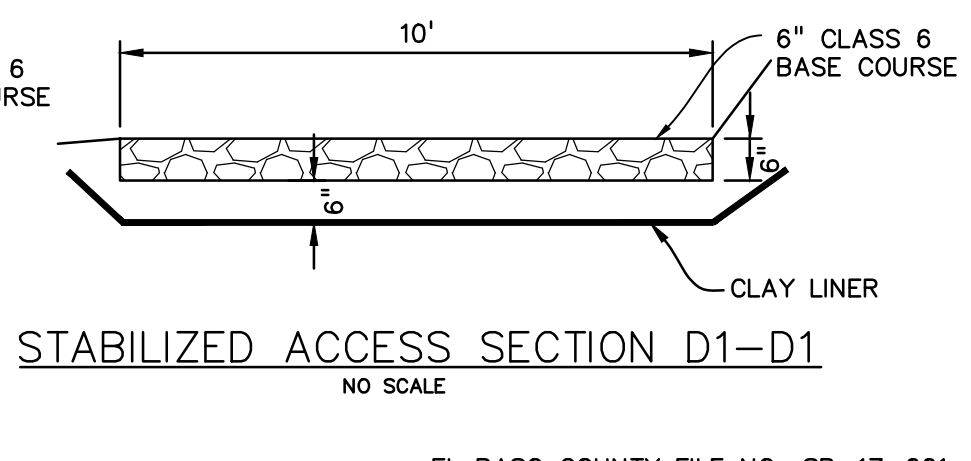
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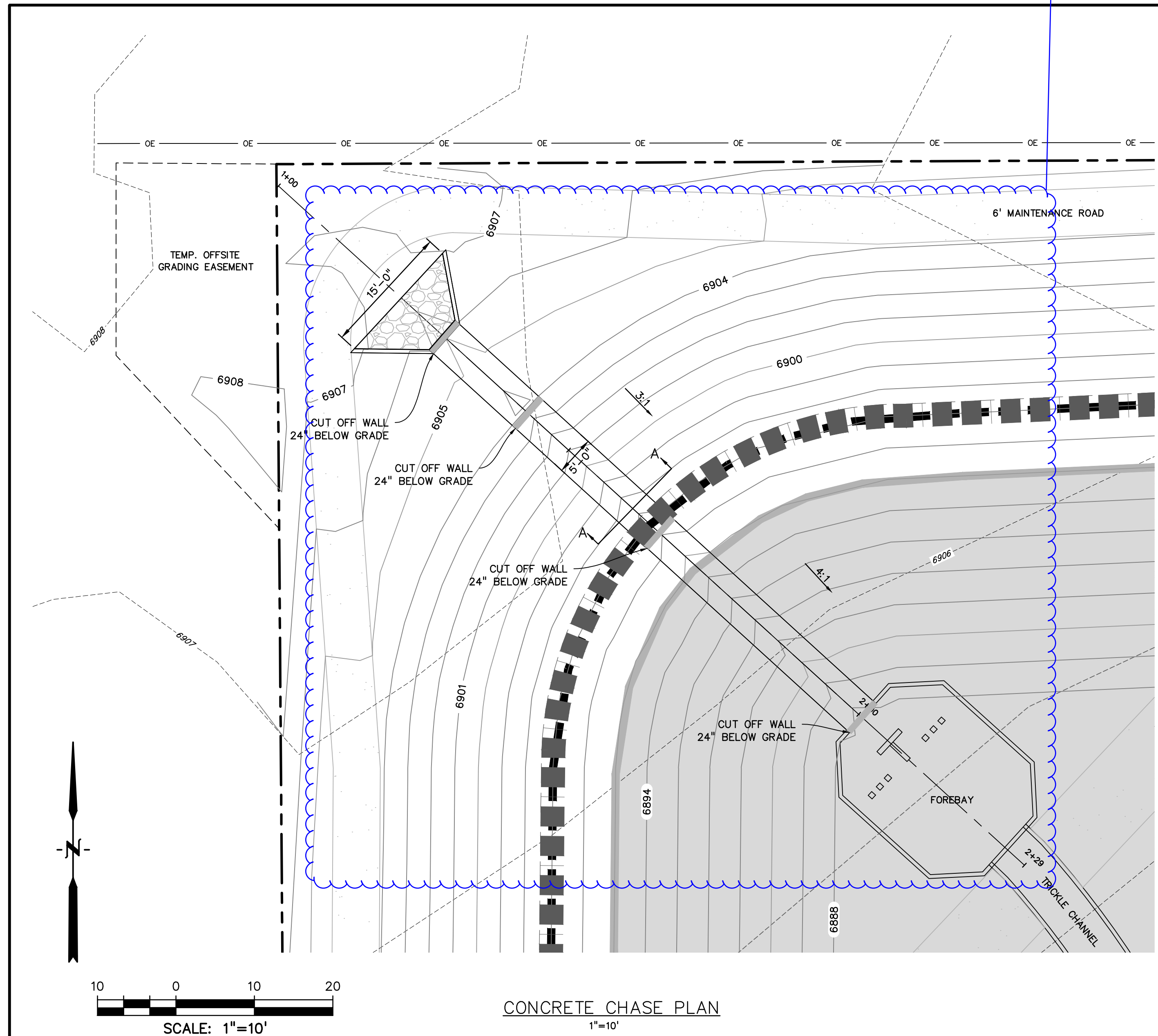
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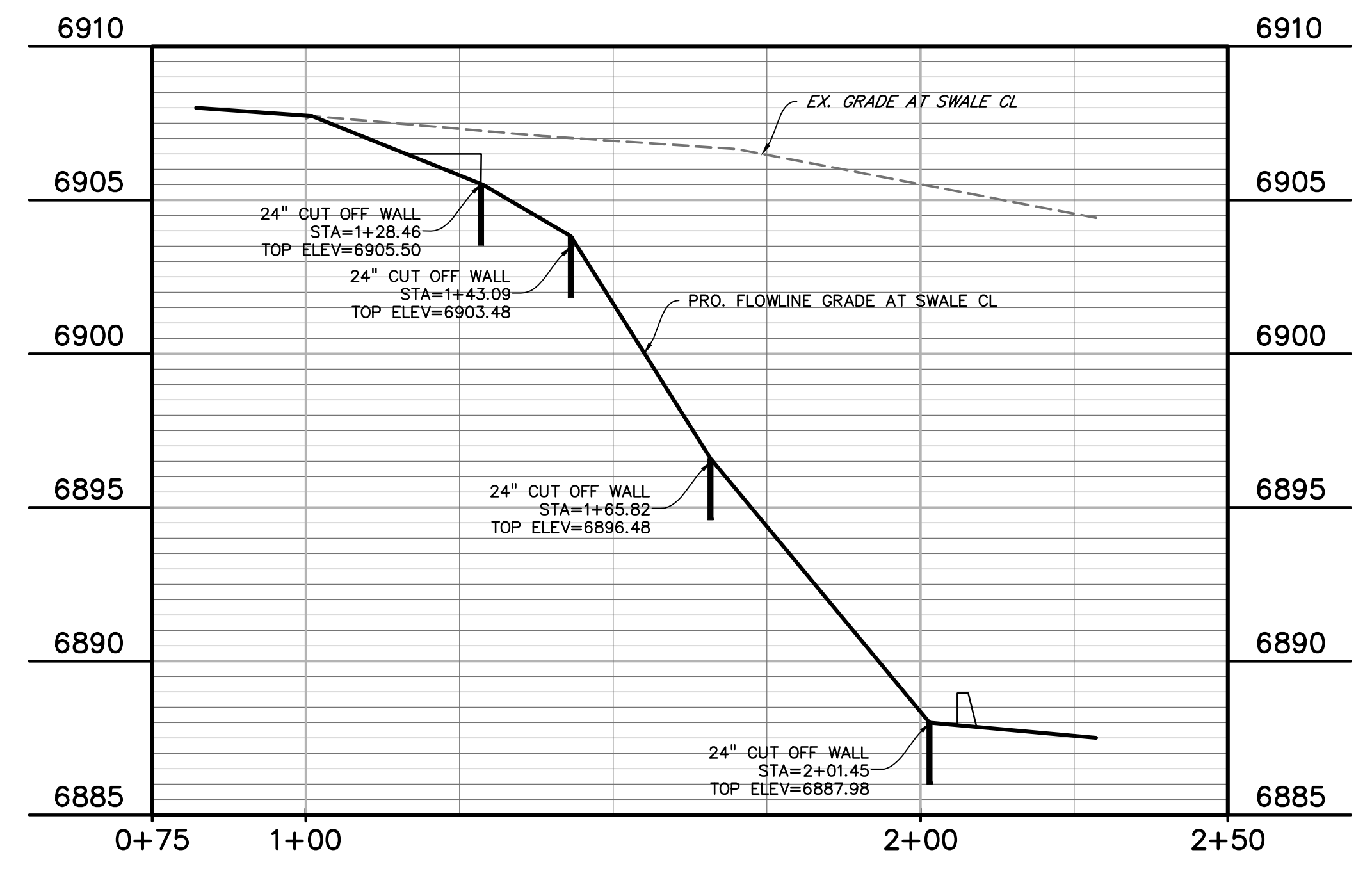
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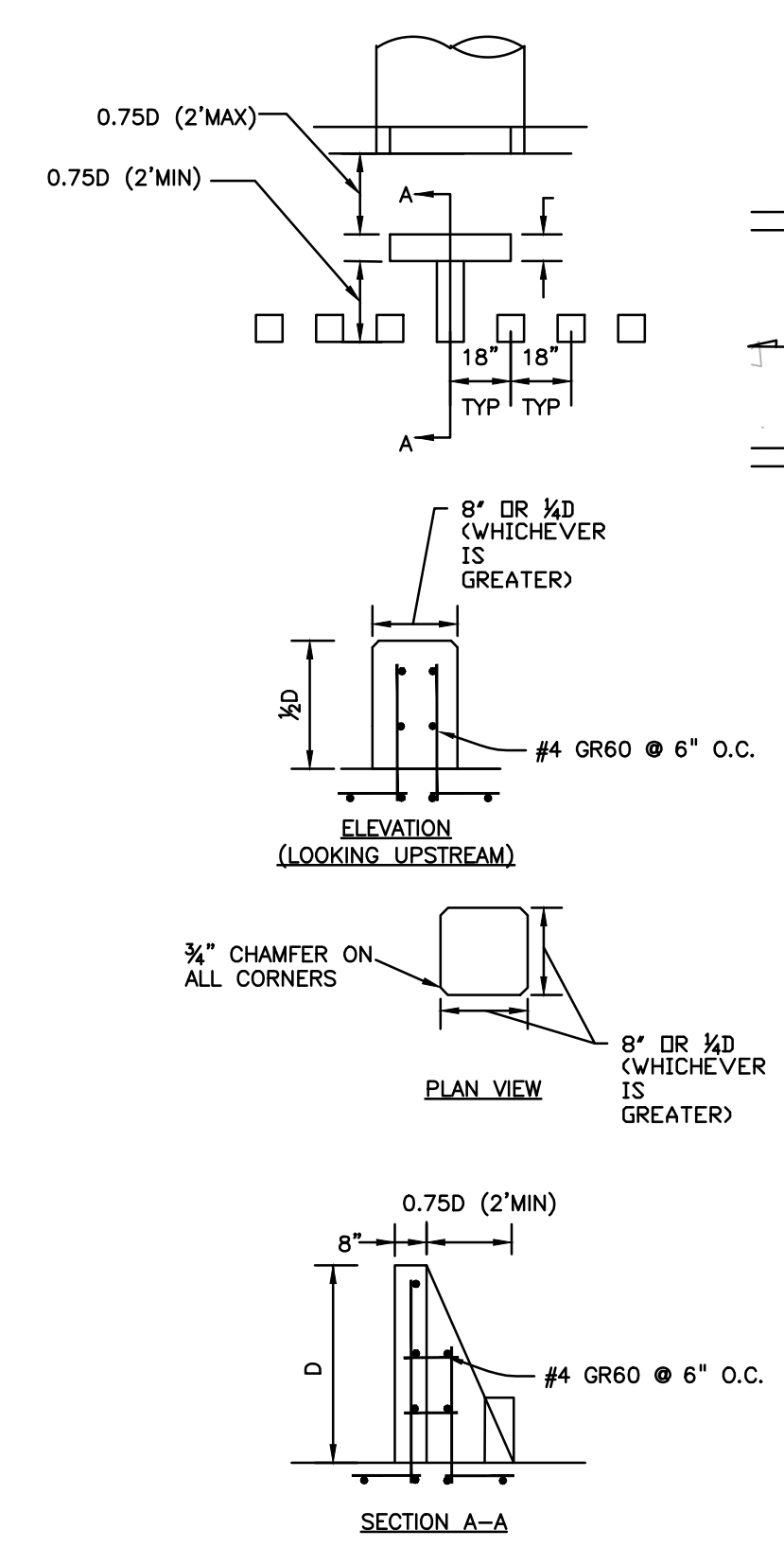
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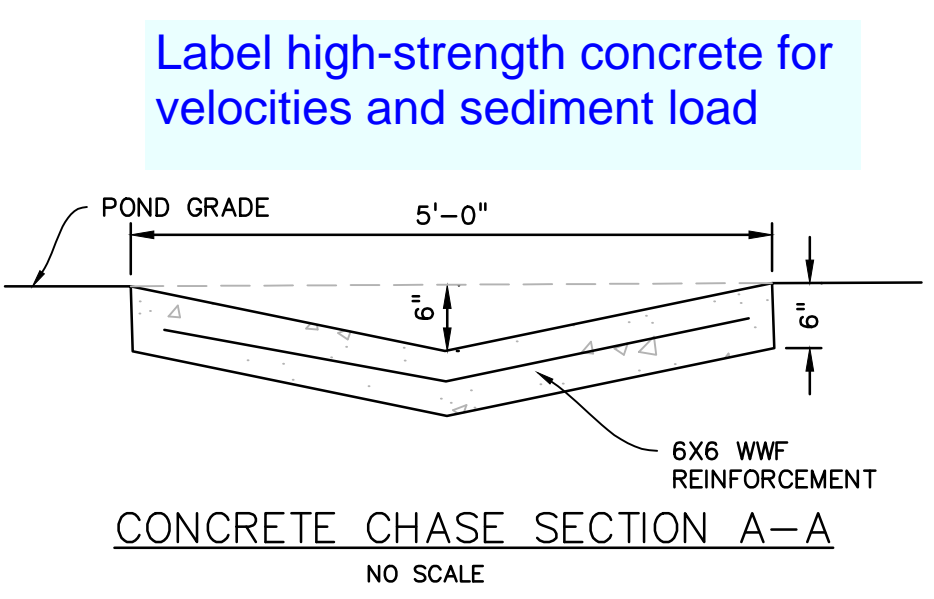
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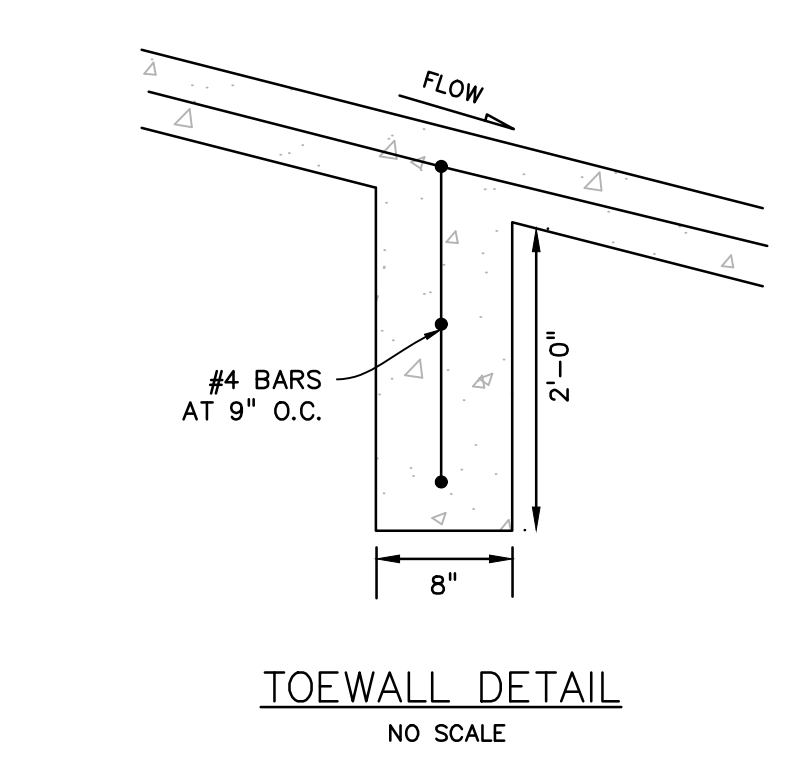
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1"=20'



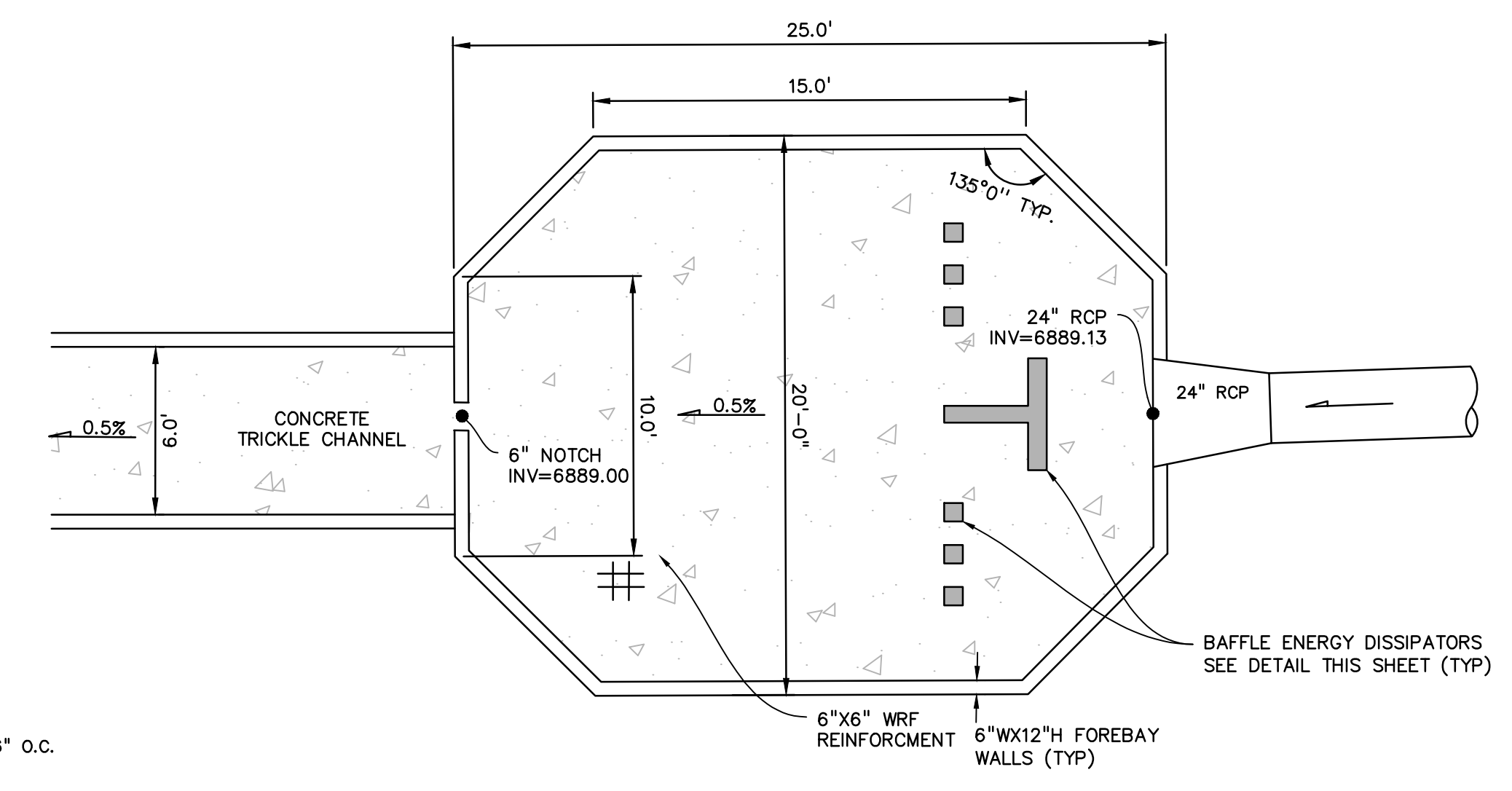
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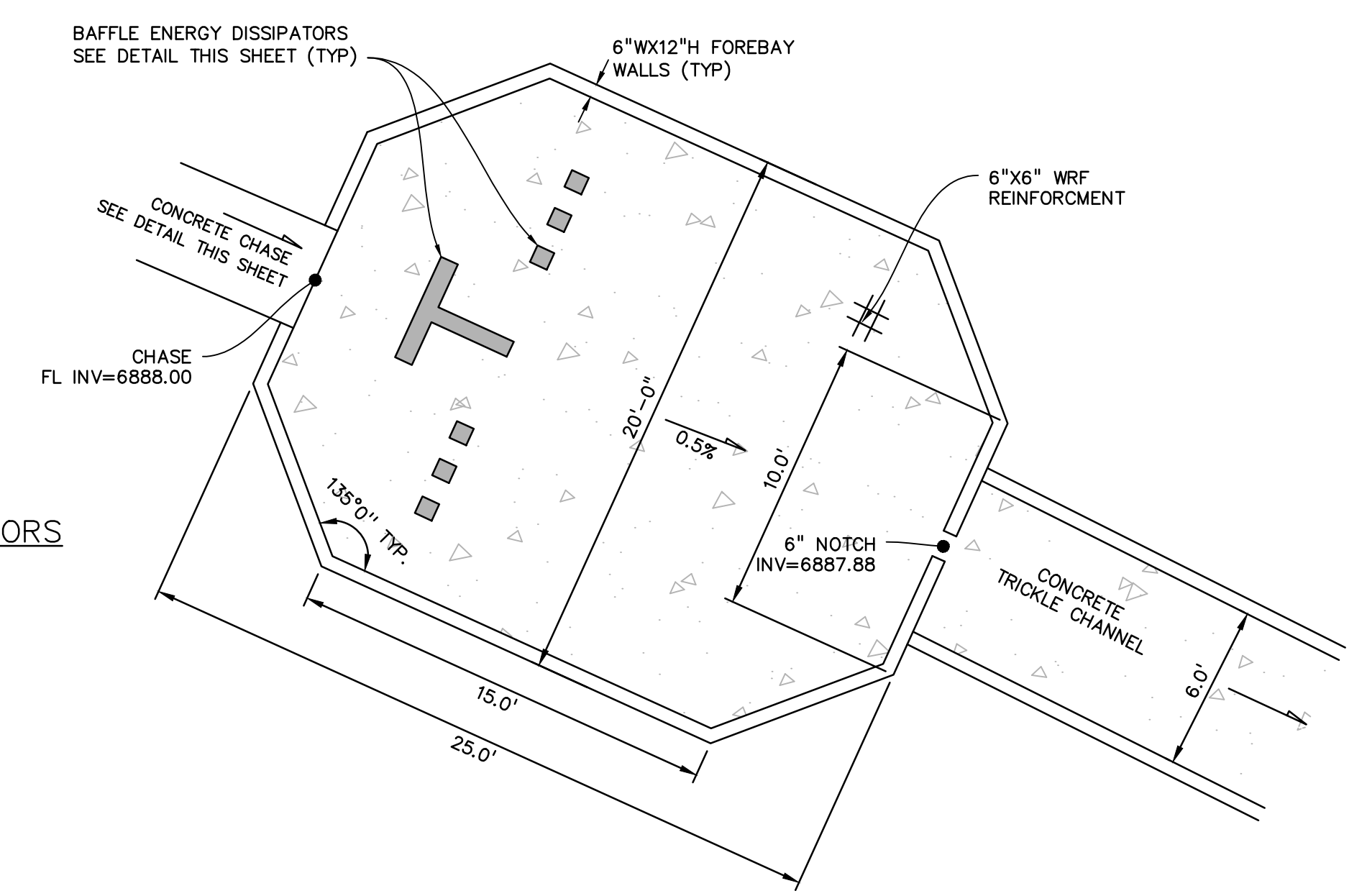
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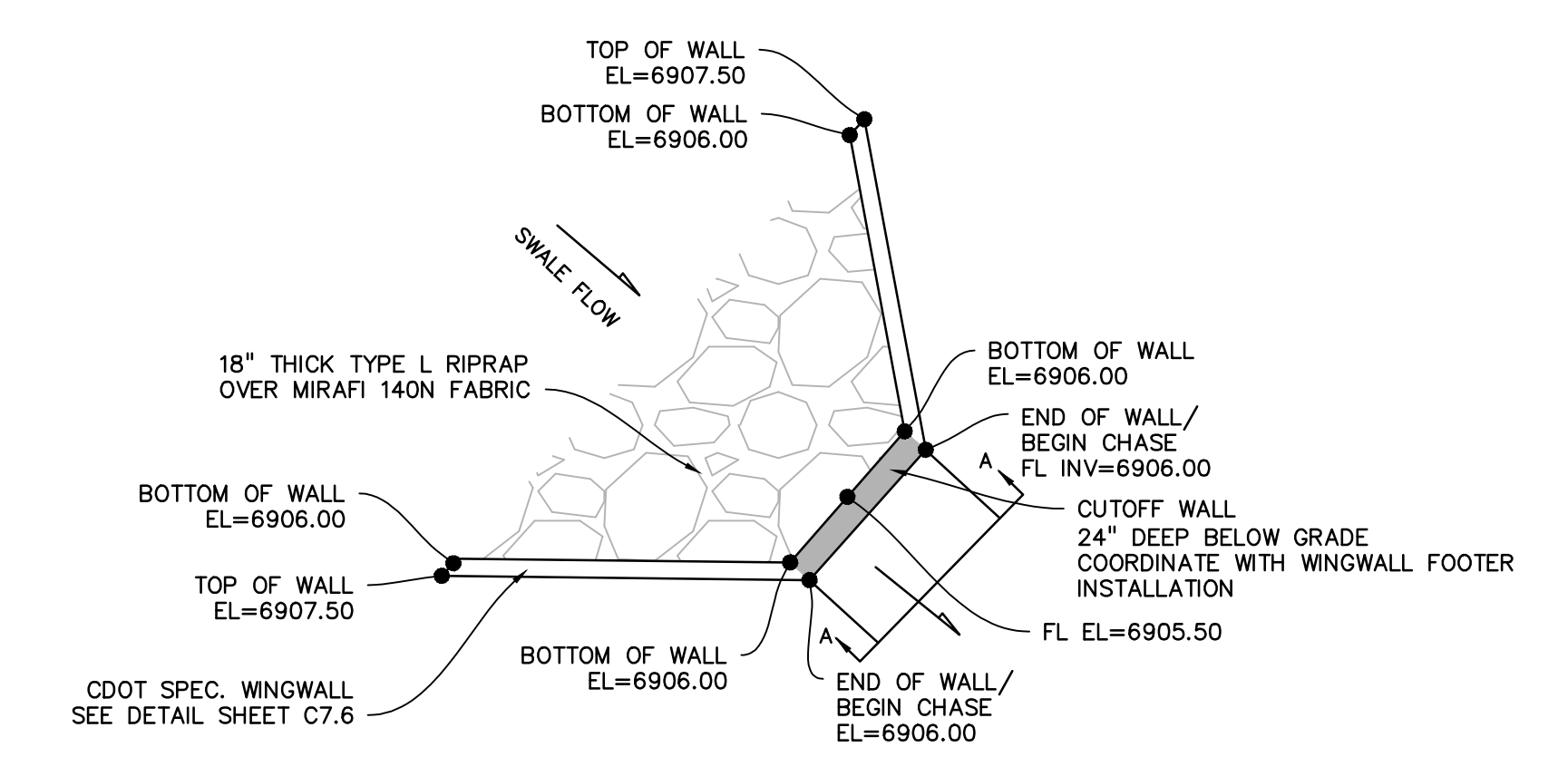
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WEST FOREBAY  
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CONCRETE CHASE INFLOW  
NO SCALE

PREPARED BY:  
  
DREXEL, BARRELL & CO.  
Engineers-Surveyors  
3 SOUTH 7TH STREET  
COLORADO SPRINGS, COLORADO 80905  
CONTACT: TIM D. McCONNELL, P.E.  
(719)260-0887  
BOULDER • COLORADO SPRINGS

CLIENT:  
**HUMMEL INVESTMENTS, LLC**  
8117 PRESTON ROAD, SUITE 120  
DALLAS, TEXAS 75225  
(214) 416-9820

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FALCON, COLORADO

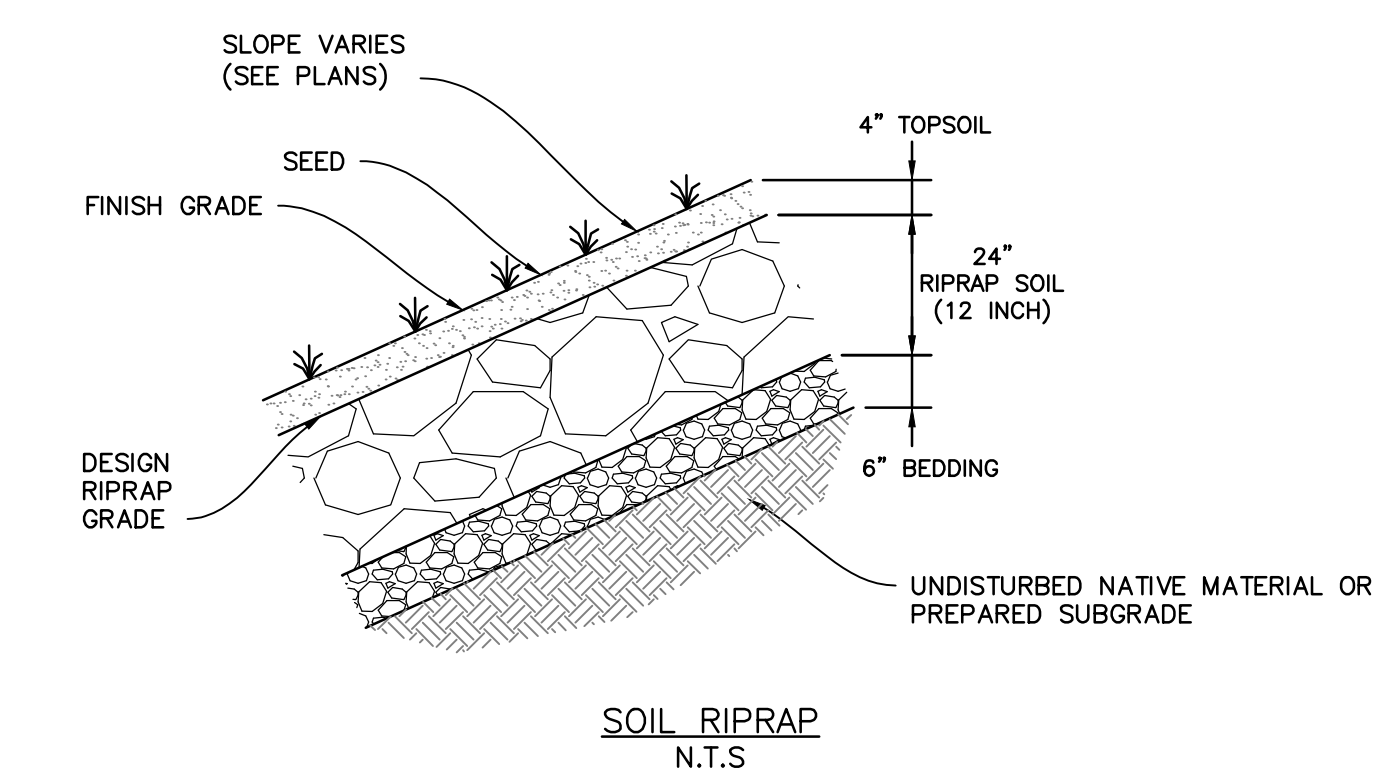
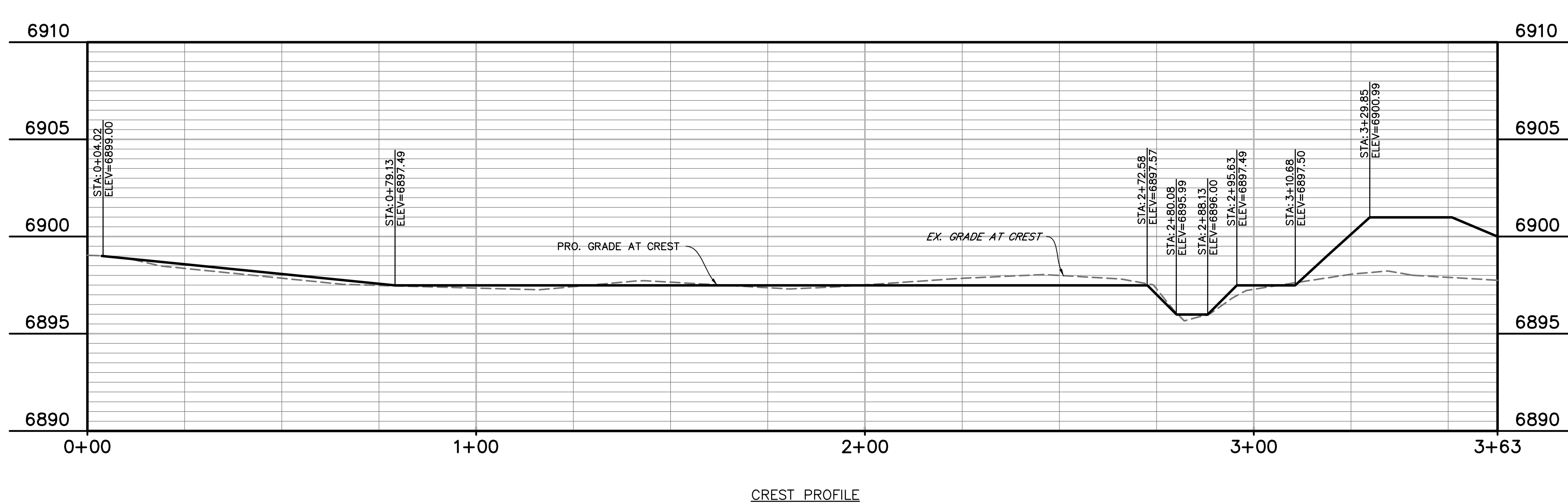
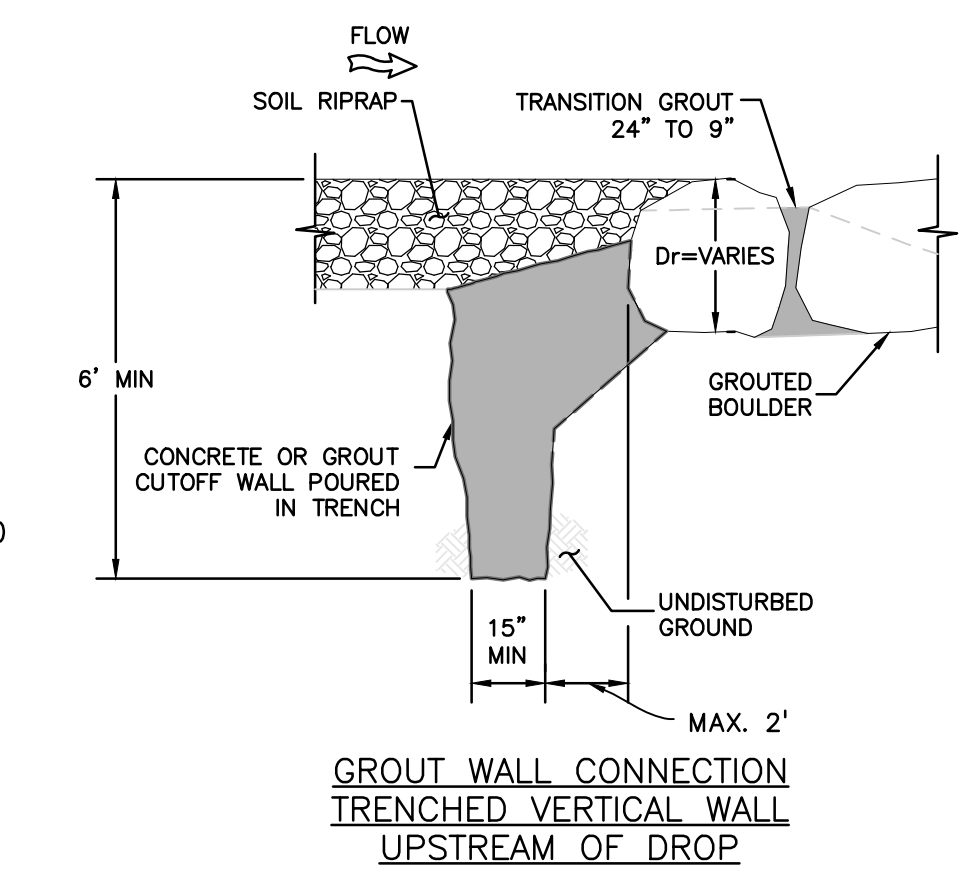
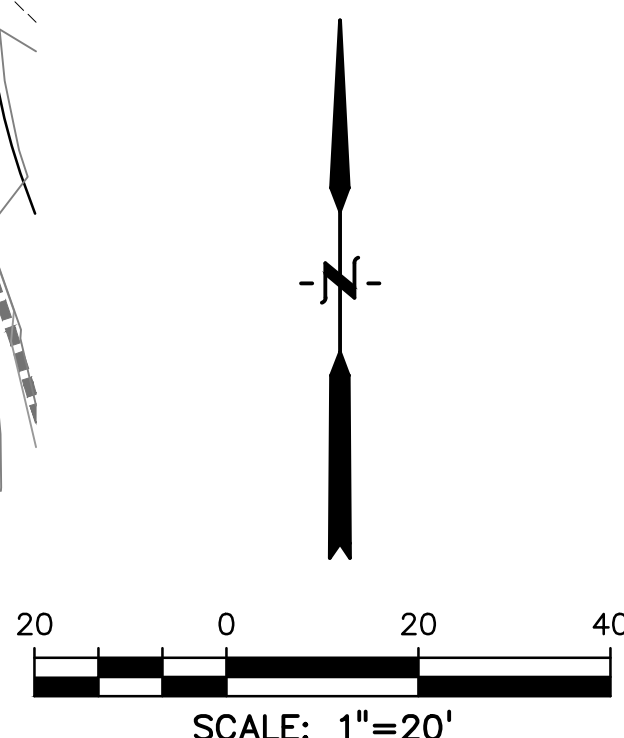
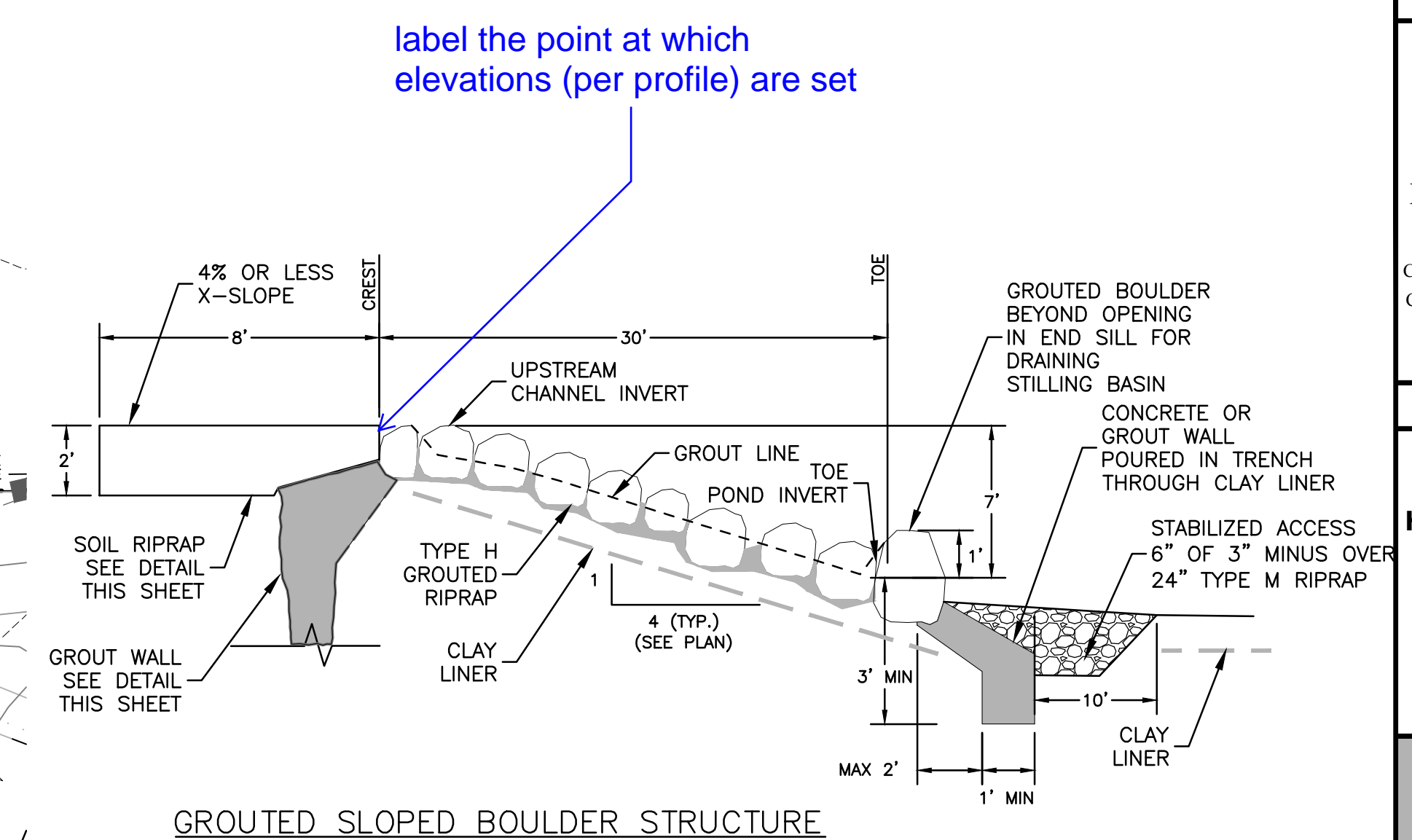
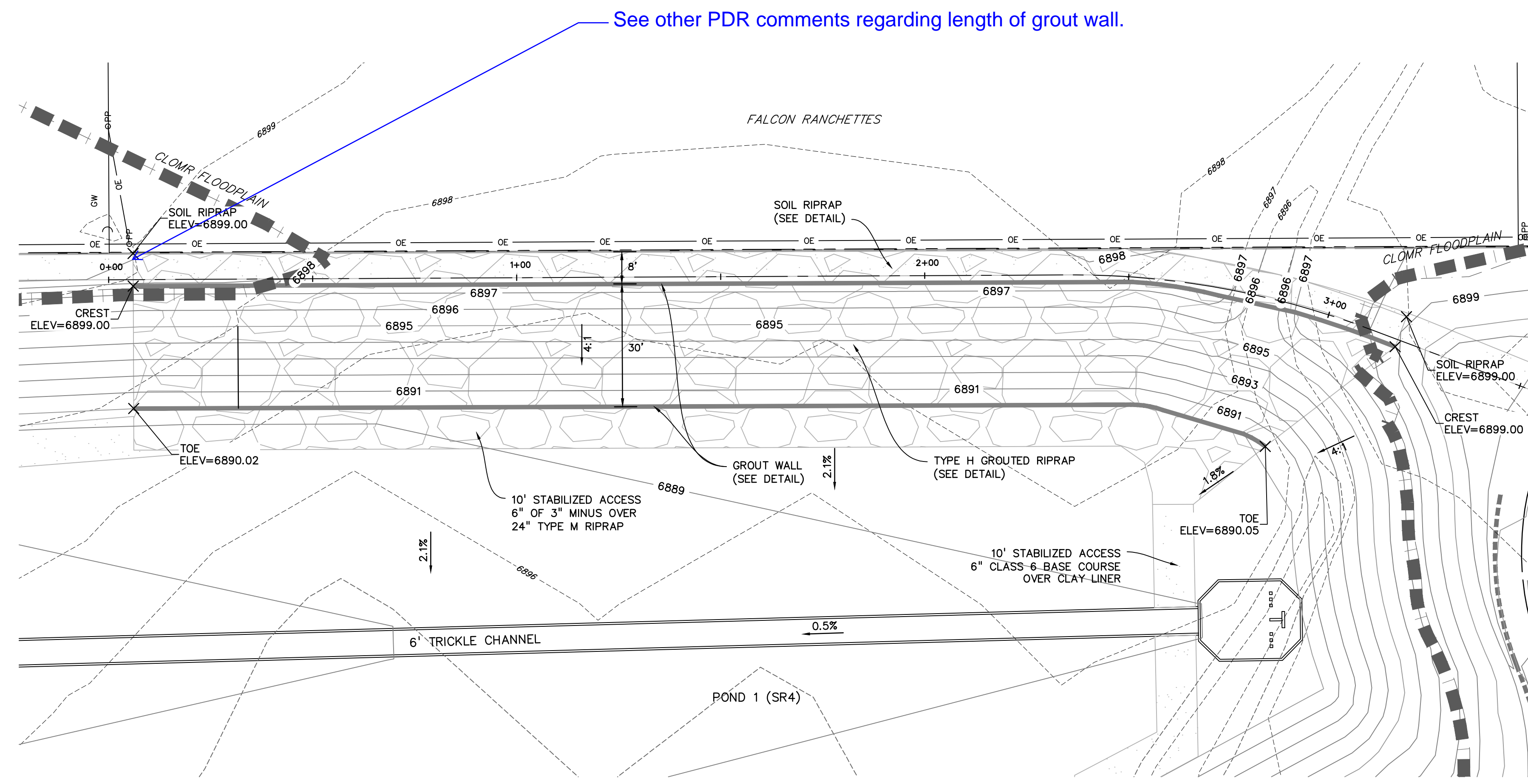
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RESUBMITTAL	8-13-18
DESIGNED BY:	TDM
DRAWN BY:	KGV
CHECKED BY:	TDM
FILE NAME:	

PREPARED UNDER MY DIRECT  
SUPERVISION FOR AND ON BEHALF  
OF DREXEL, BARRELL & CO.  
DRAWING SCALE:  
HORIZONTAL: N/A  
VERTICAL: N/A

**POND #1 (SR4)  
DETAILS**

PROJECT NO. 20988-00CSCV  
DRAWING NO.  
**C7.3**





PREPARED BY:

DREXEL, BARRELL & CO.  
Engineers-Surveyors  
3 SOUTH 7TH STREET  
COLORADO SPGS, COLORADO 80905  
CONTACT: TIM D. McCONNELL, P.E.  
(719)260-0887  
BOULDER • COLORADO SPRINGS

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DRAWING SCALE:  
HORIZONTAL: 1"=20'  
VERTICAL: N/A

POND #1 (SR4)  
GROUTED DROP  
DETAILS

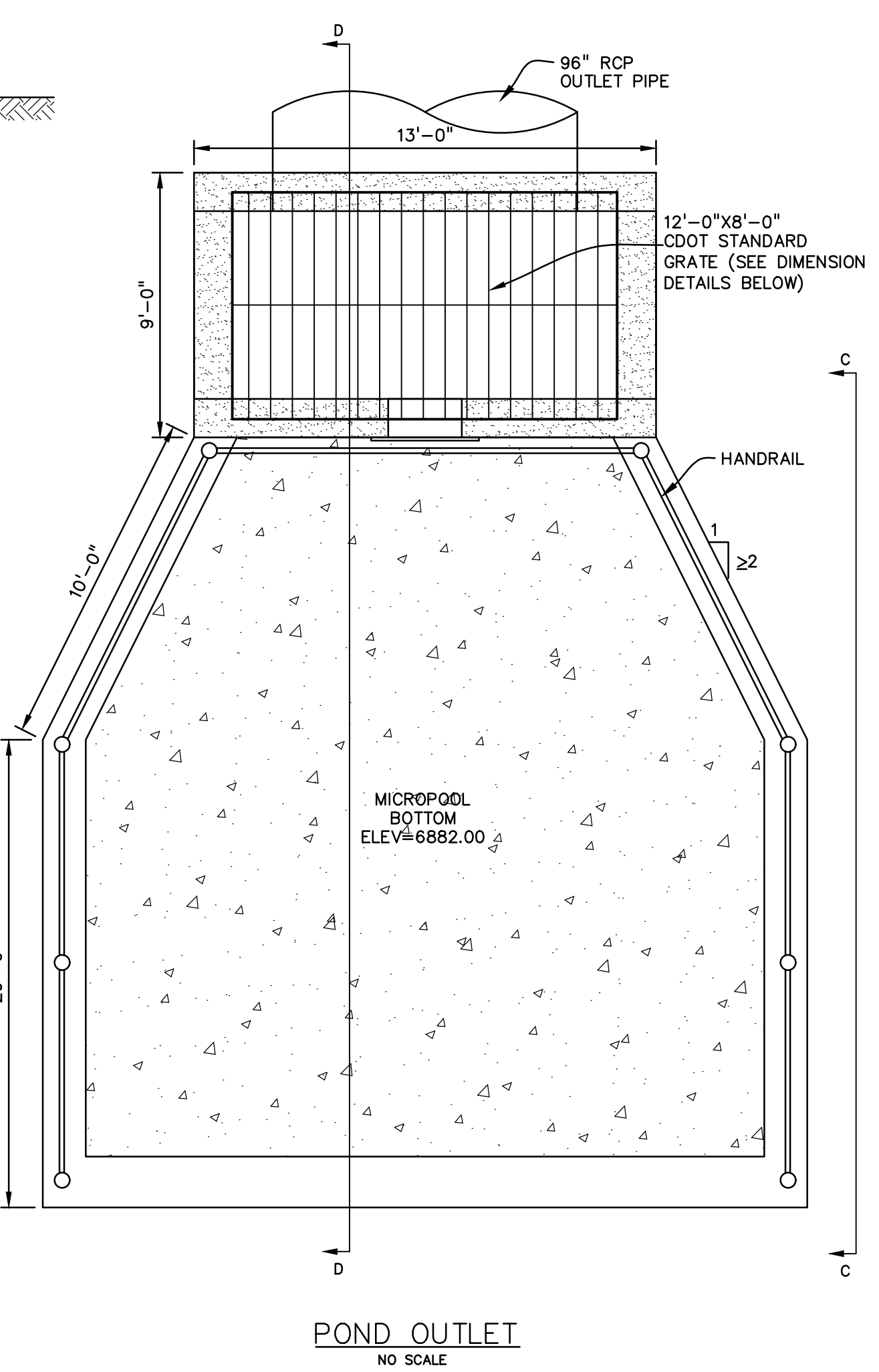
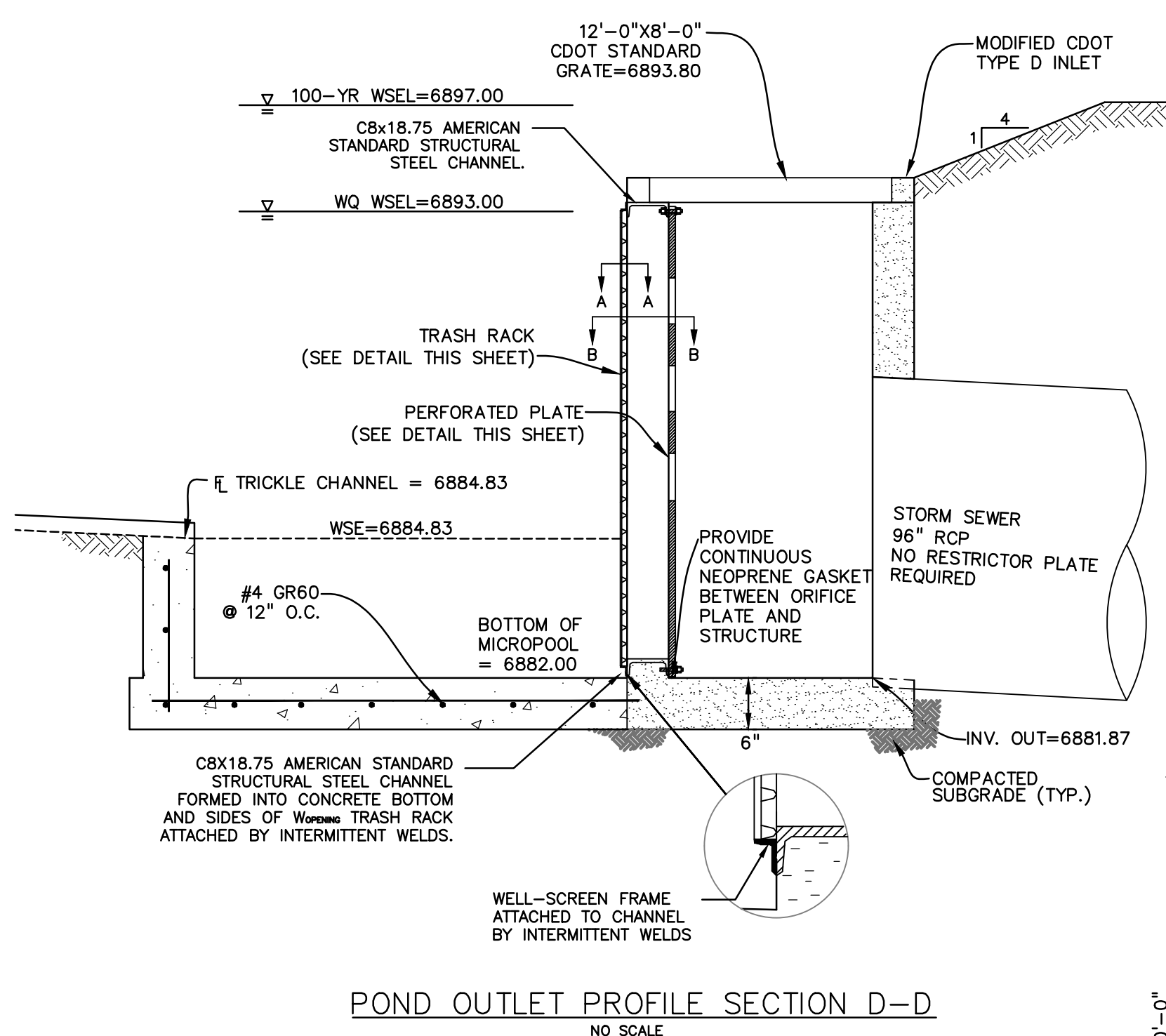
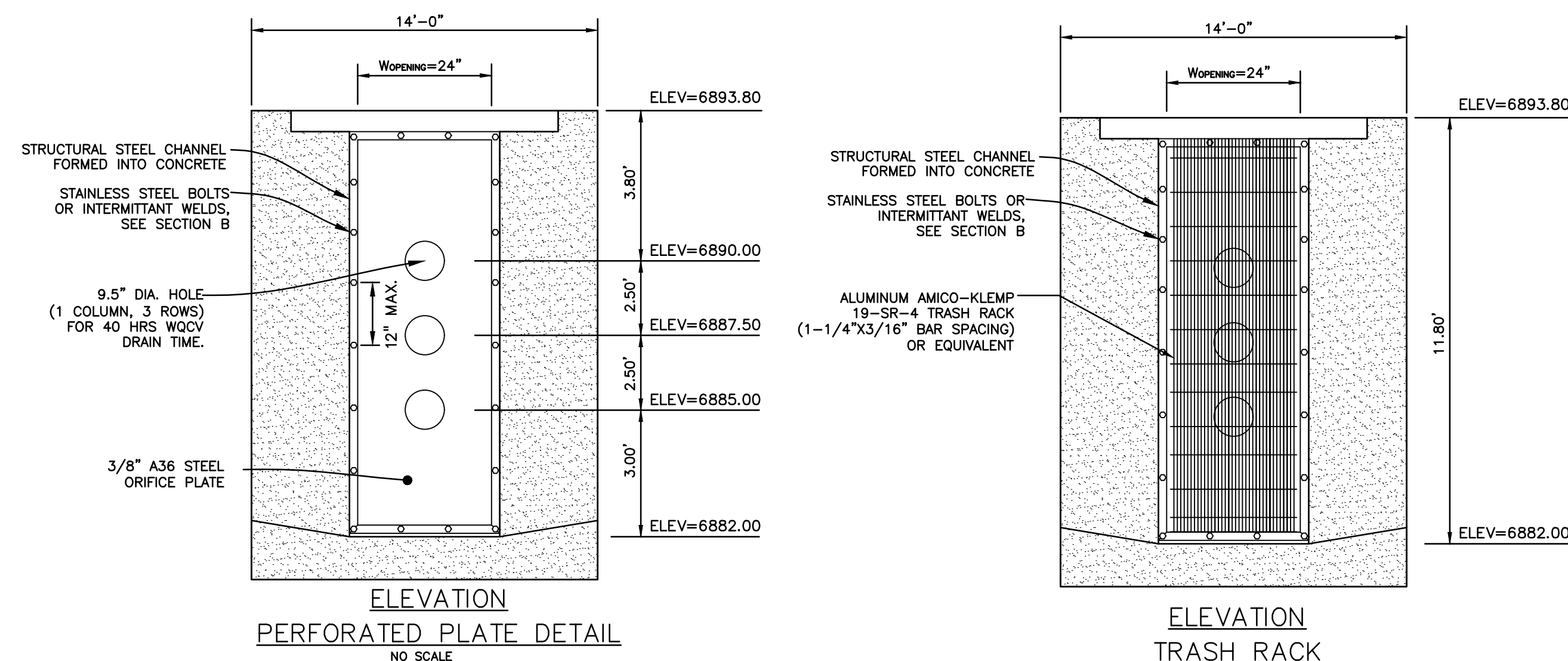
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DRAWING NO.

**C7.4**

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CDR-16-007

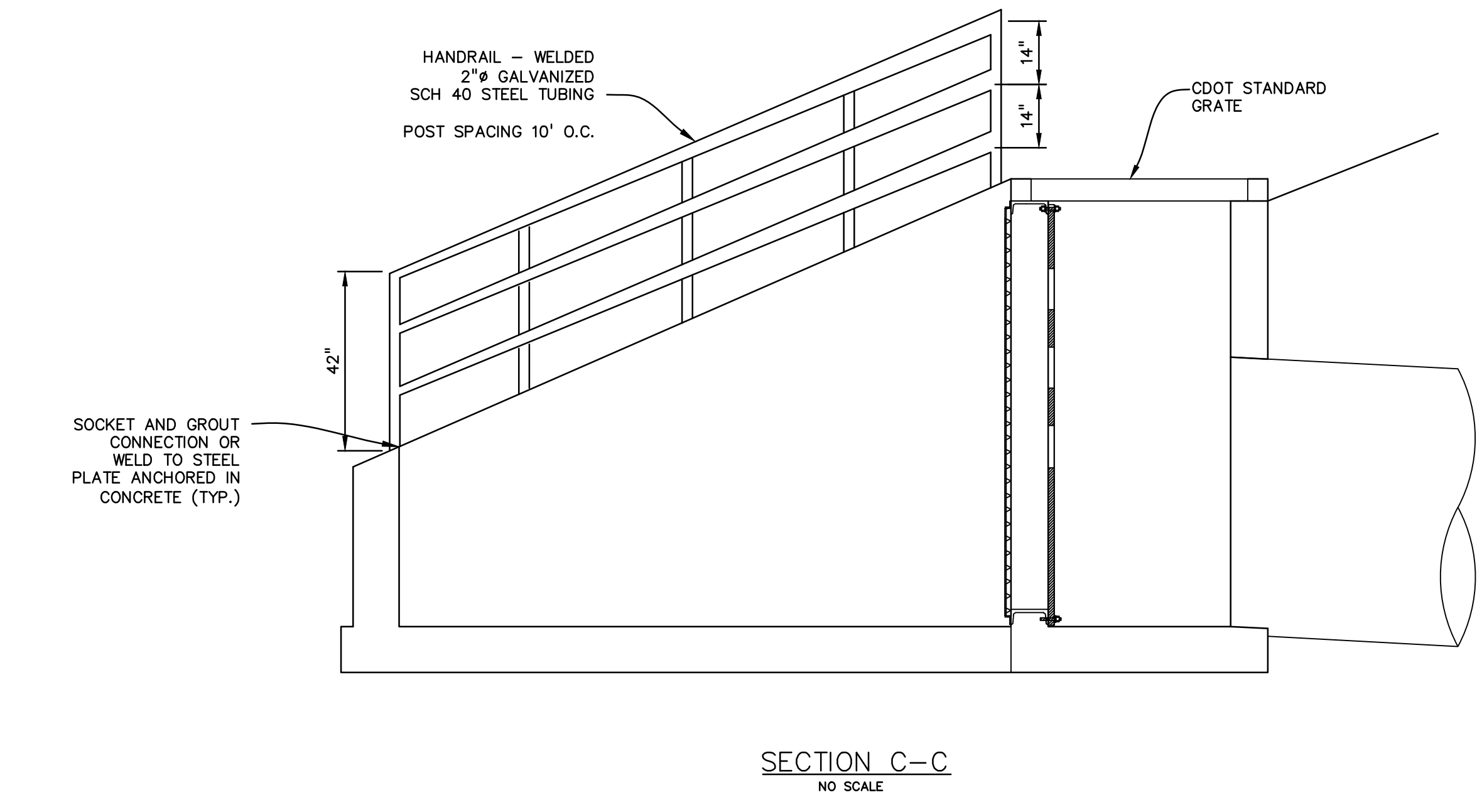
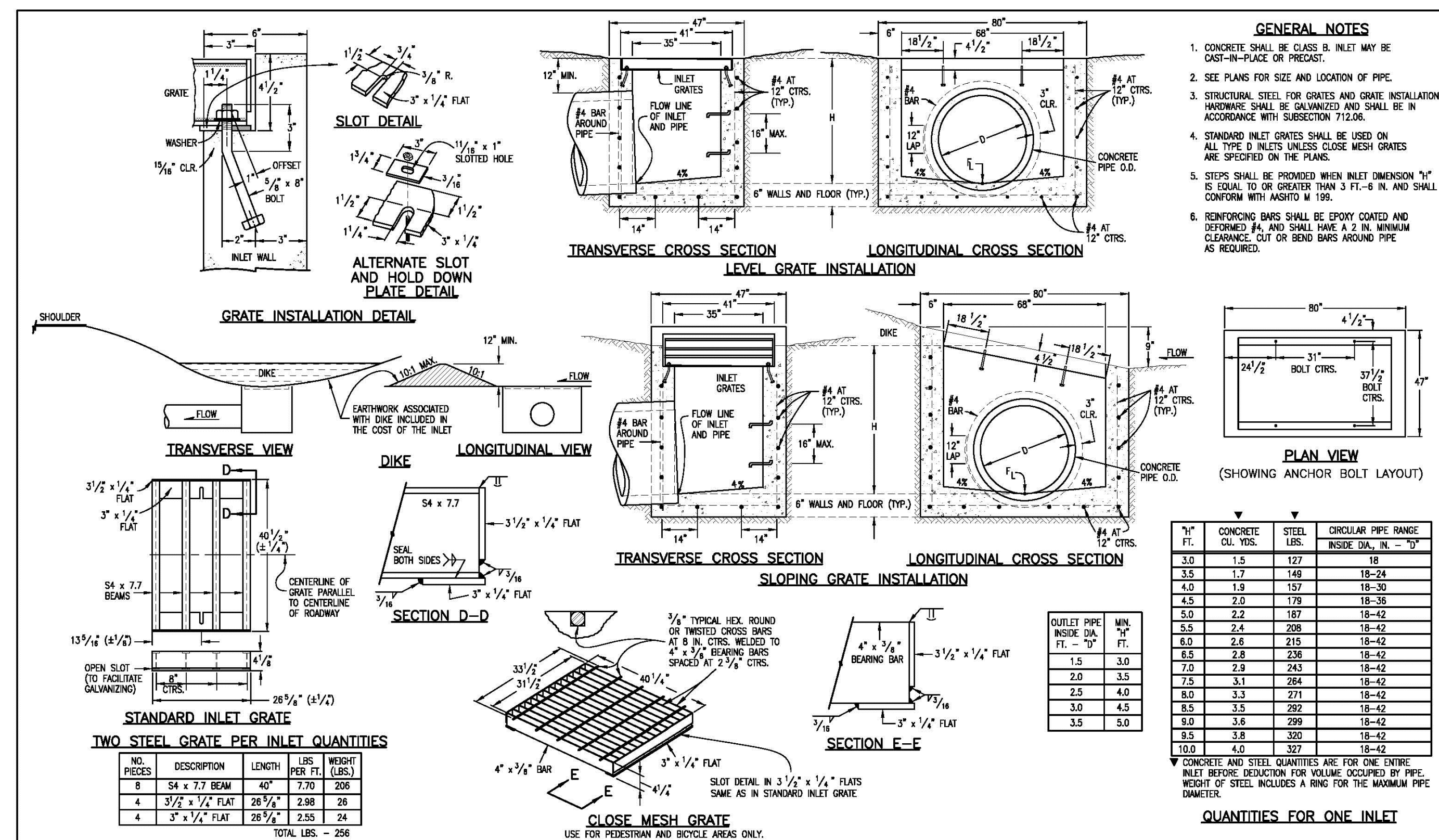
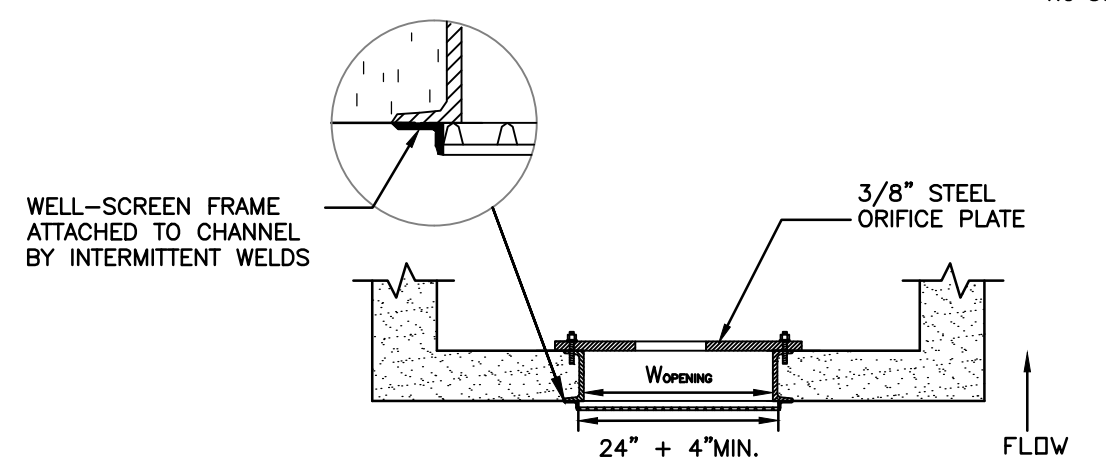
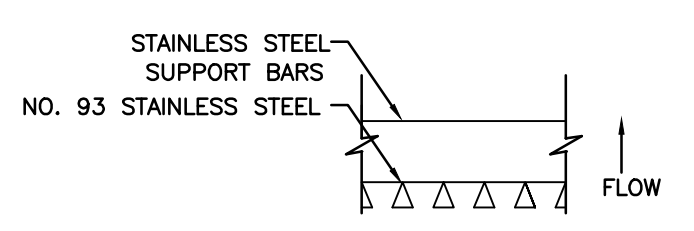
SHEET: 11 OF 26





- PERFORATED PLATE NOTES:**
1. PROVIDE NEOPRENE GASKET MATERIAL OR GROUT BETWEEN THE ORIFICE PLATE AND CONCRETE.
  2. BOLT PLATE TO CONCRETE @ 12" MAX. ON CENTER. ORIFICE PLATE IS TO BE REMOVABLE.
  3. ALL UNFINISHED METAL SURFACES ARE TO BE COATED WITH ZRC COLD GALVANIZING COMPOUND.

? - Clarify what will be coated (not stainless steel)



**Computer File Information**

Creation Date: 07/04/06 Initials: SJR  
 Last Modification Date: 07/04/06 Initials: LTA  
 Full Path: www.dot.state.co.us/DesignSupport/  
 Drawing File Name: 6040110101.dwg  
 CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English

**Sheet Revisions**

NO.	DESCRIPTION	DATE	INITIALS

**Colorado Department of Transportation**  
 4201 East Arkansas Avenue  
 Denver, Colorado 80222  
 Phone: (303) 757-9683  
 Fax: (303) 757-9820

Project Development Branch SRJ/LTA

**INLET, TYPE D**

STANDARD PLAN NO. M-604-11

Sheet No. 1 of 1

**PREPARED BY:**

**DREXEL, BARRELL & CO.**  
 Engineers-Surveyors  
 3 SOUTH 7TH STREET  
 COLORADO SPGS, COLORADO 80905  
 CONTACT: TIM D. McCONNELL, P.E.  
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OVERLOT GRADING, POND SR4 & UTILITY CONSTRUCTION DRAWINGS FOR

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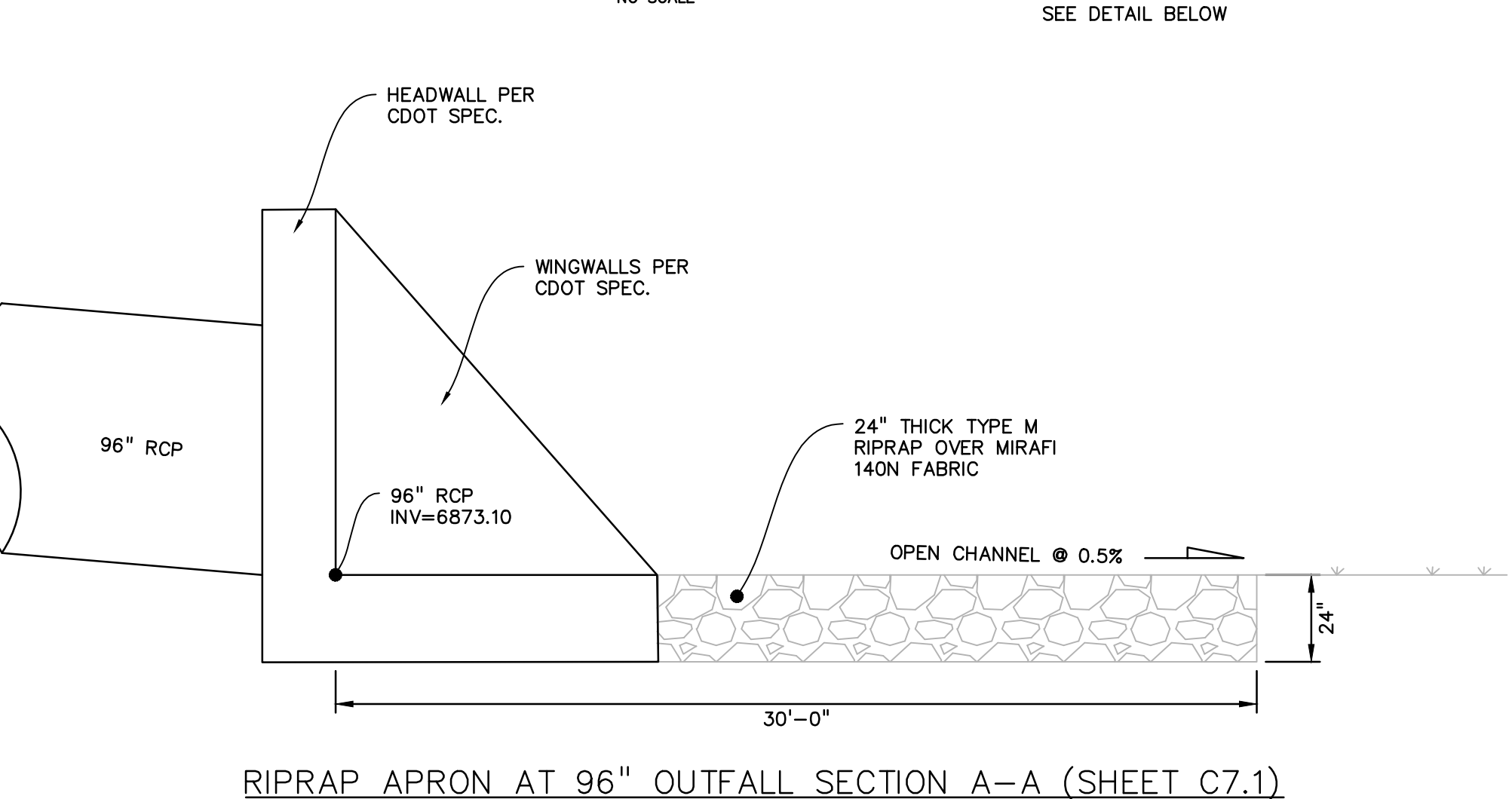
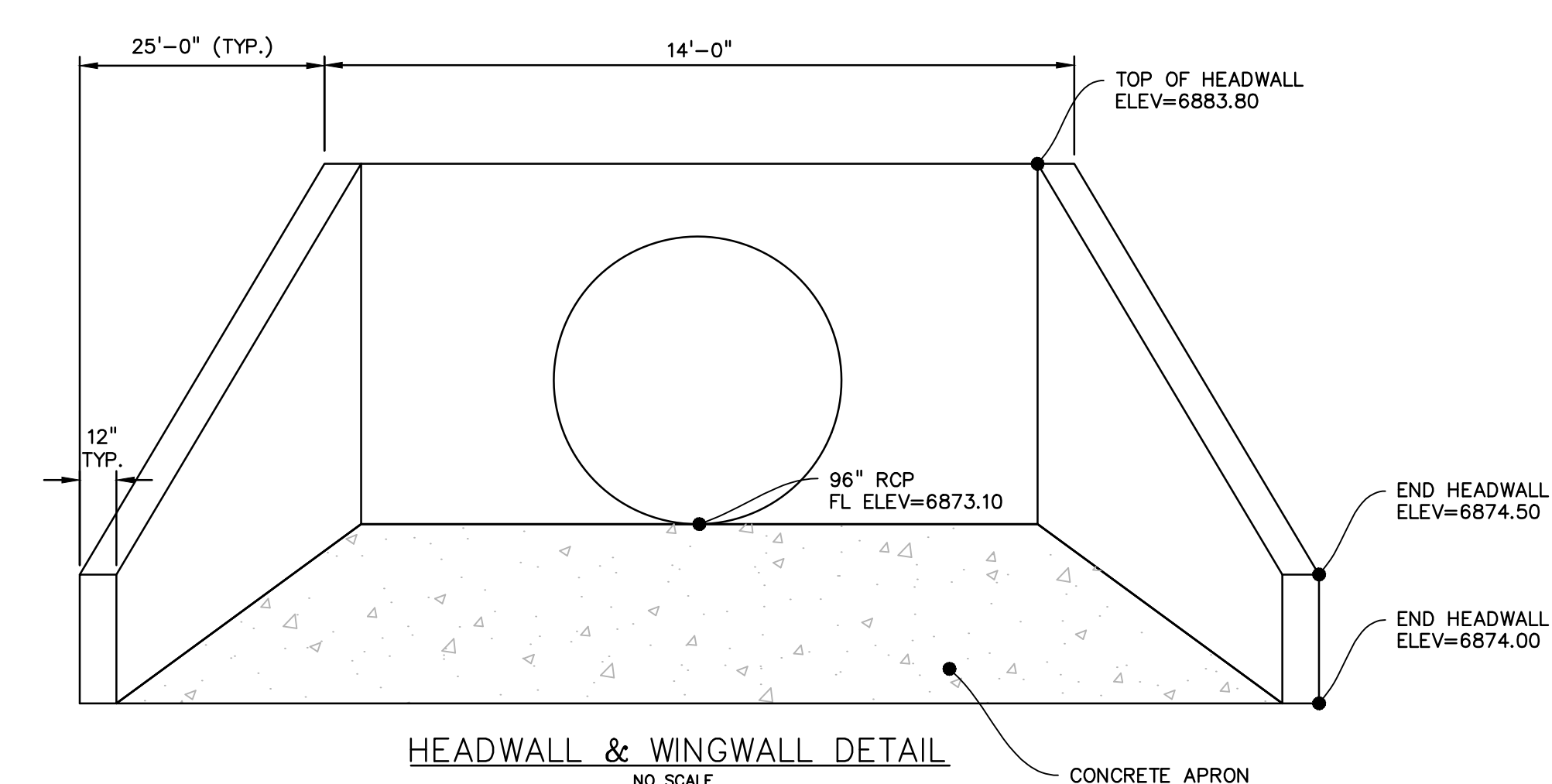
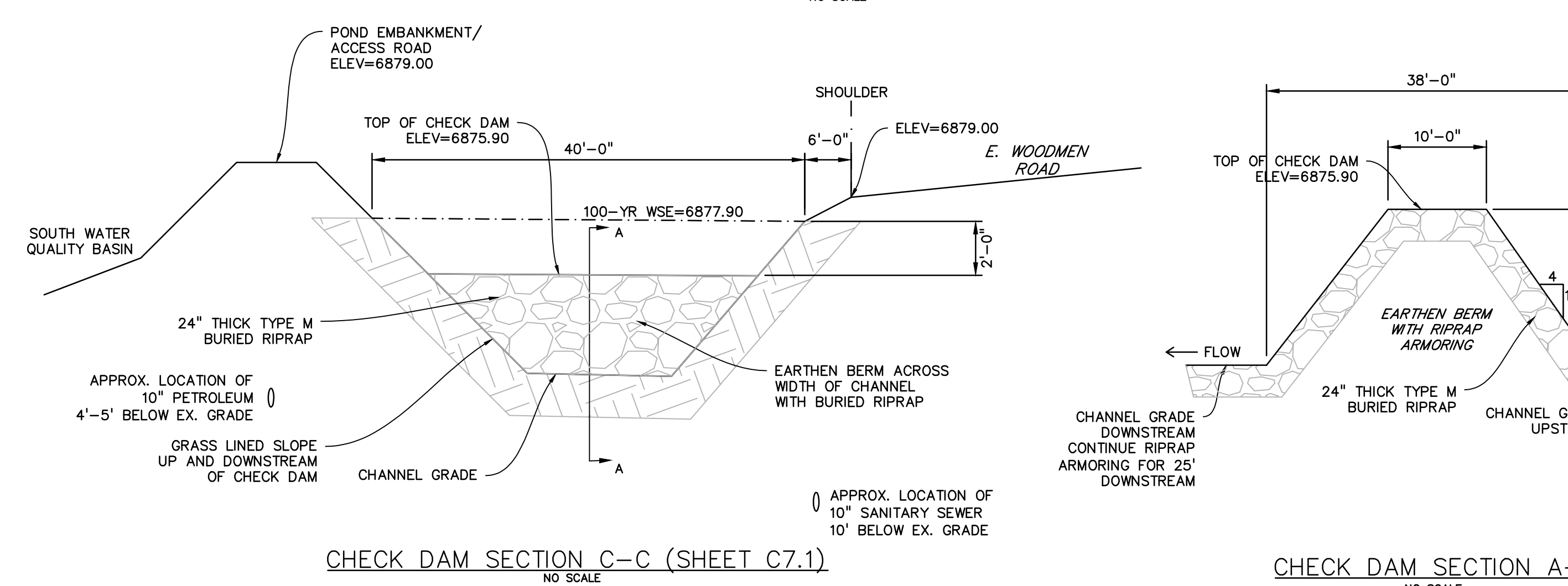
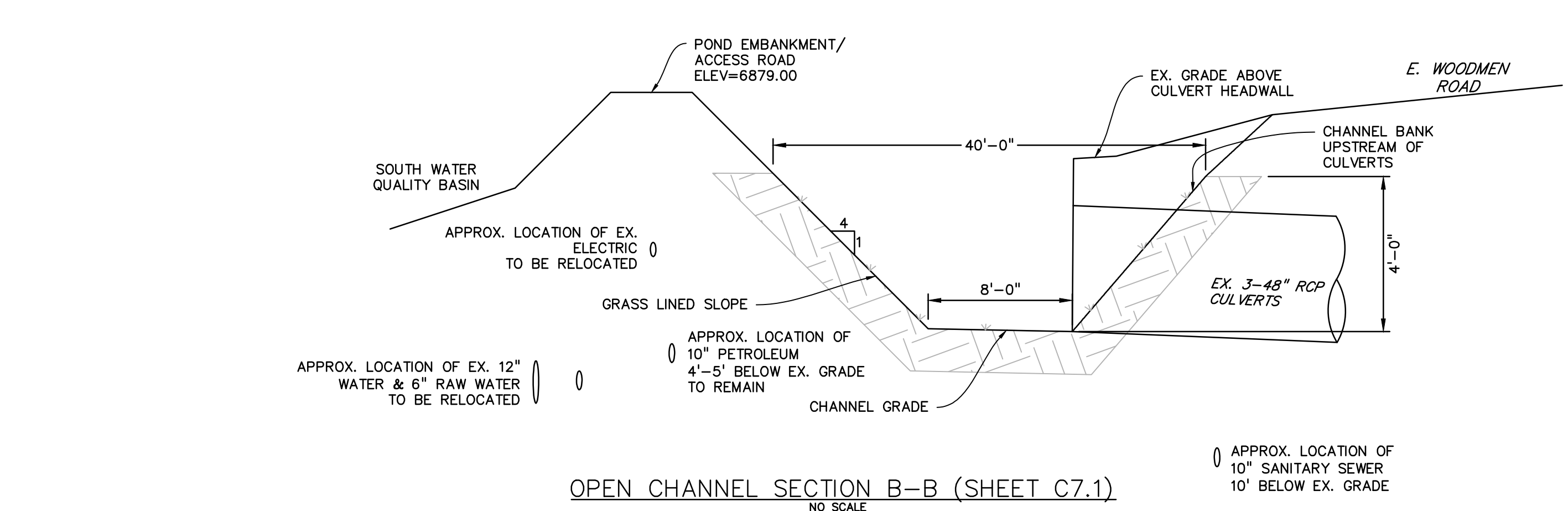
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**POND #1 (SR4) DETAILS**

PROJECT NO. 20988-00CSV  
 DRAWING NO.

**C7.5**





**GENERAL NOTES**

- CONCRETE SHALL BE CLASS B.
- HEADWALL SHALL BE PERPENDICULAR TO THE PIPE UNLESS OTHERWISE SHOWN ON THE SHEET. RELATED DIMENSIONS AND QUANTITIES MUST BE ADJUSTED FOR SKEWED INSTALLATIONS.
- FOR WINGWALL DETAILS, STANDARD PLAN WIDTHS SHALL BE ADJUSTED TO MATCH THE HEADWALL WIDTHS.
- VOLUME QUANTITIES FOR PIPE ARE BASED ON STANDARD PIPE SIZES AND CONCRETE QUANTITIES.
- EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 1/4" IN.
- ALL REINFORCING BARS SHALL HAVE A 3" MINIMUM CLEARANCE.
- WHEN TWO OR MORE PIPES ARE USED SIDE BY SIDE, THEY SHALL BE PLACED SO THAT THE ADJACENT PIPES WILL BE IN THEIR QUARTER APART OR 1/4" FROM THE CENTER OF EACH PIPE EXCLUDING WALL THICKNESS, WHICHEVER IS LESS.
- ADD 0.08 x 1/4" OR 0.13 x 1/4" WHEN APRON IS REQUIRED.

**QUANTITIES TABLES:**

HEADWALL FOR SINGLE PIPE		HEADWALL FOR DOUBLE PIPE	
SPAN	CONCRETE	SPAN	CONCRETE
12	1.00	12	1.00
15	1.50	15	1.50
18	2.00	18	2.00
21	2.50	21	2.50
24	3.00	24	3.00
27	3.50	27	3.50
30	4.00	30	4.00
33	4.50	33	4.50
36	5.00	36	5.00
39	5.50	39	5.50
42	6.00	42	6.00
45	6.50	45	6.50
48	7.00	48	7.00
51	7.50	51	7.50
54	8.00	54	8.00
57	8.50	57	8.50
60	9.00	60	9.00
63	9.50	63	9.50
66	10.00	66	10.00
69	10.50	69	10.50
72	11.00	72	11.00
75	11.50	75	11.50
78	12.00	78	12.00
81	12.50	81	12.50
84	13.00	84	13.00
87	13.50	87	13.50
90	14.00	90	14.00
93	14.50	93	14.50
96	15.00	96	15.00
99	15.50	99	15.50
102	16.00	102	16.00
105	16.50	105	16.50
108	17.00	108	17.00
111	17.50	111	17.50
114	18.00	114	18.00
117	18.50	117	18.50
120	19.00	120	19.00
123	19.50	123	19.50
126	20.00	126	20.00
129	20.50	129	20.50
132	21.00	132	21.00
135	21.50	135	21.50
138	22.00	138	22.00
141	22.50	141	22.50
144	23.00	144	23.00
147	23.50	147	23.50
150	24.00	150	24.00
153	24.50	153	24.50
156	25.00	156	25.00
159	25.50	159	25.50
162	26.00	162	26.00
165	26.50	165	26.50
168	27.00	168	27.00
171	27.50	171	27.50
174	28.00	174	28.00
177	28.50	177	28.50
180	29.00	180	29.00
183	29.50	183	29.50
186	30.00	186	30.00
189	30.50	189	30.50
192	31.00	192	31.00
195	31.50	195	31.50
198	32.00	198	32.00
201	32.50	201	32.50
204	33.00	204	33.00
207	33.50	207	33.50
210	34.00	210	34.00
213	34.50	213	34.50
216	35.00	216	35.00
219	35.50	219	35.50
222	36.00	222	36.00
225	36.50	225	36.50
228	37.00	228	37.00
231	37.50	231	37.50
234	38.00	234	38.00
237	38.50	237	38.50
240	39.00	240	39.00
243	39.50	243	39.50
246	40.00	246	40.00
249	40.50	249	40.50
252	41.00	252	41.00
255	41.50	255	41.50
258	42.00	258	42.00
261	42.50	261	42.50
264	43.00	264	43.00
267	43.50	267	43.50
270	44.00	270	44.00
273	44.50	273	44.50
276	45.00	276	45.00
279	45.50	279	45.50
282	46.00	282	46.00
285	46.50	285	46.50
288	47.00	288	47.00
291	47.50	291	47.50
294	48.00	294	48.00
297	48.50	297	48.50
300	49.00	300	49.00
303	49.50	303	49.50
306	50.00	306	50.00
309	50.50	309	50.50
312	51.00	312	51.00
315	51.50	315	51.50
318	52.00	318	52.00
321	52.50	321	52.50
324	53.00	324	53.00
327	53.50	327	53.50
330	54.00	330	54.00
333	54.50	333	54.50
336	55.00	336	55.00
339	55.50	339	55.50
342	56.00	342	56.00
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354	58.00	354	58.00
357	58.50	357	58.50
360	59.00	360	59.00
363	59.50	363	59.50
366	60.00	366	60.00
369	60.50	369	60.50
372	61.00	372	61.00
375	61.50	375	61.50
378	62.00	378	62.00
381	62.50	381	62.50
384	63.00	384	63.00
387	63.50	387	63.50
390	64.00	390	64.00
393	64.50	393	64.50
396	65.00	396	65.00
399	65.50	399	65.50
402	66.00	402	66.00
405	66.50	405	66.50
408	67.00	408	67.00
411	67.50	411	67.50
414	68.00	414	68.00
417	68.50	417	68.50
420	69.00	420	69.00
423	69.50	423	69.50
426	70.00	426	70.00
429	70.50	429	70.50
432	71.00	432	71.00
435	71.50	435	71.50
438	72.00	438	72.00
441	72.50	441	72.50
444	73.00	444	73.00
447	73.50	447	73.50
450	74.00	450	74.00
453	74.50	453	74.50
456	75.00	456	75.00
459	75.50	459	75.50
462	76.00	462	76.00
465	76.50	465	76.50
468	77.00	468	77.00
471	77.50	471	77.50
474	78.00	474	78.00
477	78.50	477	78.50
480	79.00	480	79.00
483	79.50	483	79.50
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489	80.50	489	80.50
492	81.00	492	81.00
495	81.50	495	81.50
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501	82.50	501	82.50
504	83.00	504	83.00
507	83.50	507	83.50
510	84.00	510	84.00
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516	85.00	516	85.00
519	85.50	519	85.50
522	86.00	522	86.00
525	86.50	525	86.50
528	87.00	528	87.00
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537	88.50	537	88.50
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573	94.50	573	94.50
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579	95.50	579	95.50
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585	96.50	585	96.50
588	97.00	588	97.00
591	97.50	591	97.50
594	98.00	594	98.00
597	98.50	597	98.50
600	99.00	600	99.00
603	99.50	603	99.50
606	100.00	606	100.00

**GENERAL NOTES**

- ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 1/4" IN.
- MINORAL FOOTINGS AND FLOOR OF BOX CULVERTS SHALL BE PLACED MINORALY.
- CONCRETE FOR TOP FLOOR SHALL BE 1/2" HIGHER THAN MINORAL WALLS.
- REINFORCING STEEL SHALL BE SHOWN ON THE PLANS.
- THE MINIMAL SPAN LENGTH FOR COMMON BAR SIZES SHALL BE:

BAR	#4	#5	#6
SPAN LENGTH	2'-0"	2'-0"	2'-0"

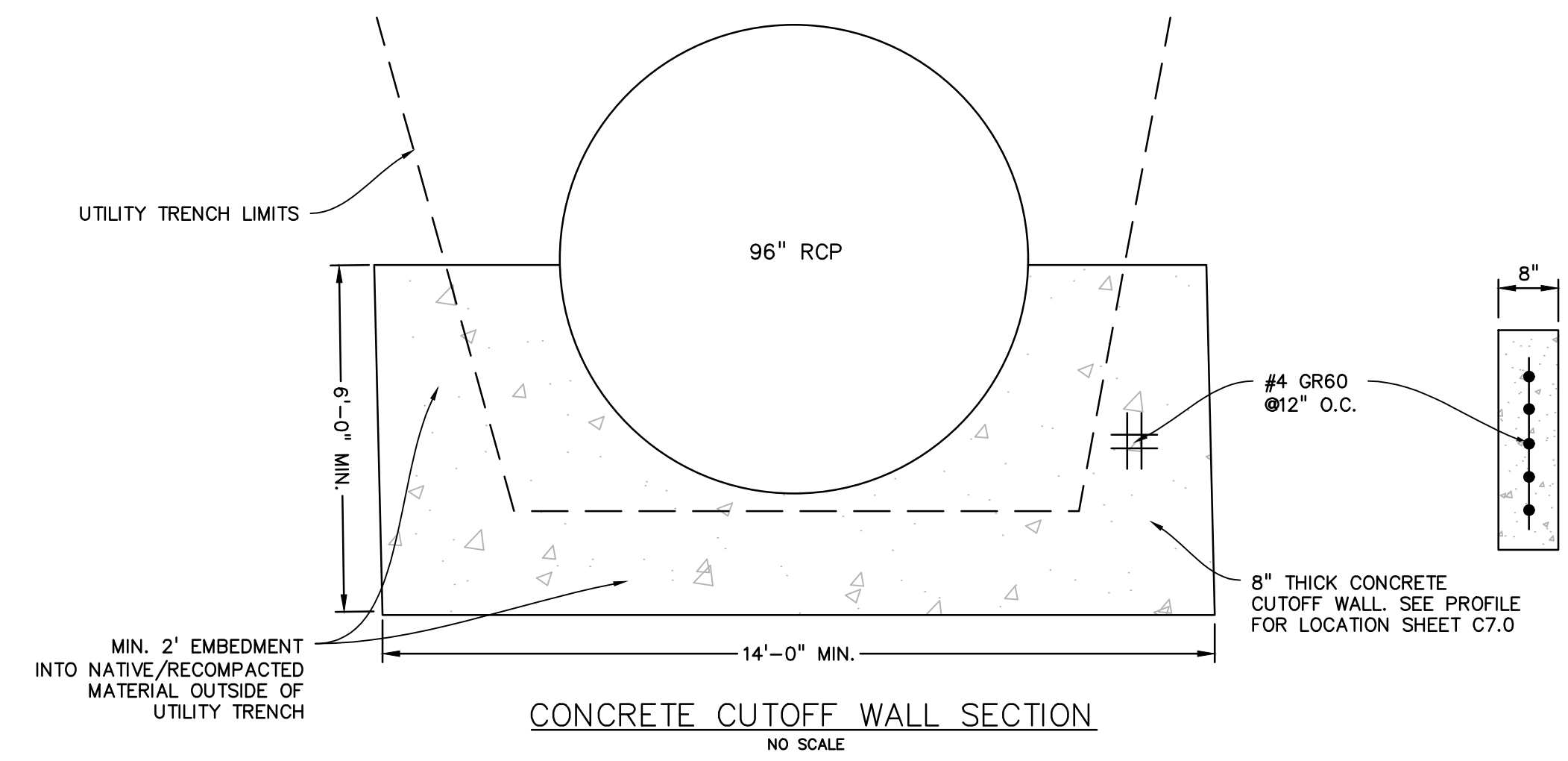
**DESIGN TABLE**

DESIGN FOR	DESIGN FOOTING LINE	CONSTRUCTION FOOTING LINE	DESIGN ELEVATION
WITH TOE WALL <td>1'-0"</td> <td>1'-0"</td> <td>1'-0"</td>	1'-0"	1'-0"	1'-0"
WITH CONCRETE APRON <td>1'-0"</td> <td>1'-0"</td> <td>1'-0"</td>	1'-0"	1'-0"	1'-0"

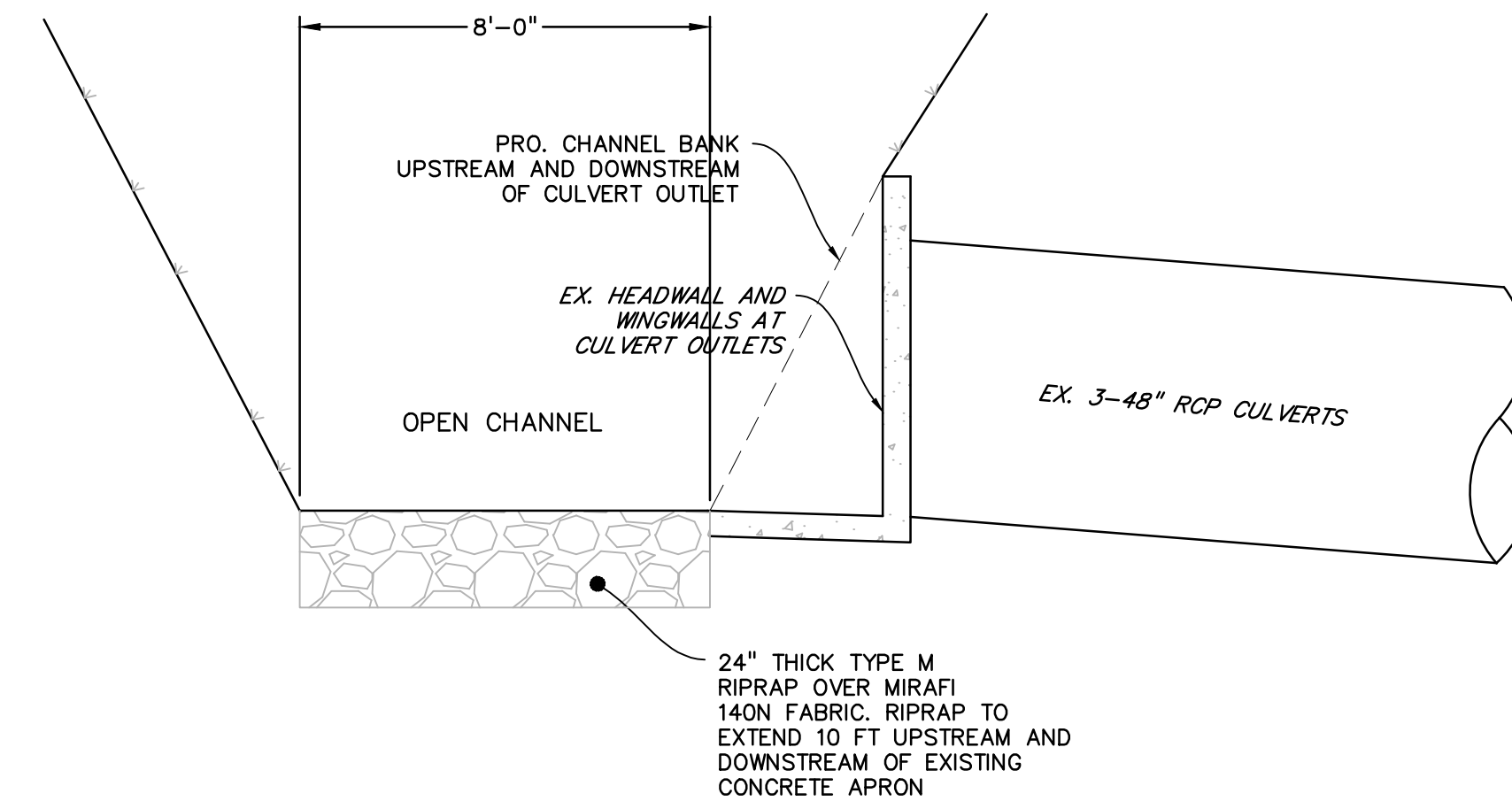
**QUANTITIES FOR THE WALL ONLY**

CONCRETE	STEEL
1.00	1.00
1.50	1.50
2.00	2.00
2.50	2.50
3.00	3.00
3.50	3.50
4.00	4.00
4.50	4.50
5.00	5.00
5.50	5.50
6.00	6.00
6.50	6.50
7.00	7.00
7.50	7.50
8.00	8.00
8.50	8.50
9.00	9.00
9.50	9.50
10.00	10.00
10.50	10.50
11.00	11.00
11.50	11.50
12.00	12.00
12.50	12.50
13.00	13.00
13.50	13.50
14.00	14.00
14.50	14.50
15.00	15.00
15.50	15.50
16.00	16.00
16.50	16.50
17.00	17.00
17.50	17.50
18.00	18.00
18.50	18.50
19.00	19.00
19.50	19.50
20.00	20.00
20.50	20.50
21.00	21.00
21.50	21.50
22.00	22.00
22.50	22.50
23.00	23.00
23.50	23.50
24.00	24.00
24.50	24.50
25.00	25.00
25.50	25.50
26.00	26.00
26.50	26.50
27.00	27.00
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33.00	33.00
33.50	33.50
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36.00	36.00
36.50	36.50
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41.50	41.50
42.00	42.00
42.50	42.50
43.00	43.00
43.50	43.50
44.00	44.00
44.50	44.50
45.00	45.00
45.50	45.50
46.00	46.00
46.50	46.50
47.00	47.00
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48.00	48.00
48.50	48.50
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49.50	49.50
50.00	50.00

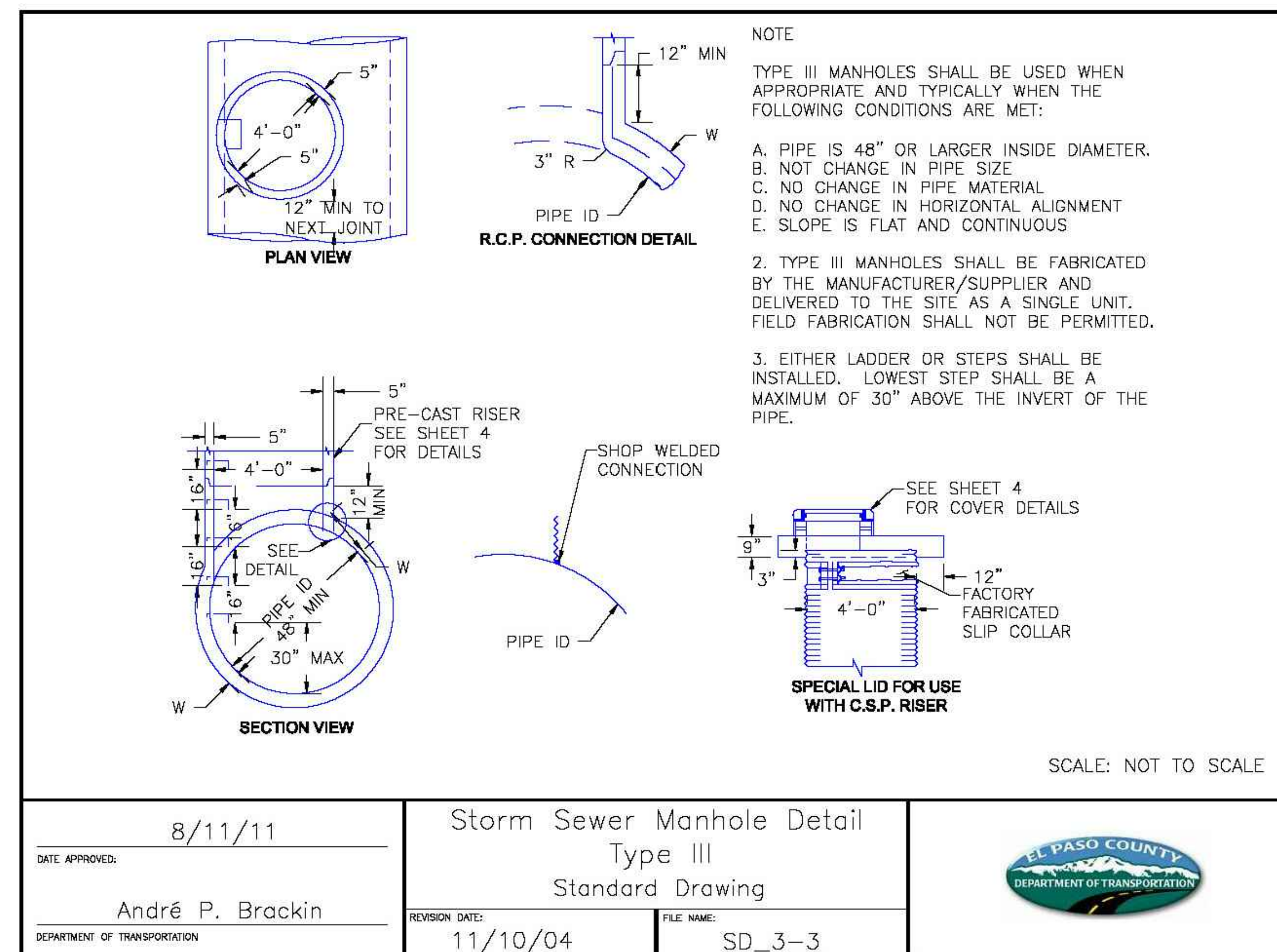




CONCRETE CUTOFF WALL SECTION  
NO SCALE

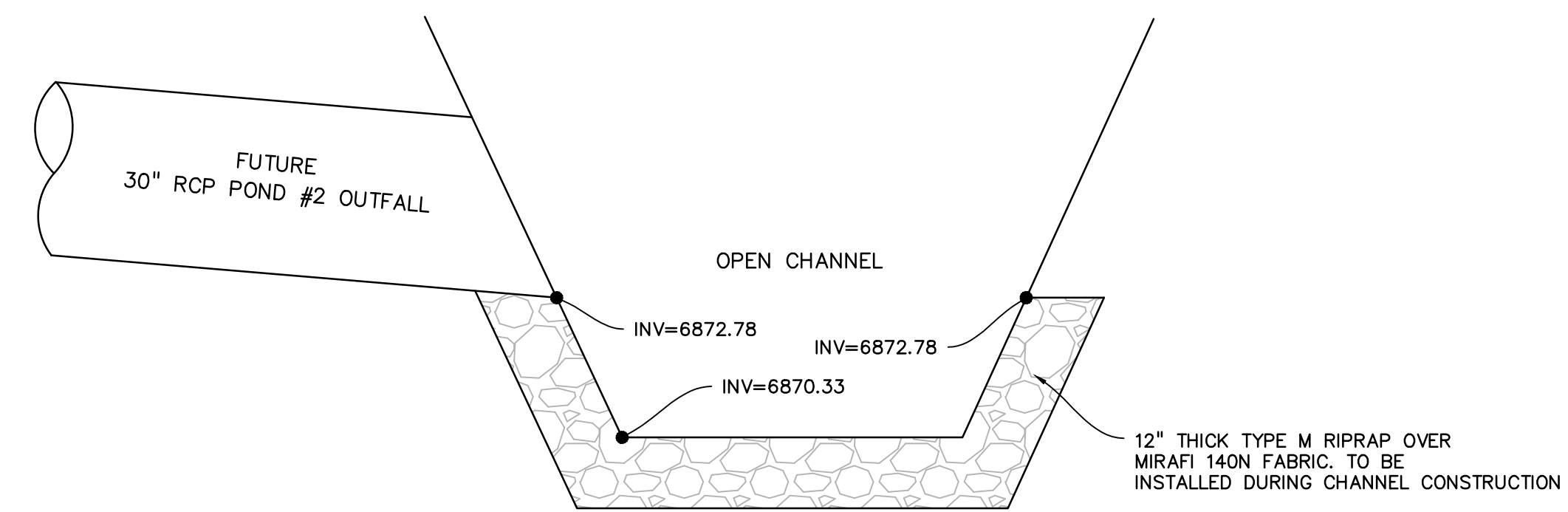


RIPRAP OUTLET PROTECTION AT EXISTING CULVERTS  
SECTION B-B & E-E (SHEET C7.1)  
NO SCALE



SCALE: NOT TO SCALE

DATE APPROVED: 8/11/11 André P. Brackin DEPARTMENT OF TRANSPORTATION	Storm Sewer Manhole Detail Type III Standard Drawing REVISION DATE: 11/10/04 FILE NAME: SD_3-3	
-------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------	--



POND #2 OUTFALL TO OPEN CHANNEL  
SECTION D-D (SHEET C7.1)  
NO SCALE

PREPARED BY:  
  
DREXEL, BARRELL & CO.  
Engineers-Surveyors  
3 SOUTH 7TH STREET  
COLORADO SPGS, COLORADO 80905  
CONTACT: TIM D. McCONNELL, P.E.  
(719)260-0887  
BOULDER • COLORADO SPRINGS

CLIENT:  
**HUMMEL INVESTMENTS, LLC**  
8117 PRESTON ROAD, SUITE 120  
DALLAS, TEXAS 75225  
(214) 416-9820

OVERLOT GRADING, POND SR4 & UTILITY  
CONSTRUCTION DRAWINGS FOR  
**FALCON  
MARKETPLACE**  
FALCON, COLORADO

ISSUE	DATE
1ST SUBMITTAL	6-20-17
RESUBMITTAL	8-13-18
DESIGNED BY:	TDM
DRAWN BY:	KGW
CHECKED BY:	TDM
FILE NAME:	

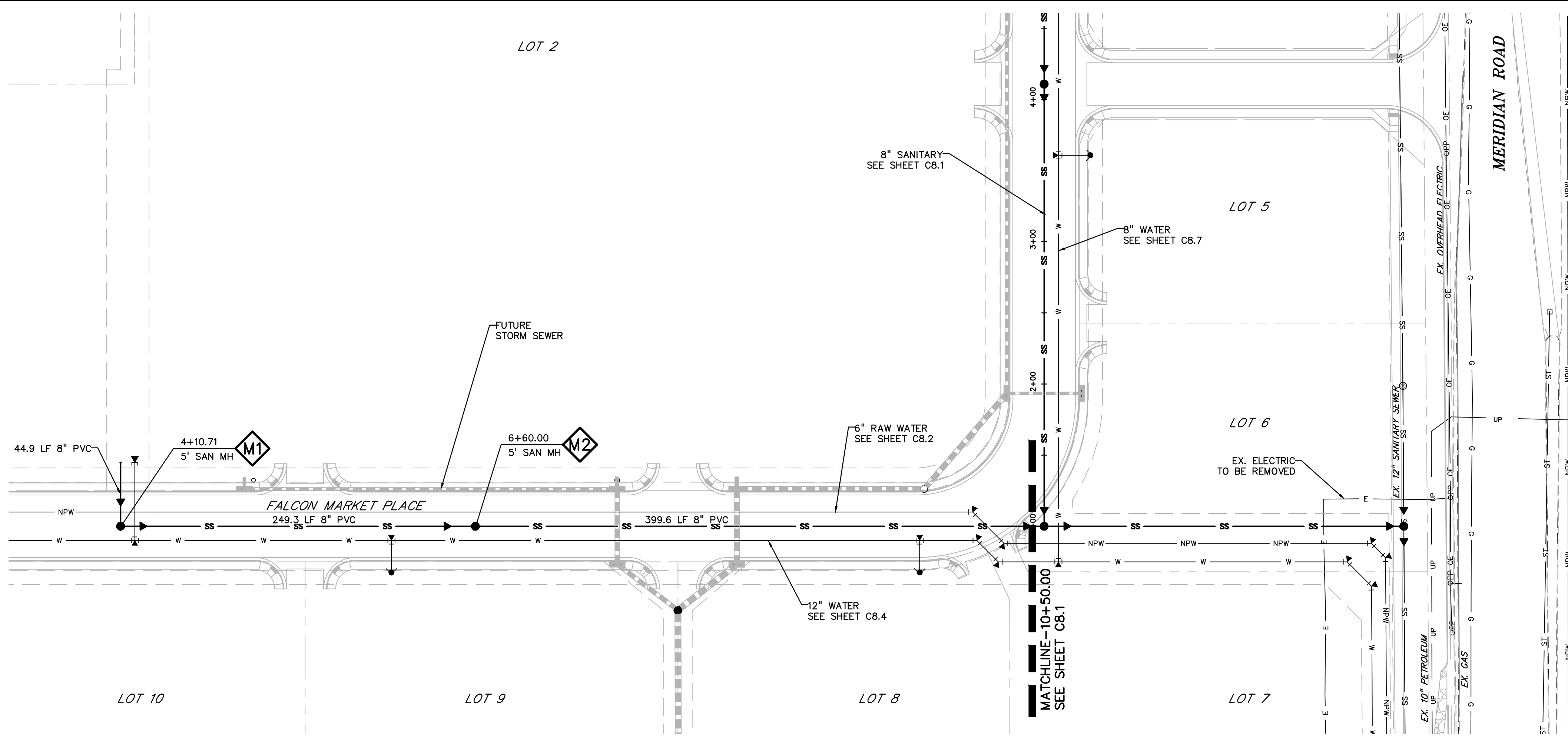
PREPARED UNDER MY DIRECT  
SUPERVISION FOR AND ON BEHALF  
OF DREXEL, BARRELL & CO.  
DRAWING SCALE:  
HORIZONTAL: N/A  
VERTICAL: N/A

**STORM SEWER  
DETAILS**

PROJECT NO. 20988-00CSCV  
DRAWING NO.

**C7.7**





**LEGEND**

- PROPERTY LINE . . . . .
- LOT LINE . . . . .
- EASEMENT . . . . .
- CURB & GUTTER . . . . .
- SIDEWALK . . . . .
- PRO. WATER LINE . . . . . W
- PRO. FIRE HYDRANT . . . . .
- PRO. RAW WATER . . . . . NPW
- PRO. SANITARY SEWER . . . . . SS
- PRO. STORM SEWER . . . . .
- EX. OVERHEAD ELECTRIC . . . . . OE
- EX. SANITARY SEWER . . . . . SS
- EX. PETROLEUM . . . . . UP
- EX. GAS . . . . . G
- EX. RAW WATER . . . . . NPW
- EX. WATER . . . . . W
- EX. STORM SEWER . . . . . ST

**KEY MAP**  
NTS

SCALE: 1"=50'

PREPARED BY:  
  
**DREXEL, BARRELL & CO.**  
 Engineers-Surveyors  
 3 SOUTH 7TH STREET  
 COLORADO SPRINGS, COLORADO 80905  
 CONTACT: TIM D. McCONNELL, P.E.  
 (719)260-0887  
 BOULDER • COLORADO SPRINGS

CLIENT:  
**HUMMEL INVESTMENTS, LLC**  
 8117 PRESTON ROAD, SUITE 120  
 DALLAS, TEXAS 75225  
 (214) 416-9820

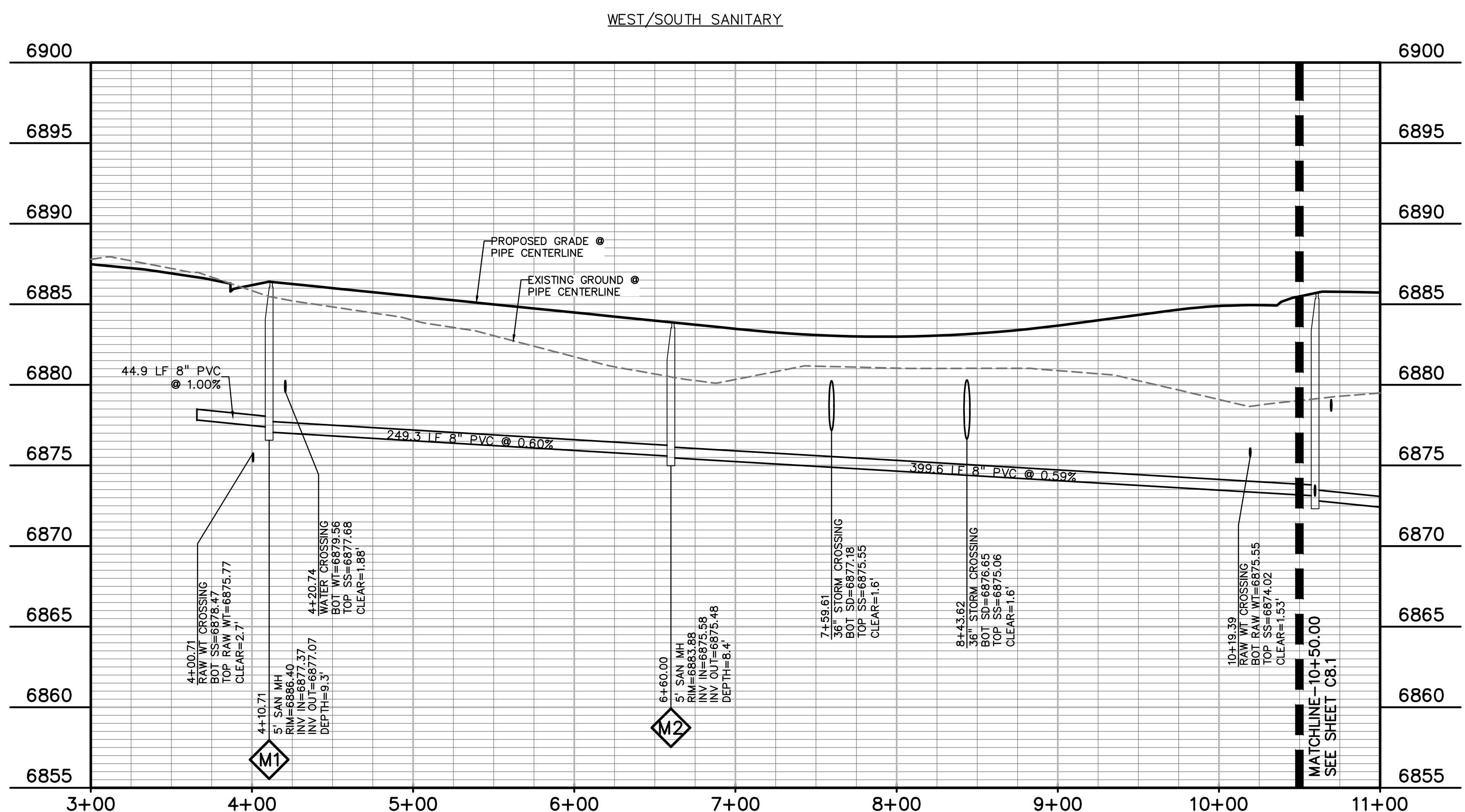
OVERLOT GRADING, POND SR4 & UTILITY  
 CONSTRUCTION DRAWINGS FOR  
**FALCON MARKETPLACE**  
 FALCON, COLORADO

ISSUE	DATE
1ST SUBMITTAL	6-20-17
RESUBMITTAL	8-13-18
DESIGNED BY:	SBN
DRAWN BY:	SBN
CHECKED BY:	TDM
FILE NAME:	

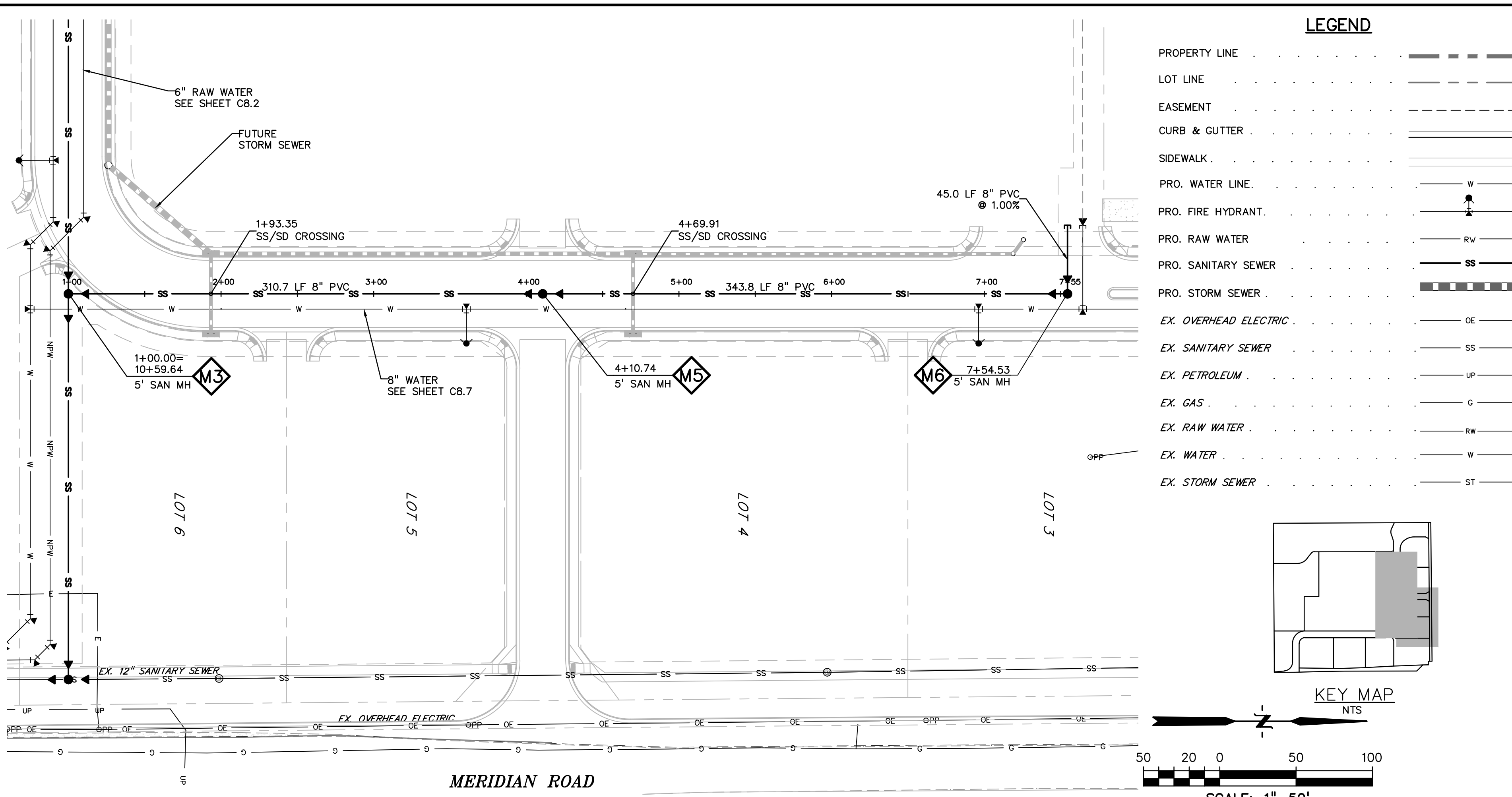
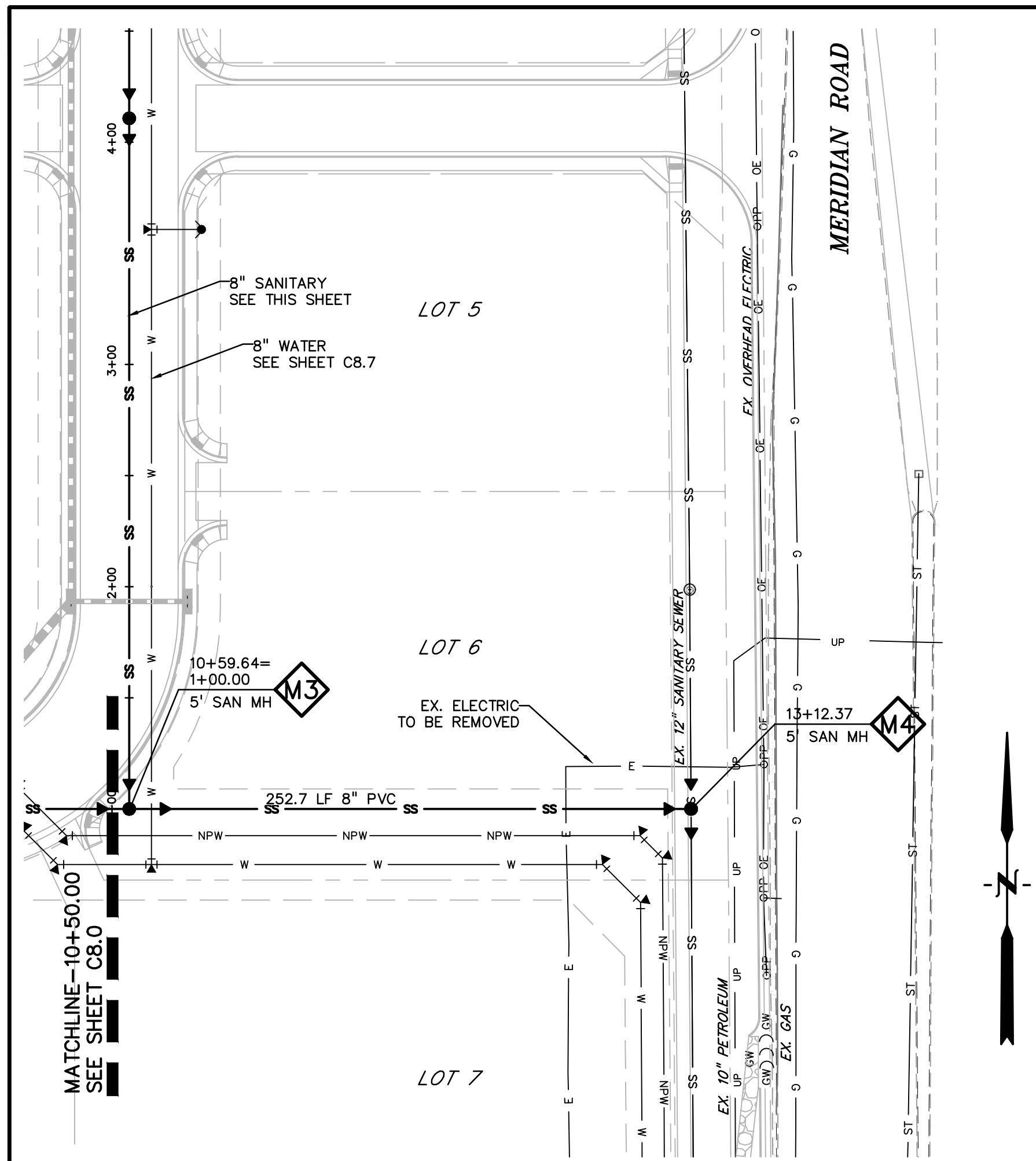
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.  
 DRAWING SCALE:  
 HORIZONTAL: 1"=50'  
 VERTICAL: 1"=5'

**SANITARY SEWER PLAN & PROFILE**  
 PROJECT NO. 20988-00CSCV  
 DRAWING NO.

**C8.0**

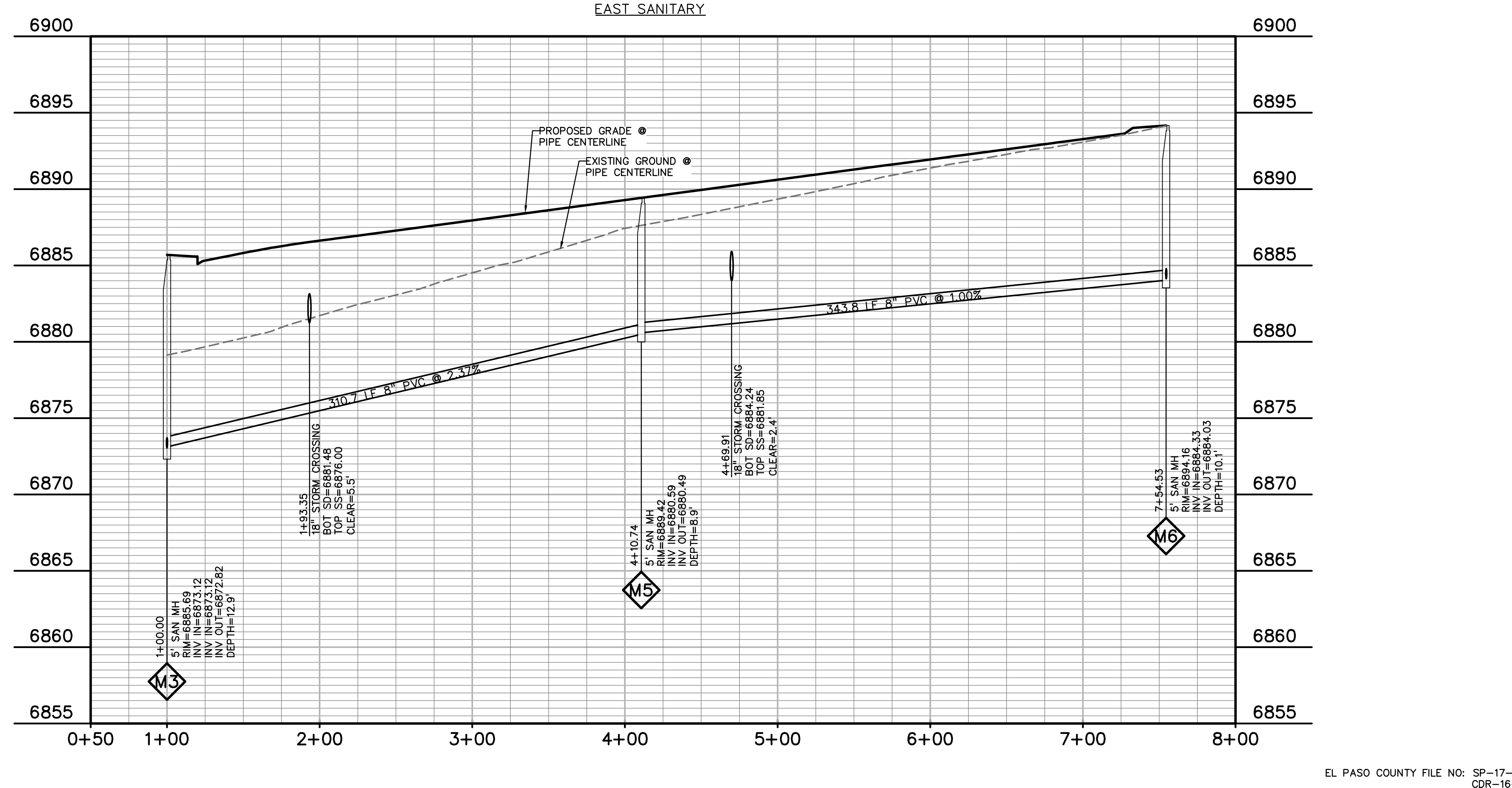
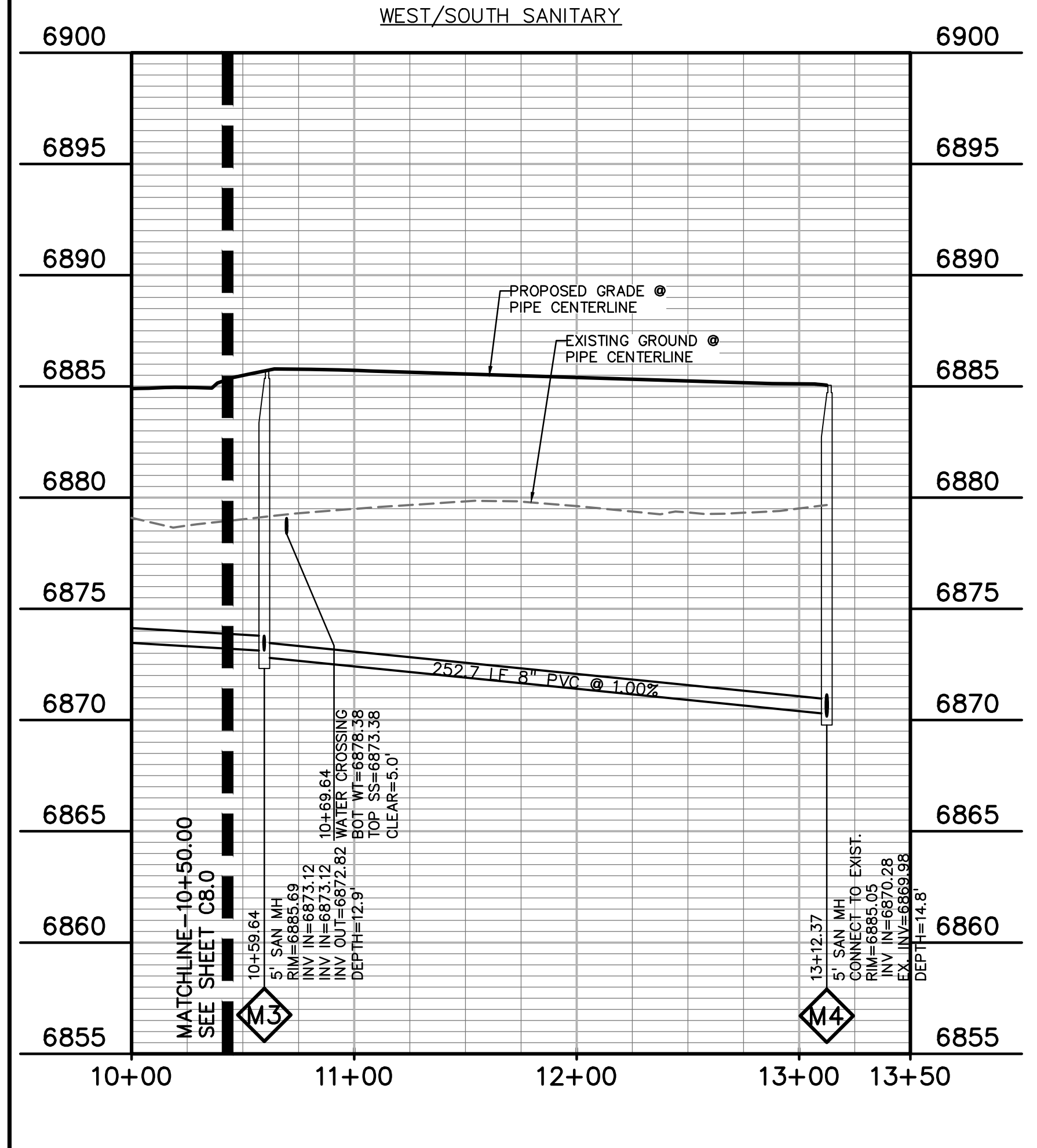
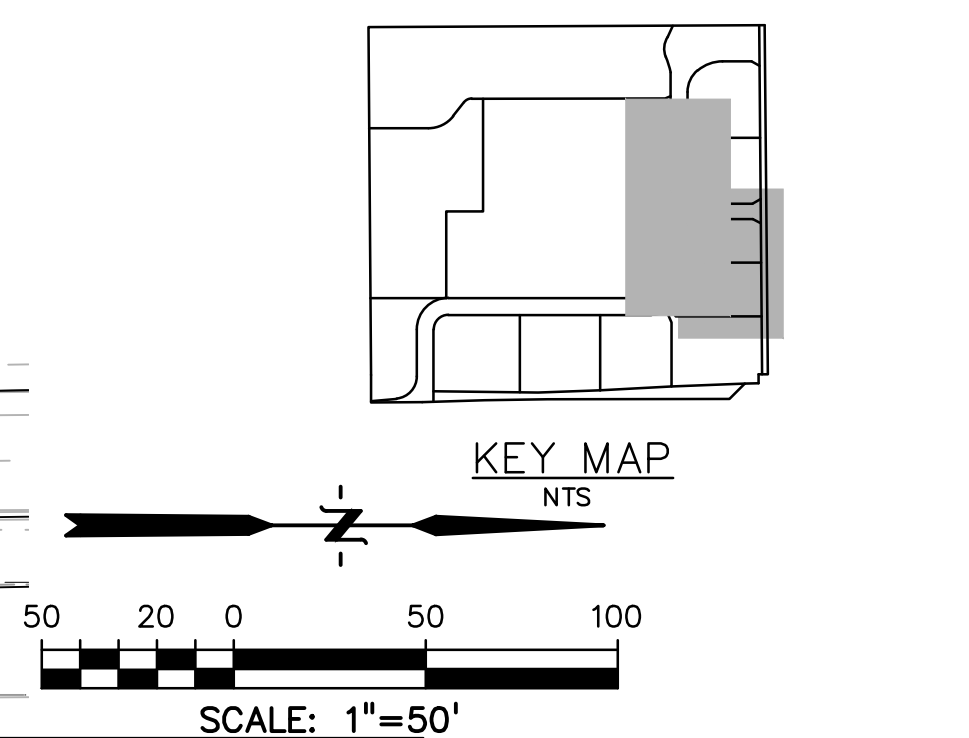






**LEGEND**

PROPERTY LINE	---
LOT LINE	---
EASEMENT	---
CURB & GUTTER	---
SIDEWALK	---
PRO. WATER LINE	W
PRO. FIRE HYDRANT	+
PRO. RAW WATER	RW
PRO. SANITARY SEWER	SS
PRO. STORM SEWER	SS
EX. OVERHEAD ELECTRIC	OE
EX. SANITARY SEWER	SS
EX. PETROLEUM	UP
EX. GAS	G
EX. RAW WATER	RW
EX. WATER	W
EX. STORM SEWER	ST



PREPARED BY:  
  
**DREXEL, BARRELL & CO.**  
 Engineers-Surveyors  
 3 SOUTH 7TH STREET  
 COLORADO SPGS, COLORADO 80905  
 CONTACT: TIM D. McCONNELL, P.E.  
 (719)260-0887  
 BOULDER • COLORADO SPRINGS

CLIENT:  
**HUMMEL INVESTMENTS, LLC**  
 8117 PRESTON ROAD, SUITE 120  
 DALLAS, TEXAS 75225  
 (214) 416-9820

OVERLOT GRADING, POND, SR4 & UTILITY  
 CONSTRUCTION DRAWINGS FOR  
**FALCON MARKETPLACE**  
 FALCON, COLORADO

ISSUE	DATE
1ST SUBMITTAL	6-20-17
RESUBMITTAL	8-13-18
DESIGNED BY:	SBN
DRAWN BY:	SBN
CHECKED BY:	TDM
FILE NAME:	

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.  
 DRAWING SCALE:  
 HORIZONTAL: 1"=50'  
 VERTICAL: 1"=5'

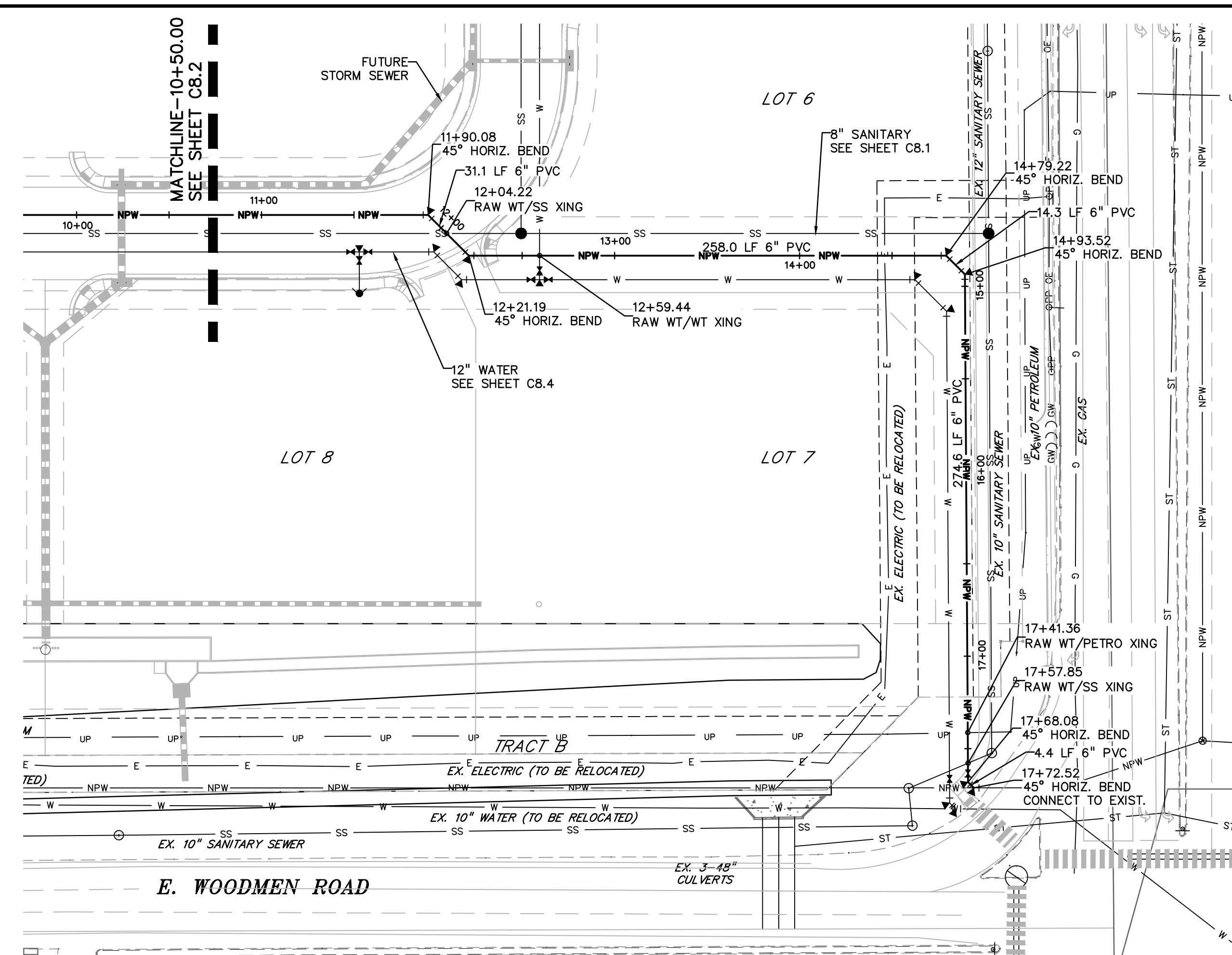
**SANITARY SEWER PLAN & PROFILE**  
 PROJECT NO. 20988--00CSCV  
 DRAWING NO.

**C8.1**  
 SHEET: 16 OF 26









**LEGEND**

- PROPERTY LINE . . . . .
- LOT LINE . . . . .
- EASEMENT . . . . .
- CURB & GUTTER . . . . .
- SIDEWALK . . . . .
- PRO. WATER LINE . . . . .
- PRO. FIRE HYDRANT . . . . .
- PRO. RAW WATER . . . . .
- PRO. SANITARY SEWER . . . . .
- PRO. STORM SEWER . . . . .
- EX. OVERHEAD ELECTRIC . . . . .
- EX. SANITARY SEWER . . . . .
- EX. PETROLEUM . . . . .
- EX. GAS . . . . .
- EX. RAW WATER . . . . .
- EX. WATER . . . . .
- EX. STORM SEWER . . . . .

SCALE: 1"=50'

KEY MAP NTS

PREPARED BY:

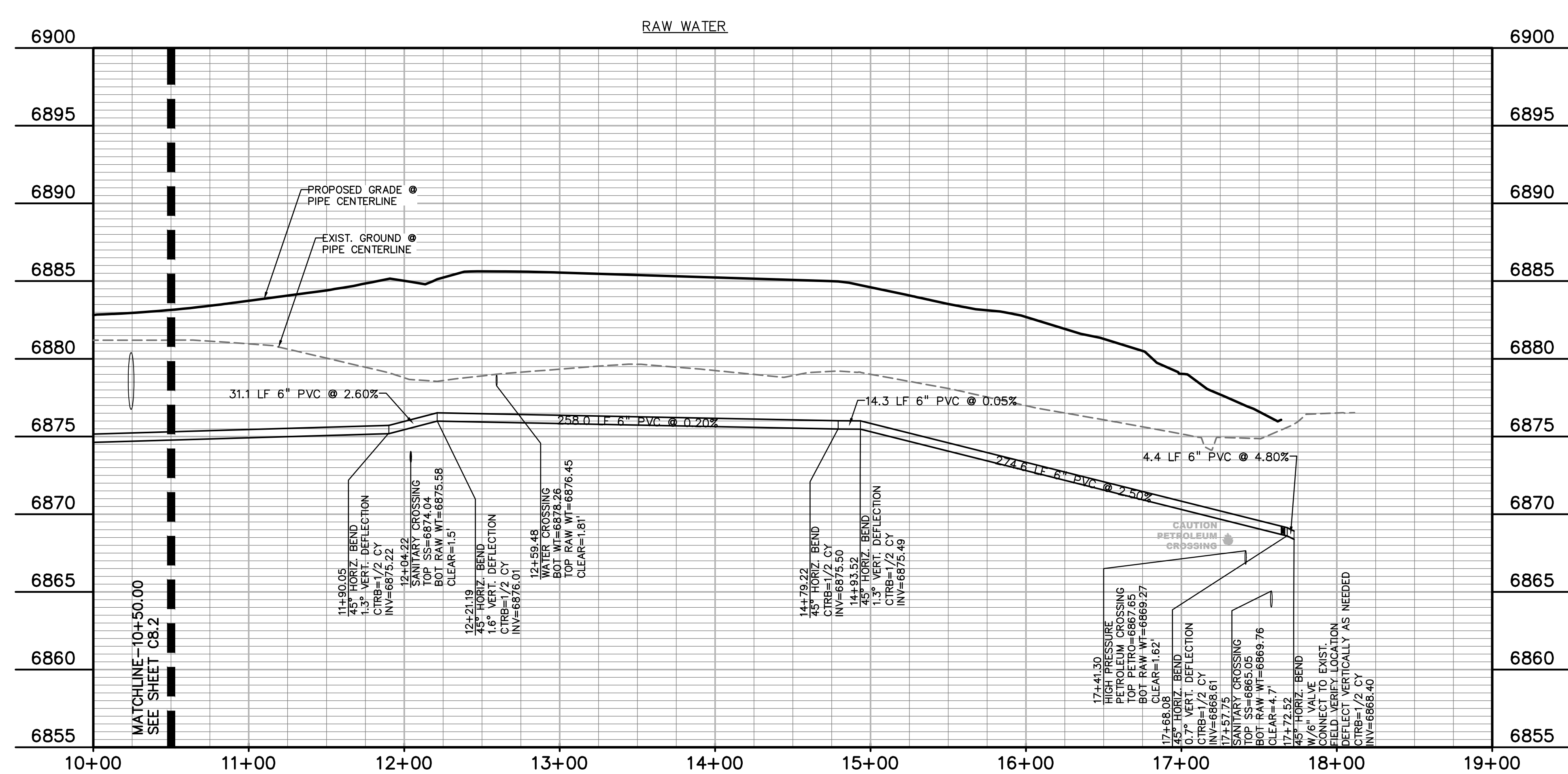
**DREXEL, BARRELL & CO.**  
Engineers-Surveyors  
3 SOUTH 7TH STREET  
COLORADO SPGS, COLORADO 80905  
CONTACT: TIM D. MCCONNELL, P.E.  
(719)260-0887  
BOULDER • COLORADO SPRINGS

CLIENT:

**HUMMEL INVESTMENTS, LLC**  
8117 PRESTON ROAD, SUITE 120  
DALLAS, TEXAS 75225  
(214) 416-9820

OVERLOT GRADING, POND SR4 & UTILITY  
CONSTRUCTION DRAWINGS FOR

**FALCON  
MARKETPLACE**  
FALCON, COLORADO



EL PASO COUNTY FILE NO: SP-17-001  
CDR-16-007

ISSUE	DATE
1ST SUBMITTAL	6-20-17
RESUBMITTAL	8-13-18
DESIGNED BY:	SBN
DRAWN BY:	SBN
CHECKED BY:	TDM
FILE NAME:	

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

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

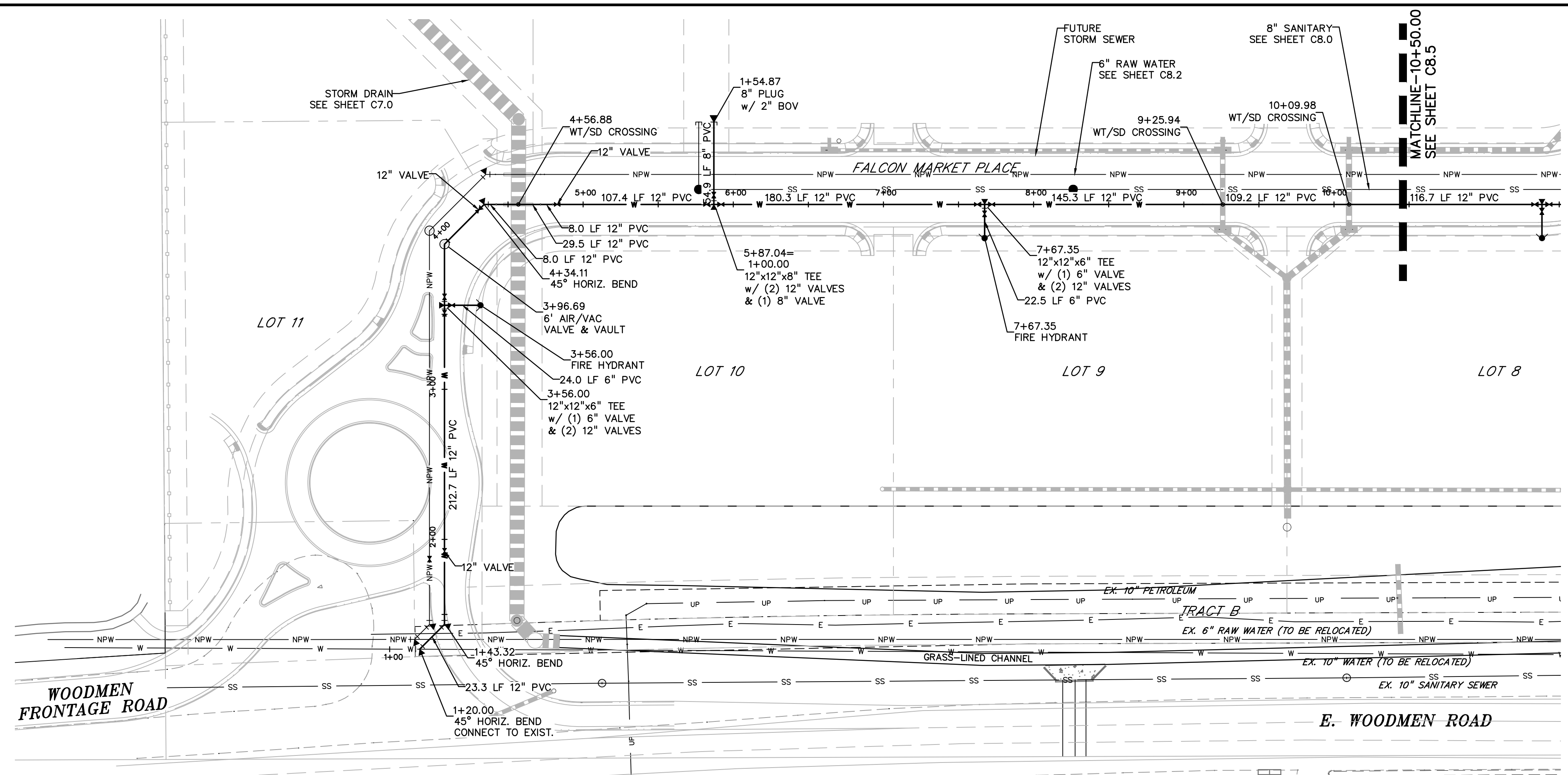
**RAW WATER  
PLAN & PROFILE**

PROJECT NO. 20988-00CSCV  
DRAWING NO.

**C8.3**

SHEET: 18 OF 26





**LEGEND**

- PROPERTY LINE
- LOT LINE
- EASEMENT
- CURB & GUTTER
- SIDEWALK
- PRO. WATER LINE
- PRO. FIRE HYDRANT
- PRO. RAW WATER
- PRO. SANITARY SEWER
- PRO. STORM SEWER
- EX. OVERHEAD ELECTRIC
- EX. SANITARY SEWER
- EX. PETROLEUM
- EX. GAS
- EX. RAW WATER
- EX. WATER
- EX. STORM SEWER

SCALE: 1"=50'

KEY MAP NTS

PREPARED BY:  
  
**DREXEL, BARRELL & CO.**  
 Engineers-Surveyors  
 3 SOUTH 7TH STREET  
 COLORADO SPGS, COLORADO 80905  
 CONTACT: TIM D. MCCONNELL, P.E.  
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 BOULDER • COLORADO SPRINGS

CLIENT:  
**HUMMEL INVESTMENTS, LLC**  
 8117 PRESTON ROAD, SUITE 120  
 DALLAS, TEXAS 75225  
 (214) 416-9820

OVERLOT GRADING, POND SR4 & UTILITY  
 CONSTRUCTION DRAWINGS FOR  
**FALCON  
 MARKETPLACE**  
 FALCON, COLORADO

ISSUE	DATE
1ST SUBMITTAL	6-20-17
RESUBMITTAL	8-13-18
DESIGNED BY:	SBN
DRAWN BY:	SBN
CHECKED BY:	TDM
FILE NAME:	

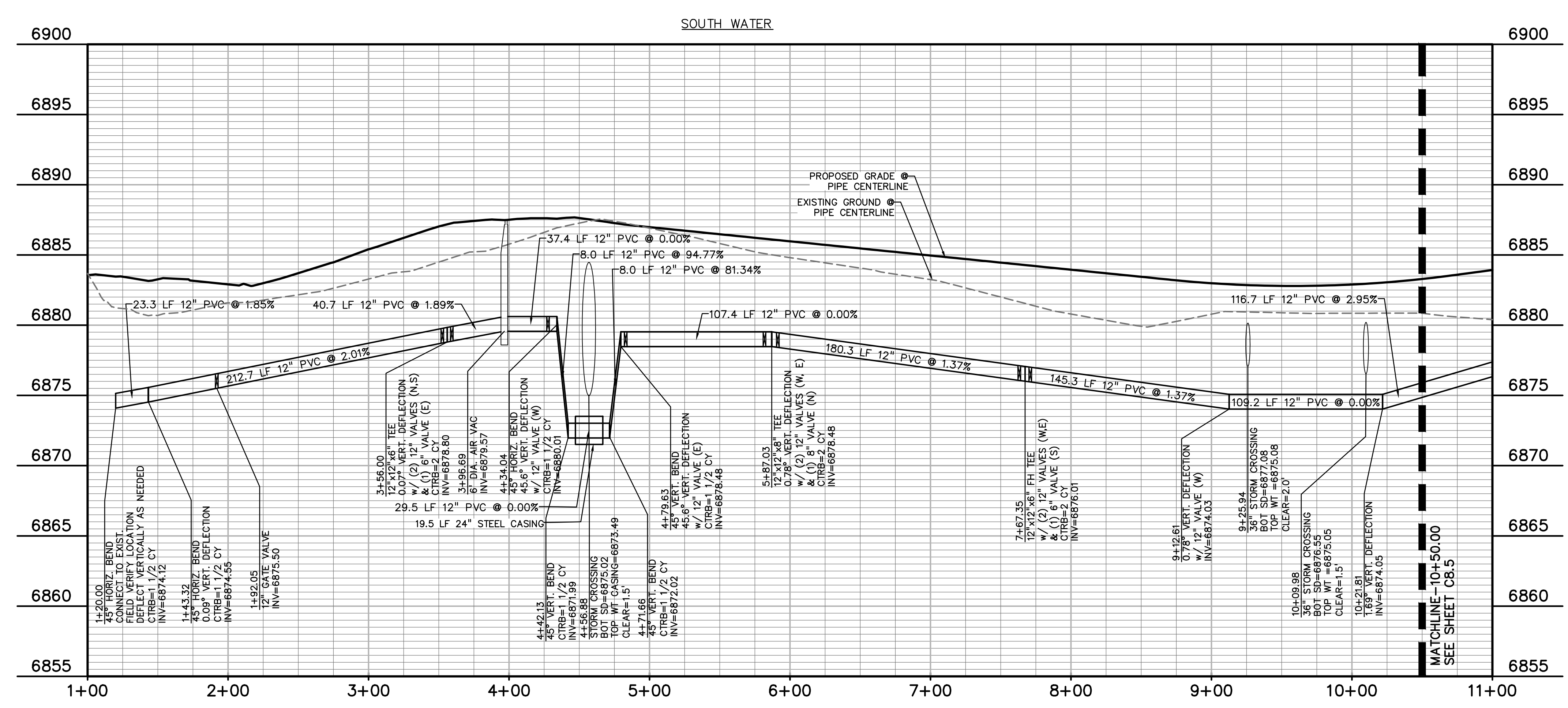
PREPARED UNDER MY DIRECT  
 SUPERVISION FOR AND ON BEHALF  
 OF DREXEL, BARRELL & CO.

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

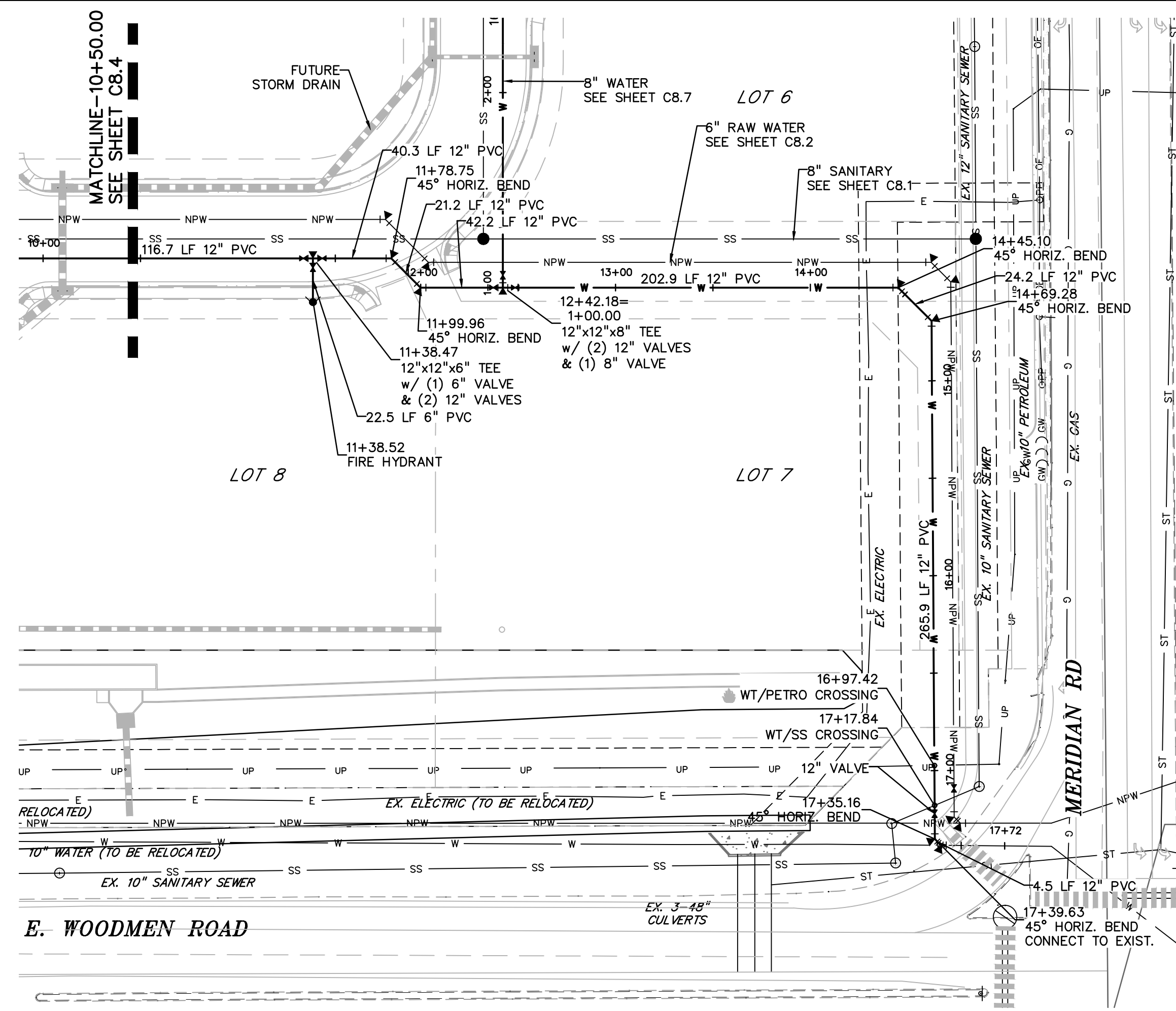
**WATER  
 PLAN & PROFILE**

PROJECT NO. 20988-00CSCV  
 DRAWING NO.

**C8.4**

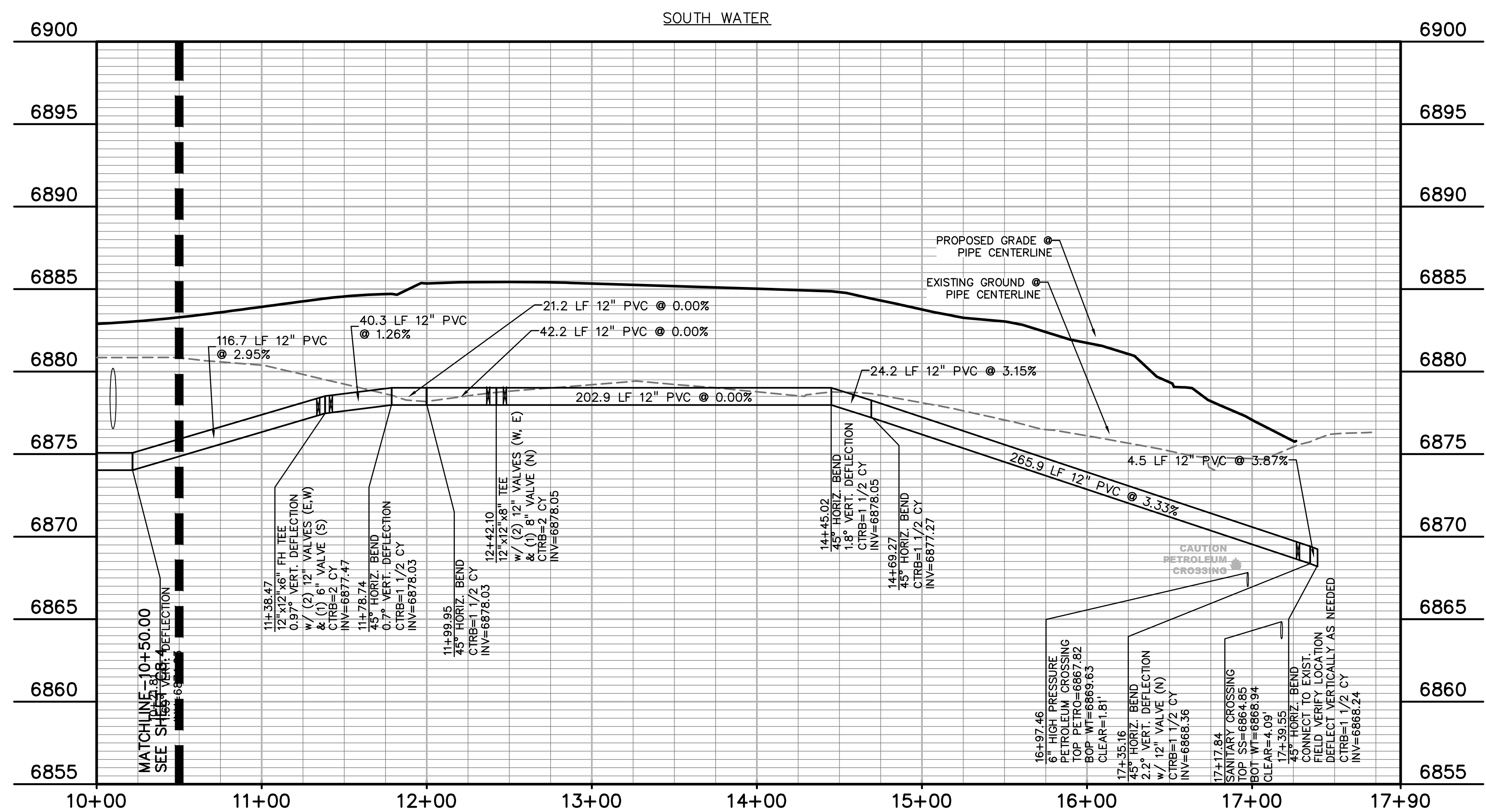
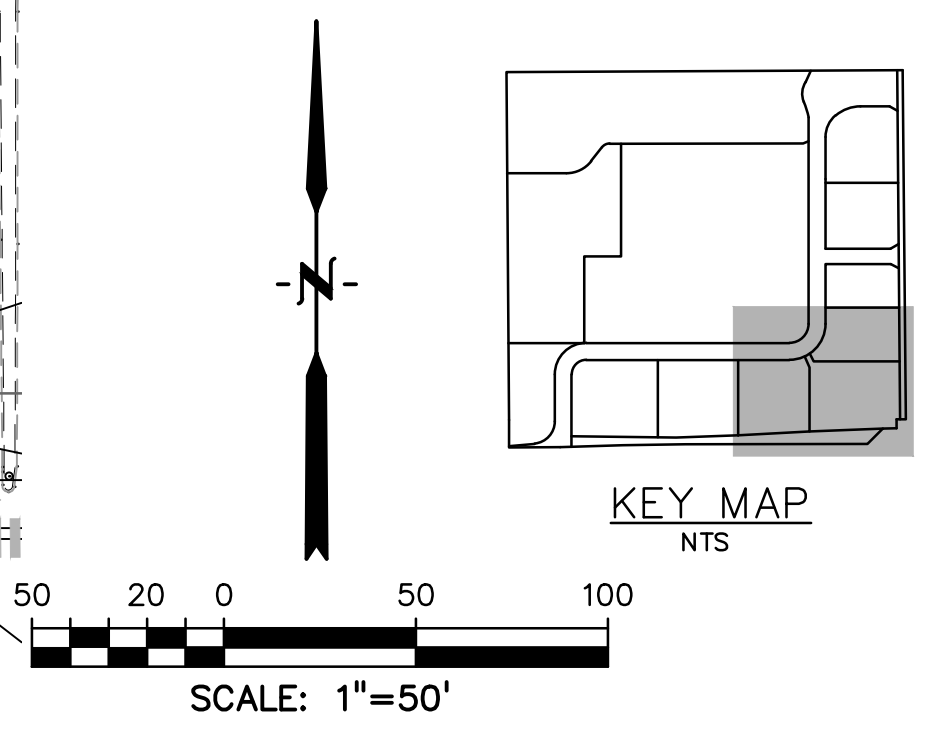






**LEGEND**

PROPERTY LINE	---
LOT LINE	----
EASEMENT	.....
CURB & GUTTER	=====
SIDEWALK	=====
PRO. WATER LINE	—W—
PRO. FIRE HYDRANT	—FH—
PRO. RAW WATER	—NPW—
PRO. SANITARY SEWER	—SS—
PRO. STORM SEWER	—ST—
EX. OVERHEAD ELECTRIC	—OE—
EX. SANITARY SEWER	—SS—
EX. PETROLEUM	—UP—
EX. GAS	—G—
EX. RAW WATER	—NPW—
EX. WATER	—W—
EX. STORM SEWER	—ST—



PREPARED BY:  
  
**DREXEL, BARRELL & CO.**  
 Engineers • Surveyors  
 3 SOUTH 7TH STREET  
 COLORADO SPGS, COLORADO 80905  
 CONTACT: TIM D. McCONNELL, P.E.  
 (719)260-0887  
 BOULDER • COLORADO SPRINGS

CLIENT:  
**HUMMEL INVESTMENTS, LLC**  
 8117 PRESTON ROAD, SUITE 120  
 DALLAS, TEXAS 75225  
 (214) 416-9820

OVERLOT GRADING, POND SR4 & UTILITY  
 CONSTRUCTION DRAWINGS FOR  
**FALCON  
 MARKETPLACE**  
 FALCON, COLORADO

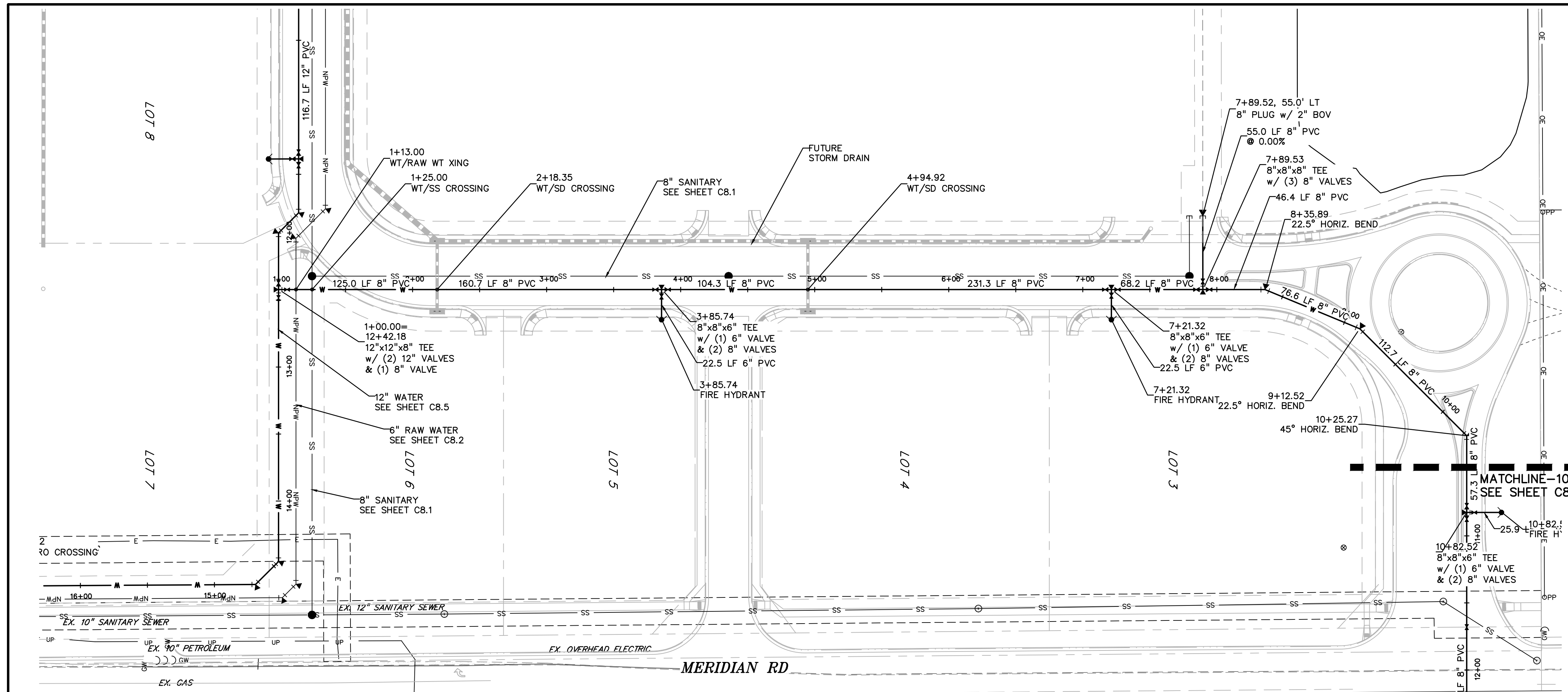
ISSUE	DATE
1ST SUBMITTAL	6-20-17
RESUBMITTAL	8-13-18
DESIGNED BY:	SBN
DRAWN BY:	SBN
CHECKED BY:	TDM
FILE NAME:	

PREPARED UNDER MY DIRECT  
 SUPERVISION FOR AND ON BEHALF  
 OF DREXEL, BARRELL & CO.  
 DRAWING SCALE:  
 HORIZONTAL: 1"=50'  
 VERTICAL: 1"=5'

**WATER  
 PLAN & PROFILE**  
 PROJECT NO. 20988--00CSV  
 DRAWING NO.

**C8.5**





**LEGEND**

- PROPERTY LINE
- LOT LINE
- EASEMENT
- CURB & GUTTER
- PRO. WATER LINE
- PRO. FIRE HYDRANT
- PRO. RAW WATER
- PRO. SANITARY SEWER
- PRO. STORM SEWER
- EX. OVERHEAD ELECTRIC
- EX. SANITARY SEWER
- EX. PETROLEUM
- EX. GAS
- EX. RAW WATER
- EX. WATER
- EX. STORM SEWER

**KEY MAP**  
NTS

SCALE: 1"=50'

PREPARED BY:  
  
**DREXEL, BARRELL & CO.**  
 Engineers-Surveyors  
 3 SOUTH 7TH STREET  
 COLORADO SPGS, COLORADO 80905  
 CONTACT: TIM D. MCCONNELL, P.E.  
 (719)260-0887  
 BOULDER • COLORADO SPRINGS

CLIENT:  
**HUMMEL INVESTMENTS, LLC**  
 8117 PRESTON ROAD, SUITE 120  
 DALLAS, TEXAS 75225  
 (214) 416-9820

OVERLOT GRADING, POND SR4 & UTILITY  
 CONSTRUCTION DRAWINGS FOR  
**FALCON MARKETPLACE**  
 FALCON, COLORADO

ISSUE	DATE
1ST SUBMITTAL	6-20-17
RESUBMITTAL	8-13-18

DESIGNED BY: SBN  
 DRAWN BY: SBN  
 CHECKED BY: TDM  
 FILE NAME:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

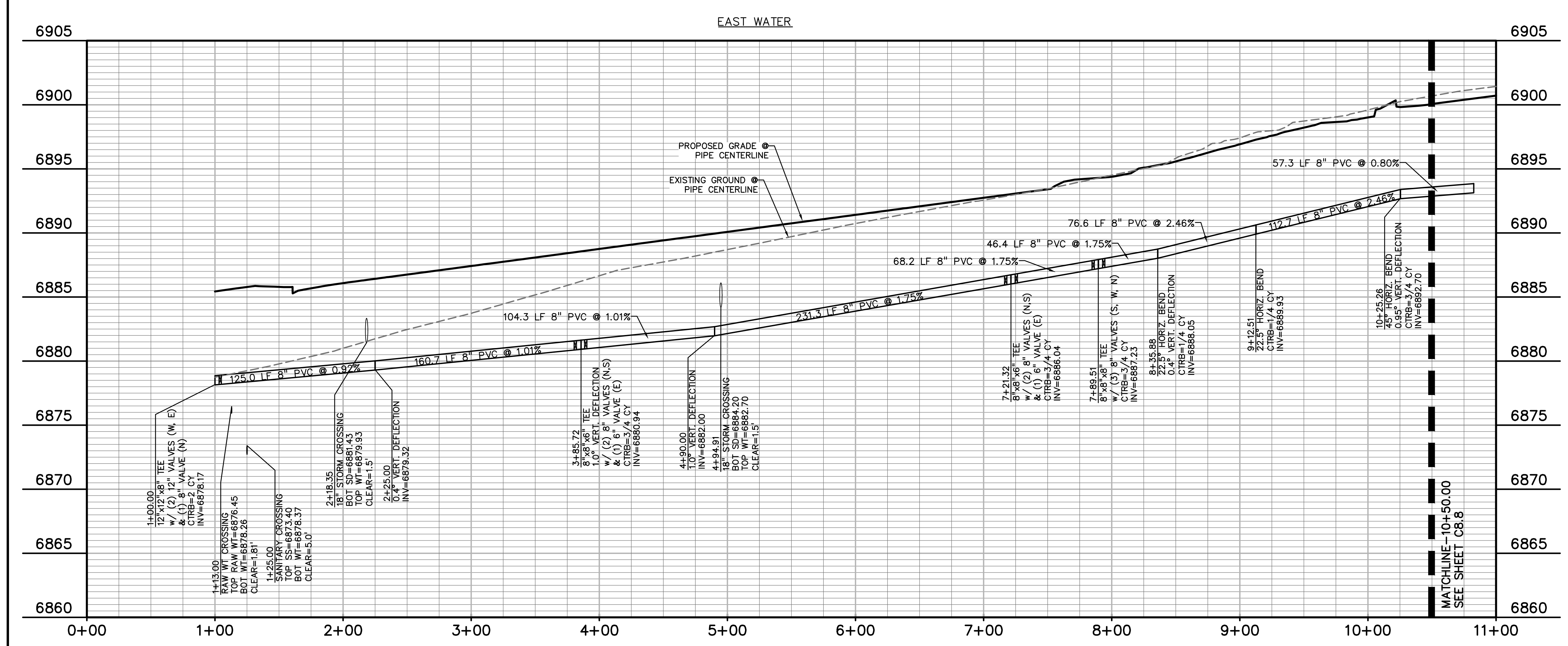
DRAWING SCALE:  
 HORIZONTAL: 1"=50'  
 VERTICAL: 1"=5'

**WATER PLAN & PROFILE**

PROJECT NO. 20988-00CSCV  
 DRAWING NO.

**C8.6**

SHEET: 21 OF 26







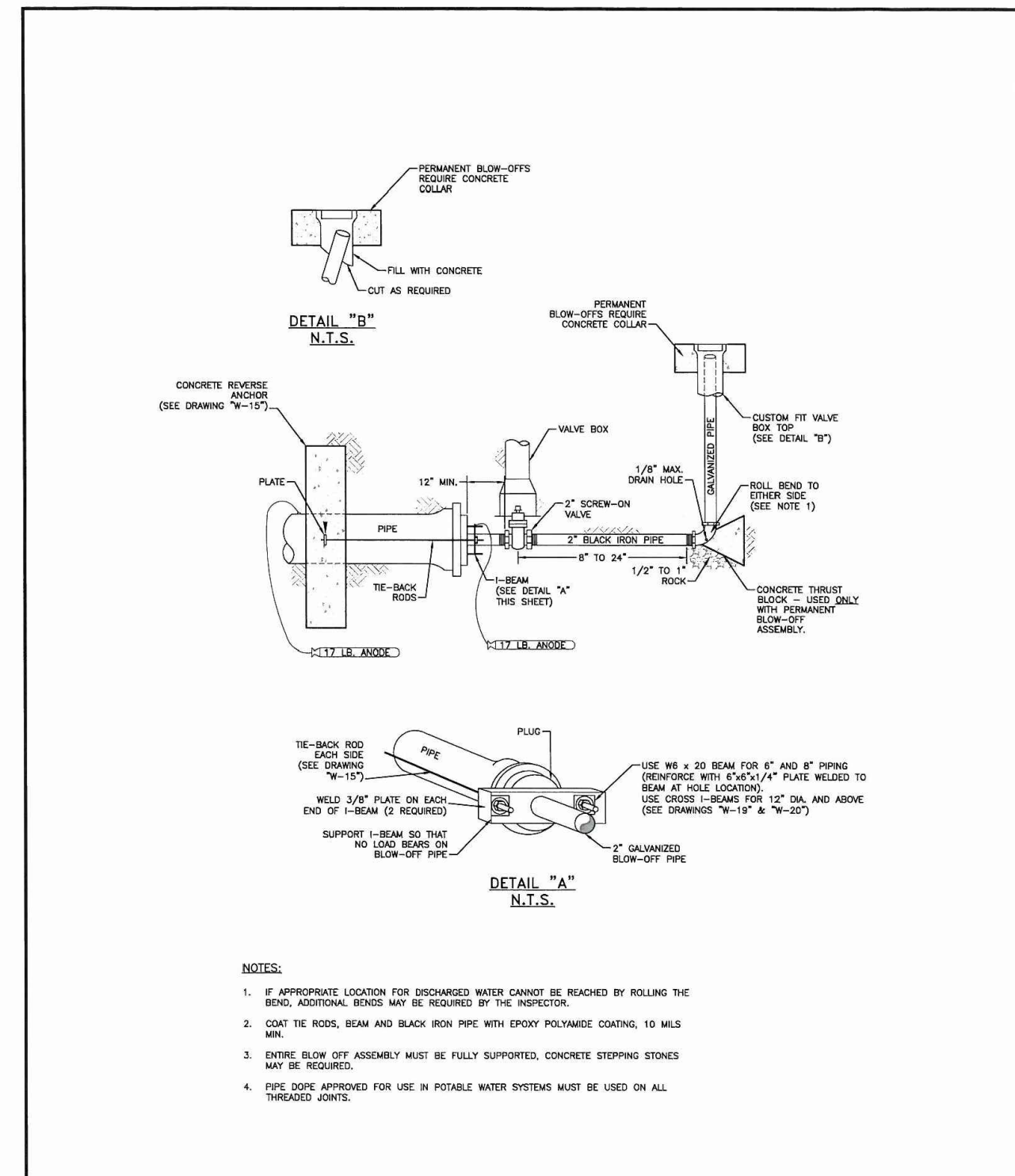






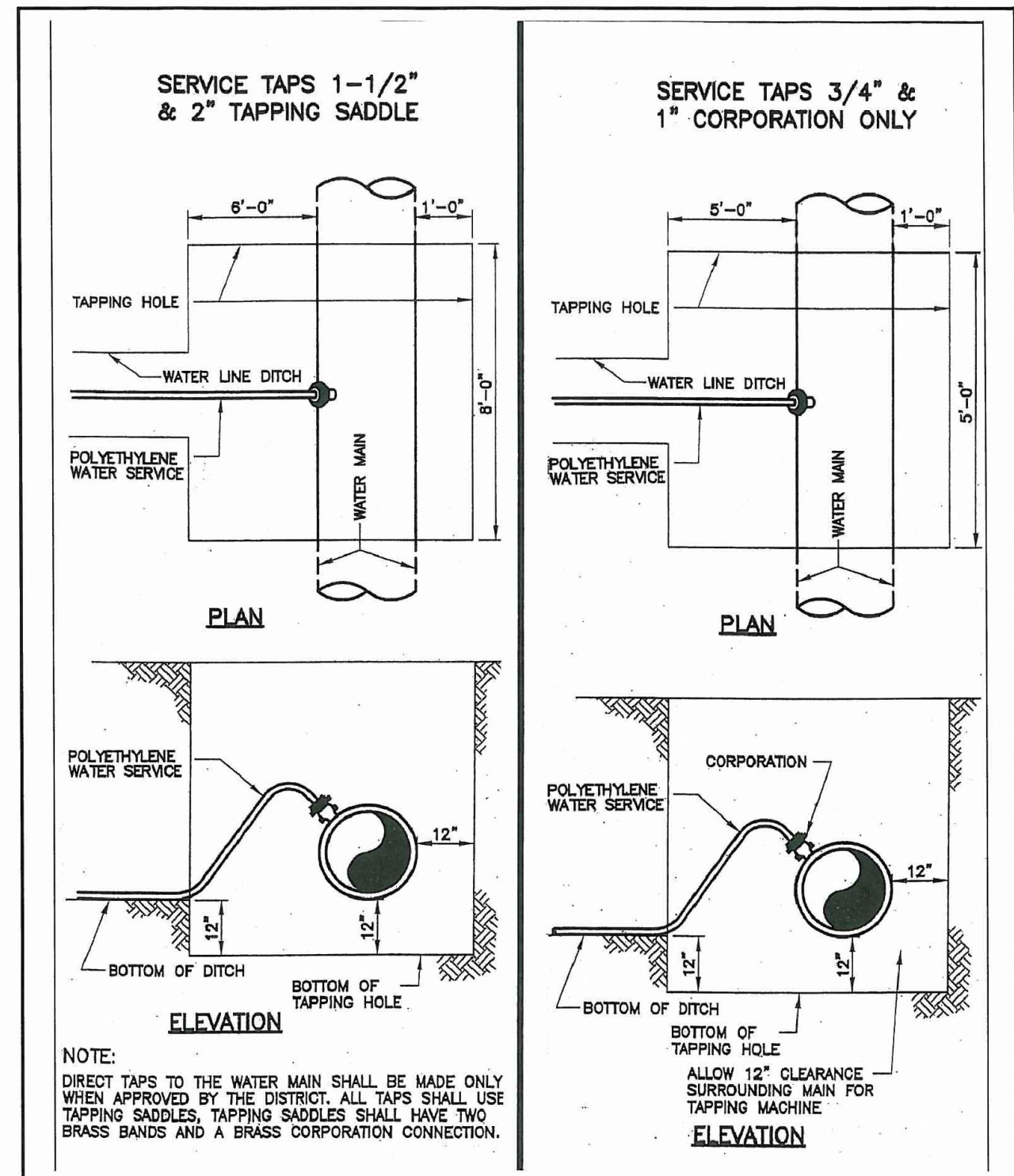






TEMP & PERMANENT BLOW-OFF ASSEMBLIES FOR 6" & 8" MAINS

Drawn: GSW	Reviewed:	WOODMEN HILLS	WATER & WASTEWATER SYSTEM	W-18
Date: 08/20/11	Reviewed:	STANDARD SPECIFICATIONS		
Scale: N.T.S.	Reviewed:			



TAPPING DETAIL - 3/4" THRU 2"

Drawn: GSW	Reviewed:	WOODMEN HILLS	WATER & WASTEWATER SYSTEM	W-32
Date: 08/20/11	Reviewed:	STANDARD SPECIFICATIONS		
Scale: N.T.S.	Reviewed:			

PREPARED BY:

**DREXEL, BARRELL & CO.**  
Engineers-Surveyors  
3 SOUTH 7TH STREET  
COLORADO SPGS, COLORADO 80905  
CONTACT: TIM D. McCONNELL, P.E.  
(719)260-0887  
BOULDER • COLORADO SPRINGS

CLIENT:

**HUMMEL INVESTMENTS, LLC**  
8117 PRESTON ROAD, SUITE 120  
DALLAS, TEXAS 75225  
(214) 416-9820

OVERLOT GRADING, POND SR4 & UTILITY  
CONSTRUCTION DRAWINGS FOR  
**FALCON  
MARKETPLACE**  
FALCON, COLORADO

ISSUE	DATE
1ST SUBMITTAL	6-20-17
RESUBMITTAL	8-13-18
DESIGNED BY:	SBN
DRAWN BY:	SBN
CHECKED BY:	TDM
FILE NAME:	20988-EG-UTD.TL

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

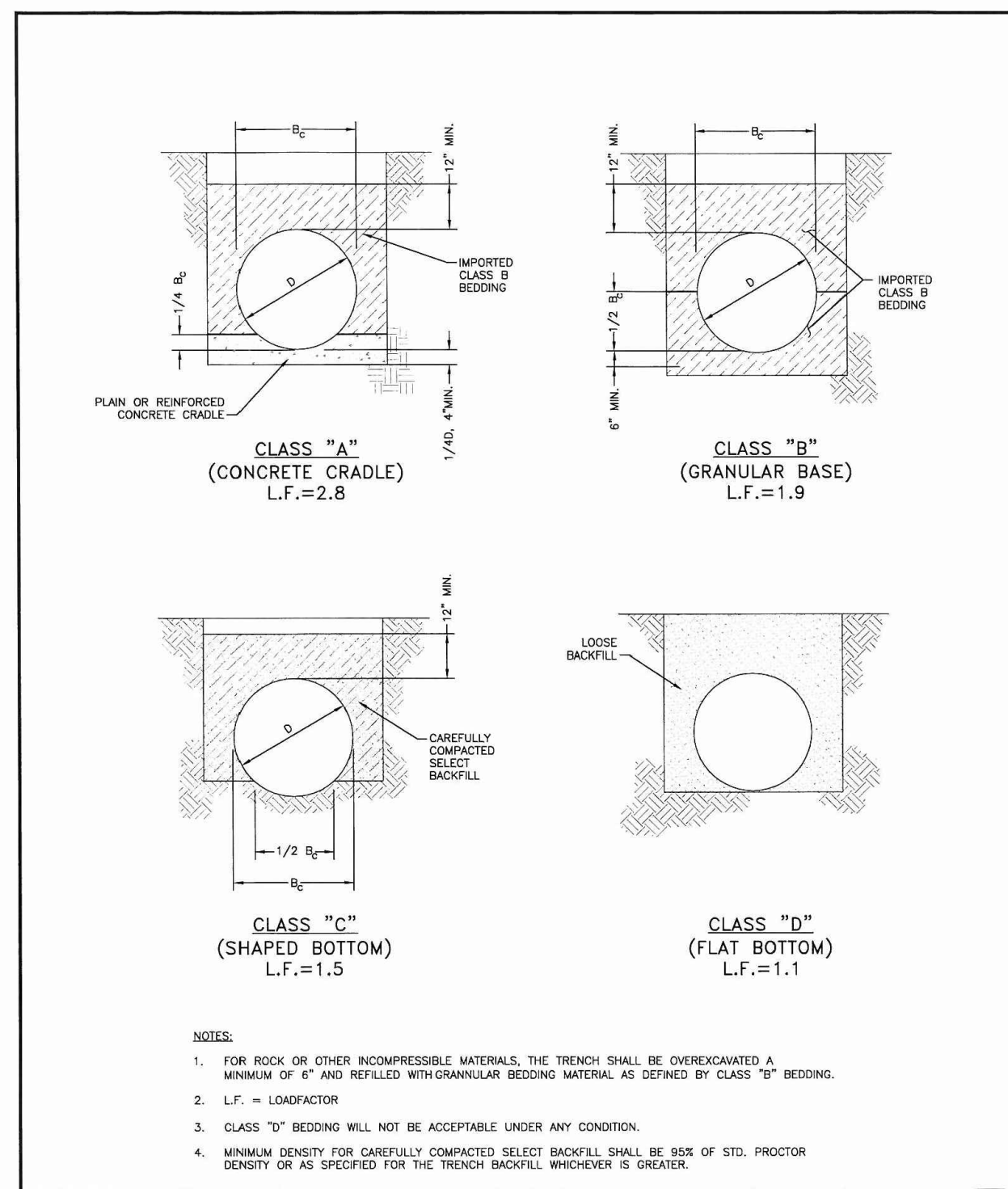
**DRAWING SCALE:**  
HORIZONTAL: N/A  
VERTICAL: N/A

**WATER  
DETAILS**

PROJECT NO. 20988-00CSCV  
DRAWING NO.

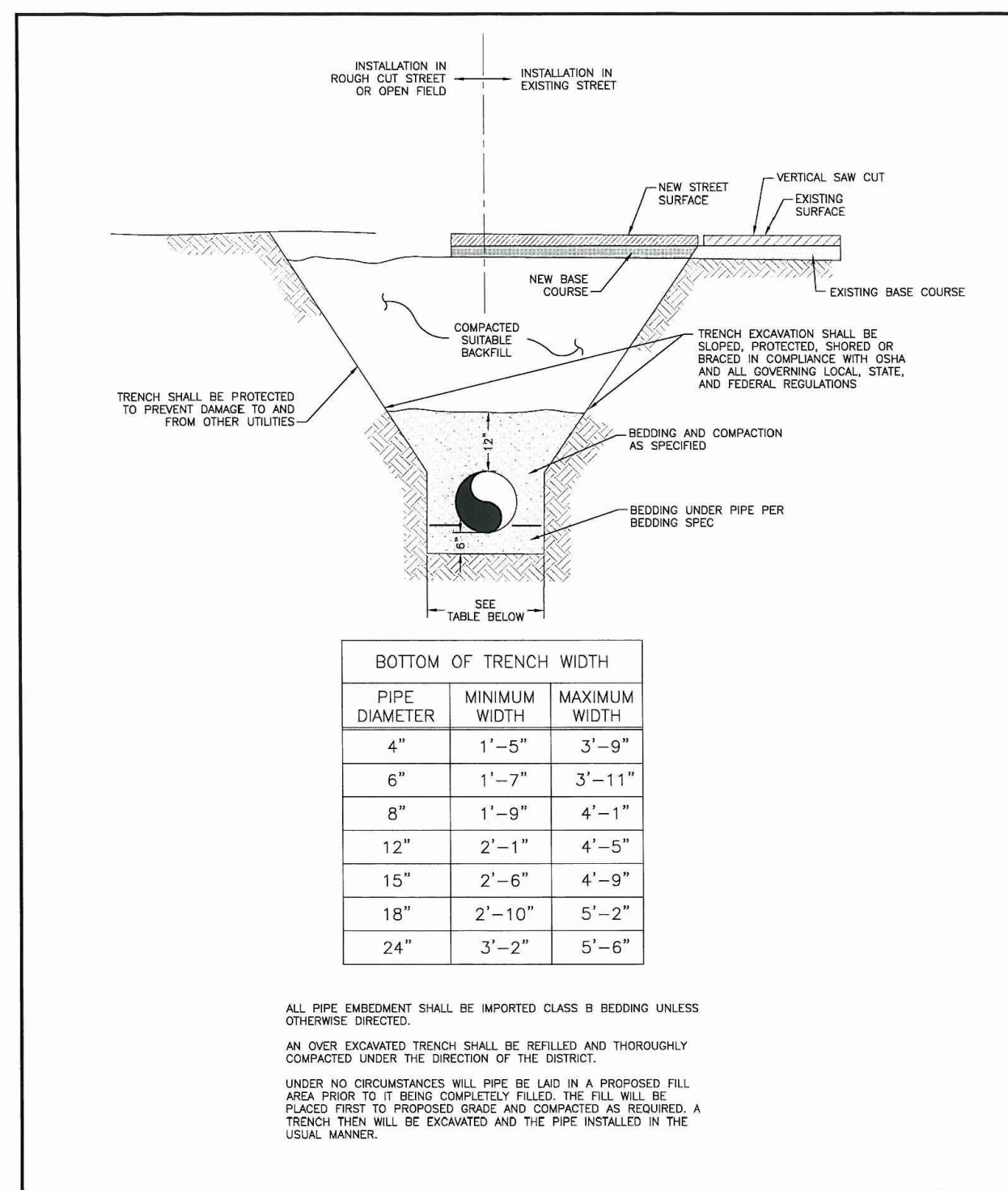
**C8.10**





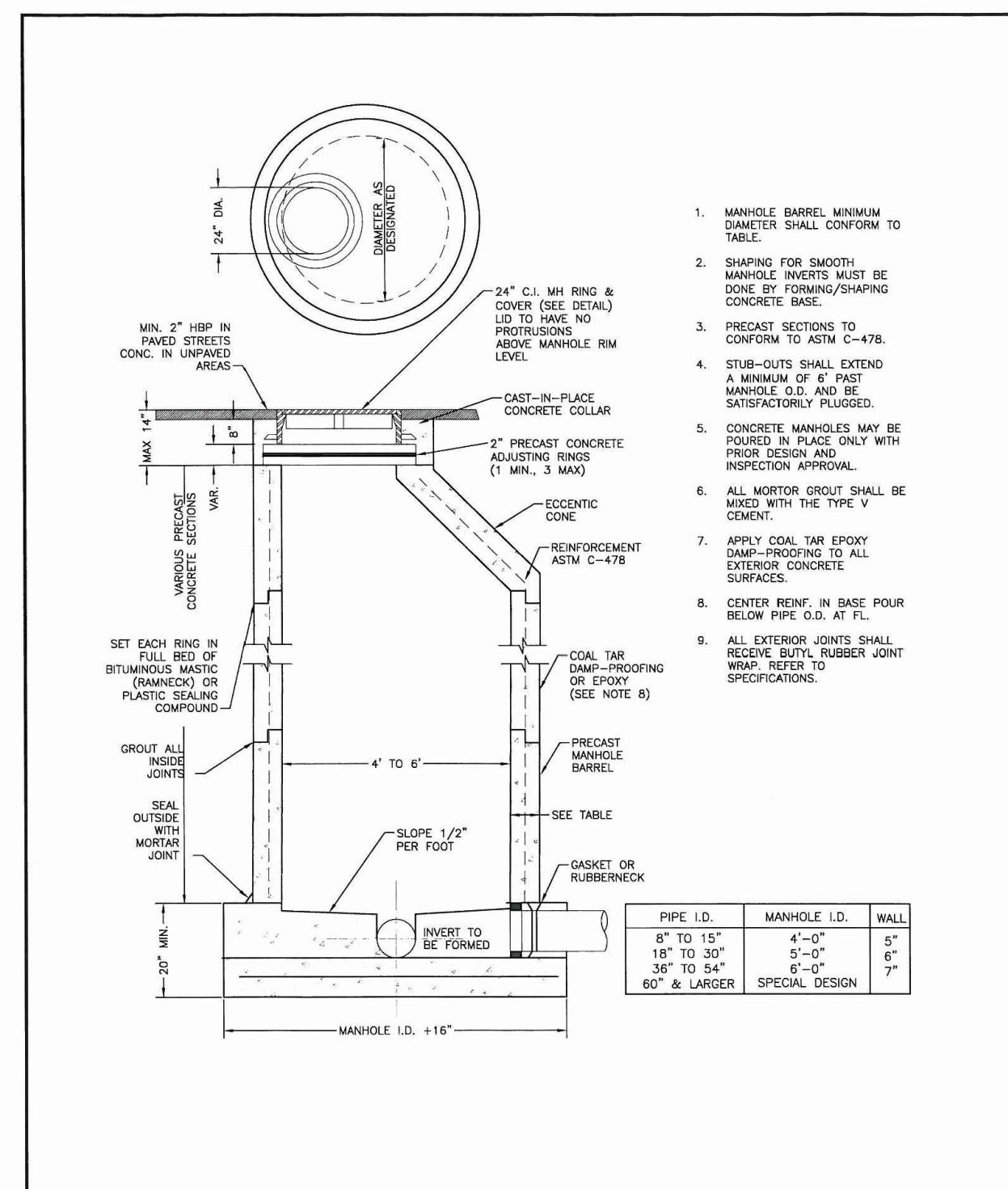
**PIPE BEDDING**

Drawn: GJM	Revised:	<b>WOODMEN HILLS</b>	WATER & WASTEWATER SYSTEM	<b>WW-1</b>
Date: JUN 2011	Revised:	STANDARD SPECIFICATIONS		
Scale: N.T.S.	Revised:			



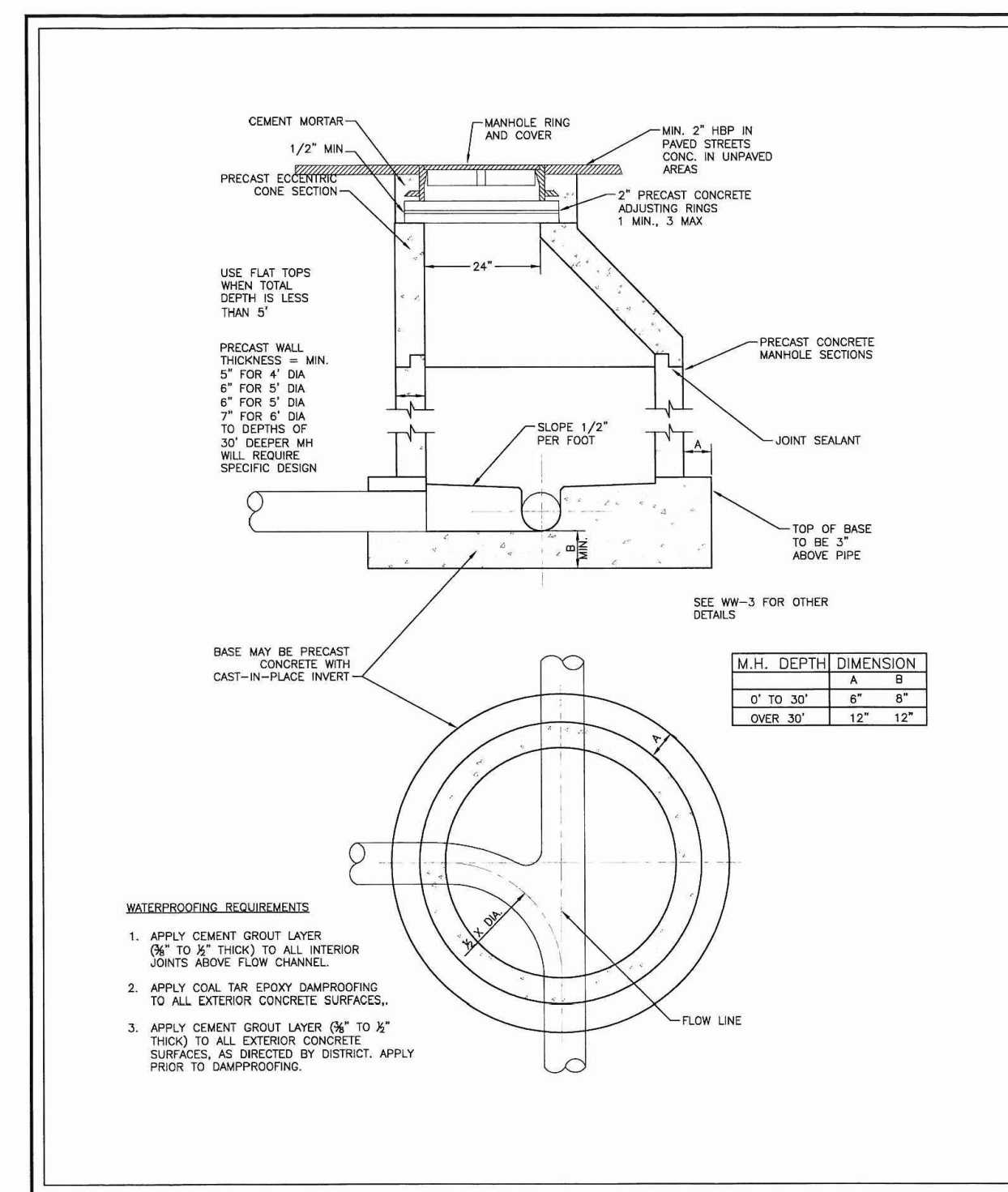
**TYPICAL TRENCH CROSS SECTION**

Drawn: GJM	Revised:	<b>WOODMEN HILLS</b>	WATER & WASTEWATER SYSTEM	<b>WW-2</b>
Date: JUN 2011	Revised:	STANDARD SPECIFICATIONS		
Scale: N.T.S.	Revised:			



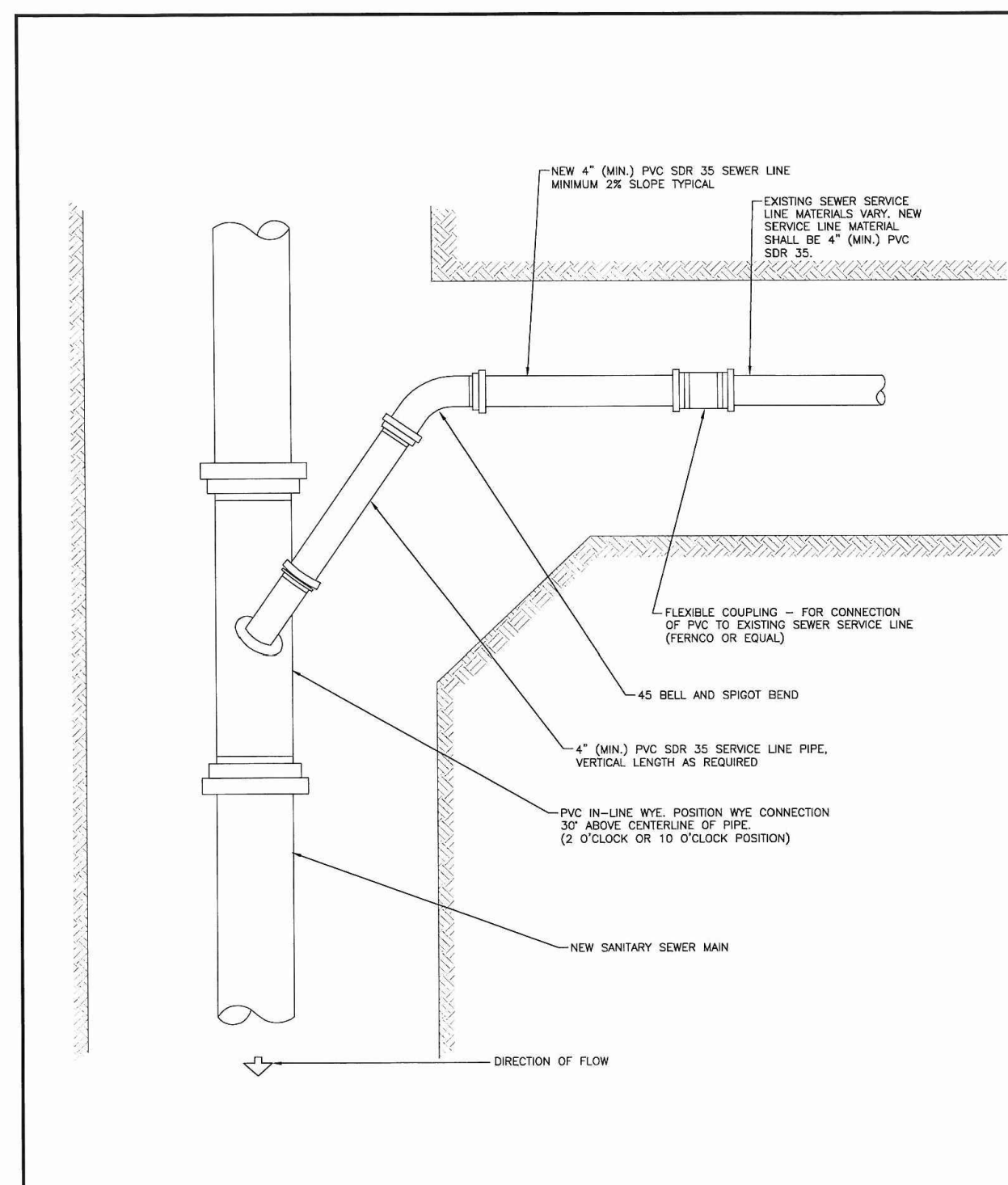
**PRECAST MANHOLE**

Drawn: GJM	Revised:	<b>WOODMEN HILLS</b>	WATER & WASTEWATER SYSTEM	<b>WW-3</b>
Date: JUN 2011	Revised:	STANDARD SPECIFICATIONS		
Scale: N.T.S.	Revised:			



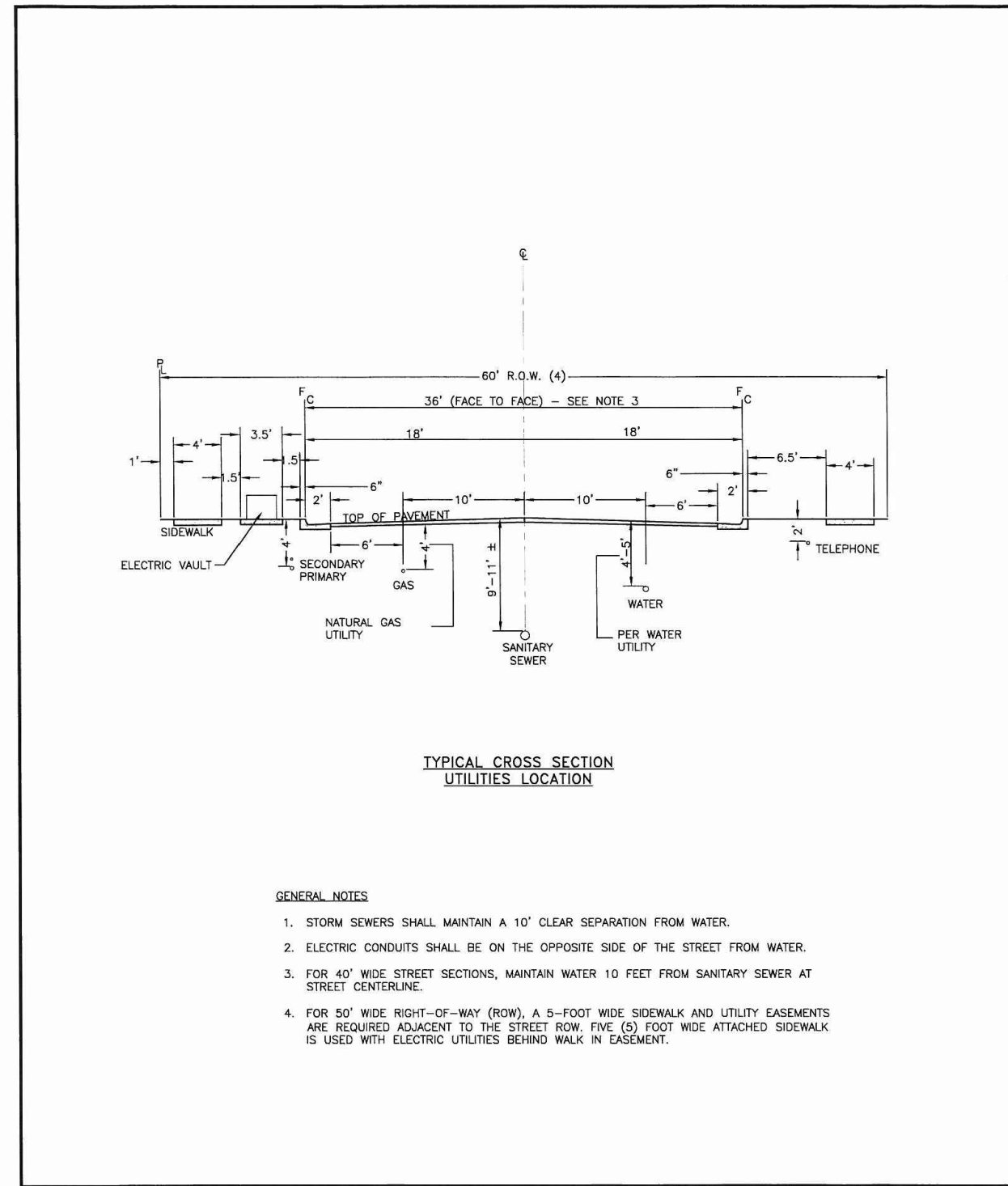
**SANITARY SEWER MANHOLE**

Drawn: GJM	Revised:	<b>WOODMEN HILLS</b>	WATER & WASTEWATER SYSTEM	<b>WW-4</b>
Date: JUN 2011	Revised:	STANDARD SPECIFICATIONS		
Scale: N.T.S.	Revised:			



**SANITARY SEWER SERVICE CONNECTION**

Drawn: GJM	Revised:	<b>WOODMEN HILLS</b>	WATER & WASTEWATER SYSTEM	<b>WW-7</b>
Date: JUN 2011	Revised:	STANDARD SPECIFICATIONS		
Scale: N.T.S.	Revised:			



**TYPICAL CROSS SECTION UTILITIES LOCATION**

Drawn: GJM	Revised:	<b>WOODMEN HILLS</b>	WATER & WASTEWATER SYSTEM	<b>WW-8</b>
Date: JUN 2011	Revised:	STANDARD SPECIFICATIONS		
Scale: N.T.S.	Revised:			

**PREPARED BY:**

**DREXEL, BARRELL & CO.**  
Engineers-Surveyors  
3 SOUTH 7TH STREET  
COLORADO SPGS, COLORADO 80905  
CONTACT: TIM D. McCONNELL, P.E.  
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**OVERLOT GRADING, POND SR4 & UTILITY  
CONSTRUCTION DRAWINGS FOR**

**FALCON  
MARKETPLACE**

**FALCON, COLORADO**

ISSUE	DATE
1ST SUBMITTAL	6-20-17
RESUBMITTAL	8-13-18

**DESIGNED BY:** SBN  
**DRAWN BY:** SBN  
**CHECKED BY:** TDM  
**FILE NAME:** 20988-EG-UTD.TL

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

**DRAWING SCALE:**  
HORIZONTAL: N/A  
VERTICAL: N/A

**SANITARY SEWER  
DETAILS**

**PROJECT NO. 20988-00CSCV  
DRAWING NO.**

**C8.11**