

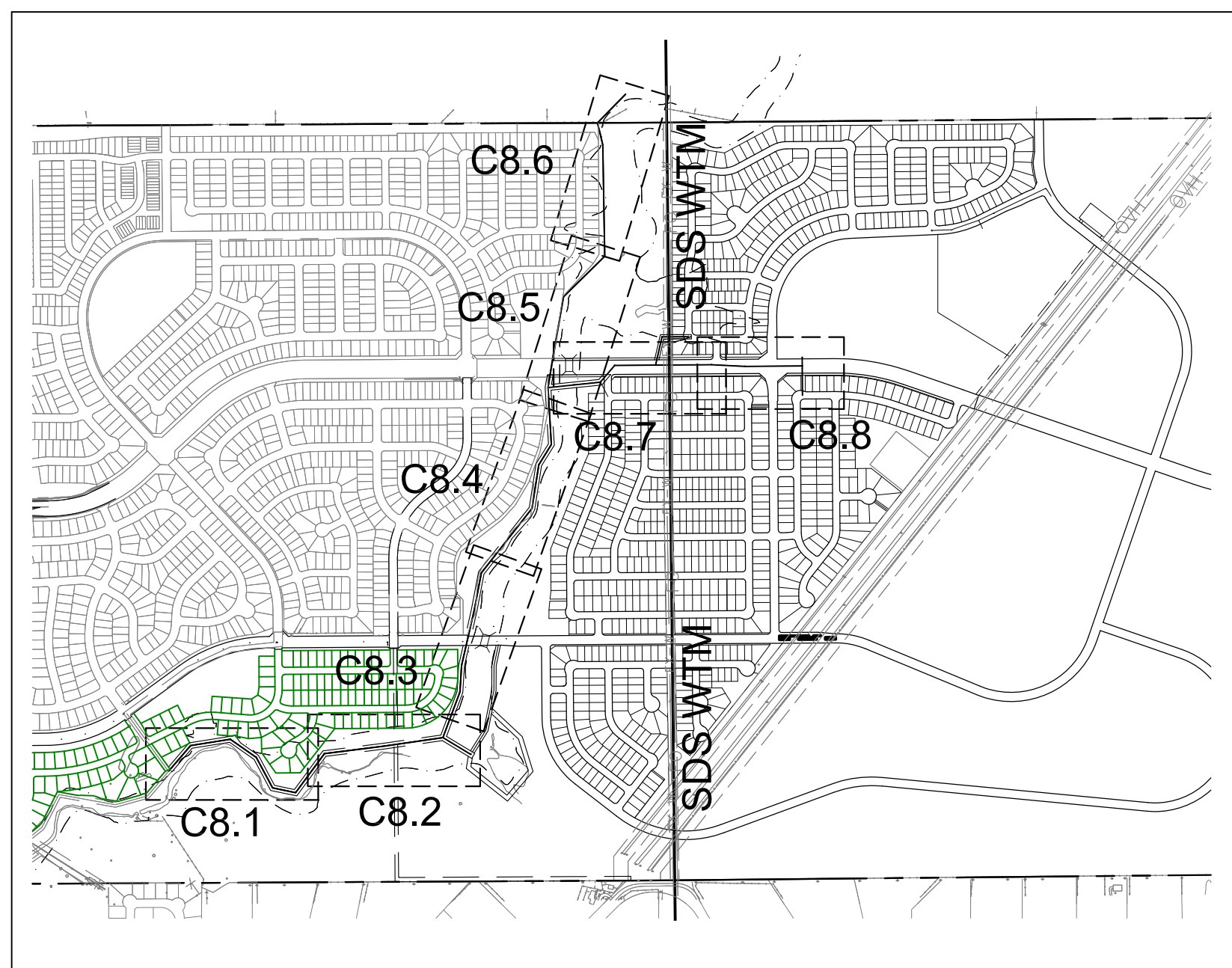
CONSTRUCTION PLANS FOR LORSON RANCH EAST

EAST JIMMY CAMP INTERCEPTOR SANITARY SEWER CONSTRUCTION PLANS

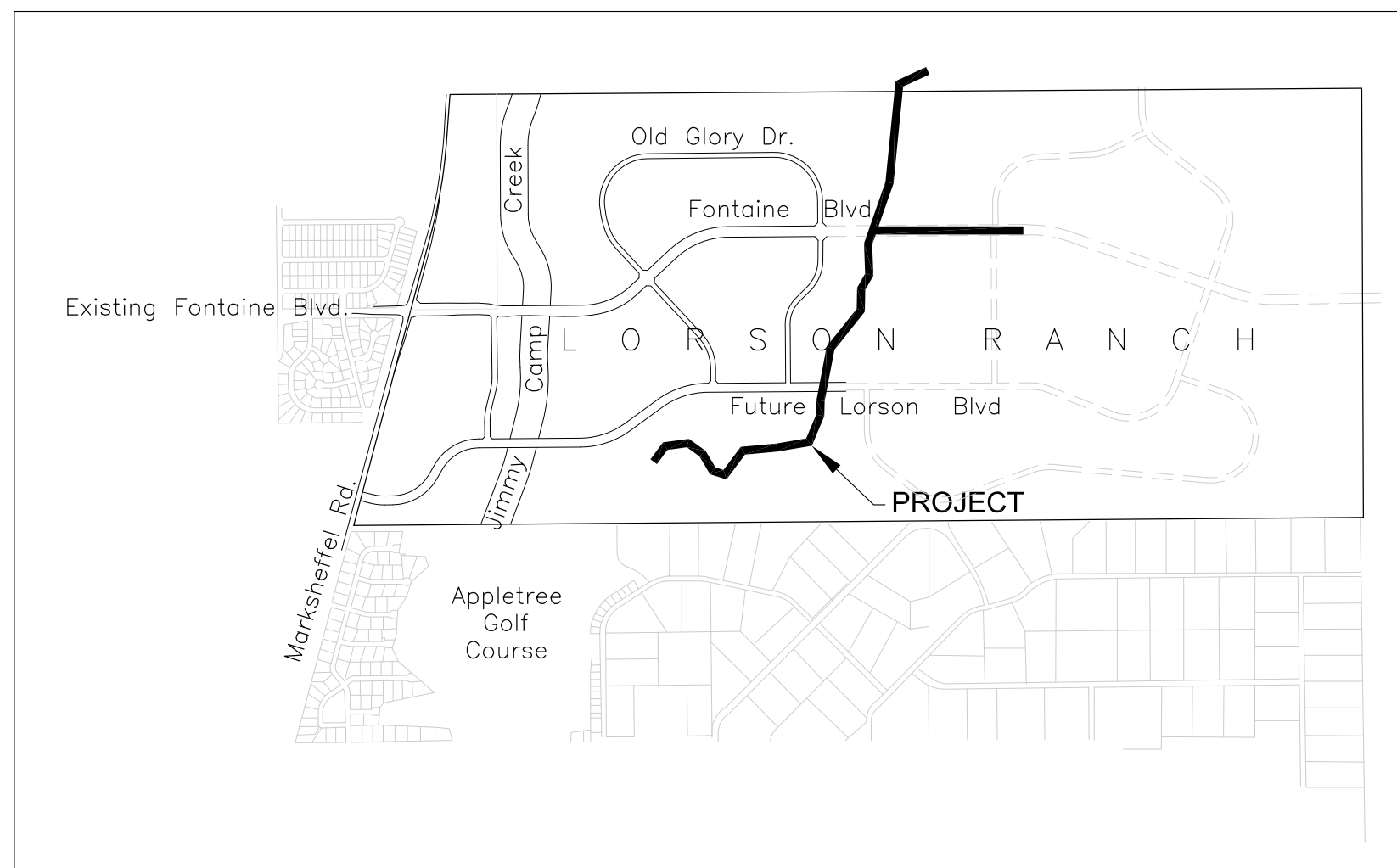


Know what's below.
Call before you dig.

CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE OR
EXCAVATE FOR THE MARKING OF
UNDERGROUND MEMBER UTILITIES



KEY MAP
SCALE: 1"=1000'



VICINITY MAP
NO SCALE

SHEET INDEX	
SHEET NO.	SHEET DESCRIPTION
C1.1	COVER SHEET
C1.2	NOTES
C1.3	OVERALL LAYOUT
C4.1	GRADING & EROSION CONTROL PLAN
C8.1-C8.8	SANITARY SEWER PLAN AND PROFILE
S1	CAISSON DETAILS
C12.1	UTILITY DETAILS

Provide a GEC details sheet

DEVELOPER'S STATEMENT

THE UNDERSIGNED OWNER/DEVELOPER HAS READ AND WILL COMPLY WITH ALL THE REQUIREMENTS SPECIFIED IN THESE CONSTRUCTION PLANS AND THE ACCOMPANYING DRAINAGE REPORT.

BUSINESS NAME LORSON, LLC

BY _____ DATE _____

TITLE _____

ADDRESS 212 N. WAHSATCH AVE., SUITE 301
COLORADO SPRINGS, CO 80903

CONSTRUCTION APPROVAL

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 MANUALS VOLUME 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED. CONSTRUCTION DOCUMENTS WILL BE VALID FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER.

JENNIFER IRVINE, COUNTY ENGINEER/ECM ADMINISTRATOR DATE _____
CONDITIONS:

ENGINEER'S APPROVAL

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

RICHARD L. SCHINDLER, P.E. # 33997
FOR AND ON BEHALF OF CORE ENGINEERING GROUP

WATER / SANITARY
WIDEFIELD WATER AND SANITATION DISTRICT
37 WIDEFIELD BLVD.
SECURITY, CO 80911
719-390-7111

CABLE
COMCAST
P.O. BOX 173838
DENVER, CO 80217
970-641-4774

ELECTRIC
MOUNTAIN VIEW ELECTRIC
11140 E. WOODMEN RD.
COLORADO SPRINGS, CO 80831
719-495-2283

SECURITY FIRE PROTECTION DISTRICT
400 SECURITY BOULEVARD
SECURITY, CO 80911
719-392-7121

TELEPHONE
CENTURYLINK
7925 INDUSTRY ROAD
COLORADO SPRINGS, CO 80939
719-278-4651

GAS
BLACK HILLS ENGERGY
7060 ALLEGRE ST.
FOUNTAIN, CO 80817
719-393-6639

EL PASO COUNTY
PLANNING AND COMMUNITY DEVELOPMENT
2880 INTERNATIONAL CIRCLE
COLORADO SPRINGS, CO 80919
719-520-6300

BASIS OF BEARING

BEARINGS ARE BASED ON THE SOUTH LINE OF THE NORTH HALF OF SECTION 23, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN AS BEING SOUTH 89°41'52" WEST. THE EAST QUARTER CORNER OF SAID SECTION 23 IS A FOUND 3-1/2" ALUMINUM CAP MONUMENT AND THE WEST QUARTER CORNER OF SAID SECTION 23 IS A FOUND 2-1/2" ALUMINUM CAP MONUMENT

BENCHMARK

FIMS MONUMENT F204 LOCATED AT THE NORTHWEST CORNER OF FONTAINE BLVD AND COTTONWOOD GROVE DR. ELEVATION 5724.072 (N.G.V.D. 29)

TRAFFIC CONTROL NOTE

THE CONTRACTOR SHALL PROVIDE ALL TRAFFIC CONTROL DEVICES AND MONITORING NECESSARY TO SAFELY COMPLETE THE WORK SHOWN IN THESE CONSTRUCTION DOCUMENTS IN CONFORMANCE WITH M.U.T.C.D. GUIDELINES. THE CONTRACTOR SHALL COMPLETE ALL NECESSARY WORK FOR PLAN REVIEW, PERMITS AND PROCESSING. TRAFFIC CONTROL WILL NOT BE PAID SEPARATELY BUT IS INCLUDED IN THE COST OF THE PROJECT.

CONSTRUCTION APPROVAL

COLORADO SPRINGS UTILITIES FOR CONSTRUCTION WITHIN THE SDS EASEMENT

CSU REPRESENTATIVE DATE _____

DISTRICT APPROVAL (WASTEWATER)

THE WIDEFIELD WATER AND SANITATION DISTRICT RECOGNIZES THE DESIGN ENGINEER AS HAVING RESPONSIBILITY FOR THE DESIGN. THE WIDEFIELD WATER AND SANITATION DISTRICT HAS LIMITED ITS SCOPE OF REVIEW ACCORDINGLY.

WIDEFIELD WATER AND SANITATION DISTRICT
WATER DESIGN APPROVAL

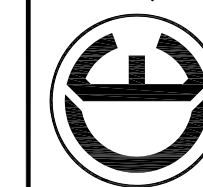
DATE _____ BY _____

PROJECT NO. _____

IN CASE OF ERRORS OR OMISSIONS WITH THE WATER DESIGN AS SHOWN ON THIS DOCUMENT THE STANDARDS AS DEFINED IN THE "RULES AND REGULATIONS FOR INSTALLATION OF WATER MAINS AND SERVICES" SHALL RULE.

APPROVAL EXPIRES 180 DAYS FROM DESIGN APPROVAL

CORE ENGINEERING GROUP
15004 1ST AVENUE S.
BURNSVILLE, MN 55306
PH: 719.570.1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@cge1.com



NO.	DESCRIPTION	DATE	
		X	
		X	

PREPARED FOR: **LORSON, LLC**
 212 N. WAHSATCH AVE., SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 (719) 635-3200
 CONTACT: JEFF MARK

PROJECT: **EAST JCC INTERCEPTOR**
 FONTAINE BLVD., LORSON BLVD.
 EL PASO COUNTY, COLORADO

DRAWN: LJA
 DESIGNED: RLS
 CHECKED: RLS

COVER SHEET

EAST JIMMY CAMP CREEK INTERCEPTOR

CONSTRUCTION PLANS

DATE
SEPTEMBER 8, 2017

PROJECT NO.
100.041

SHEET NUMBER
C1.1

TOTAL SHEETS: **14**

CONSTRUCTION NOTES

1. ALL WORK SHALL COMPLY WITH THE CODES AND POLICIES FOR EL PASO COUNTY.
2. EXISTING TOPOGRAPHIC INFORMATION SHOWN ON THIS GRADING PLAN WAS OBTAINED FROM DREXEL, BARRELL & CO., JULY, 2005. THE CONTRACTOR SHALL BE RESPONSIBLE TO EXAMINE THE SITE AND BE FAMILIAR WITH THE EXISTING CONDITIONS.
3. DEPTH OF MOISTURE-DENSITY CONTROL FOR THIS PROJECT SHALL BE AS FOLLOWS:
BASE OF ALL CUTS AND FILLS - 12 INCHES,
FULL DEPTH OF ALL EMBANKMENTS
4. THE CONTRACTOR IS RESPONSIBLE FOR THE RE-ESTABLISHMENT OF ALL SURVEY MONUMENTS DISTURBED WITHIN THE PROJECT LIMITS.
5. THE CONTRACTOR SHALL PROTECT ALL WORK AREAS AND FACILITIES FROM FLOODING AT ALL TIMES. AREAS AND FACILITIES SUBJECTED TO FLOODING, REGARDLESS OF THE SOURCE OF WATER, SHALL BE PROMPTLY DEWATERED AND RESTORED.
6. PRIOR TO PAVING OPERATIONS, THE ENTIRE SUBGRADE SHALL BE PROOF-ROLLED WITH A LOADED 988 FRONT-END LOADER OR SIMILAR HEAVY RUBBER TIRED VEHICLE (GVW OF 50,000 POUNDS WITH 18 KIP PER AXLE AT TIRE PRESSURES OF 90 PSI) TO DETECT ANY SOFT OR LOOSE AREAS. IN AREAS WHERE SOFT OR LOOSE SOILS, PUMPING OR EXCESSIVE MOVEMENT IS OBSERVED, THE EXPOSED MATERIALS SHALL BE OVER-EXCAVATED TO A MINIMUM DEPTH OF TWO FEET BELOW PROPOSED FINAL GRADE OR TO A DEPTH AT WHICH SOILS ARE STABLE. AFTER THIS HAS BEEN COMPLETED, THE EXPOSED MATERIALS SHALL BE SCARIFIED TO A DEPTH OF 12 INCHES AND MOISTURE CONDITIONED. THE SUBGRADE SHALL THEN BE UNIFORMLY COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR DENSITY (ASTM D-698) AT 0 TO +4.0% OF OPTIMUM MOISTURE CONTENT FOR A-6 AND A-7-6 SOILS ENCOUNTERED. OTHER SUBGRADE TYPES SHALL BE UNIFORMLY COMPACTED TO A MINIMUM OF 95% OF MODIFIED PROCTOR DENSITY (ASTM D-1557) AT PLUS OR MINUS 2.0% OF OPTIMUM MOISTURE CONTENT. AREAS WHERE STABLE NATURAL SOILS ARE ENCOUNTERED AT PROPOSED SUBGRADE ELEVATION SHALL ALSO BE SCARIFIED (18 INCHES FOR A-7-6 SOILS BELOW FULL-DEPTH ASPHALT CONCRETE) AND COMPACTED AS OUTLINED ABOVE PRIOR TO PAVING OPERATIONS. SUBGRADE FILL SHALL BE PLACED IN SIX-INCH LIFTS AND UNIFORMLY COMPACTED, MEETING THE REQUIREMENTS AS PREVIOUSLY DESCRIBED.
7. SUBGRADE MATERIALS DEEMED UNSUITABLE BY THE ENGINEER SHALL BE EXCAVATED, DISPOSED OF AND REPLACED WITH APPROVED MATERIALS.
8. FILL SHALL BE PLACED IN 8-INCH MAXIMUM LOOSE LIFTS AND SHALL BE COMPACTED PRIOR TO SUCCESSIVE LIFTS.
9. THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING AND CONTROLLING EROSION DURING CONSTRUCTION ACTIVITIES AT ALL TIMES DURING GRADING AND CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE THE FOLLOWING EROSION AND SEDIMENT CONTROL MEASURES:
 - HAY BALE BARRIERS WHERE NEEDED AND/OR AS DIRECTED BY THE ENGINEER.
 - SILT FENCE WHERE NEEDED AND/OR AS DIRECTED BY THE ENGINEER.
 - TEMPORARY SEDIMENTATION BASINS WHERE NEEDED AND/OR AS DIRECTED BY THE ENGINEER.
 - MULCHING AND SEEDING OF EXCESSIVE SLOPED AREAS AS NEEDED OR AS DIRECTED BY THE ENGINEER.
 - TEMPORARY VEHICLE TRACKING CONTROL AS NEEDED AND/OR DIRECTED BY THE ENGINEER.
 - CONCRETE WASH AREAS.
 - INLET PROTECTION.
 THESE AND ALL EROSION CONTROL BEST MANAGEMENT PRACTICES AS SHOWN IN THE GRADING AND EROSION CONTROL PLANS SHALL BE STRICTLY ADHERED TO.
10. FINISHED CONTOURS/SPOT ELEVATIONS SHOWN HEREON REPRESENT FINISHED GRADES. ALL PAVEMENT SUBGRADES ARE BASED ON THE COMPOSITE ASPHALT PAVEMENT RECOMMENDATIONS MADE IN THE "GEOTECHNICAL STUDY" FOR LORSON RANCH.

WIDEFIELD WATER AND SANITATION DISTRICT GENERAL NOTES

1. ALL UTILITY CONSTRUCTION TO BE CONDUCTED IN CONFORMANCE WITH THE CURRENT WIDEFIELD WATER AND SANITATION DISTRICT SPECIFICATIONS. COMPACTION REQUIREMENTS SHALL BE 95% STANDARD PROCTOR AS DETERMINED BY ASTM D698, UNLESS OTHERWISE APPROVED BY THE WIDEFIELD WATER AND SANITATION DISTRICT OR A HIGHER STANDARD IS IMPOSED BY ANOTHER AGENCY HAVING RIGHT-OF-WAY JURISDICTION.
2. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE WIDEFIELD WATER AND SANITATION DISTRICT. THE WIDEFIELD WATER AND SANITATION DISTRICT RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
3. THE DEVELOPER OR HIS ENGINEER HAS LOCATED ALL FIRE HYDRANTS AND FUTURE SERVICE STUBS. ANY REQUIRED REALIGNMENT, EITHER HORIZONTAL OR VERTICAL, SHALL BE AT THE EXPENSE OF THE DEVELOPER.
4. ALL DUCTILE IRON PIPE, TO INCLUDE FITTINGS, VALVES AND FIRE HYDRANTS WILL BE WRAPPED WITH POLYETHYLENE TUBING, BONDED AT EACH JOINT AND ELECTRICALLY ISOLATED.
5. ALL DUCTILE IRON PIPE SHALL BE DOUBLE BONDED. DIP SHALL HAVE CATHODIC PROTECTION USING NO. 6 WIRE WITH 17 LB. MAGNESIUM ANODES EVERY 400 FEET.
6. PVC MAIN LINES SHALL BE INSTALLED WITH COATED NO. 12 TRACER WIRE.
7. ALL FITTINGS SHALL BE DUCTILE IRON -MECHANICAL JOINT AND HAVE 1 LB. MAGNESIUM ANODES AT EVERY FITTING.
8. THE CONTRACTOR IS REQUIRED TO NOTIFY THE WIDEFIELD WATER AND SANITATION DISTRICT (390-7111) A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO NOTIFY AFFECTED UTILITY COMPANIES 48 HOURS PRIOR TO CONSTRUCTION ADJACENT TO THE KNOWN UTILITY LINES.
9. THE LOCATION OF ALL UTILITIES AS SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY. THE LOCATION OF ALL UTILITIES SHALL BE VERIFIED PRIOR TO CONSTRUCTION BY THE CONTRACTOR.
10. THE CONTRACTOR SHALL FIELD EXCAVATE AND VERIFY THE VERTICAL AND HORIZONTAL LOCATION OF ALL TIE-INS. CONTRACTOR SHALL NOTIFY THE WIDEFIELD WATER AND SANITATION DISTRICT AND THE ENGINEER OF THE FIELD VERIFIED INFORMATION PRIOR TO CONSTRUCTION.
11. ALL BENDS SHALL BE FIELD STAKED PRIOR TO CONSTRUCTION.
12. ANY WATER UTILITY MATERIAL REMOVED AND NOT REUSED SHALL BE RETURNED TO THE WIDEFIELD WATER AND SANITATION DISTRICT IF THE DISTRICT SO REQUESTS.
13. THE CONTRACTOR SHALL AT HIS EXPENSE SUPPORT AND PROTECT ALL UTILITY MAINS SO THAT THEY WILL FUNCTION CONTINUOUSLY DURING CONSTRUCTION. SHOULD A UTILITY MAIN FAIL AS A RESULT OF THE CONTRACTOR'S OPERATION, IT WILL BE REPLACED IMMEDIATELY BY EITHER THE CONTRACTOR OR THE WIDEFIELD WATER AND SANITATION DISTRICT AT FULL COST OF LABOR AND MATERIALS TO THE CONTRACTOR.
14. ANY PUMPING OR BYPASS OPERATIONS MUST BE REVIEWED AND APPROVED PRIOR TO EXECUTION BY BOTH THE WIDEFIELD WATER AND SANITATION DISTRICT AND THE ENGINEER.
15. DISINFECTION SHALL BE ACCOMPLISHED BY GLUING TABLETS TO THE TOP OF THE LINE. POWDER OR GRANULAR HTH SHALL NOT BE USED. SEE WIDEFIELD SPECS FOR FURTHER DEFINITION OF DISINFECTION TECHNIQUES.
16. CONTRACTOR MUST REPLACE OR REPAIR ANY DAMAGE TO ALL SURFACE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO FENCES, CURB AND GUTTER AND/OR ASPHALT THAT MAY BE CAUSED DURING CONSTRUCTION.
17. ALL WATER LINES 6" AND LARGER, AND ALL SEWER LINES 8" AND LARGER, SHALL HAVE AS "AS-BUILT" PLANS PREPARED AND APPROVED PRIOR TO FINAL ACCEPTANCE BY THE WIDEFIELD WATER AND SANITATION DISTRICT.
18. PRIOR TO CONSTRUCTION, A PRE-CONSTRUCTION CONFERENCE IS REQUIRED A MINIMUM OF 72 HOURS IN ADVANCE OF COMMENCEMENT OF WORK. TO SET THE PRE-CONSTRUCTION CONFERENCE, CONTACT BRANDON BERNARD-WATER SUPERINTENDENT (464-2051) AND/OR MARK MCCORMICK, WASTEWATER SUPERINTENDENT OF THE WIDEFIELD WATER AND SANITATION DISTRICT FOR A TIME. NO PRE-CONSTRUCTION CONFERENCE TIMES WILL BE SET UNTIL 4 SETS OF SIGNED DRAWINGS ARE RECEIVED BY THE WIDEFIELD W & S DISTRICT. PRE-CONSTRUCTION DATE /INITIALS_____.

WIDEFIELD WATER AND SANITATION DISTRICT UTILITY CONSTRUCTION NOTES

1. ALL DUCTILE IRON PIPE AND FITTINGS SHALL HAVE CATHODIC PROTECTION AND 1 LB MAGNESIUM ANODES AT EVERY FITTING.
2. ALL FIRE HYDRANTS SHALL BE MUELLER SUPER CENTURION 200 OR AMERICAN AVK SERIES 2700, (MODERN)

STANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS

1. CONSTRUCTION MAY NOT COMMENCE UNTIL A CONSTRUCTION PERMIT IS OBTAINED FROM PCD AND A PRECONSTRUCTION CONFERENCE IS HELD WITH PCD INSPECTIONS.
2. 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.
3. 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.
4. A SEPARATE STORMWATER MANAGEMENT PLAN (SWMP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. DURING CONSTRUCTION THE SWMP 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.
5. 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 PCD INSPECTIONS STAFF.
6. 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.
7. 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.
8. 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 (SWMP).
9. 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 SWMP AND THE DCM VOLUME II AND MAINTAINED THROUGHOUT THE DURATION OF THE EARTH DISTURBANCE OPERATION.
10. 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.
11. 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.
12. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
13. EROSION CONTROL BLANKETING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
14. 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 PCD IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
15. VEHICLE TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFFSITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.
21. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER OR IN THE DITCHLINE.
22. 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.
23. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
24. PRIOR TO ACTUAL CONSTRUCTION THE PERMITEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
25. A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
26. THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY RMG AND SHALL BE CONSIDERED A PART OF THESE PLANS.
27. 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 (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

CORE ENGINEERING GROUP
1500 WEST AVENUE, SUITE 301
BOULDER, CO 80502
PHONE: 719.570.1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@cegi.com

DATE: X

DESCRIPTION: X

NO: I

PROJECT: EAST JCC INTERCEPTOR
FONTAINE BLVD., LORSON BLVD.
EL PASO COUNTY, COLORADO

PREPARED FOR: LORSON, LLC
212 N. WAHATCH AVE., SUITE 301
COLORADO SPRINGS, COLORADO 80903
(719) 636-3200
CONTACT: JEFF MARK

DRAWN: LJA
DESIGNED: RLS
CHECKED: RLS

NOTES

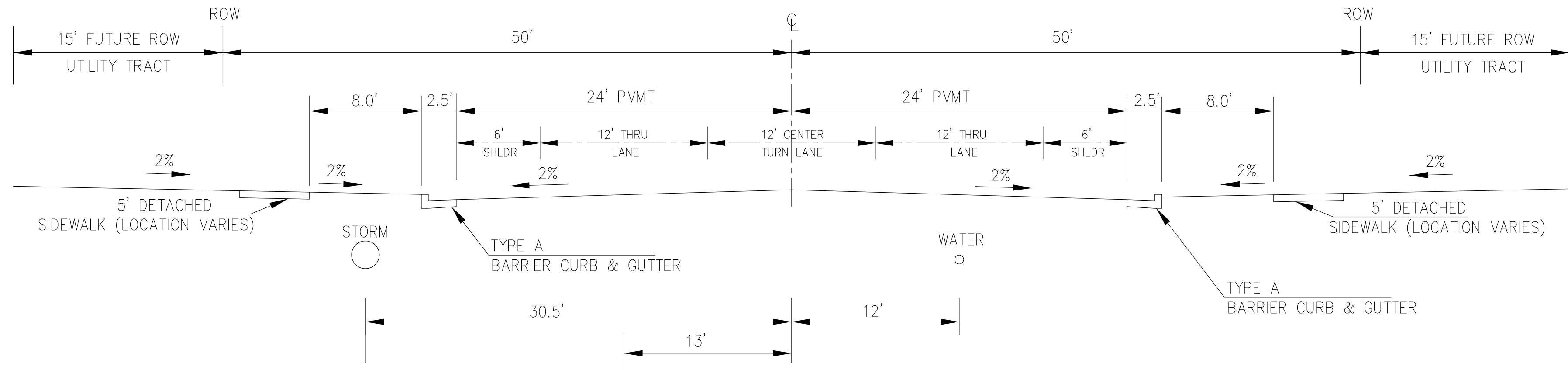
EAST JIMMY CAMP CREEK INTERCEPTOR

DATE
SEPTEMBER 8, 2017

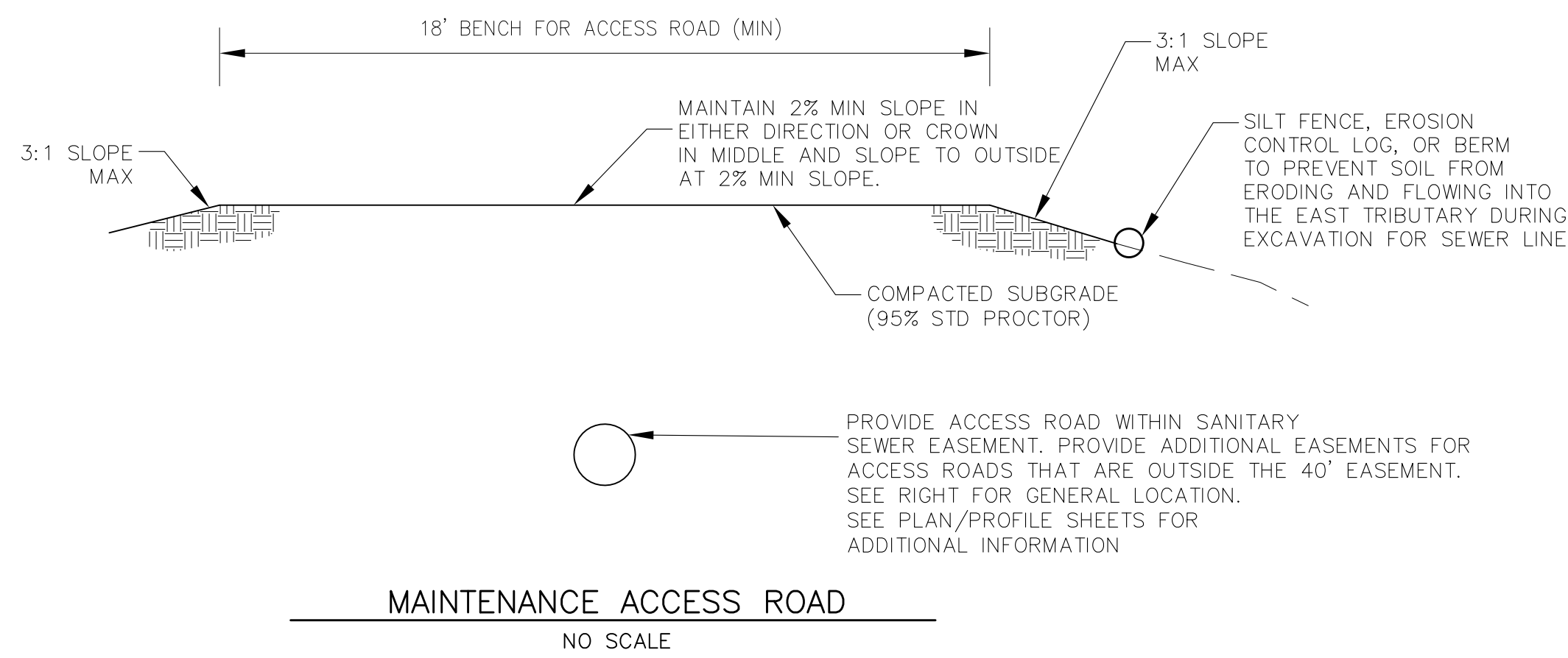
PROJECT NO.
100.041

SHEET NUMBER
C1.2

TOTAL SHEETS: 14



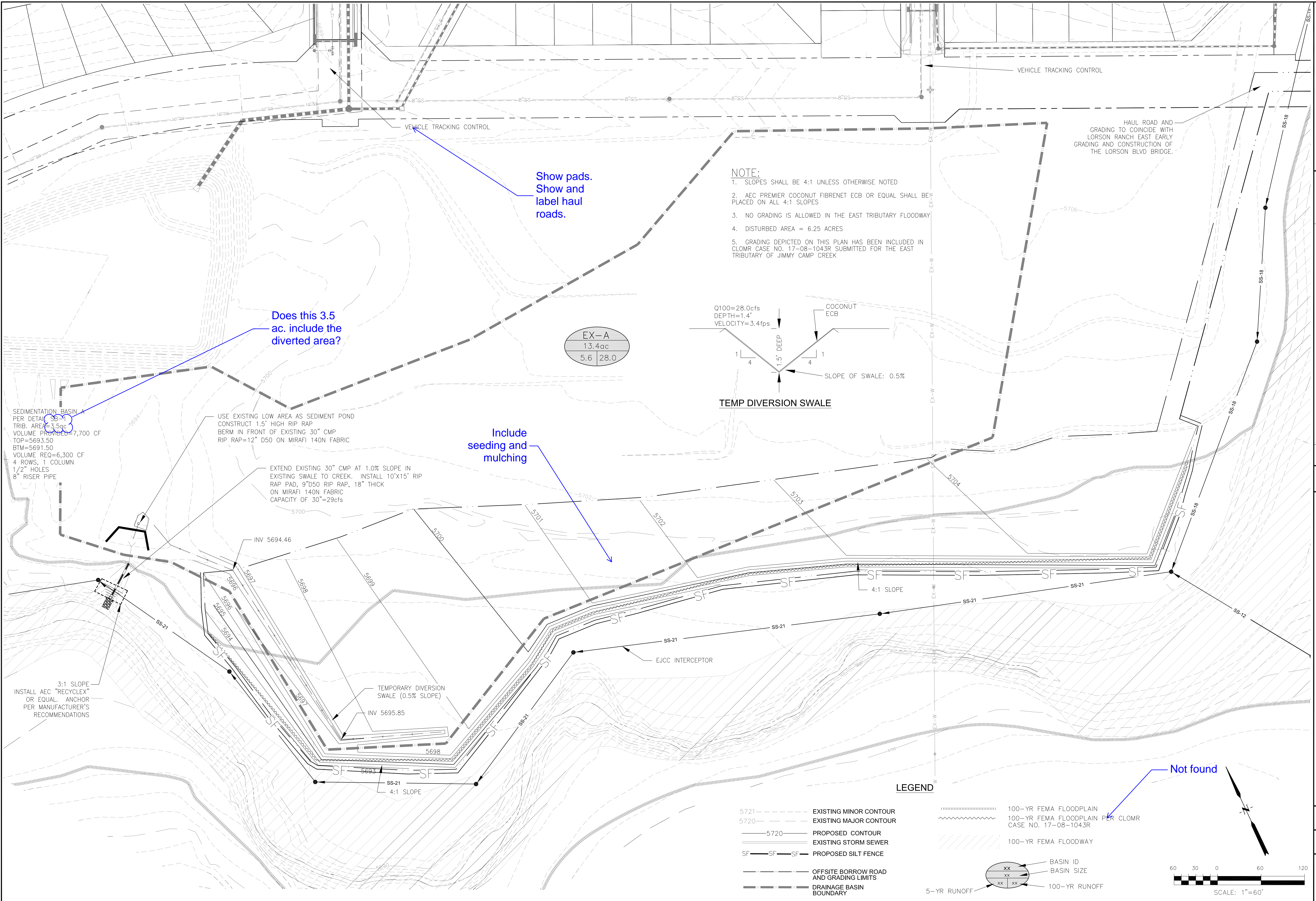
TYPICAL SECTION 100' R.O.W.
PROPOSED FONTAINE BLVD
NOT TO SCALE



MAINTENANCE ACCESS ROAD
NO SCALE

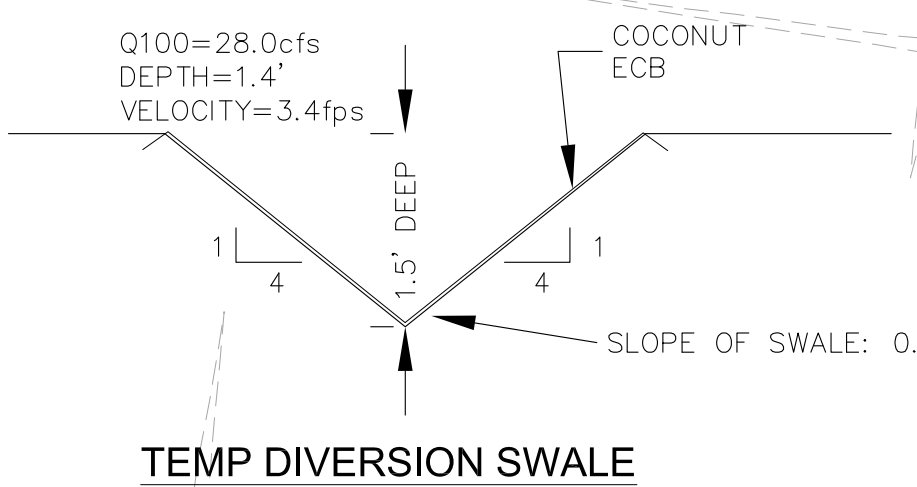
BEGIN PHASE 1
INTERCEPTOR
CONSTRUCTION.
ACCESS FROM
EXISTING 35' SAN SWR
EASEMENT.
REC. NO. 208055334





- NOTE:**
- SLOPES SHALL BE 4:1 UNLESS OTHERWISE NOTED
 - AEC PREMIER COCONUT FIBRENET ECB OR EQUAL SHALL BE PLACED ON ALL 4:1 SLOPES
 - NO GRADING IS ALLOWED IN THE EAST TRIBUTARY FLOODWAY
 - DISTURBED AREA = 6.25 ACRES
 - GRADING DEPICTED ON THIS PLAN HAS BEEN INCLUDED IN CLOMR CASE NO. 17-08-1043R SUBMITTED FOR THE EAST TRIBUTARY OF JIMMY CAMP CREEK

EX-A	
13.4ac	
5.6	28.0



SEDIMENTATION BASIN A
 PER DETAIL SB-1
 TRIB. AREA=3.5ac
 VOLUME PROVIDED=7,700 CF
 TOP=5693.50
 BTM=5691.50
 VOLUME REQ=6,300 CF
 4 ROWS, 1 COLUMN
 1/2" HOLES
 8" RISER PIPE

USE EXISTING LOW AREA AS SEDIMENT POND
 CONSTRUCT 1.5' HIGH RIP RAP
 BERM IN FRONT OF EXISTING 30" CMP
 RIP RAP=12" D50 ON MIRAFI 140N FABRIC

EXTEND EXISTING 30" CMP AT 1.0% SLOPE IN
 EXISTING SWALE TO CREEK. INSTALL 10'X15' RIP
 RAP PAD, 9"D50 RIP RAP, 18" THICK
 ON MIRAFI 140N FABRIC
 CAPACITY OF 30"=29cfs

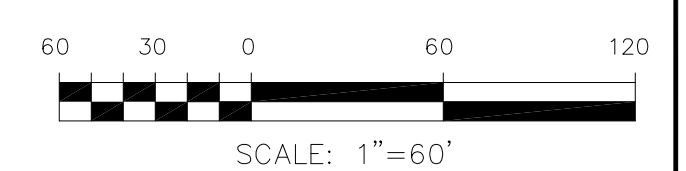
3:1 SLOPE
 INSTALL AEC "RECYCLEX"
 OR EQUAL. ANCHOR
 PER MANUFACTURER'S
 RECOMMENDATIONS

TEMPORARY DIVERSION
 SWALE (0.5% SLOPE)
 INV 5695.85

LEGEND

- 5721 --- EXISTING MINOR CONTOUR
- 5720 --- EXISTING MAJOR CONTOUR
- 5720 --- PROPOSED CONTOUR
- EXISTING STORM SEWER
- SF --- SF --- SF --- PROPOSED SILT FENCE
- OFFSITE BORROW ROAD AND GRADING LIMITS
- DRAINAGE BASIN BOUNDARY
- 100-YR FEMA FLOODPLAIN
- 100-YR FEMA FLOODPLAIN PER CLOMR CASE NO. 17-08-1043R
- 100-YR FEMA FLOODWAY
- BASIN ID
- BASIN SIZE
- 5-YR RUNOFF
- 100-YR RUNOFF

Not found



CORE ENGINEERING GROUP
 1500 S. 1ST AVENUE, SUITE 100
 DENVER, CO 80202
 PH: 719.570.1100
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: Rich@ceg1.com

NO.	DESCRIPTION	DATE
1		X
X		X

PREPARED FOR: **LORSON, LLC**
 212 N. WAHSATCH AVE., SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 (719) 635-3200
 CONTACT: JEFF MARK

PROJECT: **EAST JCC INTERCEPTOR**
 FONTANE BLVD., LORSON BLVD.
 EL PASO COUNTY, COLORADO

DRAWN: LJA
 DESIGNED: RLS
 CHECKED: RLS

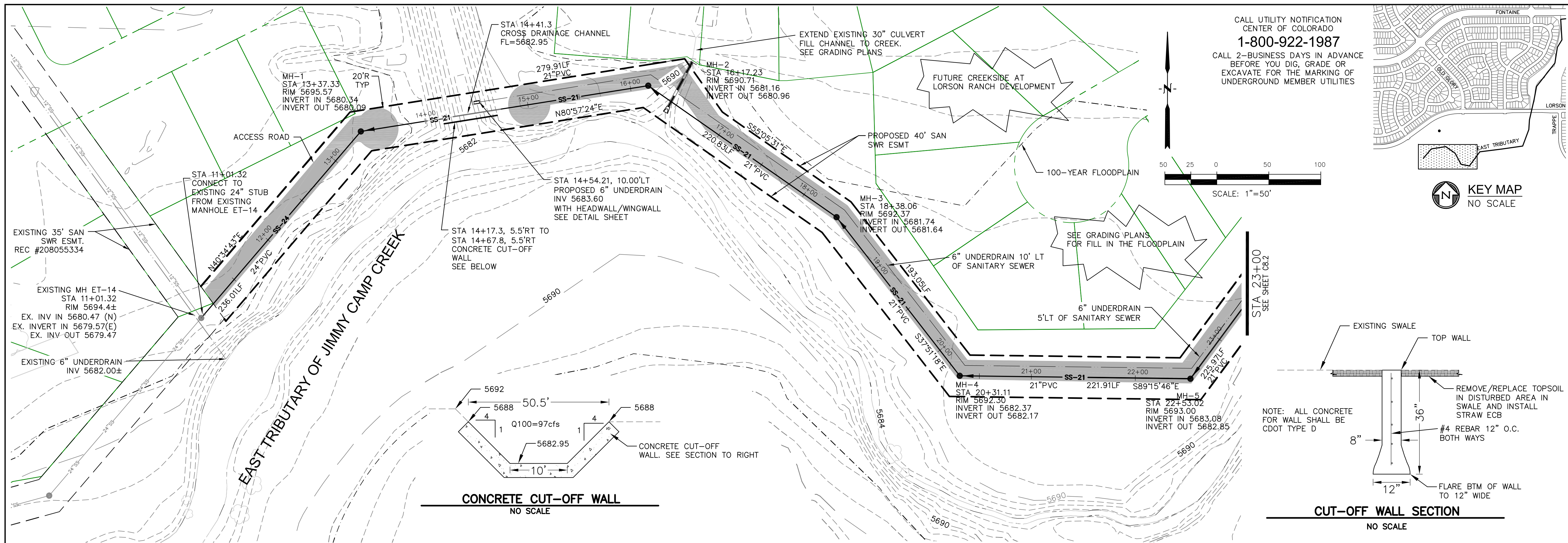
EJCC GRADING
EAST JIMMY CAMP CREEK INTERCEPTOR

DATE: **SEPTEMBER 8, 2017**

PROJECT NO.: **100.041**

SHEET NUMBER: **C4.1**

TOTAL SHEETS: **14**



CORE ENGINEERING GROUP
 15004 1ST AVENUE, S.E.
 BLDG 100, SUITE 100
 PH: 719.656.7800
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: RICH@CEGI.COM

DATE: _____

DESCRIPTION: _____

NO. _____

PROJECT: **EAST JCC INTERCEPTOR**
 LORSON, LLC
 212 N. WAHSATCH AVENUE, SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 CONTACT: JEFF MARK

PREPARED FOR: **EAST JCC INTERCEPTOR**
 LORSON BLVD-EAST TRIBUTARY
 EL PASO COUNTY, COLORADO

DRAWN: RLS
 DESIGNED: RLS
 CHECKED: RLS

EAST JIMMY CAMP CREEK INTERCEPTOR		SCALES: HORIZ. 1"=50' VERT. 1"=5'	
5710			5710
5705			5705
5700			5700
5695			5695
5690			5690
5685			5685
5680			5680
5675			5675
5670			5670
10+00	11+00	12+00	13+00
14+00	15+00	16+00	17+00
18+00	19+00	20+00	21+00
22+00	23+00		

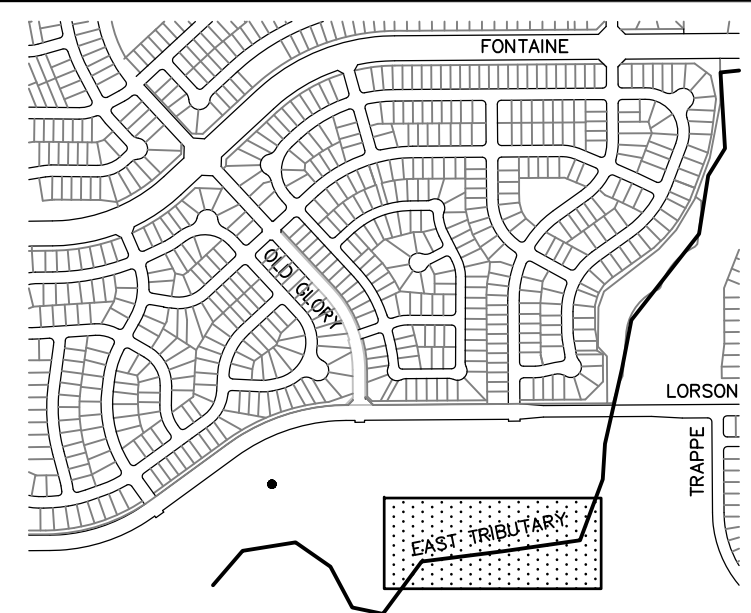
EAST JCC INTERCEPTOR
 STA 10+00 TO 23+00
 EAST TRIBUTARY

DATE: **SEPTEMBER 8, 2017**

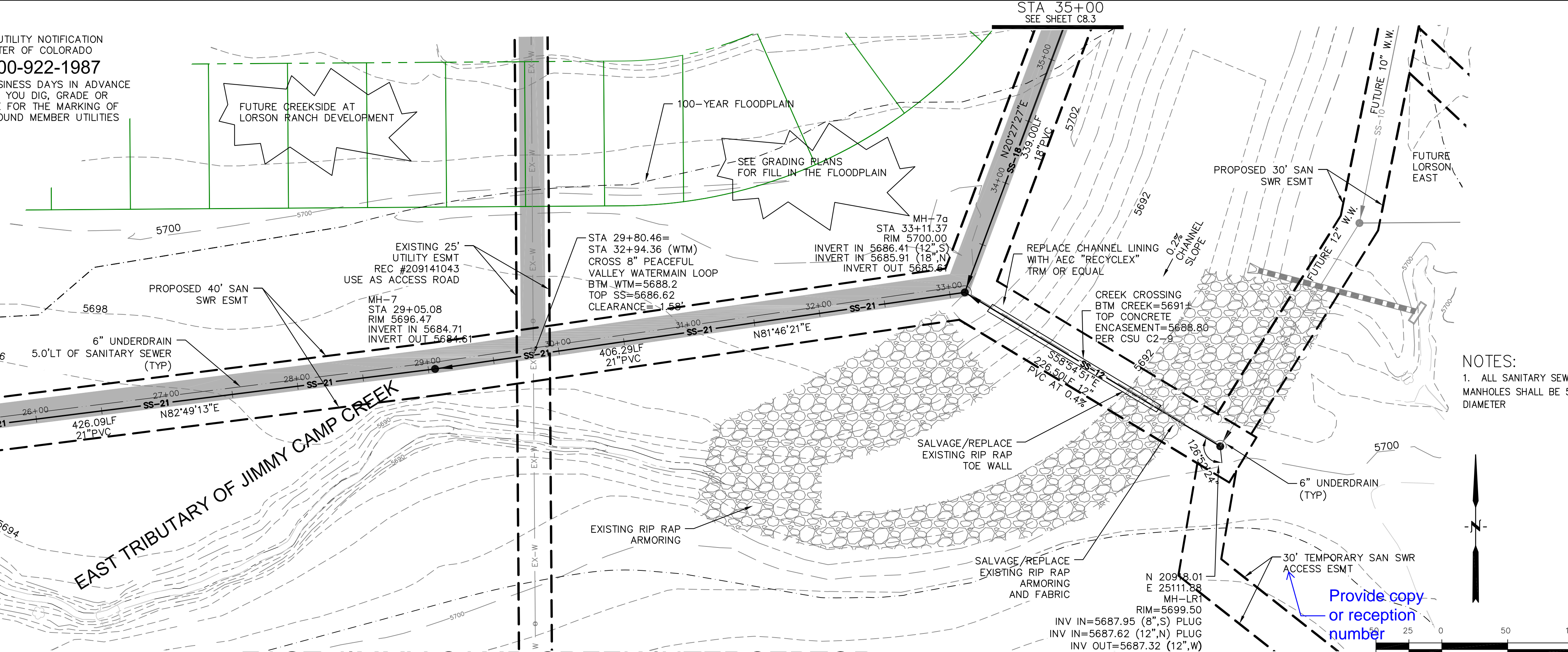
PROJECT NO. **100.041**

SHEET NUMBER **C8.1**

TOTAL SHEETS: 14

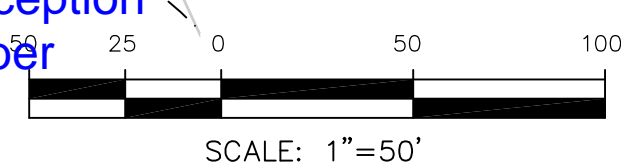


CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE OR
EXCAVATE FOR THE MARKING OF
UNDERGROUND MEMBER UTILITIES



EAST JIMMY CAMP CREEK INTERCEPTOR

NOTES:
1. ALL SANITARY SEWER
MANHOLES SHALL BE 5'
DIAMETER



Station	Notes	Station
5710		5710
5705		5705
5700		5700
5695		5695
5690	EXISTING GRADE AT CENTERLINE PIPE	5690
5685	FILL AREA BETWEEN EXISTING WATERMAIN AND SANITARY SEWER WITH PEA GRAVEL 6" PVC UNDERDRAIN FLOWLINE @ 0.1% 21" PVC @ 0.22% 339.00 LF 18" PVC @ 0.40%	5685
5680	STA 29+80.46 CROSS 8" PEACEFUL VALLEY WATERMAIN LOOP BTM WTM=5688.2 TOP SS=5686.62 CLEARANCE= 1.58'	5680
5675		5675
5670		5670

SCALES: HORIZ. 1"=50'
VERT. 1"=5'

CORE ENGINEERING GROUP
1500K 1ST AVENUE, SUITE 100
DENVER, CO 80202
PHONE: 303.733.7800
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: RICH@CEG1.COM

DATE: _____
DESCRIPTION: _____
NO. _____
DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

PREPARED FOR:
LORSON, LLC
212 N. WAHSATCH AVENUE, SUITE 301
COLORADO SPRINGS, COLORADO 80903
CONTACT: JEFF MARK

PROJECT:
EAST JCC INTERCEPTOR
LORSON BLVD-EAST TRIBUTARY
EL PASO COUNTY, COLORADO

EAST JCC INTERCEPTOR
STA 23+00 TO 35+00
EAST TRIBUTARY

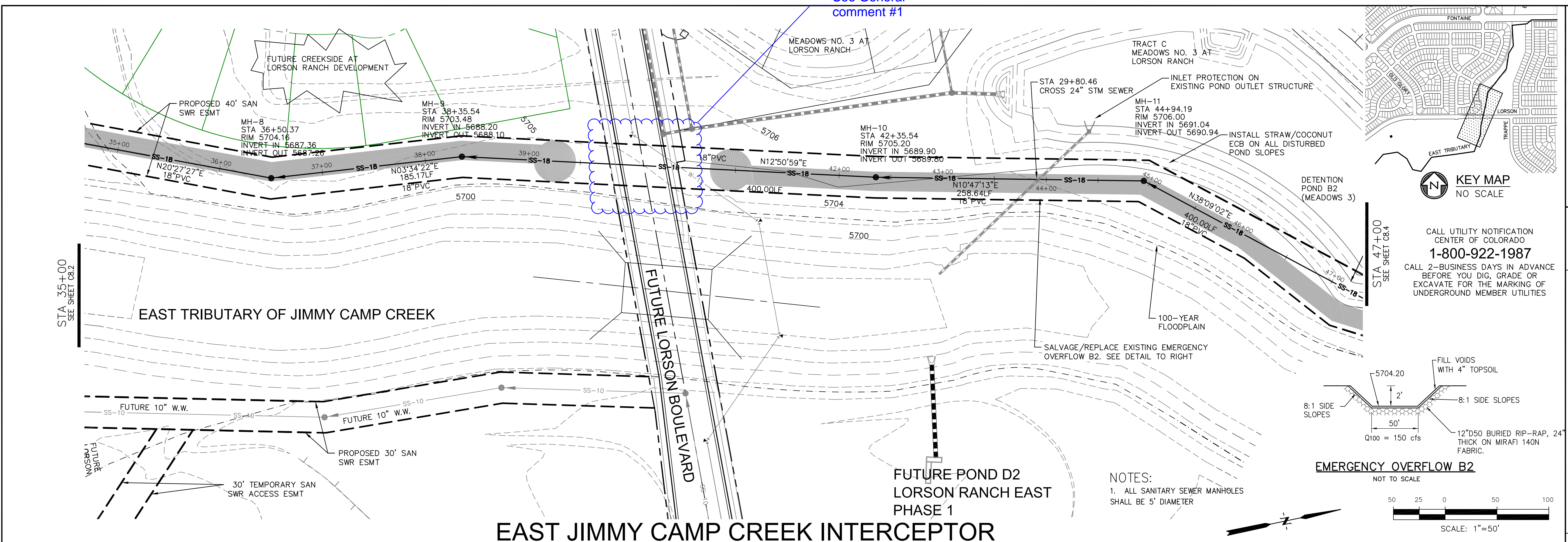
DATE:
SEPTEMBER 8, 2017

PROJECT NO.
100.041

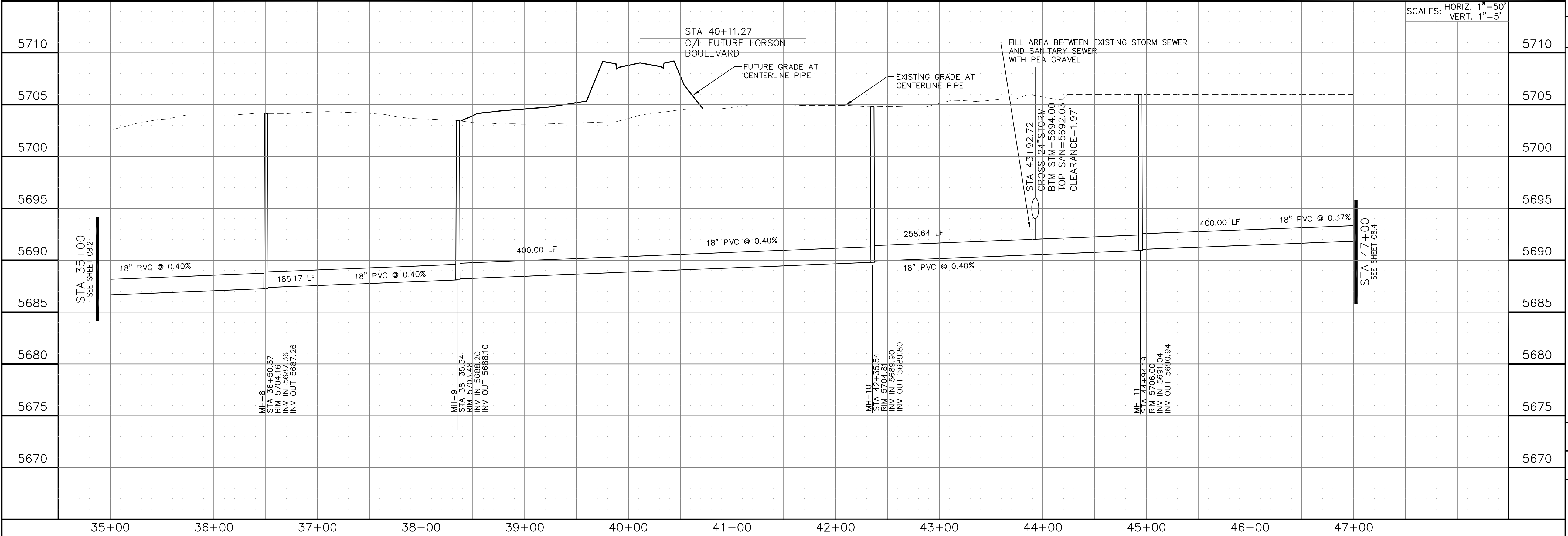
SHEET NUMBER
C8.2

TOTAL SHEETS: 14

See General comment #1



EAST JIMMY CAMP CREEK INTERCEPTOR

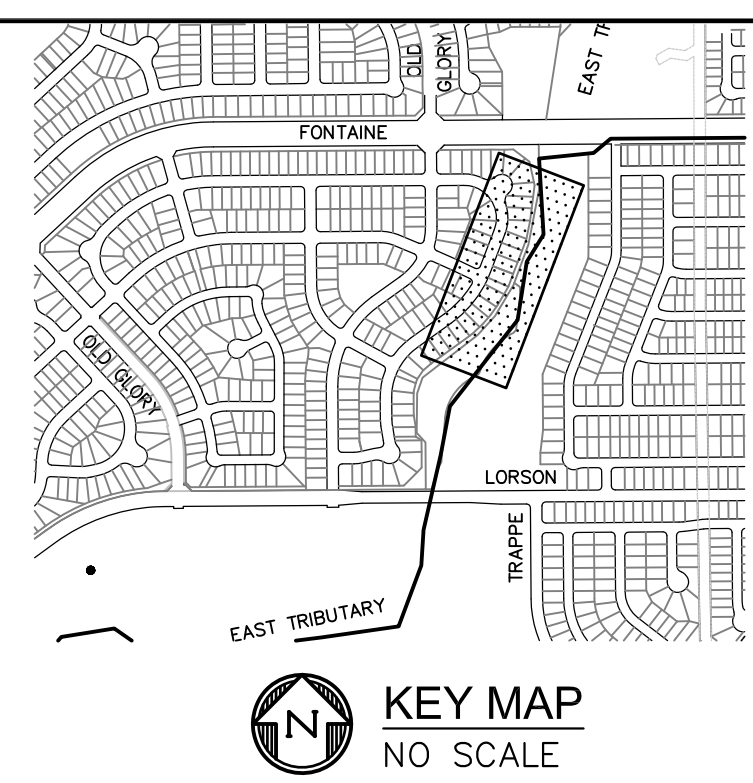
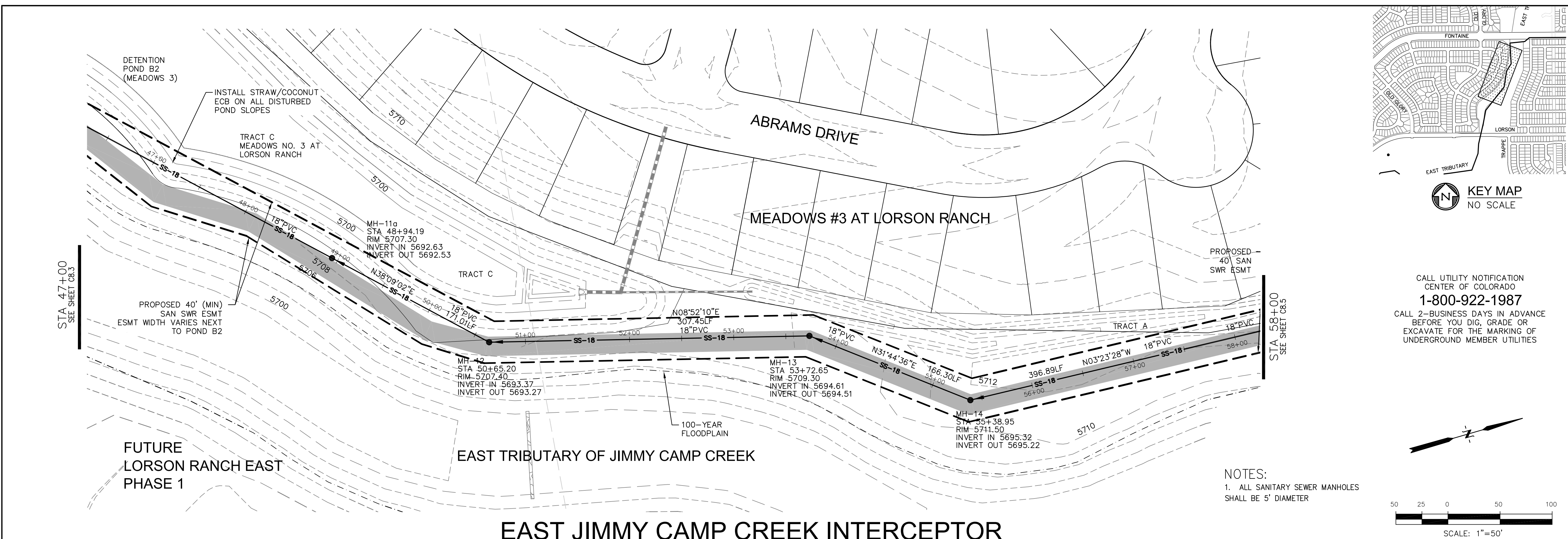


CORE ENGINEERING GROUP
1500K 1ST AVE. SUITE 100
DENVER, CO 80202
PHONE: 303.733.7800
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: RICH@CEGI.COM

LORSION, LLC
212 N. WAHSATCH AVENUE, SUITE 301
COLORADO SPRINGS, COLORADO 80903
CONTACT: JEFF MARK

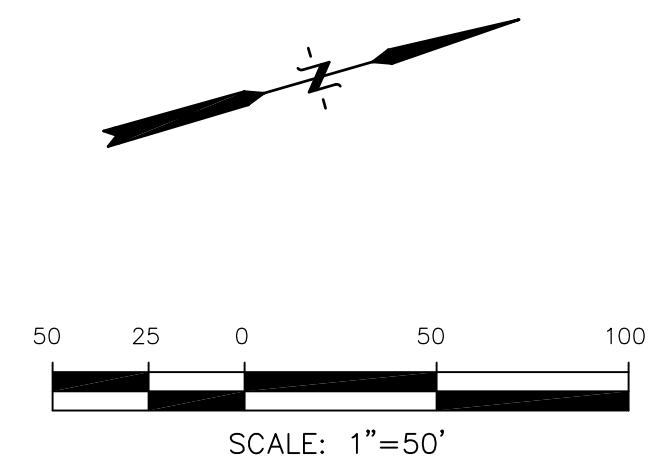
EAST JCC INTERCEPTOR
LORSION BLVD-EAST TRIBUTARY
EL PASO COUNTY, COLORADO

DATE: SEPTEMBER 8, 2017
PROJECT NO. 100.041
SHEET NUMBER **C8.3**
TOTAL SHEETS: 14



CALL UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NOTES:
 1. ALL SANITARY SEWER MANHOLES SHALL BE 5' DIAMETER



EAST JIMMY CAMP CREEK INTERCEPTOR

Station	Notes	Station	Notes
5725		5725	
5720		5720	
5715		5715	
5710		5710	
5705		5705	
5700		5700	
5695	171.01 LF 18" PVC @ 0.37%	5695	18" PVC @ 0.37%
5690		5690	
5685		5685	
47+00		48+00	
49+00		50+00	
51+00		52+00	
53+00		54+00	
55+00		56+00	
57+00		58+00	

CORE ENGINEERING GROUP
 1500K 1ST AVENUE, S.E.
 DENVER, CO 80202
 PH: 719.556.7800
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: RICH@CEG1.COM

DATE: _____

DESCRIPTION: _____

NO. _____

PREPARED FOR: **LORSON, LLC**
 212 N. WAHSATCH AVENUE, SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 CONTACT: JEFF MARK

PROJECT: **EAST JCC INTERCEPTOR**
 LORSON BLVD-EAST TRIBUTARY
 EL PASO COUNTY, COLORADO

DRAWN: RLS
 DESIGNED: RLS
 CHECKED: RLS

EAST JCC INTERCEPTOR
STA 47+00 TO 58+00
EAST TRIBUTARY

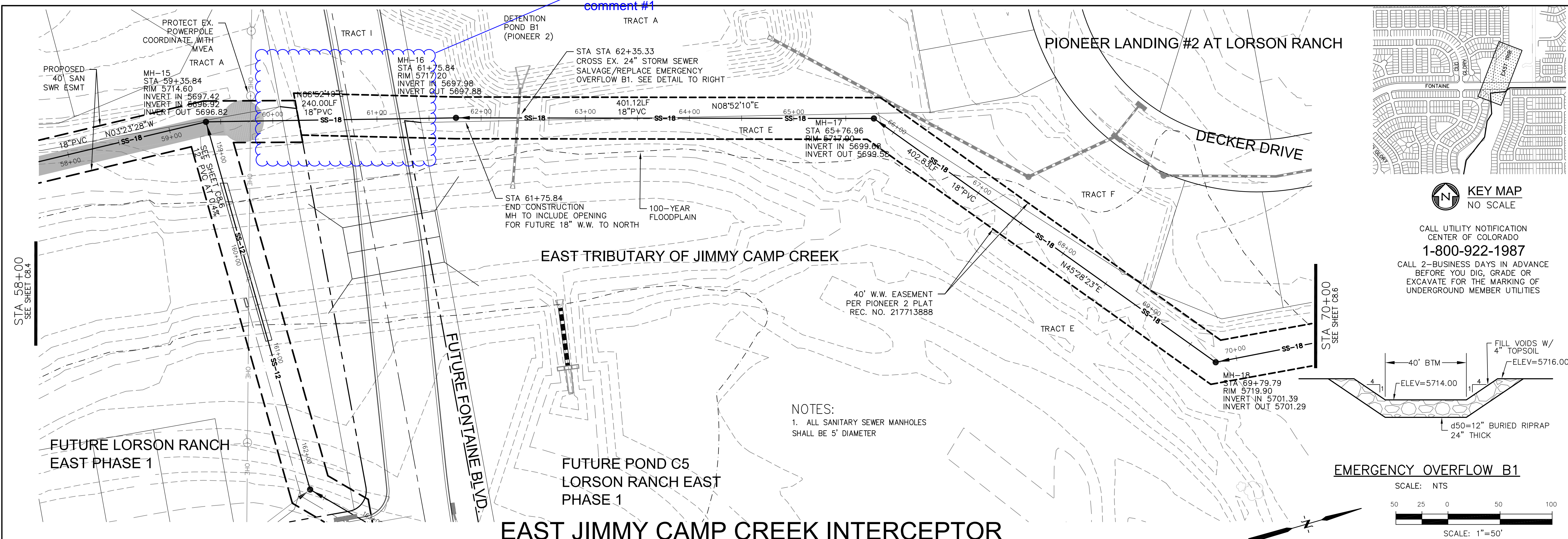
DATE: **SEPTEMBER 8, 2017**

PROJECT NO. **100.041**

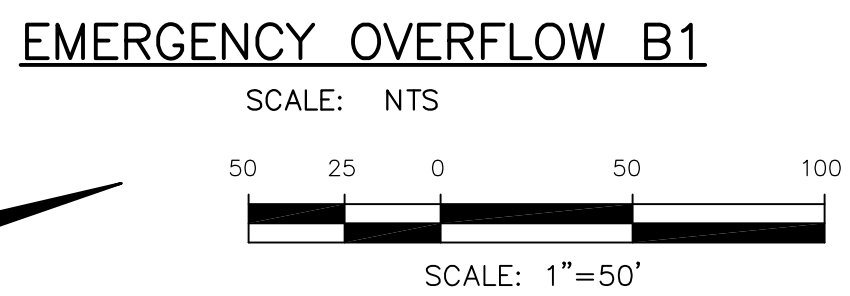
SHEET NUMBER **C8.4**

TOTAL SHEETS: 14

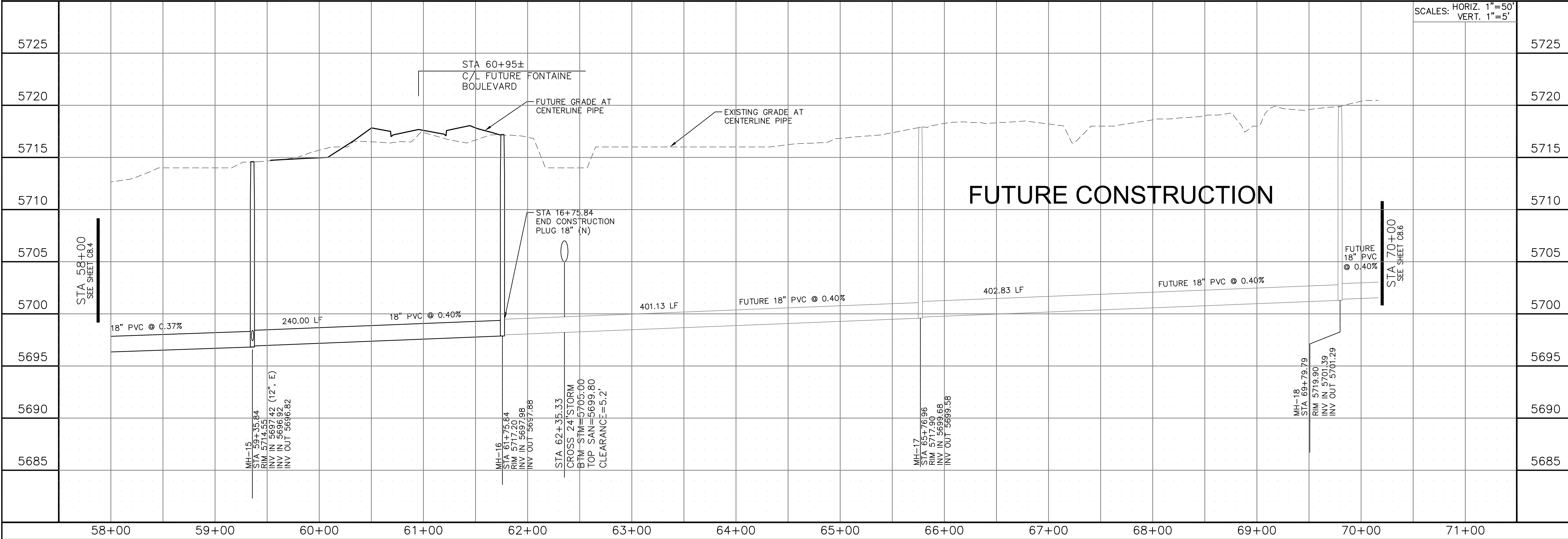
See General comment #1



NOTES:
1. ALL SANITARY SEWER MANHOLES SHALL BE 5' DIAMETER



EAST JIMMY CAMP CREEK INTERCEPTOR



SCALES: HORIZ. 1"=50'
VERT. 1"=5'

CORE ENGINEERING GROUP
1500K 151E AVENUE, SUITE 301
P.O. BOX 719
COLORADO SPRINGS, COLORADO 80903
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: RICH@CEG1.COM

LORSON, LLC
212 N. WAHSATCH AVENUE, SUITE 301
COLORADO SPRINGS, COLORADO 80903
CONTACT: JEFF MARK

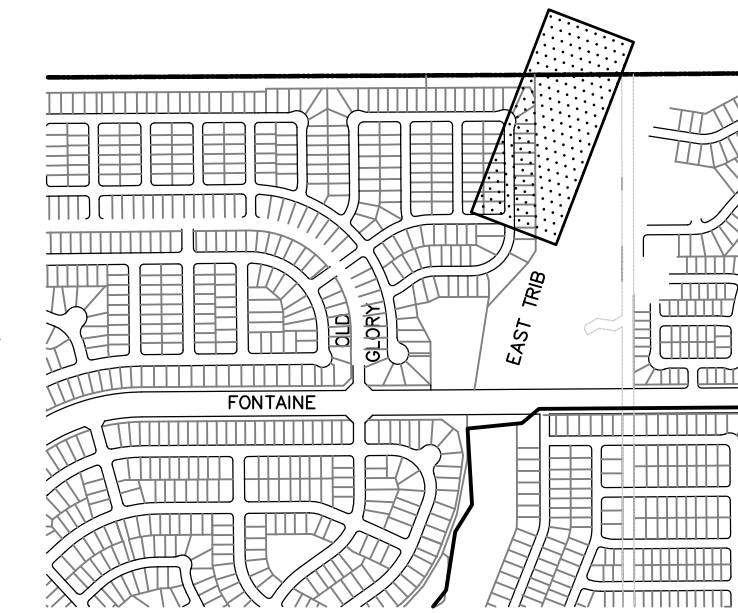
EAST JCC INTERCEPTOR
LORSON BLVD-EAST TRIBUTARY
EL PASO COUNTY, COLORADO

DATE: SEPTEMBER 8, 2017
PROJECT NO. 100.041
SHEET NUMBER **C8.5**
TOTAL SHEETS: 14

PIONEER LANDING #2 AT LORSON RANCH

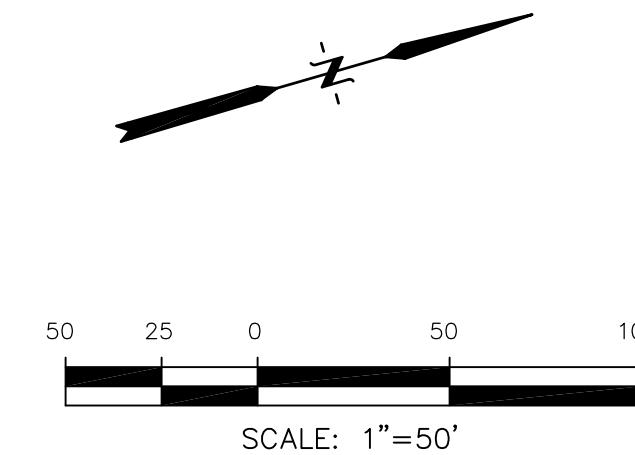
CITY OF COLORADO SPRINGS

DECKER DRIVE



KEY MAP
NO SCALE

CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE OR
EXCAVATE FOR THE MARKING OF
UNDERGROUND MEMBER UTILITIES



CORE
ENGINEERING GROUP
1500K 1ST AVENUE, SUITE 5506
P.O. BOX 7800
COLORADO SPRINGS, COLORADO 80903
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: RICH@CEGI.COM

DATE: _____
DESCRIPTION: _____
NO. _____
DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

PREPARED FOR:
LORSON, LLC
212 N. WAHSATCH AVENUE, SUITE 301
COLORADO SPRINGS, COLORADO 80903
CONTACT: JEFF MARK

PROJECT:
**EAST JCC
INTERCEPTOR**
LORSON BLVD-EAST TRIBUTARY
EL PASO COUNTY, COLORADO

STA 70+00
SEE SHEET C8.4

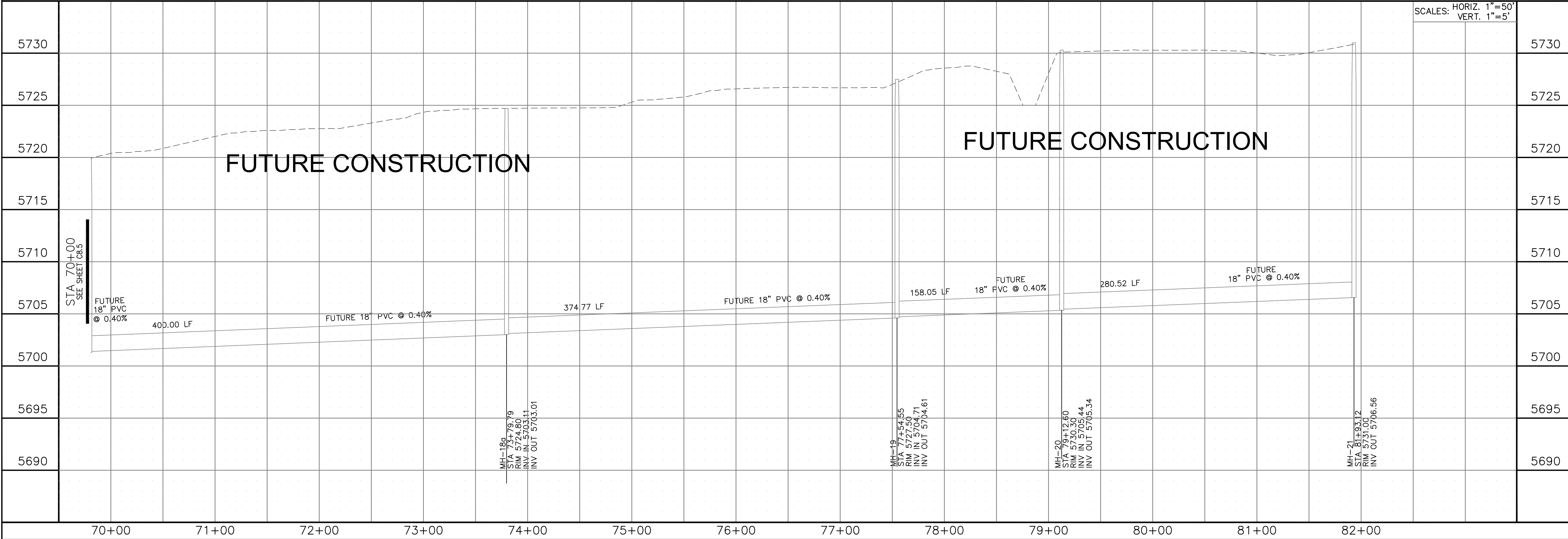
STA 70+00
SEE SHEET C8.5

EAST JIMMY CAMP CREEK INTERCEPTOR

FUTURE CONSTRUCTION

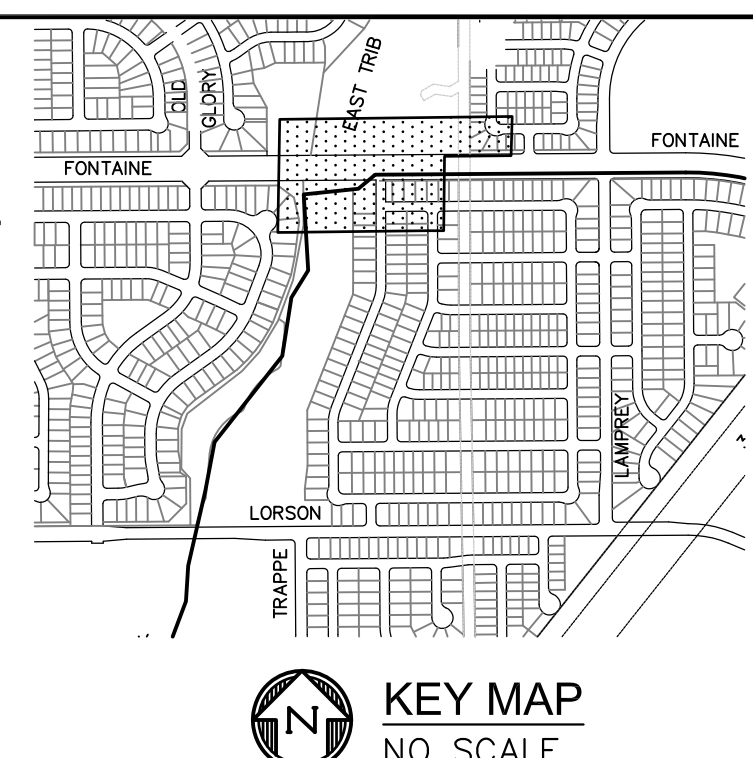
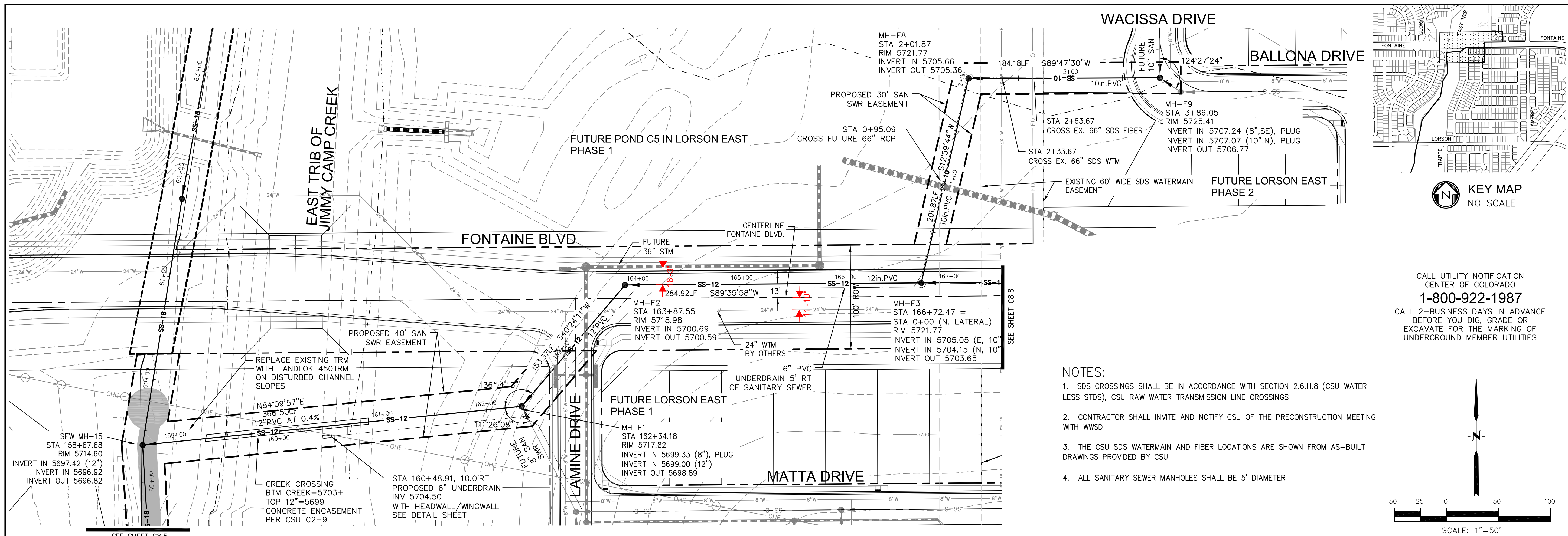
FUTURE CONSTRUCTION

SCALES: HORIZ. 1"=50'
VERT. 1"=5'

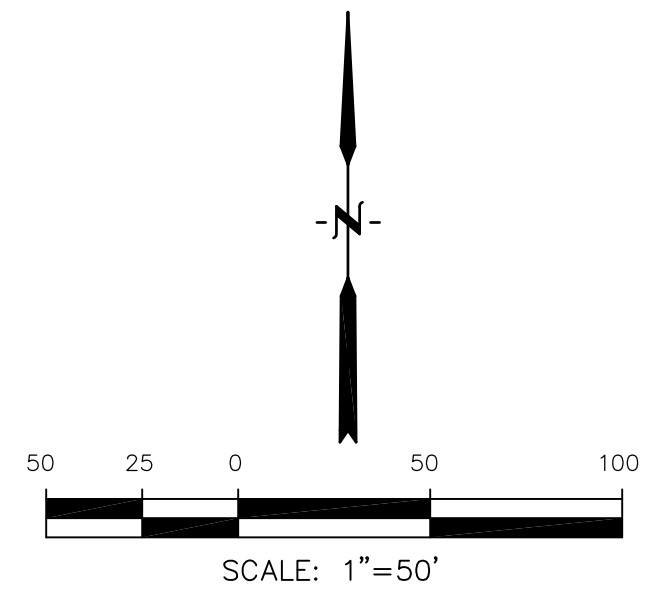


EAST JCC INTERCEPTOR
STA 70+00 TO 82+00
EAST TRIBUTARY

DATE: SEPTEMBER 8, 2017
PROJECT NO. 100.041
SHEET NUMBER **C8.6**
TOTAL SHEETS: 14



CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE OR
EXCAVATE FOR THE MARKING OF
UNDERGROUND MEMBER UTILITIES



- NOTES:**
1. SDS CROSSINGS SHALL BE IN ACCORDANCE WITH SECTION 2.6.H.8 (CSU WATER LESS STDS), CSU RAW WATER TRANSMISSION LINE CROSSINGS
 2. CONTRACTOR SHALL INVITE AND NOTIFY CSU OF THE PRECONSTRUCTION MEETING WITH WUSD
 3. THE CSU SDS WATERMAIN AND FIBER LOCATIONS ARE SHOWN FROM AS-BUILT DRAWINGS PROVIDED BY CSU
 4. ALL SANITARY SEWER MANHOLES SHALL BE 5' DIAMETER

FONTAINE BOULEVARD		FONTAINE NORTH LATERAL	
STA	DESCRIPTION	STA	DESCRIPTION
5730		5730	
5725		5725	
5720		5720	
5715	EAST TRIBUTARY OF JIMMY CAMP CREEK	5715	
5710	STA 160+48.91, 10' RT 6" UNDERDRAIN INV=5704.50 WITH HEADWALL/WINGWALL. SEE DETAIL SHEET	5710	MH-F9 STA 3+86.05 RIM 5725.41 INVERT IN 5707.24 (8" SE), PLUG INVERT IN 5707.07 (10" N), PLUG INVERT OUT 5706.77
5705	FL OF 6" UNDERDRAIN AT 0.15%	5705	10" PVC @ 0.60% 184.19 LF
5700	12" PVC @ 0.40% 366.50 LF	5700	10" PVC @ 0.60% 201.87 LF
5695	STA 159+30 TO 160+86 CONCRETE ENCASUREMENT SEE CSU DETAIL C2-9	5695	MH-F3 STA 166+72.47 RIM 5721.77 INVERT IN 5705.05 (10" N), PLUG INVERT IN 5704.15 (10" N), INVERT OUT 5703.65 (12")
5690	MH-F1 STA 162+34.18 RIM 5717.82 INVERT IN 5699.33 (8") PLUG INVERT IN 5700.69 INVERT OUT 5698.89	5690	MH-F8 STA 2+01.87 RIM 5719.66 INVERT IN 5705.66 INVERT OUT 5703.36
	MH-F2 STA 163+87.55 RIM 5718.98 INVERT IN 5700.69 INVERT OUT 5700.59		STA 3+38 FL OF 6" UNDERDRAIN MATCH SAN SWR GRADE SEE DETAIL SHEET
	MH-F3 STA 166+72.47 RIM 5721.77 INVERT IN 5705.05 (10" N), PLUG INVERT IN 5704.15 (10" N), INVERT OUT 5703.65 (12")		STA 2+33.67 CROSS 66" SDS WATERMAIN BTM SAN=5705.85 TOP SDS FIBER=5703.83 CLEARANCE=2.02'
	MH-F4 STA 167+74.5 RIM 5718.98 INVERT IN 5700.69 INVERT OUT 5700.59		STA 2+63.67 CROSS SDS FIBER BTM SAN=5706.03 TOP SDS FIBER=5703.83 CLEARANCE=2.2'
	MH-F5 STA 168+76.5 RIM 5718.98 INVERT IN 5700.69 INVERT OUT 5700.59		
	MH-F6 STA 169+78.5 RIM 5718.98 INVERT IN 5700.69 INVERT OUT 5700.59		
	MH-F7 STA 170+80.5 RIM 5718.98 INVERT IN 5700.69 INVERT OUT 5700.59		
	MH-F8 STA 2+01.87 RIM 5719.66 INVERT IN 5705.66 INVERT OUT 5703.36		
	MH-F9 STA 3+86.05 RIM 5725.41 INVERT IN 5707.24 (8" SE), PLUG INVERT IN 5707.07 (10" N), PLUG INVERT OUT 5706.77		
	159+00		0+00
	160+00		1+00
	161+00		2+00
	162+00		3+00
	163+00		4+00
	164+00		
	165+00		
	166+00		
	167+00		

CORE ENGINEERING GROUP
1500K 1ST AVENUE, SUITE 300
DENVER, CO 80202
PHONE: 719.556.7800
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: RICH@CEG1.COM

PREPARED FOR:
LORSON, LLC
212 N. WAHSATCH AVENUE, SUITE 301
COLORADO SPRINGS, COLORADO 80903
CONTACT: JEFF MARK

PROJECT:
EAST JCC INTERCEPTOR
LORSON BLVD-EAST TRIBUTARY EL PASO COUNTY, COLORADO

DATE:
SEPTEMBER 8, 2017

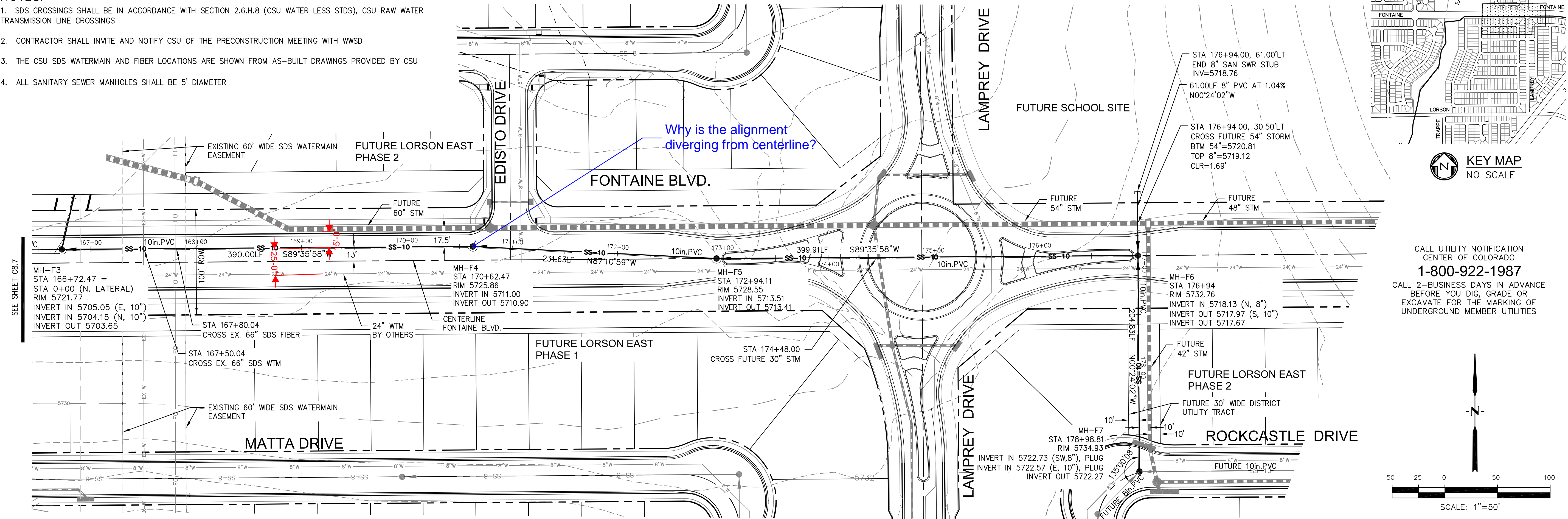
PROJECT NO.:
100.041

SHEET NUMBER:
C8.7

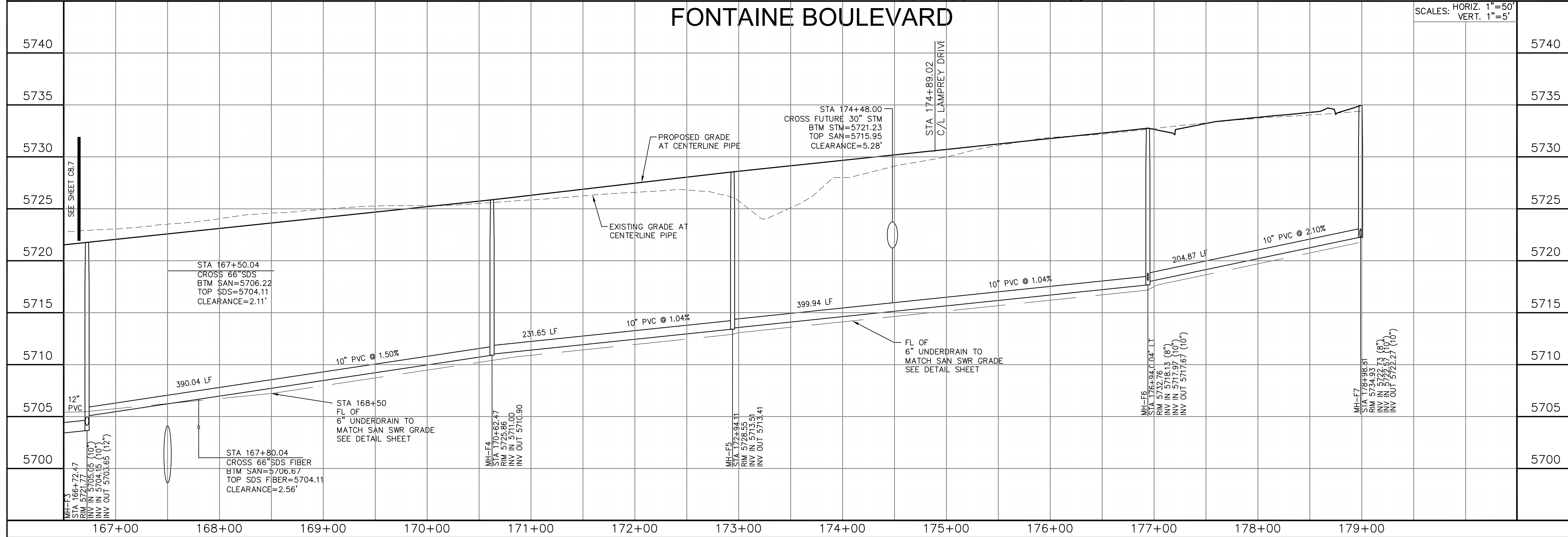
TOTAL SHEETS: 14

NOTES:

1. SDS CROSSINGS SHALL BE IN ACCORDANCE WITH SECTION 2.6.H.8 (CSU WATER LESS STDS), CSU RAW WATER TRANSMISSION LINE CROSSINGS
2. CONTRACTOR SHALL INVITE AND NOTIFY CSU OF THE PRECONSTRUCTION MEETING WITH WMSD
3. THE CSU SDS WATERMAIN AND FIBER LOCATIONS ARE SHOWN FROM AS-BUILT DRAWINGS PROVIDED BY CSU
4. ALL SANITARY SEWER MANHOLES SHALL BE 5' DIAMETER



FONTAINE BOULEVARD



CORE ENGINEERING GROUP

1500K 1ST AVENUE, SUITE 100
DENVER, CO 80202
PHONE: 719.558.7800
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: RICH@CEGI.COM

EAST JCC INTERCEPTOR

212 N. WAHSATCH AVENUE, SUITE 301
COLORADO SPRINGS, COLORADO 80903
PHONE: (719) 635-3200
CONTACT: JEFF MARK

FONTAINE BOULEVARD LATERAL

STA 166+72 TO 179+00

FONTAINE BLVD.

DATE: SEPTEMBER 8, 2017
PROJECT NO. 100.041
SHEET NUMBER **C8.8**
TOTAL SHEETS: 14

STRUCTURAL DETAILS FOR
CAISSONS TO BE SUBMITTED
AFTER A GEOTECHNICAL
REPORT AND BORINGS ARE
COMPLETED

UTILITY DETAILS
 EAST JIMMY CAMP CREEK INTERCEPTOR

DATE
 SEPTEMBER 8, 2017

PROJECT NO.
 100.041

SHEET NUMBER
S1

TOTAL SHEETS: 14

DRAWN: LJA
 DESIGNED: RLS
 CHECKED: RLS

PROJECT:
 EAST JCC INTERCEPTOR
 FONTAINE BLVD., LORSON BLVD.
 EL PASO COUNTY, COLORADO

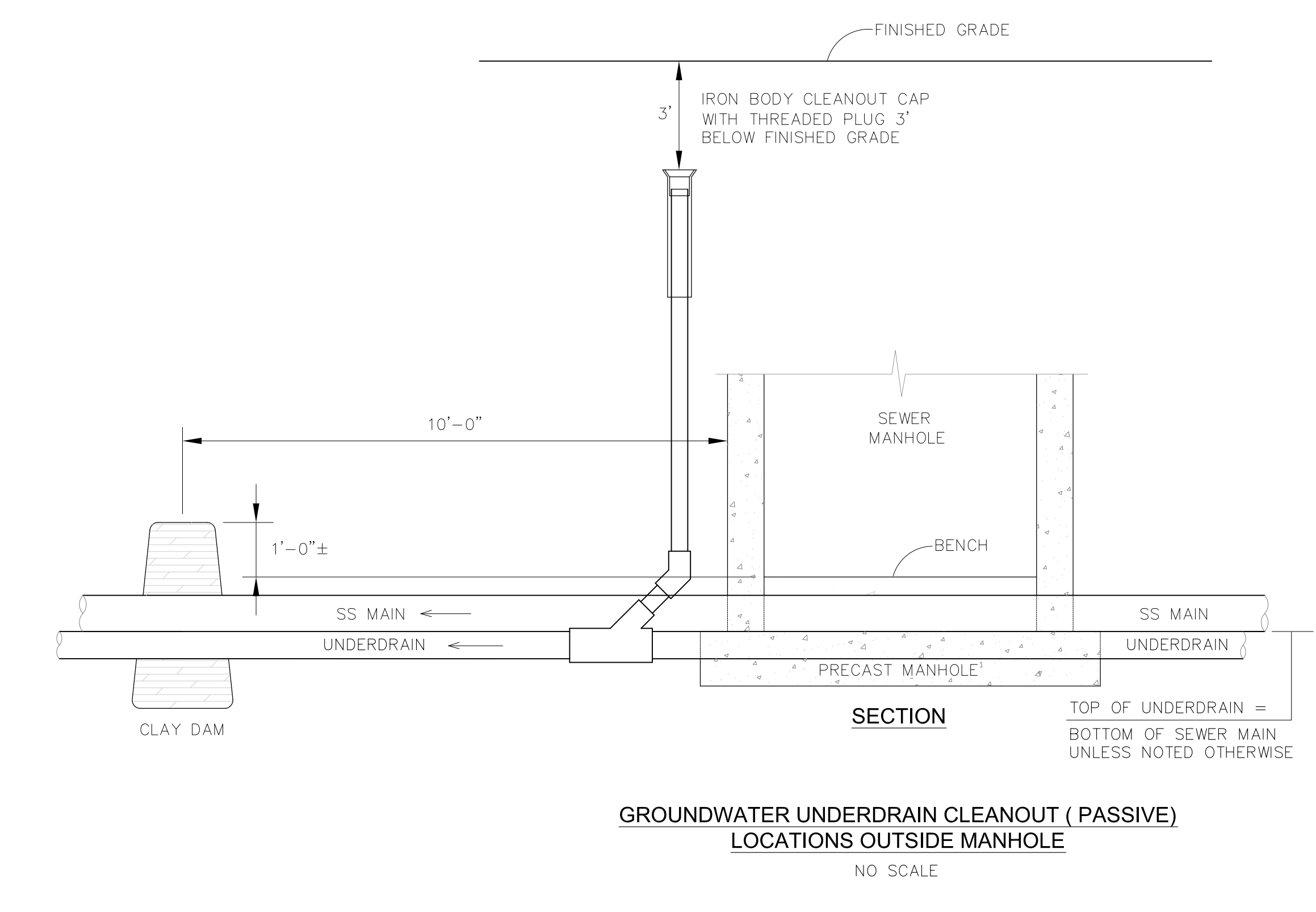
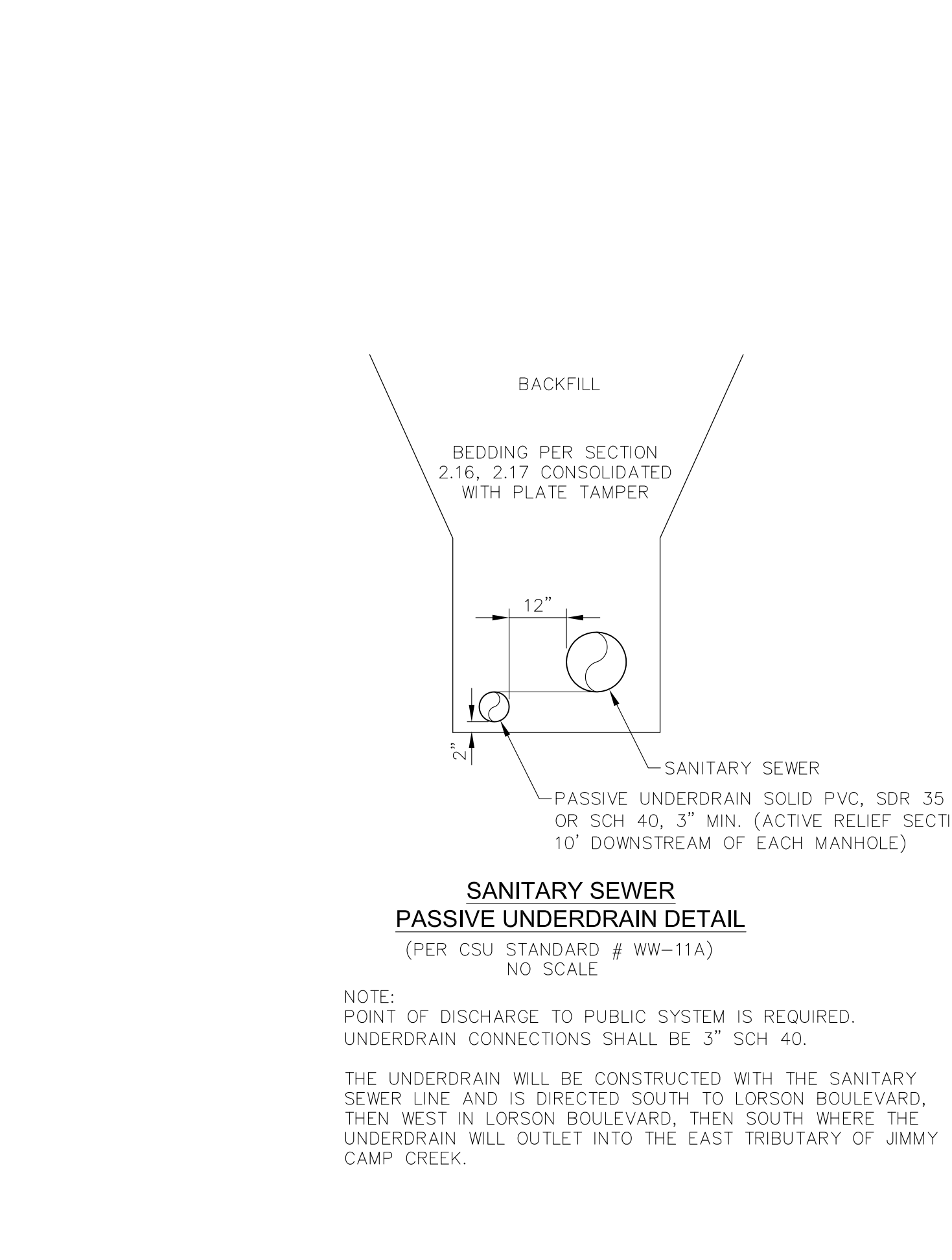
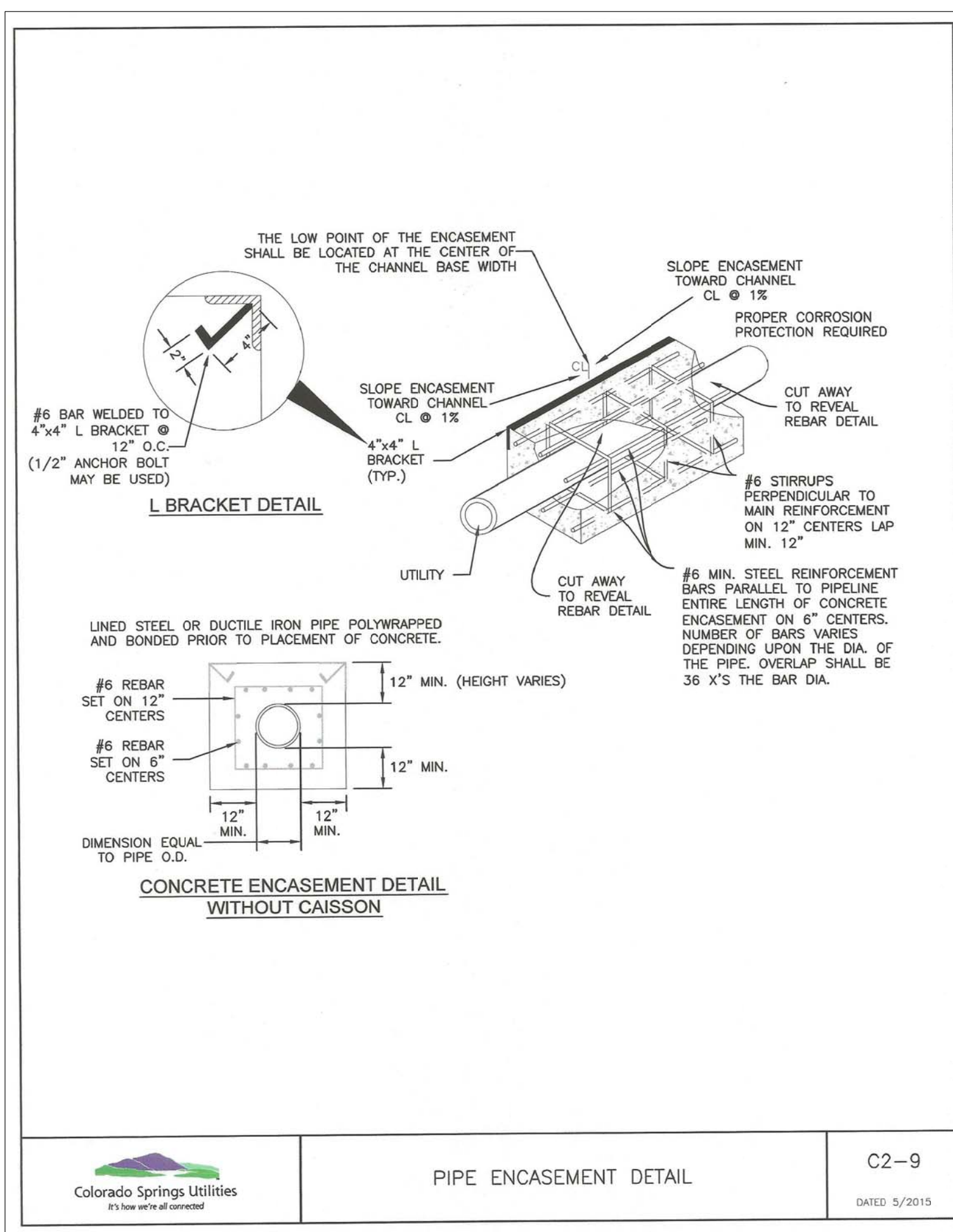
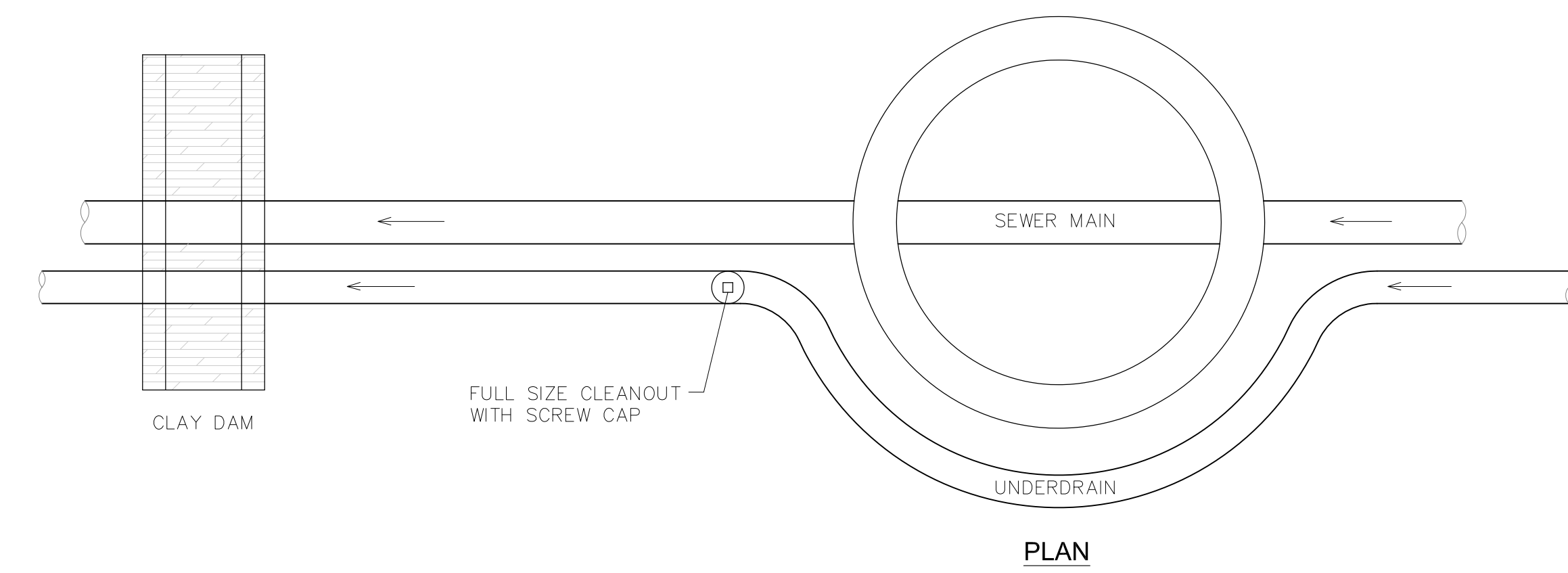
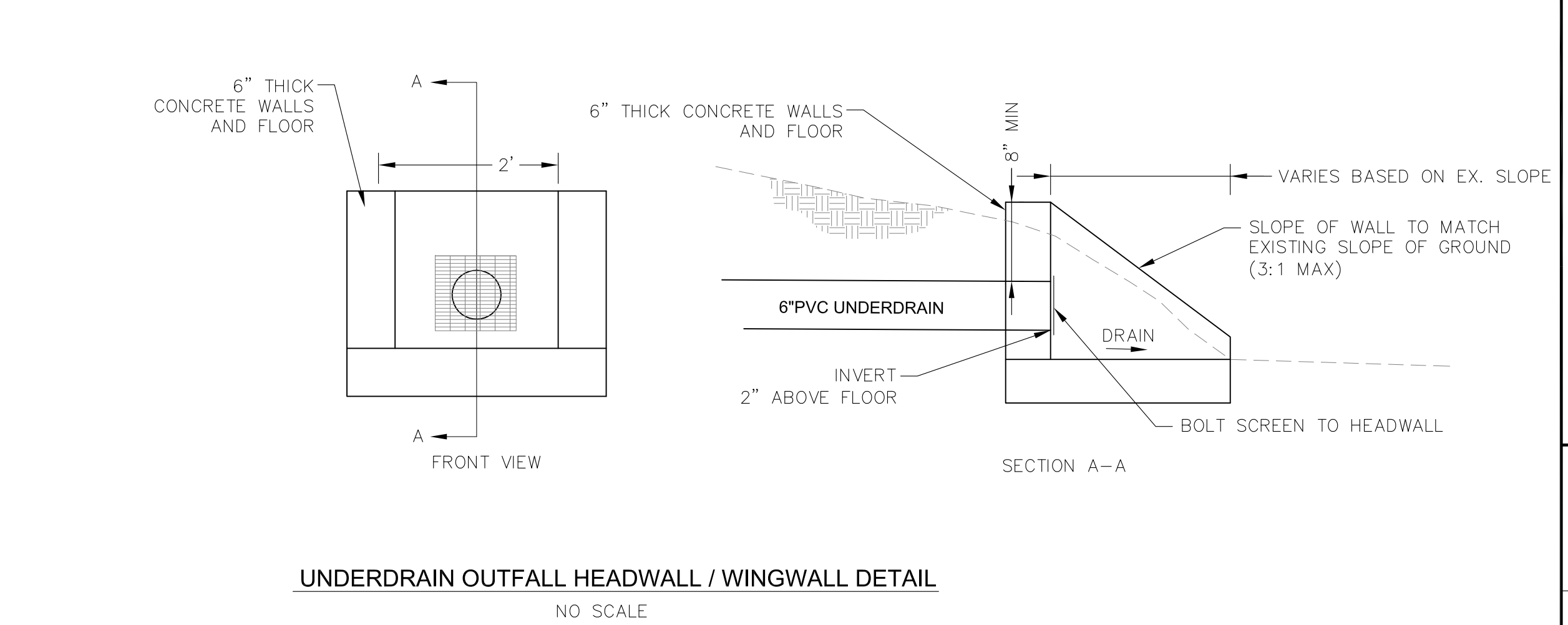
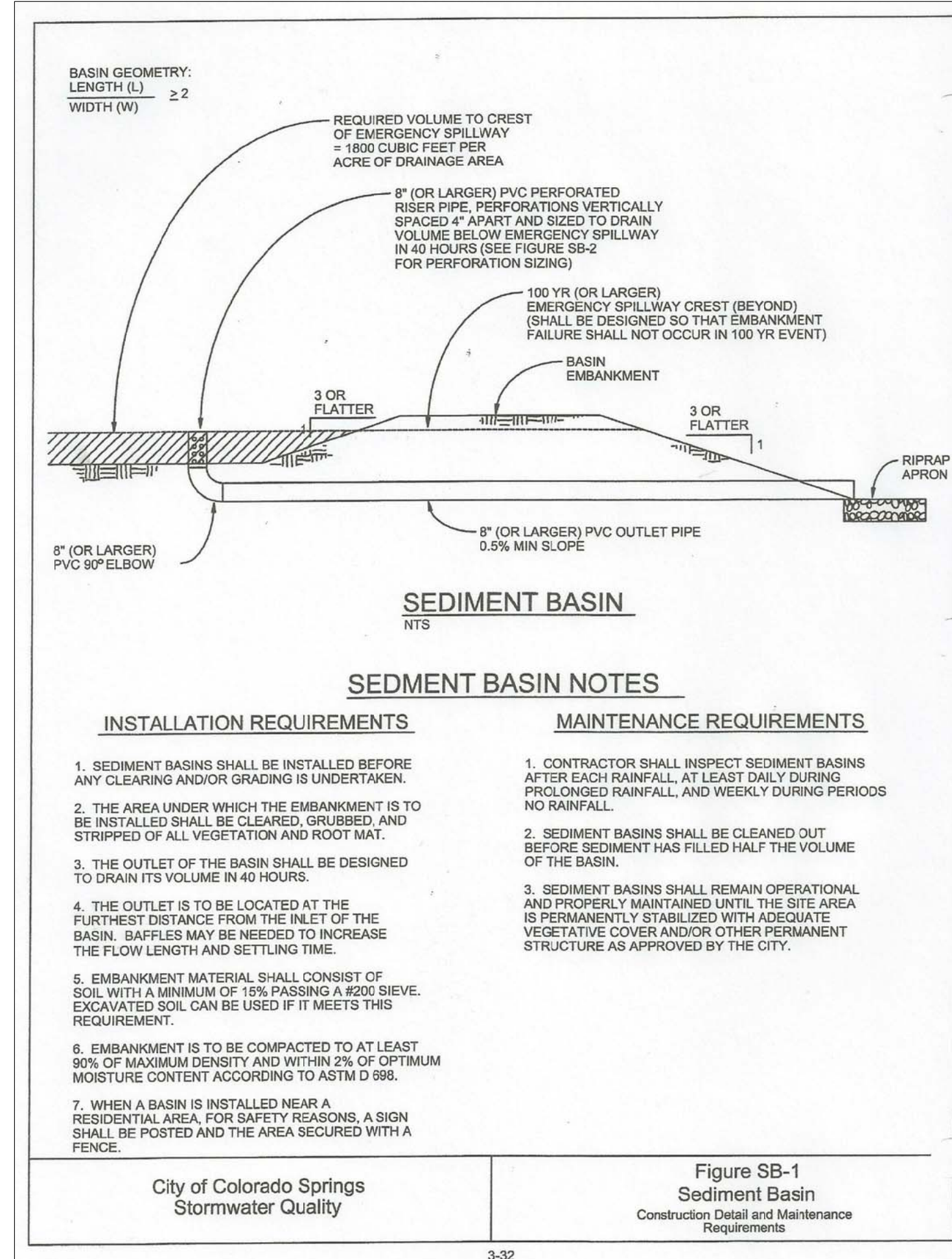
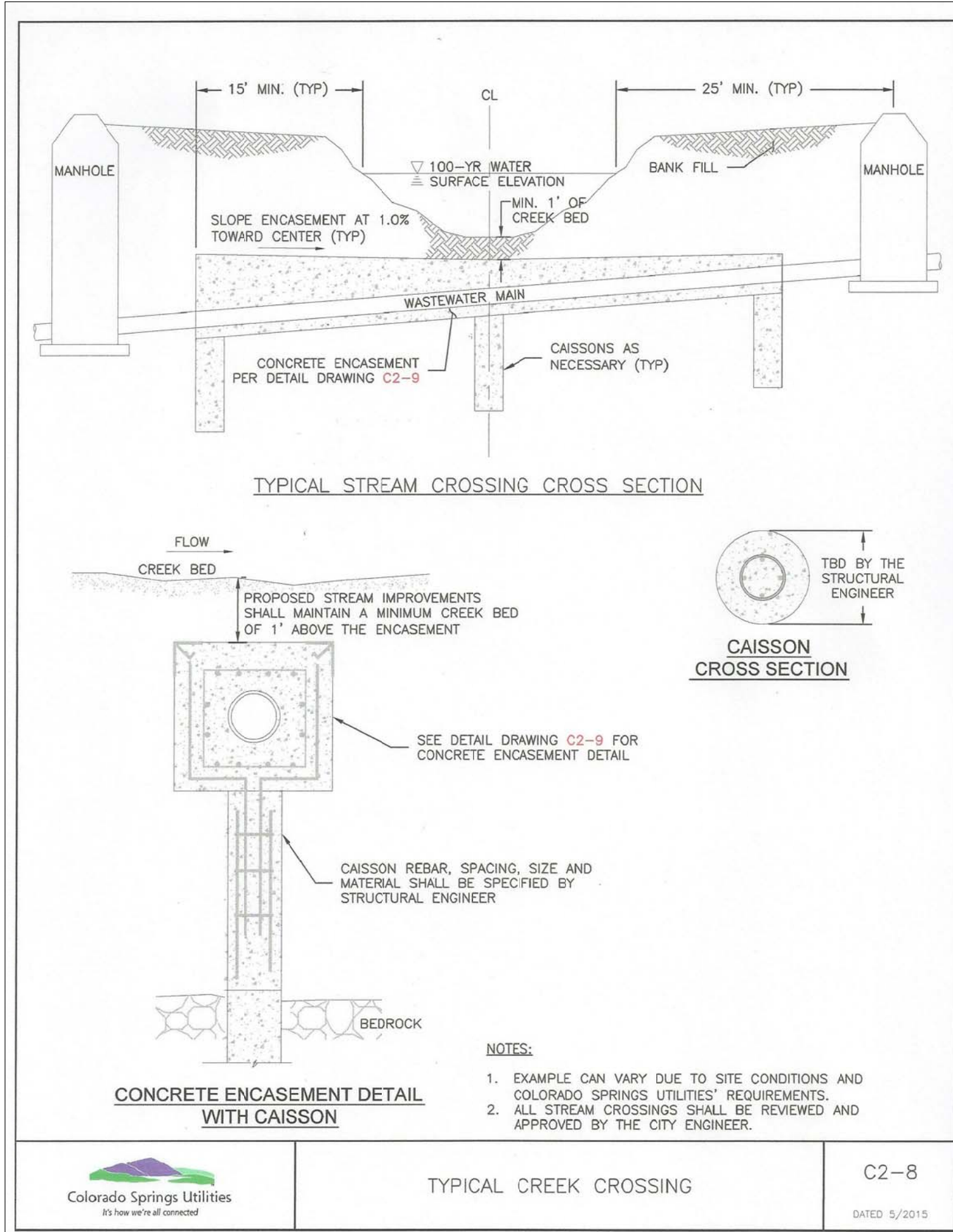
PREPARED FOR:
 LORSON, LLC
 212 N. WAHSATCH AVE., SUITE 301
 COLORADO SPRINGS, COLORADO 80903
 (719) 635-3200
 CONTACT: JEFF MARK

NO. DATE

1. X

DESCRIPTION

X



CORE ENGINEERING GROUP

1500 15TH AVENUE, SUITE 300
BOULDER, CO 80506
PH: 719.570.1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@c-eg1.com

DATE: X
DESCRIPTION: X
NO. 1: X

PREPARED FOR: **LORSON, LLC**
212 N. WAHSATCH AVE., SUITE 301
COLORADO SPRINGS, COLORADO 80903
(719) 635-3200
CONTACT: JEFF MARK

PROJECT: **EAST JCC INTERCEPTOR**
FONTANE BLVD., LORSON BLVD.
EL PASO COUNTY, COLORADO

DRAWN: LJA
DESIGNED: RLS
CHECKED: RLS

UTILITY DETAILS

EAST JIMMY CAMP CREEK INTERCEPTOR

DATE: **SEPTEMBER 8, 2017**

PROJECT NO.: **100.041**

SHEET NUMBER: **C12.1**

TOTAL SHEETS: **14**

Markup Summary

dsdrice (13)



Subject: Text Box

Provide a GEC details sheet

Page Label: 1

Lock: Unlocked

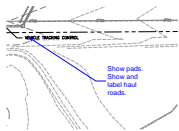
Status:

Checkmark: Unchecked

Author: dsdrice

Date: 10/4/2017 1:46:06 PM

Color: ■



Subject: Callout

Show pads. Show and label haul roads.

Page Label: 4

Lock: Unlocked

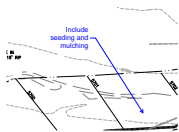
Status:

Checkmark: Unchecked

Author: dsdrice

Date: 10/4/2017 1:27:06 PM

Color: ■



Subject: Callout

Include seeding and mulching

Page Label: 4

Lock: Unlocked

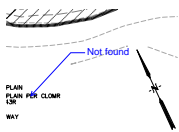
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Checkmark: Unchecked

Author: dsdrice

Date: 10/4/2017 1:18:57 PM

Color: ■



Subject: Callout

Not found

Page Label: 4

Lock: Unlocked

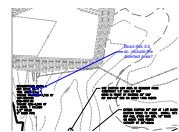
Status:

Checkmark: Unchecked

Author: dsdrice

Date: 10/4/2017 1:19:54 PM

Color: ■



Subject: Cloud+

Does this 3.5 ac. include the diverted area?

Page Label: 4

Lock: Unlocked

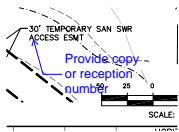
Status:

Checkmark: Unchecked

Author: dsdrice

Date: 10/4/2017 1:22:00 PM

Color: ■



Subject: Callout

Provide copy or reception number

Page Label: 6

Lock: Unlocked

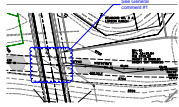
Status:

Checkmark: Unchecked

Author: dsdrice

Date: 10/2/2017 4:32:17 PM

Color: ■



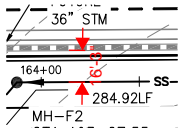
Subject: Cloud+
Page Label: 7
Lock: Unlocked
Status:
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Author: dsdrice
Date: 10/4/2017 1:11:23 PM
Color: ■

See General comment #1



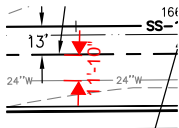
Subject: Cloud+
Page Label: 9
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Status:
Checkmark: Unchecked
Author: dsdrice
Date: 10/4/2017 1:10:54 PM
Color: ■

See General comment #1



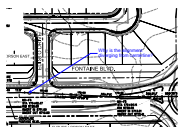
Subject: Length Measurement
Page Label: 11
Lock: Unlocked
Status:
Checkmark: Unchecked
Author: dsdrice
Date: 10/3/2017 9:28:15 AM
Color: ■

16'-3"



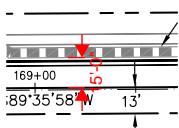
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Page Label: 11
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Status:
Checkmark: Unchecked
Author: dsdrice
Date: 10/3/2017 9:28:41 AM
Color: ■

11'-10"



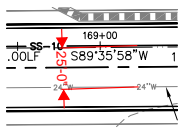
Subject: Callout
Page Label: 12
Lock: Unlocked
Status:
Checkmark: Unchecked
Author: dsdrice
Date: 10/3/2017 9:31:40 AM
Color: ■

Why is the alignment diverging from centerline?



Subject: Length Measurement
Page Label: 12
Lock: Unlocked
Status:
Checkmark: Unchecked
Author: dsdrice
Date: 10/3/2017 9:26:40 AM
Color: ■

15'-0"



Subject: Length Measurement

25'-0"

Page Label: 12

Lock: Unlocked

Status:

Checkmark: Unchecked

Author: dsdrice

Date: 10/3/2017 9:27:00 AM

Color: ■