

# ROLLIN RIDGE Filing No. 1 Grading & Erosion Control Plans El Paso County, Colo

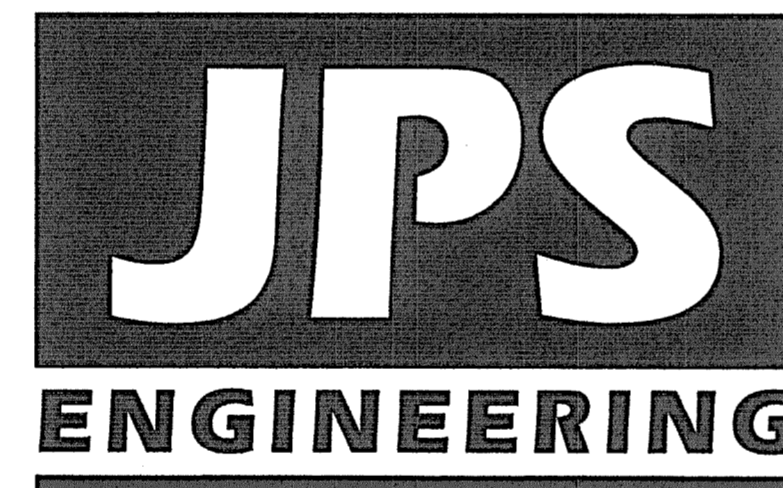
PREPARED FOR:

Review #1: Per ECM 5.10.6.B each sheet shall include the "Engineering Record Drawings, and stamped, signed and dated.

Review #2: Unresolved. Sign and date. See example from other record drawings submitted to County. The Engineer had an engineering record drawing block which includes their signature and date of signature of the engineering record drawings in accordance with the highlighted section of the criteria.

TC&C  
Colonial Park Drive  
80132

PREPARED BY:



PREPARED BY:

19 East Willamette Avenue  
Colorado Springs, Colorado 80903

March, 2022

**AGENCIES/CONTACTS**

DEVELOPER:	TC&C LLC 17572 COLONIAL PARK DRIVE MONUMENT, CO 80132 MR. CARL TURSE (719) 651-4013	GAS DEPARTMENT:	BLACK HILLS ENERGY MR. SEBASTIAN SCHWENDER (719)399-3176
CIVIL ENGINEER:	JPS ENGINEERING, INC. 19 E. WILLAMETTE AVENUE COLORADO SPRINGS, CO 80903 MR. JOHN P. SCHWAB, P.E. (719)477-9429	ELECTRIC DEPARTMENT:	MOUNTAIN VIEW ELECTRIC ASSOCIATION 11140 E. WOODMEN ROAD COLORADO SPRINGS, CO 80908 MR. DAVE WALDNER (719)495-2283
LOCAL ROADS & DRAINAGE:	EL PASO COUNTY PCO 2880 INTERNATIONAL CIRCLE COLORADO SPRINGS, CO 80910 (719) 520-6300	TELEPHONE COMPANY:	CENTURY LINK COMMUNICATIONS (LOCATORS) (800)922-1987  A.T. & T. (LOCATORS) (719)635-3674
STATE HIGHWAY	COLORADO DEPARTMENT OF TRANSPORTATION REGION 2 5615 WILLS BLVD. PUEBLO, CO 81008 MS. VALERIE SWORD (719)546-5407		

**GEC PLAN SHEET INDEX**

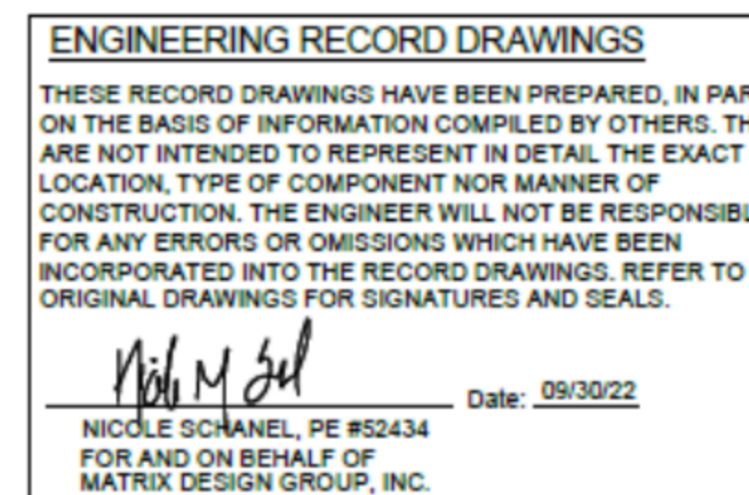
G1	TITLE SHEET
G2	GENERAL NOTES & LEGEND
C1.1	SITE GRADING & EROSION CONTROL PLAN
C1.2	NORTHEAST SITE GRADING & EROSION CONTROL PLAN
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C2.2	EROSION CONTROL DETAILS
C3.1	DETENTION POND A PLAN & DETAILS
C3.2	DETENTION POND B PLAN & DETAILS

**C. Record Drawings Approval Process.**

- To facilitate the approval process of Engineering Record drawings, the following procedure shall be followed:
- The permit holder's engineer of record shall submit the Engineering Record Drawings for ECM Administrator review in the applicable formats specified below.
  - The ECM Administrator will review the drawings and reline any necessary changes. The engineer of record shall update the drawings and resubmit the drawings for approval.
  - Upon ECM Administrator approval of the final Engineering Record Drawings, the drawings will be updated to the El Paso County Planning and Community Development (PCD) Electronic Development Application Review Program (EDARP). If there are multiple hardcopy sets the County will retain one set.
  - The Engineering Record Drawings shall clearly indicate the completed state of construction for the project. Each sheet of the record drawings shall be designated as "Engineering Record Drawings" and signed and dated by the engineer of record.
  - Financial assurances for the Engineering Record Drawings line item in the project Financial Assurance Estimate will not be released until the Engineering Record Drawings are submitted, verified and approved, nor will partial releases of any line item be reduced to less than 20%. It

ENGINEER:

DESIGN ENGINEER'S STATEMENT:



GRADING AND EROSION CONTROL PLAN WAS PREPARED UNDER MY DESIGN AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE REQUIREMENTS ESTABLISHED BY THE COUNTY FOR GRADING AND EROSION CONTROL. I ACCEPT RESPONSIBILITY FOR LIABILITY CAUSED BY NEGLIGENCE, ACTS, OR OMISSIONS ON MY PART IN PREPARING THIS PLAN.



SCHWAB, P.E. #29891

OWNER/DEVELOPER'S STATEMENT:

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN.

Carl Turse

TC&C LLC  
17572 COLONIAL PARK DRIVE  
MONUMENT, COLORADO 80132

EL PASO COUNTY:

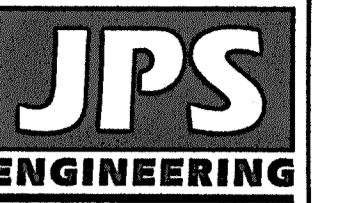
COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY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

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

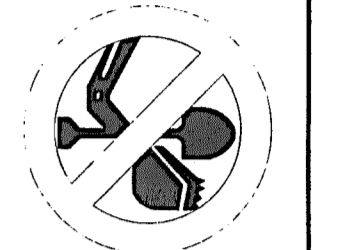
IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THEY WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW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

JENNIFER IRVINE, P.E.,  
COUNTY ENGINEER / ECM ADMINISTRATOR

PCD FILE NO. SF-19-022  
PCD FILE NO. SF-21-043



19 E. Willamette Ave.  
Colorado Springs, CO 80903  
PH: 719-477-9429  
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CALL UTILITY NOTIFICATION CENTER OF COLORADO  
1-800-922-1987  
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**ROLLIN RIDGE ESTATES - FILING NO. 1**

**GEC PLAN TITLE SHEET**

HORIZ. SCALE:	HS	DRAWN:	BJJ
VERT. SCALE:	VS	DESIGNED:	JPS
SURVEYED:	RAMPART	CHECKED:	JPS
CREATED:	8/13/19	LAST MODIFIED:	3/4/22
PROJECT NO.:	081702	MODIFIED BY:	BJJ
SHEET:			

**G1**



# ENGINEERING RECORD DRAWINGS

## COUNTY GENERAL NOTES:

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

## PROJECT GENERAL NOTES:

1. EXISTING CONTOUR DATA CONSISTS OF AERIAL TOPOGRAPHIC SURVEY DATA PROVIDED BY OWNER. JPS ENGINEERING TAKES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING TOPOGRAPHIC MAPPING.
2. STATIONING IS AT CENTERLINE UNLESS OTHERWISE NOTED. ALL ELEVATIONS ARE AT EDGE OF ASPHALT (EOA) UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE FROM EDGE OF ASPHALT TO EDGE OF ASPHALT UNLESS OTHERWISE NOTED.
3. PROPOSED CONTOURS SHOWN ARE TO FINISHED GRADE.
4. LENGTHS SHOWN FOR STORM SEWER PIPES ARE TO CENTER OF MANHOLE.
5. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING STRUCTURES, DEBRIS, WASTE AND OTHER UNSUITABLE FILL MATERIAL FOUND WITHIN THE LIMITS OF EXCAVATION.
6. MATCH INTO EXISTING GRADES AT 3:1 MAX CUT AND FILL SLOPES.
7. REVEGETATION OF ALL DISTURBED AREAS SHALL BE DONE WITH SPECIFIED SEED MIX WITHIN 60 DAYS AFTER FINE GRADING IS COMPLETE.
8. EROSION CONTROL SHALL CONSIST OF SILT FENCE AND BMP'S AS SHOWN ON THE DRAWING, AND TOPSOIL WITH GRASS SEED, WHICH WILL BE WATERED UNTIL VEGETATION HAS BEEN REESTABLISHED.
9. THE EROSION CONTROL MEASURES OUTLINED ON THIS PLAN ARE THE RESPONSIBILITY OF THE DEVELOPER TO MONITOR AND REPLACE, REGRADE, AND REBUILD AS NECESSARY UNTIL VEGETATION IS RE-ESTABLISHED.
10. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED IN A MANNER THAT WILL PROTECT ADJACENT PROPERTIES AND PUBLIC FACILITIES FROM THE ADVERSE EFFECTS OF EROSION AND SEDIMENTATION AS A RESULT OF CONSTRUCTION AND EARTHWORK ACTIVITIES WITHIN THE PROJECT SITE.
11. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS DETERMINED BY SITE CONDITIONS.
12. THE CONTRACTOR WILL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE DUE TO THIS OPERATION. ANY DAMAGE TO THE UTILITIES WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, AND ANY SERVICE DISRUPTION WILL BE SETTLED BY THE CONTRACTOR.
13. ALL BACKFILL, SUB-BASE, AND/OR BASE COURSE MATERIAL SHALL BE COMPACTED PER EL PASO COUNTY AND CDOT STANDARDS AND SPECIFICATIONS.
14. ALL FINISHED GRADES SHALL HAVE A MINIMUM 1.0% SLOPE TO PROVIDE POSITIVE DRAINAGE.
15. IN CASE OF CONFLICT BETWEEN PROPOSED SLOPES AND PROPOSED SPOT ELEVATIONS, SPOT ELEVATIONS SHALL GOVERN.
16. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO BEGINNING WORK.

## GENERAL DRAINAGE & GRADING NOTES:

1. INDIVIDUAL BUILDERS SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURES AND ACCOUNT FOR POTENTIAL CROSS-LOT DRAINAGE IMPACTS WITHIN EACH LOT.
2. BUILDERS AND PROPERTY OWNERS SHALL IMPLEMENT & MAINTAIN EROSION CONTROL BEST MANAGEMENT PRACTICES FOR PROTECTION OF DOWNSTREAM PROPERTIES AND FACILITIES INCLUDING PROTECTION OF EXISTING GRASS BUFFER STRIPS ALONG THE DOWNSTREAM PROPERTY BOUNDARIES.
3. GRADING AND DRAINAGE WITHIN LOTS IS THE RESPONSIBILITY OF THE INDIVIDUAL BUILDERS AND PROPERTY OWNERS.
4. FINAL GRADING TO COMPLY WITH H.U.D. STANDARDS CONTAINED IN SECTION 310 AND 602 OF THE MINIMUM PROPERTY STANDARDS (MPS) 4900.1. HANDBOOK 4140.3 CHG (DATA SHEET 79g), IF APPLICABLE, AND ALL LEGAL STANDARDS.

## COUNTY SIGNING AND STRIPING NOTES:

1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT (PCD).
4. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
5. STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
6. ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
7. ALL STREET NAME SIGNS SHALL HAVE "D" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING 4" UPPER-LOWER CASE LETTERING ON 8" BLANK AND NON-LOCAL ROADWAY SIGNS BEING 6" LETTERING, UPPER-LOWER CASE ON 12" BLANK, WITH WHITE BORDER THAT IS NOT RECESSED. MULTI-LANE ROADWAYS WITH SPEED LIMITS OF 40 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING ON 18" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD "STANDARD HIGHWAY SIGNS".
8. ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
9. ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" X 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614-8 REGARDING USE OF THE P2 TUBULAR STEEL POST SLIPBASE DESIGN.
10. ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
11. ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 12" WIDE AND 8' LONG PER CDOT S-627-1.
12. ALL LONGITUDINAL LINES SHALL BE A MINIMUM 15MIL THICKNESS EPOXY PAINT. ALL NON-LOCAL RESIDENTIAL ROADWAYS SHALL INCLUDE BOTH RIGHT AND LEFT EDGE LINE STRIPING AND ANY ADDITIONAL STRIPING AS REQUIRED BY CDOT S-627-1.
13. THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT (PCD) (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
14. THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

## LEGEND:

No.	REVISION	DATE	BY	DATE
	FINAL PLAT SUBMITTAL	10/21/19	JPS	
	COUNTY COMMENTS	2/28/20	JPS	

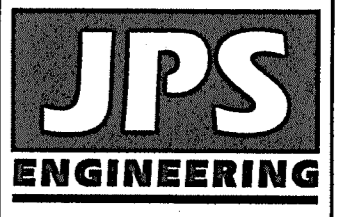
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-----	SECTION LINE - NEW/EXISTING
-----	EASEMENT LINE - NEW/EXISTING
-----	CONTOUR - NEW/EXISTING
-----	PROPERTY LINE - NEW/EXISTING
-----	FENCE - NEW/EXISTING
-----	OVERHEAD ELECTRIC LINE W/ POWER POLE NEW/EXISTING
-----	UNDERGROUND ELECTRIC LINE NEW/EXISTING
-----	UNDERGROUND ELECTRIC - NEW/EXISTING
-----	TELEPHONE - NEW/EXISTING
-----	GAS - NEW/EXISTING
-----	WATER - NEW/EXISTING
-----	ECB - DITCH LINING

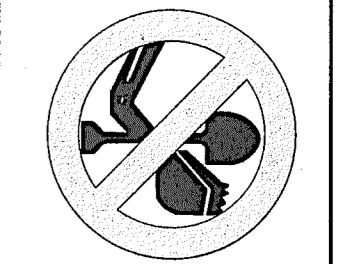
	SECTION NUMBER
	SHEET ON WHICH SECTION IS SHOWN

**ROLLIN RIDGE - FILING NO. 1**

**GENERAL NOTES & LEGEND**



19 E. Willamette Ave.  
Colorado Springs, CO  
80903  
PH: 719-477-9429  
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www.jpsegr.com



CALL UTILITY NOTIFICATION CENTER OF COLORADO  
1-800-922-1987  
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE THE MARKING OF UNDERGROUND MEMBER UTILITIES.

HORIZ. SCALE: HS	DRAWN: BJJ
VERT. SCALE: VS	DESIGNED: JPS
SURVEYED: RAMPART	CHECKED: JPS
CREATED: 8/29/19	LAST MODIFIED: 2/28/20
PROJECT NO: 081702	MODIFIED BY: JPS

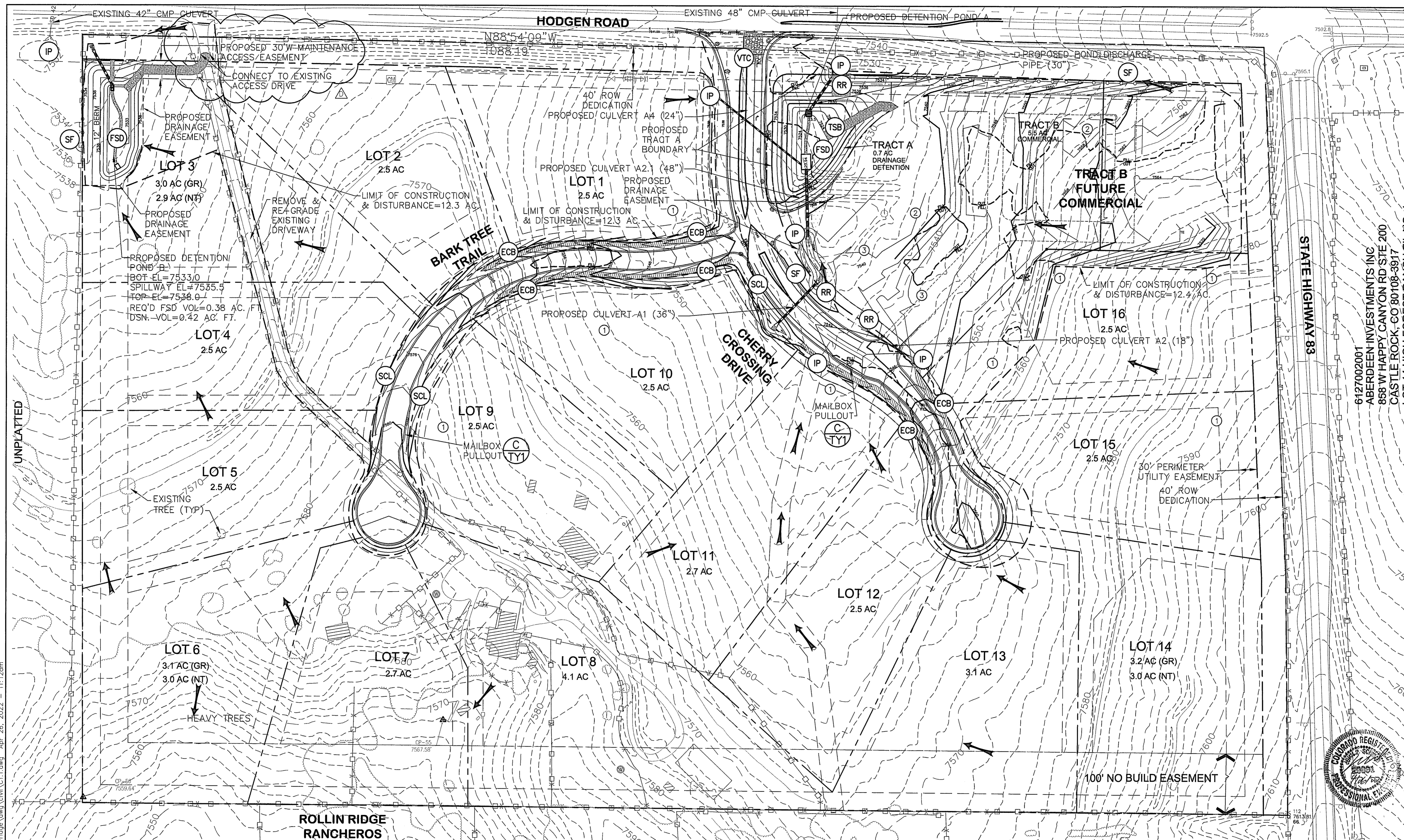
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PCD FILE NO. SF-19-022

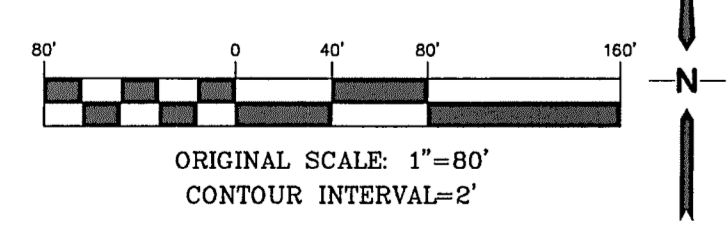
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# ENGINEERING RECORD DRAWINGS



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**BENCHMARK:**  
SURVEY CONTROL POINTS AS SHOWN.  
ALL ELEVATION BASED UPON NGS DESIGNATION "4 BB RESET"  
ELEVATION = 7570.80 (NAVD 88 VERTICAL DATUM)

### KEYED NOTES:

- ① CONTRACTOR MAY WASTE EXCESS CUT MATERIAL OR BORROW SUITABLE FILL MATERIAL FROM THIS AREA. MATCH INTO EXISTING GRADES WITH 3:1 MAX CUT AND FILL SLOPES AND MAINTAIN POSITIVE DRAINAGE IN ALL AREAS. ANY PERMANENT BERMS SHALL BE REVIEWED AND APPROVED BY EL PASO COUNTY.
- ② TOPSOIL STOCKPILE AREA
- ③ CONTRACTOR STAGING/EQUIPMENT STORAGE AREA

### ESTIMATED EARTHWORK QUANTITY:

UNCLASSIFIED EXCAVATION (TOTAL CUT) = 14,461 CY  
 \* EMBANKMENT FILL = 29,188 CY  
 NET (FILL) = 14,727 CY  
 \* (ASSUMES 15% COMPACTION FACTOR)

NOTE: THIS ESTIMATE IS PROVIDED FOR INFORMATION ONLY, REPRESENTING THE CALCULATED BULK EARTHWORK VOLUME TO FINISHED GRADE, EXCLUDING ANY ADJUSTMENT FOR PAVEMENT DEPTHS, ETC. CONTRACTOR SHALL MAKE HIS OWN DETERMINATION OF EARTHWORK QUANTITIES AS BASIS FOR BID PRICING AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

### EROSION CONTROL:

- (RR) RIPRAP
- (VTC) VEHICLE TRACKING PAD
- (SF) SILT FENCE
- (FSD) FULL-SPECTRUM DETENTION BASIN
- (SCL) SEDIMENT CONTROL LOG
- (ECB) EROSION CONTROL BLANKET
- (IP) INLET PROTECTION
- (TSB) TEMPORARY SEDIMENT BASIN

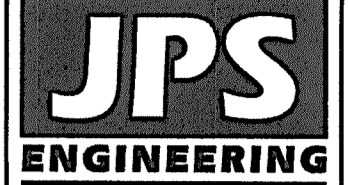
### LEGEND:

- |     |   |     |      |                      |
|-----|---|-----|------|----------------------|
| --- | NEW/EXISTING                                      | TEL | TELE | TELE - NEW/EXISTING  |
| --- | SECTION LINE - NEW/EXISTING                       | GAS | GAS  | GAS - NEW/EXISTING   |
| --- | EASEMENT LINE - NEW/EXISTING                      | WT  | WT   | WATER - NEW/EXISTING |
| --- | CONTOUR - NEW/EXISTING                            |     |      |                      |
| --- | PROPERTY LINE - NEW/EXISTING                      |     |      |                      |
| --- | FENCE - NEW/EXISTING                              |     |      |                      |
| --- | OVERHEAD ELECTRIC LINE W/ POWER POLE NEW/EXISTING |     |      |                      |
| --- | UNDERGROUND ELECTRIC LINE NEW/EXISTING            |     |      |                      |
| --- | UNDERGROUND ELECTRIC - NEW/EXISTING               |     |      |                      |

EPC 5/10/2022  
**PCD FILE NO. SF-19-022**  
**PCD FILE NO. SF-21-043**

## ROLLIN RIDGE - FILING NO. 1

## SITE GRADING & EROSION CONTROL PLAN



19 E. Willamette Ave.  
 Colorado Springs, CO 80903  
 PH: 719-477-9429  
 FAX: 719-471-0766  
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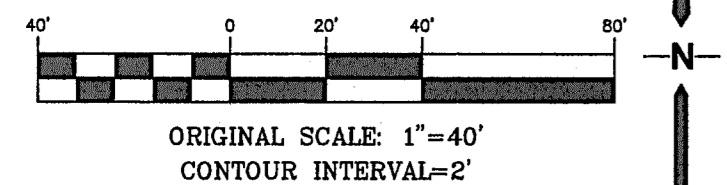
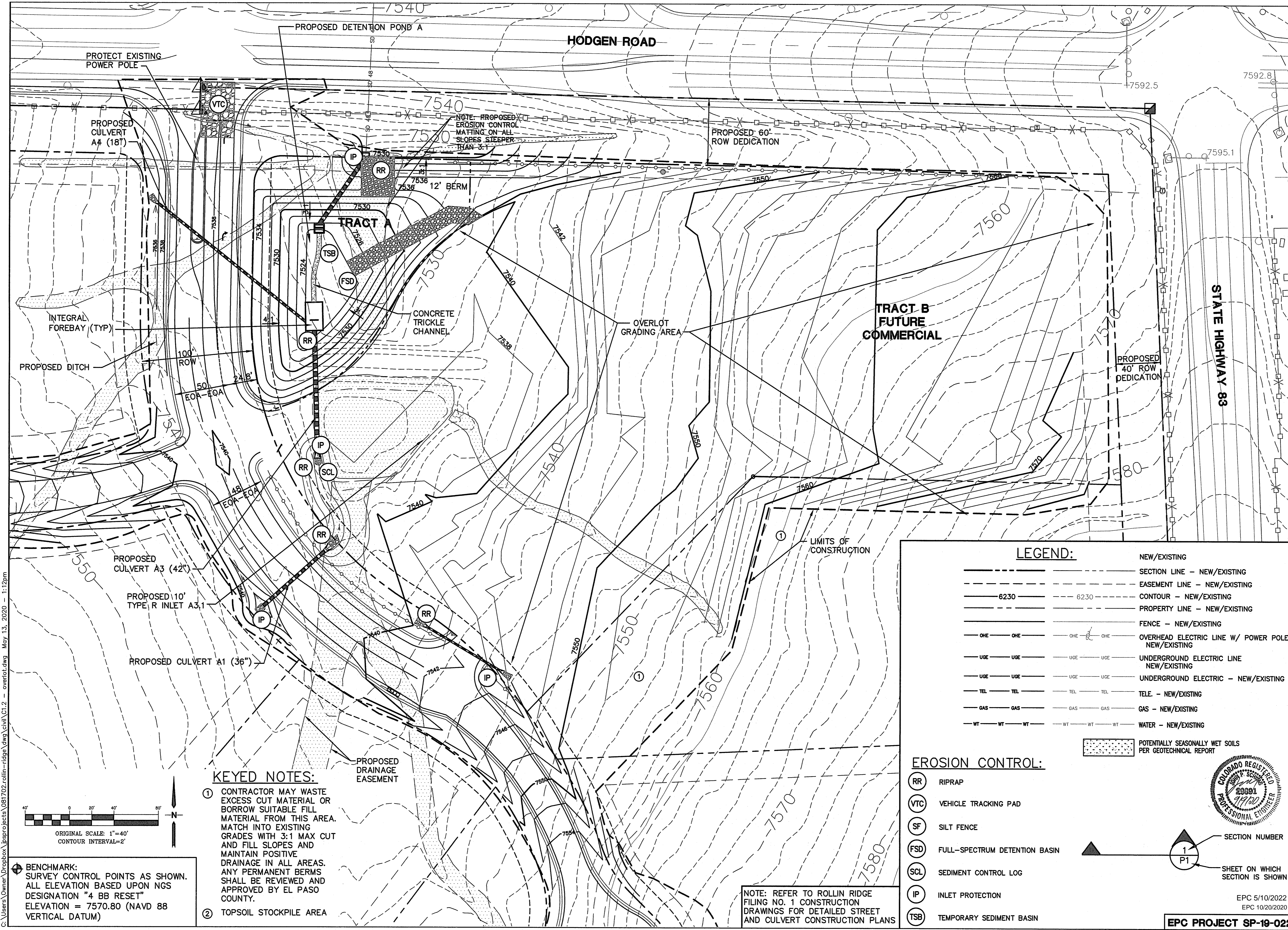
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No.	REVISION	DATE
1	FINAL PLAT SUBMITTAL	10/25/19
2	COUNTY COMMENTS	2/28/20
3	COUNTY COMMENTS	5/13/20
4	POND B ACCESS REVISION	4/26/22

HORIZ. SCALE: 1"=80'	DRAWN: BJJ
VERT. SCALE: N/A	DESIGNED: JPS
SURVEYED: N/A	CHECKED: JPS
CREATED: 9/12/17	LAST MODIFIED: 4/26/22
PROJECT NO: 081702	MODIFIED BY: BJJ

SHEET: **C1.1**





**BENCHMARK:**  
SURVEY CONTROL POINTS AS SHOWN. ALL ELEVATION BASED UPON NGS DESIGNATION "4 BB RESET" ELEVATION = 7570.80 (NAVD 88 VERTICAL DATUM)

- KEYED NOTES:**
- ① CONTRACTOR MAY WASTE EXCESS CUT MATERIAL OR BORROW SUITABLE FILL MATERIAL FROM THIS AREA. MATCH INTO EXISTING GRADES WITH 3:1 MAX CUT AND FILL SLOPES AND MAINTAIN POSITIVE DRAINAGE IN ALL AREAS. ANY PERMANENT BERMS SHALL BE REVIEWED AND APPROVED BY EL PASO COUNTY.
  - ② TOPSOIL STOCKPILE AREA

NOTE: REFER TO ROLLIN RIDGE FILING NO. 1 CONSTRUCTION DRAWINGS FOR DETAILED STREET AND CULVERT CONSTRUCTION PLANS

**LEGEND:**

---	NEW/EXISTING
---	SECTION LINE - NEW/EXISTING
---	EASEMENT LINE - NEW/EXISTING
---	CONTOUR - NEW/EXISTING
---	PROPERTY LINE - NEW/EXISTING
---	FENCE - NEW/EXISTING
---	OVERHEAD ELECTRIC LINE W/ POWER POLE NEW/EXISTING
---	UNDERGROUND ELECTRIC LINE NEW/EXISTING
---	UNDERGROUND ELECTRIC - NEW/EXISTING
---	TELE - NEW/EXISTING
---	GAS - NEW/EXISTING
---	WATER - NEW/EXISTING
---	POTENTIALLY SEASONALLY WET SOILS PER GEOTECHNICAL REPORT

- EROSION CONTROL:**
- RR RIPRAP
  - VTC VEHICLE TRACKING PAD
  - SF SILT FENCE
  - FSD FULL-SPECTRUM DETENTION BASIN
  - SCL SEDIMENT CONTROL LOG
  - IP INLET PROTECTION
  - TSB TEMPORARY SEDIMENT BASIN

SECTION NUMBER

1

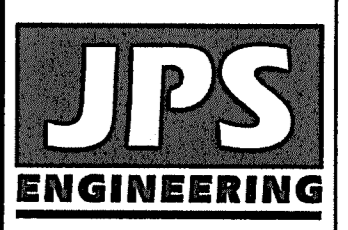
SHEET ON WHICH SECTION IS SHOWN

EPC 5/10/2022  
EPC 10/20/2020

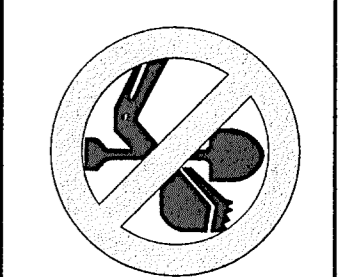
**EPC PROJECT SP-19-022**

## ROLLIN RIDGE - FILING NO. 1

### NORTHEAST SITE OVERLOT GRADING PLAN



19 E. Willamette Ave.  
Colorado Springs, CO  
80903  
PH: 719-477-9429  
FAX: 719-471-0766  
www.jpseng.com



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

No.	REVISION	DATE
1	COUNTY COMMENTS	8/30/18
2	COUNTY COMMENTS	10/19/18
3	COUNTY COMMENTS	8/28/19
4	COUNTY COMMENTS	2/28/20
5	COUNTY COMMENTS	5/13/20

HORZ. SCALE: 1"=40'	DRAWN: BJJ
VERT. SCALE: N/A	DESIGNED: JPS
SURVEYED: RAMPART	CHECKED: JPS
CREATED: 4/27/18	LAST MODIFIED: 7/13/20
PROJECT NO: 081702	MODIFIED BY: BJJ
SHEET:	

**C1.2**

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# ENGINEERING RECORD DRAWINGS

## STANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS:

REVISED 7/02/19

1. 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.
2. 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.
3. A SEPARATE STORMWATER MANAGEMENT PLAN (SMWP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. MANAGEMENT OF THE SWMP DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QUALIFIED STORMWATER MANAGER OR CERTIFIED EROSION CONTROL INSPECTOR. THE SWMP SHALL BE LOCATED ON SITE AT ALL TIMES DURING CONSTRUCTION AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
4. ONCE THE ESQCP IS APPROVED AND A "NOTICE TO PROCEED" HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED GEC. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF.
5. CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, AND DISTURBED LAND AREAS SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF THE DISTURBANCE.
6. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE ACTIVITIES SHALL ASSESS THE ADEQUACY OF CONTROL MEASURES AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CONTROL MEASURES ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CONTROL MEASURES. ALL CHANGES TO TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE INCORPORATED INTO THE STORMWATER MANAGEMENT PLAN.
7. TEMPORARY STABILIZATION SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
8. FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES ARE COMPLETE AND ALL DISTURBED AREAS EITHER HAVE A UNIFORM VEGETATIVE COVER WITH INDIVIDUAL PLANT DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS ESTABLISHED OR EQUIVALENT PERMANENT ALTERNATIVE STABILIZATION METHOD IS IMPLEMENTED. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON FINAL STABILIZATION AND BEFORE PERMIT CLOSURE.
9. ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT AFFECT THE DESIGN OR FUNCTION OF PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
10. EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A WATERS OF THE STATE UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED.
11. COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES OR WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF COMPACTION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENED PRIOR TO INSTALLATION OF THE CONTROL MEASURE(S).
12. ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF SITE.
13. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUTS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK OR STREAM.
14. DURING DEWATERING OPERATIONS OF UNCONTAMINATED GROUND WATER MAY BE DISCHARGED ON SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF UNLESS AN APPROVED STATE DEWATERING PERMIT IS IN PLACE.
15. EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
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. WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. CONTROL MEASURES MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
18. TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
19. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
20. 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.
21. NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ONSITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
22. BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS ONSITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR OTHER FACILITIES.
23. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
24. OWNER/DEVELOPER AND THEIR AGENTS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT"(TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT"(33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (1041, NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
25. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
26. PRIOR TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
27. A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
28. THE SOILS REPORT FOR THIS SITE SHALL BE CONSIDERED A PART OF THESE PLANS.
29. AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (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  
WQCD - PERMITS  
4300 CHERRY CREEK DRIVE SOUTH  
DENVER, CO 80246-1530 ATTN:  
PERMITS UNIT

### SEEDING MIX:

GRASS	VARIETY	AMOUNT IN PLS LBS. PER ACRE
CRESTED WHEAT GRASS	EPHRAIM OR HYCREST	4.0 LBS.
PERENIAL RYE	LINN	2.0 LBS.
WESTERN WHEATGRASS	SARTON	3.0 LBS.
SMOOTH BROME GRASS	LINCOLN OR MANCHAR	5.0 LBS.
SIDEOATS GRAMA	EPHRAIM	2.5 LBS.
TOTAL:		16.5 LBS.

SEEDING & FERTILIZER APPLICATION: DRILL SEED OR HYDRO-SEED PER CDOT SPEC. SECTION 212.

MULCHING APPLICATION: CONFORM TO CDOT SPEC-SECTION 213.

### SEDIMENT CONTROL MAINTENANCE PROGRAM:

**FREQUENCY**  
 PERIODIC SITE INSPECTIONS BI-WEEKLY<sup>1</sup>  
 RE-VEGETATION OF EXPOSED SOILS WITHIN 21 DAYS OF GRADING.  
 SEDIMENT REMOVAL FROM BMP'S MONTHLY<sup>2</sup>  
 REMOVAL OF BMP'S AFTER STABILIZATION ACHIEVED  
 AND AFTER ANY PRECIPITATION OR SNOW MELT EVENT THAT CAUSES SURFACE EROSION.

ACCUMULATED SEDIMENT AND DEBRIS SHALL BE REMOVED WHEN THE SEDIMENT LEVEL REACHES ONE HALF THE HEIGHT OF THE BMP OR AT ANY TIME THAT SEDIMENT OR DEBRIS ADVERSELY IMPACTS THE FUNCTION OF THE BMP.

### ESTIMATED TIME SCHEDULE:

INSTALL BMP'S	JUNE, 2020
TEMPORARY SEDIMENT BASIN	JUNE, 2020
ROADWAY GRADING	JUNE, 2020
SEEDING & MULCHING	MAY, 2021
STABILIZATION	SEPTEMBER, 2022

### CONTROL MEASURE/BMP PHASING PLAN:

#### INITIAL CONTROL MEASURES:

- VTC AT SITE ACCESS
- SILT FENCE ALONG DOWNSTREAM GRADING LIMITS
- TEMPORARY SEDIMENT BASIN

#### INTERIM CONTROL MEASURES:

- STRAW BALES/SCL CHECK DAMS

#### FINAL CONTROL MEASURES:

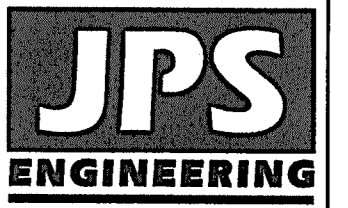
- RIPRAP APRONS
- PERMANENT DETENTION AND WATER QUALITY FACILITIES
- SEEDING AND LANDSCAPING

NOTE: NO DEDICATED ASPHALT/CONCRETE BATCH PLANTS ARE PROPOSED

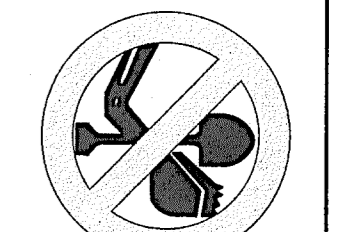
### NON-STRUCTURAL CONTROL MEASURES:

#### CONTROL MEASURES:

- PROPER HOUSEKEEPING MEASURES
- PROPER SPILL CONTAINMENT PROCEDURES



19 E. Willamette Ave.  
Colorado Springs, CO  
80903  
PH: 719-477-9429  
FAX: 719-471-0766



CALL UTILITY NOTIFICATION CENTER OF COLORADO  
1-800-922-1987  
GALL 2-BUSINESS DAYS IN ADVANCE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

ROLLIN RIDGE - FILING NO. 1

EROSION CONTROL NOTES

HORZ. SCALE:	N/A	DRAWN:	BJJ
VERT. SCALE:	N/A	DESIGNED:	JPS
SURVEYED:	RAMPART	CHECKED:	JPS
CREATED:	8/29/19	LAST MODIFIED:	5/13/20
PROJECT NO:	081702	MODIFIED BY:	BJJ

SHEET: **C2.1**

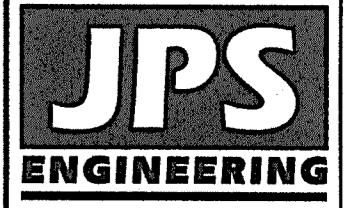
EPC 5/10/2022  
EPC 10/20/2020

PCD FILE NO. SF-19-022

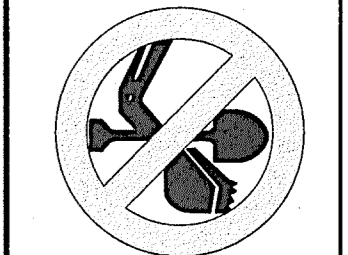


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FOR THE MEMBER UTILITIES.

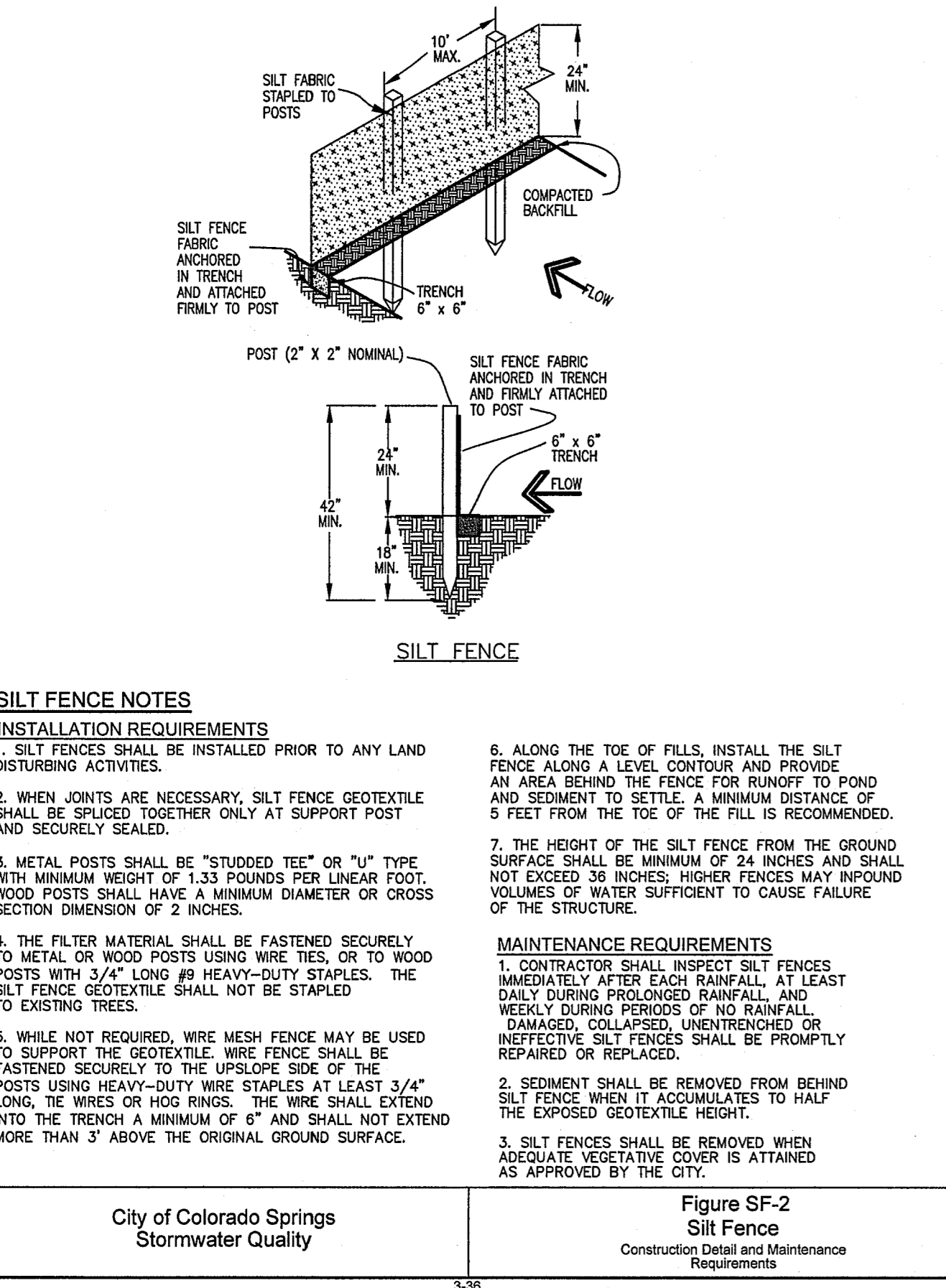
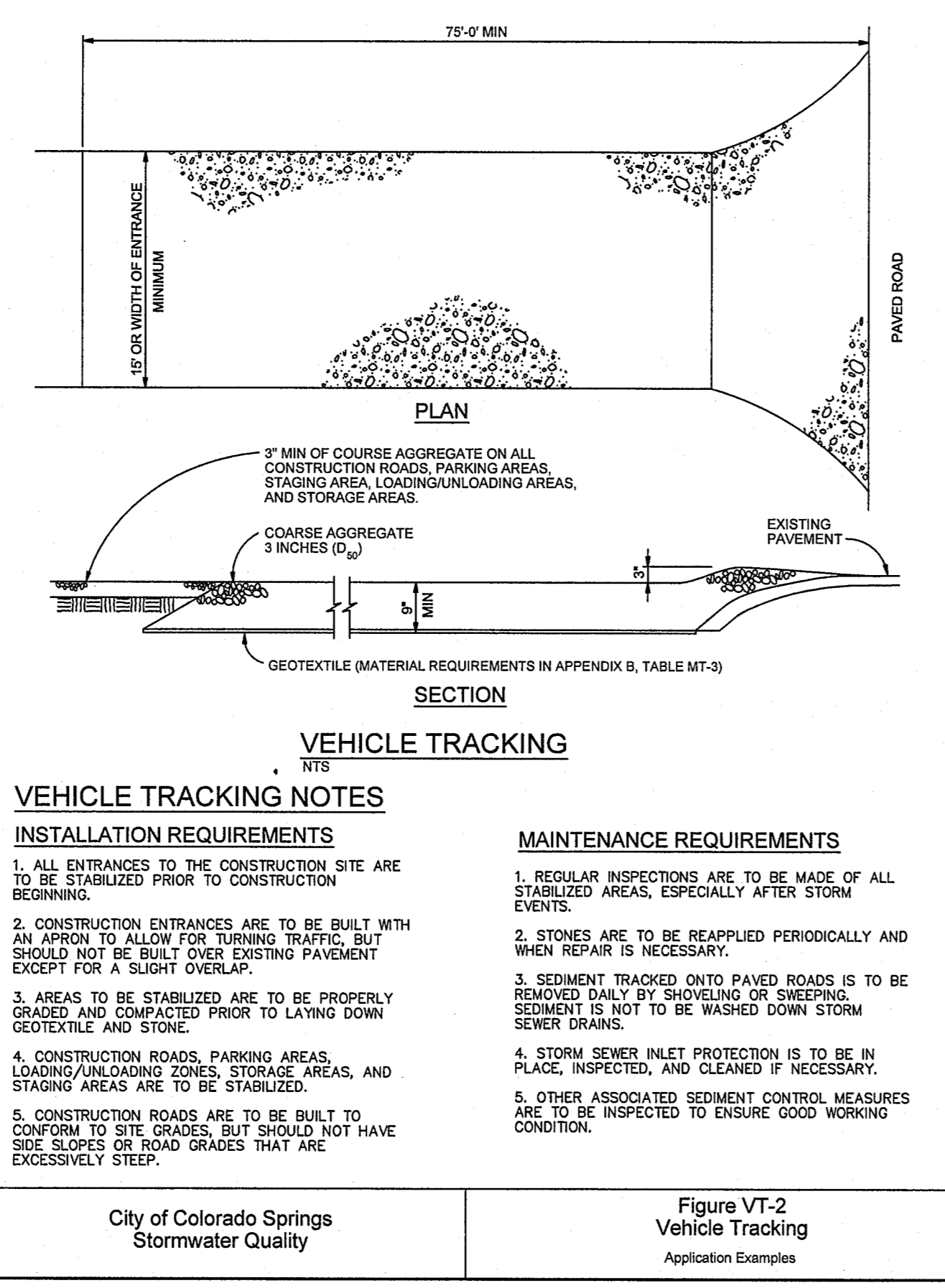
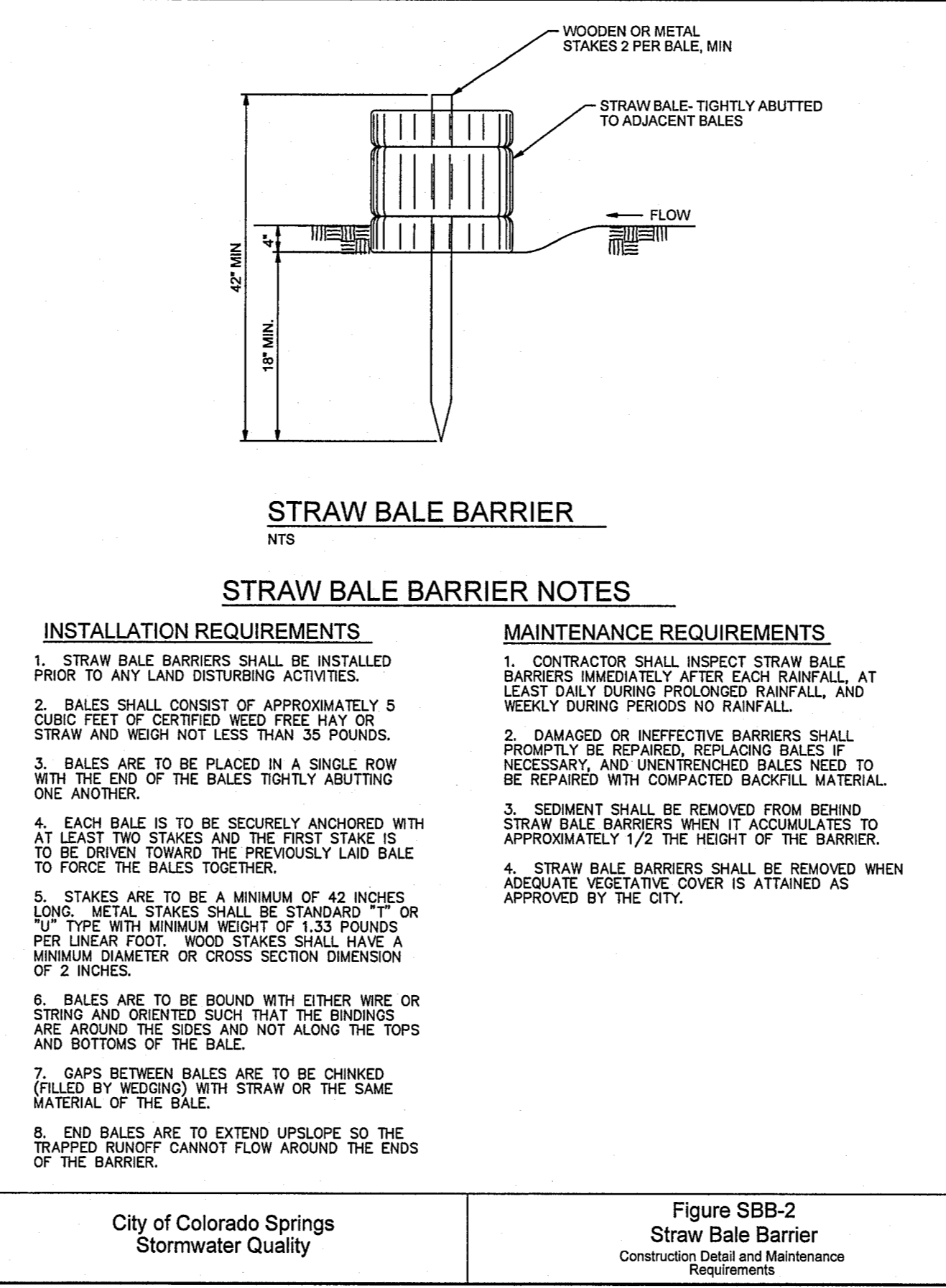
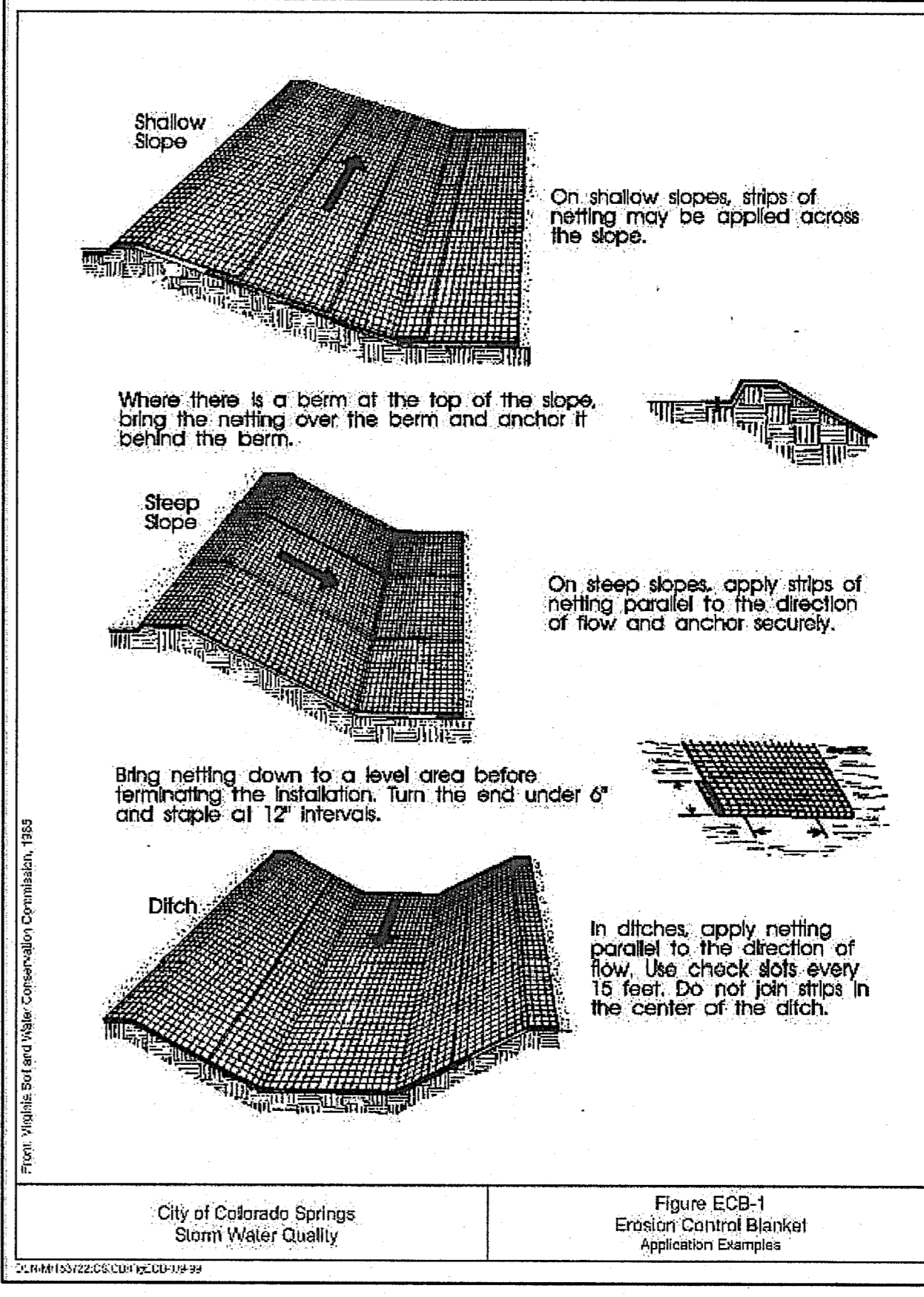
ROLLIN RIDGE - FILING NO. 1

NO.	REVISION	DATE	BY
1	FINAL PLAT SUBMITTAL	10/25/19	JPS
2	COUNTY COMMENTS	2/28/20	JPS
3	COUNTY COMMENTS	5/13/20	JPS

EROSION CONTROL DETAILS

HORIZ. SCALE:	N/A	DRAWN:	BJJ
VERT. SCALE:	N/A	DESIGNED:	BJJ
SURVEYED:	RAMPART	CHECKED:	JPS
CREATED:	8/29/19	LAST MODIFIED:	5/13/20
PROJECT NO:	081702	MODIFIED BY:	BJJ

SHEET: **C2.2**



**TABLE SB-1**

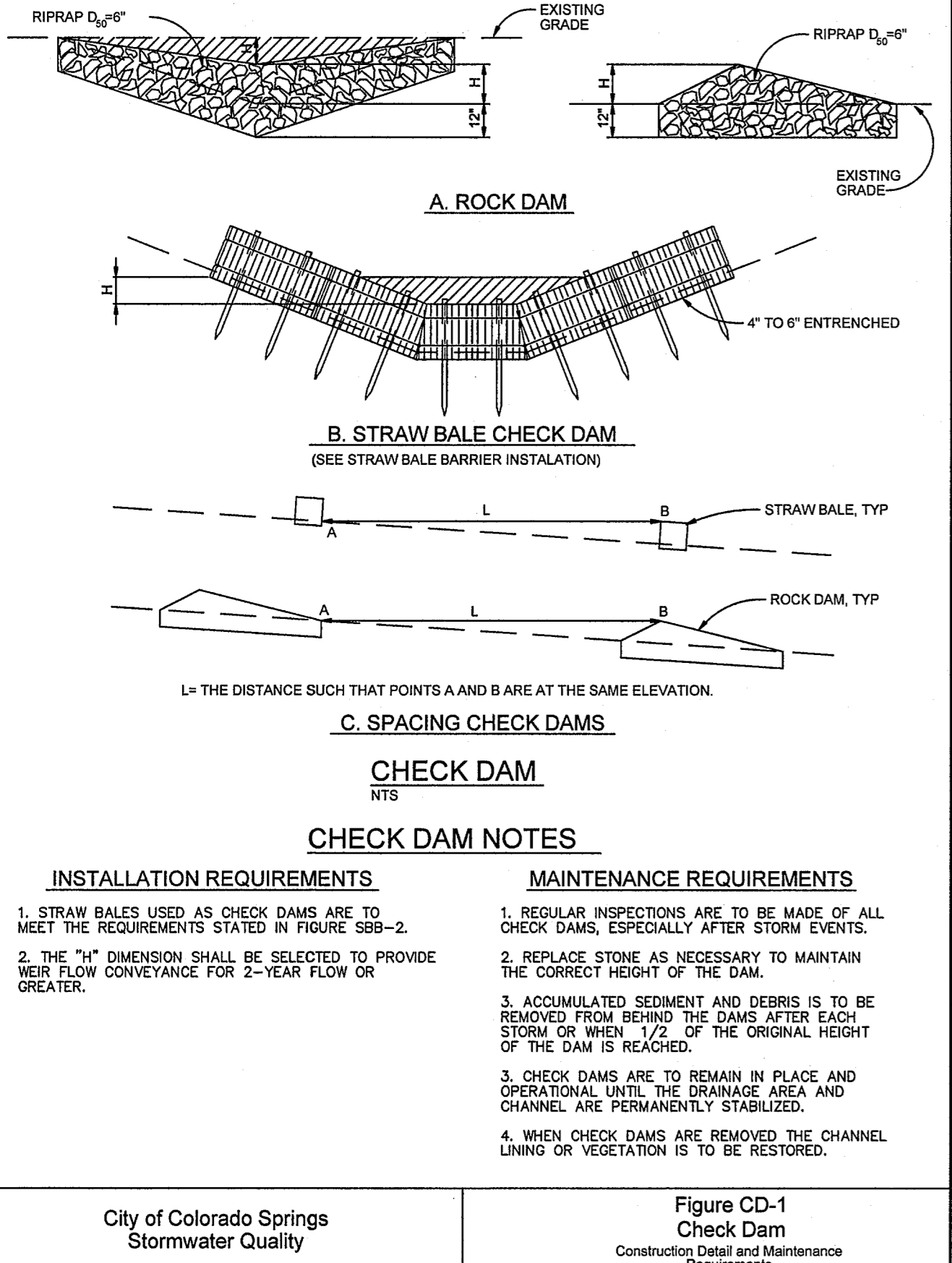
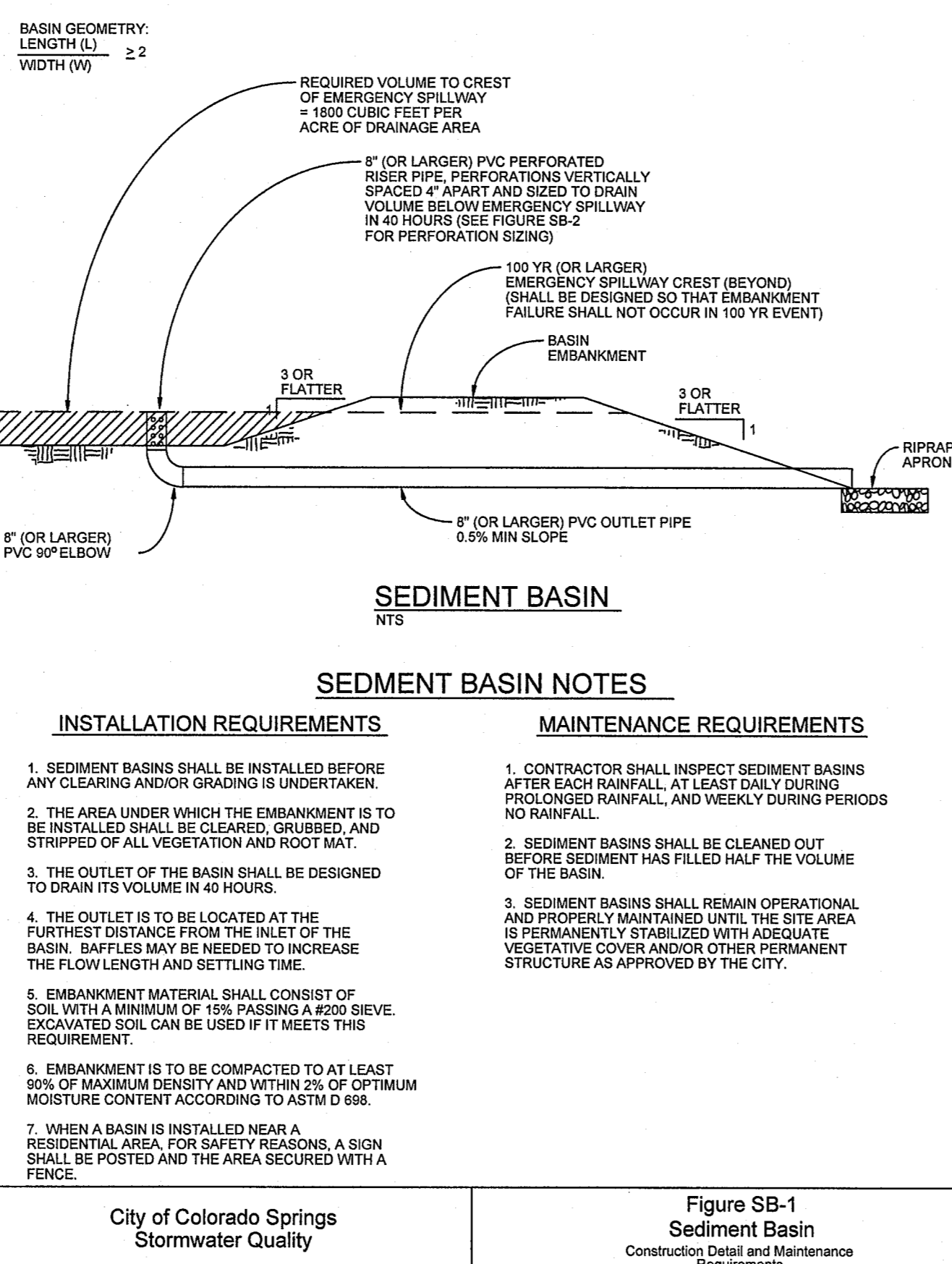
Design Volume (acre-ft)	Depth at Outlet (ft)					
	1.0	1.5	2.0	2.5	3.0	4.0
2	16.04	7.71	5.10	3.76	2.86	2.22
1	7.52	3.99	2.65	1.98	1.48	1.01
0.8	4.51	2.31	1.53	1.13	0.89	0.61
0.4	3.01	1.54	1.02	0.75	0.59	0.40
0.2	1.92	0.77	0.51	0.39	0.34	0.22
0.1	0.73	0.39	0.28	0.19	0.15	0.10
0.05	0.45	0.23	0.15	0.11	0.09	0.05
0.04	0.30	0.15	0.10	0.08	0.06	0.04
0.02	0.13	0.08	0.05	0.04	0.03	0.02
0.01	0.08	0.04	0.03	0.02	0.01	0.01

**TABLE SB-2**

Hole Diameter (in)	Hole Diameter (ft)	Area per Row (sq ft)		
		n=1	n=2	n=3
1/4	0.005	0.05	0.10	0.15
5/16	0.031	0.08	0.15	0.23
3/8	0.375	0.11	0.22	0.33
7/16	0.438	0.15	0.30	0.45
1/2	0.500	0.20	0.39	0.59
9/16	0.563	0.26	0.50	0.75
5/8	0.625	0.31	0.61	0.92
11/16	0.688	0.37	0.74	1.11
3/4	0.750	0.44	0.86	1.33
7/8	0.875	0.60	1.20	1.80
1	1.000	0.79	1.57	2.36
1 1/8	1.125	0.99	1.99	2.98
1 1/4	1.250	1.23	2.45	3.68
1 3/8	1.375	1.46	2.97	4.45
1 1/2	1.500	1.77	3.63	5.30
1 5/8	1.625	2.07	4.16	6.22
1 3/4	1.750	2.41	4.81	7.22
1 7/8	1.875	2.78	5.52	8.28
2	2.000	3.14	6.28	9.42

City of Colorado Springs  
Stormwater Quality

Figure SB-2  
Outlet Sizing  
Application Techniques and Maintenance Requirements



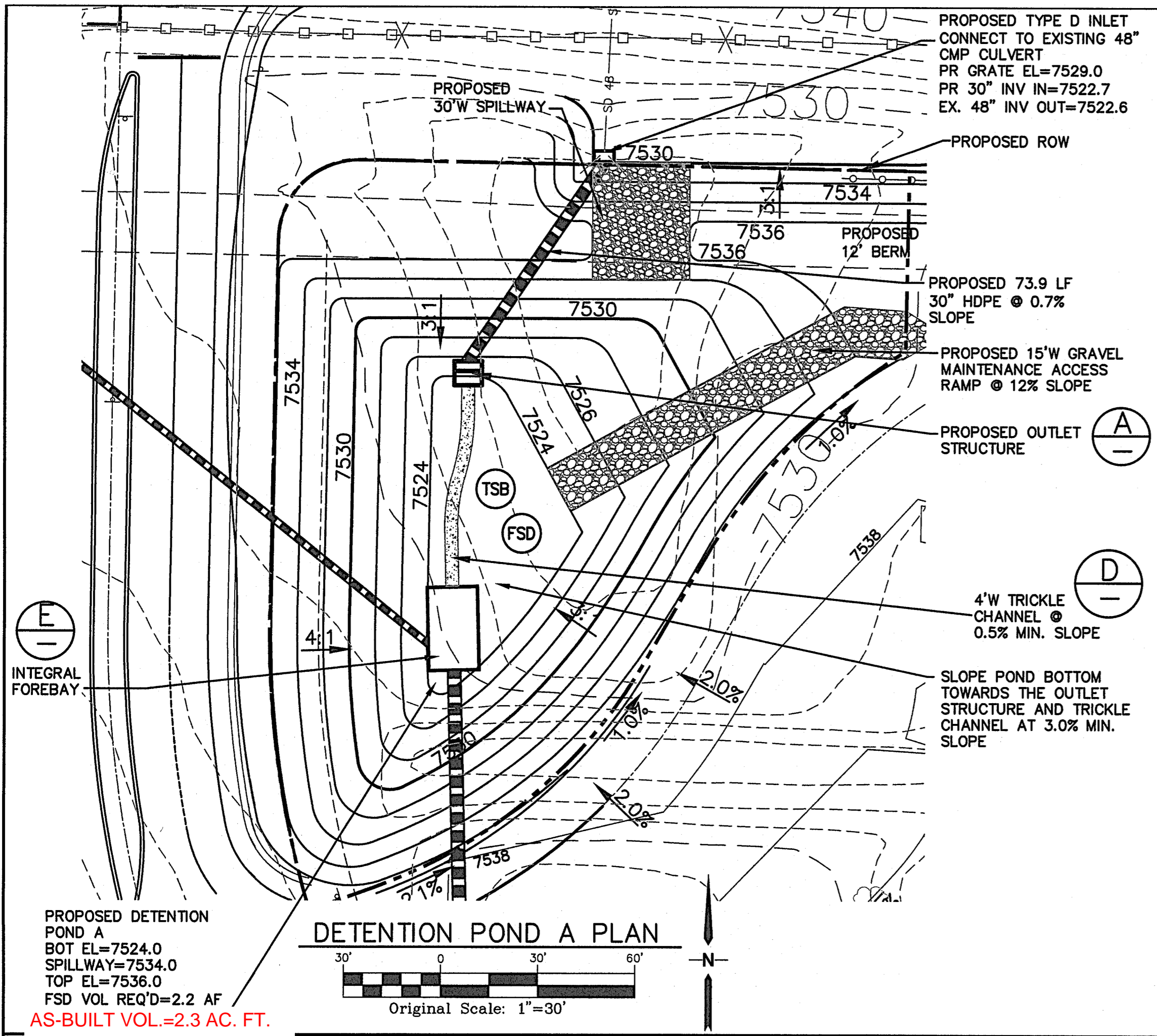
NOTE: SEE TSB DEIGN PARAMETERS TABULATED ON SH. C3.1 - C3.2



PCD FILE NO. SF-19-022

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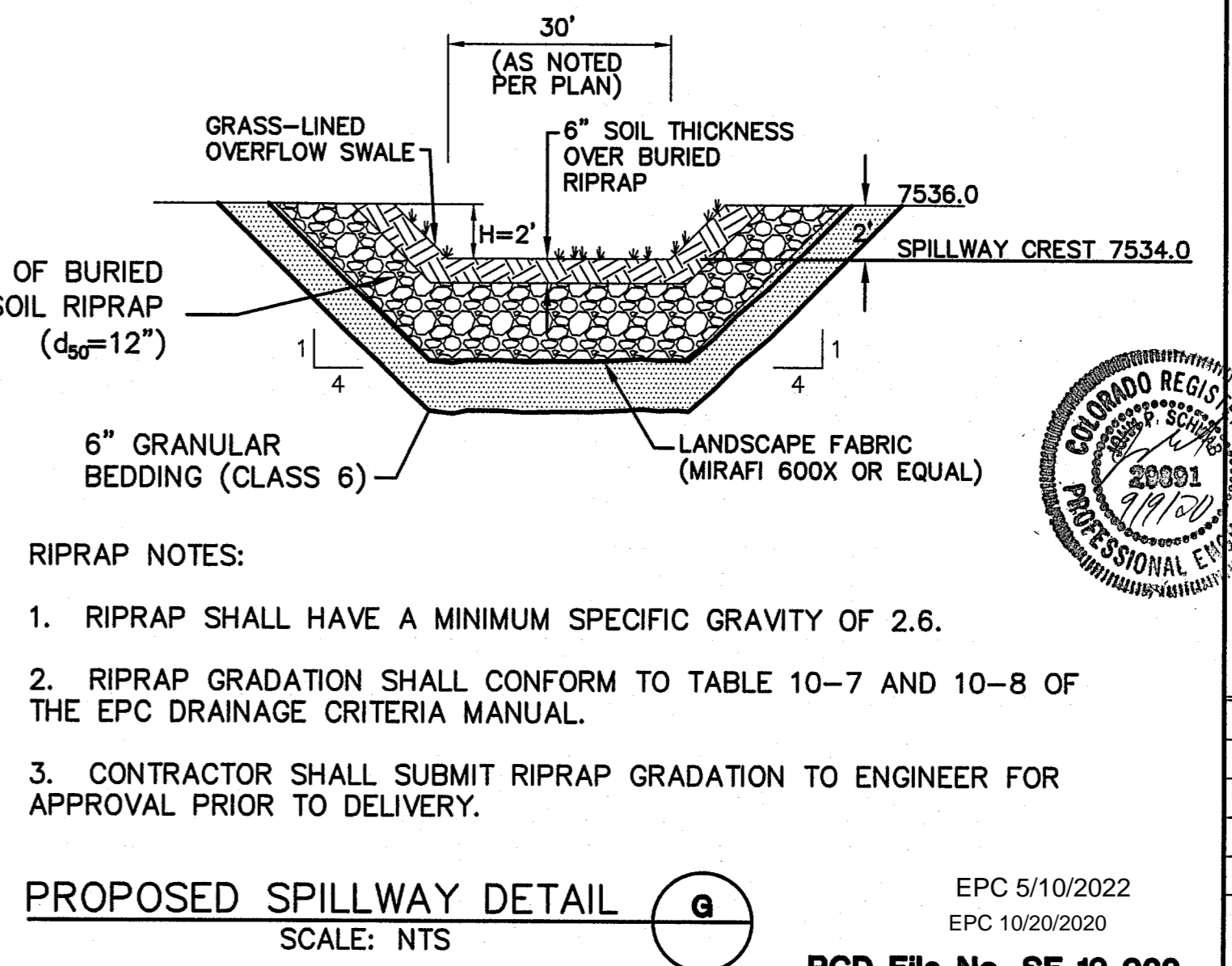
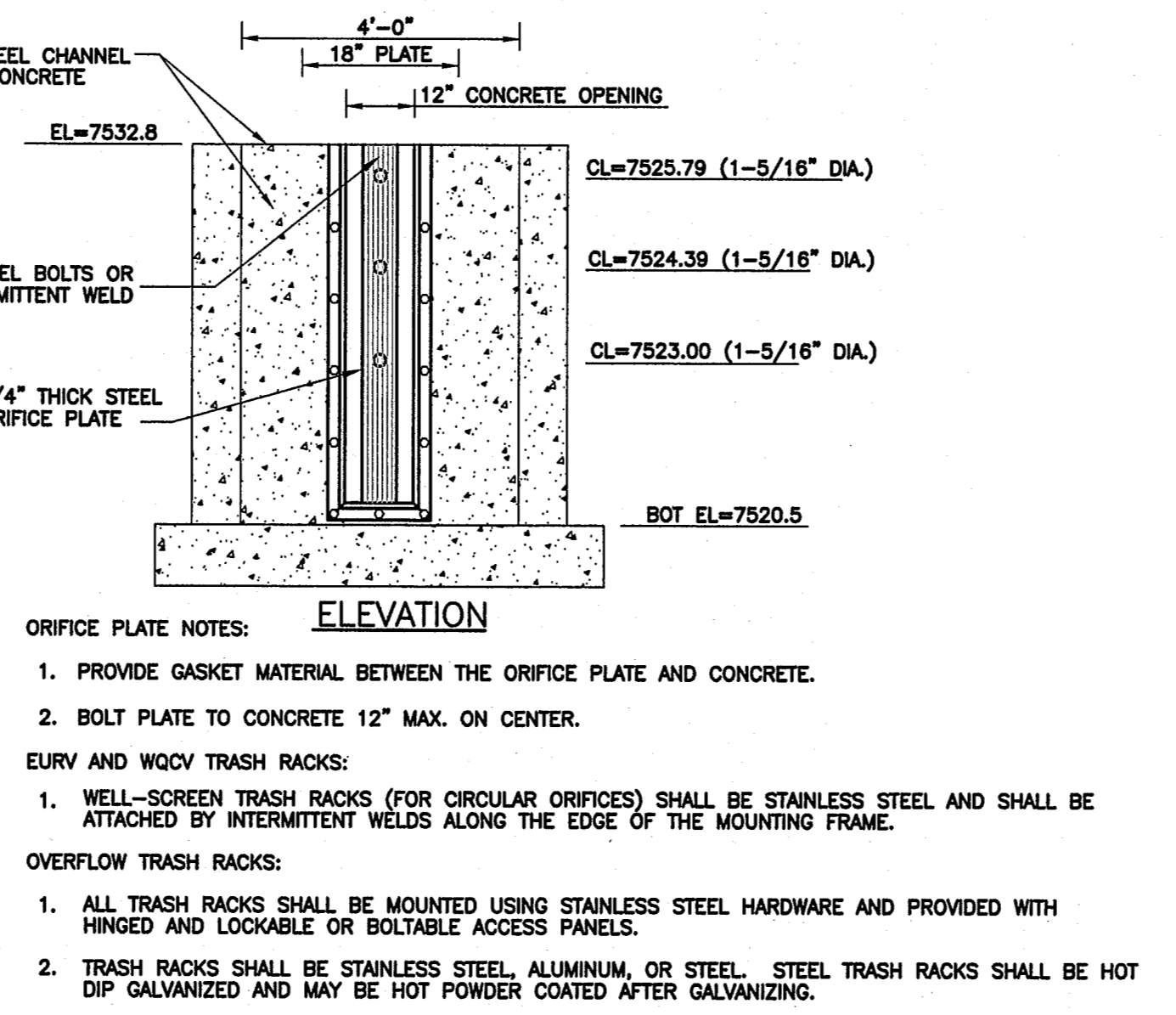
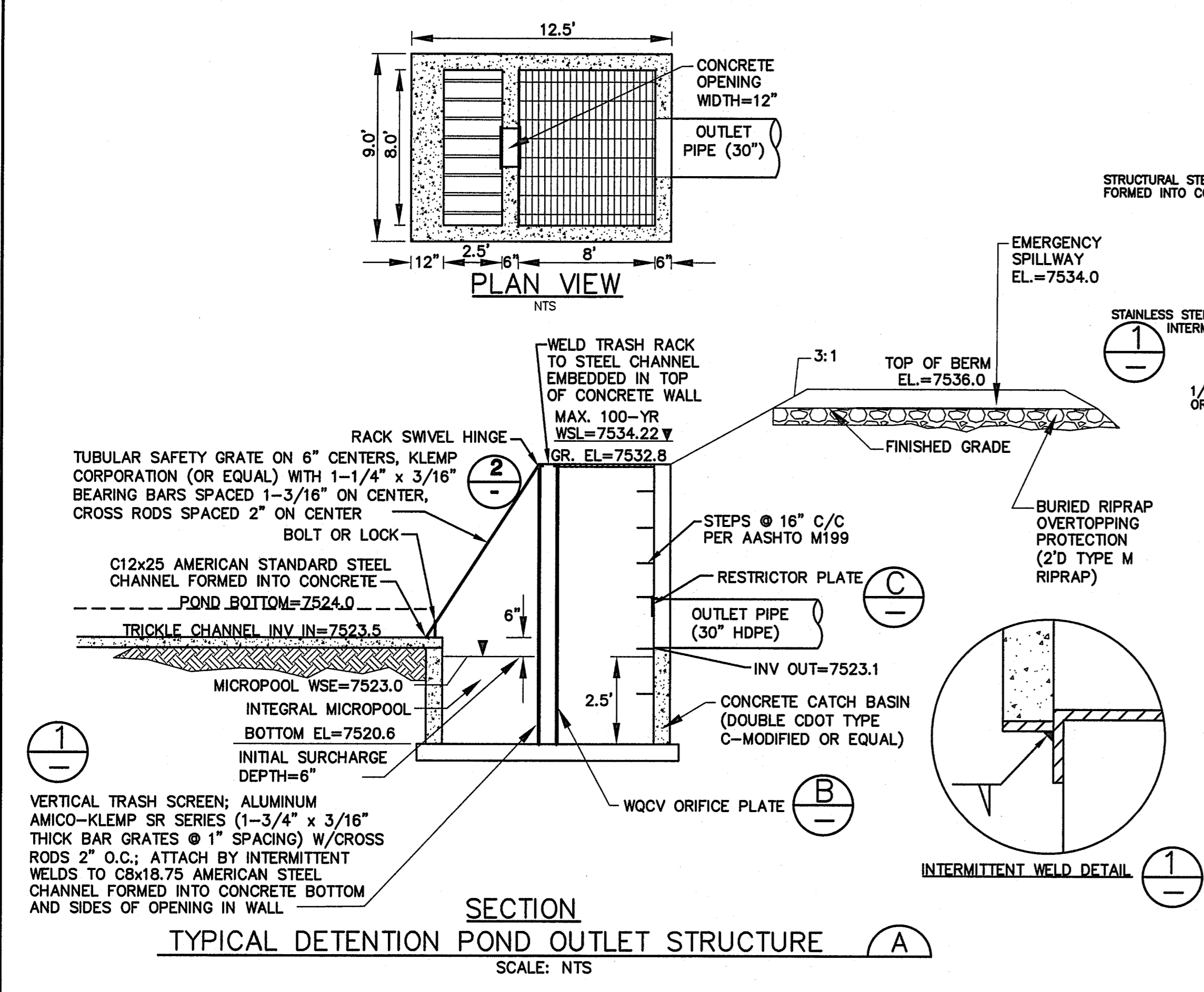
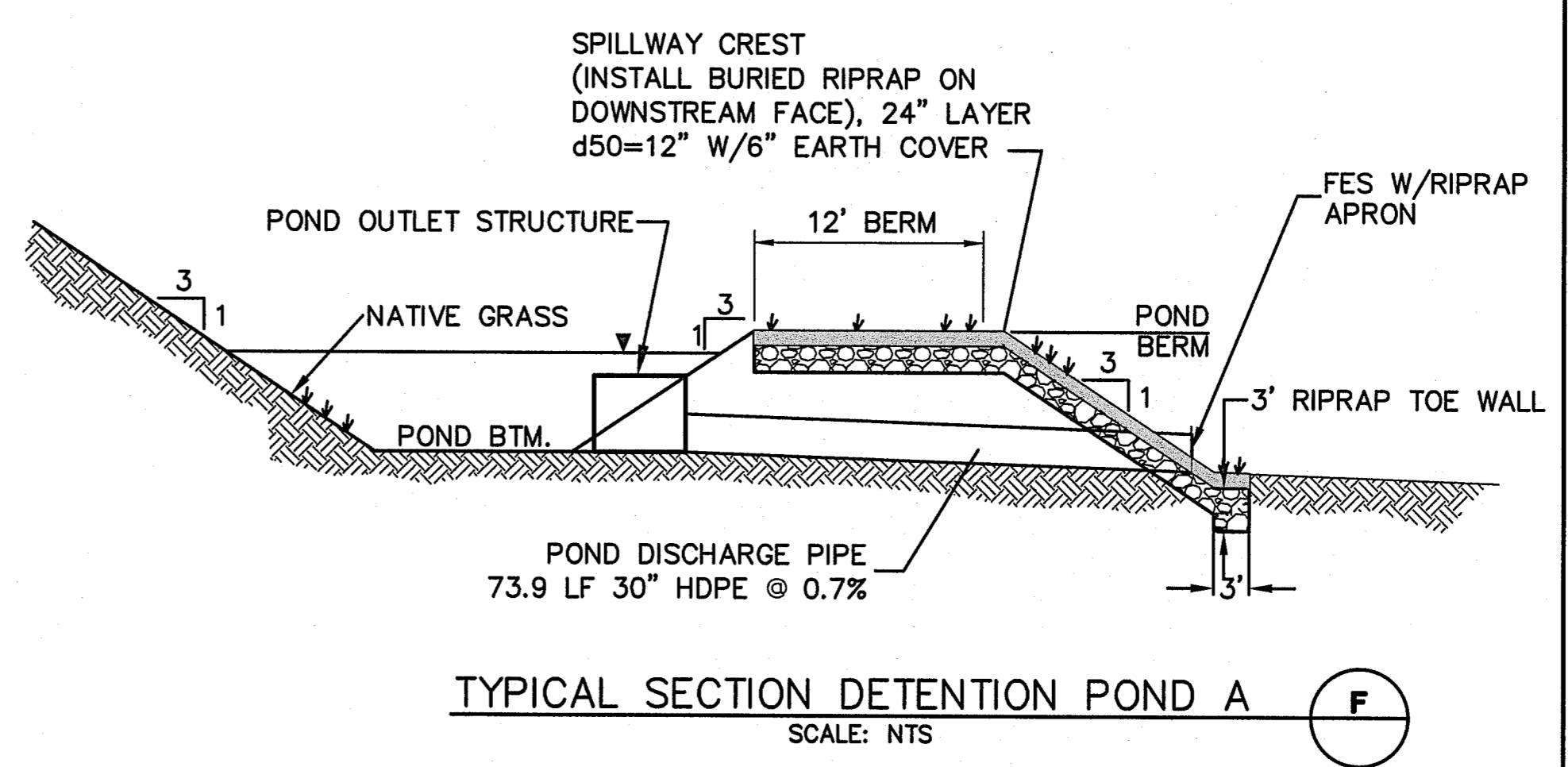
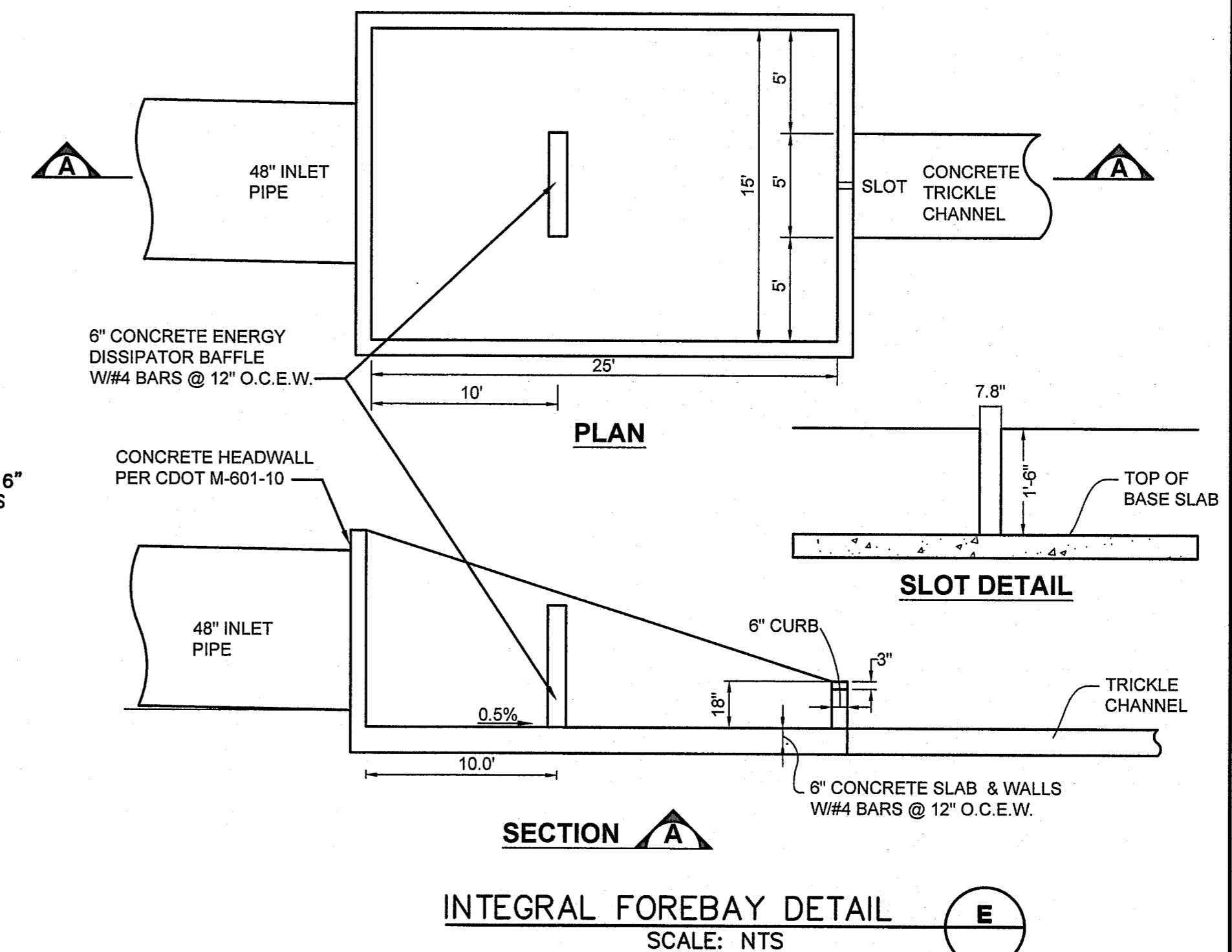
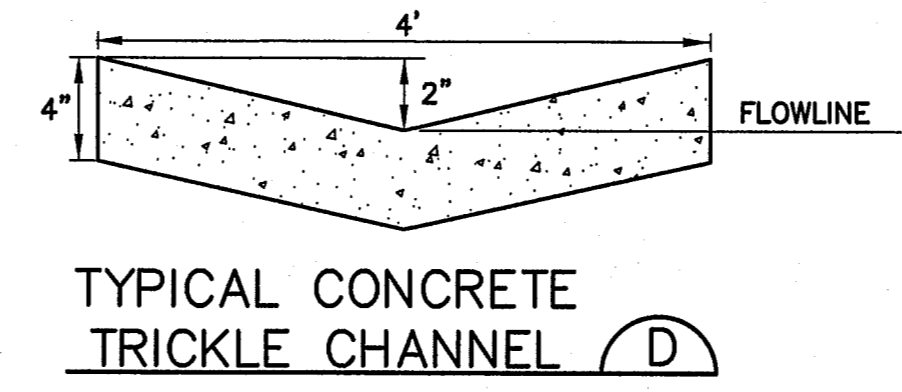
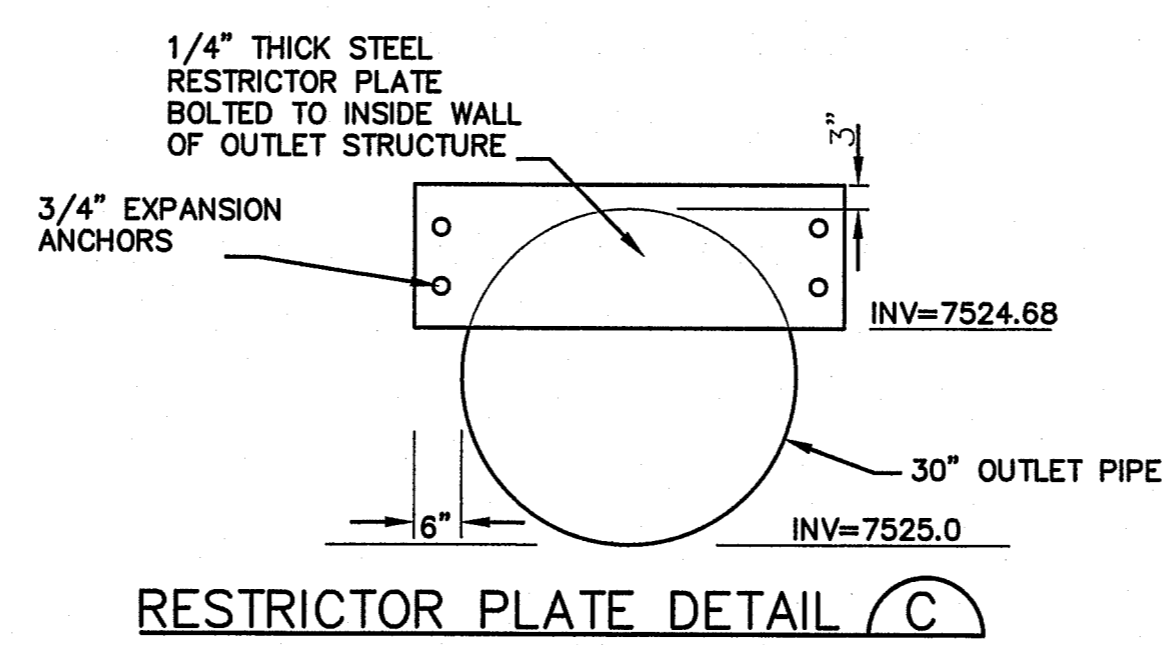
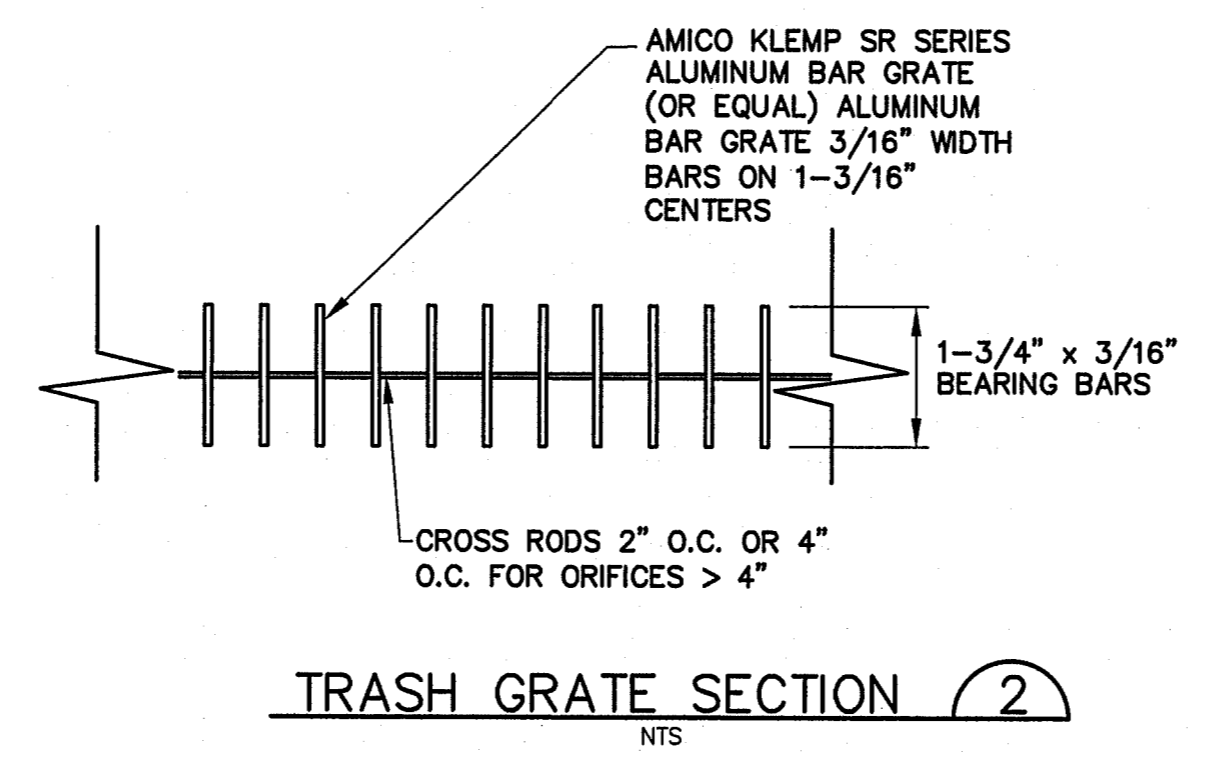




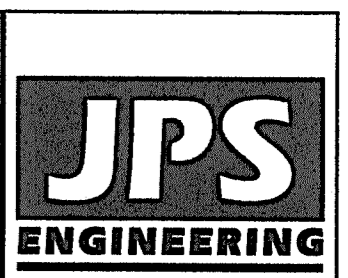
**TEMPORARY SEDIMENT BASIN  
DESIGN DATA - POND A**

BASIN	DRAINAGE AREA (AC)	REQUIRED VOLUME (AF)	D (FT)	HD* (IN)	# COLUMNS	# ROWS
A	54.6	2.3	4.5	7/8"	3	13

\* PERFORATIONS AT 4" VERTICAL SPACING



**ROLLIN RIDGE - FILING NO. 1**

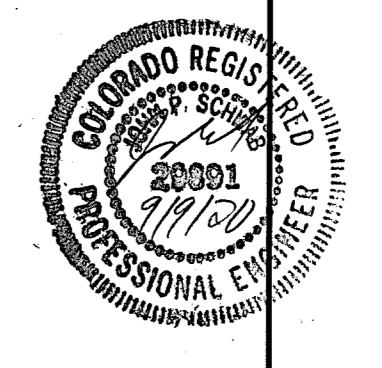


19 E. Willamette Ave.  
Colorado Springs, CO  
80903  
PH: 719-477-9429  
FAX: 719-471-0766  
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CALL UTILITY NOTIFICATION CENTER OF COLORADO  
1-800-922-1987  
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE ANY EXCAVATE FOR THE MEMBER UTILITIES.

No.	REVISION	DATE	BY
1	FINAL PLAN SUBMITTAL	10/21/19	JPS
2	COUNTY COMMENTS	2/28/20	JPS
3	COUNTY COMMENTS	5/13/20	JPS
4	COUNTY COMMENTS	7/16/20	JPS
5	COUNTY COMMENTS	9/08/20	JPS

**DETENTION POND A  
PLAN & DETAILS**

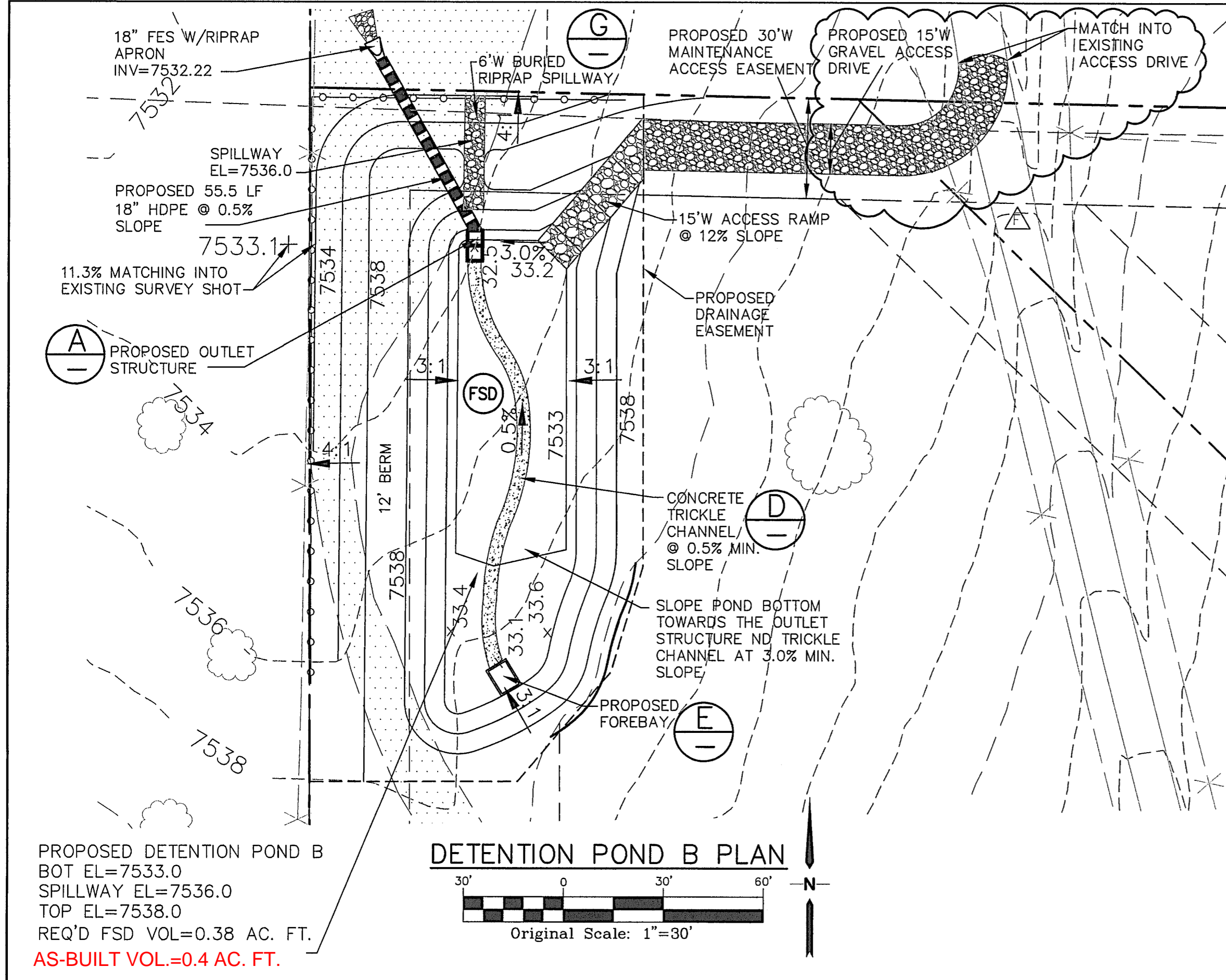


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VERT. SCALE: N/A	DESIGNED: JPS
SURVEYED: RAMPART	CHECKED: JPS
CREATED: 7/02/19	LAST MODIFIED: 9/08/20
PROJECT NO: 081702	MODIFIED BY: BJJ
SHEET: C3.1	

EPC 5/10/2022  
EPC 10/20/2020  
PCD File No. SF-19-022

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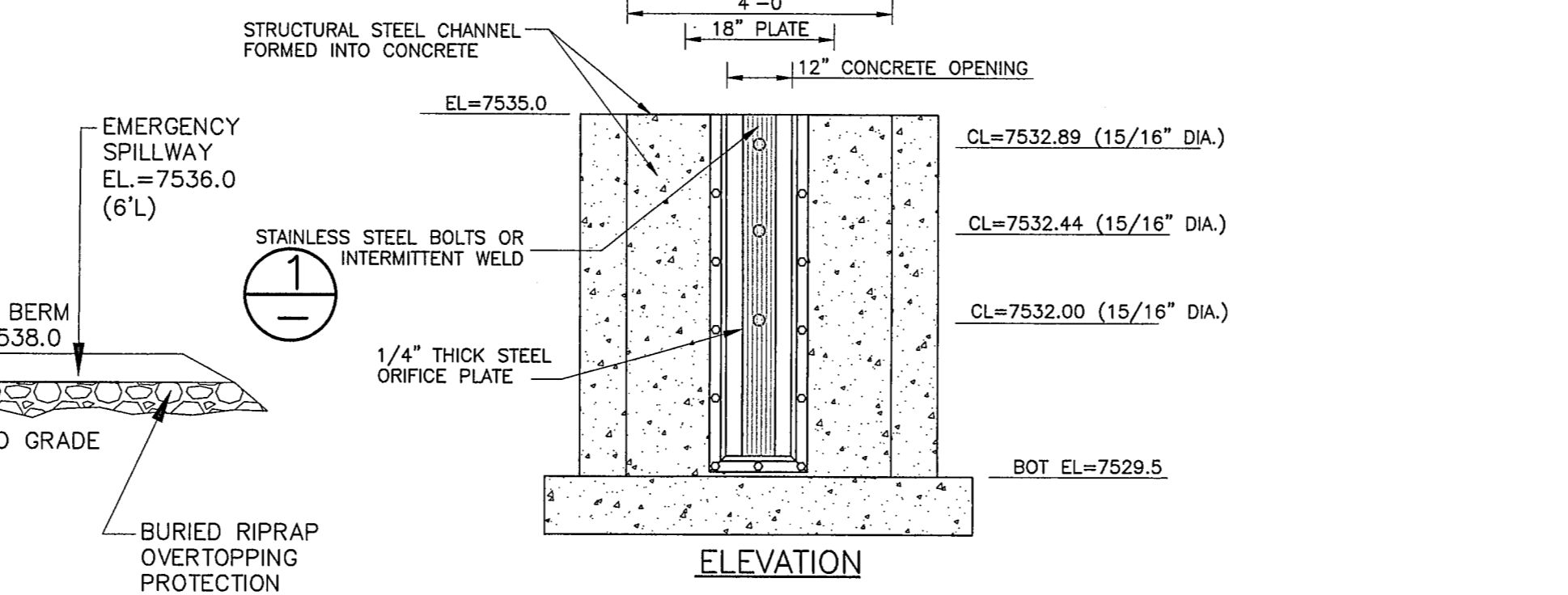
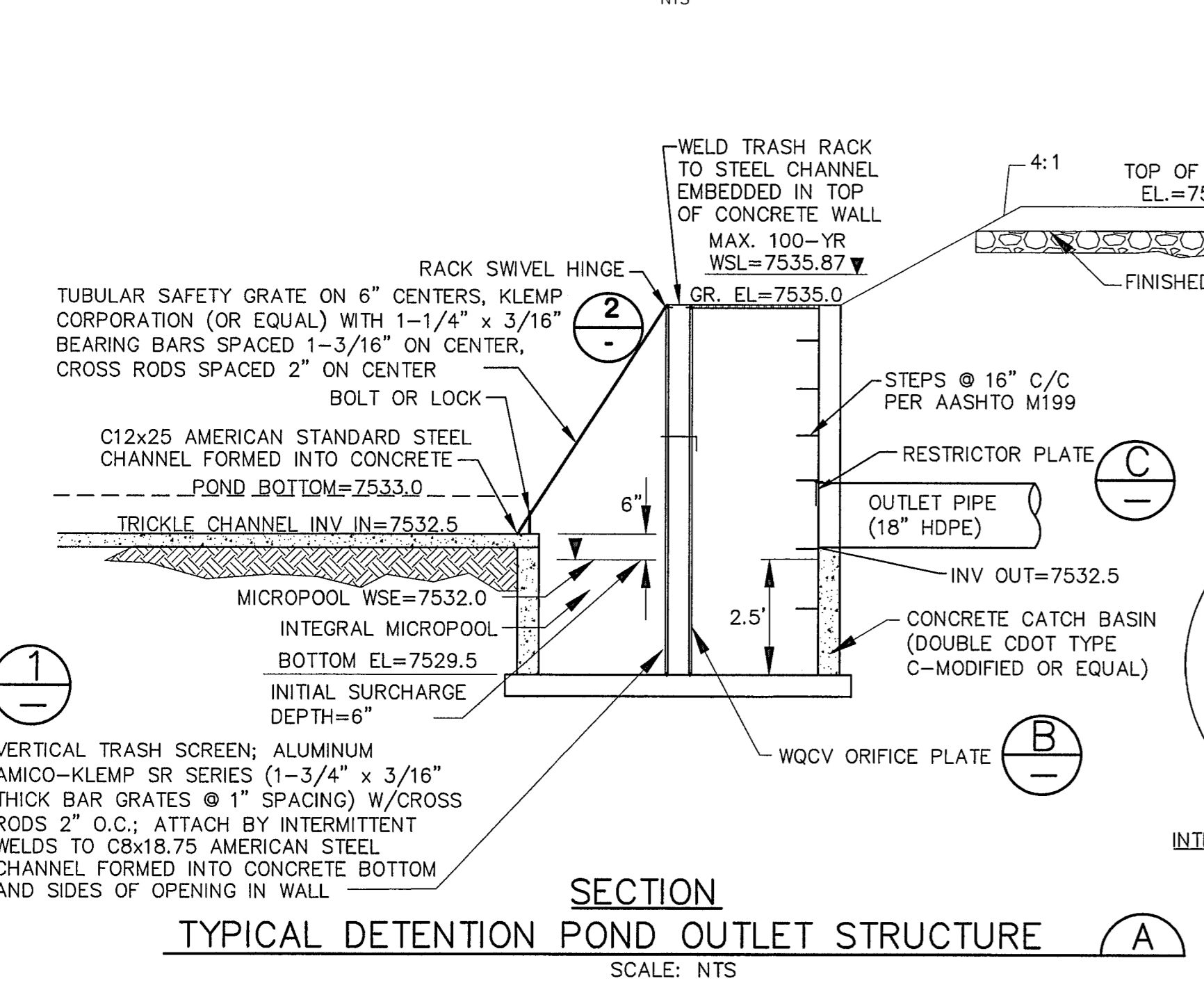
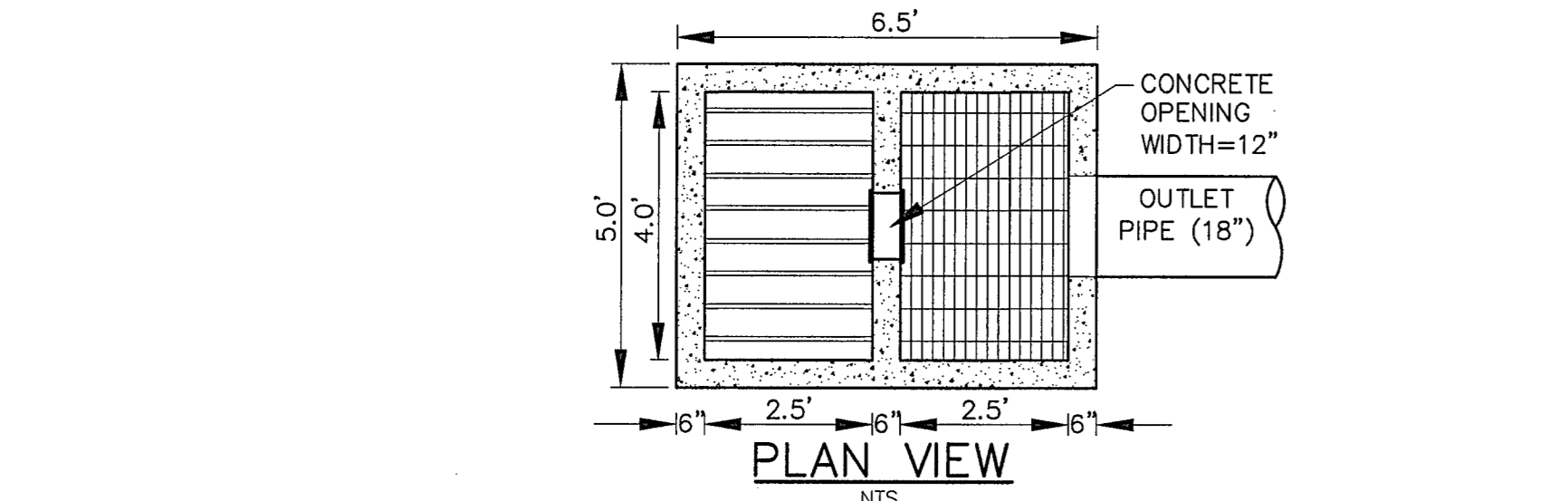
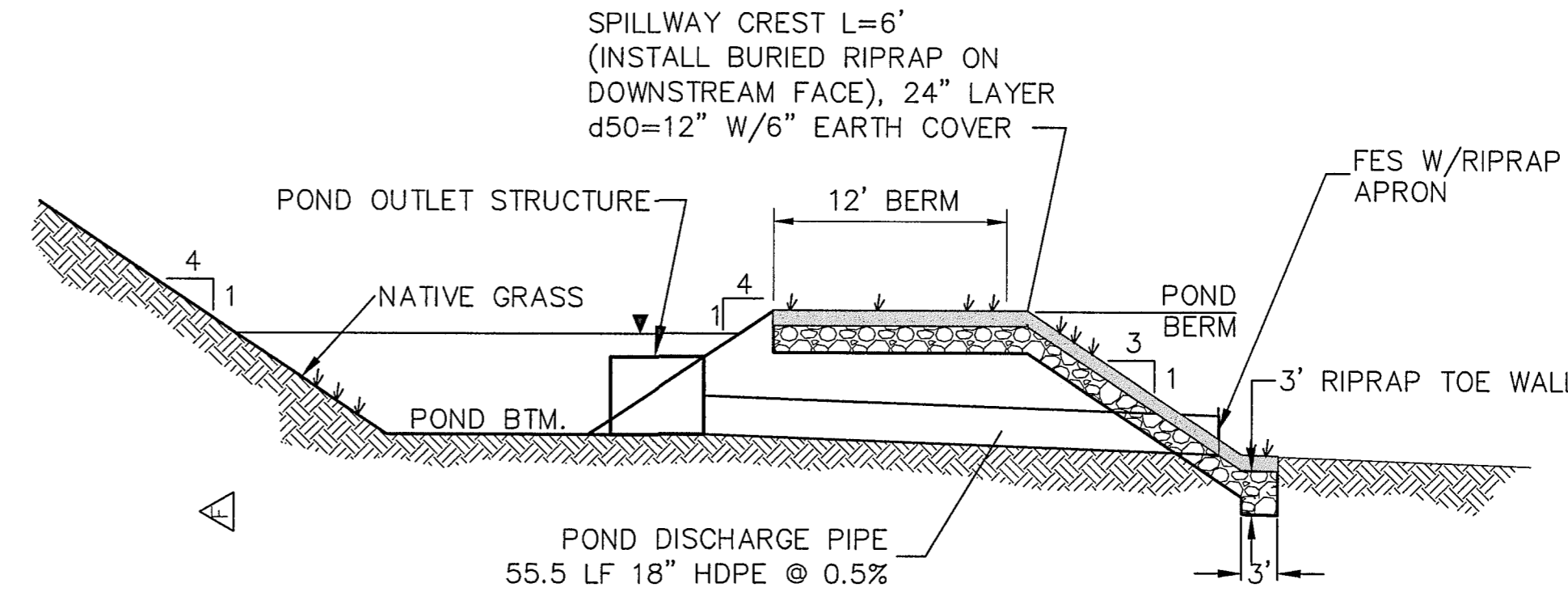
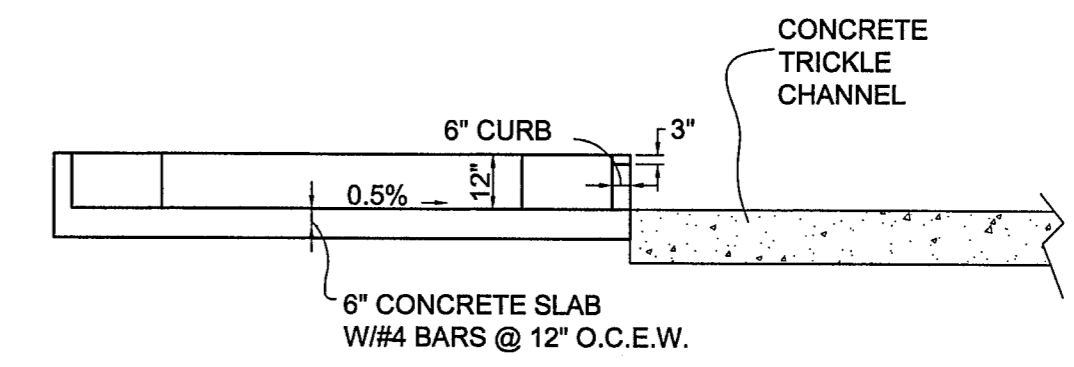
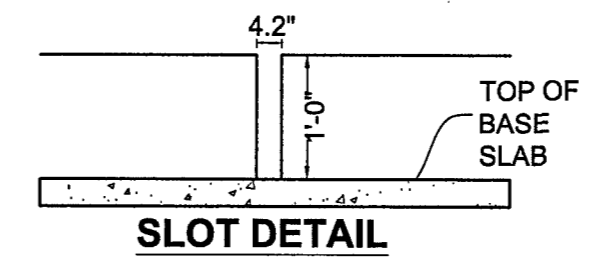
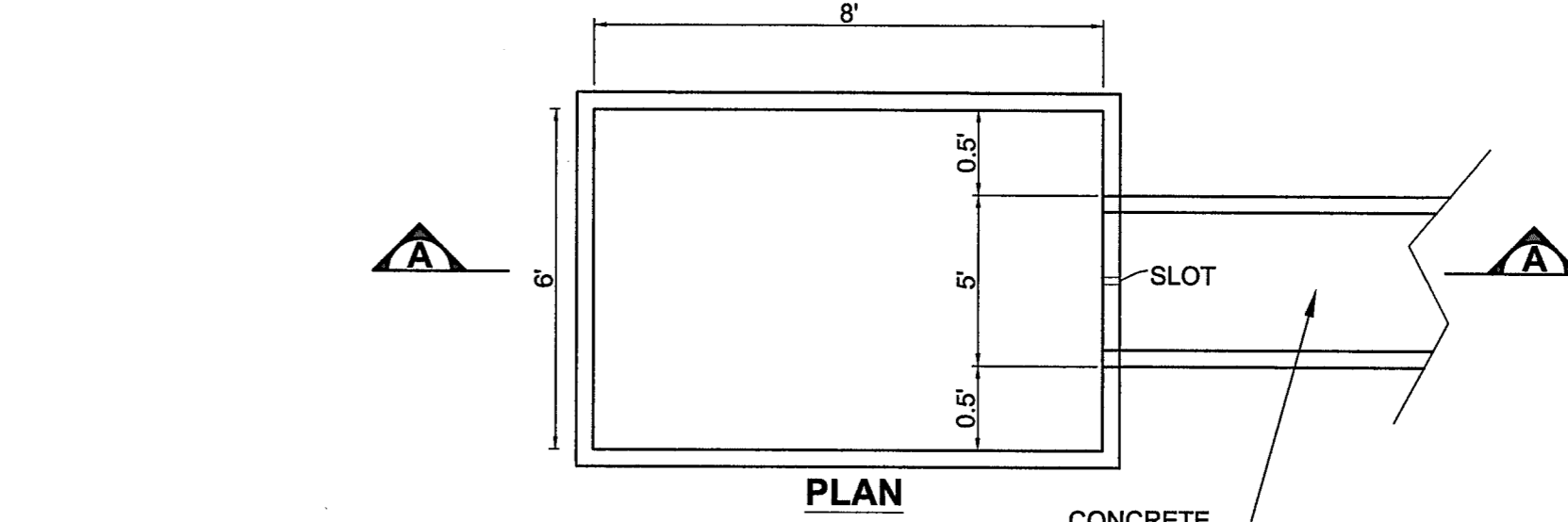
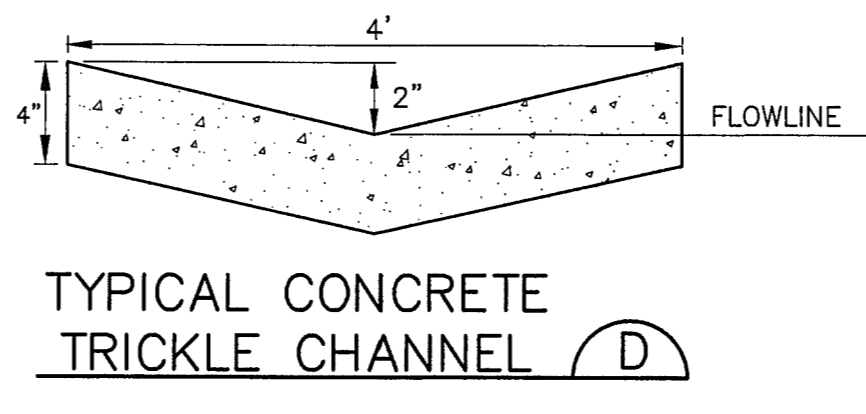
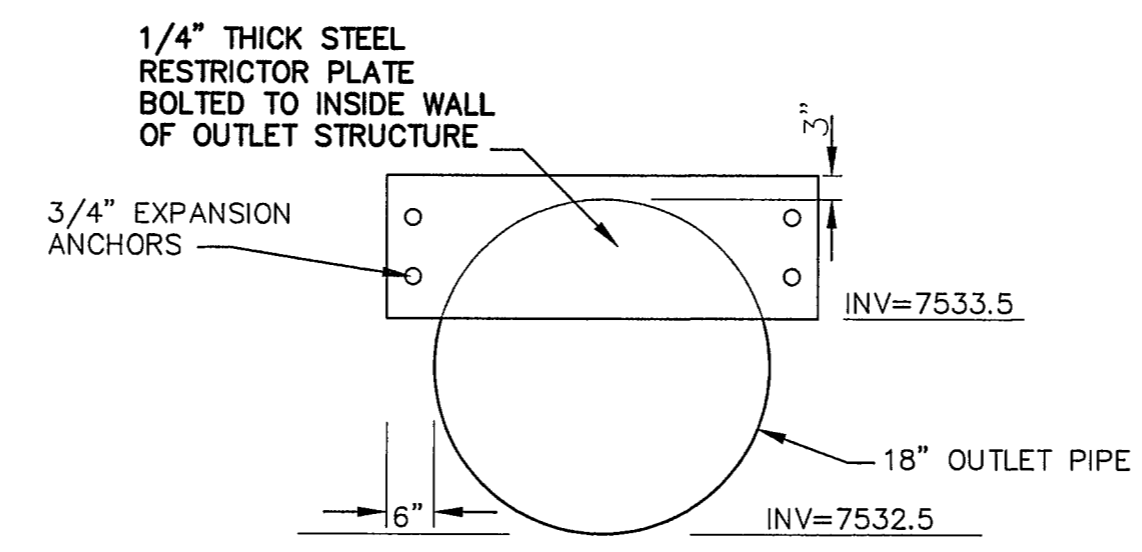
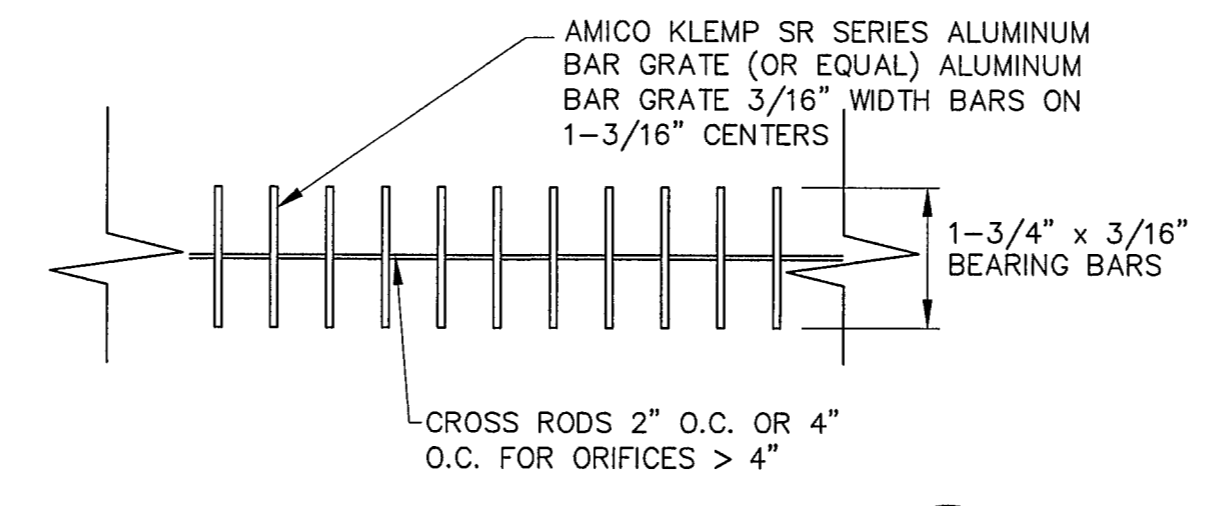




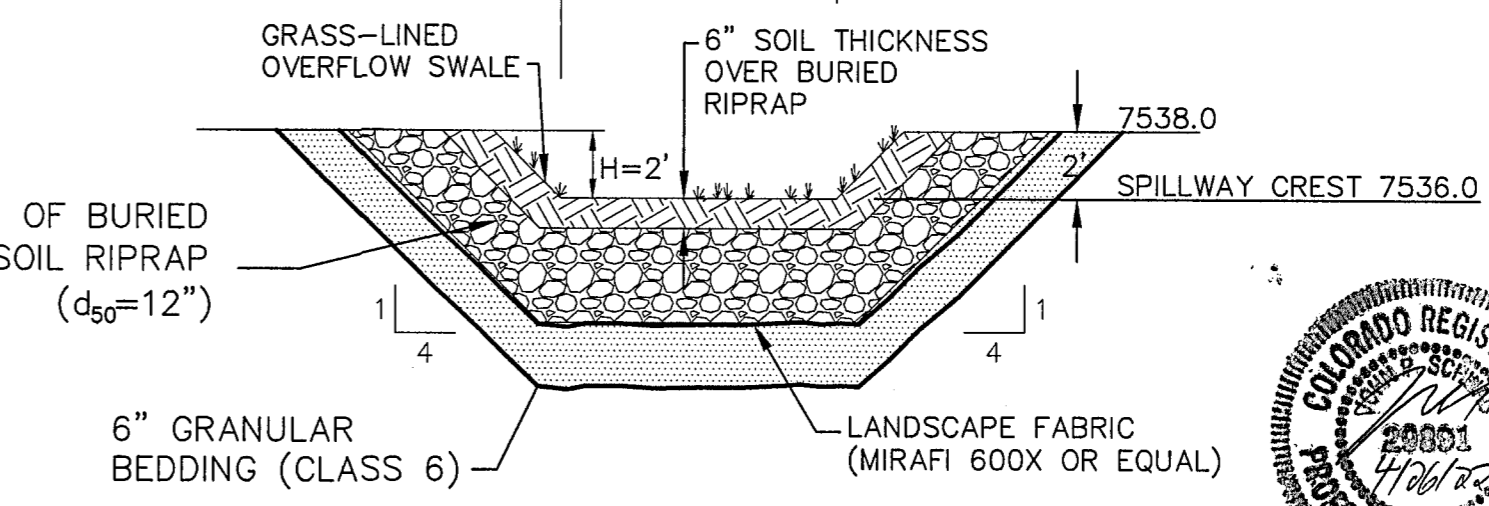
**TEMPORARY SEDIMENT BASIN  
DESIGN DATA - POND B**

BASIN	DRAINAGE AREA (AC)	REQUIRED VOLUME (AF)	D (FT)	HD* (IN)	# COLUMNS	# ROWS
B	11.8	0.5	3	5/8"	3	9

\* PERFORATIONS AT 4" VERTICAL SPACING

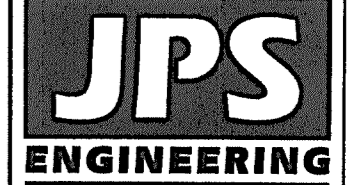


- ORIFICE PLATE AND TRASH RACK  
DETAILS AND NOTES (B)**  
NTS
- ORIFICE PLATE NOTES:**
1. PROVIDE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
  2. BOLT PLATE TO CONCRETE 12" MAX. ON CENTER.
- EURV AND WQCV TRASH RACKS:**
1. WELL-SCREEN TRASH RACKS (FOR CIRCULAR ORIFICES) SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
- OVERFLOW TRASH RACKS:**
1. ALL TRASH RACKS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED AND LOCKABLE OR BOLTABLE ACCESS PANELS.
  2. TRASH RACKS SHALL BE STAINLESS STEEL, ALUMINUM, OR STEEL. STEEL TRASH RACKS SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
  3. TRASH RACKS SHALL BE CHOSEN SUCH THAT THE DIAGONAL DIMENSION OF EACH OPENING IS SMALLER THAN THE DIAMETER OF THE OUTLET PIPE.

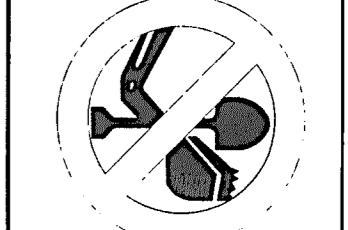


- RIPRAP NOTES:**
1. RIPRAP SHALL HAVE A MINIMUM SPECIFIC GRAVITY OF 2.6.
  2. RIPRAP GRADATION SHALL CONFORM TO TABLE 10-7 AND 10-8 OF THE EPC DRAINAGE CRITERIA MANUAL.
  3. CONTRACTOR SHALL SUBMIT RIPRAP GRADATION TO ENGINEER FOR APPROVAL PRIOR TO DELIVERY.

**ROLLIN RIDGE - FILING NO. 1**



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BEFORE YOU DIG, GRADE, OR EXCAVATE  
FOR THE MEMBER UTILITIES.

NO.	REVISION	DATE	BY
1	COUNTY COMMENTS	2/28/20	JPS
2	COUNTY COMMENTS	5/13/20	JPS
3	COUNTY COMMENTS	7/16/20	JPS
4	COUNTY COMMENTS	9/08/20	JPS
5	POND B ACCESS REVISION	4/26/22	JPS

**DETENTION POND B  
PLAN & DETAILS**



HORIZ. SCALE: N/A	DRAWN: BJJ
VERT. SCALE: N/A	DESIGNED: JPS
SURVEYED: RAMPART	CHECKED: JPS
CREATED: 7/02/19	LAST MODIFIED: 4/26/22
PROJECT NO: 081702	MODIFIED BY: BJJ
SHEET:	

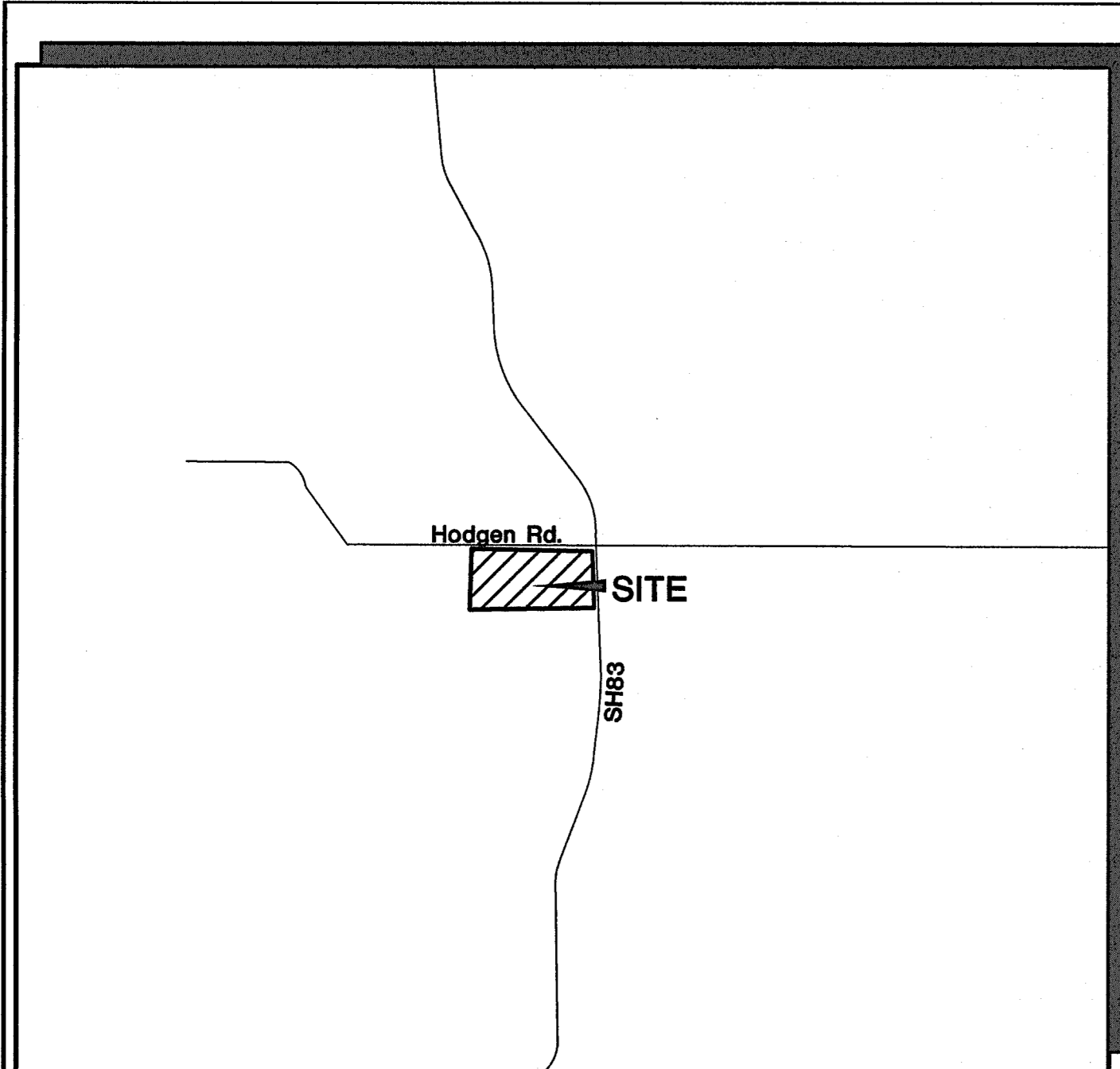
EPC 5/10/2022  
PCD File No. SF-19-022  
PCD File No. SF-21-043

**C3.2**

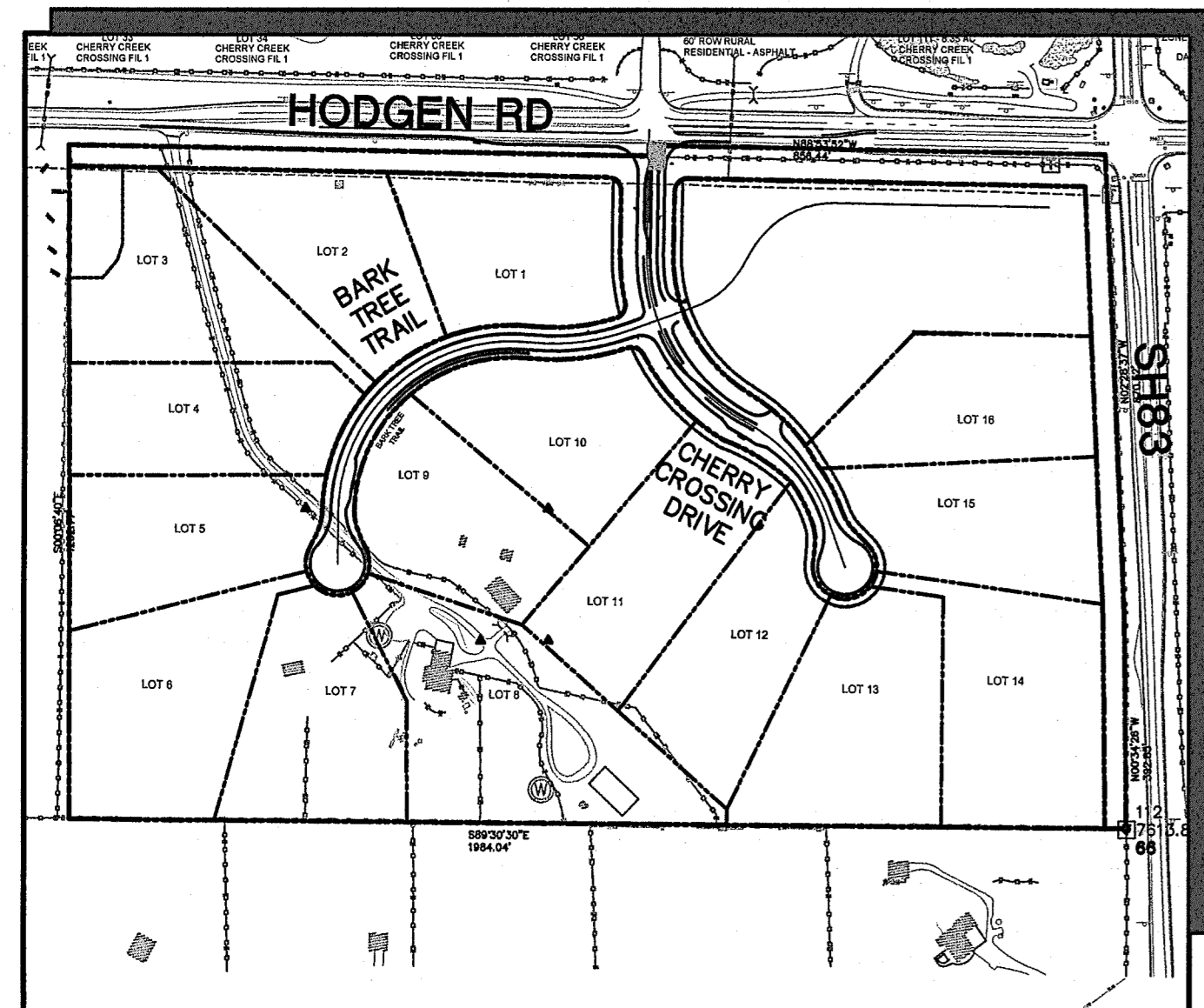
C:\Users\Owner\Desktop\Drawings\Drawings\rollin-ridge\dwg\civil\C3.2.dwg Apr 26, 2022 11:57am



# ROLLIN RIDGE Filing No. 1 Construction Drawings El Paso County, Colorado



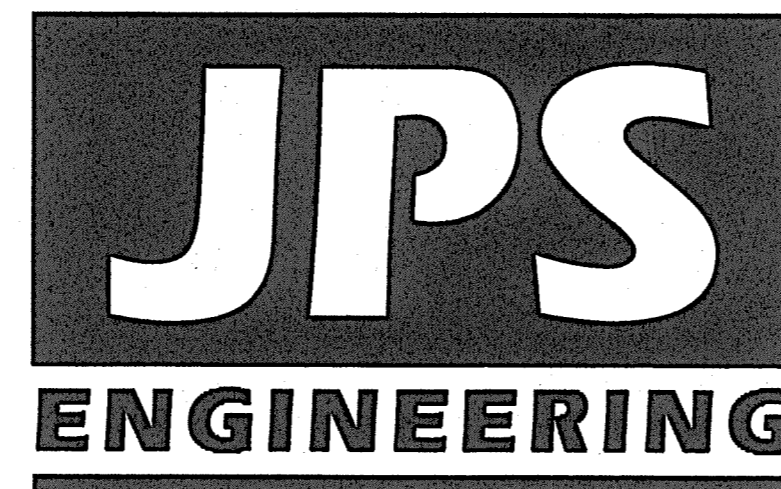
VICINITY MAP  
NOT TO SCALE



SITE MAP  
NOT TO SCALE

PREPARED FOR:  
**TC&C LLC**  
17572 Colonial Park Drive  
Monument, CO 80132

PREPARED BY:



PREPARED BY:  
**19 East Willamette Avenue**  
Colorado Springs, Colorado 80903  
September, 2020

**AGENCIES/CONTACTS**

<b>DEVELOPER:</b>	TC&C LLC 17572 COLONIAL PARK DRIVE MONUMENT, CO 80132 MR. CARL TURSE (719) 651-4013	<b>GAS DEPARTMENT:</b>	BLACK HILLS ENERGY MR. SEBASTIAN SCHWENDER (719) 399-3176
<b>CIVIL ENGINEER:</b>	JPS ENGINEERING, INC. 19 E. WILLAMETTE AVENUE COLORADO SPRINGS, CO 80903 MR. JOHN P. SCHWAB, P.E. (719) 477-9429	<b>ELECTRIC DEPARTMENT:</b>	MOUNTAIN VIEW ELECTRIC ASSOCIATION 11140 E. WOODMEN ROAD COLORADO SPRINGS, CO 80908 MR. DAVE WALDNER (719) 495-2283
<b>LOCAL ROADS &amp; DRAINAGE:</b>	EL PASO COUNTY PCD 2880 INTERNATIONAL CIRCLE COLORADO SPRINGS, CO 80910 (719) 520-6300	<b>TELEPHONE COMPANY:</b>	CENTURY LINK COMMUNICATIONS (LOCATORS) (800) 922-1987  A.T. & T. (LOCATORS) (719) 635-3674
<b>STATE HIGHWAY:</b>	COLORADO DEPARTMENT OF TRANSPORTATION REGION 2 5615 WILLS BLVD. PUEBLO, CO 81008 MS. VALERIE SWORD (719) 546-5407		

**SHEET INDEX**

G1	TITLE SHEET
G2	GENERAL NOTES & LEGEND
TY1	TYPICAL SECTIONS & DETAILS
TY2	TYPICAL SECTIONS & DETAILS
PP1	CHERRY CROSSING DRIVE PLAN & PROFILE
PP2	BARK TREE TRAIL PLAN & PROFILE
SD1	STORM DRAIN PLAN & PROFILES

NOTE: REFER TO SIGNING AND STRIPING PLAN BY LSC

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

*John P. Schwab*  
JOHN P. SCHWAB, P.E. #29891      9/19/20      DATE

**OWNER/DEVELOPER'S STATEMENT:**  
I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

*Carl Turse*  
TC&C LLC  
17572 COLONIAL PARK DRIVE  
MONUMENT, COLORADO 80132      9-9-2020      DATE

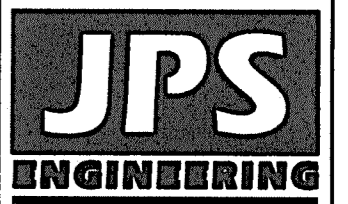
**EL PASO COUNTY:**  
COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT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

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

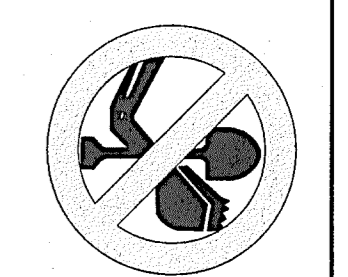
IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THEY WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW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

APPROVED  
Engineering Department  
10/26/2020 7:00 PM  
JENNIFER IRVINE, P.E.  
COUNTY ENGINEER / ECM ADMINISTRATOR      DATE

PCD FILE NO. SF-19-022



19 E. Willamette Ave.  
Colorado Springs, CO  
80903  
PH: 719-477-9429  
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www.jpseng.com



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LOCATE AND MARK THE  
MEMBER UTILITIES.

NO.	REVISION	DATE
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3	COUNTY COMMENTS	JPS 5/13/20
4	COUNTY COMMENTS	JPS 7/16/20
5	COUNTY COMMENTS	JPS 9/08/20

**ROLLIN RIDGE - FILING NO. 1**

**TITLE SHEET**

HORIZ. SCALE:	HS	DRAWN:	BJJ
VERT. SCALE:	VS	DESIGNED:	JPS
SURVEYED:	RAMPART	CHECKED:	JPS
CREATED:	8/13/19	LAST MODIFIED:	9/08/20
PROJECT NO:	081702	MODIFIED BY:	BJJ

SHEET: **G1**

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**BASIS OF BEARING:**  
BEGINNING AT THE SOUTHWEST CORNER OF PARCEL 3, AS DESCRIBED IN DEED RECORDED UNDER SAID RECEPTION NO. 217125842, SAID POINT ALSO BEING THE SOUTHEAST CORNER OF THAT TRACT OF LAND AS DESCRIBED IN DEED RECORDED UNDER RECEPTION NO. 200156068 OF SAID COUNTY RECORDS, AS MONUMENTED BY A 5/8" REBAR (NO CAP), FROM WHICH THE NORTHWEST CORNER OF SAID PARCEL 3, SAID POINT ALSO BEING THE SOUTHWEST CORNER OF THAT RIGHT-OF-WAY PARCEL AS DESCRIBED IN DEED RECORDED UNDER RECEPTION NO. 206076668 OF SAID COUNTY RECORDS, AS MONUMENTED BY A 5/8" REBAR WITH ORANGE CAP STAMPED "PLS 324.39" BEARS N00°06'39"W (S00°06'40"E PER THAT DEED RECORDED UNDER SAID RECEPTION NO. 217125842), A DISTANCE OF 1262.77 FEET (1262.73 FEET OF RECORD)

**BENCHMARK:**  
SURVEY CONTROL POINTS AS SHOWN.  
ALL ELEVATION BASED UPON NGS DESIGNATION "4 BB RESET"  
ELEVATION = 7570.80 (NAVD 88 VERTICAL DATUM)



# ENGINEERING RECORD DRAWINGS

## COUNTY GENERAL NOTES:

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

## PROJECT GENERAL NOTES:

- EXISTING CONTOUR DATA CONSISTS OF AERIAL TOPOGRAPHIC SURVEY DATA PROVIDED BY OWNER. JPS ENGINEERING TAKES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING TOPOGRAPHIC MAPPING.
- STATIONING IS AT CENTERLINE UNLESS OTHERWISE NOTED. ALL ELEVATIONS ARE AT EDGE OF ASPHALT (EOA) UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE FROM EDGE OF ASPHALT TO EDGE OF ASPHALT UNLESS OTHERWISE NOTED.
- PROPOSED CONTOURS SHOWN ARE TO FINISHED GRADE.
- LENGTHS SHOWN FOR STORM SEWER PIPES ARE TO CENTER OF MANHOLE.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING STRUCTURES, DEBRIS, WASTE AND OTHER UNSUITABLE FILL MATERIAL FOUND WITHIN THE LIMITS OF EXCAVATION.
- MATCH INTO EXISTING GRADES AT 3:1 MAX CUT AND FILL SLOPES.
- REVEGETATION OF ALL DISTURBED AREAS SHALL BE DONE WITH SPECIFIED SEED MIX WITHIN 60 DAYS AFTER FINE GRADING IS COMPLETE.
- EROSION CONTROL SHALL CONSIST OF SILT FENCE AND BMP'S AS SHOWN ON THE DRAWING, AND TOPSOIL WITH GRASS SEED, WHICH WILL BE WATERED UNTIL VEGETATION HAS BEEN REESTABLISHED.
- THE EROSION CONTROL MEASURES OUTLINED ON THIS PLAN ARE THE RESPONSIBILITY OF THE DEVELOPER TO MONITOR AND REPLACE, REGRADE, AND REBUILD AS NECESSARY UNTIL VEGETATION IS RE-ESTABLISHED.
- EROSION CONTROL MEASURES SHALL BE IMPLEMENTED IN A MANNER THAT WILL PROTECT ADJACENT PROPERTIES AND PUBLIC FACILITIES FROM THE ADVERSE EFFECTS OF EROSION AND SEDIMENTATION AS A RESULT OF CONSTRUCTION AND EARTHWORK ACTIVITIES WITHIN THE PROJECT SITE.
- ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS DETERMINED BY SITE CONDITIONS.
- THE CONTRACTOR WILL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE DUE TO THIS OPERATION. ANY DAMAGE TO THE UTILITIES WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, AND ANY SERVICE DISRUPTION WILL BE SETTLED BY THE CONTRACTOR.
- ALL BACKFILL, SUB-BASE, AND/OR BASE COURSE MATERIAL SHALL BE COMPACTED PER EL PASO COUNTY AND CDOT STANDARDS AND SPECIFICATIONS.
- ALL FINISHED GRADES SHALL HAVE A MINIMUM 1.0% SLOPE TO PROVIDE POSITIVE DRAINAGE.
- IN CASE OF CONFLICT BETWEEN PROPOSED SLOPES AND PROPOSED SPOT ELEVATIONS, SPOT ELEVATIONS SHALL GOVERN.
- CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO BEGINNING WORK.

## GENERAL DRAINAGE & GRADING NOTES:

- INDIVIDUAL BUILDERS SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURES AND ACCOUNT FOR POTENTIAL CROSS-LOT DRAINAGE IMPACTS WITHIN EACH LOT.
- BUILDERS AND PROPERTY OWNERS SHALL IMPLEMENT & MAINTAIN EROSION CONTROL BEST MANAGEMENT PRACTICES FOR PROTECTION OF DOWNSTREAM PROPERTIES AND FACILITIES INCLUDING PROTECTION OF EXISTING GRASS BUFFER STRIPS ALONG THE DOWNSTREAM PROPERTY BOUNDARIES.
- GRADING AND DRAINAGE WITHIN LOTS IS THE RESPONSIBILITY OF THE INDIVIDUAL BUILDERS AND PROPERTY OWNERS.
- FINAL GRADING TO COMPLY WITH H.U.D. STANDARDS CONTAINED IN SECTION 310 AND 602 OF THE MINIMUM PROPERTY STANDARDS (MPS) 4900.1. HANDBOOK 4140.3 CHG (DATA SHEET 79g), IF APPLICABLE, AND ALL LEGAL STANDARDS.

## COUNTY SIGNING AND STRIPING NOTES:

- ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
- ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT (PCD).
- ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
- STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
- ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
- ALL STREET NAME SIGNS SHALL HAVE "D" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING 4" UPPER-LOWER CASE LETTERING ON 8" BLANK AND NON-LOCAL ROADWAY SIGNS BEING 6" LETTERING, UPPER-LOWER CASE ON 12" BLANK, WITH WHITE BORDER THAT IS NOT RECESSED. MULTI-LANE ROADWAYS WITH SPEED LIMITS OF 40 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING ON 18" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD "STANDARD HIGHWAY SIGNS".
- ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
- ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" X 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614-8 REGARDING USE OF THE P2 TUBULAR STEEL POST SLIPBASE DESIGN.
- ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
- ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 12" WIDE AND 8' LONG PER CDOT S-627-1.
- ALL LONGITUDINAL LINES SHALL BE A MINIMUM 15MIL THICKNESS EPOXY PAINT. ALL NON-LOCAL RESIDENTIAL ROADWAYS SHALL INCLUDE BOTH RIGHT AND LEFT EDGE LINE STRIPING AND ANY ADDITIONAL STRIPING AS REQUIRED BY CDOT S-627-1.
- THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT (PCD) (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
- THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

## LEGEND:

	SECTION LINE - NEW/EXISTING
	EASEMENT LINE - NEW/EXISTING
	CONTOUR - NEW/EXISTING
	PROPERTY LINE - NEW/EXISTING
	FENCE - NEW/EXISTING
	OVERHEAD ELECTRIC LINE W/ POWER POLE NEW/EXISTING
	UNDERGROUND ELECTRIC LINE NEW/EXISTING
	UNDERGROUND ELECTRIC - NEW/EXISTING
	TELEPHONE - NEW/EXISTING
	GAS - NEW/EXISTING
	WATER - NEW/EXISTING
	ECB - DITCH LINING
	SECTION NUMBER
	SHEET ON WHICH SECTION IS SHOWN

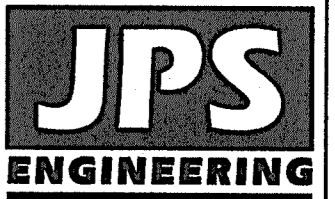


EPC 10/20/2020

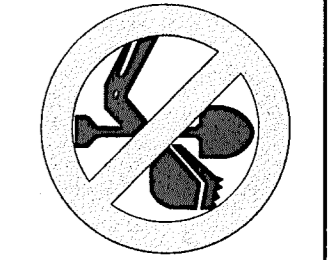
PCD FILE NO. SF-19-022

ROLLIN RIDGE - FILING NO. 1

GENERAL NOTES & LEGEND



19 E. Willamette Ave.  
Colorado Springs, CO  
80903  
PH: 719-477-9429  
FAX: 719-471-0766  
www.jpsegr.com



CALL UTILITY NOTIFICATION CENTER OF COLORADO  
1-800-922-1987  
CALL 2-BUSINESS DAYS IN ADVANCE TO REPORT THE MARKINGS OF UNDERGROUND MEMBER UTILITIES.

No.	REVISION	DATE
1	FINAL PLAT SUBMITTAL	10/21/19
2	COUNTY COMMENTS	2/28/20

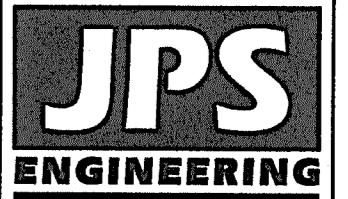
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VERT. SCALE:	VS	DESIGNED:	JPS
SURVEYED:	RAMPART	CHECKED:	JPS
CREATED:	8/29/19	LAST MODIFIED:	2/28/20
PROJECT NO:	081702	MODIFIED BY:	JPS

SHEET:

G2



DESIGN DATA	REFERENCE STANDARD
ROAD CLASSIFICATION: RURAL LOCAL	ECM TABLE 2-5
DESIGN SPEED: 30 MPH	ECM TABLE 2-5
POSTED SPEED: 30 MPH	ECM TABLE 2-5
ROADWAY WIDTH: 28' EOA-EOA	ECM FIGURE 2-8
MIN. HORIZONTAL RADIUS: 300'	ECM TABLE 2-5
MIN. GRADE: 1.0%	ECM TABLE 2-5
MAX. GRADE: 8.0%	ECM TABLE 2-5
MAX. CUL-DE-SAC GRADE: 2.0%	ECM TABLE 2-31
MIN. K-VALUE (CREST): 19	ECM TABLE 2-12
MIN. K-VALUE (SAG): 37	ECM TABLE 2-14



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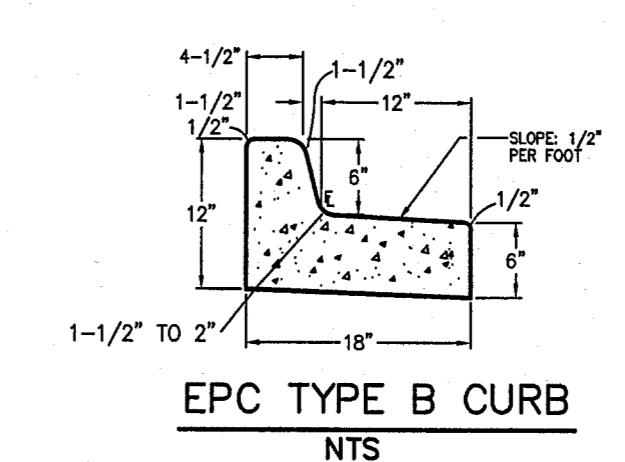
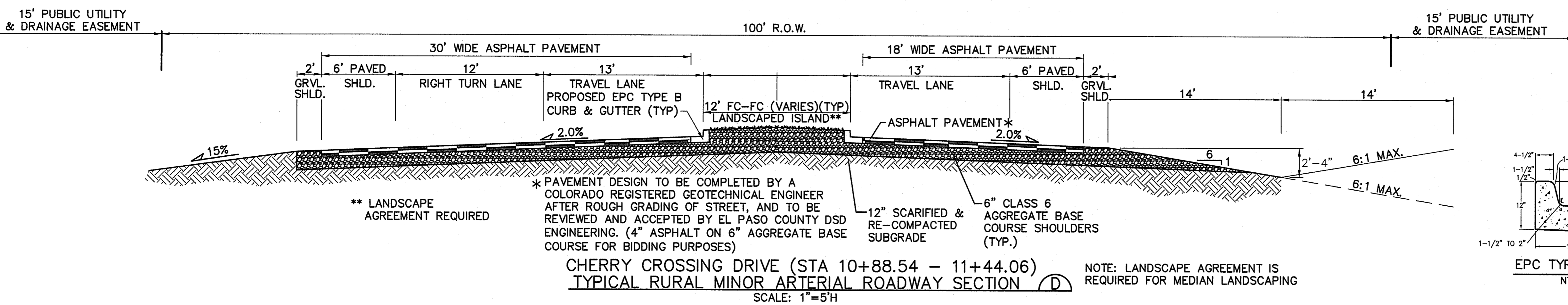
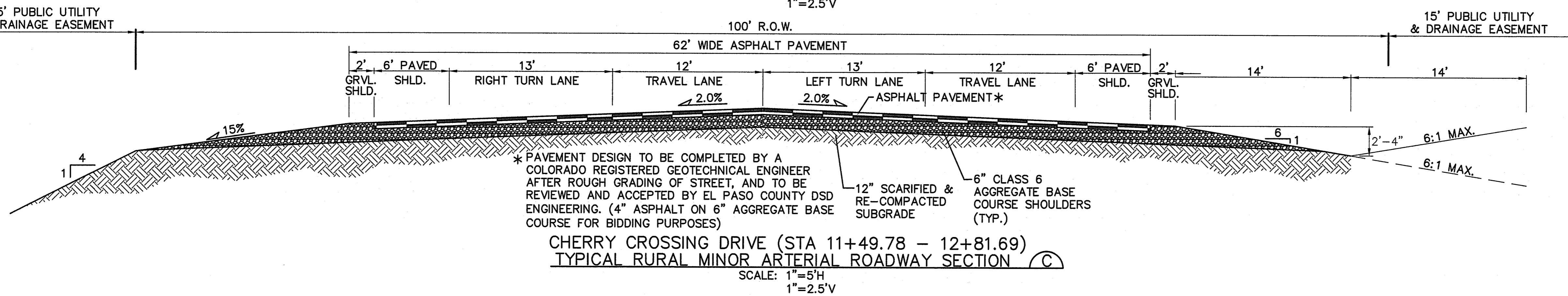
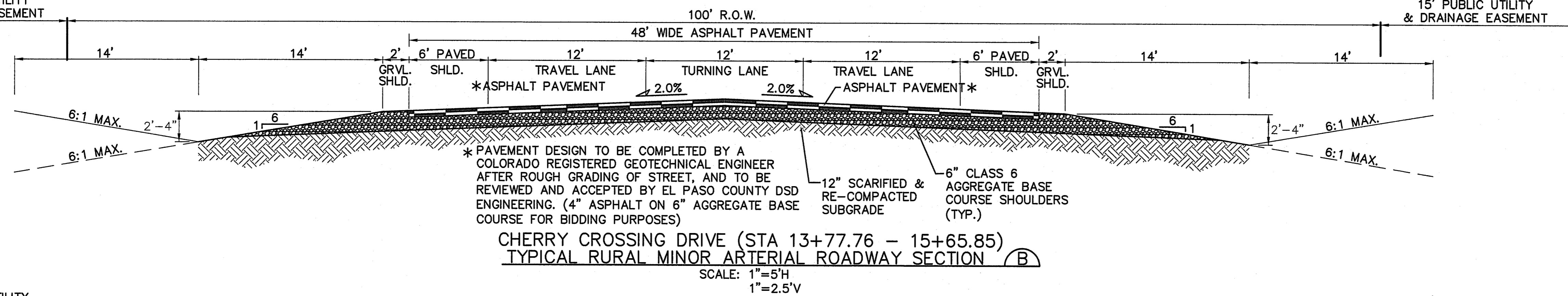
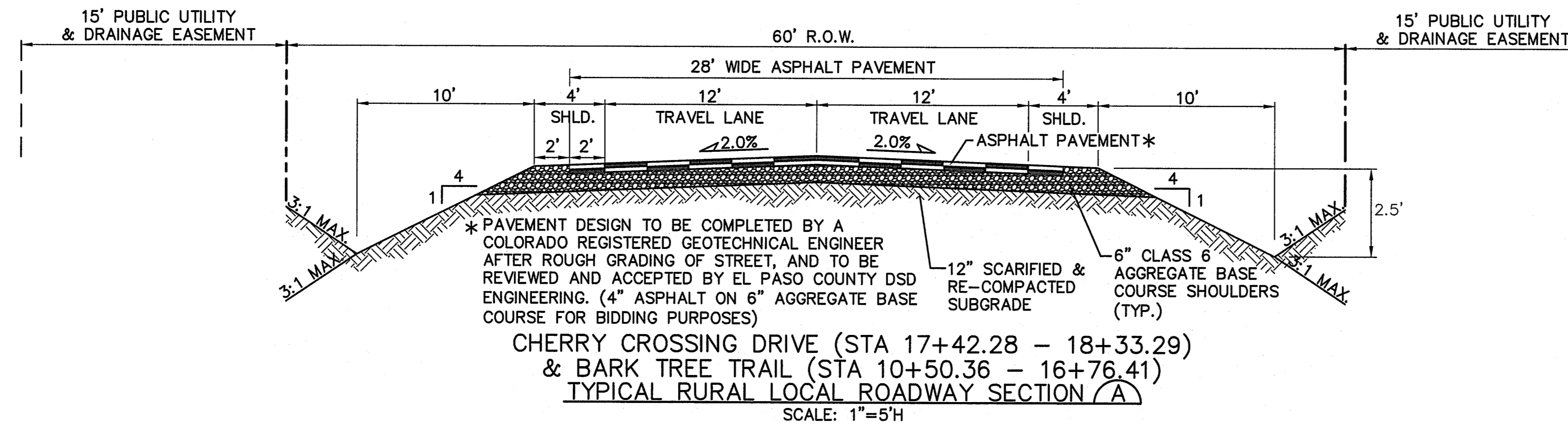
CALL UTILITY NOTIFICATION CENTER OF COLORADO  
1-800-922-1987  
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MEMBER UTILITIES.

## ROLLIN RIDGE - FILING NO. 1

### TYPICAL SECTIONS AND DETAILS

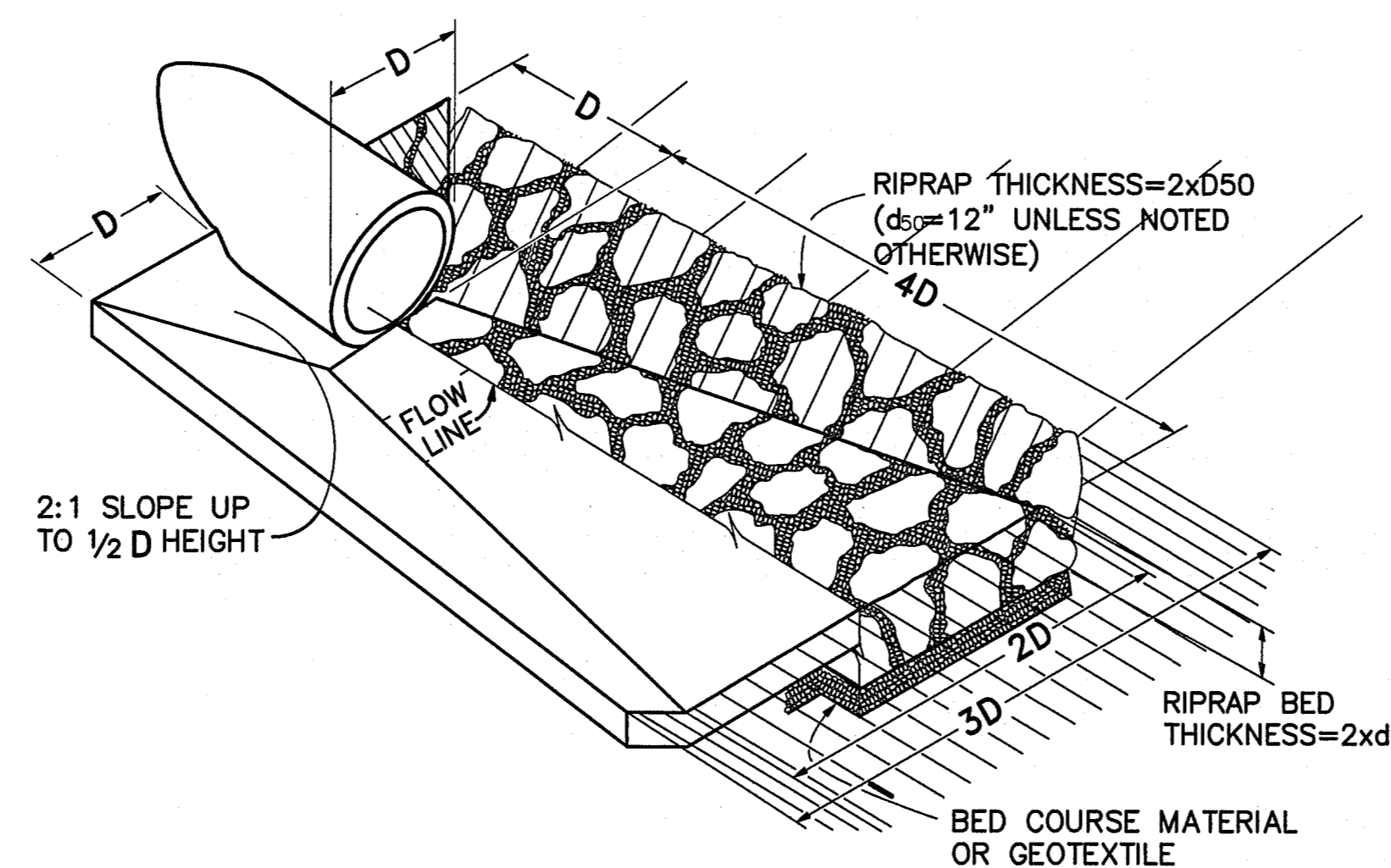
No.	REVISION	DATE	BY
1	FINAL PLAT SUBMITTAL	10/21/19	JPS
2	COUNTY COMMENTS	2/28/20	JPS
3	COUNTY COMMENTS	5/13/20	JPS

SHEET: **TY1**

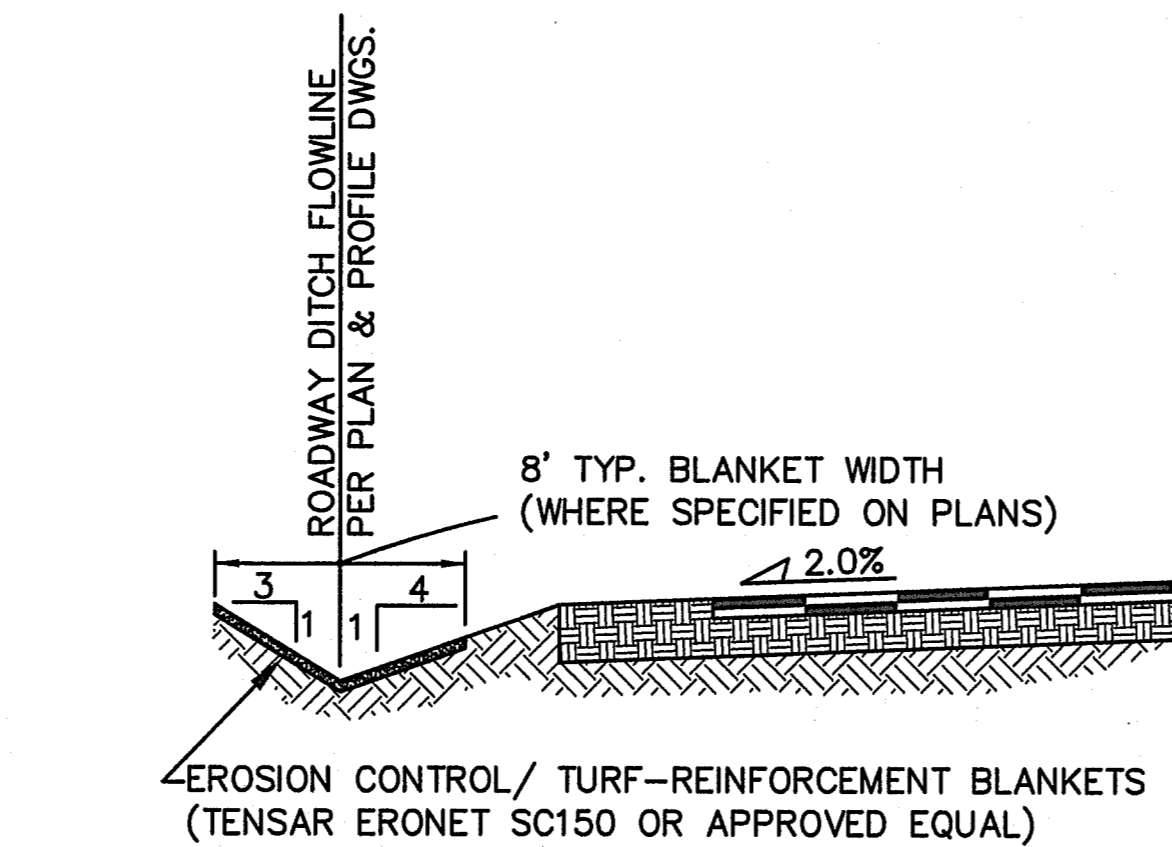


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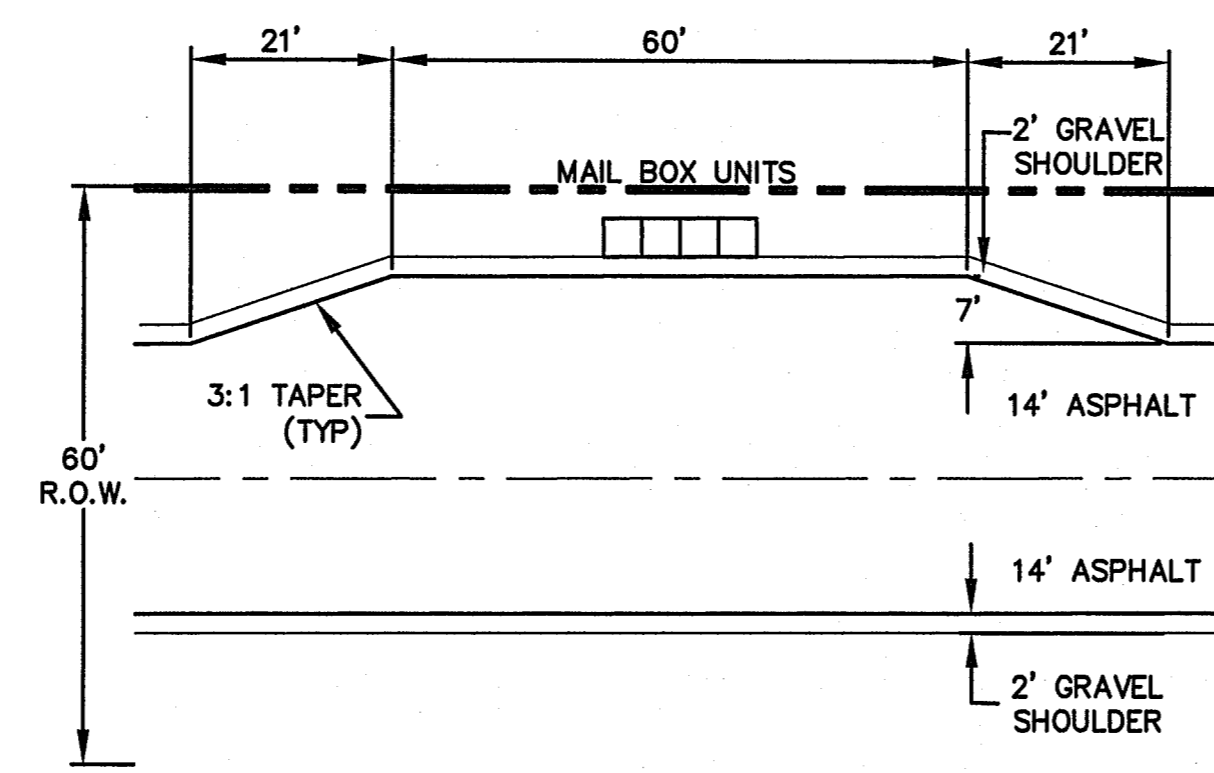




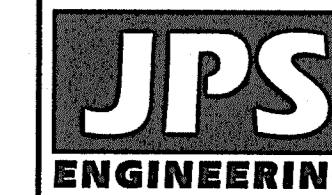
TYPICAL RIPRAP APRON/  
CULVERT OUTLET PAVING 1  
NOT TO SCALE



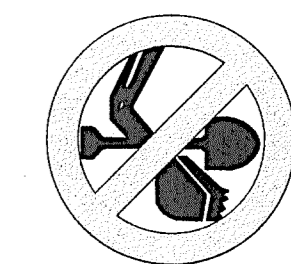
TYPICAL DITCH SECTION WITH  
EROSION CONTROL BLANKETS 2  
SCALE : NTS



TYPICAL MAILBOX KIOSK DETAIL 3  
SCALE: 1" = 20'



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FOR THE MEMBER UTILITIES

ROLLIN RIDGE - FILING NO. 1

TYPICAL DETAILS

No.	REVISION	BY	DATE
1	FINAL PLAT SUBMITTAL	JPS	10/21/19
2	COUNTY COMMENTS	JPS	2/28/20

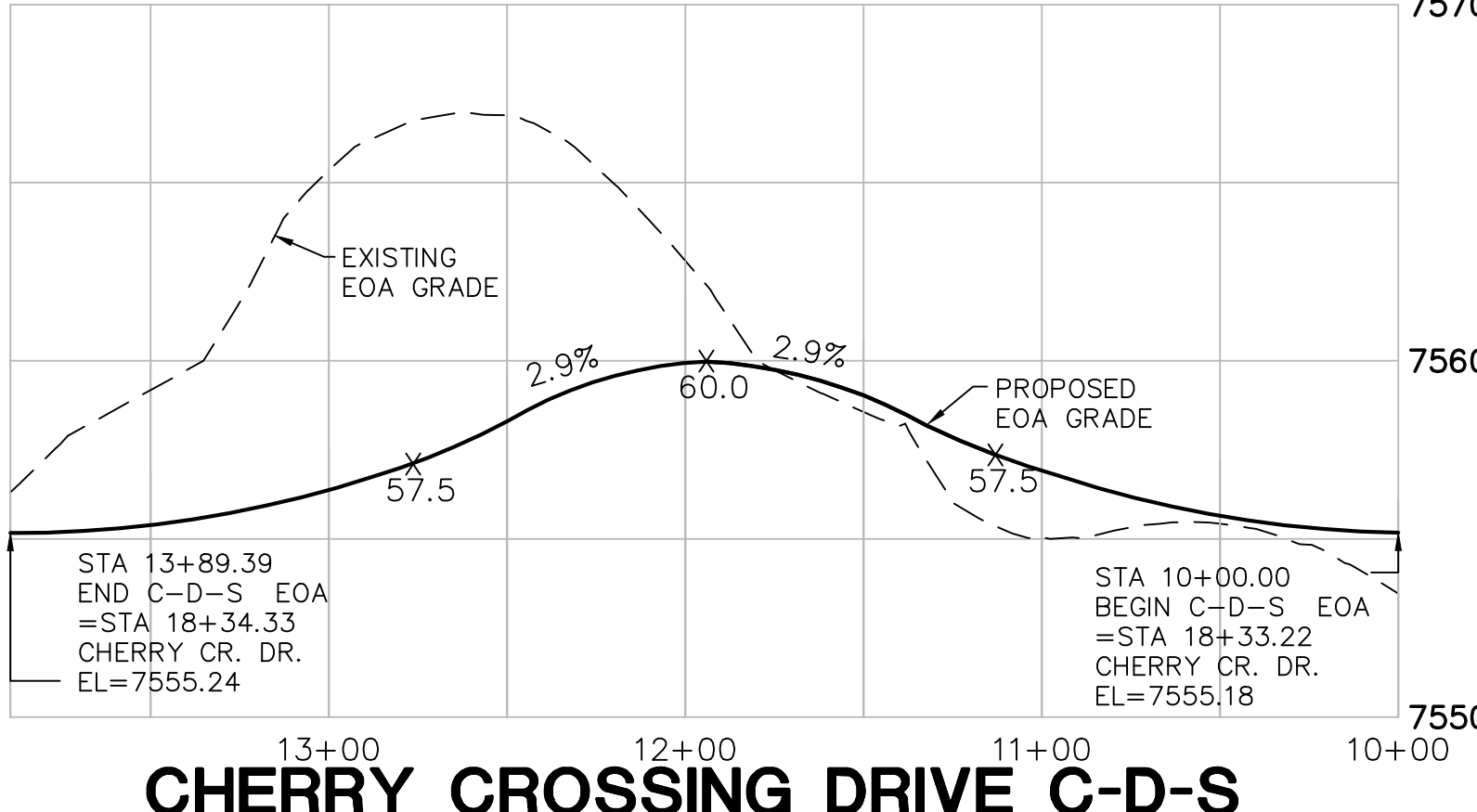
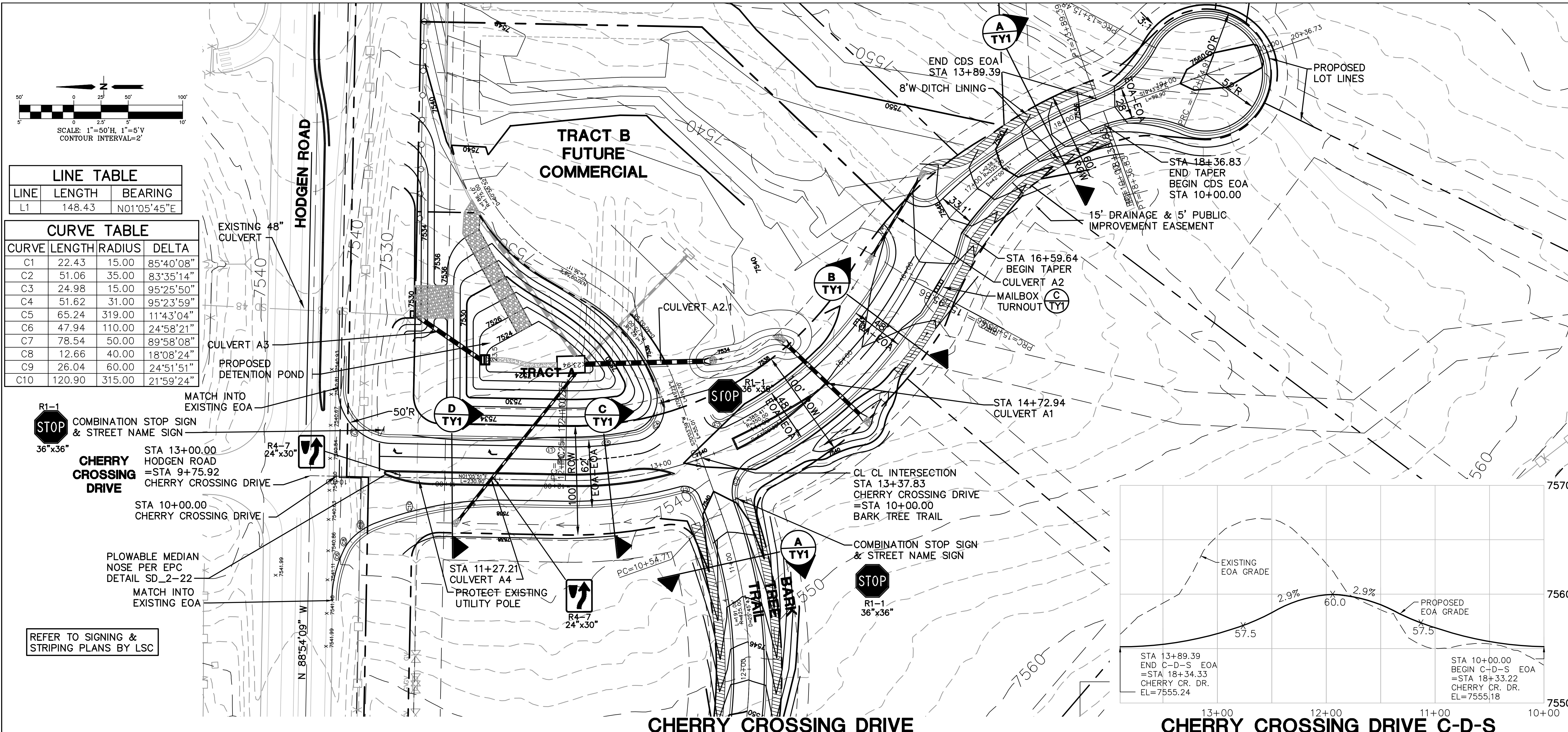


HORIZ. SCALE: 1"=5'	DRAWN: BJJ
VERT. SCALE: AS SHOWN	DESIGNED: JPS
SURVEYED: RAMPART	CHECKED: JPS
CREATED: 2/28/20	LAST MODIFIED: 2/28/20
PROJECT NO: 081702	MODIFIED BY: BJJ

SHEET: TY2



# ENGINEERING RECORD DRAWINGS



**LINE TABLE**

LINE	LENGTH	BEARING
L1	148.43	N01°05'45"E

**CURVE TABLE**

CURVE	LENGTH	RADIUS	DELTA
C1	22.43	15.00	85°40'08"
C2	51.06	35.00	83°35'14"
C3	24.98	15.00	95°25'50"
C4	51.62	31.00	95°23'59"
C5	65.24	319.00	11°43'04"
C6	47.94	110.00	24°58'21"
C7	78.54	50.00	89°58'08"
C8	12.66	40.00	18°08'24"
C9	26.04	60.00	24°51'51"
C10	120.90	315.00	21°59'24"

**STOP** R1-1  
COMBINATION STOP SIGN & STREET NAME SIGN  
36"x36"

**CHERRY CROSSING DRIVE**  
STA 13+00.00  
HODGEN ROAD  
=STA 9+75.92  
CHERRY CROSSING DRIVE

STA 10+00.00  
CHERRY CROSSING DRIVE

PLOWABLE MEDIAN NOSE PER EPC DETAIL SD\_2-22  
MATCH INTO EXISTING EOA

EXISTING 48" CULVERT  
HODGEN ROAD

PROPOSED DETENTION POND

CULVERT A3

PROTECT EXISTING UTILITY POLE

CL-CL INTERSECTION  
STA 13+37.83  
CHERRY CROSSING DRIVE  
=STA 10+00.00  
BARK TREE TRAIL

COMBINATION STOP SIGN & STREET NAME SIGN  
R1-1  
36"x36"

CL-CL INTERSECTION  
STA 13+37.83  
CHERRY CROSSING DRIVE  
=STA 10+00.00  
BARK TREE TRAIL

STA 11+27.21  
CULVERT A4

STA 14+72.94  
CULVERT A1

STA 16+59.64  
BEGIN TAPER  
CULVERT A2  
MAILBOX TURNOUT

STA 18+36.83  
END TAPER  
BEGIN CDS EOA  
STA 10+00.00

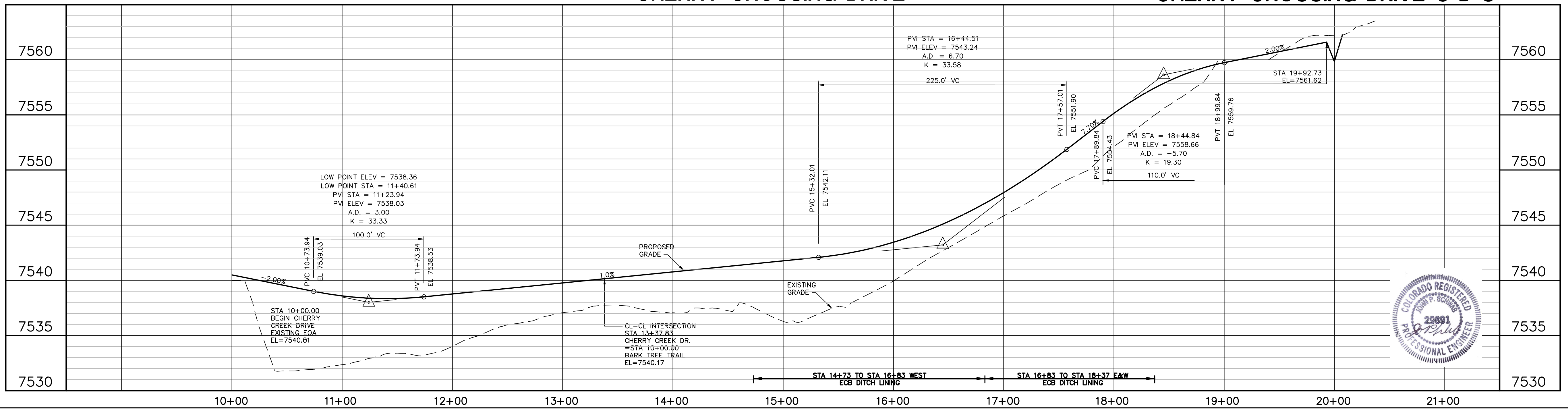
8'W DITCH LINING

15' DRAINAGE & 5' PUBLIC IMPROVEMENT EASEMENT

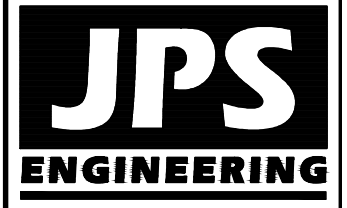
PROPOSED LOT LINES

END CDS EOA  
STA 13+89.39

REFER TO SIGNING & STRIPING PLANS BY LSC



**ROLLIN RIDGE - FILING NO. 1**



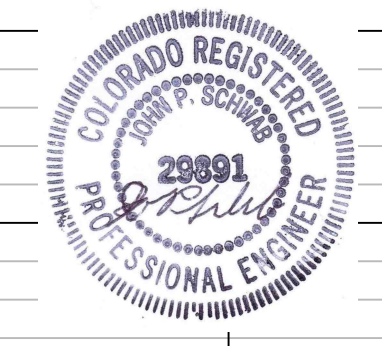
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FOR THE MEMBER UTILITIES.

NO.	REVISION	DATE	BY
1	COUNTY COMMENTS	5/13/20	JPS
2	COUNTY COMMENTS	7/17/20	JPS
3	COUNTY COMMENTS	9/08/20	JPS
4	PROFILE REVISION	3/26/21	JPS
5	SW RADIUS AT HODGEN REVISION	6/29/21	JPS

**CHERRY CROSSING DRIVE  
PLAN & PROFILE**



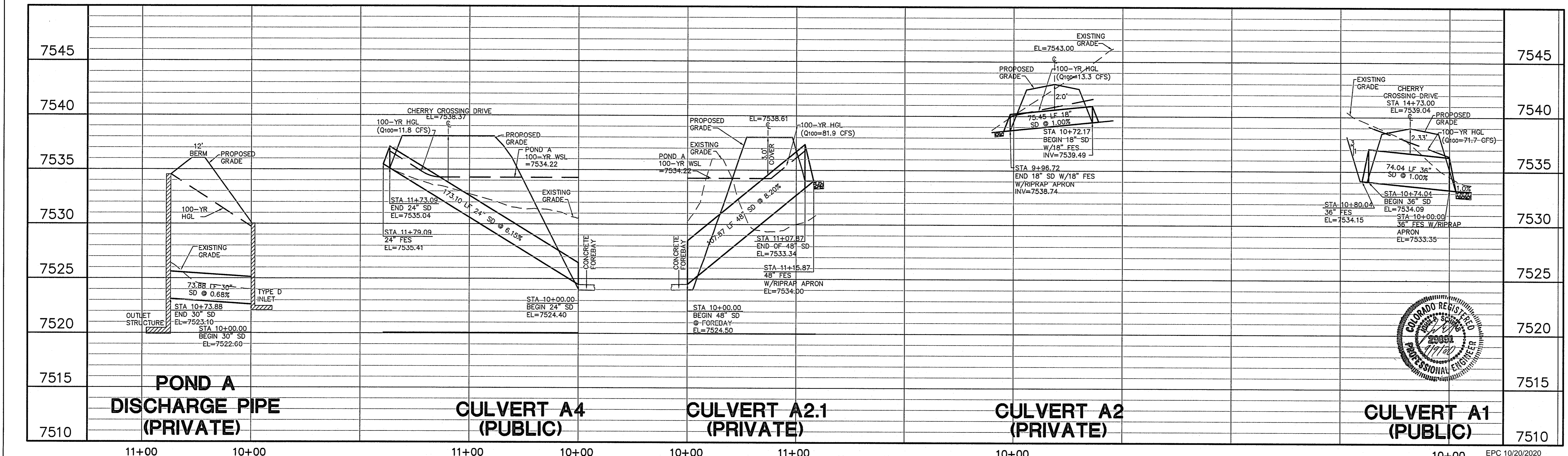
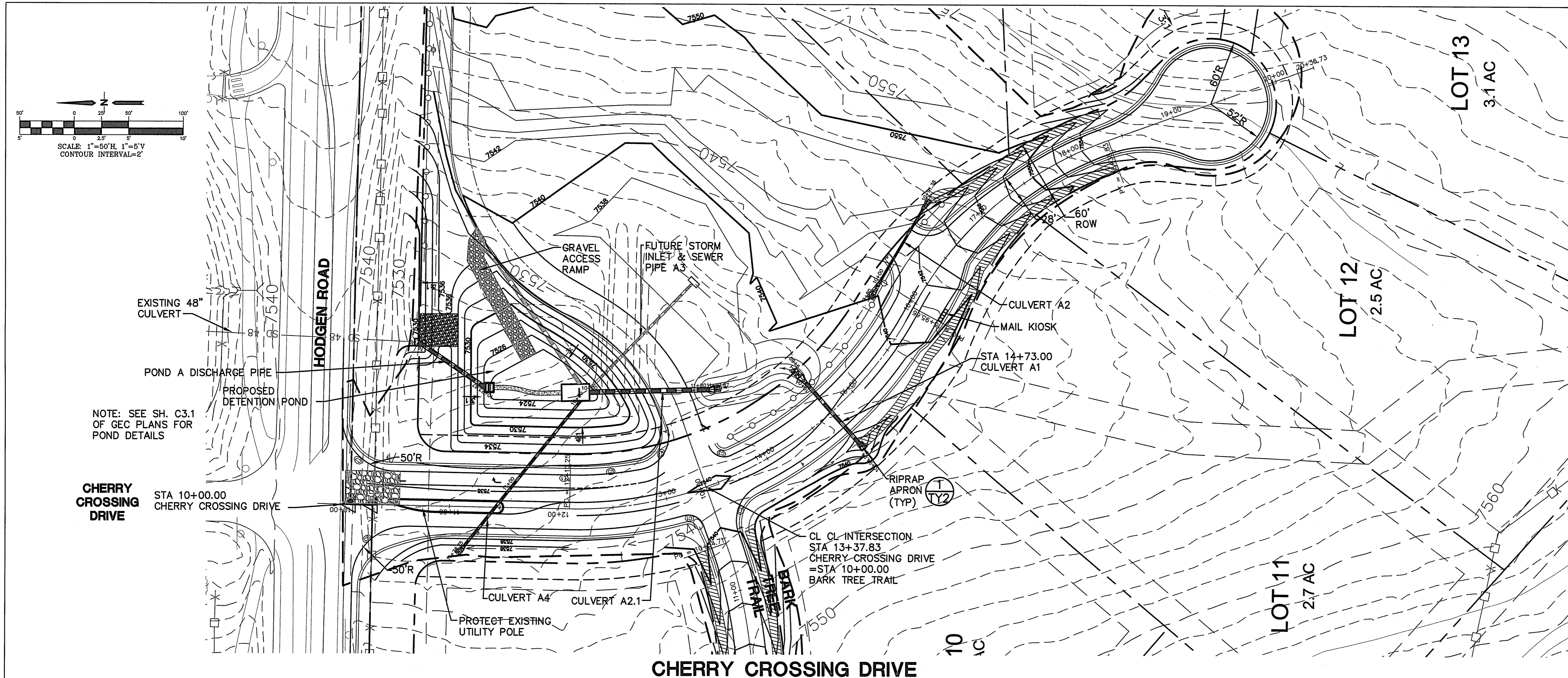
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VERT. SCALE: 1"=5'  
SURVEYED: RAMPART  
CREATED: 10/05/17  
PROJECT NO: 081702  
DRAWN: BJJ  
DESIGNED: JPS  
CHECKED: JPS  
LAST MODIFIED: 6/28/21  
MODIFIED BY:

SHEET: **PP1**

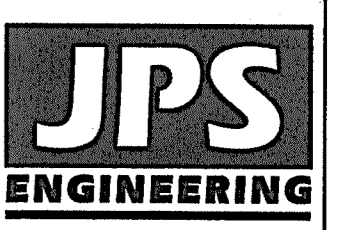








ROLLIN RIDGE - FILING NO. 1



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BEFORE YOU DIG, GRADE, OR EXCAVATE  
FOR THE MARKING OF UNDERGROUND  
MEMBER UTILITIES

No.	REVISION	DATE	BY
1	FILING PLAT SUBMITTAL	10/21/19	JPS
2	COUNTY COMMENTS	2/28/20	JPS
3	COUNTY COMMENTS	5/13/20	JPS

STORM DRAIN CULVERT  
PLAN & PROFILE



HORZ. SCALE: 1"=50'  
VERT. SCALE: 1"=5'  
SURVEYED: RAMPART  
CREATED: 8/19/19  
PROJECT NO: 081702

DRAWN: BJJ  
DESIGNED: JPS  
CHECKED: JPS  
LAST MODIFIED: 6/13/20  
MODIFIED BY:

SHEET: SD1



# ENGINEERING RECORD

## DRAWINGS

COLORADO  
DEPARTMENT OF TRANSPORTATION

M&S STANDARDS PLANS LIST

JULY 04, 2012  
REVISED ON MAY 03, 2019

NEW OR REVISED STANDARD PLAN SHEETS  
APPLICABLE TO THIS PROJECT, INDICATED BY A  
MARKET BOX , WILL BE ATTACHED TO THE PLANS

ALL OF THE M&S STANDARD PLANS, AS SUPPLEMENTED  
AND REVISED, APPLY TO THIS PROJECT WHEN USED BY  
DESIGNATED PAY ITEM OR SUBSIDIARY ITEM



2504 E Pikes Peak Ave., Suite 304  
Colorado Springs, CO 80909  
719-633-2868

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### INDEX OF SHEETS

- 1 TITLE SHEET
- 2 GENERAL NOTES
- 3 TRAFFIC TABULATIONS
- 4 SIGNAGE AND PAVEMENT MARKINGS PLAN (HODGEN ROAD)
- 5 SIGNAGE AND PAVEMENT MARKINGS PLAN (CHERRY CROSSING DRIVE, PART 1)
- 6 SIGNAGE AND PAVEMENT MARKINGS PLAN (CHERRY CROSSING DRIVE, PART 2)

#### EL PASO COUNTY:

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

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

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

**APPROVED**  
**Engineering Department**

JENNIFER IRVINE, P.E.  
COUNTY ENGINEER / ECM ADMINISTRATOR

10/20/2020 2:14:53 PM  
dsdnijkamp

EPC Planning & Community  
Development Department

#### LIST OF AGENCIES (STAKEHOLDER) WITH ADDRESSES & POINTS OF CONTACT

APPLICANT: TC&C, LLC  
17572 COLONIAL PARK DRIVE, MONUMENT, CO 80132; PHONE: 719-651-4013

CIVIL ENGINEER: JPS ENGINEERING, INC.  
19 E. WILLAMETTE AVE, COLORADO SPRINGS, CO 80909; PHONE: 719-477-9429

TRAFFIC ENGINEER: LSC TRANSPORTATION CONSULTANTS, INC.  
2504 E. PIKES PEAK AVE., SUITE 304, COLORADO SPRINGS, CO 80909; PHONE: 719-633-2898

LOCAL ROADS AND DRAINAGE: EL PASO COUNTY PC  
2880 INTERNATIONAL CIRCLE, COLORADO SPRINGS, CO 80910; PHONE: 719-520-6300

STATE HIGHWAY: COLORADO DEPARTMENT OF TRANSPORTATION, REGION 2 [VALERIE SWORD]  
5615 WILLIS BLVD, PUEBLO, CO; PHONE: 719-546-5407

UTILITY COMPANY (ELECTRIC): MOUNTAIN VIEW ELECTRIC  
11140 E. WOODMEN ROAD, COLORADO SPRINGS, CO 80908; PHONE: 719-495-2283

UTILITY COMPANY (TELEPHONE): CENTURY LINK COMMUNICATIONS  
LOCATORS PHONE: 800-922-1987

UTILITY COMPANY (TELEPHONE): AT&T  
LOCATORS PHONE: 719-635-3674

UTILITY COMPANY (GAS): BLACK HILLS ENERGY [SEBASTIAN SCHWENDER]  
PHONE: 719-399-3176

**Note: Please refer to approved deviations per the preliminary plan (SP181), Several elements of this design are based on the approved deviations.**

PLAN #	NEW OR REVISED	S STANDARD TITLE	PAGE #
S-612-1	<input type="checkbox"/>	DELINEATOR INSTALLATIONS (8 SHEETS) [REVISED ON APRIL 12, 2018]	151-157
S-612-1	<input checked="" type="checkbox"/>	GROUND SIGN PLACEMENT (2 SHEETS) [REVISED ON DECEMBER 12, 2014]	158-159
S-612-2	<input checked="" type="checkbox"/>	CLASS I SIGNS [REVISED ON JUNE 24, 2016]	160
S-612-3	<input type="checkbox"/>	CLASS II SIGNS	161
S-612-4	<input type="checkbox"/>	CLASS III SIGNS (3 SHEETS) [REVISED ON DECEMBER 17, 2014]	162-164
S-612-5	<input checked="" type="checkbox"/>	BREAK-AWAY SIGN SUPPORT DETAILS FOR GROUND SIGNS (2 SHEETS) [REVISED ON FEBRUARY 8, 2017]	165-166
S-612-6	<input type="checkbox"/>	CONCRETE FOOTINGS AND SIGN ISLANDS FOR CLASS III SIGNS (2 SHEETS) [REVISED ON SEPTEMBER 16, 2013]	167-168
S-612-8	<input checked="" type="checkbox"/>	TUBULAR STEEL SIGN SUPPORT DETAILS (7 SHEETS) [REVISED ON APRIL 12, 2018]	169-173
S-614-20	<input type="checkbox"/>	TYPICAL POLE MOUNT SIGN INSTALLATIONS	181
S-614-50	<input type="checkbox"/>	STATIC SIGN MONOTUBE STRUCTURES (12 SHEETS) [REVISED ON JUNE 17, 2016]	208-219
S-614-60	<input type="checkbox"/>	DYNAMIC SIGN MONOTUBE STRUCTURES (14 SHEETS) [REVISED ON JUNE 17, 2016]	220-233
S-627-1	<input checked="" type="checkbox"/>	PAVEMENT MARKINGS (8 SHEETS) [REVISED ON FEBRUARY 08, 2017]	234-238
S-630-1	<input checked="" type="checkbox"/>	TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION (24 SHEETS) [REVISED ON JUNE 23, 2016]	239-258
S-630-2	<input checked="" type="checkbox"/>	BARRICADES, DRUMS, CONCRETE BARRIERS (TEMP), AND VERTICAL PANELS [REVISED ON JUNE 23, 2016]	259
S-630-3	<input type="checkbox"/>	FLASHING BEACON (PORTABLE) DETAILS	260
S-630-4	<input type="checkbox"/>	STEEL SIGN SUPPORT (TEMPORARY INSTALLATION DETAILS (2 SHEETS)	261-262
S-630-5	<input type="checkbox"/>	PORTABLE RUMBLE STRIPS (TEMPORARY) (2 SHEETS) [REVISED ON AUGUST 13, 2015]	263-264
S-630-6	<input type="checkbox"/>	EMERGENCY PULL-OFF AREA (TEMPORARY)	265
S-630-7	<input type="checkbox"/>	ROLLING ROADBLOCKS FOR TRAFFIC CONTROL (3 SHEETS)	266-268

#### DESIGN ENGINEER'S SIGNATURE AND STAMP:

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.



08/28/2020

JEFFREY C. HODSDON, P.E. #31684

DATE

#### OWNER/DEVELOPER'S STATEMENT:

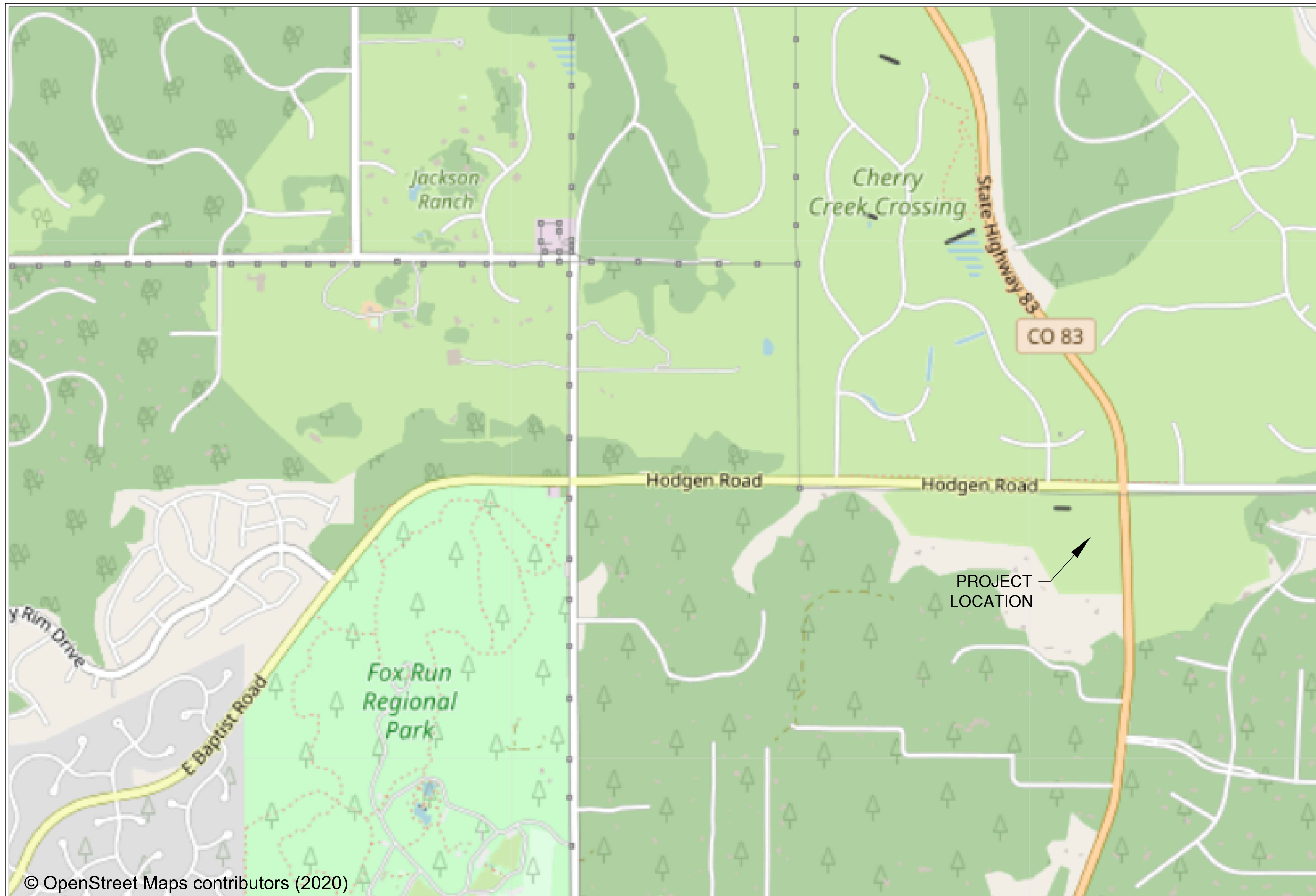
I, THE OWNER/DEVELOPER, HAVE READ AND WILL COMPLY WITH ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILS PLANS AND SPECIFICATIONS.

*Carl Turse*

CARL TURSE

10-8-2020

DATE



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Pavement Marking and Sign Plan for Construction  
 Hodgen Road/Cherry Crossing Drive  
 Rollin' Ridge Filing 1

REVISIONS	DATE
Response to comments	06/16/2020
Response to comments	07/21/2020
Response to comments	08/28/2020
DATE	08/28/2020
SCALE	N/A
DRAWN BY	JAB
JOB #	194950
DWG	Construction drawings.dwg

SHEET: 1 OF 6



# GENERAL NOTES

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**PROJECT DESCRIPTION**

1. SIGNING AND MARKING AT HODGEN ROAD AND CHERRY CROSSING DRIVE.

**GENERAL NOTES**

1. PLEASE REFER TO GENERAL NOTES FROM JPS ENGINEERING PLAN ENTITLED "GENERAL NOTES & LEGEND (SHEET 2)" AND DATED 02/28/2020. THIS SET IS INTENDED TO ACCOMPANY THAT CONSTRUCTION PLAN SET.


**UTILITIES**

1. THE CONTRACTOR SHALL FIELD-VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND SUBSURFACE ITEMS IN THE WORK AREA PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITIES AT LEAST TWO BUSINESS DAYS, NOT INCLUDING THE ACTUAL DAY OF NOTICE, PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL CONTACT UNCC AT 811 OR (800)922-1987 TO HAVE LOCATIONS OF UNCC REGISTERED LINES MARKED BY MEMBER COMPANIES. ALL OTHER UNDERGROUND UTILITIES SHALL BE LOCATED BY CONTACTING THE RESPECTIVE OWNER.

2. IF UNDERGROUND UTILITIES ARE EXPOSED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OWNER OF THE FACILITY TO ALLOW THE INSPECTION OF THE FACILITY FOR DAMAGE. ANY EXISTING UTILITY LINES THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. THIS EXPENSE SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT SHALL BE MADE.

3. UTILITY LINES AS SHOWN IN THE PLAN SHEETS ARE PLOTTED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SUBSECTION 185.11 OF THE STANDARD SPECIFICATIONS CONCERNING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH ARTICLE 1.5 OF TITLE 9, C.R.S. (EXCAVATION REQUIREMENTS) WHEN EXCAVATING OR GRADING IS PLANNED IN THE AREA OF UNDERGROUND UTILITIES.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL APPLICABLE PERMITS AND COORDINATING WITH THE LOCAL UTILITY COMPANIES.



**CALL UTILITY NOTIFICATION CENTER OF COLORADO 811**  
CALL 3 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

**SIGNING AND STRIPING NOTES**

1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

2. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.

3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY DEVELOPMENT SERVICES.

4. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.

5. STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.

6. ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.

7. ALL STREET NAME SIGNS SHALL HAVE "D" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING 4" UPPER-LOWER CASE LETTERING ON 8" BLANK AND NON-LOCAL ROADWAY SIGNS BEING 6" LETTERING, UPPER-LOWER CASE ON 12" BLANK, WITH A WHITE BORDER THAT IS NOT RECESSED. MULTI-LANE ROADWAYS WITH SPEED LIMITS OF 40 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING ON 18" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD "STANDARD HIGHWAY SIGNS"

8. ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.

9. ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" X 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614-8 REGARDING USE OF THE P2 TUBULAR STEEL POST SLIPBASE DESIGN.

**BASIS OF BEARING**  
BEGINNING AT THE SOUTHWEST CORNER OF PARCEL 3, AS DESCRIBED IN DEED RECORDED UNDER SAID RECEPTION NO. 217125842, SAID POINT ALSO BEING THE SOUTHEAST CORNER OF THAT TRACT OF LAND AS DESCRIBED IN DEED RECORDED UNDER RECEPTION NO. 200156068 OF SAID COUNTY RECORDS, AS MONUMENTED BY A 5/8" REBAR (NO CAP), FROM WHICH THE NORTHWEST CORNER OF SAID PARCEL 3, SAID POINT ALSO BEING THE SOUTHWEST CORNER OF THAT RIGHT-OF-WAY PARCEL AS DESCRIBED IN DEED RECORDED UNDER RECEPTION NO. 206076668 OF SAID COUNTY RECORDS, AS MONUMENTED BY A 5/8" REBAR WITH ORANGE CAP STAMPED "PLS 32439" BEARS N00°06'39"W (S00°06'40"E PER THAT DEED RECORDED UNDER SAID RECEPTION NO. 217125842), A DISTANCE OF 1262.77 FEET (1262.73 FEET OF RECORD)

**BENCHMARK**  
SURVEY CONTROL POINTS AS SHOWN  
ALL ELEVATION BASED UPON NGS DESIGNATION "4 BB RESET"  
ELEVATION = 7570.80 (NAVD 88 VERTICAL DATUM)

10. ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.

11. ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALKS LINES SHALL BE 12" WIDE AND 8' LONG PER CDOT S-627-1.

12. ALL LONGITUDINAL LINES SHALL BE A MINIMUM 15MIL THICKNESS EPOXY PAINT. ALL NON-LOCAL RESIDENTIAL ROADWAYS SHALL INCLUDE BOTH RIGHT AND LEFT EDGE LINE STRIPING AND ANY ADDITIONAL STRIPING AS REQUIRED BY CDOT S-627-1.

13. THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.

14. THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY PUBLIC WORKS DEPARTMENT PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

**COUNTY GENERAL NOTES**

1. ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD LOCATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).

3. CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:  
A. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)  
B. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOL. 1 & 2  
C. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION  
D. CDOT M & S STANDARDS

4. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.

5. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.

6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT (PCD) - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.

7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.

8. CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND DSD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.

9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP WITH CLASS B BEDDING UNLESS OTHERWISE NOTED AND APPROVED BY PCD.

10. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.

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

12. SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.

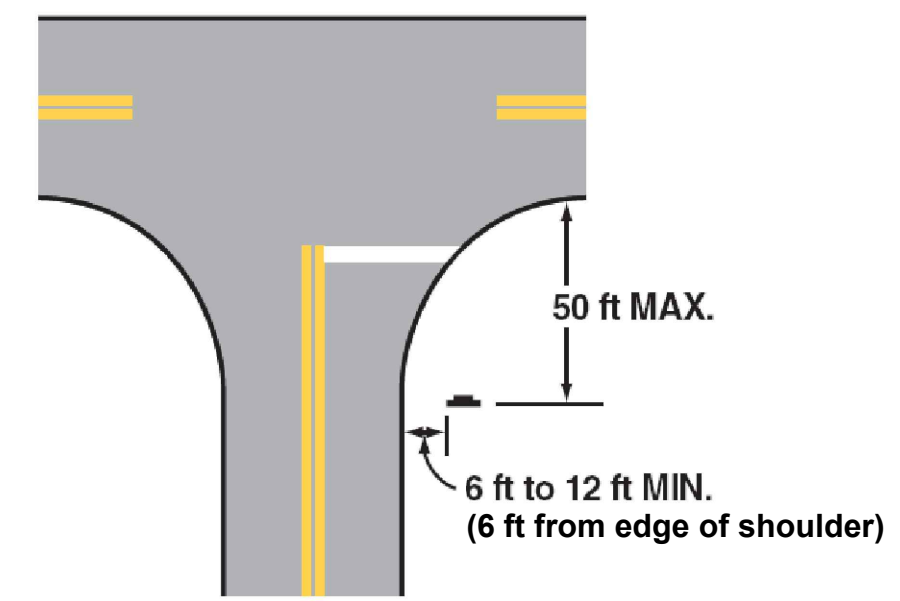
13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO DEPARTMENT OF PUBLIC WORKS (DPW) AND MUTCD CRITERIA.

14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO DEPARTMENT OF PUBLIC WORKS (DPW), INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.

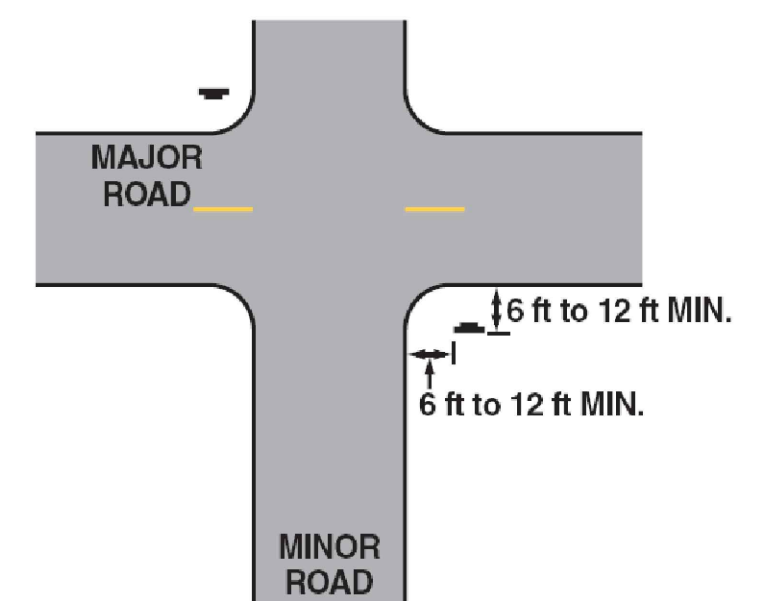
15. THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

**LATERAL LOCATIONS OF STOP SIGN INSTALLATIONS**

1. THE STOP SIGN AT HODGEN ROAD/CHERRY CROSSING DRIVE SHALL BE INSTALLED PER SPECIFICATIONS IN MUTCD FIGURE 2A-3(F), AS SHOWN BELOW:

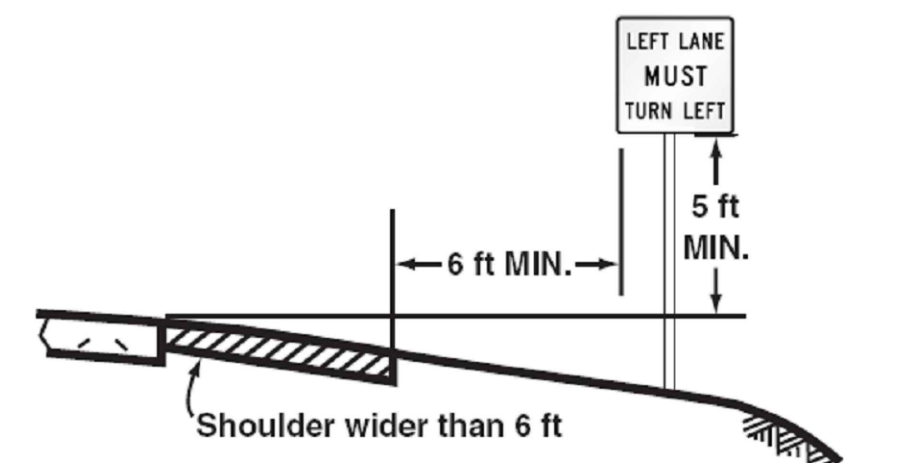


2. THE STOP SIGN AT CHERRY CROSSING DRIVE/PRAIER TREE TRAIL SHALL BE INSTALLED PER SPECIFICATIONS IN MUTCD FIGURE 2A-3(C), AS SHOWN BELOW:

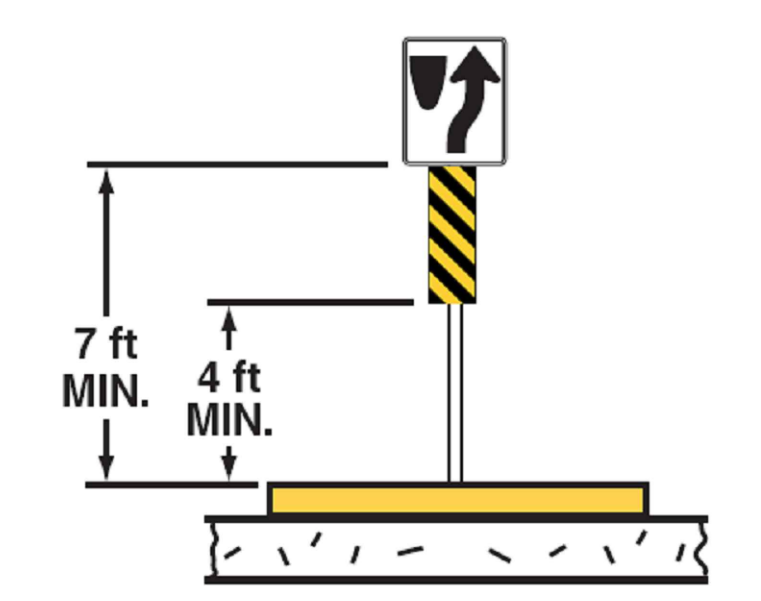


**LATERAL LOCATIONS OF ROADSIDE SIGN INSTALLATIONS**

1. THE REMOUNTING OF THE EXISTING RE-7L (LEFT LANE MUST TURN LEFT) SIGNS ON HODGEN ROAD SHALL BE RELOCATED TO THE SOUTH OF THE NEW EDGE OF PAVEMENT AND SHOULDER PER SPECIFICATIONS IN MUTCD FIGURE 2A-2(B), AS SHOWN BELOW:

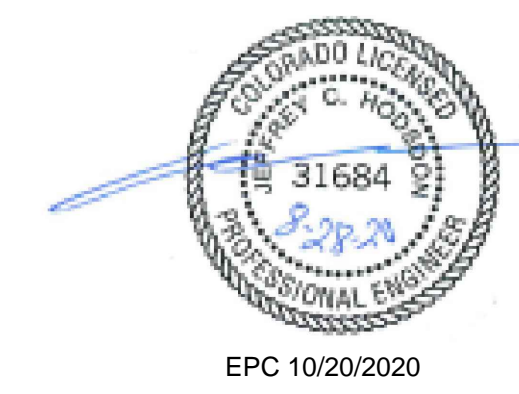


2. THE MOUNTING POST AT CHERRY CROSSING DRIVE/PRAIER TREE TRAIL SHALL BE INSTALLED PER SPECIFICATIONS IN MUTCD FIGURE 2A-2(F), AS SHOWN BELOW:



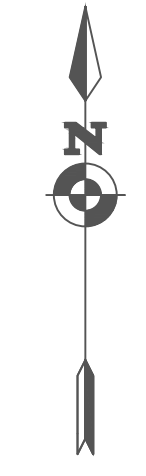
General Notes  
Pavement Marking and Sign Plan for Construction  
Rollin' Ridge Filing 1

REVISIONS	DATE
Response to comments	06/16/2020
Response to comments	07/21/2020
Response to comments	08/28/2020
DATE	08/28/2020
SCALE	N/A
DRAWN BY	JAB
JOB #	194950
DWG	Construction drawings.dwg





# ENGINEERING RECORD DRAWINGS



1" = 30'



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Tabulation of Signs										
Sign Number	Direction	Station	Location	Sign	Panel Size W x H	Background Color	Legend	202-00810	614-00011	614-01503
								Removals	Square Ft	Poles
1	NB	10+43	Shoulder	R1-1	36" x 36"	Red	STOP	0	9.0 SF	1
2	NB	10+58	Median	R4-7	30" x 24"	White	Keep right (symbol)	0	7.5 SF	1
3	NB	10+58	Median	OM3-L	36" x 12"	Black	Left side object marker	0	3.0 SF	0
4	NB	11+44	Median	R4-7	30" x 24"	White	Keep right (symbol)	0	7.5 SF	1
5	NB	11+44	Median	OM3-L	36" x 12"	Black	Left side object marker	0	3.0 SF	0
6	EB	13+60	Shoulder	R1-1	36" x 36"	Red	STOP	0	9.0 SF	1
7	WB	13+38	Roadway	R11-2	48" x 30"	White	ROAD CLOSED	0	10.0 SF	2
8	EB	10+43	Shoulder	Street Name	12" x 24"	Green	Hodgen Rd	0	2.0 SF	1
9	NB	10+43	Shoulder	Street Name	18" x 36"	Green	Cherry Crossing Dr	0	4.5 SF	1
10	EB	13+60	Shoulder	Street Name	12" x 24"	Green	Cherry Crossing Dr	0	2.0 SF	1
11	SB	13+60	Shoulder	Street Name	18" x 36"	Green	Prayer Tree Trail	0	4.5 SF	1
12	SB	16+39	Roadway	R11-2	48" x 30"	White	ROAD CLOSED	0	10.0 SF	2

202-00810 -- Removal of ground sign  
614-00011 -- Sign panel (Class I)  
614-01503 -- Steel sign support (2-inch round, post and socket)

Tabulation of Epoxy Pavement Markings					
Station		Modified Epoxy Pavement Marking			
		White Solid (4")	White Solid (8")	White Dashed (8")	Double Yellow (4")
From	To	LF	LF	LF	LF
Hodgen Road					
13+51	15+98				279.51
13+51	17+26				760.96
Cherry Crossing Drive					
10+00	13+10	344.92			
10+00	13+22	355.50			
10+39	11+44		104.38		
11+44	13+10				218.93
12+13	13+10		98.77		
12+13	12+81			67.69	
12+58	13+06		40.34		
11+39	13+10				335.12
13+68	14+38		70.00		
13+68	16+17				244.40
15+10	16+17		107.00		
16+72	17+50				141.14
-	-	1661.28			
Total (LF)		2361.7	420.49	67.69	1980.06
Total (SF)		787.23	280.33	45.13	660.02
Total (Gallons)		10	4	1	9

Tabulation of Thermoplastic Pavement Markings					
Station	Roadway	Direction	Pre-Formed Thermoplastic Pavement Marking (Word-Symbol) (627-30405)		Pre-Formed Thermoplastic Pavement Marking (Stop Line) (627-30410)
			Left Arrow	Right Arrow	Stop Line
			Each	Each	LF
12+37	Hodgen	WB	1		
13+60	Hodgen	WB	1	1	
15+94	Hodgen	WB	1		
16+15	Hodgen	WB		1	
10+54	Cherry Crossing	NB		1	
10+39	Cherry Crossing	NB			25
11+39	Cherry Crossing	NB		1	
13+37	Cherry Crossing	EB			25
Total			3	4	50
Square-Footage Multiplier			16.1	16.1	2.0
Square-Footage			48.3	64.4	52.0
627-30405 TOTAL (SF)			112.7		-
627-30410 TOTAL (SF)			-		52.0

Tabulation of Construction Traffic Control and Removal Items			
Item #	Contract Item Description	Unit	Plan Quantity
202-00250	Removal of Pavement Marking	SF	786.93
630-00000	Flagging	Hour	500
630-00007	Traffic Control Inspection	Day	50
630-00012	Traffic Control Management	Day	125
630-00016	Traffic Control (Special) LS	LS	1
630-80355	Portable Message Sign Panel	Each	2

## Traffic Tabulations Pavement Marking and Sign Plan for Construction Rollin' Ridge Filing 1

REVISIONS	DATE
Response to comments	06/16/2020
Response to comments	07/21/2020
Response to comments	08/28/2020

DATE	08/28/2020
SCALE	N/A
DRAWN BY	JAB
JOB #	194950
DWG	Construction drawings.dwg

SHEET: 3 OF 6



EPC 10/20/2020



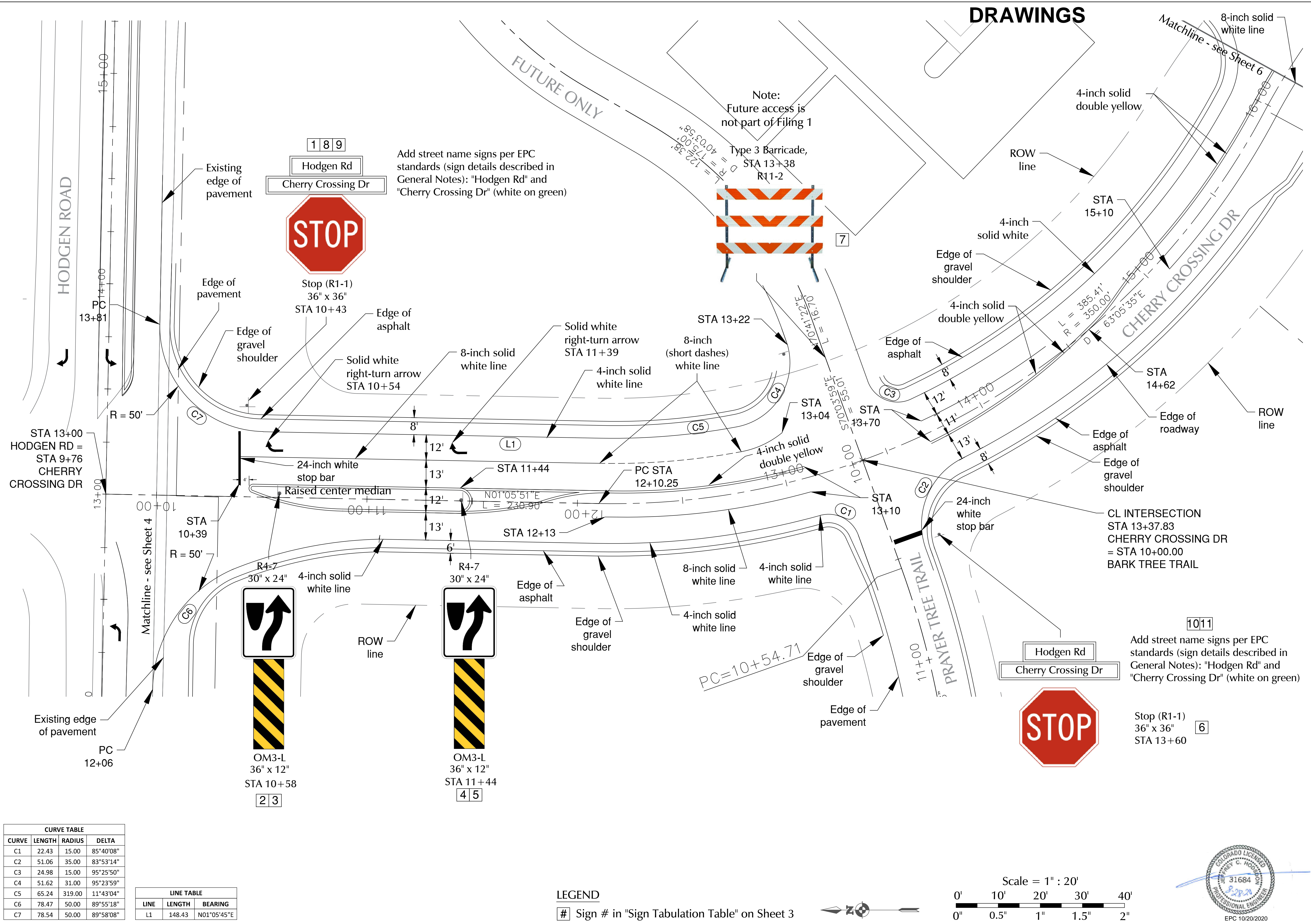




# ENGINEERING RECORD DRAWINGS



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Add street name signs per EPC standards (sign details described in General Notes): "Hodgen Rd" and "Cherry Crossing Dr" (white on green)

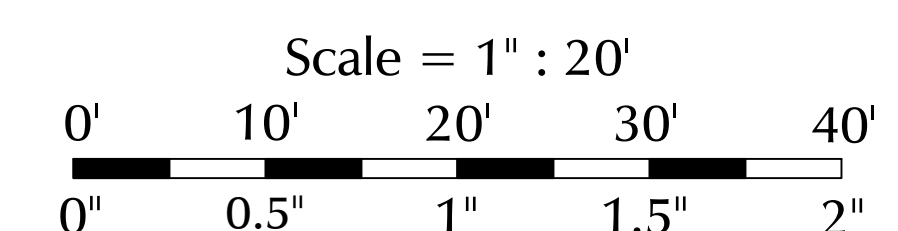
Note:  
Future access is not part of Filing 1

Add street name signs per EPC standards (sign details described in General Notes): "Hodgen Rd" and "Cherry Crossing Dr" (white on green)

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C1	22.43	15.00	85°40'08"
C2	51.06	35.00	83°53'14"
C3	24.98	15.00	95°25'50"
C4	51.62	31.00	95°23'59"
C5	65.24	319.00	11°43'04"
C6	78.47	50.00	89°55'18"
C7	78.54	50.00	89°58'08"

LINE TABLE		
LINE	LENGTH	BEARING
L1	148.43	N01°05'45"E

LEGEND  
# Sign # in "Sign Tabulation Table" on Sheet 3



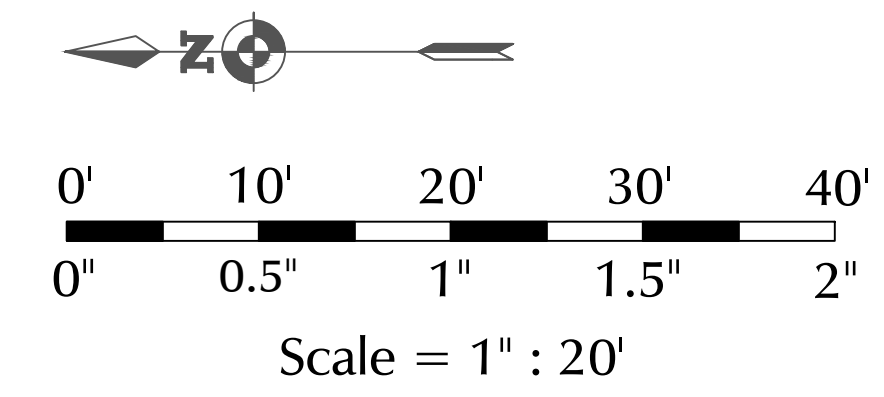
Pavement Marking and Sign Plan for Construction  
 Rollin' Ridge Filing 1  
 Cherry Crossing Drive (Part 1 of 2)

REVISIONS	DATE
Response to comments	06/16/2020
Response to comments	07/21/2020
Response to comments	08/28/2020
DATE	08/28/2020
SCALE	1" = 20'
DRAWN BY	JAB
JOB #	194950
DWG	Construction drawings.dwg

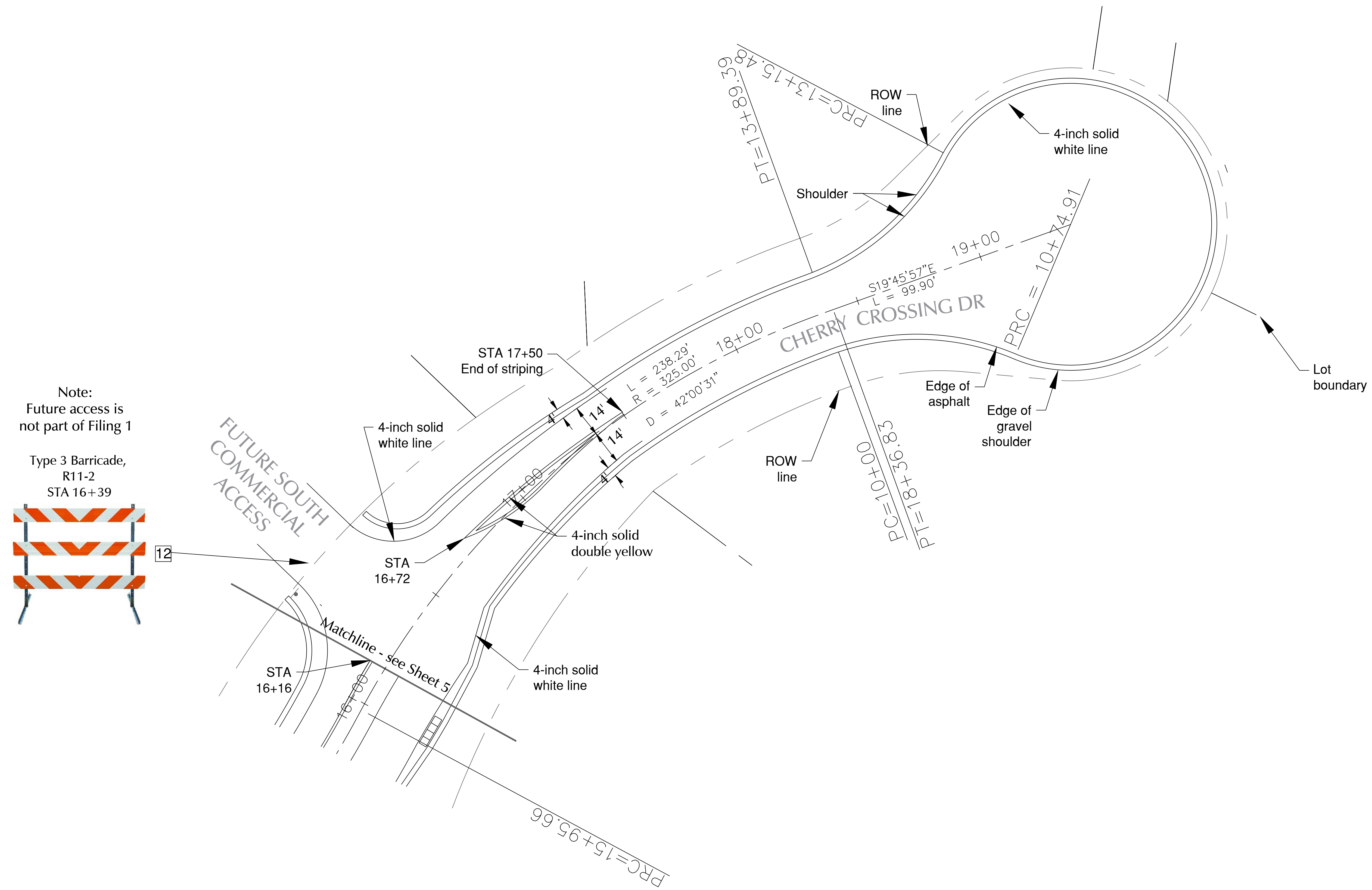
SHEET: 5 OF 6



# ENGINEERING RECORD DRAWINGS



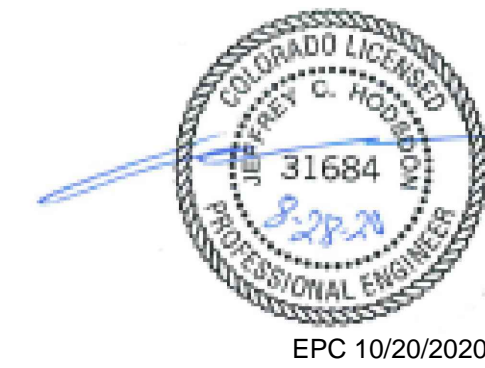
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extent of the law



Note:  
Future access is  
not part of Filing 1

Type 3 Barricade,  
R11-2  
STA 16+39

**LEGEND**  
# Sign # in "Sign Tabulation Table" on Sheet 3



**Pavement Marking and Sign Plan for Construction**  
**Rollin' Ridge Filing 1**  
**Cherry Crossing Drive (Part 2 of 2)**

REVISIONS	DATE
Response to comments	06/16/2020
Response to comments	07/21/2020
Response to comments	08/28/2020
DATE	08/28/2020
SCALE	1" = 20'
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JOB #	194950
DWG	Construction drawings.dwg

SHEET: **6 OF 6**