

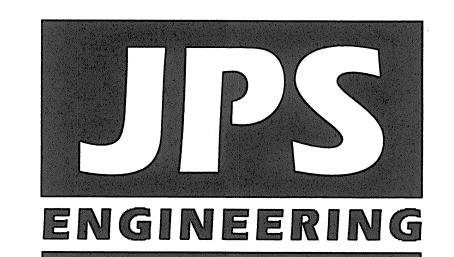
SETTLERS RANCH Filing No. 2C Construction Drawings El Paso County, Colorado

PREPARED FOR:

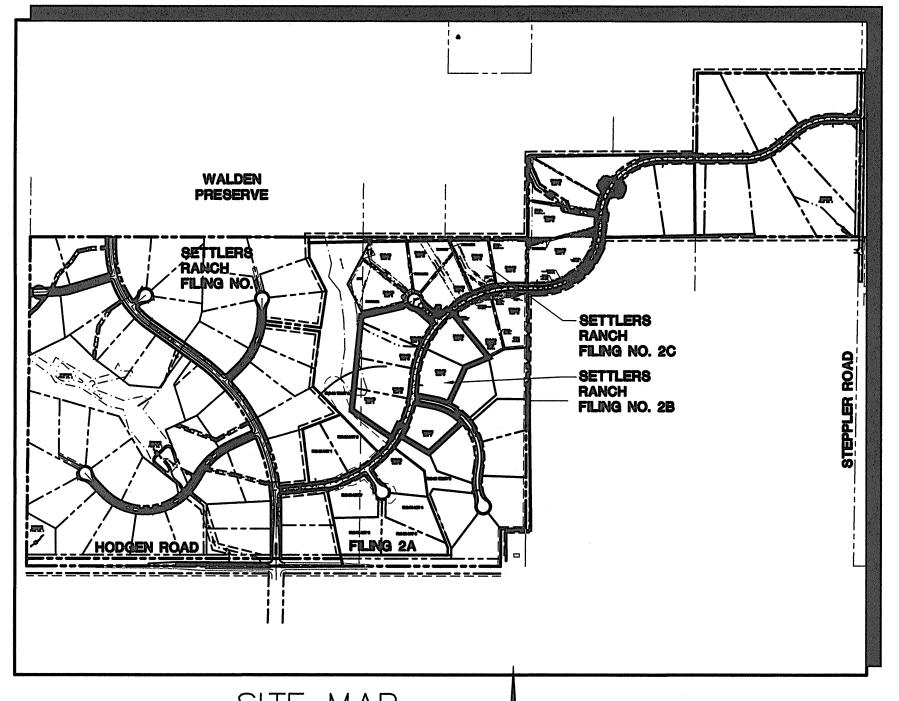
Hodgen Settlers Ranch, LLC

P.O. Box 1488 Monument, CO 80132

PREPARED BY:



19 East Willamette Avenue Colorado Springs, Colorado 80903 MAY, 2019



SITE MAP NOT TO SCALE

NOTE: 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 TO BE ACCEPTABLE.

BASIS OF BEARING:

ALL BEARINGS USED ON THIS PLAT ARE BASED ON AN ASSUMED BEARING OF N90'00'00"E BETWEEN A 3" GALVANIZED STEEL CAP (ILLEGIBLE) AT THE SOUTHWEST CORNER OF SECTION 23, TOWNSHIP 11 SOUTH, RANGE 66 WEST OF THE 6TH P.M.: AND A 3" GALVANIZED STEEL CAP (ILLEGIBLE) AT THE SOUTHEAST CORNER OF SAID SECTION 23.

BENCHMARK:

TEMPORARY BENCHMARK, PANEL POINT #109 FROM AERIAL TOPOGAPHY SURVEY PROVIDED BY MVE. ELEV.=7577.66 (SEE SHEET C1)

AGENCIES/CONTACTS

CIVIL ENGINEER:

DEVELOPER: HODGEN SETTLERS RANCH, LLC P.O. BOX 1488 MONUMENT, CO 80132

MR. MARK DAVIS (719)481-9435

JPS ENGINEERING, INC. 19 E. WILLAMETTE AVENUE COLORADO SPRINGS, CO 80903 MR. JOHN P. SCHWAB, P.E. (719)477-9429

LOCAL ROADS & EL PASO COUNTY PCD DRAINAGE 2880 INTERNATIONAL CIRCLE COLORADO SPRINGS, CO 80910

STATE HIGHWAY COLORADO DEPARTMENT OF TRANSPORTATION REGION 2 905 N. ERIE AVE. PUEBLO, CO 81002 MS. VALERIE SWORD (719)546-5707

GAS DEPARTMENT:

FIRE DEPARTMENT:

BLACK HILLS ENERGEY MS. CHERYL PETERSON (719)393-6625

ELECTRIC DEPARTMENT: MOUNTAIN VIEW ELECTRIC ASSOCIATION 11140 E. WOODMEN ROAD

MR. DAVE WALDNER (719)495-2283 TELEPHONE COMPANY: QWEST COMMUNICATIONS (LOCATORS) (800)922-1987

A.T. & T.

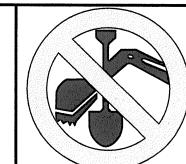
(LOCATORS) (719)635-3674

COLORADO SPRINGS, CO 80908

TRI-LAKES MONUMENT FIRE RESCUE AUTHORITY (719)266-3382

ENGINEERING RECORD DRAWINGS

CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987



FOR THE MARKING OF UNDERGROUNI

SHEET INDEX

TITLE SHEET/VICINITY MAP/LOCATION MAP

PHASING PLÁN

OVERALL SITE PLAN & GENERAL NOTES

C1.01C MASTER GRADING PLAN/SHEET INDEX & SIGNING PLAN

EROSION CONTROL NOTÉS & DETAILS GRADING & EROSION CONTROL PLAN

TYPICAL SECTIONS & DETAILS

SETTLERS RANCH RD. PLAN & PROFILE SETTLERS RANCH RD. PLAN & PROFILE SETTLERS RANCH RD. PLAN & PROFILE

SETTLERS RANCH RD. (NORTH CUL-DE-SAC) PLAN & PROFILE

ENGINEER:

DESIGN ENGINEER'S STATEMENT:

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS OR OMISSIONS ON MY PART IN PREPARE

JOHN P. SCHWAB, P.E. #29891 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.

HODGEN SETTLERS RAMCH, LLC DATE P.O. BOX 1488

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.

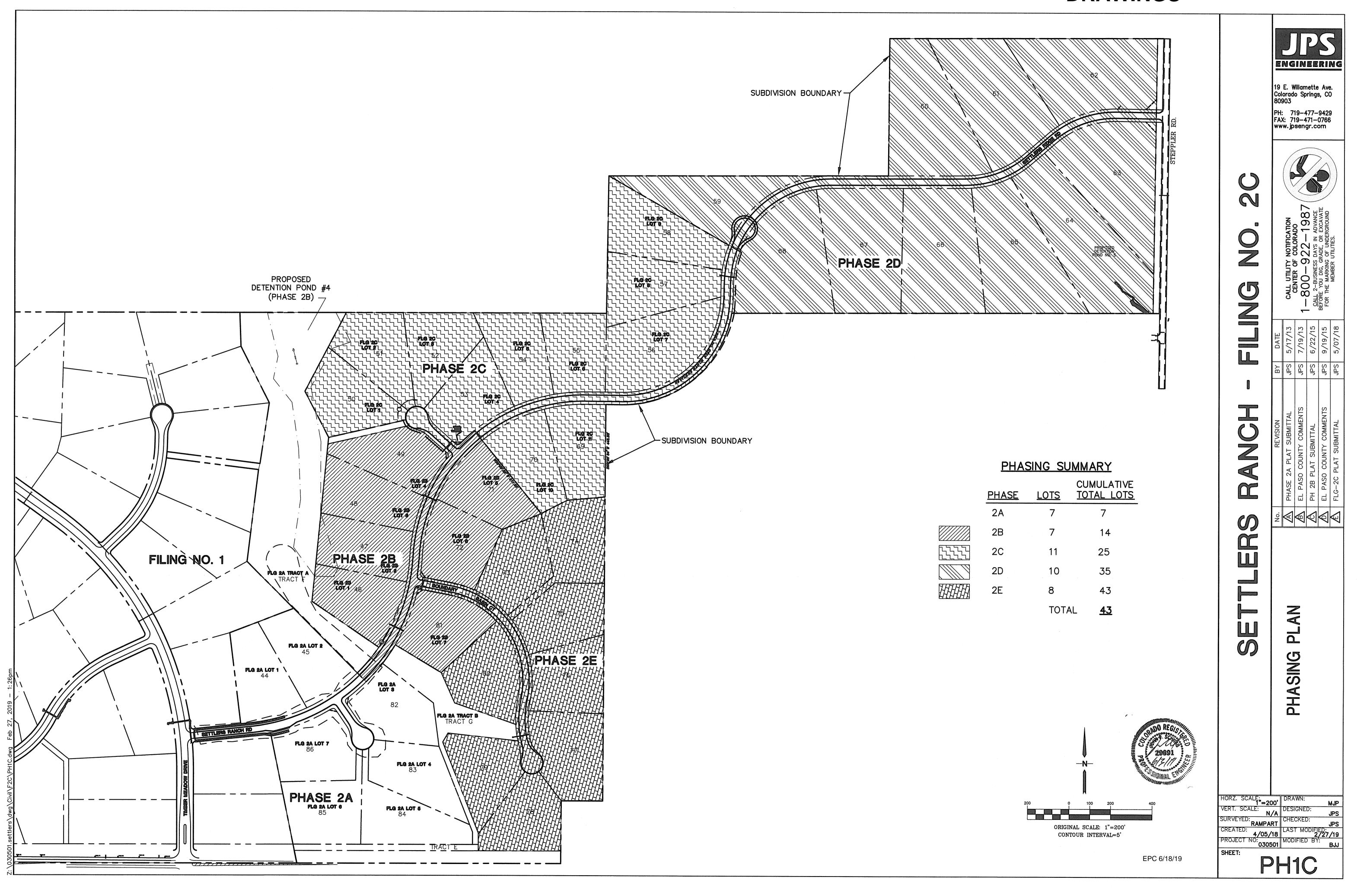
IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THEY WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW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

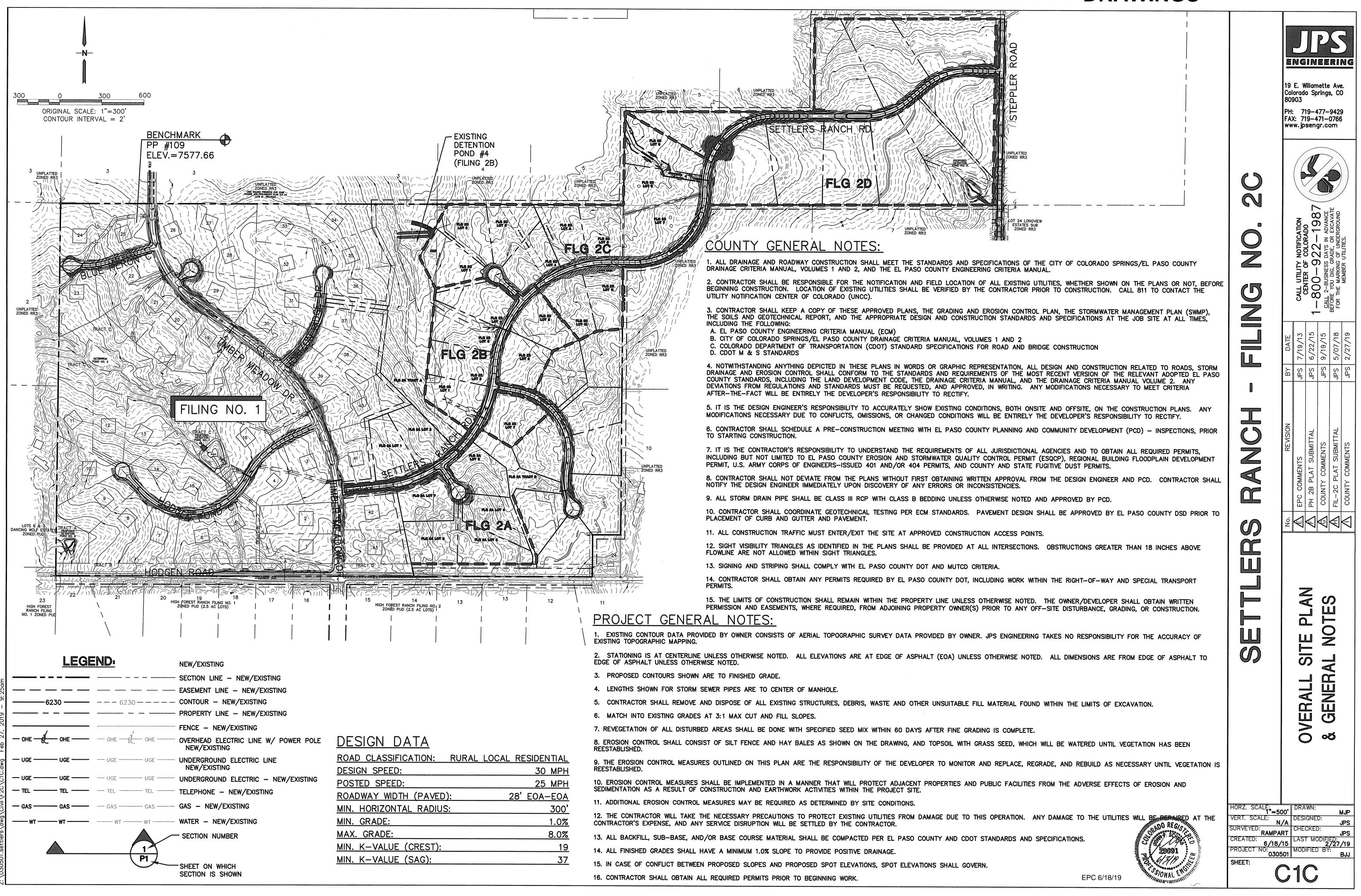
JENNIFER IRVINE, P.E., COUNTY ENGINEER / ECM ADMINISTRATOR

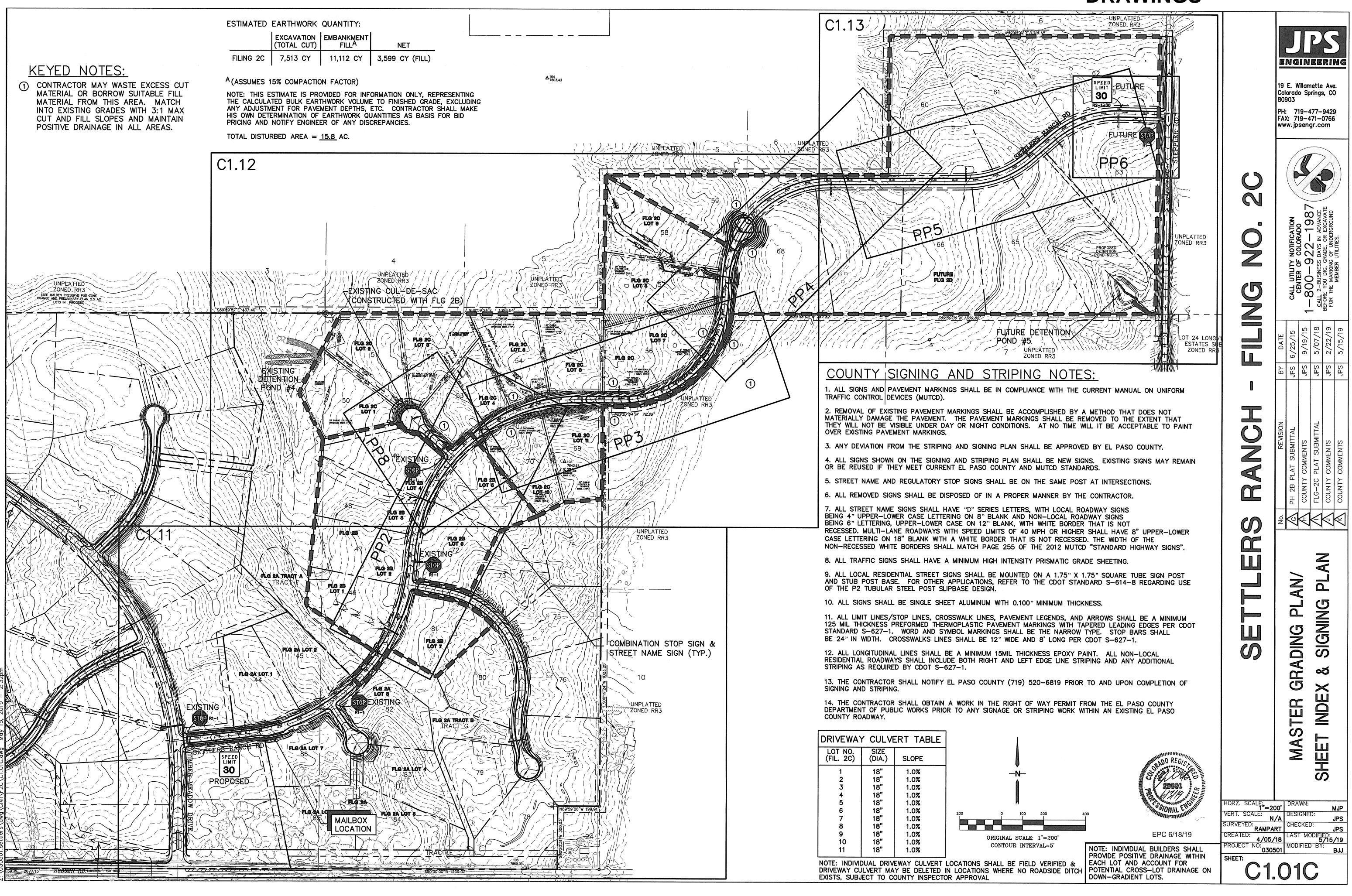
Approved By: Elizabeth NijKamp Date:06/18/2019 El Paso County Planning & Community Develop

SHEET G1C JPS PN# 030501

PCD FILE NO. SF-18-018





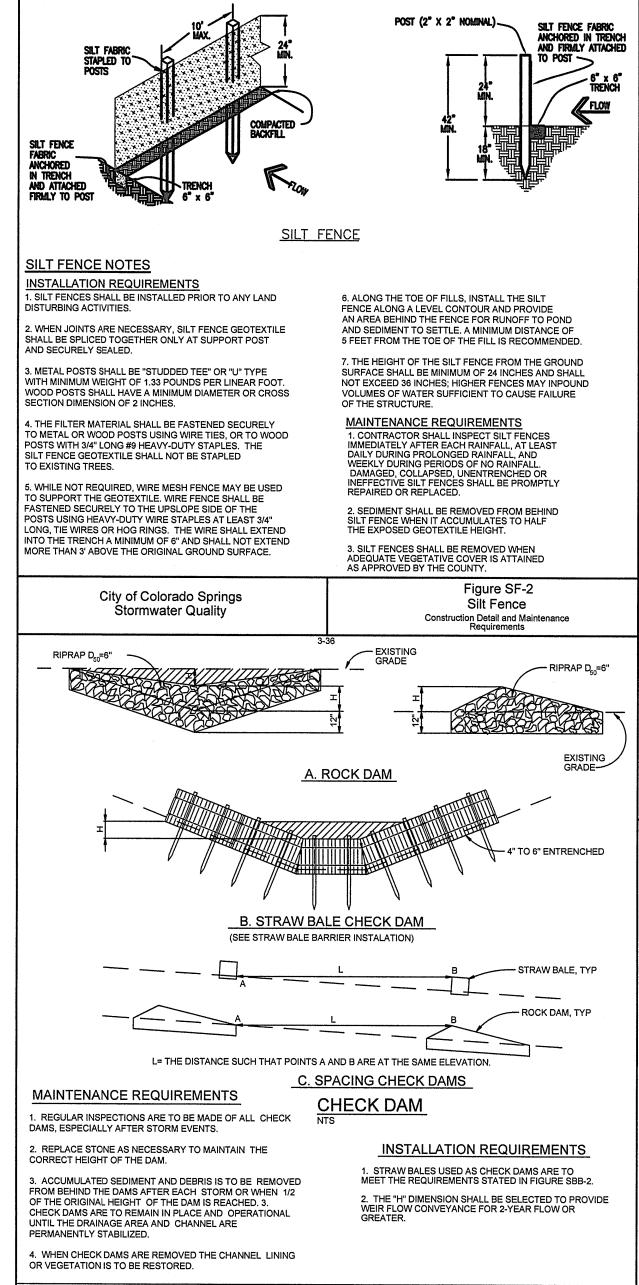


Standard Notes for El Paso County Grading and Erosion Control Plans

Revised 7/07/10

- 1. Construction may not commence until a Construction Permit is obtained from Development Services and a Preconstruction Conference is held with Planning and Community Development Inspectors.
- 2. Stormwater discharges from construction sites shall not cause or threaten to cause pollution, contamination, or degradation of State Waters. All work and earth disturbance shall be done in a manner that minimizes pollution of any on-site or off site waters, including wetlands.
- 3. Notwithstanding anything depicted in these plans in words or graphic representation, all design and construction related to roads, storm drainage and erosion control shall conform to the standards and requirements of the most recent version of the relevant adopted El Paso County standards, including the Land Development Code, the Engineering Criteria Manual, the Drainage Criteria Manual, and the Drainage Criteria Manual Volume 2. Any deviations to regulations and standards must be requested, and approved, in writing.
- 4. A separate Stormwater Management Plan (SMWP) for this project shall be completed and an Erosion and Stormwater Quality Control Permit (ESQCP) issued prior to commencing construction. During construction the SWMP is the responsibility of the designated Stormwater Manager, shall be located on site at all times and shall be kept up to date with work progress and changes in the field.
- 5. Once the ESQCP has been issued, the contractor may install the initial stage erosion and sediment control BMPs as indicated on the GEC. A preconstruction meeting between the contractor, engineer, and El Paso County will be held prior to any construction. It is the responsibility of the applicant to coordinate the meeting time and place with County PCD inspections staff.
- 6. Soil erosion control measures for all slopes, channels, ditches, or any disturbed land area shall be completed within 21 calendar days after final grading, or final earth disturbance, has been completed. Disturbed areas and stockpiles which are not at final grade but will remain dormant for longer than 30 days shall also be mulched within 21 days after interim grading. An area that is going to remain in an interim state for more than 60 days shall also be seeded. All temporary soil erosion control measures and BMPs shall be maintained until permanent soil erosion control measures are implemented and established.
- 7. Temporary soil erosion control facilities shall be removed and earth disturbance areas graded and stabilized with permanent soil erosion control measures pursuant to standards and specification prescribed in the DCM Volume II and the Engineering Criteria Manual (ECM) appendix I.
- 8. All persons engaged in earth disturbance shall implement and maintain acceptable soil erosion and sediment control measures including BMPs in conformance with the erosion control technical standards of the Drainage Criteria Manual (DCM) Volume II and in accordance with the Stormwater Management Plan (SWMP).
- 9. All temporary erosion control facilities including BMPs and all permanent facilities intended to control erosion of any earth disturbance operations shall be installed as defined in the approved plans, the SWMP and the DCM Volume II and maintained throughout the duration of the earth disturbance operation.
- 10. Any earth disturbance shall be conducted in such a manner so as to effectively reduce accelerated soil erosion and resulting sedimentation. All disturbances shall be designed, constructed, and completed so that the exposed area of any disturbed land shall be limited to the shortest practical period of time.
- 11. Any temporary or permanent facility designed and constructed for the conveyance of stormwater around, through, or from the earth disturbance area shall be designed to limit the discharge to a non-erosive velocity.
- 12. Concrete wash water shall be contained and disposed of in accordance with the SWMP. No wash water shall be discharged to or allowed to runoff to State Waters, including any surface or subsurface storm drainage system or facilities.
- 13. Erosion control blanketing is to be used on slopes steeper than 3:1.
- 14. Building, construction, excavation, or other waste materials shall not be temporarily placed or stored in the street, alley, or other public way, unless in accordance with an approved Traffic Control Plan. BMP's may be required by El Paso County Engineering if deemed necessary, based on specific conditions and circumstances
- 15. Vehicle tracking of soils and construction debris off-site shall be minimized. Materials tracked offsite shall be cleaned up and properly disposed of
- 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
- 17. The owner, site developer, contractor, and/or their authorized agents shall be responsible for the removal of all construction debris, dirt. trash, rock. sediment, and sand that may accumulate in the storm sewer or other drainage conveyance system and stormwater appurtenances as a result of site
- 18. The quantity of materials stored on the project site shall be limited, as much as practical, to that quantity required to perform the work in an orderly sequence. All materials stored on-site shall be stored in a neat, orderly manner, in their original containers, with original manufacturer's labels.
- 19. No chemicals are to be used by the contractor, which have the potential to be released in stormwater unless permission for the use of a specific chemical is granted in writing by the ECM Administrator. In granting the use of such chemicals, special conditions and monitoring may be required.
- 20. Bulk storage structures for petroleum products and other chemicals shall have adequate protection so as to contain all spills and prevent any spilled material from entering State Waters, including any surface or subsurface storm drainage system or facilities.
- 21. No person shall cause the impediment of stormwater flow in the flow line of the curb and gutter or in the ditchline.
- 22. Individuals shall comply with the "Colorado Water Quality Control Act" (Title 25, Article 8, CRS), and the "Clean Water Act" (33 USC 1344), in addition to the requirements included in the DCM Volume II and the ECM Appendix I. All appropriate permits must be obtained by the contractor prior to construction (NPDES, Floodplain, 404, fugitive dust, etc.). In the event of conflicts between these requirements and laws, rules, or regulations of other Federal, State, or County agencies, the more restrictive laws, rules, or regulations shall apply.
- 23. All construction traffic must enter/exit the site at approved construction access points.
- 24. Prior to actual construction the permitee shall verify the location of existing utilities
- 25. A water source shall be available on site during earthwork operations and utilized as required to minimize dust from earthwork equipment and wind.
- 26. The soils report for this site prepared by Himmelreich & Assoc., dated 1/24/05 shall be considered a part of these plans.
- 27. At least ten days prior to the anticipated start of construction, for projects that will disturb 1 acre or more, the owner or operator of construction activity shall submit a permit application for stormwater discharge to the Colorado Department of Public Health and Environment, Water Quality Division. The application contains certification of completion of a stormwater management plan (SWMP), of which this grading and erosion control plan may be a part. For information or application materials contact:

Colorado Department of Public Health and Environment Water Quality Control Division WQCD - Permits 4300 Cherry Creek Drive South Denver, CO 80246-1530 Attn: Permits Unit



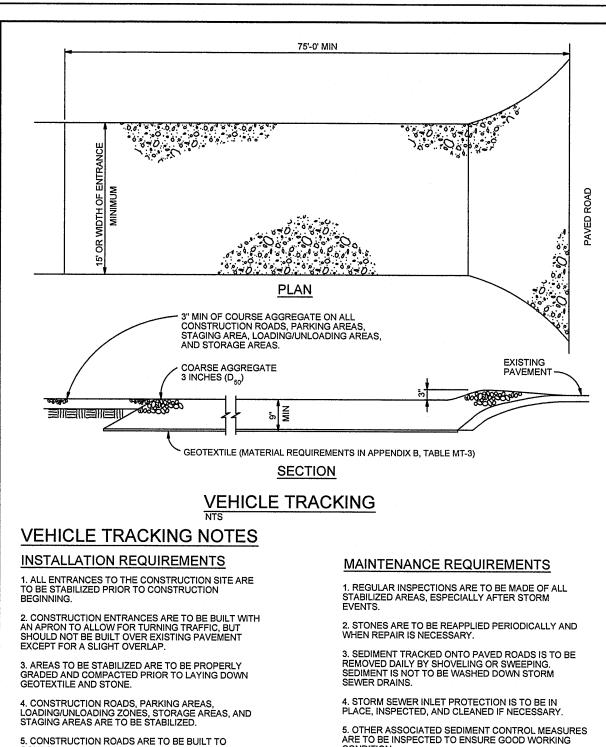
City of Colorado Springs

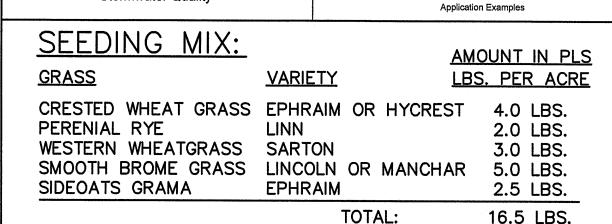
Stormwater Quality

Figure CD-1

Check Dam

Construction Detail and Maintenance Requirements





SEEDING & FERTILIZER APPLICATION:

DRILL SEED OR HYDRO-SEED PER CDOT SPEC. SECTION 212.

MULCHING APPLICATION:

CONSTRUCTION ROADS ARE TO BE BUILT TO

CONFORM TO SITE GRADES, BUT SHOULD NOT HAVE SIDE SLOPES OR ROAD GRADES THAT ARE EXCESSIVELY STEEP.

City of Colorado Springs

Stormwater Quality

CONFORM TO CDOT SPEC-SECTION 213.

Figure VT-2

Vehicle Tracking

SEDIMENT CONTROL MAINTENANCE PROGRAM:

PERIODIC SITE INSPECTIONS **BI-WEEKLY** RE-VEGETATION OF EXPOSED SOILS WITHIN 21 DAYS OF GRADING SEDIMENT REMOVAL FROM BMP'S REMOVAL OF BMP'S AFTER STABILIZATION ACHIEVED

AND AFTER ANY PRECIPITATION OR SNOW MELT EVENT THAT CAUSES SURFACE EROSION.

²ACCUMULATED 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 APRIL, 2019 ROADWAY GRADING APRIL, 2019 SEEDING & MULCHING AUGUST, 2019 STABILIZATION AUGUST, 2020



NOTWITHSTANDING ANY DETAILS, NOTES OR PLANS SHOWN ON THESE DRAWINGS, ALL EROSION CONTROL DESIGNS AND INSTALLATIONS SHALL CONFORM TO EL PASO COUNTY STANDARDS AND POLICIES UNLESS OTHERWISE APPROVED IN WRITING.

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ENGINEERING

19 E. Willamette Ave. Colorado Springs, CO

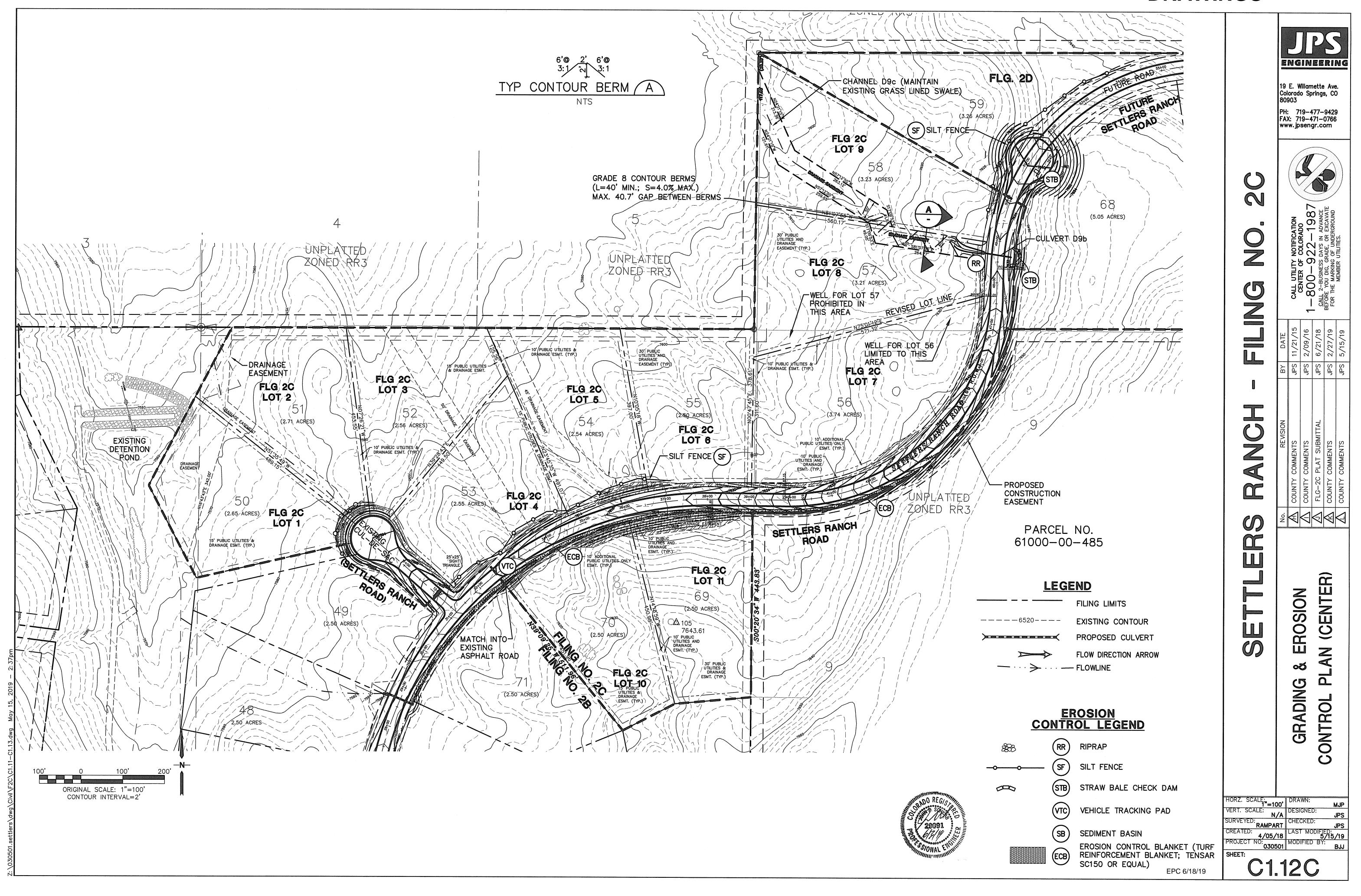
PH: 719-477-9429

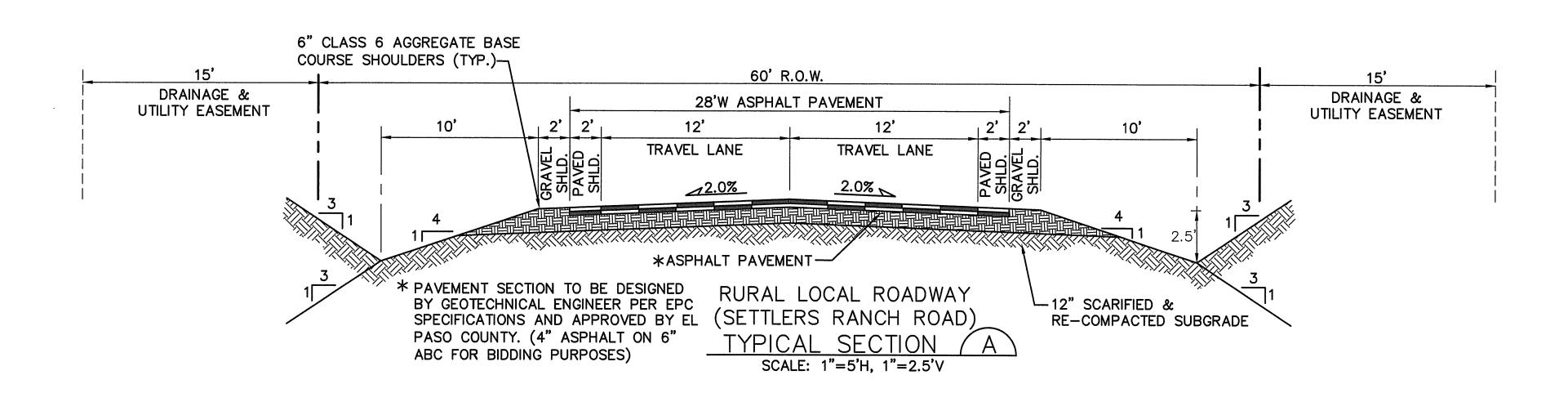
FAX: 719-471-0766

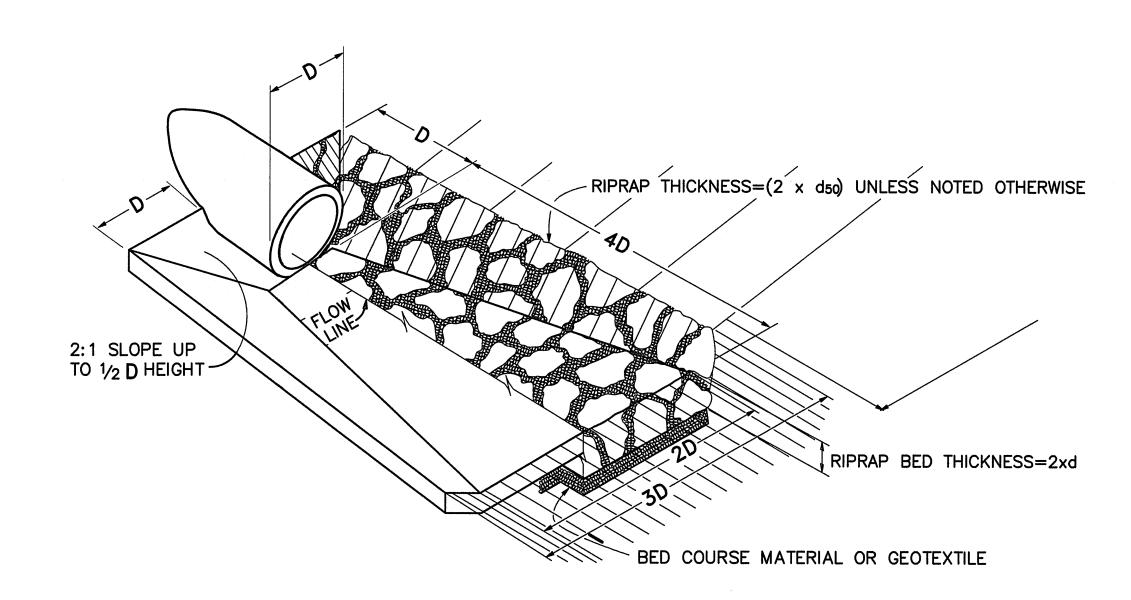
www.jpsengr.com

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RAMPART CREATED: 4/05/18 LAST MODIFIED: 2/27/19
PROJECT NO: MODIFIED BY: BJJ



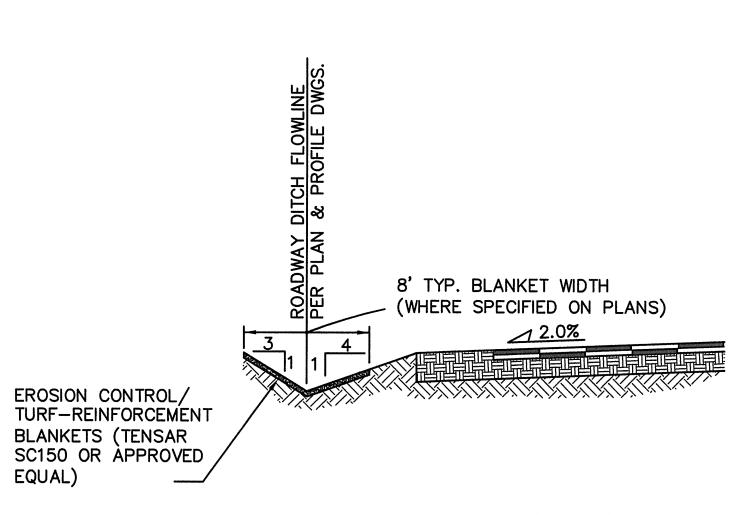




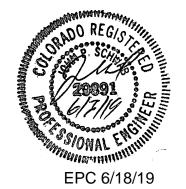
CULVERT	CULVERT SIZE	RR SIZE (d50)	RIPRAP APRON DIMENSIONS
D5c	36"	TYPE H (18")	15'Lx9'Wx3'T
D9b	18"	TYPE M (12")	8'Lx5'Wx2'T

TYPICAL RIPRAP APRON/
CULVERT OUTLET PAVING 1

NOT TO SCALE



TYPICAL DITCH SECTION WITH EROSION CONTROL BLANKETS C



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

6/22/15
6/22/15
6/22/15
9/30/15
1-800-922-1987
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND

 No.
 REVISION
 BY
 DATE

 ♠
 PH 2B PLAT SUBMITTAL
 JPS
 6/22/15

 ♠
 EL PASO COUNTY COMMENTS
 JPS
 4/05/18

 ♠
 FLG-2C PLAT SUBMITTAL
 JPS
 4/05/18

 ♠
 EL PASO COUNTY COMMENTS
 JPS
 2/22/19

 ♠
 FI PASO COUNTY COMMENTS
 JPS
 2/22/19

TYPICAL SECTIONS AND DETAILS

HORZ. SCALE:

1"=5'
VERT. SCALE:
AS SHOWN

SURVEYED:
CREATED:
4/05/18
PROJECT NO:
030501

CREATED:
1"=5'
DRAWN:
MJP
DESIGNED:
JPS
CHECKED:
2/27/19
MODIFIED BY:
BJJ
SHEET:

