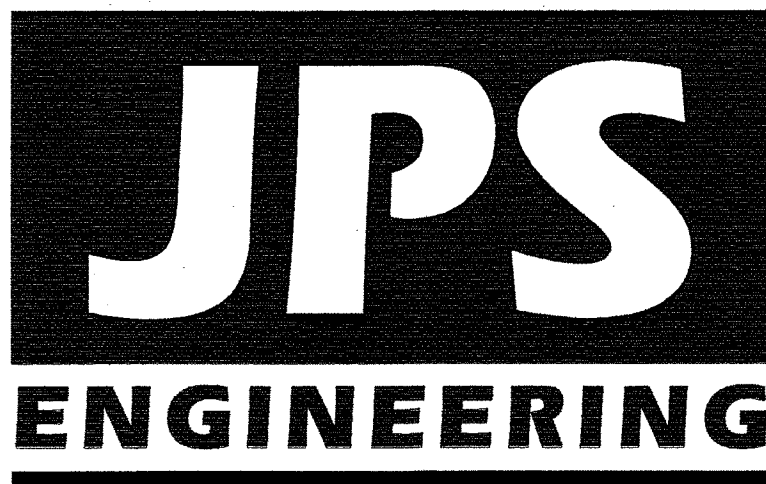


THE RESERVE AT CORRAL BLUFFS SUBDIVISION FILING NO. 2 Construction Drawings El Paso County, Colorado

PREPARED FOR:

Corral Ranch Development Company
6 South Tejon Street, Suite 515
Colorado Springs, CO 80903

PREPARED BY:



19 East Willamette Avenue
Colorado Springs, Colorado 80903
JUNE 2018

SHEET INDEX

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SD1	CULVERT PROFILES

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 ANY LIABILITY INCURRED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN CONNECTION WITH THESE DETAILED PLANS AND SPECIFICATIONS.

JOHN P. SCHWAB, P.E. #29891
DATE 7/10/18

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.

JAKE KUNSTLE, MANAGER
CORRAL RANCH DEVELOPMENT COMPANY
6 SOUTH TEJON STREET, SUITE 515
COLORADO SPRINGS, COLORADO 80903

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.

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.

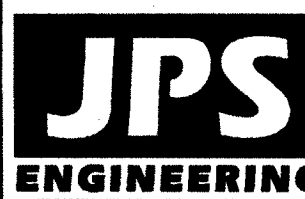
FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

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

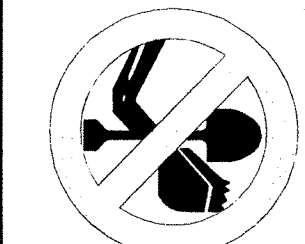
PCD File No. SF-18-010

THE RESERVE AT CORRAL BLUFFS SUBDIVISION FIL NO. 2

TITLE SHEET



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

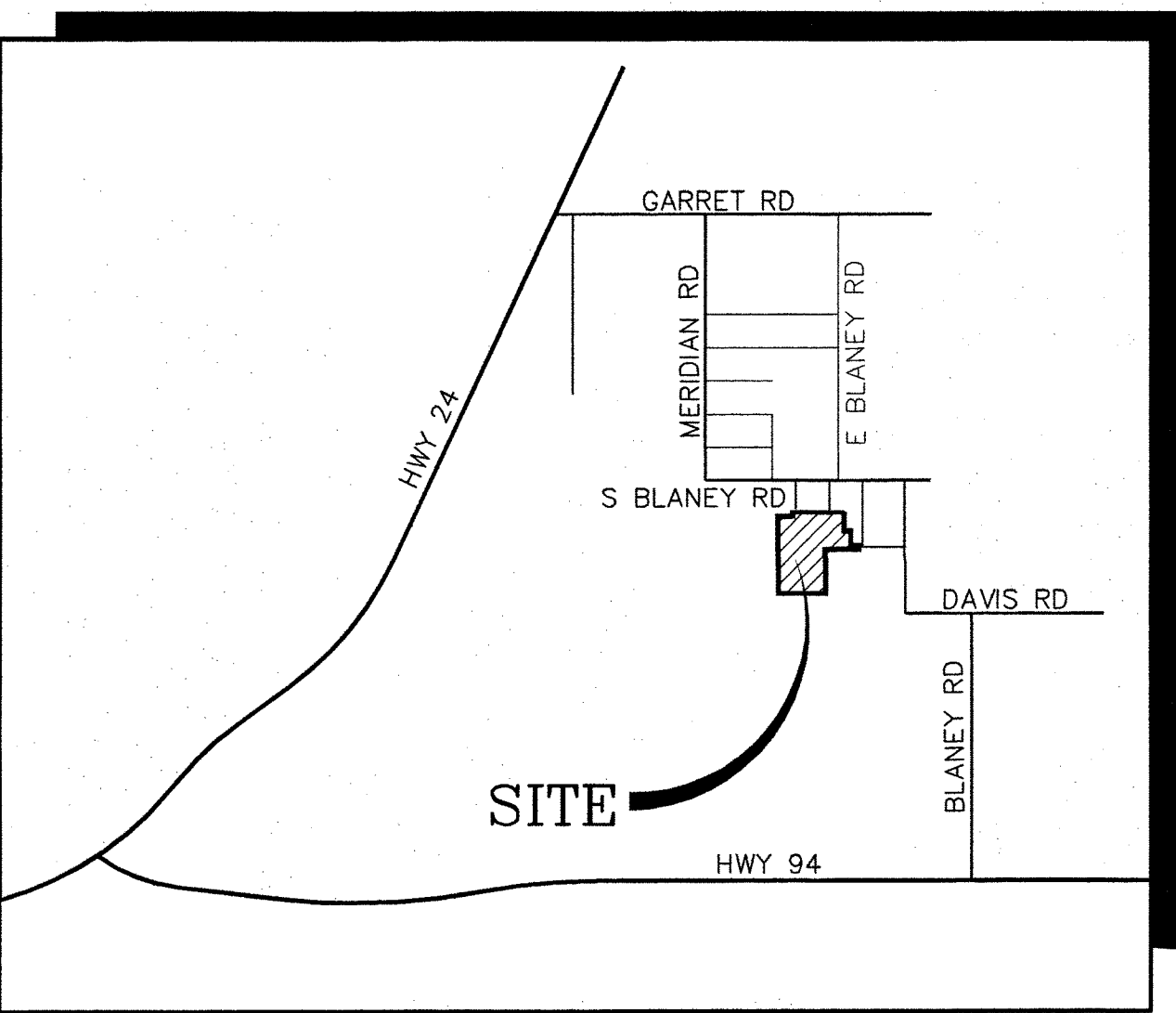


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CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE ANY EXCAVATION
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MEMBER UTILITIES

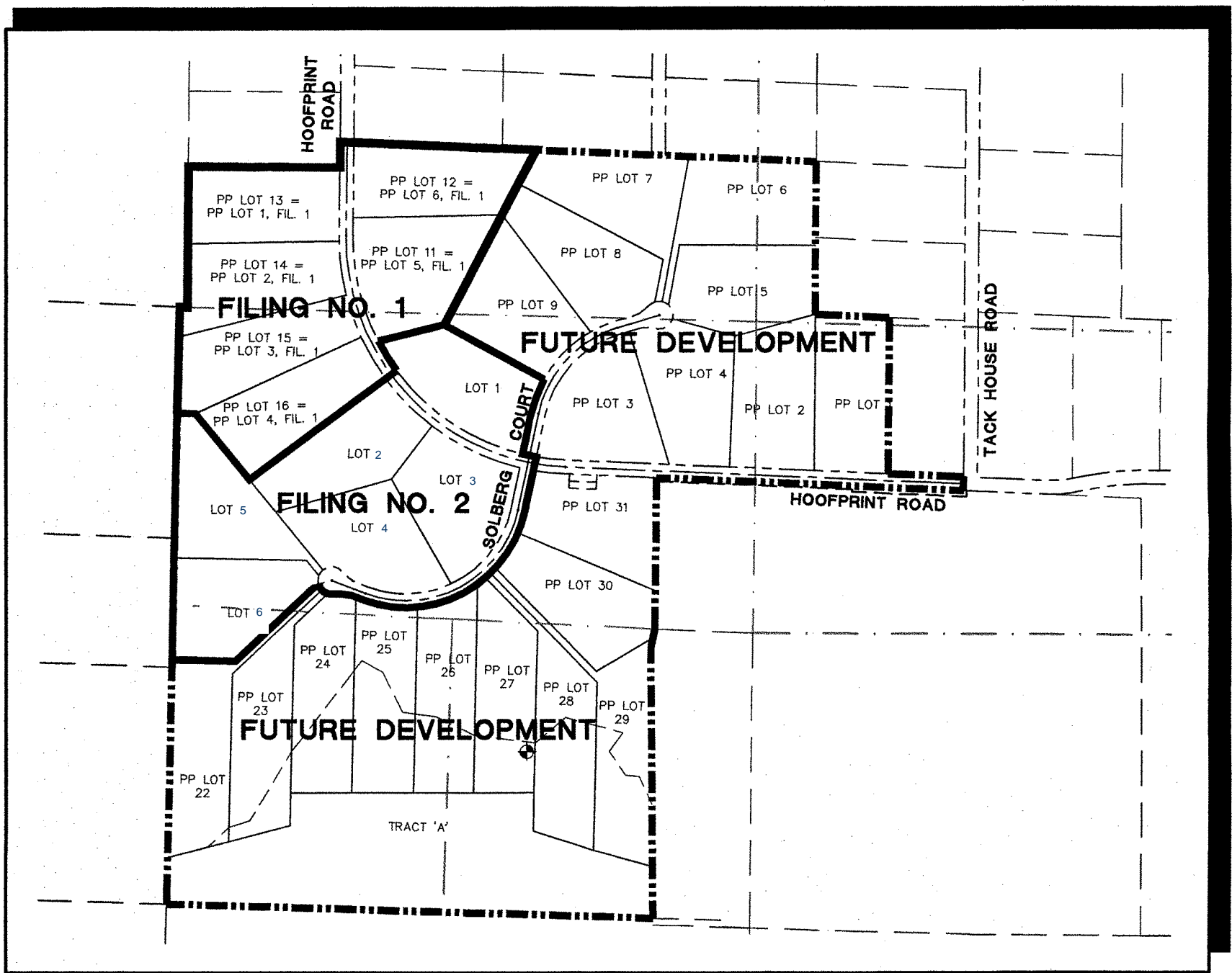
NO.	REVISION	DATE
1	COUNTY SUBMITTAL	3/8/13
2	COUNTY COMMENTS	7/31/13
3	COUNTY COMMENTS	10/21/13
4	FILING NO. 2	5/30/18
5	COUNTY COMMENTS	6/25/18

HORZ. SCALE:	NA	DRAWN:	MSP
VERT. SCALE:	NA	DESIGNED:	JPS
SURVEYED:	LWA	CHECKED:	JPS
CREATED:	3/17/12	LAST MODIFIED:	6/28/18
PROJECT NO:	081104	MODIFIED BY:	MSP
SHEET:			

G1



VICINITY MAP
NOT TO SCALE



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:
THE BASIS OF BEARINGS FOR THIS SURVEY IS THE SOUTH LINE OF LOT 1, BLOCK 3, CORRAL RANCHES SUBDIVISION FILING NO. 3, S89°30'43"E, 660.00 FEET. THE DIRECTION IS BASED ON THE RECORDED PLAT AND THE LINE IS MONUMENTED AS SHOWN.

BENCHMARK:
NATIONAL GEODETIC SURVEY
CONTROL MONUMENT "CORRAL
BLUFFS" FIRST ORDER CONTROL
POINT TO BE PRESERVED

AGENCIES/CONTACTS

DEVELOPER:	CORRAL RANCH DEVELOPMENT COMPANY 6 SOUTH TEJON STREET, SUITE 515 COLORADO SPRINGS, CO 80903 MR. JAKE KUNSTLE (719) 964-5941	GAS DEPARTMENT:	BLACK HILLS ENERGY MR. GEORGE PETERSON (719) 393-6625
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 PCD 2880 INTERNATIONAL CIRCLE COLORADO SPRINGS, CO 80910 MR. GILBERT LAFORCE, P.E. (719) 520-7945	TELEPHONE COMPANY:	QWEST COMMUNICATIONS (LOCATORS) (800) 922-1987 A.T. & T. (LOCATORS) (719) 635-3674
		FIRE DEPARTMENT:	FALCON FIRE DISTRICT FIRE MARSHAL (719) 495-4050

C:\civ3d 2018 projects\081104\corral-bluffs -- Fil 2\dwg\Construction\G2.dwg Jun 24, 2018 -- 11:01pm

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 NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
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. NOT WITH STANDING 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 (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 PCD. 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 COUNTY DOT AND MUTCD CRITERIA.
14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, 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:

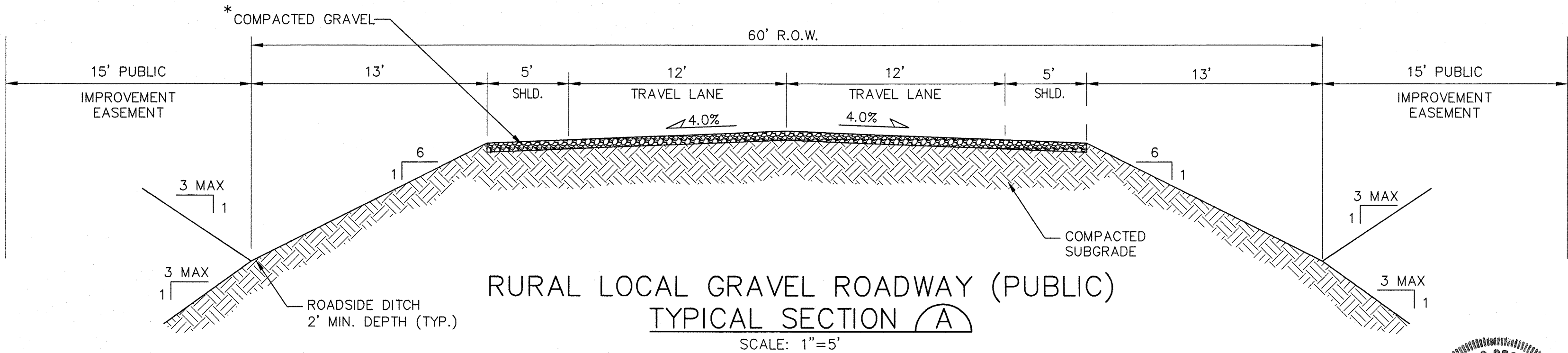
1. EXISTING CONTOUR DATA PROVIDED BY OWNER CONSISTS OF AERIAL TOPOGRAPHIC SURVEY DATA PROVIDED BY LWA LAND SURVEYING. JPS ENGINEERING TAKES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING TOPOGRAPHIC MAPPING.
2. STATIONING IS AT CENTERLINE UNLESS OTHERWISE NOTED. ALL ELEVATIONS ARE AT EDGE OF ASPHALT (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 HAY BALES 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 REESTABLISHED.
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. WHERE PROPOSED SLOPES CONFLICT WITH PROPOSED SPOT ELEVATIONS, SPOT ELEVATIONS SHALL GOVERN.
16. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO BEGINNING WORK.
17. ELECTRONIC FILE OF SITE DRAWING IS AVAILABLE FROM ENGINEER FOR CONSTRUCTION STAKING PURPOSES.

DESIGN DATA

ROAD CLASSIFICATION: RURAL LOCAL RESIDENTIAL	
DESIGN SPEED:	30 MPH
POSTED SPEED:	30 MPH
ROADWAY WIDTH (GRAVEL):	34’ FOG-FOG
MIN. HORIZONTAL RADIUS:	300’
MIN. GRADE:	1.0%
MAX. GRADE:	8.0%
MIN. K-VALUE (CREST):	19
MIN. K-VALUE (SAG):	37

GENERAL DRAINAGE 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.



- * CLASS 6 BASE COURSE OR ALTERNATIVE GRAVEL MIX APPROVED BY EL PASO COUNTY
- ** DEPTH OF GRAVEL TO BE DETERMINED PER COUNTY GENERAL NOTE #10, WITH 6" MINIMUM DEPTH

LEGEND:

	SECTION LINE – NEW/EXISTING
	EASEMENT LINE – NEW/EXISTING
	CONTOUR – NEW/EXISTING
	PROPERTY LINE – NEW/EXISTING
	OVERHEAD ELECTRIC LINE W/ POWER POLE NEW/EXISTING
	UNDERGROUND ELECTRIC LINE NEW/EXISTING
	SECTION NUMBER
	SHEET ON WHICH SECTION IS SHOWN



COUNTY SIGNING AND STRIPING NOTES:

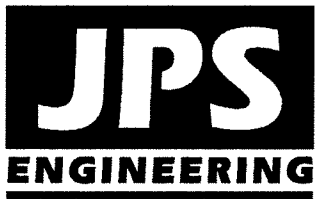
1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT 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 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.
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 SERVICES (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 TRANSPORTATION PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.

THE RESERVE AT CORRAL BLUFFS SUBDIVISION FIL. NO. 2

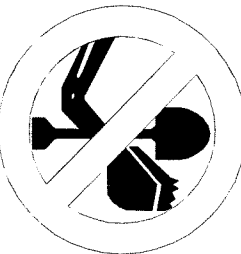
HORZ. SCALE:	N/A
VERT. SCALE:	N/A
SURVEYED:	LWA
CREATED:	01/30/12
PROJECT NO:	081104
SHEET:	

DRAWN:	MSP
DESIGNED:	JPS
CHECKED:	JPS
LAST MODIFIED:	6/24/18
MODIFIED BY:	MSP

G2



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Colorado Springs, CO
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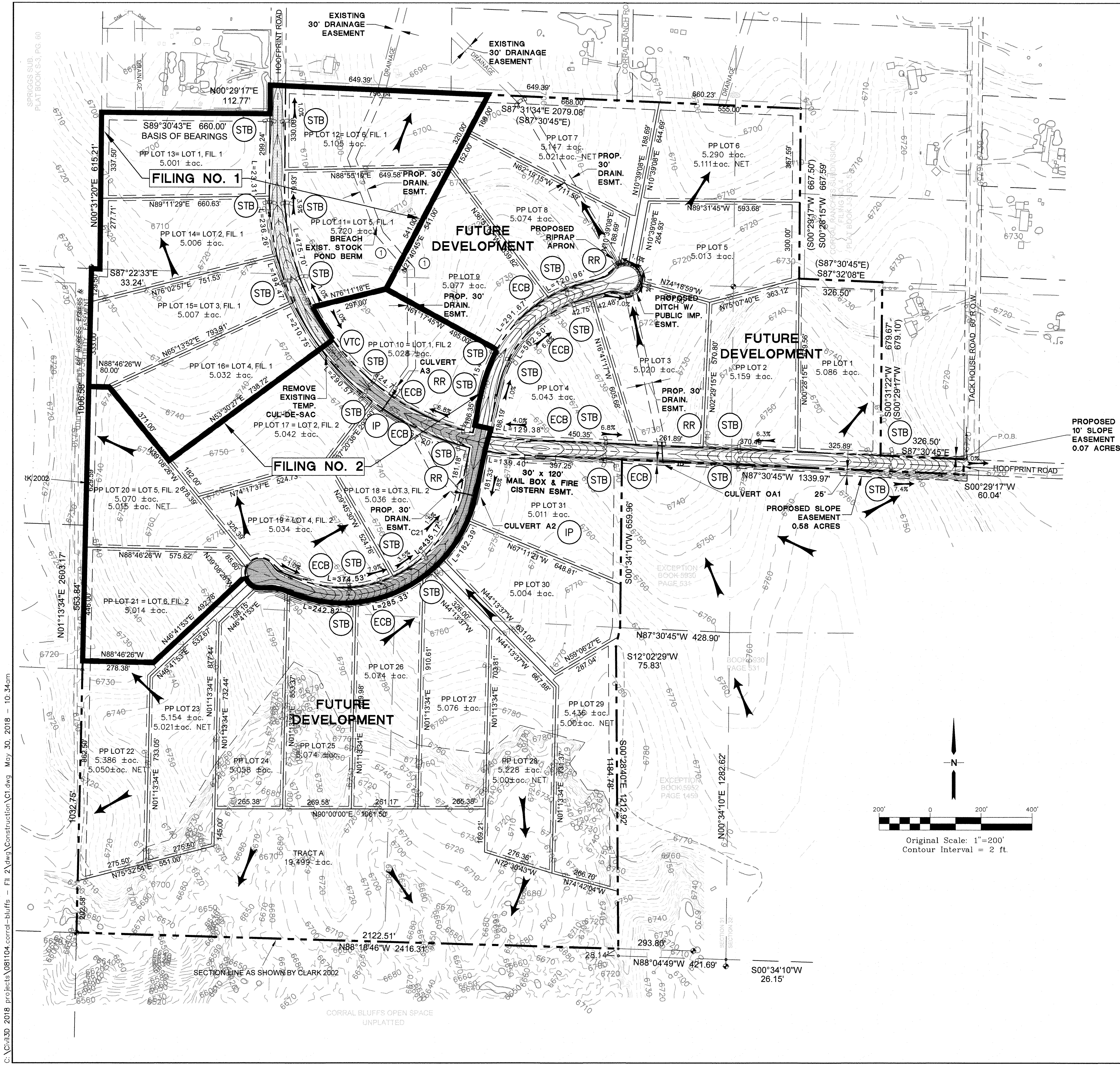


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No.	REVISION	BY	DATE
A	COUNTY SUBMITTAL	JPS	3/8/13
B	COUNTY SUBMITTAL	JPS	7/31/13
C	COUNTY SUBMITTAL	JPS	10/21/13
D	FILING NO. 2	JPS	5/30/18
A	COUNTY COMMENTS	JPS	6/25/18

GENERAL NOTES & TYPICAL SECTION

PCD File No. SF-18-010



GENERAL DRAINAGE 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.

ESTIMATED EARTHWORK QUANTITY:

UNCLASSIFIED EXCAVATION (TOTAL CUT) = 9,253 CY
EMBANKMENT FILL = 1,769 CY
NET (CUT) = 7,484 CY
*(ASSUMES 15% COMPACTION FACTOR)

NOTE: THIS ESTIMATE IS PROVIDED FOR INFORMATION ONLY, REPRESENTING THE CALCULATED BULK EARTHWORK VOLUME NOT INCLUDING ANY ADJUSTMENTS FOR PAVEMENT DEPTHS. CONTRACTOR SHALL MAKE HIS OWN DETERMINATION OF EARTHWORK QUANTITIES AS BASIS FOR BID PRICING AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

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.

BMP PHASING

- INITIAL BMP'S
- INSTALL VTC
 - INSTALL SILT FENCE
- INTERIM BMP'S
- STRAW BALE CHECK DAMS
- FINAL BMP'S
- RIPRAP APRONS
 - SEEDING

LEGEND

- BOUNDARY LINES
- DRAINAGE BASIN BOUNDARY
- EXISTING CONTOUR
- PROPOSED SPOT ELEVATION (FLOWLINE)
- EXISTING SPOT ELEVATION (FLOWLINE)
- DRAINAGE CHANNEL
- PROPOSED FLOW DIRECTION ARROW
- PROPOSED CULVERT W/ FLARED END SECTIONS
- INLET PROTECTION (IP)
- RIPRAP (RR)
- VEHICLE TRACKING CONTROL PAD (VTC)
- STRAW BALE BARRIER (STB) @ 300' SPACING
- SILT FENCE (SF)
- STRAW BALES
- TEMPORARY SEED AND MULCH ON DISTURBED SLOPES
- EROSION CONTROL BLANKET DITCH LINING (NAG C350 OR EQUAL) (ECB)

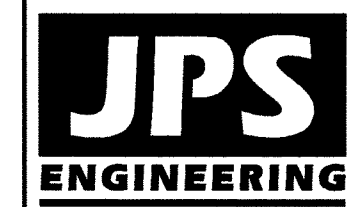


THE RESERVE AT CORRAL BLUFFS SUBDIVISION FIL. NO. 2

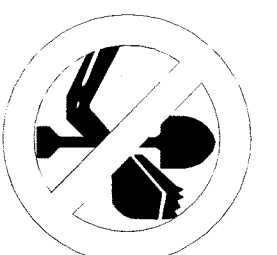
GRADING AND EROSION CONTROL PLAN

HORZ. SCALE: = 200'	DRAWN: MSP
VERT. SCALE: = 20'	DESIGNED: JPS
SURVEYED: LWA	CHECKED: JPS
CREATED: 02/20/12	LAST MODIFIED: 5/30/18
PROJECT NO: 081104	MODIFIED BY: MSP
SHEET:	

C1



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Colorado Springs, CO 80903
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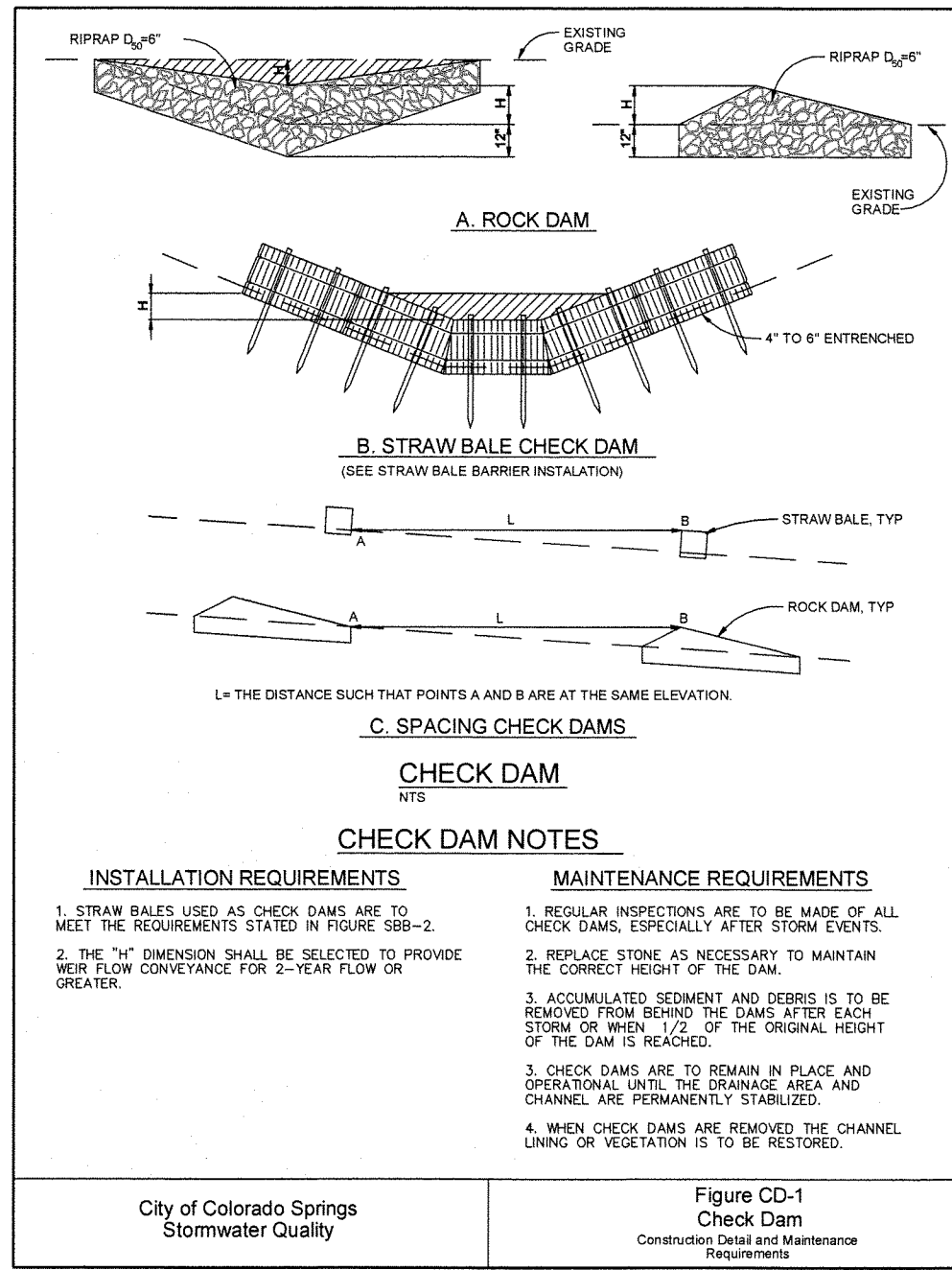
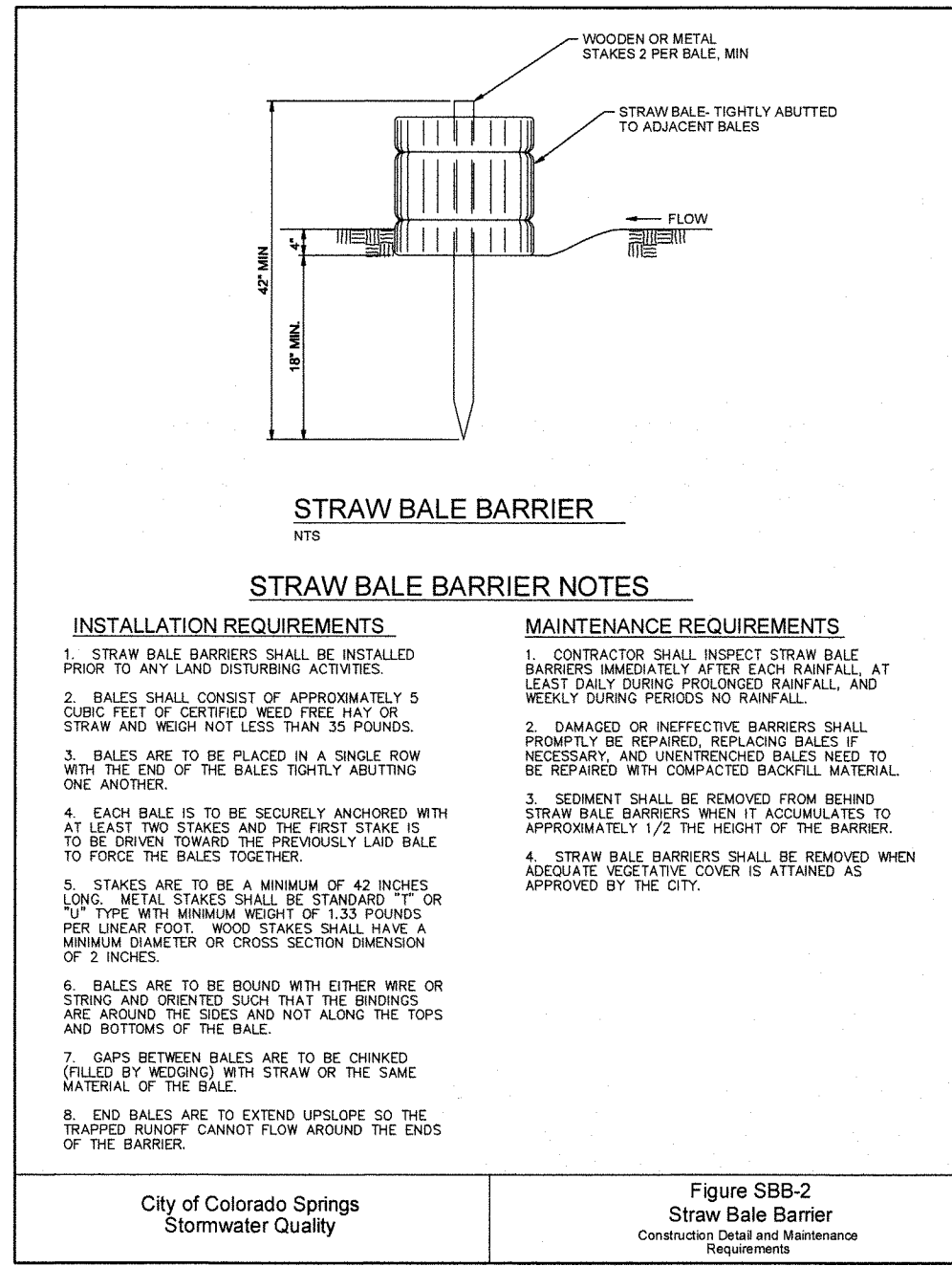
No.	REVISION	BY	DATE
1	COUNTY SUBMITAL	JPS	3/8/13
2	COUNTY COMMENTS	JPS	7/31/13
3	COUNTY COMMENTS	JPS	10/21/13
4	FILING NO. 2	JPS	5/30/18

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\Civ13D 2018

- NOTE:
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.

NOTE:
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.

PCD File No.

PCD File No.

PCD File No.

PCD File No. SF

PCD File No. SF

PCD File No.

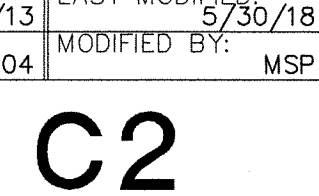
PCD File No. SF

PCD F

PCD File No. SF



SHEET:

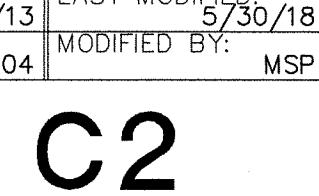


13 LAST MODIFIED BY: 5/30/18
04 MODIFIED BY: MSP

C2

13 LAST MODIFIED BY: 5/30/18
04 MODIFIED BY: MSP

C2



13 LAST MODIFIED BY: 5/30/18
04 MODIFIED BY: MSP

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13 LAST MODIFIED BY: 5/30/18
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C2

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04 MODIFIED BY: MSP

C2

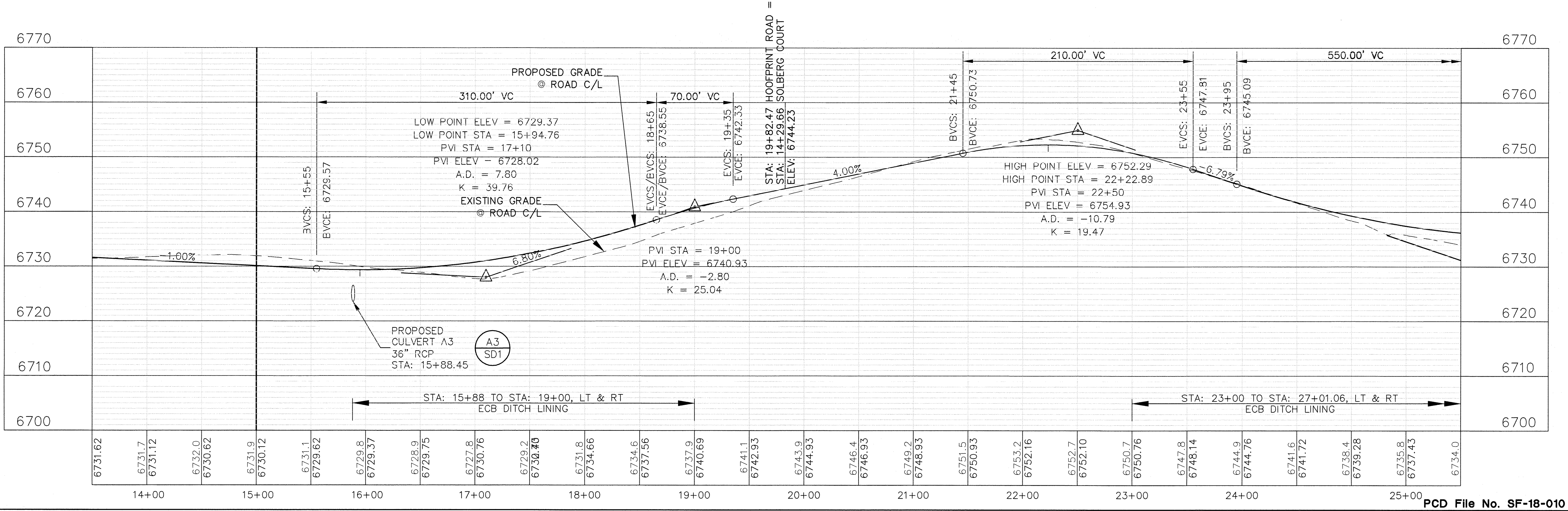
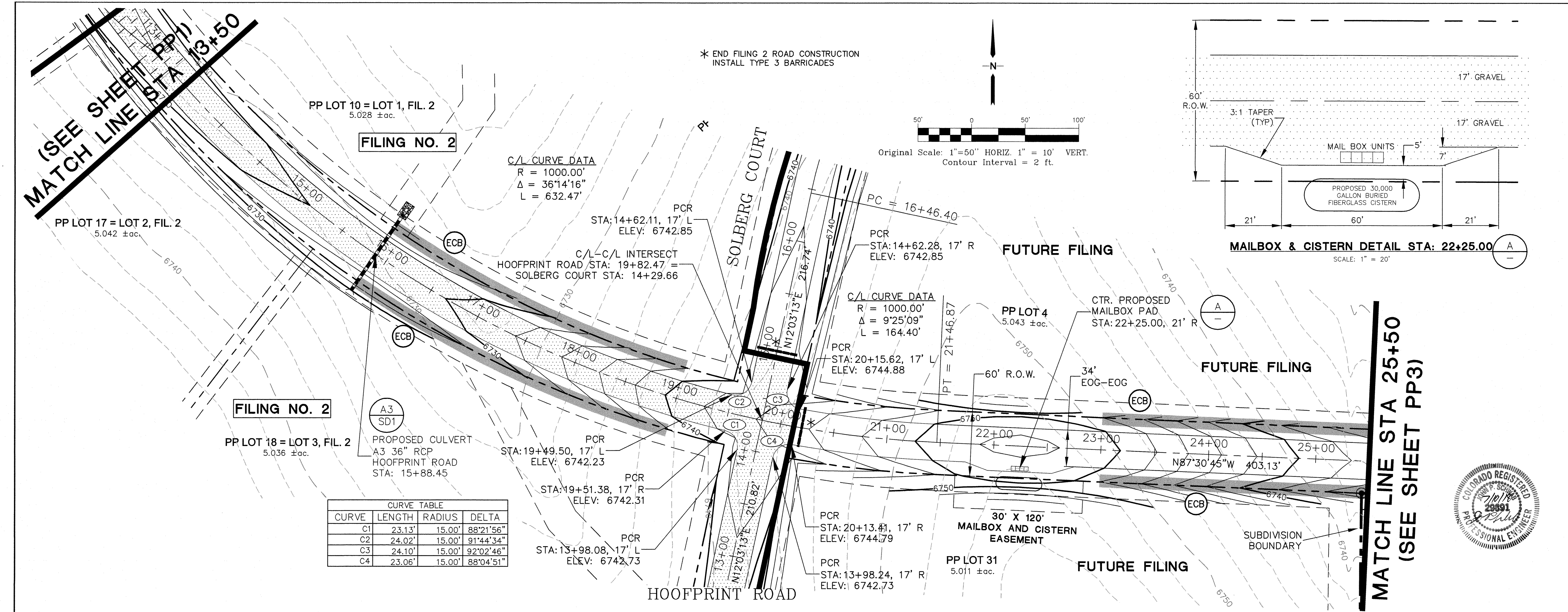
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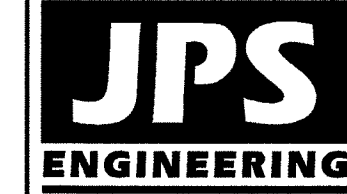
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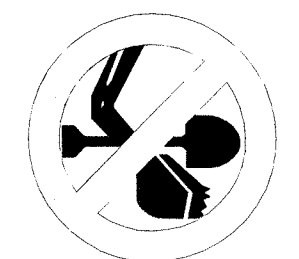
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THE RESERVE AT CORRAL BLUFFS SUBDIVISION FIL. NO. 2



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



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

No.	BY	DATE	REVISION
1	JPS	3/8/13	COUNTY SUBMITTAL
2	JPS	7/31/13	COUNTY COMMENTS
3	JPS	10/21/13	COUNTY COMMENTS
4	JPS	5/30/18	FILING NO. 2

HOOFPRINT ROAD

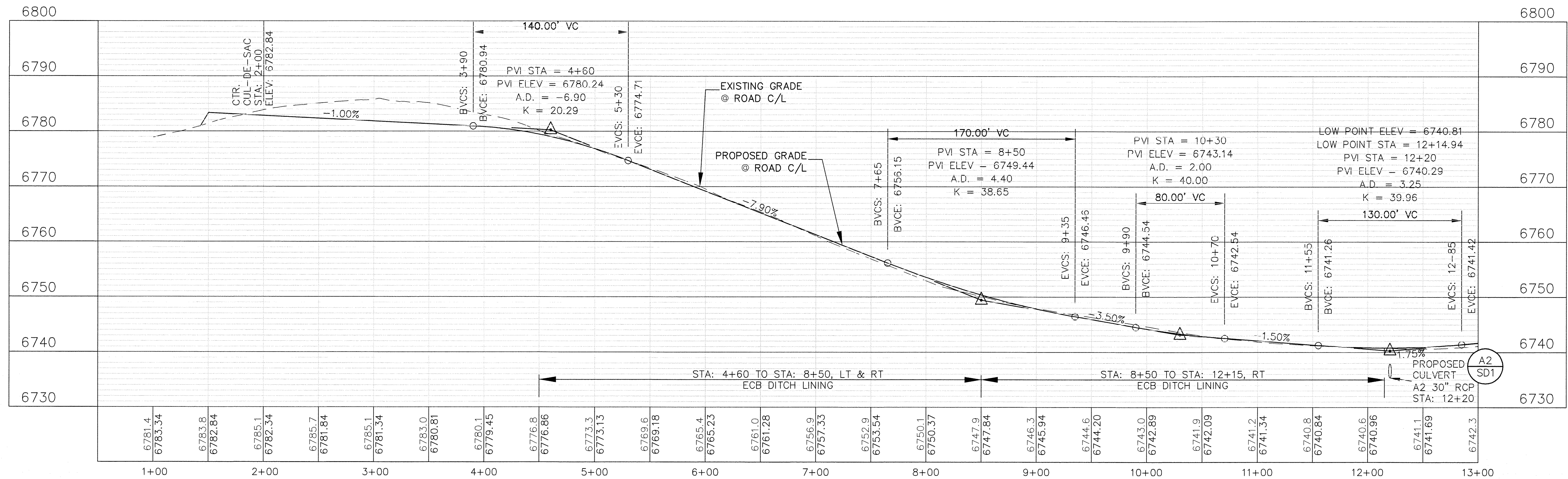
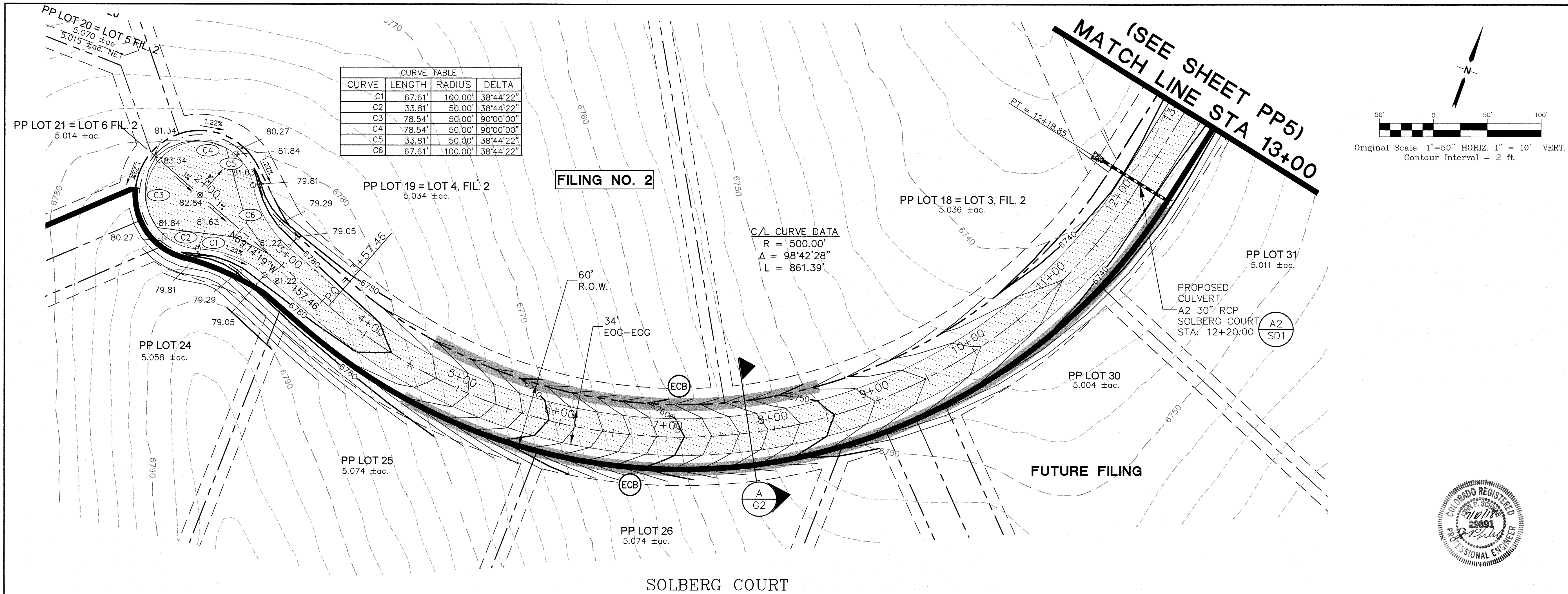
PLAN AND PROFILE

STA: 13+50 TO 25+50

HORZ. SCALE: 1" = 50'	DRAWN: MSP
VERT. SCALE: 1" = 10'	DESIGNED: JPS
SURVEYED: LWA	CHECKED: JPS
CREATED: 01/30/12	LAST MODIFIED: 5/30/18
PROJECT NO: 081104	MODIFIED BY: MSP
SHEET:	

PP2

C:\Civil3D 2018\projects\081104\corral-bluffs - Fil 2\dwg\Construction\PP.dwg May 30, 2018 - 10:27am



PCD File No. SF-18-010

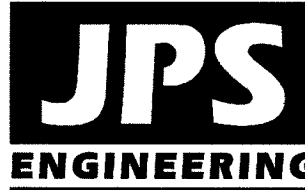
THE RESERVE AT CORRAL BLUFFS SUBDIVISION FIL. NO. 2

SOLBERG COURT
PLAN AND PROFILE
STA: 1+50 TO 13+00

HORZ. SCALE: 1"=50'	DRAWN: MSP
VERT. SCALE: 1"=10'	DESIGNED: JPS
SURVEYED: LWA	CHECKED: JPS
CREATED: 01/30/12	LAST MODIFIED: 5/30/18
PROJECT NO: 081104	MODIFIED BY: MSP

SHEET:

PP4



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

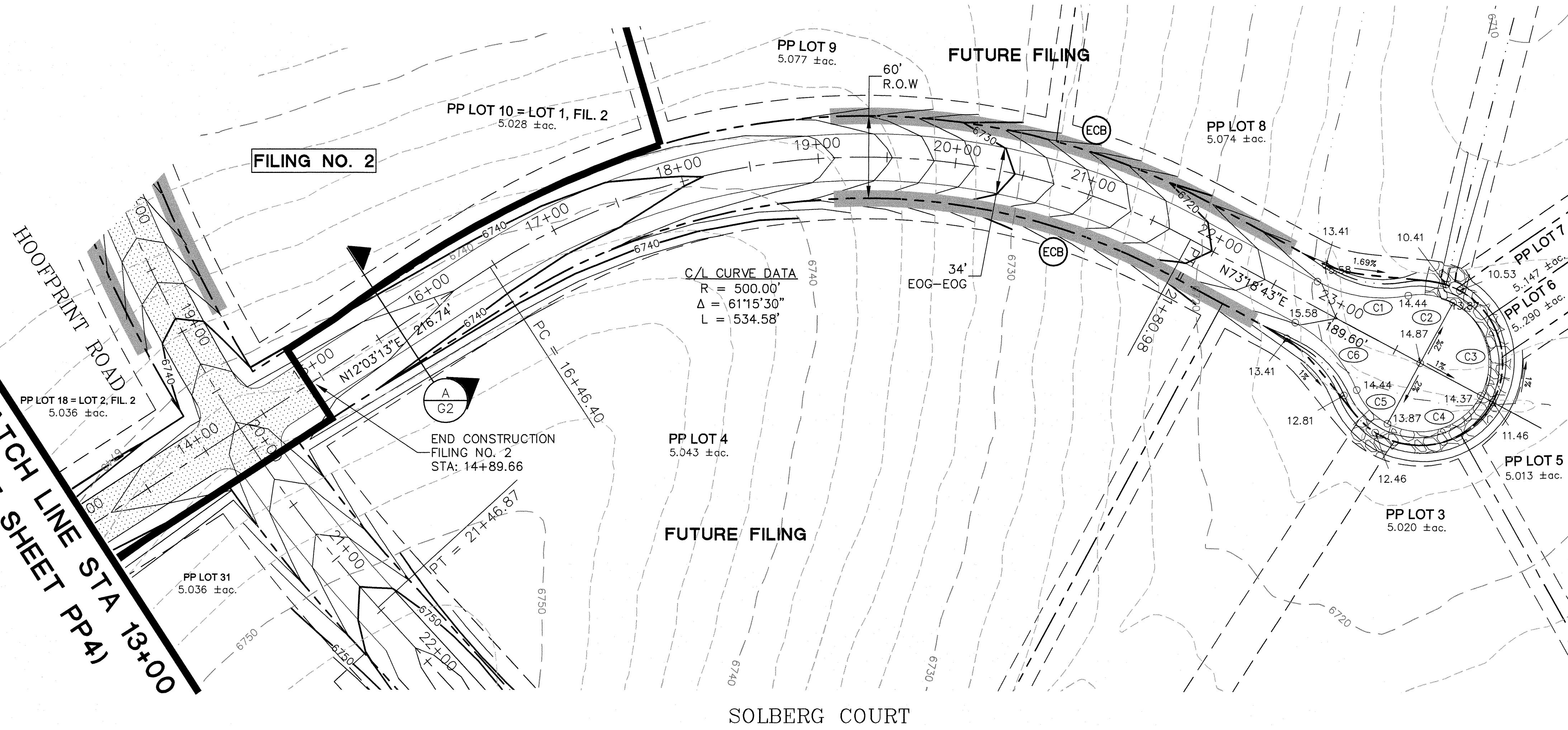


CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
SCALE: 2-BUSINESS DAYS IN ADVANCE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES.

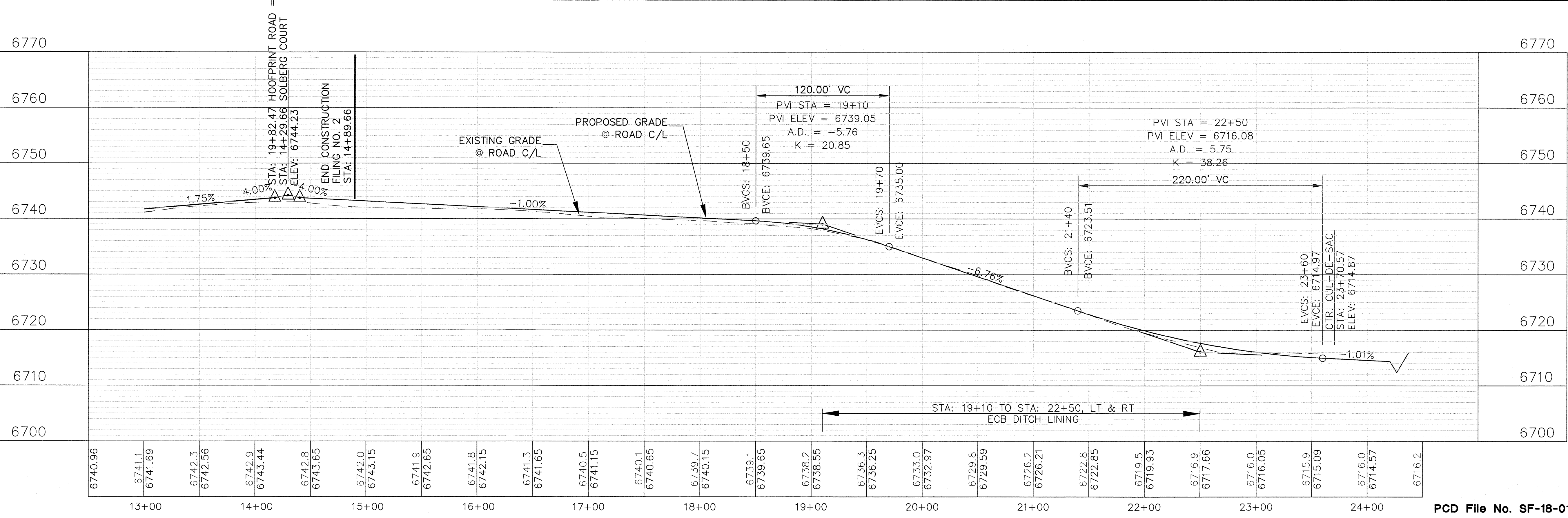
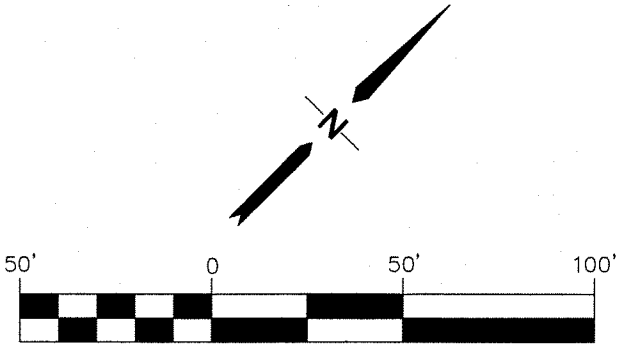
No.	REVISION	BY	DATE
1	COUNTY SUBMITTAL	JPS	3/8/13
2	COUNTY COMMENTS	JPS	7/31/13
3	COUNTY COMMENTS	JPS	10/21/13
4	FILING NO. 2	JPS	5/30/18

C:\civil3d 2018 projects\081104 corral-bluffs - Fil 2\dwg\Construction\PP.dwg May 30, 2018 - 10:25am

HOOFPRI
MATCH LINE STA 13+00
(SEE SHEET PP4)



CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C1	67.61'	100.00'	38°44'22"
C2	33.81'	50.00'	38°44'22"
C3	78.54'	50.00'	90°00'00"
C4	78.54'	50.00'	90°00'00"
C5	33.81'	50.00'	38°44'22"
C6	67.61'	100.00'	38°44'22"

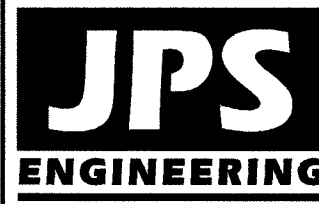


THE RESERVE AT CORRAL BLUFFS SUBDIVISION FIL. NO. 2

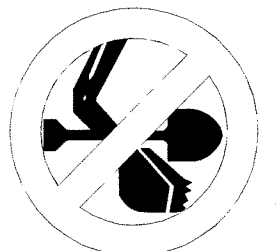
SOLBERG COURT
PLAN AND PROFILE
STA: 13+00 TO 24+50

HORZ. SCALE: = 50'	DRAWN: MSP
VERT. SCALE: = 10'	DESIGNED: JPS
SURVEYED: LWA	CHECKED: JPS
CREATED: 01/30/12	LAST MODIFIED: 5/30/18
PROJECT NO: 081104	MODIFIED BY: MSP
SHEET:	

PP5



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

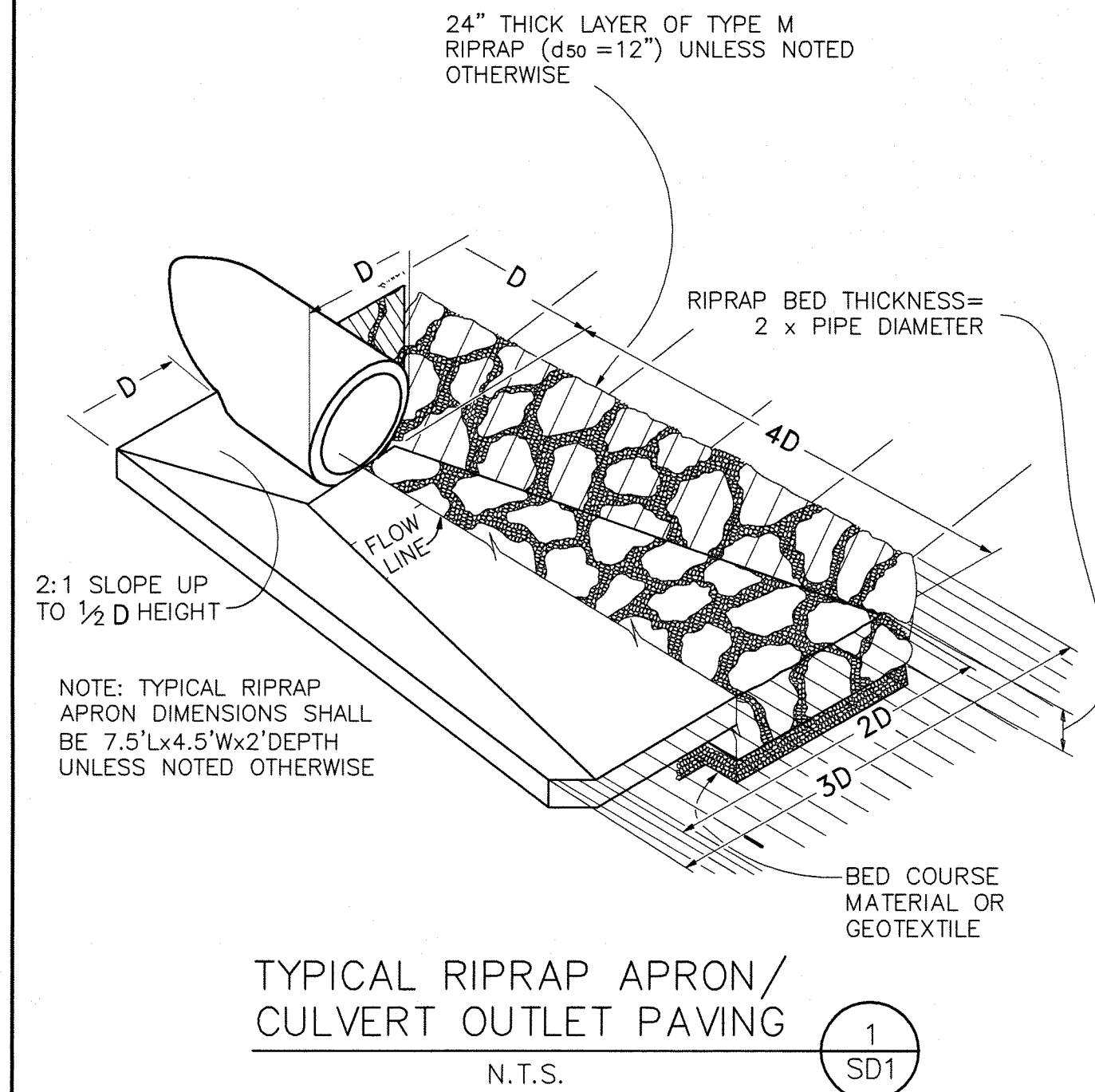
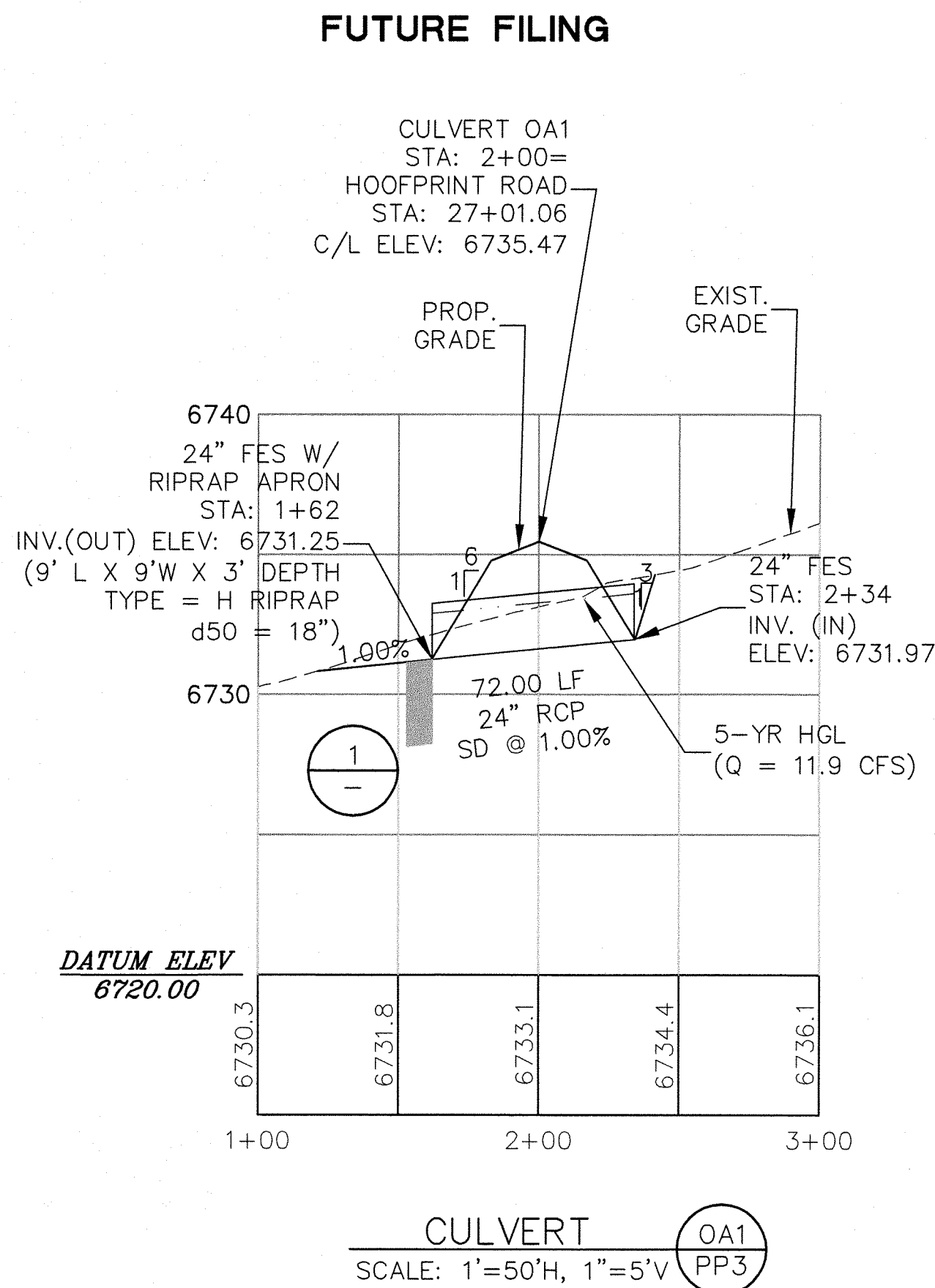
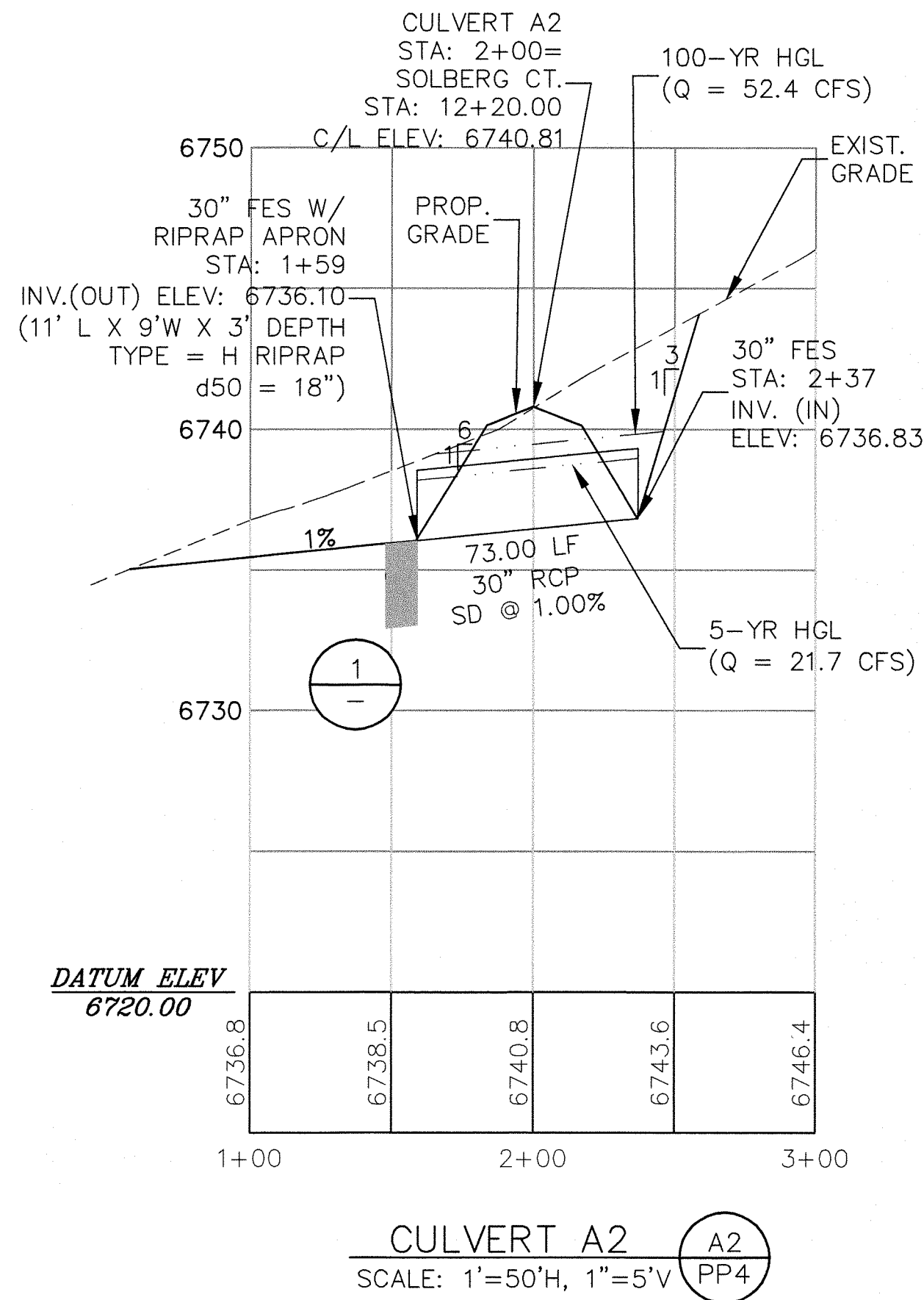
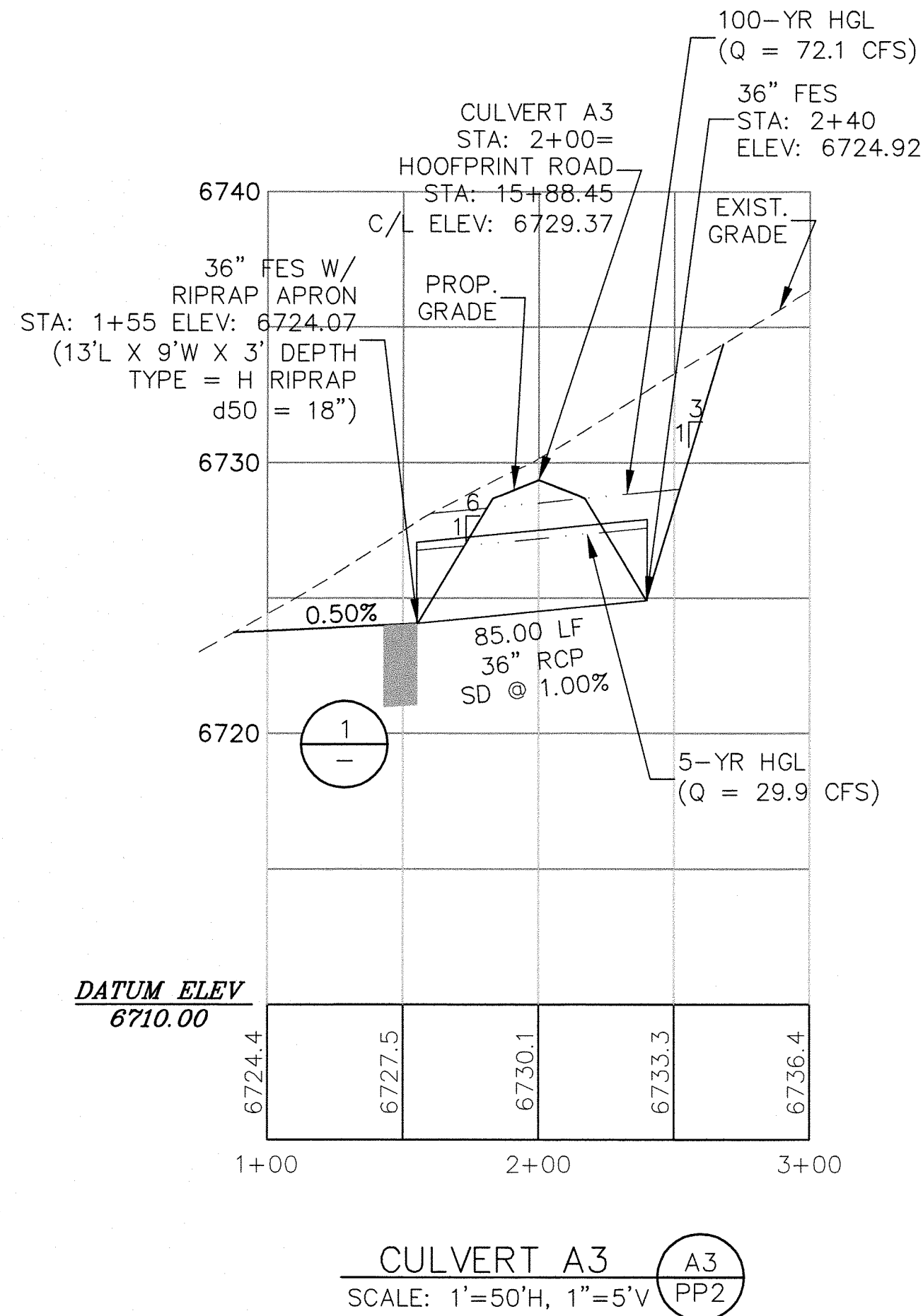


CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 48 HOURS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES.

No.	REVISION	BY	DATE
1	COUNTY SUBMITTAL	JPS	3/8/13
2	COUNTY COMMENTS	JPS	7/31/13
3	COUNTY COMMENTS	JPS	10/21/13
4	FILING NO. 2	JPS	5/30/18

PCD File No. SF-18-010

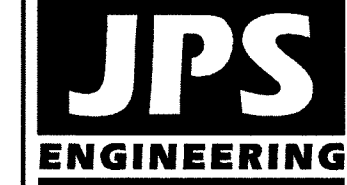
C:\civil3d 2018 projects\081104.corral-bluffs - Fil 2.dwg Construction\SD1.dwg May 30, 2018 - 10:51am



PCD File No. SF-18-010

THE RESERVE AT CORRAL BLUFFS SUBDIVISION FIL. NO. 2

CULVERT PROFILES



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
CALL 2-BUSINESS DAYS IN ADVANCE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES.

No.	REVISION	BY	DATE
1	COUNTY SUBMITTAL	JPS	3/8/13
2	COUNTY COMMENTS	JPS	7/31/13
3	COUNTY SUBMITTAL	JPS	10/21/13
4	FILING NO. 2	JPS	5/30/18

HORZ. SCALE: 1" = 50'	DRAWN: MSP
VERT. SCALE: 1" = 5'	DESIGNED: JPS
SURVEYED: LWA	CHECKED: JPS
CREATED: 02/20/12	LAST MODIFIED: 5/30/18
PROJECT NO.: 081104	MODIFIED BY: MSP

SHEET:

SD1