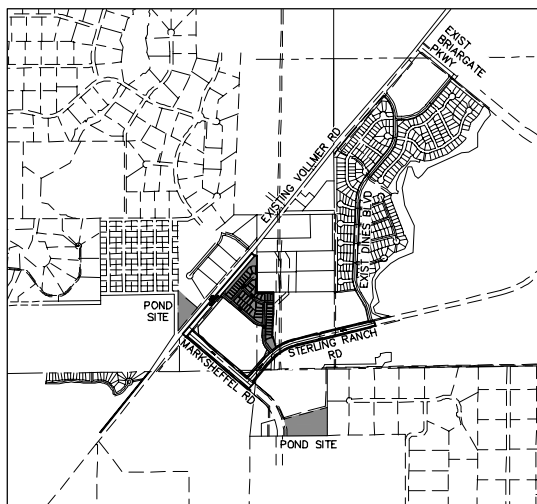


CDR-20-005
SF-20-015

1. STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH STABILIZATION SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY STATE WATER BODY.
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, E.F. PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DESIGN CRITERIA MANUAL, AND THE MAINTENANCE CRITERIA MANUAL, VOLUME 1. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
3. A SEPARATE STORMWATER MANAGEMENT PLAN (SWMP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY MANAGEMENT PLAN (ESQMP) SHALL BE COMPLETED PRIOR TO THE START OF CONSTRUCTION. THE SWMP SHALL ADDRESS THE EROSION AND 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 ESQMP IS APPROVED AND A NOTICE TO PROCEED HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STABILIZATION MEASURES. THE ESQMP SHALL BE REVIEWED AND APPROVED BY THE EROSION CONTROL INSPECTOR, THE EROSION CONTROL ENGINEER, AND E.F. PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE WITH THE EROSION CONTROL ENGINEER AND E.F. PASO COUNTY TO OBTAIN ANY NECESSARY PERMITS.
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 EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN SEDIMENT AND DISTURBANCE ACTIVITIES SHALL ASSESS THE ADEQUACY OF CONTROL MEASURES AT THE SITE AND IDENTIFY IF CHANGES TO THOSE MEASURES ARE REQUIRED. ANY 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 DISTURBANCE 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 HAVE COMPLETED AND THE SITES ARE COVERED WITH A UNIFORM VEGETATIVE COVER WITH INDICATED MINIMUM DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS ESTABLISHED OR EQUIVALENT PERMANENT ALTERNATIVE STABILIZATION METHOD. IT IS THE APPLICANT'S RESPONSIBILITY TO MAINTAIN TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES UNTIL PERMANENT 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 ECOM ENGINEER PRIOR TO CONSTRUCTION.
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 IS LIMITED TO THE MINIMUM AREA NECESSARY TO COMPLY WITH THE PROJECT DESIGN. DISTURBED AREAS SHALL BE RECLAIMED WITHIN 50 HORIZONTAL FEET OF A WATER'S 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 EXCESSIVE TRAFFIC AND COMPACTED AREAS SHALL BE RECLAIMED WITHIN 50 HORIZONTAL FEET OF A WATER'S OF THE STATE TO SITE CONSTRAINTS, ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENED PRIOR TO INSTALLATION



VICINITY MAP
SCALE: 1"=1,000'

1 COVER
2-9 FINAL GRADING & EROSION CONTROL PLAN
11-13 DETAIL SHEET

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. FIELD NOTIFICATION 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 (FORMERLY THE SOIL AND SEDIMENTATION PLAN), THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:
 - 3.1. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS AND BRIDGE CONSTRUCTION MANUAL (ECM)
 - 3.2. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
 - 3.3. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS AND BRIDGE CONSTRUCTION MANUAL (ECM)
 - 3.4. CDOT M&S STANDARDS
4. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO THE ROADS, STORM DRAINAGE, AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSIONS OF THE CITY OF EL PASO COUNTY DRAINAGE CRITERIA MANUAL, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE 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. ANY MODIFICATIONS NECESSARY TO MEET CITY OR STATE AGENCIES' 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 INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY DRAINAGE AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL WATERSHED FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS—ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUTURE DUTY REQUIRED PERMITS.
8. CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCO.
9. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCO PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
10. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
11. SIGHT VISIBILITY TRIANGLES ARE IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED IN SIGHT TRIANGLES.
12. SIGNING AND STRIPPING SHALL COMPLY WITH EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS AND MUTCD CRITERIA.
13. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL PERMITS.
14. THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSIONS AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

OWNER/DEVELOPER:

SR LAND, LLC
20 BOLDER CRESCENT, SUITE 201
COLORADO SPRINGS, CO 80903
JAMES F. MORLEY (719) 471-1742

CIVIL ENGINEER:

JR ENGINEERING, LLC
3475 TECH CENTER DRIVE
COLORADO SPRINGS, CO 80919
MIKE BRAMLETT P.E. (303) 267-6240

COUNTY ENGINEERING:

EL PASO COUNTY PLANNING
AND COMMUNITY DEVELOPMENT
2880 INTERNATIONAL CIRCLE, SUITE 110
COLORADO SPRINGS, CO 80903
JEFF RICE, P.E. (719) 520-6300

TRAFFIC ENGINEERING:

EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS
3275 AERS DRIVE
COLORADO SPRINGS, CO 80922
JENNIFER REINE, P.E. (719) 520-4460

WATER RESOURCES:

STERLING RANGER METRO DISTRICT ENGINEERS
AND CONSULTANTS
545 E. PIKES PEAK AVE., SUITE 300
COLORADO SPRINGS, CO 80903
JOHN MCCOY (719) 668-8789

FIRE DISTRICT:

BLACK FOREST FIRE PROTECTION DISTRICT
11445 TEACHTOUT ROAD
COLORADO SPRINGS, CO 80908
CHIEF BRYAN JACK (719) 496-4300

GAS DEPARTMENT:

COLORADO SPRINGS UTILITIES
1770 DURANT DR.
COLORADO SPRINGS, CO 80947
TIM WENDT (719) 668-3556

ELECTRIC DEPARTMENT:

MOUNTAIN VIEW ELECTRIC
11140 E.D. WOODMAN ROAD
FALCON, CO 80831
(719) 495-2283

COMMUNICATIONS:

QWEST COMMUNICATIONS
(U.S.C.C. LOCATORS) (800) 922-1987
AT&T (LOCATORS) (719) 635-3744

STORMWATER:

STORMWATER ENGINEERING
30 S. NEWDA AVE., SUITE 401
COLORADO SPRINGS, CO 80903
(719)-385-5980

TRAFFIC:

STORMWATER ENGINEERING
30 S. NEWDA AVE.
COLORADO SPRINGS, CO 80903
(719)-385-5908

GAS:

STEPHEN BACON
ROR AGENT I
COLORADO INTERSTATE GAS CO. (KINDER MORGAN)
2 S. NEWDA AVE.
COLORADO SPRINGS, CO 80903
(719)-659-9536

GAS:

ORAC REISER
REAL ESTATE & MACGILLAN MIDSTREAM PARTNERS, L.P.
6160-574-2800
ONE WILLIAMS CENTER, OTTC-B, TULSA, OK 74172

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.

JENNIFER IRVINE, P.E.

DATE _____

COUNTY ENGINEER/ECM ADMINISTRATOR

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

JAMES F. MORLEY

DATE _____

SR LAND, LLC

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

MIKE A. BRAMLETT, P.E.

COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING, LLC

TIME AS
INGS ARE
Y THE
E REVIEWING
& ENGINEERING
THEIR USE
HE PURPOSES
BY WRITTEN
ON.

PREPARED FOR
SR LAND, LLC
BOULDER CRESCENT
SUITE 201
DO SPRINGS, CO 80900
JAMES F. MORLEY

I.R. ENGINEERING



Centennial 303-740-9393 • Colorado Springs 719-530-2593
Fort Collins 970-491-9988 • www.rencinsealing.com

| SHEET | STERLING RANCH FILING NO.2 | | H-SCALE | N/A | No. | REVISION | BY | DATE |
|-------|--------------------------------------|-------|-------------|----------|-----|----------|----|------|
| | 1 | OF 1. | | | | | | |
| 25188 | FINAL GRADING & EROSION CONTROL PLAN | | V-SCALE | N/A | | | | |
| | | | DATE | 04/15/21 | | | | |
| | | | DESIGNED BY | A.J.H | | | | |
| | | | DRAWN BY | A.J.H | | | | |

NO WETLANDS ARE TO BE PERMANENTLY DISTURBED PER THIS GRADING PLAN.

NO EARLY GRADING IS TO OCCUR WITHIN THE 100 YEAR FLOODPLAIN.

ALL TEMPORARY RIPRAP SHOWN ON THE PLANS SHALL BE TYPE 'M'. RIPRAP SHALL BE PLACED IN THE LOCATIONS INDICATED BY THE PLAN OR IN AREAS AS THE CONTRACTOR SEES FIT TO CONTROL EROSION. ALL RIPRAP SHALL BE PLACED AT A MINIMUM THICKNESS OF 1.5' DEEP.

STAGING AREA TO BE DETERMINED BY CONTRACTOR
IN THE FIELD. THE LOCATIONS SHALL BE
DELINEATED ON THIS PLAN BY THE CONTRACTOR.

THE EROSION CONTROL DELINEATED ON THIS PLAN
SHALL BE REGULARLY UPDATED BY THE
CONTRACTOR.

EXISTING VEGETATION IS NATIVE MEADOW GRASS
(APPROXIMATELY 75% COVERAGE).

NO ASPHALT OR CONCRETE BATCH PLANTS WILL BE UTILIZED ON-SITE.

AREA TO BE CONSTRUCTED IN SF-20-015

T.O.W - TOP OF WALL
B.O.W - BOTTOM OF WALL

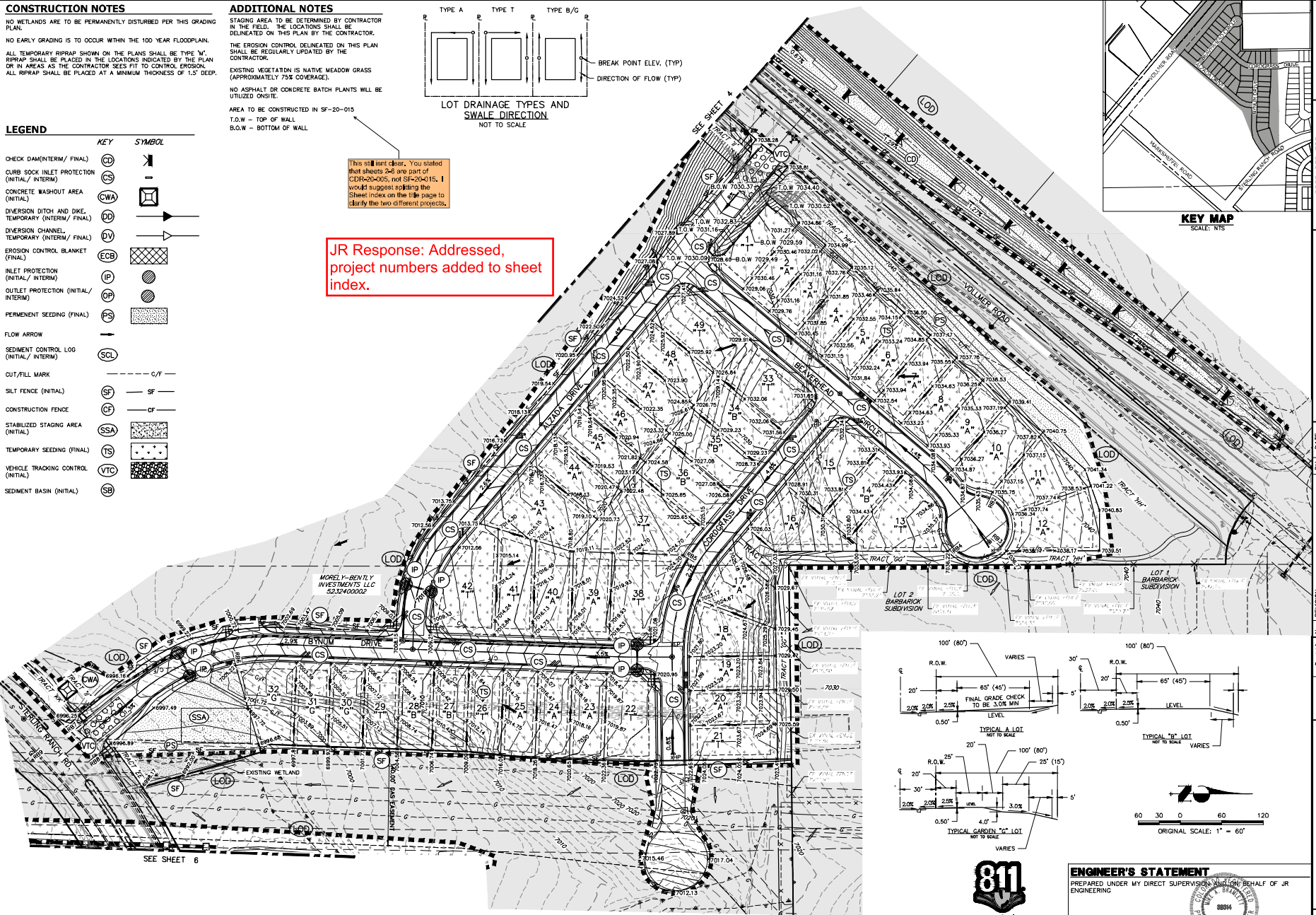
| | KEY | SYMBOL |
|---|-----|-----------------|
| CURB DAM (INTERM/ FINAL) | CD | |
| CHUCK SOCK INLET PROTECTION (INITIAL/ INTERM) | CS | |
| CONCRETE WASHOUT AREA (INITIAL) | CWA | |
| DIVERSION DITCH AND DIKE, TEMPORARY (INTERM/ FINAL) | DD | |
| DIVERSION CHANNEL, TEMPORARY (INTERM/ FINAL) | DV | |
| EROSION CONTROL BLANKET (INITIAL/ INTERM) | ECB | |
| INLET PROTECTION (INITIAL/ INTERM) | IP | |
| OUTLET PROTECTION (INITIAL/ INTERM) | OP | |
| PERMANENT SEEDING (FINAL) | PS | |
| FLOW ARROW | | |
| SEDIMENT CONTROL LOG (INITIAL/ INTERM) | SCL | |
| CUT/FILL MARK | | ----- C/F ----- |
| SILT FENCE (INITIAL) | SF | — SF — |
| CONSTRUCTION FENCE | CF | — CF — |
| STABILIZED STAGING AREA (INITIAL) | SSA | |
| TEMPORARY SEEDING (FINAL) | TS | |
| VEHICLE TRACKING CONTROL (INITIAL) | VTC | |
| SEDIMENT BASIN (INITIAL) | SB | |

— BREAK POINT ELEV. (TYP)
— DIRECTION OF FLOW (TYP)

LOT DRAINAGE TYPES AND
SWALE DIRECTION

This still isn't clear. You stated that sheets 2-6 are part of CDR-20-005, not SF-20-015. I would suggest splitting the Sheet index on the title page to clarify the two different projects.

JR Response: Addressed, project numbers added to sheet index.



Know what's below.
Call before you dig.

PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR
ENGINEERING

MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING, LLC

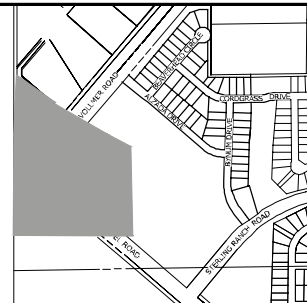
PREPARED FOR
SR LAND, LLC
20 BOLDER CRESCENT
SUITE 201
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JAMES F. MORLEY
(719) 471-1742



J-R ENGINEERING
A Westrian Company

Centennial 303-740-9393 • Colorado Springs 719-593-2583
Fort Collins 970-491-9888 • www.jengineering.com

| | | | | | |
|--------------------------------------|---------|-------------|----------|--------------|------|
| STERLING RANCH FILING NO.2 | | H-SCALE | I"=60' | NO. REVISION | DATE |
| | | V-SCALE | N/A | | |
| FINAL GRADING & EROSION CONTROL PLAN | | DATE | 04/15/21 | | |
| | | DESIGNED BY | XXX | | |
| | | DRAWN BY | XXX | | |
| | | CHECKED BY | | | |
| SHEET | 2 | OF | 13 | | |
| JOB NO. | 25188.0 | | | | |



PREPARED FOR
SR LAND, LLC
20 BOULDER CRESCENT
BOULDER, CO 80503
COLORADO SPRINGS, CO 80903
JAMES F. MORLEY
(719) 471-1742

UNTIL SUCH TIME AS THE
APPROPRIATE REVIEWING
AGENCY HAS REVIEWED
AND APPROVED THEIR USE
FOR THE PURPOSES
DESIGNATED BY WRITTEN
AUTHORIZATION.

JR ENGINEERING
A Whiting Company

Central 303-740-5555 • Colorado Springs 719-595-2555
for Cities 970-497-9888 • www.jrengineering.com

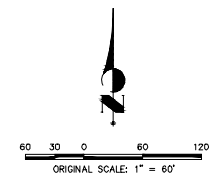
| DATE | BY | REVISION | No. | 1"=60' | H-SCALE | V-SCALE |
|------|----|----------|-----|----------|-------------|---------|
| | | | | N/A | | |
| | | | | 04/15/21 | DATE | |
| | | | | ARJ | DESIGNED BY | |
| | | | | ARJ | DRAWN BY | |
| | | | | | CHECKED BY | |

STERLING RANCH FILING NO.2
FINAL GRADING & EROSION
CONTROL PLAN

SHEET 3 OF 13
JOB NO. 25188.01

LEGEND

| KEY | SYMBOL |
|---|-------------|
| CHECK DAM (INTERM/ FINAL) | CD |
| CURB SLOK INLET PROTECTION (INITIAL/ INTERM) | CS |
| CONCRETE WASHOUT AREA (INITIAL) | CWA |
| DIVERSION DITCH AND DIKE, TEMPORARY (INTERM/ FINAL) | DD |
| DIVERSION CHANNEL, TEMPORARY (INTERM/ FINAL) | DV |
| EROSION CONTROL BLANKET (FINAL) | ECB |
| INLET PROTECTION (INITIAL/ INTERM) | IP |
| OUTLET PROTECTION (INITIAL/ INTERM) | OP |
| PERMANENT SEEDING (FINAL) | PS |
| FLOW ARROW | —> |
| SEDIMENT CONTROL LOG (INITIAL/ INTERM) | SCL |
| OUT/FILL MARK | --- C/F --- |
| SILT FENCE (INITIAL) | SF |
| CONSTRUCTION FENCE | CF |
| STABILIZED STAGING AREA (INITIAL) | SSA |
| TEMPORARY SEEDING (FINAL) | TS |
| VEHICLE TRACKING CONTROL (INITIAL) | VTC |
| SEDIMENT BASIN (INITIAL) | SB |



ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING

MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING



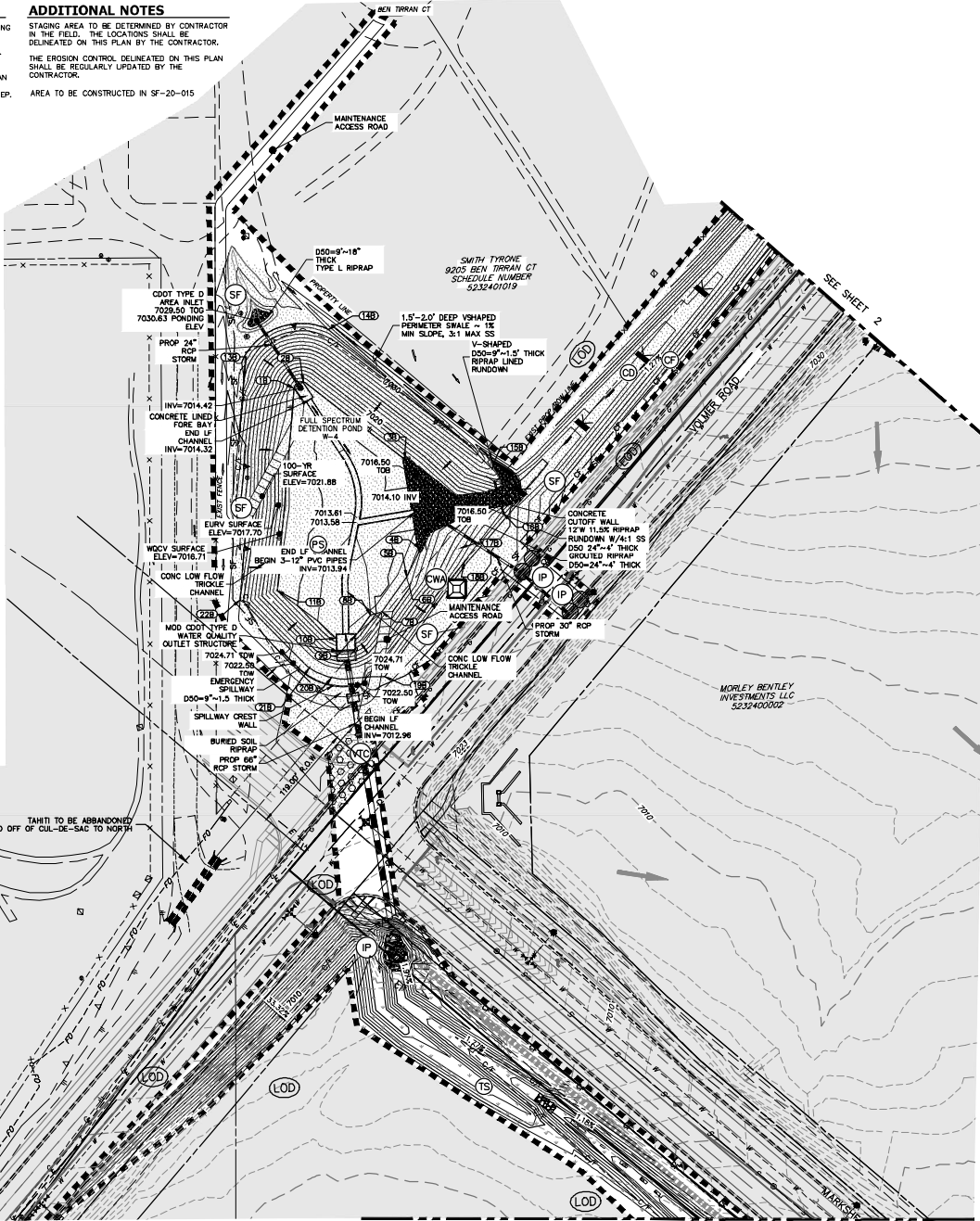
CONSTRUCTION NOTES

NO WETLANDS ARE TO BE PERMANENTLY DISTURBED PER THIS GRADING PLAN.
NO EARLY GRADING IS TO OCCUR WITHIN THE 100 YEAR FLOODPLAIN.
ALL TEMPORARY RIPRAP SHOWN ON THE PLANS SHALL BE TYPE "V".
RIPRAP SHALL BE PLACED IN THE LOCATIONS INDICATED BY THE PLAN OR IN AREAS AS THE CONTRACTOR SEES FIT TO CONTROL EROSION.
ALL RIPRAP SHALL BE PLACED AT A MINIMUM THICKNESS OF 1.5' DEEP.

ADDITIONAL NOTES

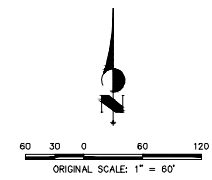
STAGING AREA TO BE DETERMINED BY CONTRACTOR
IN THE FIELD. THE LOCATIONS SHALL BE
DELINEATED ON THIS PLAN BY THE CONTRACTOR.
THE EROSION CONTROL DELINEATED ON THIS PLAN
SHALL BE REGULARLY UPDATED BY THE
CONTRACTOR.
AREA TO BE CONSTRUCTED IN SF-20-015

| ID NO. | DESCRIPTION | NORTHING/EASTING | ELEVATION |
|--------|-------------|----------------------------|-----------|
| 18 | GR - TOE | N:411222.85 E:232589.83 | 7016.00 |
| 29 | GR - TOE | N:411229.81 E:232599.85 | 7016.01 |
| 36 | GR - TOE | N:411144.36 E:232711.55 | 7016.00 |
| 48 | GR - TOE | N:411045.38 E:232728.99 | 7015.95 |
| 56 | GR - TOE | N:411014.34 E:232713.80 | 7016.75 |
| 68 | GR - TOE | N:411002.65 E:232717.14 | 7016.00 |
| 78 | GR - TOE | N:410976.83 E:232686.61 | 7016.00 |
| 86 | GR - TOE | N:410973.19 E:232674.09 | 7014.00 |
| 96 | GR - TOE | N:410951.12 E:232657.45 | 7014.00 |
| 106 | GR - TOE | N:410947.77 E:232636.18 | 7014.00 |
| 116 | GR - TOE | N:410999.80 E:232570.99 | 7016.00 |
| 136 | GR - TOP | N:411213.62 E:232534.58 | 7030.02 |
| 146 | GR - TOP | N:411287.84 E:232627.60 | 7032.00 |
| 156 | GR - TOP | N:411134.37 E:232607.85 | 7026.81 |
| 166 | GR - TOP | N:411084.69 E:232620.22 | 7024.13 |
| 176 | GR - TOP | N:411046.35 E:232773.06 | 7021.60 |
| 186 | GR - TOP | N:411031.23 E:232777.38 | 7024.00 |
| 196 | GR - TOP | N:410905.26 E:232689.59 | 7024.01 |
| 206 | GR - TOP | N:410804.12 E:232630.92 | 7022.00 |
| 216 | GR - TOP | N:410814.97 E:232606.83 | 7022.00 |
| 226 | GR - TOP | N:410988.13 E:232529.96 | 7026.00 |



LEGEND

| KEY | SYMBOL |
|--|-------------|
| CHECK DAM (INTERIM/ FINAL) | CD |
| CURB SLOK INLET PROTECTION (INITIAL/ INTERIM) | CS |
| CONCRETE WASHOUT AREA (INITIAL) | CWA |
| DIVERSION DITCH AND DIKE, TEMPORARY (INTERIM/ FINAL) | DD |
| DIVERSION CHANNEL, TEMPORARY (INTERIM/ FINAL) | DV |
| EROSION CONTROL BLANKET (FINAL) | ECB |
| INLET PROTECTION (INITIAL/ INTERIM) | IP |
| OUTLET PROTECTION (INITIAL/ INTERIM) | OP |
| PERMANENT SEEDING (FINAL) | PS |
| FLOW ARROW | —> |
| SEDIMENT CONTROL LOG (INITIAL/ INTERIM) | SCL |
| OUT/FILL MARK | --- C/F --- |
| SILT FENCE (INITIAL) | SF |
| CONSTRUCTION FENCE | CF |
| STABILIZED STAGING AREA (INITIAL) | SSA |
| TEMPORARY SEEDING (FINAL) | TS |
| VEHICLE TRACKING CONTROL (INITIAL) | VTC |
| SEDIMENT BASIN (INITIAL) | SB |



ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING, INC.



| | |
|---|---|
| PREPARED FOR SR LAND, LLC 20 BOULDER CREEK COLORED SPRINGS, CO 80903 DESIGNED BY JAMES F. MORLEY (719) 471-1742 | UNTIL SUCH TIME AS THE PROJECT HAS BEEN APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, THESE NOTES ARE NOT TO BE USED FOR ANY OTHER PROJECTS DESIGNATED BY WRITER AUTHORIZATION. |
| | JR ENGINEERING A Whiting Company Central 303-740-5538 • Colorado Springs 719-595-5588 Fax 719-595-9988 • www.jrengineering.com |
| STERLING RANCH FILING NO.2 FINAL GRADING & EROSION CONTROL PLAN | SHEET 4 OF 13 JOB NO. 25188.01 |

NO WETLANDS ARE TO BE PERMANENTLY DISTURBED PER THIS GRADING PLAN.

NO EARLY GRADING IS TO OCCUR WITHIN THE 100 YEAR FLOODPLAIN.

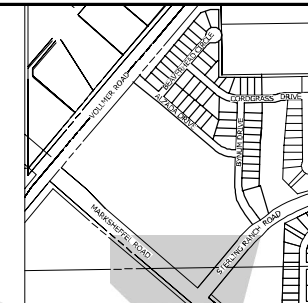
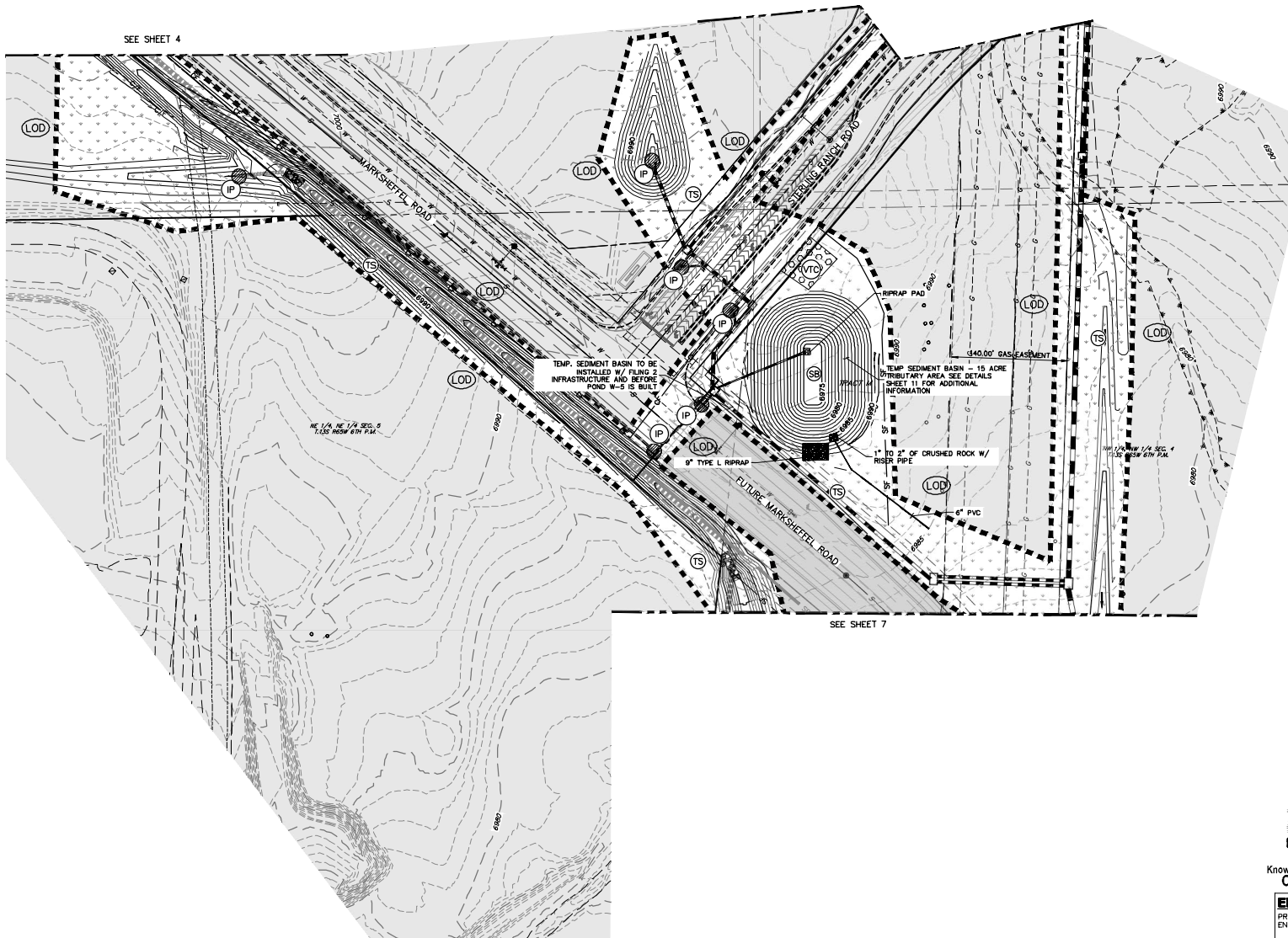
ALL TEMPORARY RIPRAP SHOWN ON THE PLANS SHALL BE TYPE 'M'. RIPRAP SHALL BE PLACED IN THE LOCATIONS INDICATED BY THE PLAN OR IN AREAS AS THE CONTRACTOR SEES FIT TO CONTROL EROSION. ALL RIPRAP SHALL BE PLACED AT A MINIMUM THICKNESS OF 1.5' DEEP.

STAGING AREA TO BE DETERMINED BY CONTRACTOR
IN THE FIELD. THE LOCATIONS SHALL BE
DELINEATED ON THIS PLAN BY THE CONTRACTOR.

THE EROSION CONTROL DELINEATED ON THIS PLAN
SHALL BE REGULARLY UPDATED BY THE
CONTRACTOR.

AREA TO BE CONSTRUCTED IN SF-20-015

SEE SHEET 4



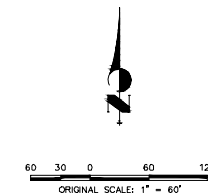
KEY MAP

SCALE: NTS

| | KEY | SYMBOL |
|---|-----|-----------------|
| CHECK DAM (INTERIM / FINAL) | CD | |
| CURB SOCK INLET PROTECTION (INITIAL / INTERIM) | CS | |
| CONCRETE WASHOUT AREA (INITIAL) | CWA | |
| DIVERSION DITCH AND DIKE, TEMPORARY (INTERIM / FINAL) | DD | |
| DIVERSION CHANNEL, TEMPORARY (INTERIM / FINAL) | DV | |
| EROSION CONTROL BLANKET (FINAL) | ECB | |
| INLET PROTECTION (INITIAL / INTERIM) | IF | |
| OUTLET PROTECTION (INITIAL / INTERIM) | OP | |
| PERMANENT SEEDING (FINAL) | PS | |
| FLOW ARROW | | |
| SEDIMENT CONTROL LOG (INITIAL / INTERIM) | SCL | |
| CUT/FILL MARK | | ----- C/F ----- |
| SILT FENCE (INITIAL) | SF | — SF — |
| CONSTRUCTION FENCE | CF | — CF — |
| STABILIZED STAGING AREA (INITIAL) | SSA | |
| TEMPORARY SEEDING (FINAL) | TS | |
| VEHICLE TRACKING CONTROL (INITIAL) | VTC | |
| SEDIMENT BASIN (INITIAL) | SB | |



Know what's **below**.
Call before you dig.



PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR.
ENGINEERING

MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF



PREPARED FOR
SR LAND, LLC
20 BOULDER CRESCENT
SUITE 201
COLORADO SPRINGS, CO 80903
JAMES F. MORLEY
(719) 471-1742

J.R. ENGINEERING
A Westlawn Company

Centennial 303-740-6333 • Colorado Springs 719-580-2583
Fort Collins 970-497-9888 • www.jrengineering.com

| H-SCALE | I"=60' | No. | REVISION | BY | DATE |
|-------------|----------|-----|----------|----|------|
| V-SCALE | N/A | | | | |
| DATE | 04/15/21 | | | | |
| DESIGNED BY | XXX | | | | |
| DRAWN BY | XXX | | | | |
| CHECKED BY | | | | | |

STERLING RANCH FILING NO.2

GRADING & EROSION
CONTROL PLAN

SHEET 5 OF 13

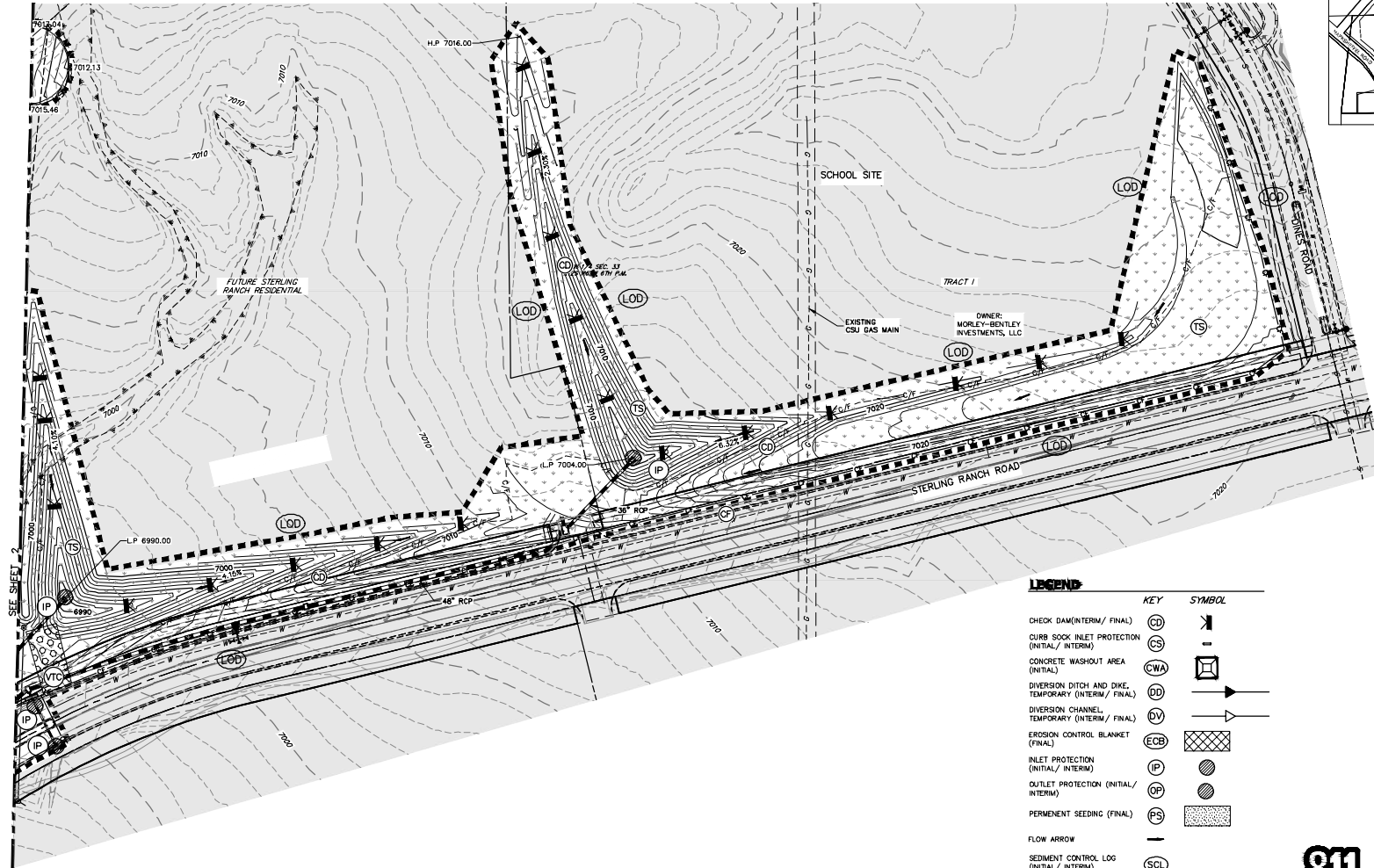
JOB NO. 25188.01

CONSTRUCTION NOTES

NO WETLANDS ARE TO BE PERMANENTLY DISTURBED PER THIS GRADING PLAN.
NO EARLY GRADING IS TO OCCUR WITHIN THE 100 YEAR FLOODPLAIN.
ALL TEMPORARY RIPRAP SHOWN ON THE PLANS SHALL BE TYPE 'M'.
RIPRAP SHALL BE PLACED IN THE LOCATIONS INDICATED BY THE PLAN OR IN AREAS AS THE CONTRACTOR SEES FIT TO CONTROL EROSION.
ALL RIPRAP SHALL BE PLACED AT A MINIMUM THICKNESS OF 1.5' DEEP.

ADDITIONAL NOTES

STAGING AREA TO BE DETERMINED BY CONTRACTOR IN THE FIELD. THE LOCATIONS SHALL BE DELINEATED ON THIS PLAN BY THE CONTRACTOR.
THE EROSION CONTROL DELINEATED ON THIS PLAN SHALL BE REGULARLY UPDATED BY THE CONTRACTOR.
AREA TO BE CONSTRUCTED IN SF-20-015



LEGEND

| KEY | SYMBOL |
|---|-------------|
| CHECK DAM (INTERIM / FINAL) | CD |
| CULVERT SOCK INLET PROTECTION (INITIAL / INTERIM) | CS |
| CONCRETE WASHOUT AREA (INITIAL) | CWA |
| DIVERSION DITCH AND DIKE, TEMPORARY (INTERIM / FINAL) | DD |
| DIVERSION CHANNEL, TEMPORARY (INTERIM / FINAL) | DV |
| EROSION CONTROL BLANKET (FINAL) | ECB |
| INLET PROTECTION (INITIAL / INTERIM) | IP |
| OUTLET PROTECTION (INITIAL / INTERIM) | OP |
| PERMANENT SEEDING (FINAL) | PS |
| FLOW ARROW | — |
| SEDIMENT CONTROL LOG (INITIAL / INTERIM) | SCL |
| CUT/FILL MARK | --- C/F --- |
| SILT FENCE (INITIAL) | SF |
| CONSTRUCTION FENCE | CF |
| STABILIZED STAGING AREA (INITIAL) | SSA |
| TEMPORARY SEEDING (FINAL) | TS |
| VEHICLE TRACKING CONTROL (INITIAL) | VTC |
| SEDIMENT BASIN (INITIAL) | SB |

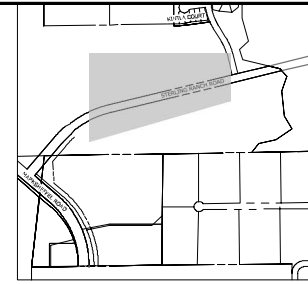


ORIGINAL SCALE: 1" = 60'

ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING

MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING, LLC



KEY MAP
SCALE: NTS

| | | | |
|--|----------|---|----------|
| PREPARED FOR | | SR LAND, LLC 20 BOULDER CRESCENT BOULDER, CO 80503 COLORADO SPRINGS, CO 80903 JAMES F. MORLEY (719) 471-1742 | |
| UNLESS OTHERWISE SPECIFIED, ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE APPROPRIATE REVENUE ENGINEERING STANDARDS AND SPECIFICATIONS. THE USER OF THESE PLANS SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY AUTHORIZATION. | | JR ENGINEERING A Whiting Company Central 303-740-5555 • Colorado Springs 719-595-2588 Fax 719-595-9888 • www.jrengineering.com | |
| BY | DATE | NO. | REVISION |
| | | 1 | 60' |
| H-SCALE | 1"=60' | N/A | |
| V-SCALE | DATE | 04/15/21 | |
| DESIGNED BY | XXX | | |
| DRAWN BY | XXX | | |
| CHECKED BY | | | |
| STERLING RANCH FILING NO.2 | | FINAL GRADING & EROSION CONTROL PLAN | |
| SHEET | 6 | OF | 13 |
| JOB NO. | 25188.01 | | |

NO WETLANDS ARE TO BE PERMANENTLY DISTURBED PER THIS GRADING PLAN.

NO EARLY GRADING IS TO OCCUR WITHIN THE 100 YEAR FLOODPLAIN.

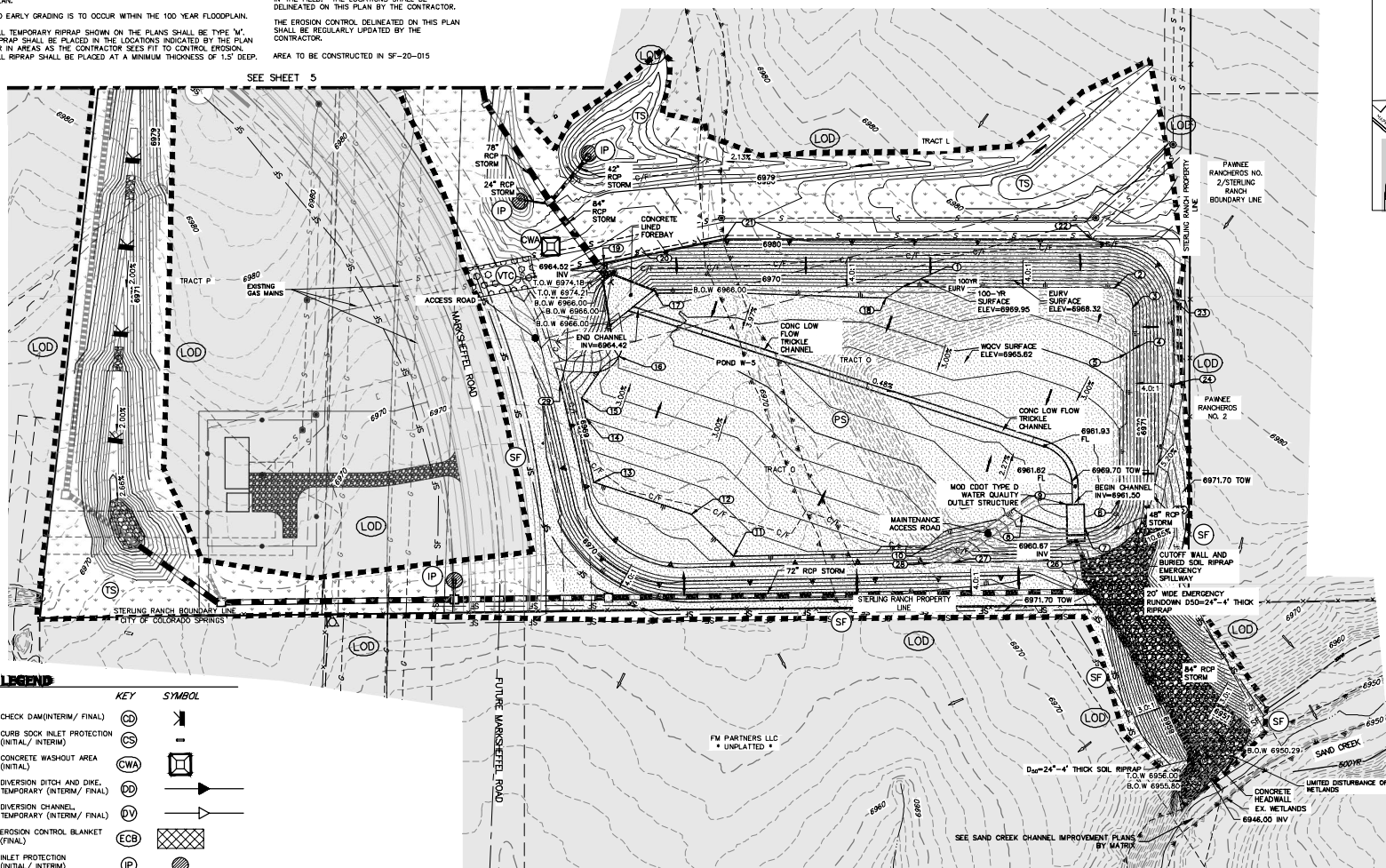
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THE EROSION CONTROL DELINEATED ON THIS PLAN
SHALL BE REGULARLY UPDATED BY THE
CONTRACTOR.

AREA TO BE CONSTRUCTED IN SF-20-015

SEE SHEET 5



| | KEY | SYMBOL |
|---|-------|-----------------|
| CHECK DAM (INTERM/ FINAL) | (CO) | |
| CURB SOCK INLET PROTECTION (INITIAL/ INTERM) | (CS) | |
| CONCRETE WASHOUT AREA | (CWA) | |
| DIVERSION DITCH AND DIKE, TEMPORARY (INTERM/ FINAL) | (DO) | |
| DIVERSION CHANNEL, TEMPORARY (INTERM/ FINAL) | (DV) | |
| EROSION CONTROL BLANKET (FINAL) | (ECB) | |
| OUTLET PROTECTION (INITIAL/ INTERM) | (IP) | |
| OUTLET PROTECTION (INITIAL/ INTERM) | (OP) | |
| PERMANENT SEEDING (FINAL) | (PS) | |
| FLOW ARROW | | |
| SEDIMENT CONTROL LOG (INITIAL/ INTERM) | (SCL) | |
| CUT/FILL MARK | | ----- C/F ----- |
| SILT FENCE (INITIAL) | (SF) | |
| CONSTRUCTION FENCE | (CF) | |
| STABILIZED STAGING AREA (INITIAL) | (SSA) | |
| TEMPORARY SEEDING (FINAL) | (TS) | |
| VEHICLE TRACKING CONTROL (INITIAL) | (VTC) | |
| SEDIMENT BASIN (INITIAL) | (SB) | |

| POINT TABULATION | | | |
|------------------|-------------|-----------------------------|-----------|
| ID NO. | DESCRIPTION | NORTHING/EASTING | ELEVATION |
| 1 | GR - TOE | N 409.330.59 E 234718.29 | 9985.00 |
| 2 | GR - TOE | N 409.332.24 E 234626.15 | 9986.01 |
| 3 | GR - TOE | N 409.306.19 E 234638.07 | 9987.98 |
| 4 | GR - TOE | N 409.258.87 E 234646.05 | 9988.01 |
| 5 | GR - TOE | N 409.253.26 E 234635.84 | 9986.00 |
| 6 | GR - TOE | N 409.088.75 E 234668.77 | 9984.00 |
| 7 | GR - TOE | N 409.032.41 E 234683.79 | 9984.00 |
| 8 | GR - TOE | N 409.067.42 E 234656.19 | 9984.00 |
| 9 | GR - TOE | N 409.074.88 E 234658.79 | 9984.00 |
| 10 | GR - TOE | N 409.033.16 E 234748.21 | 9988.00 |
| 11 | GR - TOE | N 409.021.08 E 234683.79 | 9970.00 |
| 12 | GR - TOE | N 409.068.77 E 234475.75 | 9970.00 |
| 13 | GR - TOE | N 409.053.73 E 234658.79 | 9984.00 |
| 14 | GR - TOE | N 409.178.88 E 234554.80 | 9986.00 |
| 15 | GR - TOE | N 409.072.09 E 234658.79 | 9987.97 |
| 16 | GR - TOE | N 409.498.98 E 234392.72 | 9986.00 |
| 17 | GR - TOE | N 409.326.72 E 234376.30 | 9986.32 |
| 18 | GR - TOE | N 409.387.60 E 234700.23 | 9986.00 |
| 19 | GR - TOP | N 408.559.23 E 234376.39 | 9977.61 |
| 20 | GR - TOP | N 408.370.91 E 234419.36 | 9976.90 |
| 21 | GR - TOP | N 409.834.21 E 234513.21 | 9983.23 |
| 22 | GR - TOP | N 409.858.74 E 234363.25 | 9981.82 |
| 23 | GR - TOP | N 409.316.18 E 236530.15 | 9980.00 |
| 24 | GR - TOP | N 409.177.86 E 235030.90 | 9976.46 |
| 25 | GR - TOP | N 409.089.67 E 235068.64 | 9972.08 |
| 26 | GR - TOP | N 409.161.69 E 234973.19 | 9971.80 |
| 27 | GR - TOP | N 409.013.69 E 234777.86 | 9972.00 |
| 28 | GR - TOP | N 409.031.21 E 234750.66 | 9972.00 |
| 29 | GR - TOP | N 409.291.18 E 234324.80 | 9972.25 |
| 30 | GR - TOP | N 409.326.96 E 234750.66 | 9976.41 |

PREPARED FOR
SR LAND, LLC
BOULDER CRESCENT
SUITE 201
000 SPRINGS, CO 80903
JAMES F. MORLEY
(719) 471-1742

J.R. ENGINEERING
A Westlawn Company

 Centennial 303-740-9333 • Colorado Springs 719-590-2583
Fort Collins 970-497-9888 • www.jrengineering.com

| H-SCALE | | No. | REVISION | BY | DATE |
|-------------|----------|-----|----------|----|------|
| 1"=60' | | | | | |
| V-SCALE | N/A | | | | |
| DATE | 04/15/21 | | | | |
| DESIGNED BY | XXX | | | | |
| DRAWN BY | XXX | | | | |
| CHECKED BY | | | | | |

| | |
|---|----------|
| STERLING RANCH FILING NO.2 | |
| FINAL GRADING & EROSION CONTROL PLAN | |
| SHEET 7 OF 13 | |
| JOB NO. | 25188.01 |

ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR
ENGINEERING

MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING, LLC

811
Know what's below.
Call before you dig.

LEGEND

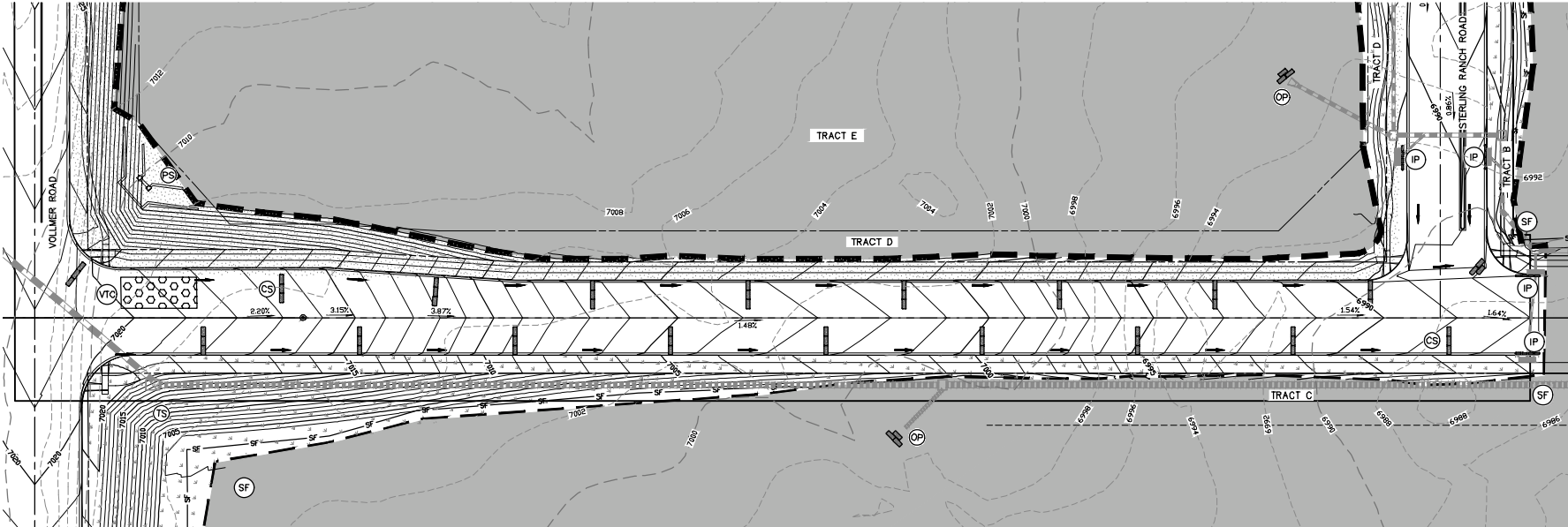
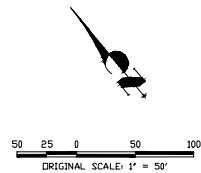
| KEY | SYMBOL |
|---|-------------|
| CHECK DAM (INTERM/ FINAL) | CD |
| CURB SOCK INLET PROTECTION (INITIAL/ INTERM) | CS |
| CONCRETE WASHOUT AREA (INITIAL) | CWA |
| DIVERSION DITCH AND DIKE, TEMPORARY (INTERM/ FINAL) | DD |
| DIVERSION CHANNEL, TEMPORARY (INTERM/ FINAL) | DV |
| EROSION CONTROL BLANKET (FINAL) | ECB |
| INLET PROTECTION (INITIAL/ INTERM) | IP |
| OUTLET PROTECTION (INITIAL/ INTERM) | OP |
| PERMMENT SEEDING (FINAL) | PS |
| FLOW ARROW | — |
| SEDIMENT CONTROL LOG (INITIAL/ INTERM) | SCL |
| CUT/FILL MARK | --- C/F --- |
| SILT FENCE (INITIAL) | SF — SF — |
| CONSTRUCTION FENCE | CF — CF — |
| STABILIZED STAGING AREA (INITIAL) | SSA |
| TEMPORARY SEEDING (FINAL) | TS |
| VEHICLE TRACKING CONTROL (INITIAL) | VTC |
| SEDIMENT BASIN (INITIAL) | SB |

CONSTRUCTION NOTES

NO WETLANDS ARE TO BE PERMANENTLY DISTURBED PER THIS GRADING PLAN.
 NO EARLY GRADING IS TO OCCUR WITHIN THE 100 YEAR FLOODPLAIN.
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ADDITIONAL NOTES


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 THE EROSION CONTROL DELINEATED ON THIS PLAN SHALL BE REGULARLY UPDATED BY THE CONTRACTOR.
 EXISTING VEGETATION IS NATIVE MEADOW GRASS (APPROXIMATELY 75% COVERAGE).
 NO ASPHALT OR CONCRETE BATCH PLANTS WILL BE UTILIZED ON-SITE.
 AREA TO BE CONSTRUCTED IN CR-20-005



ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING
 MIKE A. BRAMLETT, P.E.
 COLORADO P.E. 32314
 FOR AND ON BEHALF OF JR ENGINEERING, L.L.C.
 DATE



| | | | | | | | | | | | | |
|---|---|---------|--------|--------------|---------|----------|----------|------|--|--|---|---|
| STERLING RANCH FILING NO.2 | | H-SCALE | 1"=50' | NO. REVISION | | BY | | DATE | | <div>JR ENGINEERING A Whiting Company</div> <div>Ordered 333-762-6598 • Colorado Springs 761-591-2563 For Call 970-491-9988 • www.jrengineering.com</div> | PREPARED FOR SR LAND, LLC 20 BOULDER CRESCENT BOULDER, CO 80501 COLORADO SPRINGS, CO 80903 JAMES F. MORLEY (719) 471-1742 | UNTIL SUCH TIME AS THE GRADING AND EROSION CONTROL PLAN IS APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, THESE PLANS ARE NOT TO BE USED FOR CONSTRUCTION. ANY CHANGES TO THESE PLANS MUST BE DESIGNATED BY WRITTEN AUTHORIZATION. |
| FINAL GRADING & EROSION CONTROL PLAN | | V-SCALE | | N/A | | 04/15/21 | | | | | | |
| DESIGNED BY | | RAB | | CHECKED BY | | KRW | | | | | | |
| DRAWN BY | | KRW | | DATE | | | | | | | | |
| SHEET | 8 | OF | | 13 | JOB NO. | | 25188.01 | | | | | |

NO WETLANDS ARE TO BE PERMANENTLY DISTURBED PER THIS GRADING PLAN.

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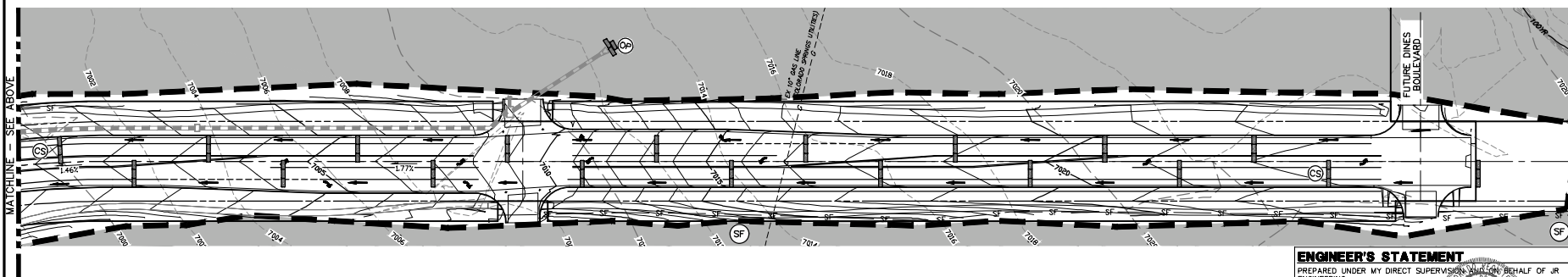
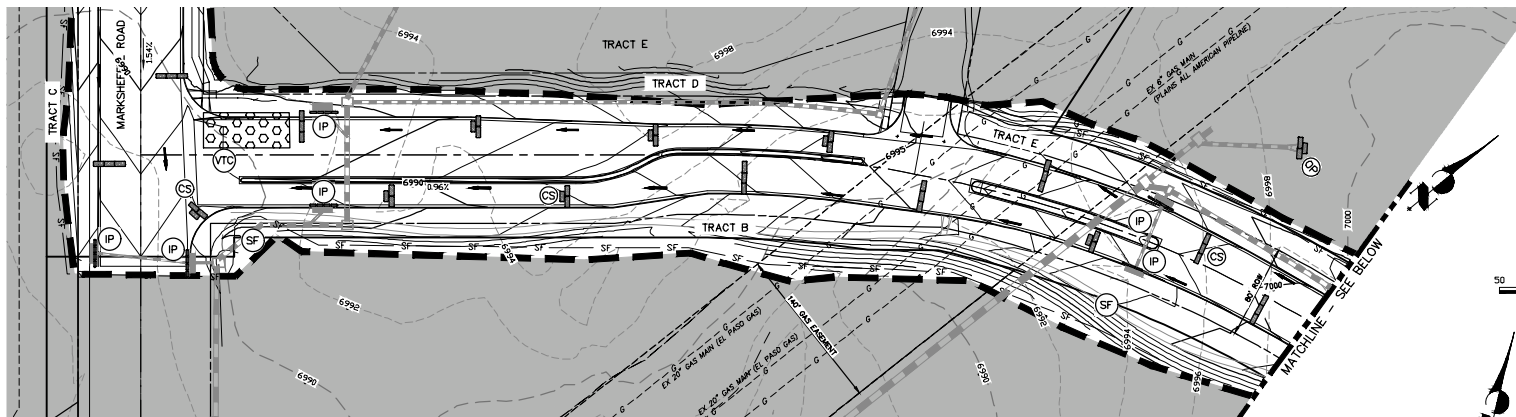
EXISTING VEGETATION IS NATIVE MEADOW GRASS (APPROXIMATELY 75% COVERAGE).

NO ASPHALT OR CONCRETE BATCH PLANTS WILL BE UTILIZED ONSITE.

USE J-HOOKS ON SILT FENCE TO ENSURE IT DOES NOT CREATE CONCENTRATED FLOW

AREA TO BE CONSTRUCTED IN SE-20-015

EXCAVATION AND/OR CONSTRUCTION PROHIBITED
WITHOUT COMPLIANCE WITH STATE ONE-CALL, AND
WITHOUT WRITTEN PERMISSION FROM
MAGELLAN PIPELINE COMPANY, L.P.



| | KEY | SYMBOL |
|---|-----|-----------------|
| CHECK DAM (INTERIM / FINAL) | CS | |
| CURB SLOK INLET PROTECTION (INITIAL / INTERIM) | CD | |
| CONCRETE WASHOUT AREA (INITIAL) | CWA | |
| DIVERSION DITCH AND DIKE, TEMPORARY (INTERIM / FINAL) | DD | |
| DIVERSION CHANNEL, TEMPORARY (INTERIM / FINAL) | DV | |
| EROSION CONTROL BLANKET (FINAL) | ECB | |
| INLET PROTECTION (INITIAL / INTERIM) | IP | |
| OUTLET PROTECTION (INITIAL / INTERIM) | OP | |
| PERMANENT SEEDING (FINAL) | PS | |
| FLOW ARROW | | |
| SEDIMENT CONTROL LOG (INITIAL / INTERIM) | SCL | |
| CUT/FILL MARK | | ----- C/F ----- |
| SILT FENCE (INITIAL) | SF | ----- SF ----- |
| CONSTRUCTION FENCE | CF | ----- CF ----- |
| STABILIZED STAGING AREA (INITIAL) | SSA | |
| TEMPORARY SEEDING (FINAL) | TS | |
| VEHICLE TRACKING CONTROL (INITIAL) | VC | |
| SEDIMENT BASIN (INITIAL) | SB | |

50 25 0 50 100
ORIGINAL SCALE: 1" = 50'

PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR
ENGINEERING

MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF

MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING, LLC

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USE ONLY FOR THE PURPOSES DESIGNATED BY WRITTEN AUTHORIZATION.

PREPARED FOR
SR LAND, LLC
20 BOULDER CRESCENT
SUITE 201
COLORADO SPRINGS, CO 80903
JAMES F. MORLEY

J.R. ENGINEERING
A Westlin Company

Centennial 303-740-6333 • Colorado Springs 719-535-2538
Fort Collins 970-491-9888 • www.jrengineer.com

| H-SCALE | AS NOTED | NO. | REVISION | BY | DATE |
|-------------|----------|-----|----------|----|------|
| V-SCALE | N/A | | | | |
| DATE | 04/15/21 | | | | |
| DESIGNED BY | RAB | | | | |
| DRAWN BY | KRW | | | | |

STERLING RANCH FILING
NO.2
FINAL GRADING & EROSION
CONTROL PLAN

| | | | |
|---------|---------|----|----|
| SHEET | 9 | OF | 13 |
| JOB NO. | 25188.0 | | |

LEGEND

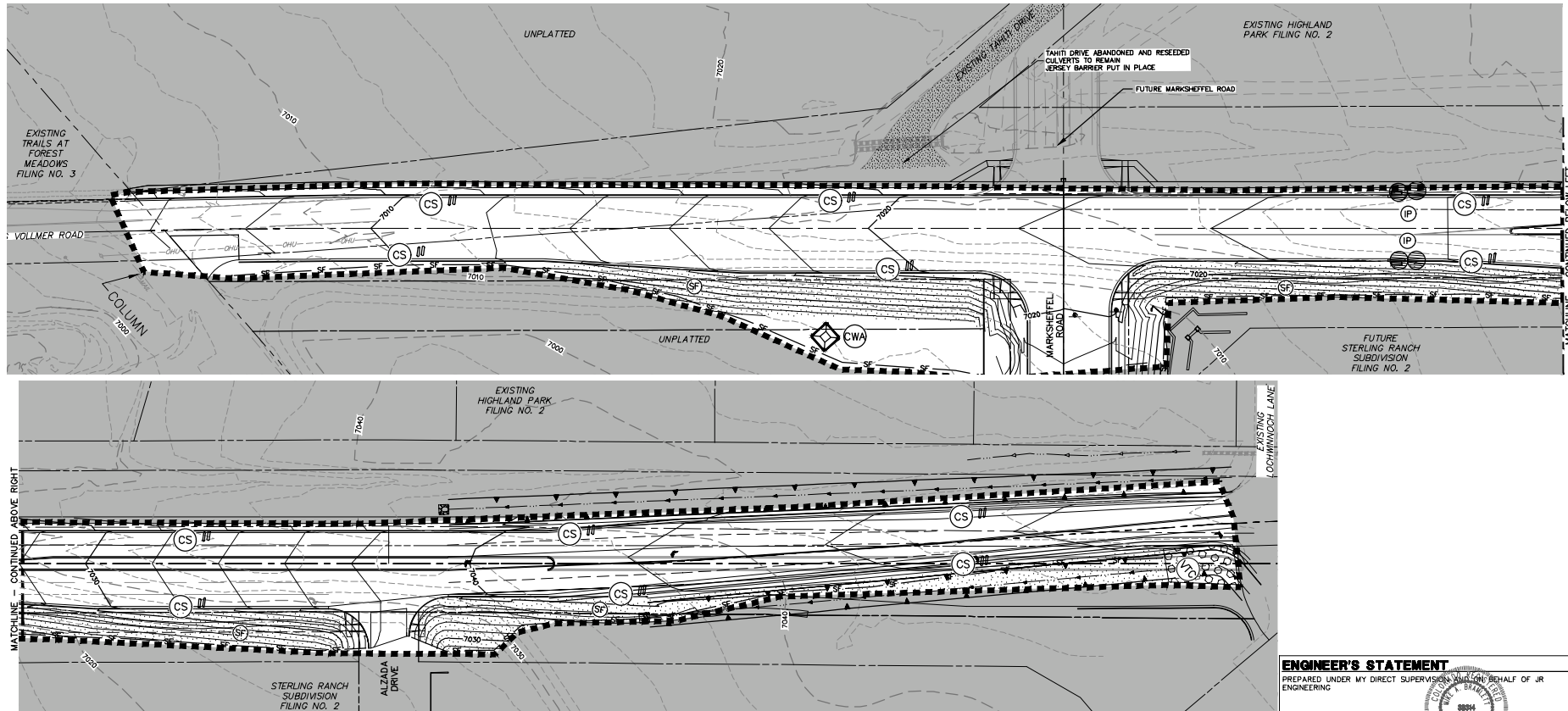
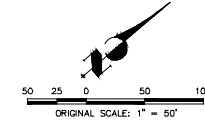
| | | | | |
|--|-----|--------|------------------------------------|-----|
| CHECK DAM (INTERM./ FINAL) | CD | SYMBOL | STABILIZED STAGING AREA (INITIAL) | SSA |
| CURB SOCK INLET PROTECTION (INITIAL/ INTERM) | CS | | TEMPORARY SEEDING (FINAL) | TS |
| CONCRETE WASHOUT AREA (INITIAL) | CWA | | VEHICLE TRACKING CONTROL (INITIAL) | VTC |
| DIVERSION DITCH AND DIKE, TEMPORARY (INTERM./ FINAL) | DD | | SEDIMENT BASIN (INITIAL) | SB |
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| PERMANENT SEEDING (FINAL) | PS | | | |
| FLOW ARROW | | | | |
| SEDIMENT CONTROL LOG (INITIAL/ INTERM) | SCL | | | |
| CUT/FILL MARK | | | | |
| SILT FENCE (INITIAL) | SF | | | |
| CONSTRUCTION FENCE | CF | | | |

CONSTRUCTION NOTES

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 AREA TO BE CONSTRUCTED IN SF-20-015



ENGINEER'S STATEMENT

PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING

MIKE A. BRAMLETT, P.E.
 COLORADO P.E. 32314
 FOR AND ON BEHALF OF JR ENGINEERING, LLC



PREPARED FOR
 SR LAND, LLC
 20 BOULDER CRESCENT
 BOULDER, CO 80501
 COLORADO SPRINGS, CO 80903
 JAMES F. MORLEY
 (719) 471-1742

JR ENGINEERING
 A Wetzel Company
 Central 303-740-8338 • Colorado Springs 719-595-2588
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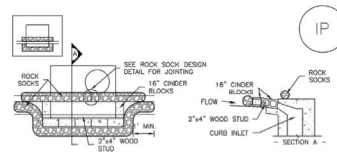
| No. | REVISION | DATE |
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| | | |
| | | |
| | | |
| | | |

| H-Scale | 1"=50' |
|-------------|----------|
| V-Scale | N/A |
| DATE | 04/15/21 |
| DESIGNED BY | RAB |
| DRAWN BY | KRW |
| CHECKED BY | |

STERLING RANCH FILING NO. 2
 FINAL GRADING & EROSION CONTROL PLAN

SHEET 10 OF 13
 JOB NO. 25188.01

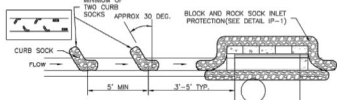
Inlet Protection (IP)



IP-1. BLOCK AND ROCK SOCK SUMP OR ON GRADE
INLET PROTECTION

BLOCK AND CURB SOCK INLET PROTECTION INSTALLATION NOTES

1. SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
2. CONCRETE "CINDER" BLOCKS SHALL BE LAID ON THEIR SIDES AROUND THE INLET IN A SINGLE ROW, ABUTTING ONE ANOTHER WITH THE OPEN END FACING AWAY FROM THE CURB.
3. GRAVEL BAGS SHALL BE PLACED AROUND CONCRETE BLOCKS, CLOSELY ABUTTING ONE ANOTHER AND JOINED TOGETHER IN ACCORDANCE WITH ROCK SOCK DESIGN DETAIL.



IP-2. CURB ROCK SOCKS UPSTREAM OF
INLET PROTECTION

CURB ROCK SOCK INLET PROTECTION INSTALLATION NOTES

1. SEE ROCK SOCK DESIGN DETAIL INSTALLATION REQUIREMENTS.
2. PLACEMENT OF THE SOCK SHALL BE APPROXIMATELY 30 DEGREES FROM PERPENDICULAR IN THE OPPOSITE DIRECTION OF FLOW.
3. SOCKS ARE TO BE FLUSH WITH THE CURB AND SPACED A MINIMUM OF 3 FEET APART.
4. AT LEAST TWO CURB SOCKS IN SERIES ARE REQUIRED UPSTREAM OF ON-GRADE INLETS

IP-4
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Inlet Protection (IP)

GENERAL INLET PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
 - LOCATION OF INLET PROTECTION.
 - TYPE OF INLET PROTECTION (IP-1, IP-2, IP-3, IP-4, IP-5, IP-6)
2. INLET PROTECTION SHALL BE INSTALLED PROMPTLY AFTER INLET CONSTRUCTION OR PAVING IS COMPLETE (TYPICALLY WITHIN 48 HOURS). IF A RAINFALL/RUNOFF EVENT IS FORECAST, INSTALL INLET PROTECTION PRIOR TO ONSET OF EVENT.
3. MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCO STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

INLET PROTECTION MAINTENANCE NOTES

1. INSPECT BMPs EACH MORNING, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROGNOSTIC, NOT REACTIVE. INSPECT BMPs AS SOON AS PROBLEMS ARE DETECTED. CORRECT PROBLEMS IMMEDIATELY. REPAIRS SHOULD INCLUDE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION, AND MAINTENANCE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. CORRECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHEN BMPs ARE DAMAGED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. SEDIMENT ACCUMULATED UPSTREAM OF INLET PROTECTION SHALL BE REMOVED AS NECESSARY TO MAINTAIN PROTECTION. WHEN SEDIMENT HAS ACCUMULATED AND REACHED 50% OF CAPACITY, A DEPTH OF 6" WHEN SILT FENCE IS USED, OR 4" OF THE HOIGHT FOR OTHER TYPES OF INLET PROTECTION.
5. INLET PROTECTION IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS PERMANENTLY STABILIZED. UNLESS THE LOCAL JURISDICTION APPROVES EARLY REMOVAL OF INLET PROTECTION.
6. WHEN INLET PROTECTION AT AREA INLET IS REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOP SOIL, SEEDED AND MULCHED, OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

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

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

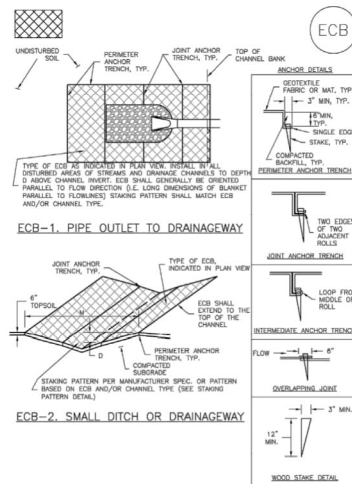
NOTE: THE DETAILS INCLUDED WITH THIS FACT SHEET SHOW COMMONLY USED, CONVENTIONAL METHODS OF INLET PROTECTION IN THE DENVER METROPOLITAN AREA. THERE ARE MANY PROPRIETARY INLET PROTECTION METHODS ON THE MARKET. UDFCD NEITHER ENDORSES NOR DISCOURAGES USE OF PROPRIETARY INLET PROTECTION; HOWEVER, IN THE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

NOTE: SOME MUNICIPALITIES DISCOURAGE OR PROHIBIT THE USE OF STRAW BALES FOR INLET PROTECTION. CHECK WITH LOCAL JURISDICTION TO DETERMINE IF STRAW BALE INLET PROTECTION IS ACCEPTABLE.

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Rolled Erosion Control Products (RECP)



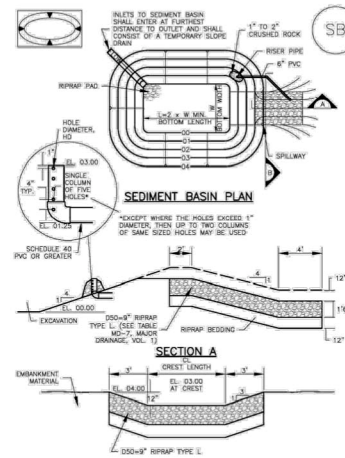
ECB-1. PIPE OUTLET TO DRAINAGEWAY

JOINT ANCHOR TYPE OF ECB,

ECB-2, SMALL DITCH OR DRAINAGEWAY

RECP-6 Urban Drainage and Flood Control District November 2010
Urban Storm Drainage Criteria Manual Volume 3

SC-7

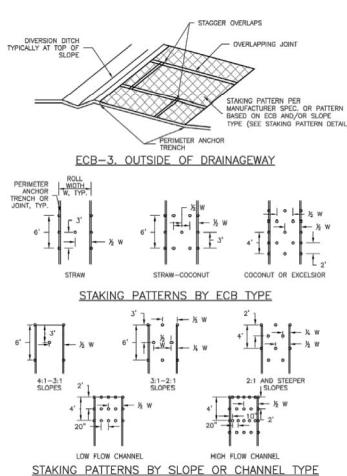


SEDIMENT BASIN PLAN

SECTION A

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

EC-6



ECB-3, OUTSIDE OF DRAINAGEWAY

STAKING PATTERNS BY ECB TYPE

STAKING PATTERNS BY SLOPE OR CHANNEL TYPE

November 2010 Urban Drainage and Flood Control District REC-7
Urban Storm Drainage Criteria Manual Volume 3

Sediment Basin (SB)

| Upstream Drainage Area (rounded to nearest acre), (ac) | Basin Bottom Width (W), (ft) | Spillway Crest Length (L), (ft) | Head of Sediment (HD), (in) |
|--|------------------------------|---------------------------------|-----------------------------|
| 1 | 12 $\frac{1}{2}$ | 2 | $\frac{9}{16}$ |
| 2 | 21 | 3 | $\frac{1}{8}$ |
| 3 | 28 | 5 | $\frac{7}{16}$ |
| 4 | 33 $\frac{1}{2}$ | 6 | $\frac{9}{16}$ |
| 5 | 38 $\frac{1}{2}$ | 8 | $\frac{7}{16}$ |
| 6 | 43 | 9 | $\frac{1}{8}$ |
| 8 | 47 $\frac{1}{2}$ | 11 | $\frac{1}{16}$ |
| 9 | 51 | 12 | $\frac{1}{8}$ |
| 10 | 56 $\frac{1}{2}$ | 13 | $\frac{1}{16}$ |
| 11 | 61 | 15 | $\frac{1}{8}$ |
| 12 | 64 | 16 | $\frac{1}{16}$ |
| 13 | 67 $\frac{1}{2}$ | 19 | $\frac{1}{8}$ |
| 14 | 70 $\frac{1}{2}$ | 21 | $\frac{1}{16}$ |
| 15 | 73 $\frac{1}{2}$ | 22 | $\frac{1}{8}$ |

SEDIMENT BASIN INSTALLATION NOTES

- SEE PLAN VIEW FOR:
 - LOCATION OF SEDIMENT BASIN.
 - TYPE BASIN (STANDARD BASIN OR NONSTANDARD BASIN).
 - FOR STANDARD BASIN, BOTTOM WIDTH W, CREST LENGTH L, C, AND HOLE D.
 - FOR NONSTANDARD BASIN, SEE CONSTRUCTION DRAWINGS FOR DESIGN OF BASIN.
 - FOR STANDARD BASIN, HEIGHT H, NUMBER OF COLUMNS N, LONG DIMENSION L AND PIPE SPACING S.
- FOR NONSTANDARD BASIN, BOTTOM DRAINAGE MAY BE MODIFIED AS LONG AS DRAINAGE IS NOT IMPAIRED.
- SEDIMENT BASIN SHALL BE INSTALLED PRIOR TO ANY OTHER LONG-DURATION ACTIVITY ON THE PROJECT.
- EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, A ROCKS OR CONCRETE GREATER THAN 3" INDIES AND SHALL HAVE A MINIMUM OF 15% MOISTURE.
- EMBANKMENT MATERIAL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY IN EACH LIFT.
- PIPE SIZE 4" OR GREATER SHALL BE USED.
- THE DETAILS SHOWN ON THESE SHEETS PERTAIN TO STANDARD SEDIMENT BASINS (FOR DRAINAGE AREAS LESS THAN 15 ACRES). SEE CONSTRUCTION DRAWINGS FOR NONSTANDARD BASINS.
- FOR DRAINAGE BASINS THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAINAGE AREAS, THE DETAILS SHOWN ON THESE SHEETS SHALL BE USED.

SB-6
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UNTIL SUCH TIME AS
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PREPARED FOR
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20 BOULDER CRESCENT
SUITE 201
COLORADO SPRINGS, CO 80903
JAMES F. MORLEY
(719) 471-1742

J.R. ENGINEERING
A Westlun Company

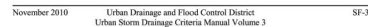
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Fort Collins 970-497-9888 • www.jrengineering.com

| SHEET | NO. | DATE | BY | DATE |
|--------------------------------------|-------|----------|-------|------|
| 11 | OF 13 | 04/15/21 | | |
| STERLING RANCH FILING NO.2 | | | | |
| FINAL GRADING & EROSION CONTROL PLAN | | | | |
| H-SCALE | | V-SCALE | I"=X' | |
| DESIGNED BY | | XXX | | |
| DRAWN BY | | XXX | | |
| CHECKED BY | | | | |
| JOB NO. | | 25188.01 | | |

SHEET 11 OF 13

JOB NO. 25188.01

SC-1



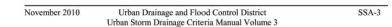
Silt Fence (SF)

- SF-4 Urban Drainage and Flood Control District November 2010
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- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

SM-6



Stockpile Management (SP) **MM-2**



Stockpile Management (SP) **MM-2**



| MM-2 | Stockpile Management (SM) |
|------|---------------------------|
|------|---------------------------|

- SM-6** **Stabilized Staging Area (SSA)**

| STERLING RANCH FILING NO.2 | | H-SCALE 1"=X'X' | | V-SCALE 1"=X' | | DATE | | BY | | No. REVISION | |
|---|--|--------------------|--|------------------|--|-------------|--|-----|--|--------------|--|
| FINAL GRADING & EROSION CONTROL PLAN | | DATE | | 04/15/21 | | DESIGNED BY | | XXX | | | |
| DRAWN BY | | XXX | | | | CHECKED BY | | | | | |
| SHEET | | 12 | | OF | | 13 | | | | | |
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