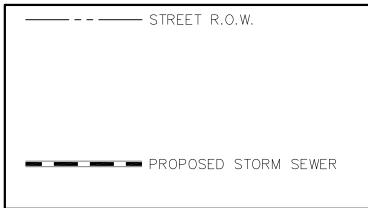


LEGEND



WATER / SANITARY WIDEFIELD WATER AND SANITATION DISTRICT 8495 FONTAINE BLVD. COLORADO SPRINGS, CO 80925 719-390-7111

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

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

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

TELEPHONE CENTURYLINK

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

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

EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT 2880 INTERNATIONAL CIRCLE COLORADO SPRINGS, CO 80910 719-520-6300

BASIS OF BEARING

BEARINGS ARE BASED ON THE SOUTH LINE OF THE NORTH HALF OF SECTION 23, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN AS BEING SOUTH 8941'52" WEST. THE EAST QUARTER CORNER OF SAID SECTION 23 IS A FOUND 3-1/2" ALUMINUM CAP MONUMENT AND THE WEST QUARTER CORNER OF SAID SECTION 23 IS A FOUND 2-1/2" ALUMINUM CAP MONUMENT

BENCHMARK

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

TRAFFIC CONTROL NOTE

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

FINAL SITE GRADING CONSTRUCTION PLANS FOR

LORSON RANCH EAST FILING NO. 1

FINAL GRADING / EROSION CONTROL PLANS

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

PREPARED BY: CORE ENGINEERING GROUP 15004 1ST AVENUE S. BURNSVILLE, MN 55306 719-570-1100 CONTACT: RICHARD L. SCHINDLER P.E.

| SHEET INDEX | | |
|-----------------------------|---|--|
| SHEET NO. SHEET DESCRIPTION | | |
| C0.1 | COVER SHEET | |
| C0.2 | NOTES (GENERAL, GRADING, EROSION CONTROL) | |
| C0.3 | TYPICAL SECTIONS | |
| C4.1 ~ C4.3 | FINAL GRADING AND EROSION CONTROL PLAN | |
| C4.4 ~ C4.5 | POND GRADING | |
| C12.1 ~ C12.2 | DETAILS | |
| | | |
| | | |
| | | |
| | | |

DEVELOPER'S STATEMENT

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

BUSINESS NAME LORSON, LLC

| BY | JEFF MARK |
|---------|-----------|
| TITIF | MANAGER |
| | 212 N. |
| ADDRESS | COLOR |
| | |

CONSTRUCTION APPROVAL

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

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUALS VOLUME 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED. CONSTRUCTION DOCUMENTS WILL BE VALID FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER.

CONDITIONS:

fix typo –

800

ENGINEER'S APPROVAL

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 RESPONSIB9IUTY FOR ANY NEGLIGENT ACTS, ERRORS, OR OMISSIONS ON MY PART IN PREPARING THIS PLAN

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

 \sim SF-18XX

mm

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

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

_____ DATE

. WAHSATCH AVE. SUITE 301 RADO SPRINGS, CO 80903

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

DATE

| COVER SHEET COVER SHEET FINAL GRADING AND FINAL GRADING AND FINAL GRADING AND FOR STANDAR CON RANCH EAST FOR STANDAR CON RANCH FAST FOR STANDAR FAST FOR STANDAR CON RANCH FAST FOR STANDAR FAST FOR STANDAR FAST FOR STANDAR FAST FOR STANDA | CORE | ENGINEERING GROUP | |
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| ND DRAWN: RLS DESIGNED: RLS CHECKED: RLS COLORADO SPRINGS, COLORADO PLAN 4 FONTAINE BLVDOLD GLORY DR FONTAINE BLVDOLD GLORY DR COLORADO SPRINGS, COLORADO COLORADO SPRINGS, COLORADO | DATE | | LORSON, LLC LORSON, LLC 2 N. WAHSATCH AVE, SUITE 301 RADO SPRINGS, COLORADO 80903 (719) 635-3200 CONTACT: JEFF MARK |
| DRAWN: RLS DESIGNED: RLS CHECKED: RLS NAVIN RLS NAVIN RLS | DESCRIPT | | SON RANCH EAST FILING NO. 1 NTAINE BLVDOLD GLORY DR LORADO SPRINGS, COLORADO |
| | DRAWN: DESIGNEI | RLS): RLS | |
| | ER SHEET | | - |

CONSTRUCTION NOTES

- 1. ALL WORK SHALL COMPLY WITH THE CODES AND POLICIES FOR EL PASO COUNTY.
- 2. EXISTING TOPOGRAPHIC INFORMATION SHOWN ON THIS GRADING PLAN WAS OBTAINED FROM AERIAL CONTOURS AND PREVIOUS CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE TO EXAMINE THE SITE AND BE FAMILIAR WITH THE EXISTING CONDITIONS.
- 3. DEPTH OF MOISTURE-DENSITY CONTROL FOR THIS PROJECT SHALL BE AS FOLLOWS: BASE OF ALL CUTS AND FILLS - 12 INCHES, FULL DEPTH OF ALL EMBANKMENTS
- 4. THE CONTRACTOR IS RESPONSIBLE FOR THE RE-ESTABLISHMENT OF ALL SURVEY MONUMENTS DISTURBED WITHIN THE PROJECT LIMITS.
- 5. THE CONTRACTOR SHALL PROTECT ALL WORK AREAS AND FACILITIES FROM FLOODING AT ALL TIMES. AREAS AND FACILITIES SUBJECTED TO FLOODING, REGARDLESS OF THE SOURCE OF WATER, SHALL BE PROMPTLY DEWATERED AND RESTORED.
- 6. PRIOR TO PAVING OPERATIONS, THE ENTIRE SUBGRADE SHALL BE PROOF-ROLLED WITH A LOADED 988 FRONT-END LOADER OR SIMILAR HEAVY RUBBER TIRED VEHICLE (GVW OF 50,000 POUNDS WITH 18 KIP PER AXLE AT TIRE PRESSURES OF 90 PSI) TO DETECT ANY SOFT OR LOOSE AREAS. IN AREAS WHERE SOFT OR LOOSE SOILS, PUMPING OR EXCESSIVE MOVEMENT IS OBSERVED, THE EXPOSED MATERIALS SHALL BE OVER-EXCAVATED TO A MINIMUM DEPTH OF TWO FEET BELOW PROPOSED FINAL GRADE OR TO A DEPTH AT WHICH SOILS ARE STABLE. AFTER THIS HAS BEEN COMPLETED, THE EXPOSED MATERIALS SHALL BE SCARIFIED TO A DEPTH OF 12 INCHES AND MOISTURE CONDITIONED. THE SUBGRADE SHALL THEN BE UNIFORMLY COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR DENSITY (ASTMM D-698) AT 0 TO +4.0% OF OPTIMUM MOISTURE CONTENT FOR A-6 AND A-7-6 SOILS ENCOUNTERED. OTHER SUBGRADE TYPES SHALL BE UNIFORMLY COMPACTED TO A MINIMUM OF 95% OF MODIFIED PROCTOR DENSITY (ASTM D-1557) AT PLUS OR MINUS 2.0% OF OPTIMUM MOISTURE CONTENT. AREAS WHERE STABLE NATURAL SOILS ARE ENCOUNTERED AT PROPOSED SUBGRADE ELEVATION SHALL ALSO BE SCARIFIED (18 INCHES FOR A-7-6 SOILS BELOW FULL-DEPTH ASPHALT CONCRETE) AND COMPACTED AS OUTLINED ABOVE PRIOR TO PAVING OPERATIONS. SUBGRADE FILL SHALL BE PLACED IN SIX-INCH LIFTS AND UNIFORMLY COMPACTED, MEETING THE REQUIREMENTS AS PREVIOUSLY DESCRIBED.
- 7. SUBGRADE MATERIALS DEEMED UNSUITABLE BY THE ENGINEER SHALL BE EXCAVATED, DISPOSED OF AND REPLACED WITH APPROVED MATERIALS.
- 8. FILL SHALL BE PLACED IN 8-INCH MAXIMUM LOOSE LIFTS AND SHALL BE COMPACTED PRIOR TO SUCCESSIVE LIFTS.

9. THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING AND CONTROLLING EROSION DURING CONSTRUCTION ACTIVITIES AT ALL TIMES DURING GRADING AND CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE THE FOLLOWING EROSION AND SEDIMENT CONTROL MEASURES:

- HAY BALE BARRIERS WHERE NEEDED AND/OR AS DIRECTED BY THE ENGINEER.
- SILT FENCE WHERE NEEDED AND/OR AS DIRECTED BY THE ENGINEER.
- TEMPORARY SEDIMENTATION BASINS WHERE NEEDED AND/OR AS DIRECTED BY THE ENGINEER.
- MULCHING AND SEEDING OF EXCESSIVE SLOPED AREAS AS NEEDED OR AS DIRECTED BY THE ENGINEER.
- TEMPORARY VEHICLE TRACKING CONTROL AS NEEDED AND/OR DIRECTED BY THE ENGINEER.
- CONCRETE WASH AREAS.

- INLET PROTECTION.

THESE AND ALL EROSION CONTROL BEST MANAGEMENT PRACTICES AS SHOWN IN THE GRADING AND EROSION CONTROL PLANS SHALL BE STRICTLY ADHERED TO.

10. FINISHED CONTOURS/SPOT ELEVATIONS SHOWN HEREON REPRESENT FINISHED GRADES. ALL PAVEMENT SUBGRADES ARE BASED ON THE COMPOSITE ASPHALT PAVEMENT RECOMMENDATIONS MADE IN THE "GEOTECHNICAL STUDY" FOR THIS PROJECT.

11. ALL GRADING SHALL CONFORM TO THE GEOTECHICAL RECOMMENDATIONS FOR LORSON RANCH EAST PREPARED BY RMG, "PRELIMINARY SOILS AND GEOLOGY FOR LORSON RANCH EAST", DATED SEPTEMBER 7, 2016. CONSTRUCTION OF DETENTION PONDS SHALL CONFORM TO THE GEOTECHNICAL RECOMMENDATIONS IN A REPORT BY RMG TITLED "LORSON RANCH EAST DETENTION PONDS" DATED NOVEMBER 28, 2017. THIS INCLUDES POND OUTFALL DESIGN, KEY-IN, AND SLOPE/EMBANKMENT COMPACTION REQUIREMENTS.

12. THERE MAY BE SOME TOPSOIL WITHIN LORSON RANCH EAST THAT IS NOT SUITABLE FOR RE-USE. CONTRACTOR SHALL AMEND THE TOPSOIL AS NECESSARY AND RE-SPREAD IN ACCORDANCE WITH THE GEOTECHNICAL RECOMMENDATIONS. IF TOPSOIL CANNOT BE AMENDED IT SHALL BE USED AS FILL WHERE NO FUTURE STRUCTURES OR ROADS WILL BE BUILT.

WORK WITHIN CSU SOUTHERN DELIVERY SYSTEM EASEMENT CONSTRUCTION NOTES

1. CONTRACTOR SHALL COMPLY WITH CSU LESS 2.6.H.8 "CROSSING RAW WATER TRANSMISSION MAINS" FOR ALL WORK WITHIN THE CSU WATERMAIN EASEMENT

2. UTILITIES CROSSING OVER THE SDS WATERMAIN MUST BE POTHOLED WITH HYDRO-VAC AT EVERY CROSSING TO OBTAIN VISUAL VERIFICATIN OF THE WATERMAIN ELEVATION.

3. A COLORADO SPRINGS UTILITIES WATER INSPECTOR SHALL BE NOTIFIED, 719-668-4658, AND PRESENT BEFORE AND DURING CONSTRUCTION ACTIVITIES WITHIN THE SDS EASEMENT

4. CONTACT WAYNE RUST, 719-668-3996, COLORADO SPRINGS UTILITIES, FOR ADDITIONAL INFORMATION REGARDING THE SDS FIBER LINE.

5. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 5' OF COVER OVER THE SDS WATERMAIN.

6. CONTRACTOR SHALL SALVAGE AND REPLACE ALL CARSONITE WATER MARKERS OVER THE WATERMAIN AFTER CONSTRUCTION.

- CRITERIA.

STANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS

EL PASO COUNTY STANDARD CONSTRUCTION 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. 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. 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 DSD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.

9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP 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 PUBLIC WORK DEPARTMENT AND MUTCD

14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY PWD, 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.

CONFERENCE IS HELD WITH PCD INSPECTIONS.

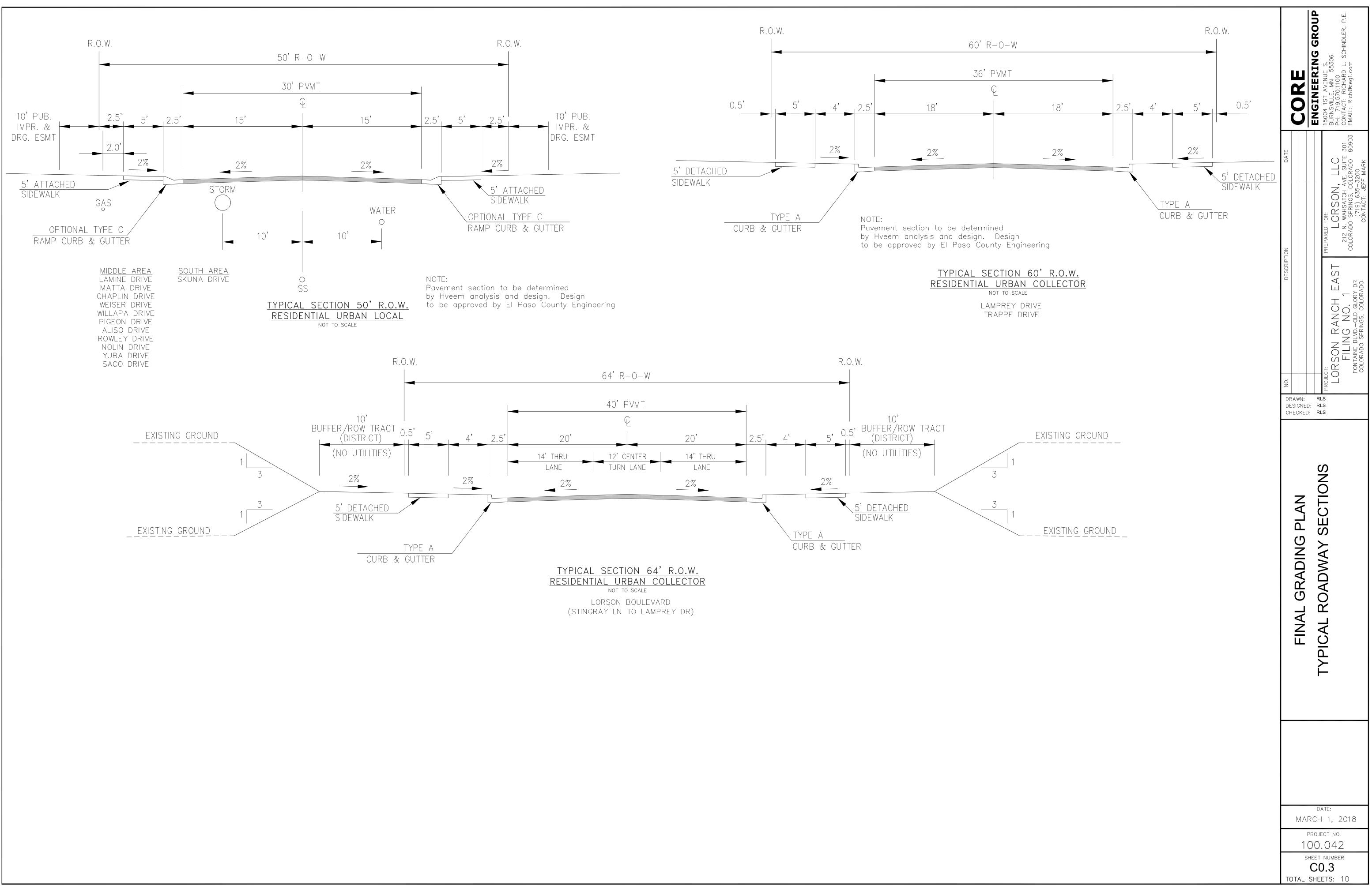
- POLLUTION OF ANY ON-SITE OR OFF SITE WATERS, INCLUDING WETLANDS.
- SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
- MEETING TIME AND PLACE WITH COUNTY DSD INSPECTIONS STAFF.
- VOLUME II AND THE ENGINEERING CRITERIA MANUAL (ECM) APPENDIX I.

- VELOCITY.
- SYSTEM OR FACILITIES.
- 13. EROSION CONTROL BLANKETING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
- BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.

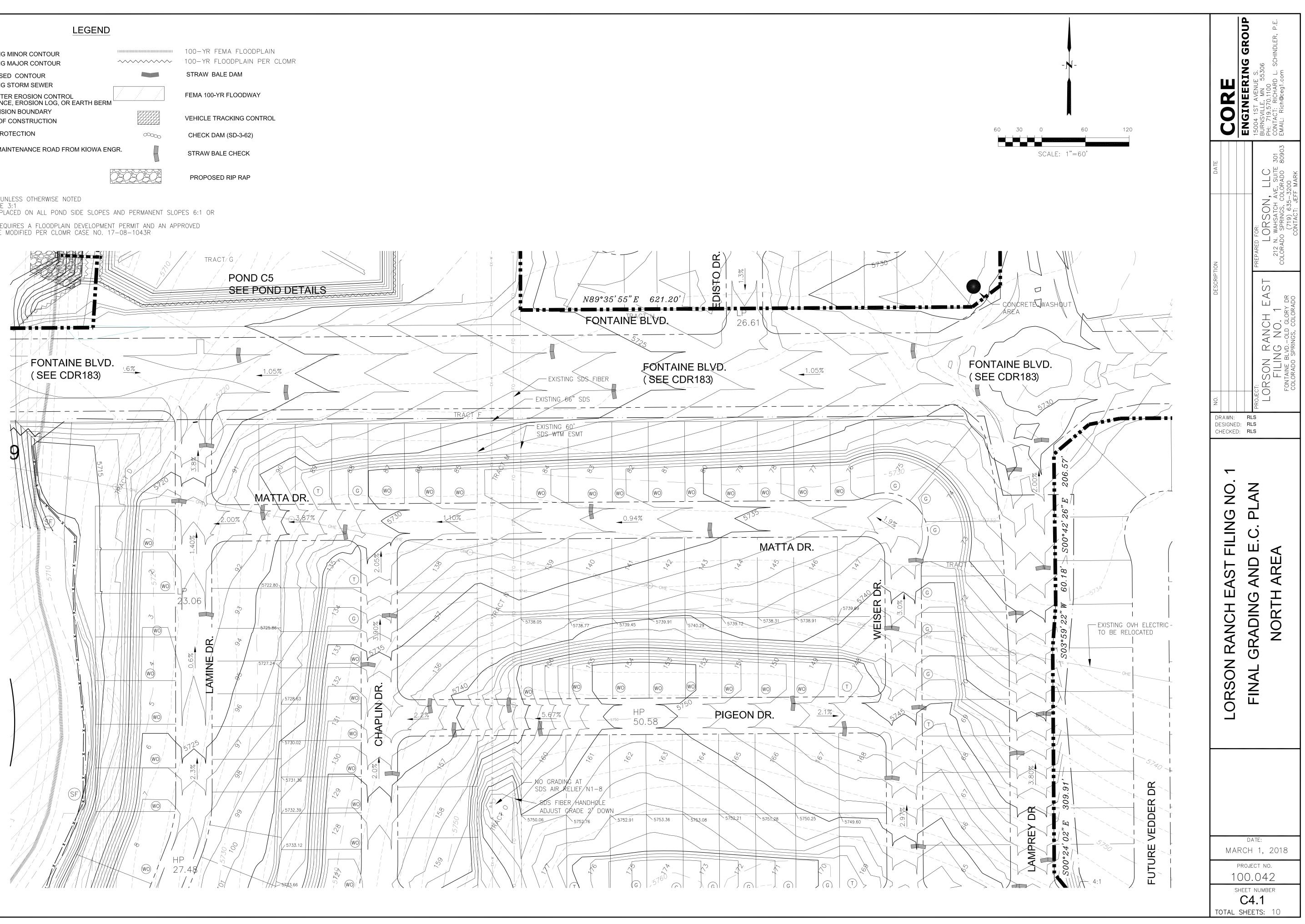
- NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
- USE OF SUCH CHEMICALS, SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
- SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
- DITCHLINE.
- Shall Apply.
- 23. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- 24. PRIOR TO ACTUAL CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- DUST FROM EARTHWORK EQUIPMENT AND WIND.

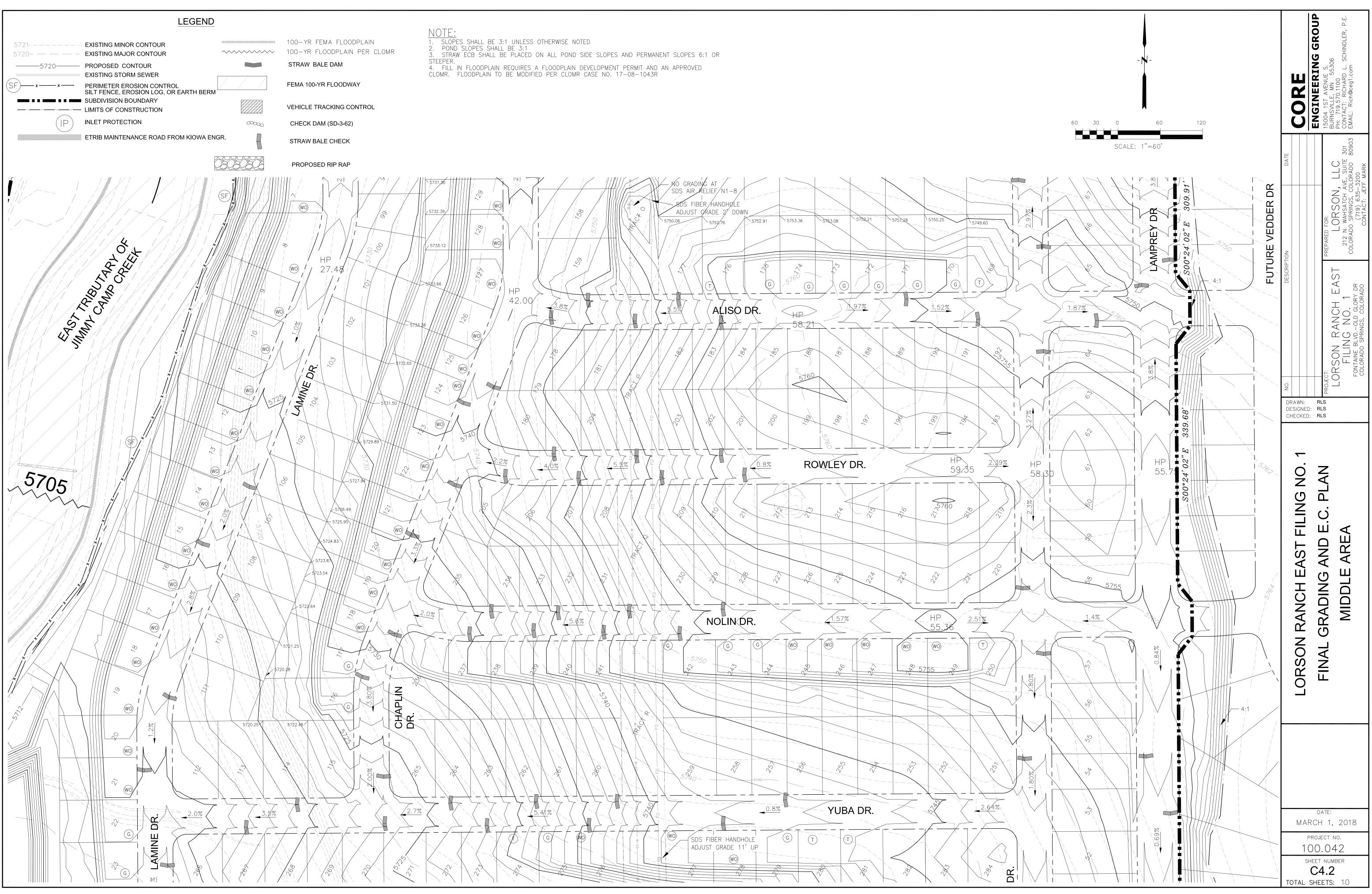
COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT WATER QUALITY CONTROL DIVISION WQCD - PERMITS 4300 CHERRY CREEK DRIVE SOUTH DENVER, CO 80246-1530 ATTN: PERMITS UNIT

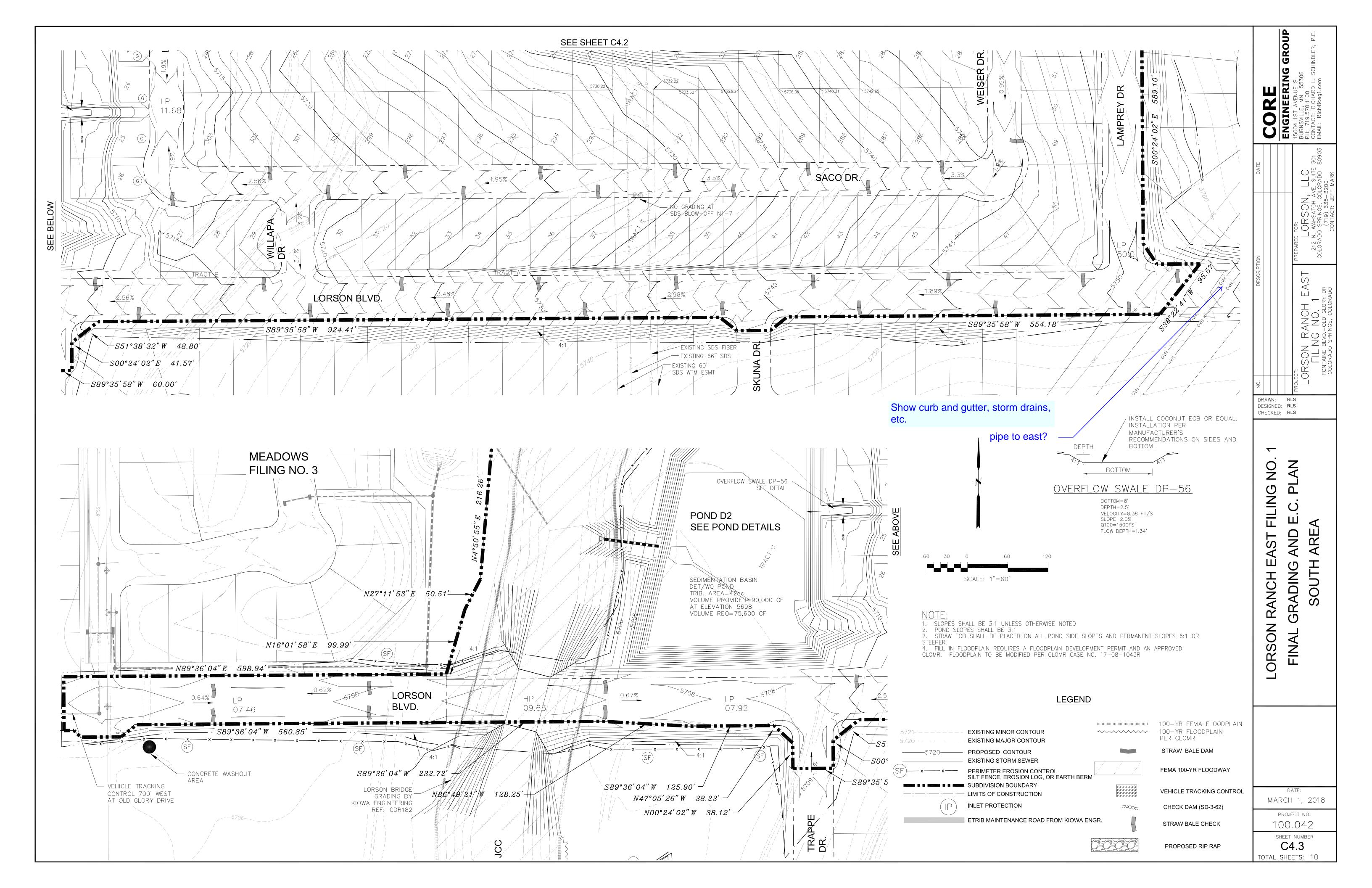


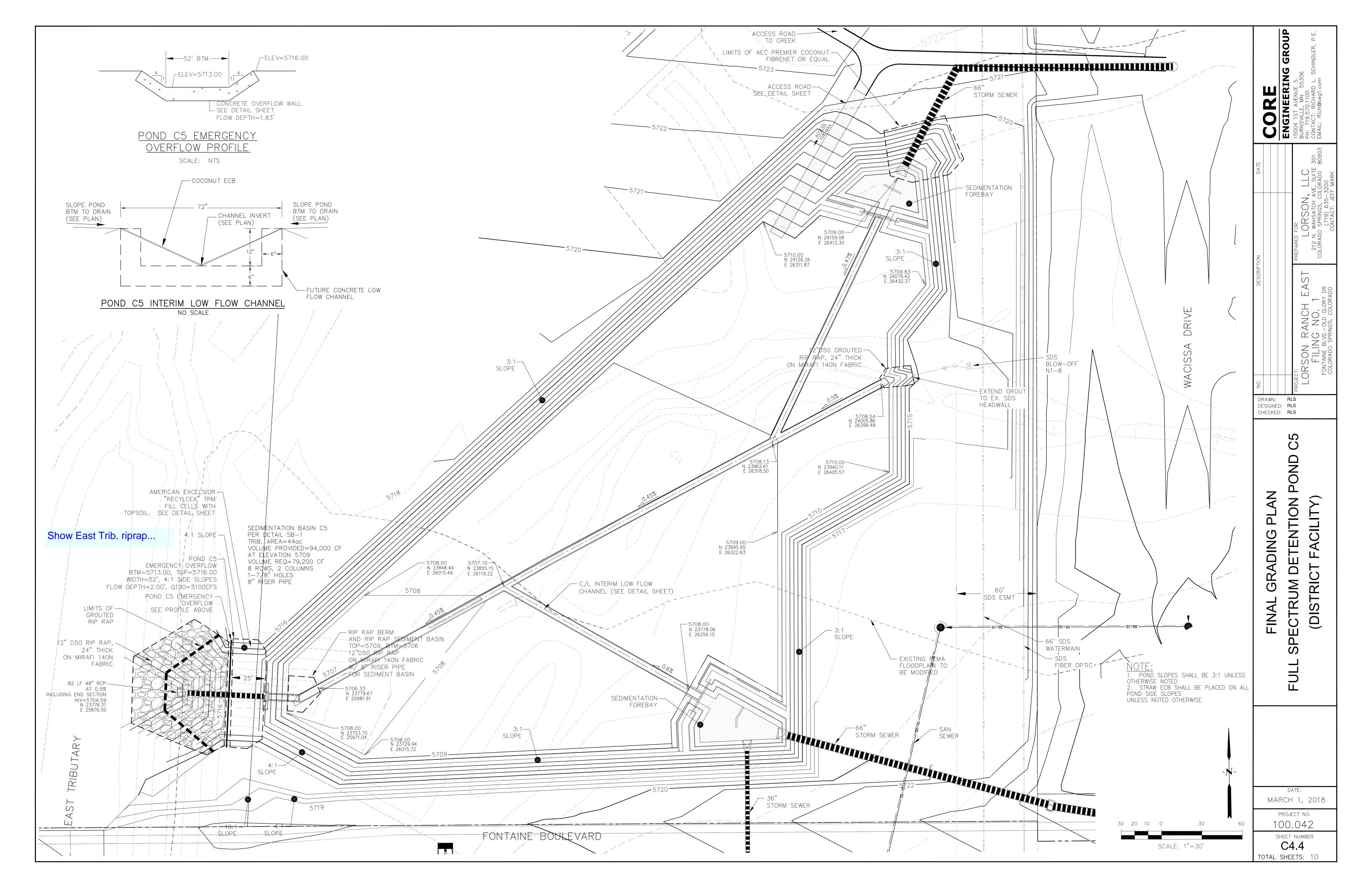


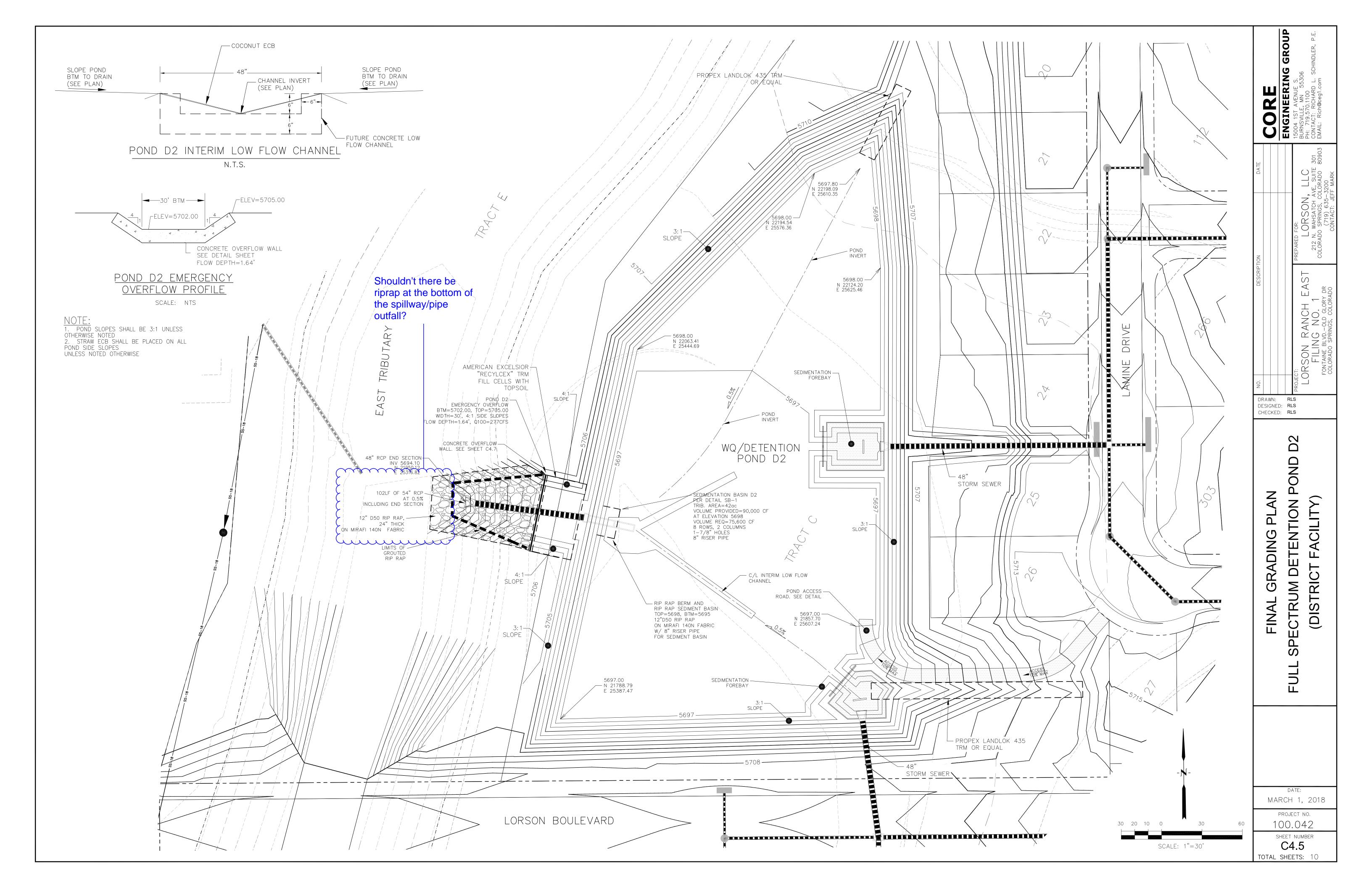
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| 5721 | EXISTING MINOR CONTOUR EXISTING MAJOR CONTOUR | | 100-YR FEMA FLOODPLAIN 100-YR FLOODPLAIN PER CLOMR | |
| 5720 | PROPOSED CONTOUR EXISTING STORM SEWER | | STRAW BALE DAM | |
| SF x x | PERIMETER EROSION CONTROL SILT FENCE, EROSION LOG, OR EARTH BERM | Λ | FEMA 100-YR FLOODWAY | |
| | SUBDIVISION BOUNDARY LIMITS OF CONSTRUCTION | | VEHICLE TRACKING CONTROL | |
| | INLET PROTECTION | 0000 | CHECK DAM (SD-3-62) | |
| | ETRIB MAINTENANCE ROAD FROM KIOWA EN | NGR. | STRAW BALE CHECK | |
| | | | PROPOSED RIP RAP | |
| 2. POND SLOPES 2. STRAW ECB S STEEPER. 4. FILL IN FLOO | L BE 3:1 UNLESS OTHERWISE NOTED S SHALL BE 3:1 SHALL BE PLACED ON ALL POND SIDE SLOPES ODPLAIN REQUIRES A FLOODPLAIN DEVELOPMEN AIN TO BE MODIFIED PER CLOMR CASE NO. 1 | NT PERMIT AND AN APP | | |
| | | | TRACT/G | |

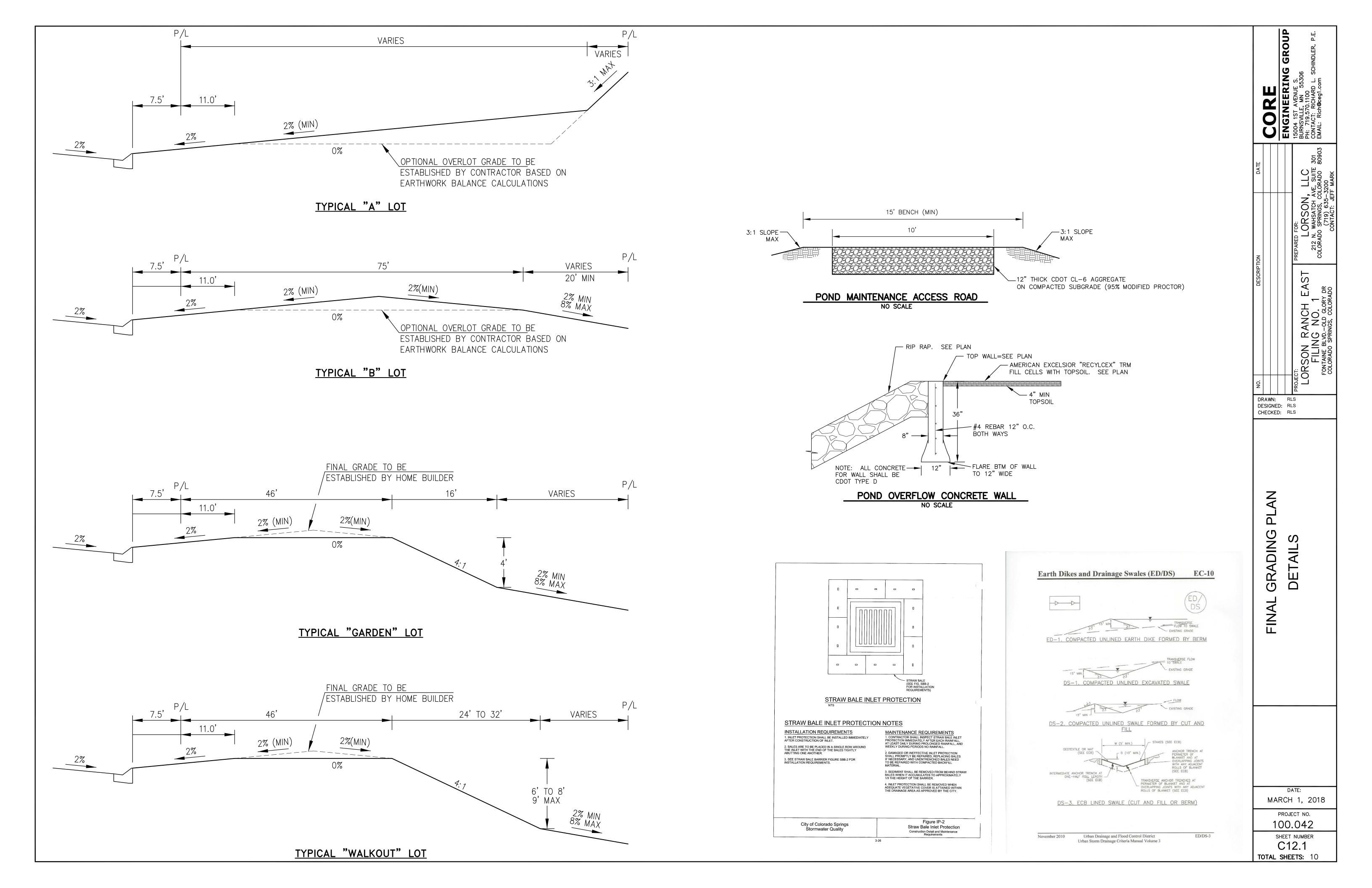


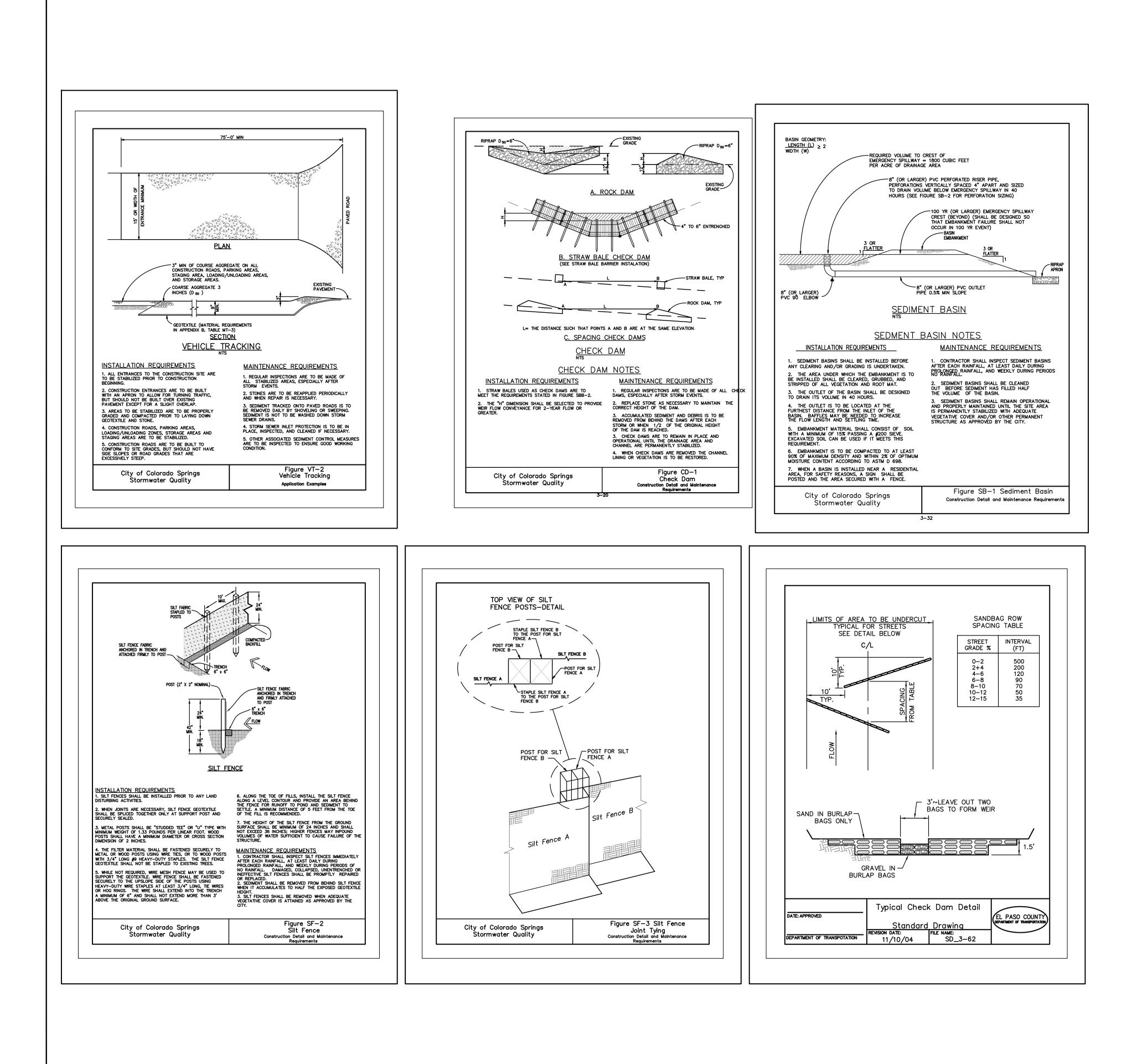




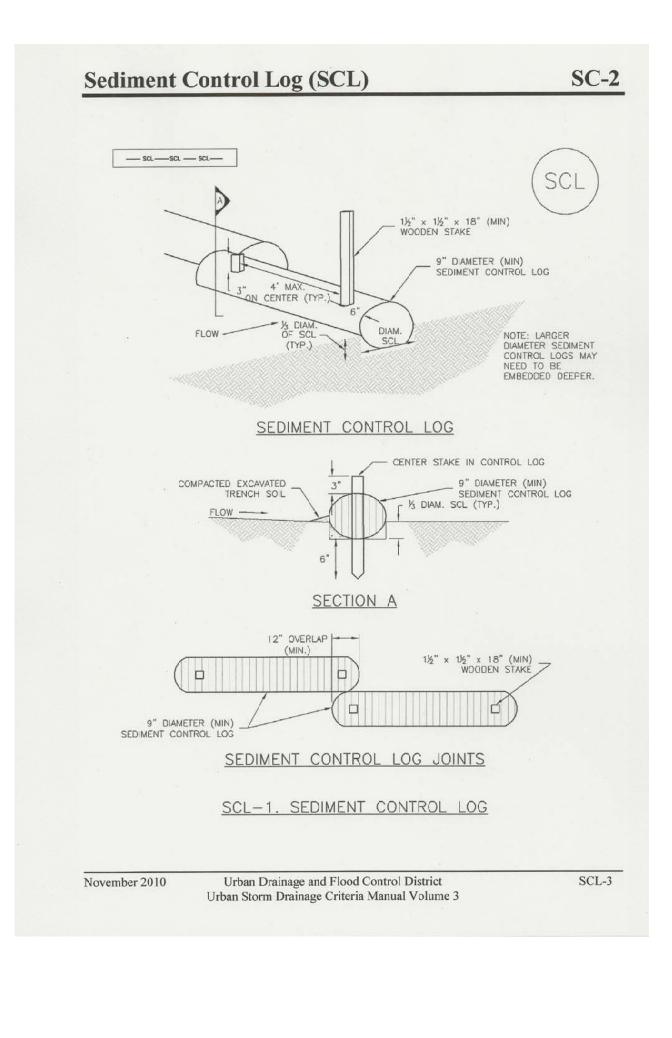


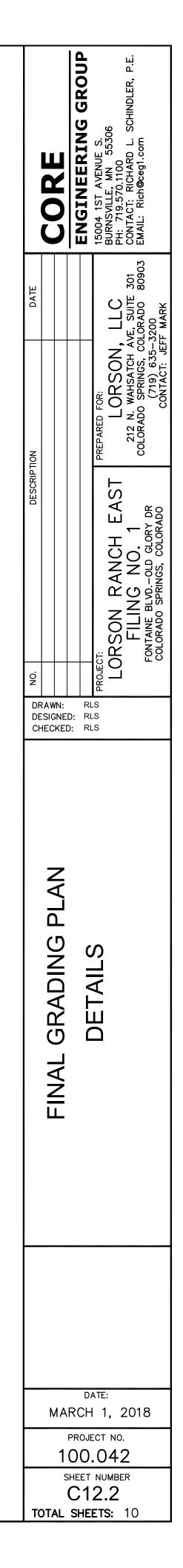






| SEED MIX TABLE | | | |
|--|---|---|--|
| GRASS MIX FOR QUICK REVEGETATION AL | _ SITES: | | |
| GRASS | VARIETY | AMOUNT IN PLS LBS PER ACRE | |
| CRESTED WHEAT GRASS PERENNIAL RYE WESTERN WHEAT GRASS SMOOTH BROME GRASS SIDEOATS GRAMA | EPHRAIM OR HYCREST LINN BARTON LINCOLN OR MANCHAR EL RENO | 4.0 2.0 3.0 5.0 2.5 TOTAL 16.5 LBS | |
| GRASS MIX FOR SANDY SOILS: | | | |
| GRASS | VARIETY | AMOUNT IN PLS LBS PER ACRE | |
| SIDEOATS GRAMA WESTERN WHEAT GRASS SLENDER WHEAT GRASS LITTLE BLUESTEM SAND DROPSEED SWITCH GRASS WEEPING LOVE GRASS | EL RENO BARTON NATIVE PASTURA NATIVE NEBRASKA 28 MORPHA | 3.0 2.5 2.0 2.0 0.5 3.0 1.0 TOTAL 14.0 LBS | |
| GRASS MIX FOR HEAVIER SOIL AREAS: | | | |
| GRASS | VARIETY | AMOUNT IN PLS LBS PER ACRE | |
| WESTERN WHEAT GRASS SIDEOATS GRAMA SLENDER WHEAT GRASS SMOOTH BROME CRESTEDWHEAT GRASS | BARTON EL RENO SODAR LINCOLN OR MANCHAR EPHRAIM | 5.0 3.0 2.5 4.0 <u>3.0</u> TOTAL 17.5 LBS | |





Markup Summary

| dsdrice (6) | | |
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| Since cuts and gather, storm drains, and the | Subject: Text Box Page Label: 6 Lock: Unlocked Status: Checkmark: Unchecked Author: dsdrice Date: 4/13/2018 2:04:20 PM Color: | Show curb and gutter, storm drains, etc. |
| Show East Trib. riprop. | Subject: Text Box Page Label: 7 Lock: Unlocked Status: Checkmark: Unchecked Author: dsdrice Date: 4/12/2018 8:08:03 AM Color: | Show East Trib. riprap |
| | Subject: Cloud+ Page Label: 8 Lock: Unlocked Status: Checkmark: Unchecked Author: dsdrice Date: 4/12/2018 8:06:59 AM Color: | Shouldn't there be riprap at the bottom of the spillway/pipe outfall? |