

FINAL SITE GRADING CONSTRUCTION PLANS
FOR
CARRIAGE MEADOWS NORTH FILING NO. 1
FINAL GRADING / EROSION CONTROL PLANS



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

| SHEET INDEX | |
|-------------|---|
| SHEET NO. | SHEET DESCRIPTION |
| C0.1 | COVER SHEET |
| C0.2 | NOTES (GENERAL, GRADING, EROSION CONTROL) |
| C0.3 | TYPICAL SECTIONS |
| C4.1 ~ C4.2 | GRADING AND EROSION CONTROL, PLAN AND DETAILS |
| C9.1 ~ C9.3 | POND GRADING |
| C9.4 | DETAILS |
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| | |

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 DATE _____
MANAGER
TITLE _____
ADDRESS 212 N. WAHSATCH AVE. SUITE 301
COLORADO SPRINGS, CO 80903

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.

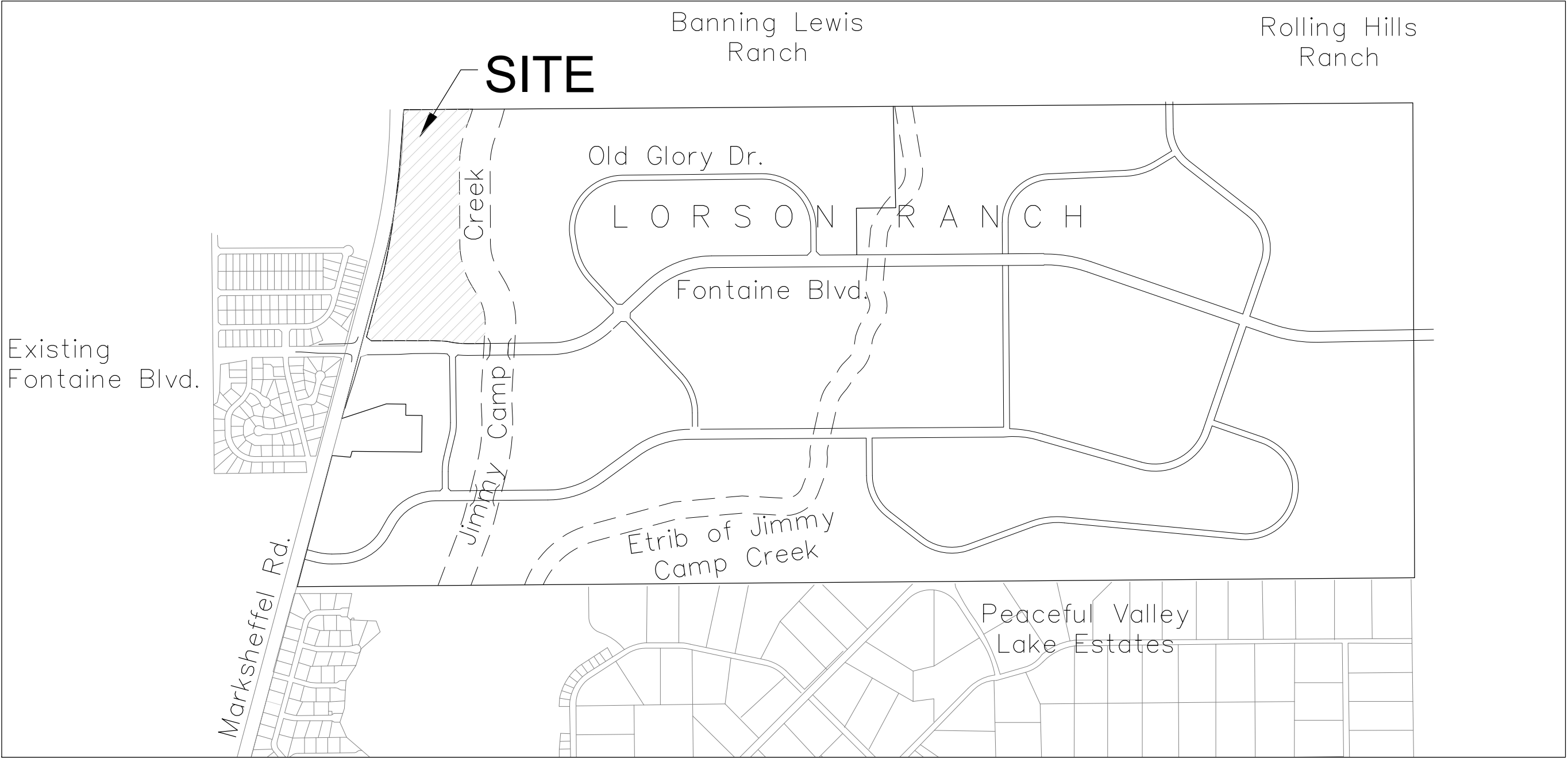
FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND
DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUMES I AND II, AND
ENGINEERING CRITERIA MANUAL AS AMENDED. CONSTRUCTION DOCUMENTS WILL
BE VALID FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO
COUNTY ENGINEER.

JENNIFER IRVINE, COUNTY ENGINEER/ECM ADMINISTRATOR DATE
CONDITIONS:

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
RESPONSIBILITY 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



VICINITY MAP
NO SCALE

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.

LEGEND

--- STREET R.O.W.

--- PROPOSED STORM SEWER

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.

SF 17-0XX

CORE
ENGINEERING GROUP



15004 1ST AVENUE S.
BURNSVILLE, MN 55306
PH: 719.570.1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@cegi.com

DATE

X

DESCRIPTION

X

NO.

1

DRAWN: **RLS**
DESIGNED: **RLS**
CHECKED: **RLS**

COVER SHEET
FINAL SITE GRADING
AND EROSION CONTROL PLANS

DATE
DECEMBER, 2017

PROJECT NO.
100.002

SHEET NUMBER

C0.1

TOTAL SHEETS: **9**

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 (ASTM 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.
11. GRADING SHALL BE IN ACCORDANCE WITH THE PRELIMINARY SUBSURFACE SOIL INVESTIGATION PERFORMED BY RMG FOR PROPOSED CARRIAGE MEADOWS SUBDIVISION DATED AUGUST 4, 2006 UNDER JOB NO. 114121 AND COUNTY CRITERIA.

EL PASO COUNTY STANDARD CONSTRUCTION NOTES:

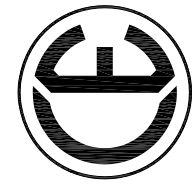
1. ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION 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 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 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 CRITERIA.
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.
1. CONSTRUCTION MAY NOT COMMENCE UNTIL A CONSTRUCTION PERMIT IS OBTAINED FROM PCD AND A PRECONSTRUCTION CONFERENCE IS HELD WITH PCD INSPECTIONS.
2. STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON–SITE OR OFF SITE WATERS, INCLUDING WETLANDS.
3. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
4. A SEPARATE STORMWATER MANAGEMENT PLAN (SWMP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. DURING CONSTRUCTION THE SWMP IS THE RESPONSIBILITY OF THE DESIGNATED STORMWATER MANAGER, SHALL BE LOCATED ON SITE AT ALL TIMES AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
5. ONCE THE ESQCP HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL BMPS AS INDICATED ON THE GEC. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY PCD INSPECTIONS STAFF.
6. SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN 21 CALENDAR DAYS AFTER FINAL GRADING, OR FINAL EARTH DISTURBANCE, HAS BEEN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS SHALL ALSO BE MULCHED WITHIN 21 DAYS AFTER INTERIM GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAN 60 DAYS SHALL ALSO BE SEEDED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND BMPS SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND ESTABLISHED.
7. TEMPORARY SOIL EROSION CONTROL FACILITIES SHALL BE REMOVED AND EARTH DISTURBANCE AREAS GRADED AND STABILIZED WITH PERMANENT SOIL EROSION CONTROL MEASURES PURSUANT TO STANDARDS AND SPECIFICATION PRESCRIBED IN THE DCM VOLUME II AND THE ENGINEERING CRITERIA MANUAL (ECM) APPENDIX I.
8. ALL PERSONS ENGAGED IN EARTH DISTURBANCE SHALL IMPLEMENT AND MAINTAIN ACCEPTABLE SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING BMPS IN CONFORMANCE WITH THE EROSION CONTROL TECHNICAL STANDARDS OF THE DRAINAGE CRITERIA MANUAL (DCM) VOLUME II AND IN ACCORDANCE WITH THE STORMWATER MANAGEMENT PLAN (SWMP).
9. ALL TEMPORARY EROSION CONTROL FACILITIES INCLUDING BMPS AND ALL PERMANENT FACILITIES INTENDED TO CONTROL EROSION OF ANY EARTH DISTURBANCE OPERATIONS, SHALL BE INSTALLED AS DEFINED IN THE APPROVED PLANS, THE SWMP AND THE DCM VOLUME II AND MAINTAINED THROUGHOUT THE DURATION OF THE EARTH DISTURBANCE OPERATION.
10. ANY EARTH DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY REDUCE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME.
11. ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE DESIGNED TO LIMIT THE DISCHARGE TO A NON–EROSIVE VELOCITY.
12. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
13. EROSION CONTROL BLANKETING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
14. BUILDING, CONSTRUCTION, EXCAVATION, OR OTHER WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. BMP’S MAY BE REQUIRED BY EL PASO COUNTY PCD IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
15. VEHICLE TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF–SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFFSITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
17. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, AND SAND THAT MAY ACCUMULATE IN THE STORM SEWER OR OTHER DRAINAGE CONVEYANCE SYSTEM AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
18. THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON–SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER’S LABELS.
19. NO CHEMICALS ARE TO BE USED BY THE CONTRACTOR, WHICH HAVE THE POTENTIAL TO BE RELEASED IN STORMWATER UNLESS PERMISSION FOR THE USE OF A SPECIFIC CHEMICAL IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING THE USE OF SUCH CHEMICALS, SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
20. BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS SHALL HAVE ADEQUATE PROTECTION SO AS TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
21. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER OR IN THE DITCHLINE.
22. INDIVIDUALS SHALL COMPLY WITH THE “COLORADO WATER QUALITY CONTROL ACT” (TITLE 25, ARTICLE 8, CRS), AND THE “CLEAN WATER ACT” (33 USC 1344), IN ADDITION TO THE REQUIREMENTS INCLUDED IN THE DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, OR COUNTY AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
23. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
24. PRIOR TO ACTUAL CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
25. A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
26. AT LEAST TEN DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB 1 ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (SWMP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

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

Geotech report note
missing?

STANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS

CORE
ENGINEERING GROUP



15004 1ST AVENUE S.
DENVER, CO 80202
PHONE: 719.570.1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@eg1.com

DATE

X

DESCRIPTION

X

NO.

1

DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

DATE

DECEMBER, 2017

PROJECT NO.

100.002

SHEET NUMBER

C0.2

TOTAL SHEETS:

9

PREPARED FOR:

LORSON LLC

212 N. WAHSATCH AVE. SUITE 301
COLORADO SPRINGS, COLORADO 80903
(719) 635–3200
CONTACT: JEFF MARK

PROJECT:

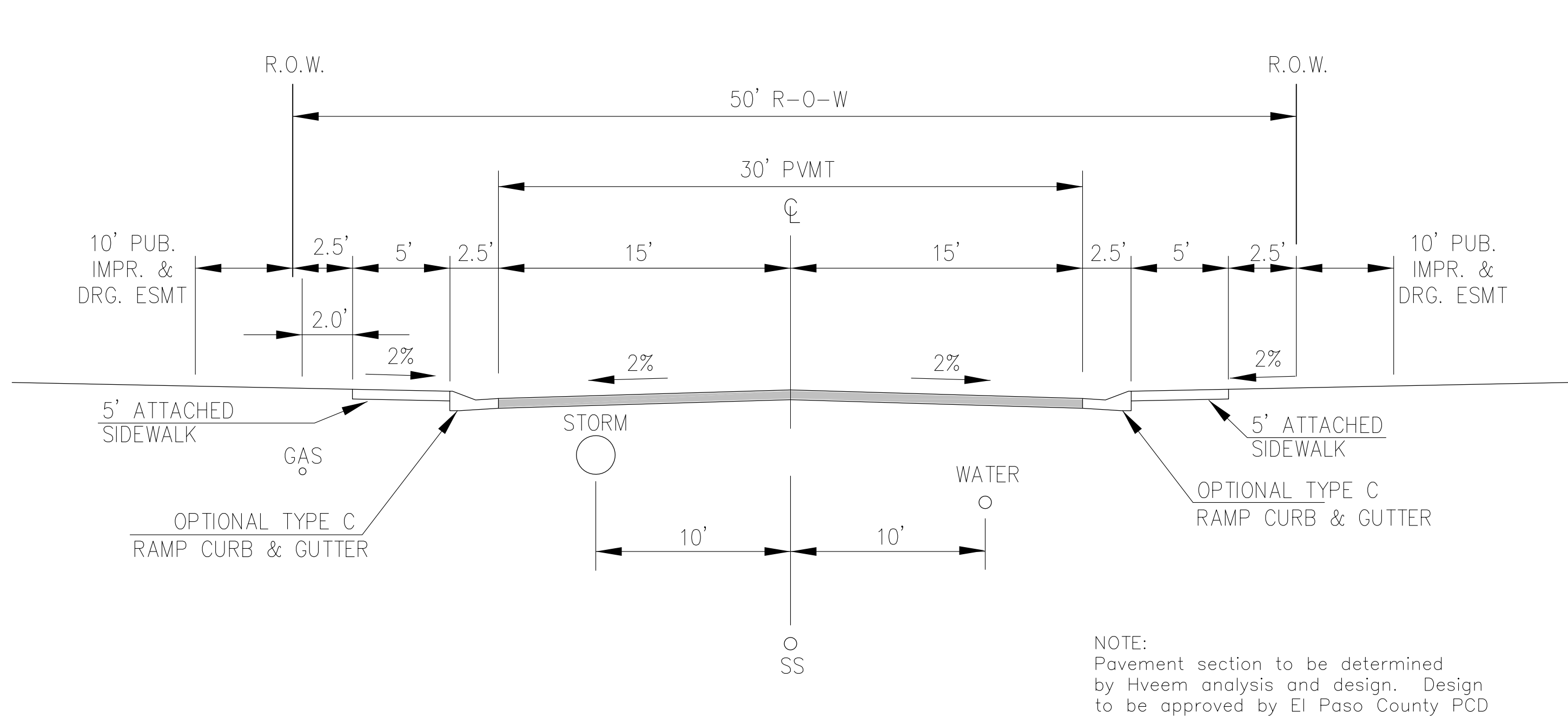
CARRIAGE MEADOWS
NORTH FILING NO. 1

LORSON RANCH
EL PASO COUNTY, COLORADO

FINAL

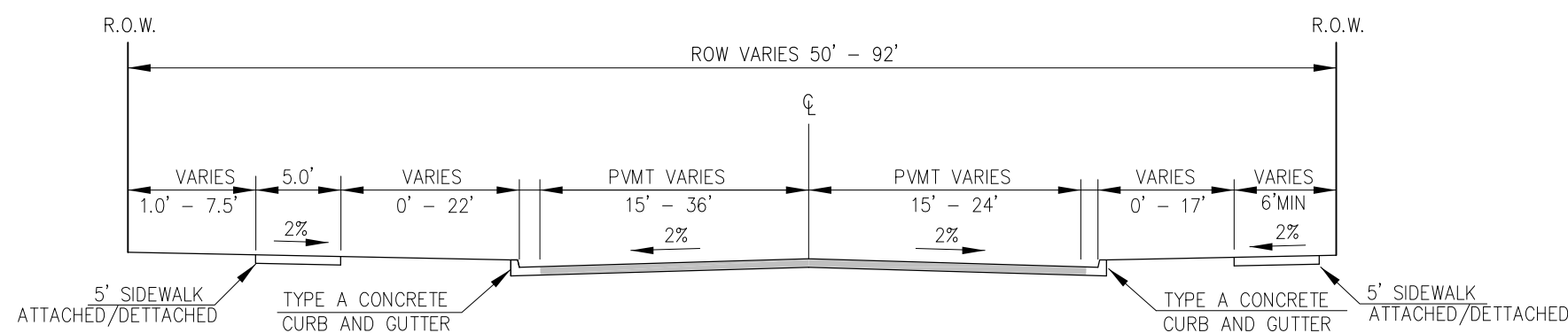
SITE GRADING PLAN

NOTES

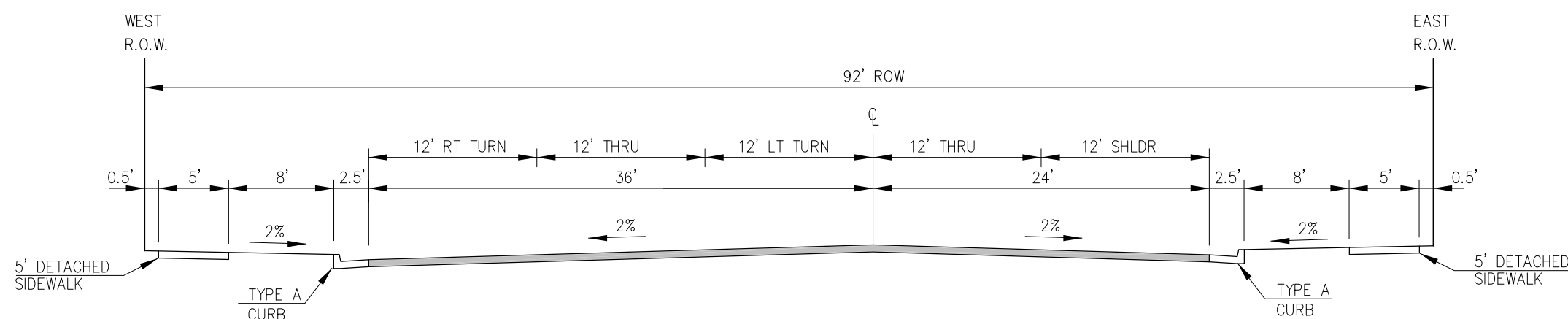


TYPICAL SECTION 50' R.O.W.
RESIDENTIAL URBAN LOCAL
NOT TO SCALE

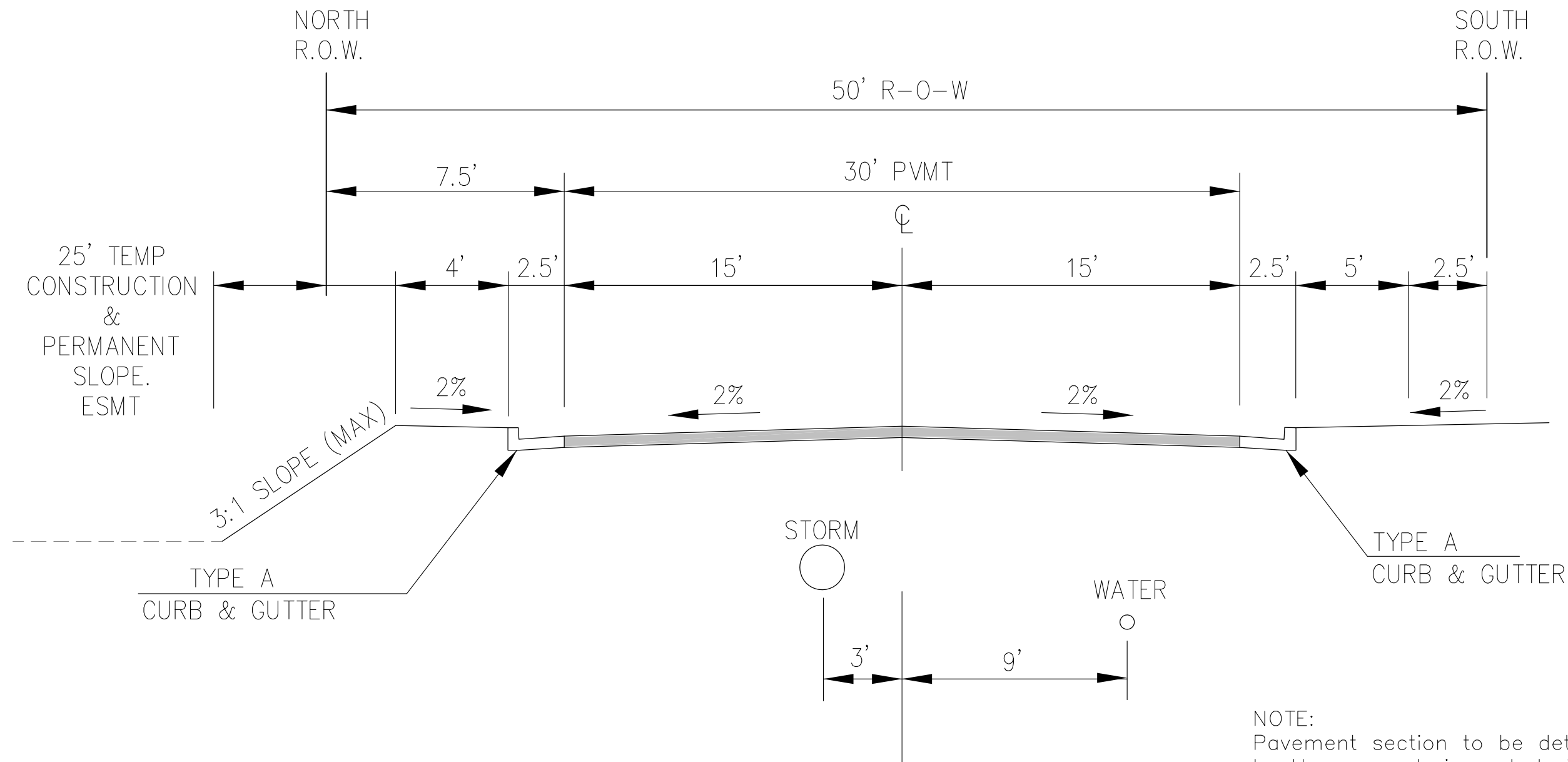
CARRIAGE MEADOWS DRIVE
BORDERPINE WAY
CHALKSTONE LANE
COYOTE RUN TRAIL
MEADOWBANK LANE
WISHBONE WAY
CIDER MILL PLACE
CARRIAGE MEADOWS DR (STA 16+32.79 - 20+46.79)



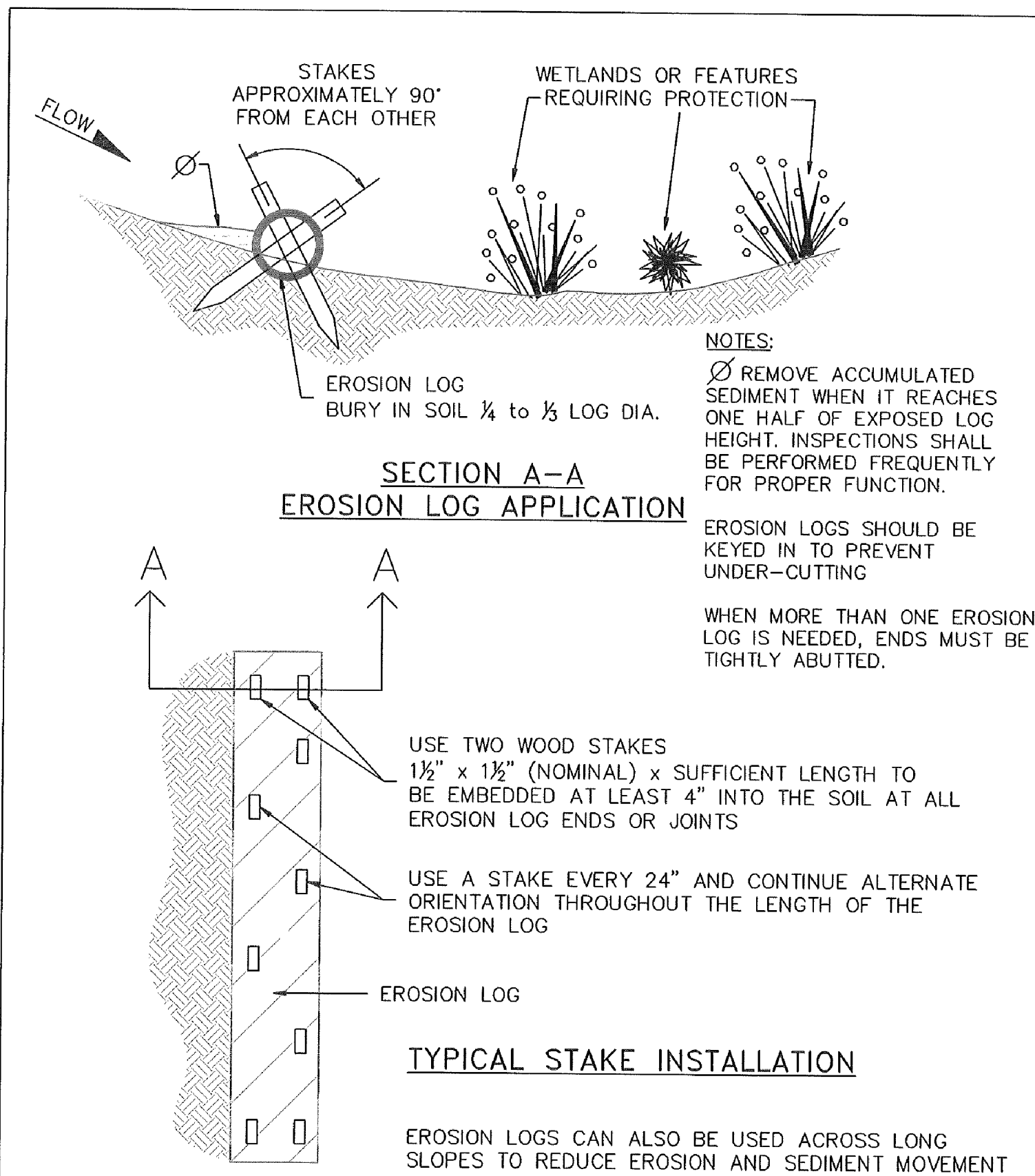
TYPICAL SECTIONS - CARRIAGE MEADOWS DRIVE
NOT TO SCALE
STA 11+40 - 16+32.79




TYPICAL SECTIONS - CARRIAGE MEADOWS DRIVE
(NON-RESIDENTIAL COLLECTOR)
NOT TO SCALE
AT FONTAINE BOULEVARD

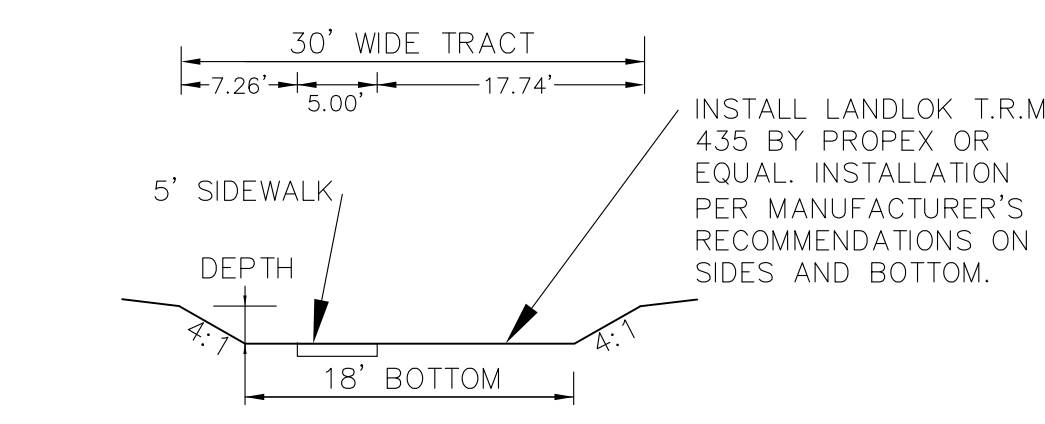
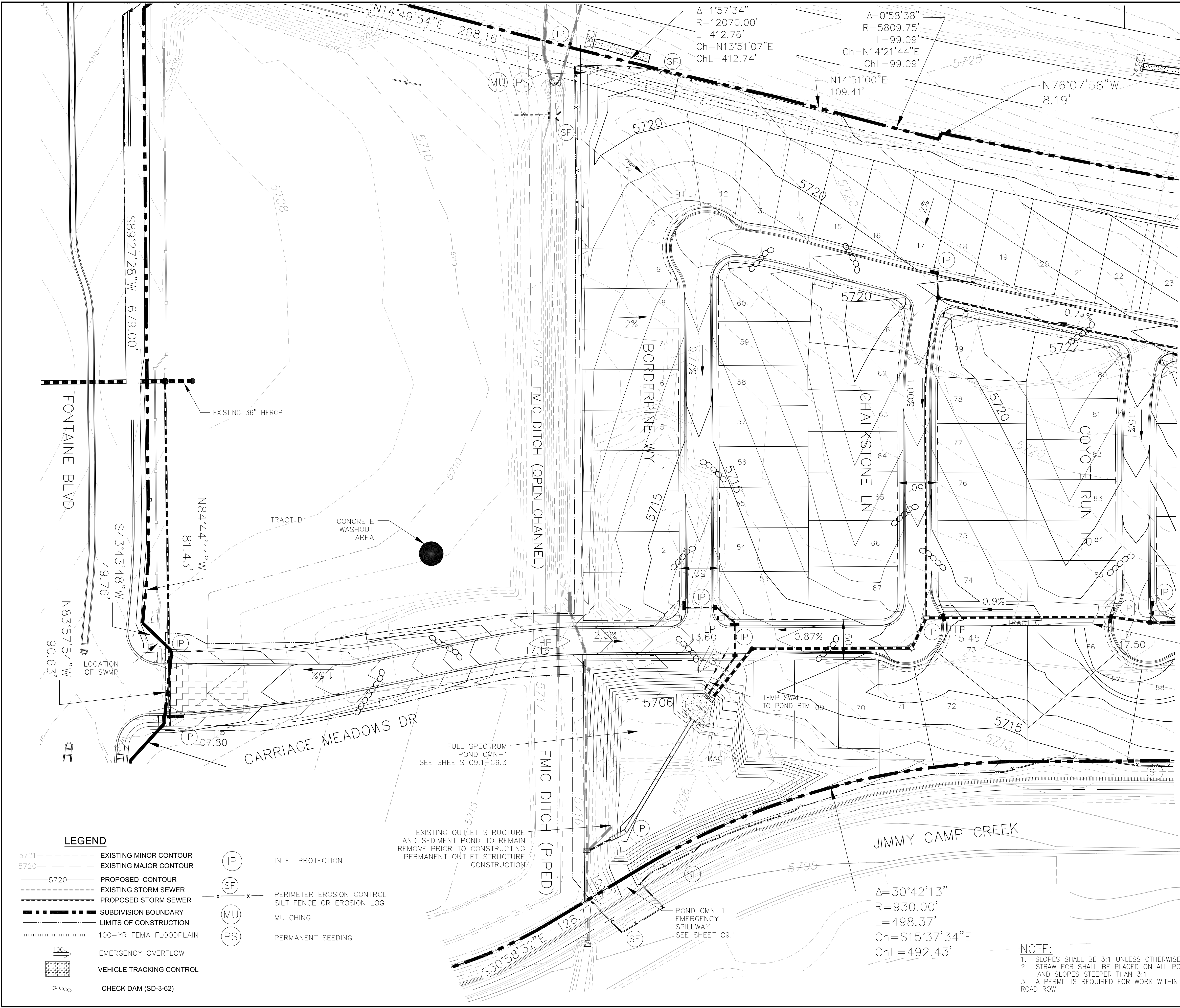


TYPICAL SECTION 50' R.O.W.
RESIDENTIAL URBAN LOCAL
NOT TO SCALE
PEACEFUL RIDGE DRIVE



| | | |
|------------------------------|--|--|
| DATE APPROVED: 1/1/08 | Erosion Log Barrier | |
| John A. McCarty | Standard Drawing | |
| DEPARTMENT OF TRANSPORTATION | REVISION DATE: 7/17/07 FILE NAME: SD_3-87 | |

| | | | |
|--|--|----------------------------------|--|
| <div><div><div>CORE</div><div>ENGINEERING GROUP</div></div></div> | | DATE | |
| | | X | |
| NO. | | DESCRIPTION | |
| 1 | | X | |
| PROJECT: | | PREPARED FOR: | |
| CARRIAGE MEADOWS | | LORSON LLC | |
| NORTH FILING NO. 1 | | 212 N. WAHSATCH AVE. SUITE 301 | |
| LORSON RANCH | | COLORADO SPRINGS, COLORADO 80903 | |
| EL PASO COUNTY, COLORADO | | (719) 635-3200 | |
| | | CONTACT: JEFF MARK | |
| DRAWN: RLS | | | |
| DESIGNED: RLS | | | |
| CHECKED: RLS | | | |
| FINAL | | | |
| SITE GRADING | | | |
| TYPICAL ROADWAY SECTIONS | | | |
| DATE | | | |
| DECEMBER, 2017 | | | |
| PROJECT NO. | | | |
| 100.002 | | | |
| SHEET NUMBER | | | |
| C0.3 | | | |
| TOTAL SHEETS: 9 | | | |

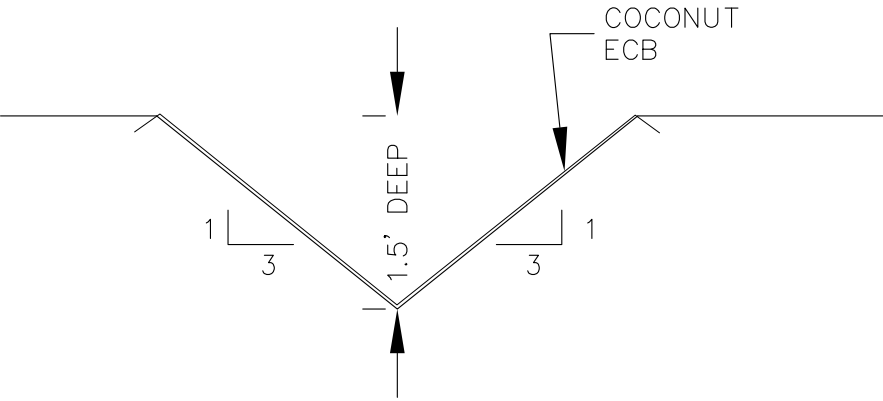


TRACT G EMERGENCY OVERFLOW

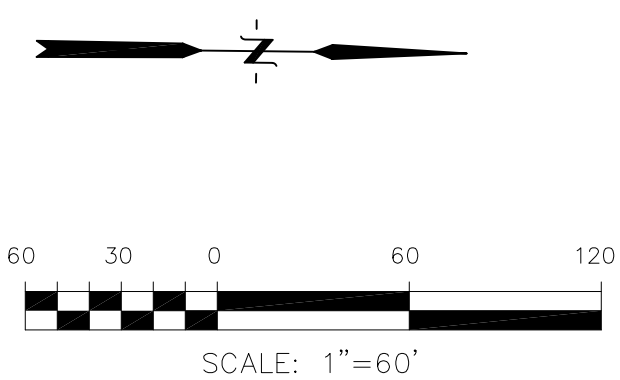
BOTTOM=18'
DEPTH=1.0'
FLOW DEPTH=0.74'
VELOCITY=4.05 FT/S
SLOPE=0.9%
CAPACITY=65CFS

SEE SHEET C4.2

TRACT G EMERGENCY OVERFLOW
SEE DETAIL



TEMP SWALE TO POND BTM



LEGEND

- 5721 --- EXISTING MINOR CONTOUR
- 5720 --- EXISTING MAJOR CONTOUR
- 5720 --- PROPOSED CONTOUR
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- SUBDIVISION BOUNDARY
- LIMITS OF CONSTRUCTION
- 100-YR FEMA FLOODPLAIN
- EMERGENCY OVERFLOW
- VEHICLE TRACKING CONTROL
- CHECK DAM (SD-3-62)
- (IP) INLET PROTECTION
- (SF) PERIMETER EROSION CONTROL
SILT FENCE OR EROSION LOG
- (MU) MULCHING
- (PS) PERMANENT SEEDING

- NOTE:
- SLOPES SHALL BE 3:1 UNLESS OTHERWISE NOTED
 - STRAW ECB SHALL BE PLACED ON ALL POND SIDE SLOPES AND SLOPES STEEPER THAN 3:1
 - A PERMIT IS REQUIRED FOR WORK WITHIN MARKSHEFFEL ROAD ROW

CORE ENGINEERING GROUP
15004 1ST AVENUE S.
DENVER, CO 80232
PHONE: 719.570.1100
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@ceg1.com

| | |
|-------------|---|
| DATE | X |
| DESCRIPTION | X |
| NO. | 1 |

| | |
|---------------|---|
| PROJECT: | CARRIAGE MEADOWS NORTH FIL NO. 1 |
| PREPARED FOR: | LORSON LLC 212 N. WAHSATCH AVE., SUITE 301 COLORADO SPRINGS, COLORADO 80903 (719) 635-3200 CONTACT: JEFF MARK |

| | |
|-----------|-----|
| DRAWN: | RLS |
| DESIGNED: | RLS |
| CHECKED: | RLS |

CARRIAGE MEADOWS NORTH FIL NO. 1

FINAL GRADING AND

EROSION CONTROL PLAN

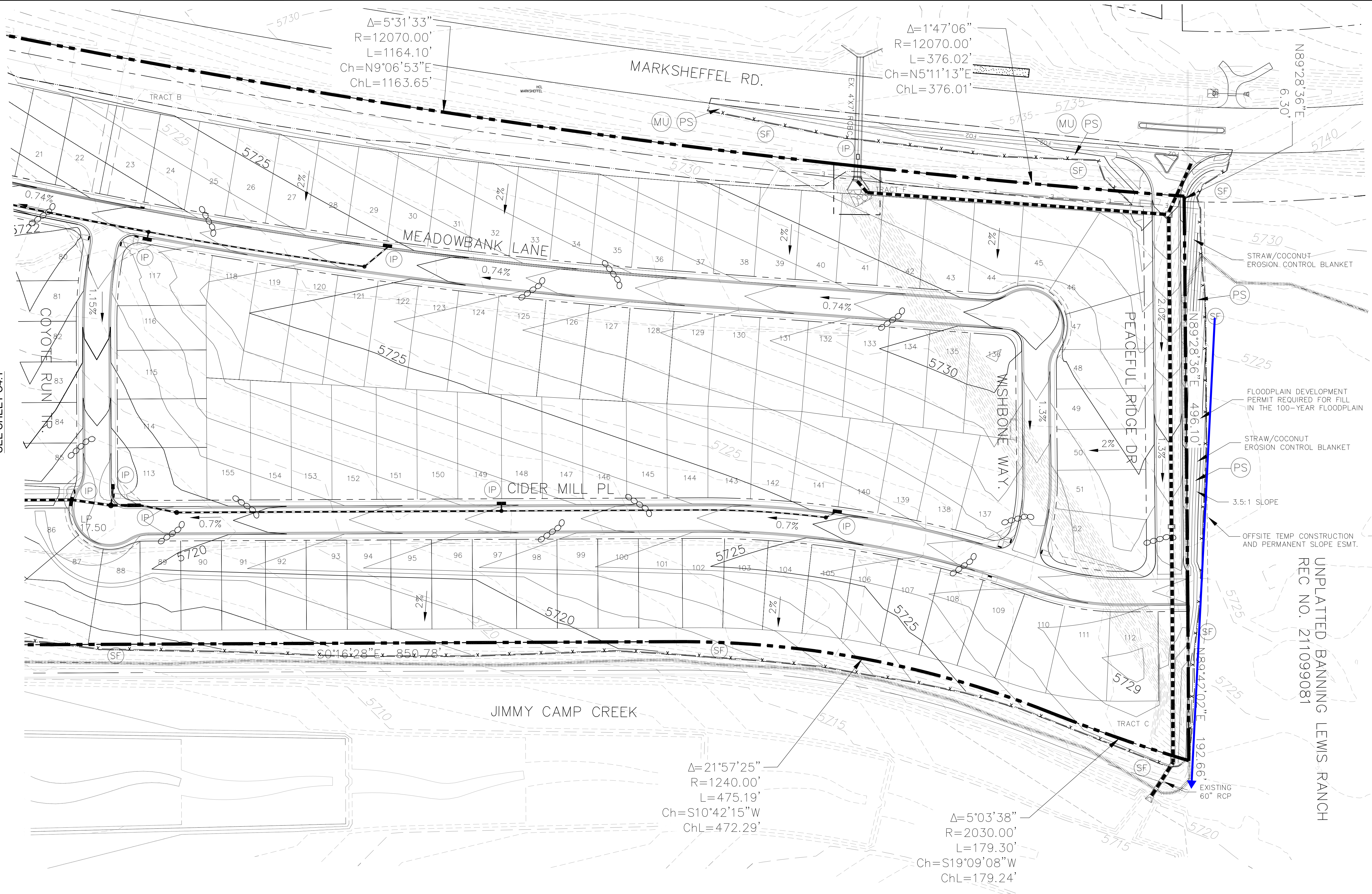
DATE
DECEMBER, 2017

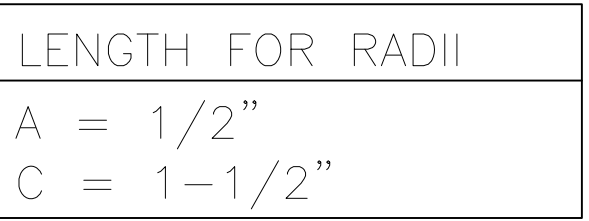
PROJECT NO.
100.002

SHEET NUMBER
C4.1

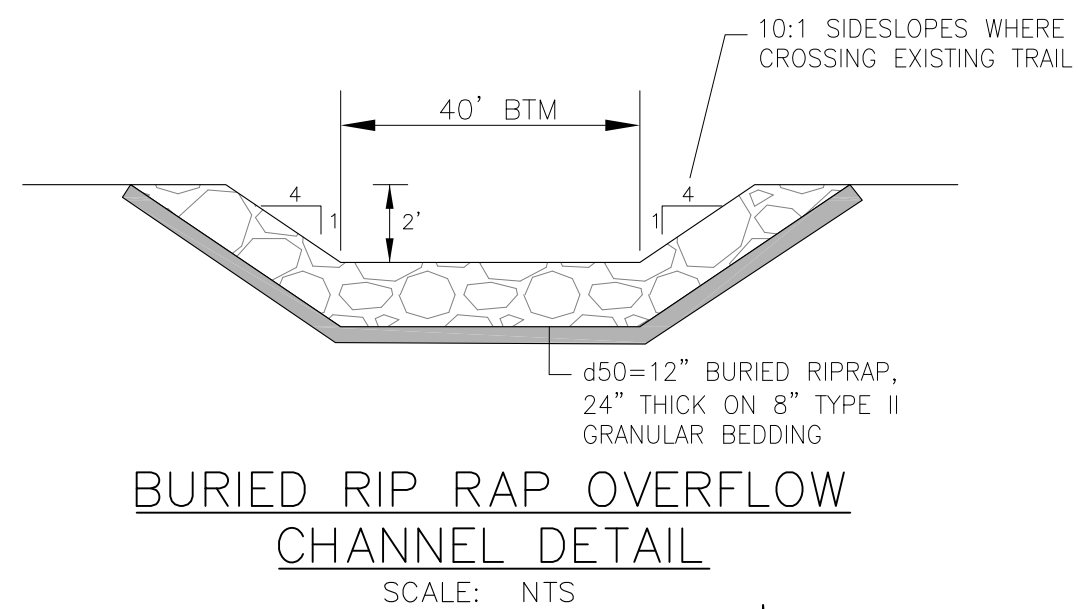
TOTAL SHEETS: **9**

SEE SHEET C4.1

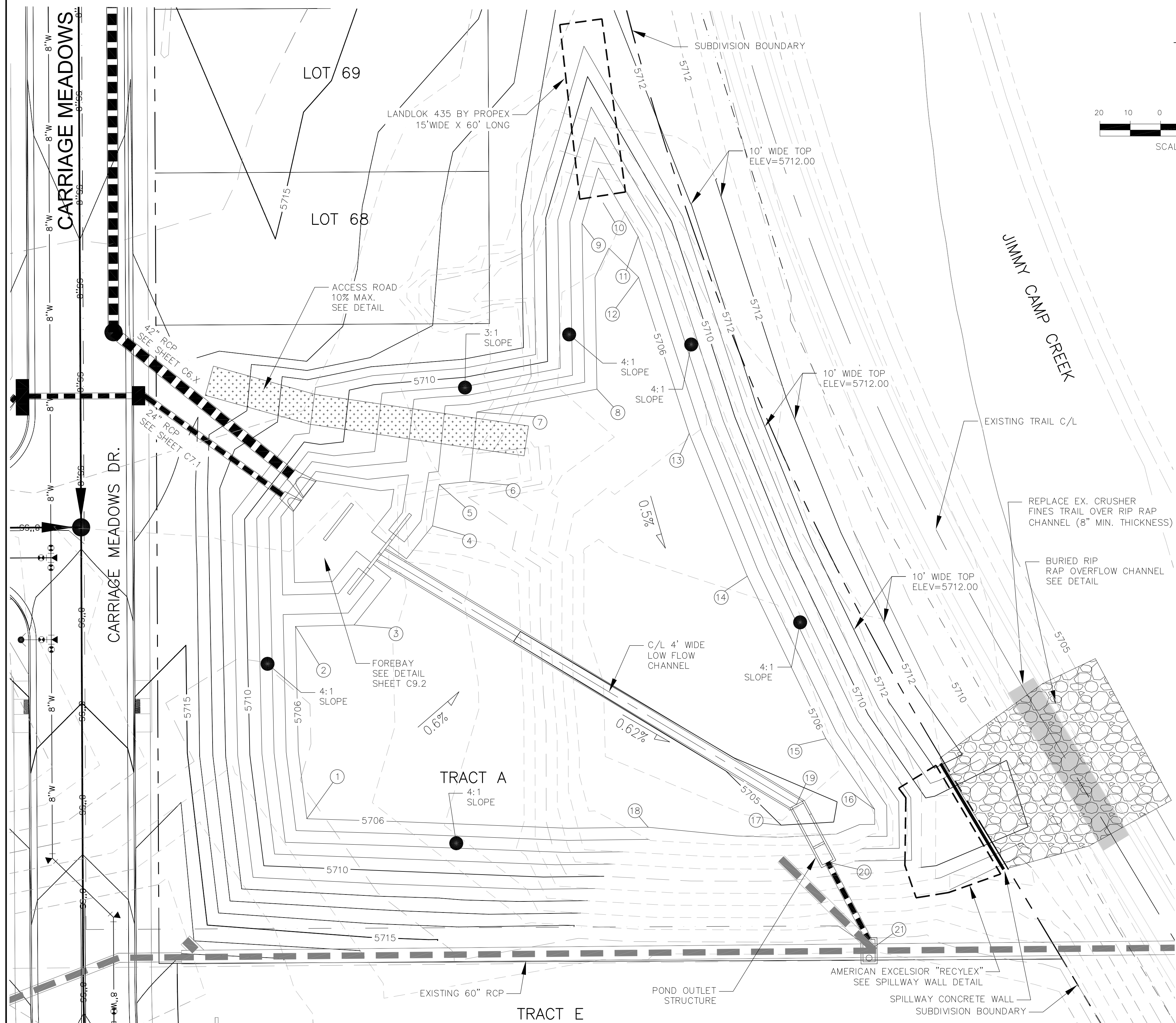
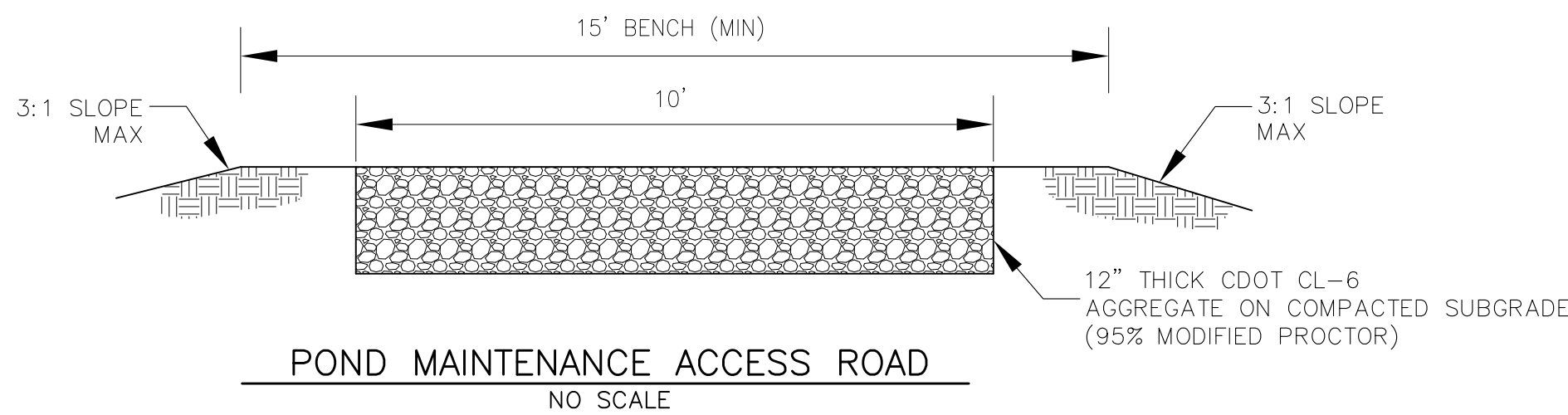
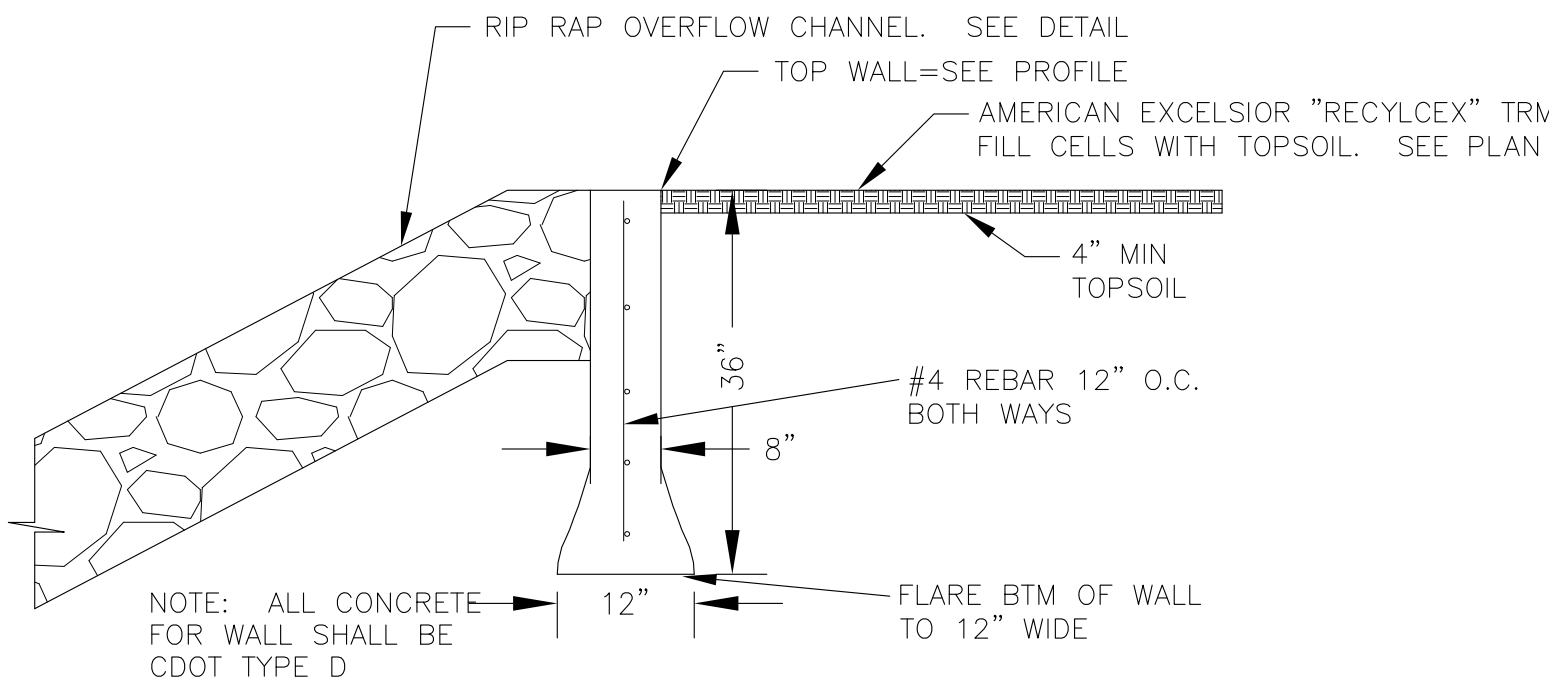
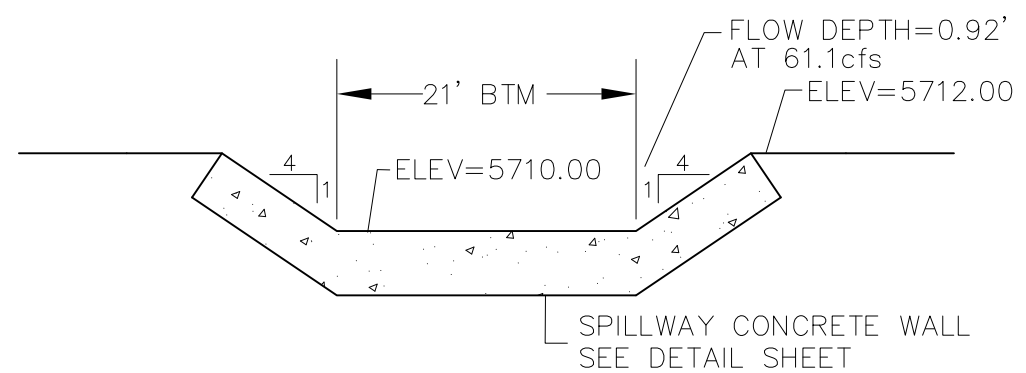
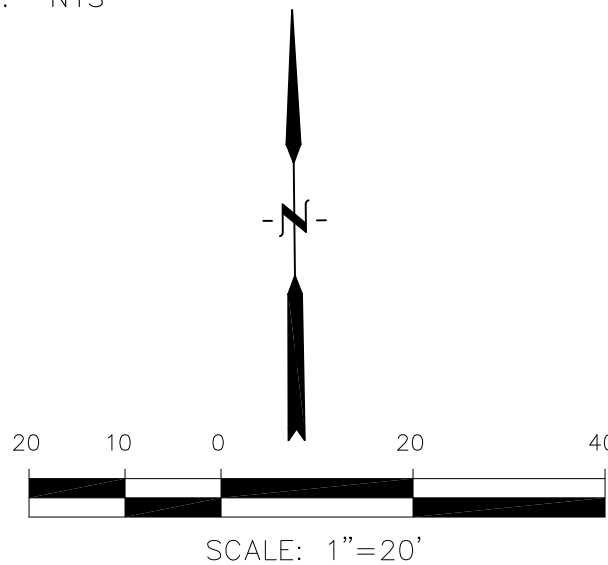




| GRADATION FOR TYPE II GRANULAR BEDDING | |
|---|----------------------------------|
| U.S. STANDARD SIEVE SIZE | SQUARE MESH SIEVES TYPE II |
| 3" | 90-100 |
| 1-1/2" | - |
| 3/4" | 20-90 |
| 3/8" | - |
| #4 | 0-20 |
| #16 | - |
| #50 | - |
| #100 | - |
| #200 | 0-3 |



| POINT TABLE | | | | |
|-------------|----------|----------|-------------|---|
| NUMBER | NORTHING | EASTING | ELEVATION | NOTES |
| 1 | 23309.85 | 21085.12 | 5706.00 | POND BOTTOM |
| 2 | 23373.31 | 21081.41 | 5706.00 | POND BOTTOM |
| 3 | 23373.76 | 21100.72 | 5706.00 | POND BOTTOM |
| 4 | 23406.46 | 21126.59 | 5706.00 | POND BOTTOM |
| 5 | 23420.10 | 21128.79 | 5706.00 | POND BOTTOM |
| 6 | 23421.15 | 21138.84 | 5706.00 | POND BOTTOM |
| 7 | 23444.02 | 21141.20 | 5706.00 | POND BOTTOM |
| 8 | 23451.59 | 21180.81 | 5706.00 | POND BOTTOM |
| 9 | 23506.19 | 21175.88 | 5707.00 | POND BOTTOM |
| 10 | 23513.05 | 21182.83 | 5706.10 | POND BOTTOM |
| 11 | 23501.91 | 21194.40 | 5707.00 | POND BOTTOM |
| 12 | 23488.48 | 21194.54 | 5706.00 | POND BOTTOM |
| 13 | 23436.93 | 21211.23 | 5706.00 | POND BOTTOM |
| 14 | 23389.88 | 21230.39 | 5706.00 | POND BOTTOM |
| 15 | 23336.27 | 21256.31 | 5706.00 | POND BOTTOM |
| 16 | 23312.97 | 21272.36 | 5706.00 | POND BOTTOM |
| 17 | 23307.74 | 21241.54 | 5705.00 | POND BOTTOM |
| 18 | 23307.05 | 21197.72 | 5706.00 | POND BOTTOM |
| 19 | 23314.55 | 21246.56 | 5704.33 | LOW FLOW CHANNEL INVERT |
| 20 | 23295.51 | 21256.92 | 5704.00 | INV 24" RCP, 28.9 LF 24" RCP AT 0.5% |
| 21 | 23266.32 | 21270.52 | RIM=5716.00 | REM. EX. WYE, INSTALL TYPE 1 MH, INV 60"=5701.81 INV 24"=5703.86 |



NOTE:
1. ALL POND SLOPES TO INCLUDE STRAW ECB UNLESS NOTED OTHERWISE
2.

POND CMN-1 (DISTRICT) IN TRACT "A"

CARRIAGE MEADOWS NORTH FIL. NO. 1

POND LAYOUT

DATE

DECEMBER, 2017

PROJECT NO.

100.002

SHEET NUMBER

C9.1

TOTAL SHEETS: 9

DRAWN: RLS

DESIGNED: RLS

CHECKED: RLS

PROJECT: CARRIAGE MEADOWS NORTH FILING NO. 1

PREPARED FOR: LORSON LLC

212 N. WAHSATCH AVE., SUITE 301

COLORADO SPRINGS, COLORADO 80903

CONTACT: JEFF MARK

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
| 1 | X | X |

CORE ENGINEERING GROUP

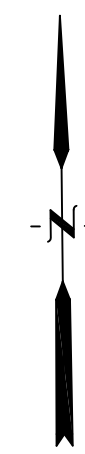
1000 S. KUNZ

BURNSVILLE, MN 55306

PH: 719.570.1100

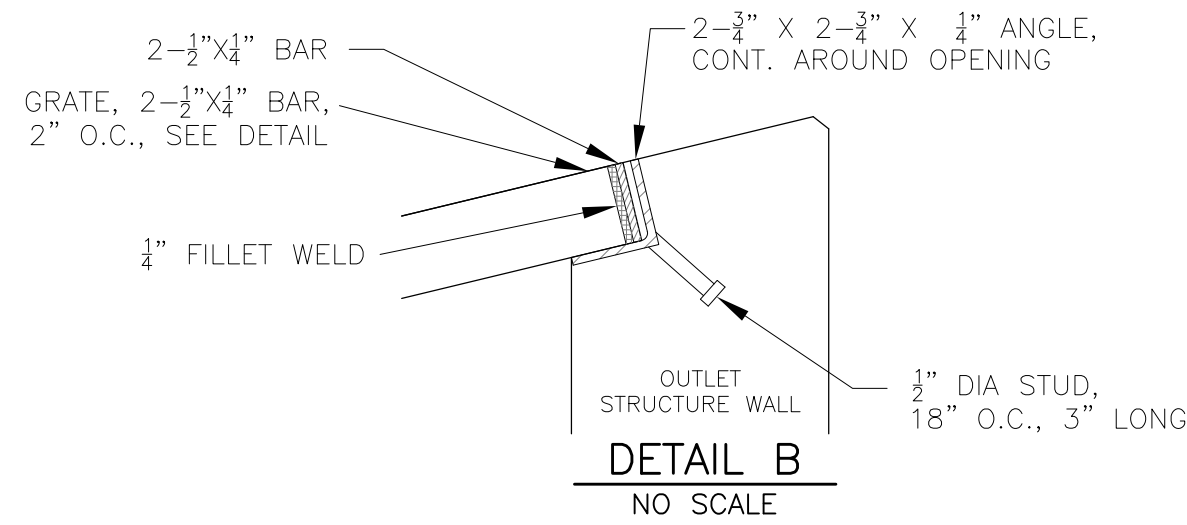
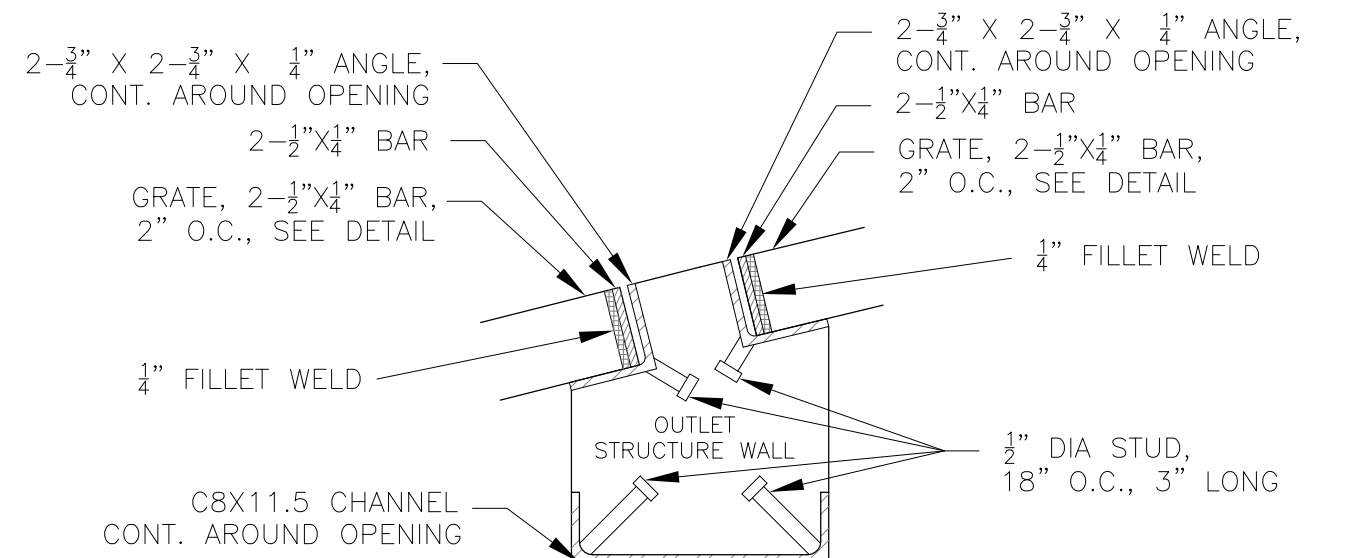
CONTACT: RICHARD L. SCHINDLER, P.E.

EMAIL: Rich@cegl.com

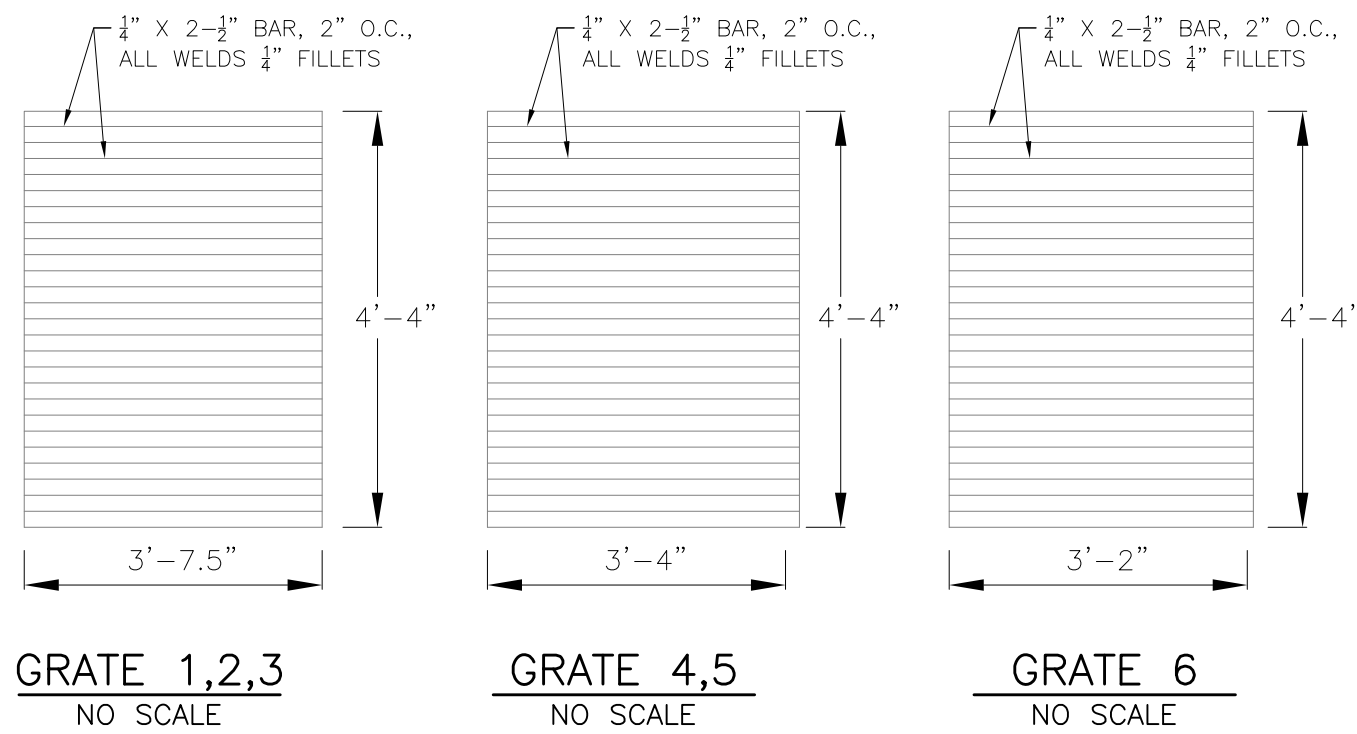


| NUMBER | NORTHING | EASTING | ELEVATION | NOTES |
|--------|----------|----------|-----------|--|
| 1 | 23387.77 | 21081.07 | 5706.00 | FOREBAY BOTTOM |
| 2 | 23411.23 | 21080.65 | 5706.00 | FOREBAY BOTTOM |
| 3 | 23413.11 | 21082.00 | 5706.00 | 24" RCP INVERT = 5706.30 |
| 4 | 23418.56 | 21086.01 | 5706.00 | 42" RCP INVERT = 5706.30 |
| 5 | 23421.39 | 21088.27 | 5706.00 | FOREBAY BOTTOM |
| 6 | 23418.08 | 21109.41 | 5706.00 | FOREBAY BOTTOM |
| 7 | 23418.55 | 21113.85 | 5706.00 | FOREBAY BOTTOM |
| 8 | 23412.50 | 21112.87 | 5706.00 | FOREBAY BOTTOM |
| 9 | 23388.09 | 21093.56 | 5706.00 | FOREBAY BOTTOM |
| 10 | 23397.61 | 21108.78 | 5705.50 | FOREBAY BOTTOM |
| 11 | 23401.87 | 21090.94 | 5705.90 | FOREBAY BOTTOM — AT ENERGY DISSIPATER WALL |
| 12 | 23413.71 | 21100.14 | 5705.90 | FOREBAY BOTTOM — AT ENERGY DISSIPATER WALL |



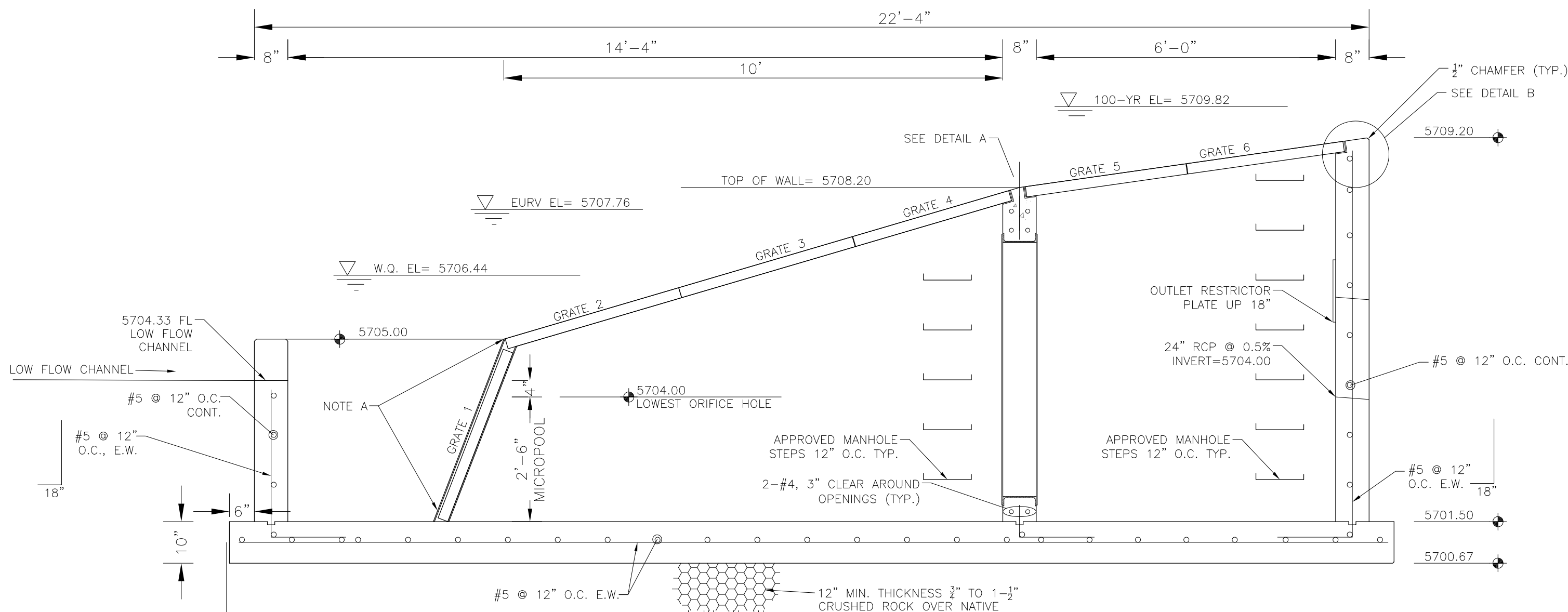
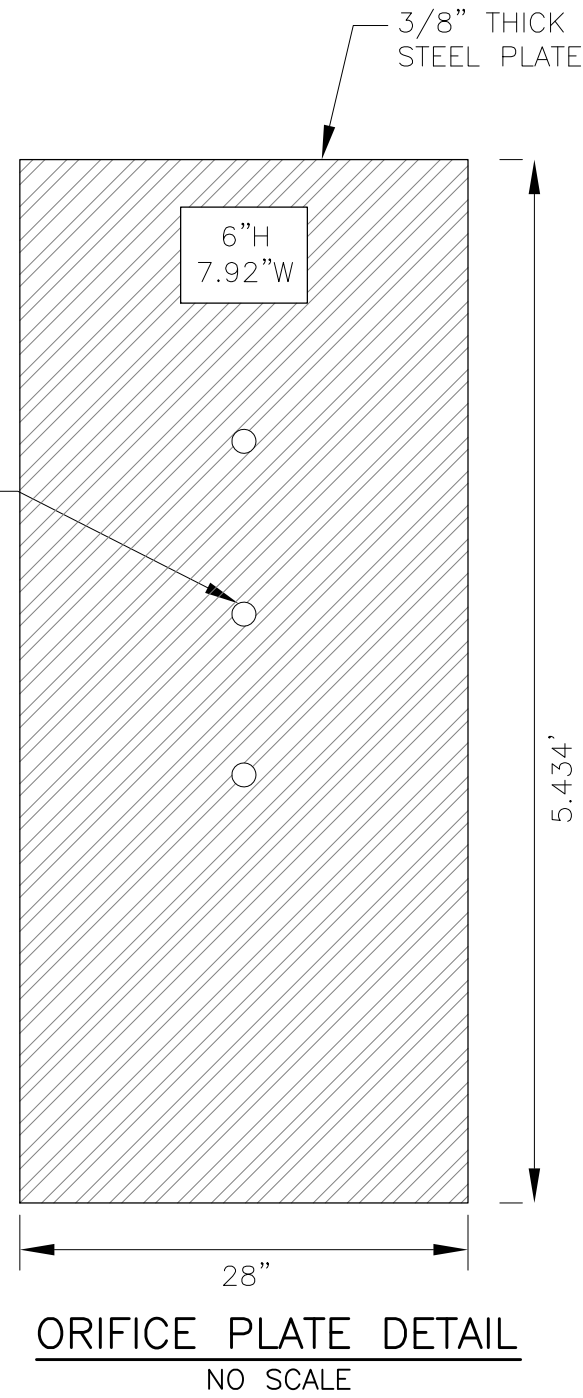
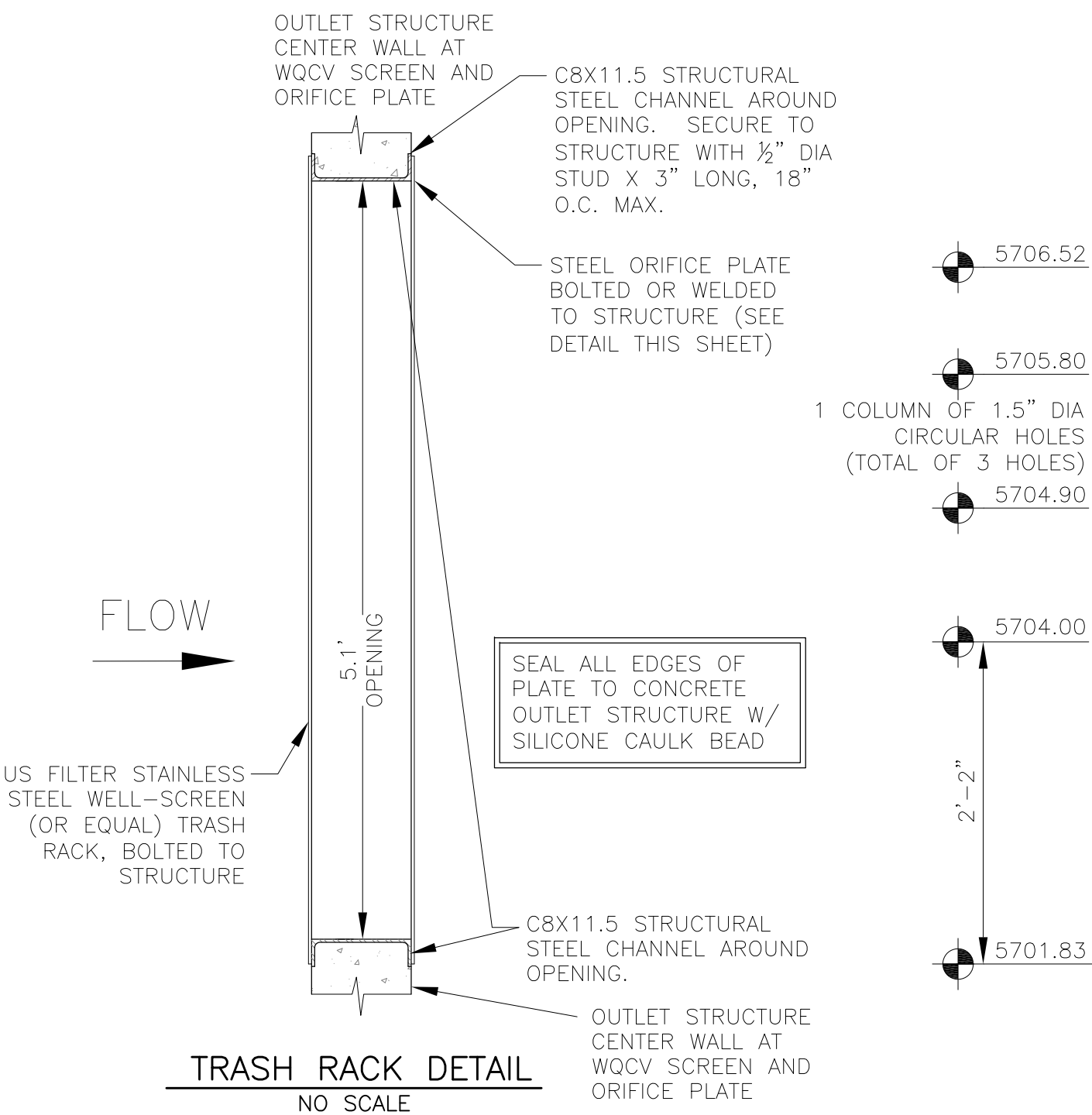


NOTE:
AFTER CONCRETE STRUCTURE HAS BEEN POURED
ALL GRATE DIMENSIONS SHALL BE FIELD VERIFIED
PRIOR TO GRATE CONSTRUCTION



GRATE 4,5
NO SCALE

GRATE 6
NO SCALE

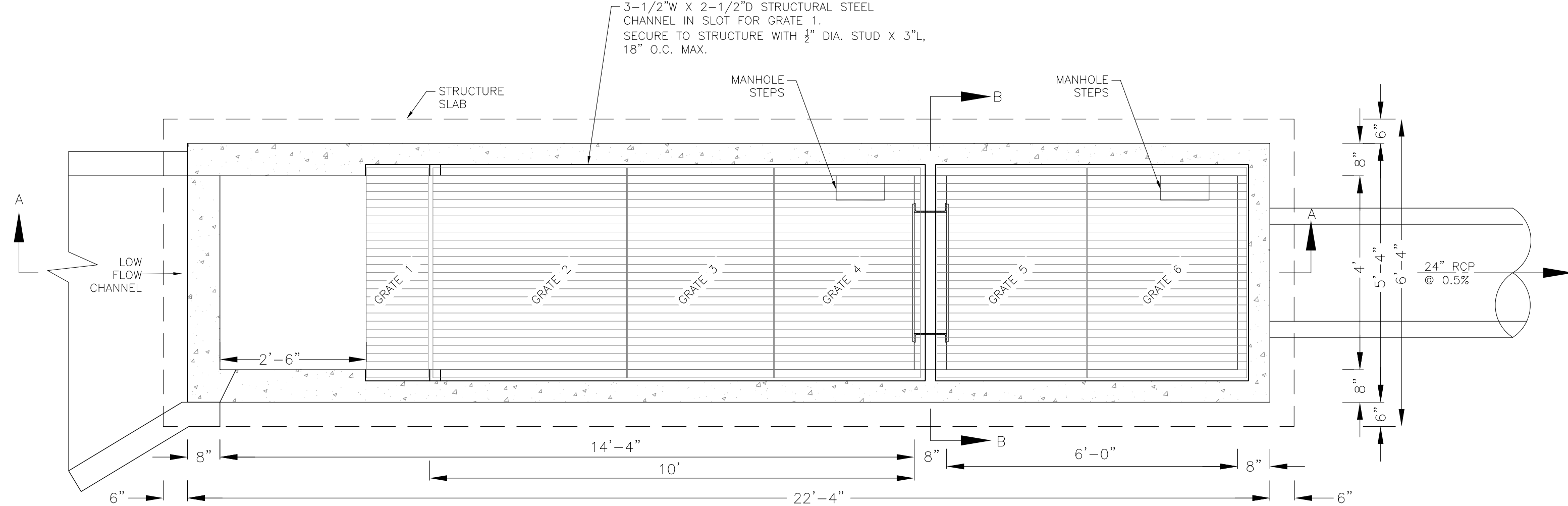


OUTLET STRUCTURE DETAIL - SECTION A-A
NO SCALE

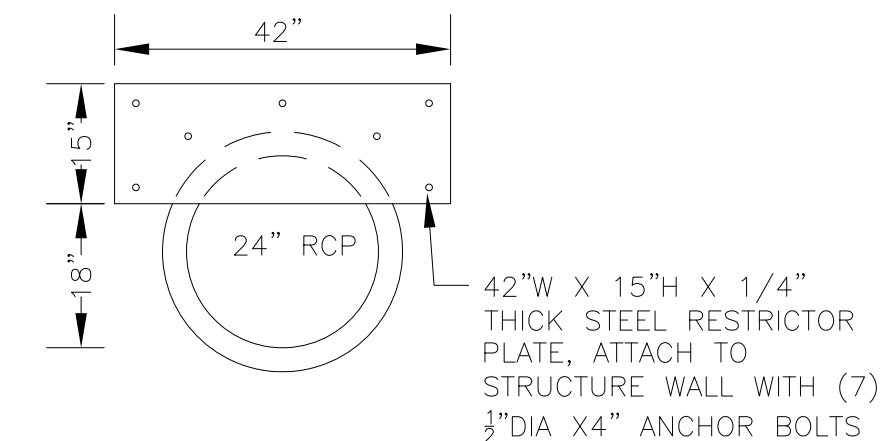
OUTLET STRUCTURE, FOREBAY, AND DRAIN CHANNEL NOTES:

- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL COMPONENTS OF THE OUTLET STRUCTURE.
- GRADE 60 REINFORCING STEEL REQUIRED. SEE TABLE FOR THE MINIMUM LAP SPLICE LENGTH FOR REINFORCING BARS. ALL REINFORCING STEEL SHALL HAVE A TWO-INCH MINIMUM CLEARANCE FROM EDGE OF CONCRETE, UNLESS OTHERWISE NOTED.
- CONCRETE FOR THE OUTLET STRUCTURE AND FOREBAY SHALL BE CDOT CLASS D CONCRETE.
- CONCRETE FOR DRAIN CHANNELS SHALL BE CDOT CLASS B CONCRETE
- EXPANSION JOINT MATERIAL SHALL MEET AASHTO SPECIFICATION M-213. EXPANSION JOINT MATERIAL SHALL BE 1/2" THICK, SHALL EXTEND THE FULL DEPTH OF CONTACT SURFACE AND THE JOINT SHALL BE SEALED, REFER TO DETAILS.
- ALL EXPOSED CONCRETE CORNERS SHALL HAVE A 3/8" CHAMFER UNLESS OTHERWISE NOTED.
- SUBGRADE TO BE 12" THICK CLEAN FILL COMPACTED TO 95% STANDARD PROCTOR DENSITY PER ASTM M698 UNDER STRUCTURE.
- REFER TO SHEET XX FOR PRESEDIMENTATION/FOREBAY DESIGN.
- ENGINEER SHALL BE NOTIFIED PRIOR TO BEGINNING CONSTRUCTION OF OUTLET STRUCTURE TO SCHEDULE OBSERVATION VISITS FOR STRUCTURES.

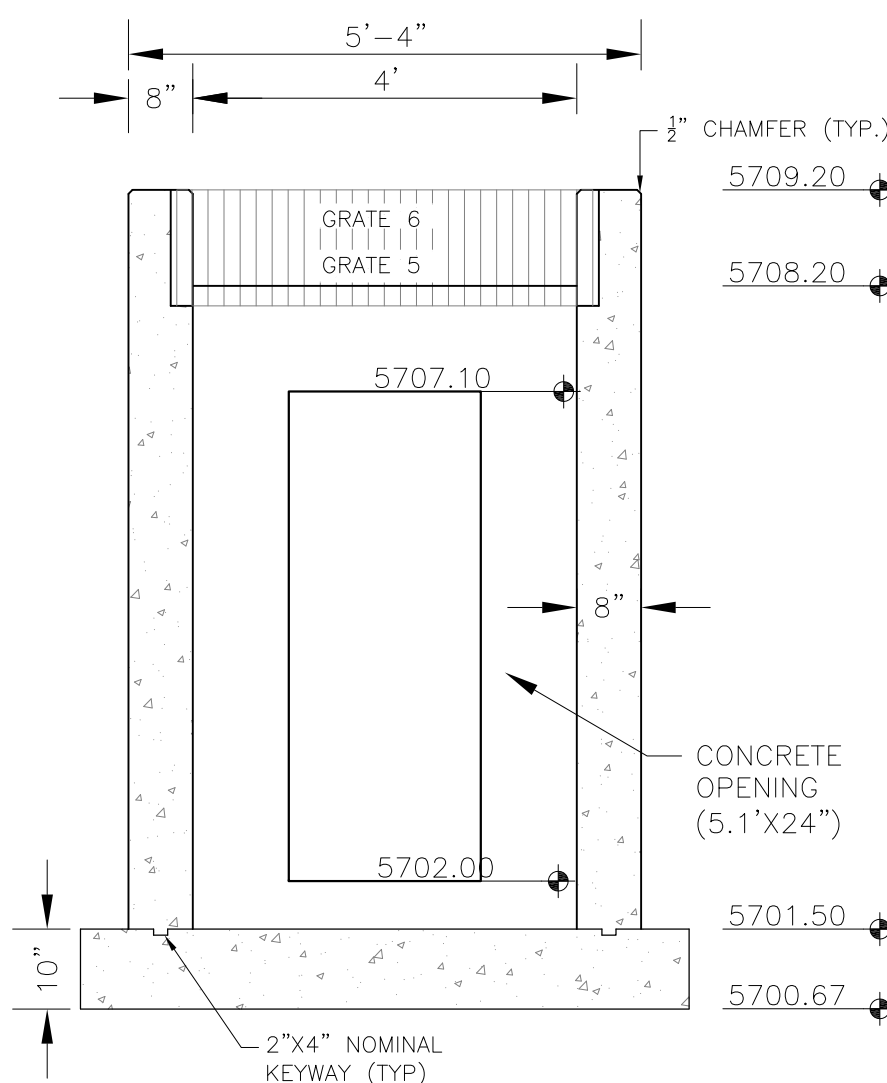
| BAR SIZE | #4 | #5 | #6 |
|--------------------|-------|-------|-------|
| MIN. SPLICE LENGTH | 1'-3" | 1'-7" | 2'-0" |



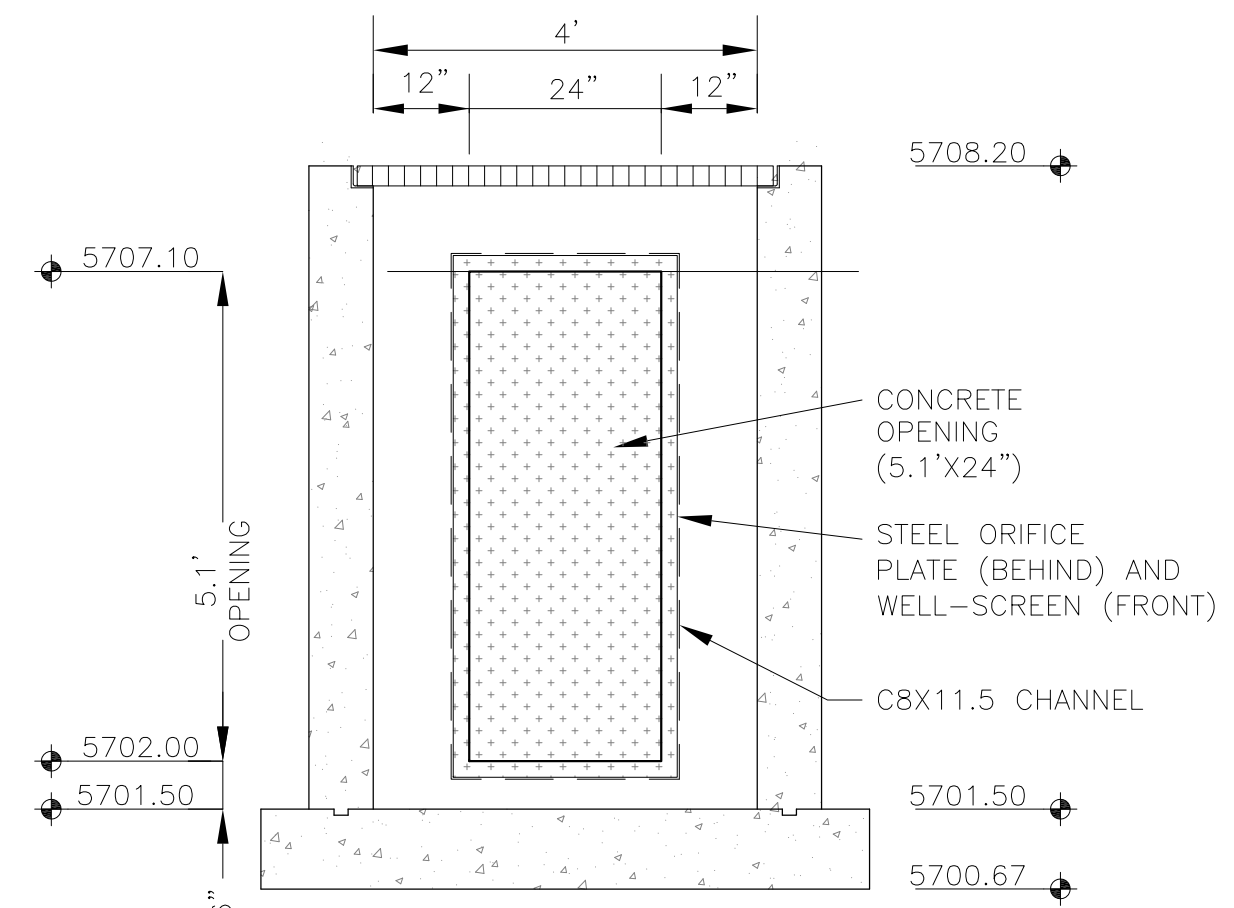
OUTLET STRUCTURE DETAIL - PLAN VIEW
NO SCALE



OUTLET RESTRICTOR PLATE
NO SCALE



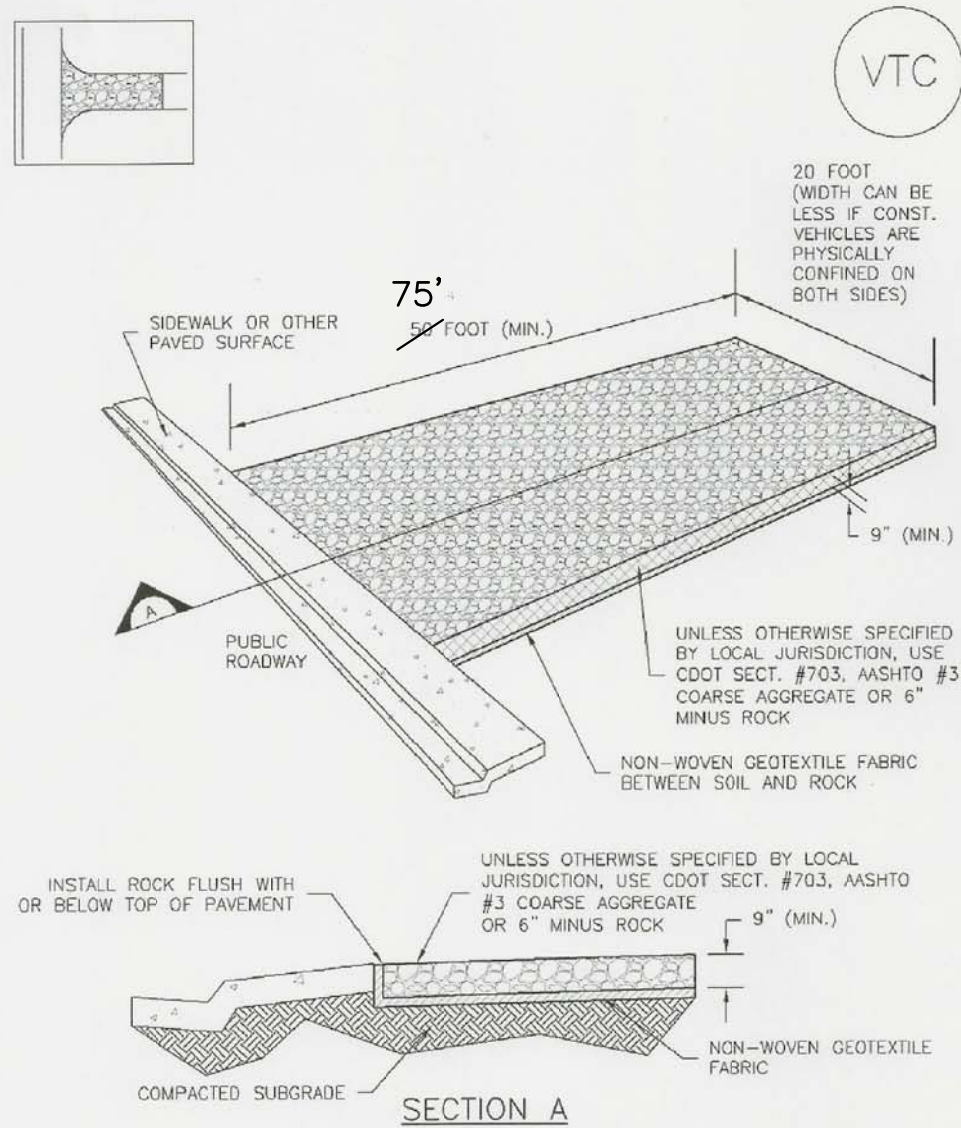
OUTLET STRUCTURE DETAIL - SECTION B-B
NO SCALE



OUTLET STRUCTURE DETAIL - SECTION B-B
NO SCALE

Vehicle Tracking Control (VTC)

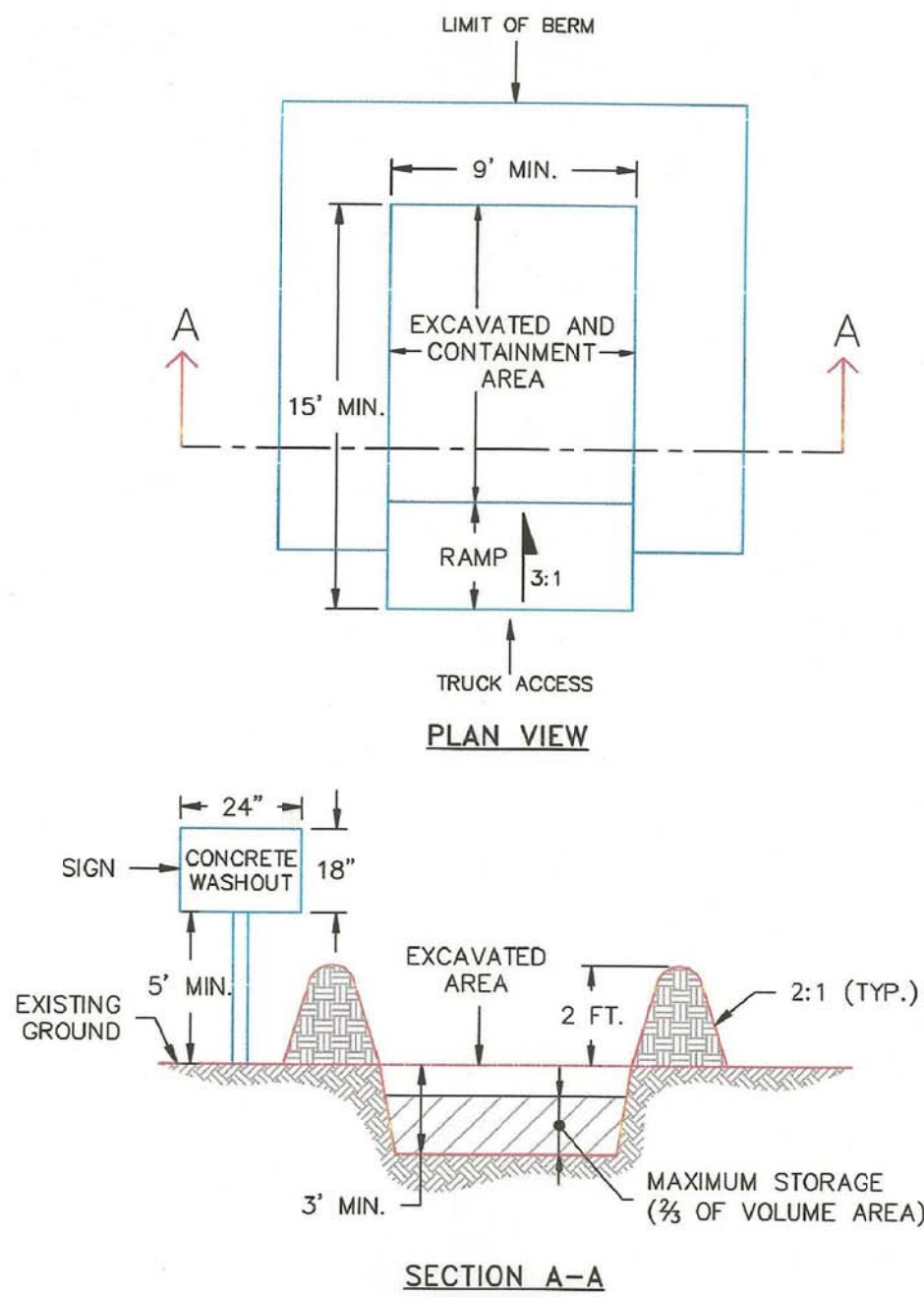
SM-4



VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

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

VTC-3



- NOTES:
1. SIGN MATERIAL, EXCAVATION, AND RESTORATION ARE INCLUDED IN THE COST OF THE CONCRETE WASHOUT STRUCTURE.
 2. EROSION BALES MAY BE USED AS AN ALTERNATIVE FOR THE BERM.

1/1/08
DATE APPROVED:

John A. McCarty
DEPARTMENT OF TRANSPORTATION

Concrete Washout Structure

Standard Drawing

REVISION DATE: 7/17/07
FILE NAME: SD_3-84



SEED MIX TABLE

GRASS MIX FOR QUICK REVEGETATION ALL SITES:

| GRASS | VARIETY | AMOUNT IN PLS LBS PER ACRE |
|---------------------|--------------------|----------------------------|
| CRESTED WHEAT GRASS | EPHRAIM OR HYCREST | 4.0 |
| PERENNIAL RYE | LINN | 2.0 |
| WESTERN WHEAT GRASS | BARTON | 3.0 |
| SMOOTH BROME GRASS | LINCOLN OR MANCHAR | 5.0 |
| SIDEOATS GRAMA | EL RENO | 2.5 |
| TOTAL | | 16.5 LBS |

GRASS MIX FOR SANDY SOILS:

| GRASS | VARIETY | AMOUNT IN PLS LBS PER ACRE |
|---------------------|-------------|----------------------------|
| SIDEOATS GRAMA | EL RENO | 3.0 |
| WESTERN WHEAT GRASS | BARTON | 2.5 |
| SLENDER WHEAT GRASS | NATIVE | 2.0 |
| LITTLE BLUESTEM | PASTURA | 2.0 |
| SAND DROPSEED | NATIVE | 0.5 |
| SWITCH GRASS | NEBRASKA 28 | 3.0 |
| WEEPING LOVE GRASS | MORPHA | 1.0 |
| TOTAL | | 14.0 LBS |

GRASS MIX FOR HEAVIER SOIL AREAS:

| GRASS | VARIETY | AMOUNT IN PLS LBS PER ACRE |
|---------------------|--------------------|----------------------------|
| WESTERN WHEAT GRASS | BARTON | 5.0 |
| SIDEOATS GRAMA | EL RENO | 3.0 |
| SLENDER WHEAT GRASS | SODAR | 2.5 |
| SMOOTH BROME | LINCOLN OR MANCHAR | 4.0 |
| CRESTEDWHEAT GRASS | EPHRAIM | 3.0 |
| TOTAL | | 17.5 LBS |

CORE
ENGINEERING GROUP



DATE

X

DESCRIPTION

X

NO.

1

DRAWN: RLS
DESIGNED: RLS
CHECKED: RLS

PREPARED FOR:

LORSON LLC

212 N. WAHSATCH AVE. SUITE 301

COLORADO SPRINGS, COLORADO 80903

CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@ceg1.com

PROJECT:

CARRIAGE MEADOWS

NORTH FILING NO. 1

LORSON RANCH
EL PASO COUNTY, COLORADOGRADING AND EROSION
CONTROL DETAILS

DATE

DECEMBER, 2017

PROJECT NO.



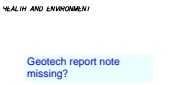

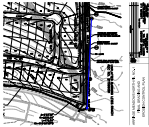

100.002

SHEET NUMBER

C9.4

TOTAL SHEETS: 9

Markup Summary

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