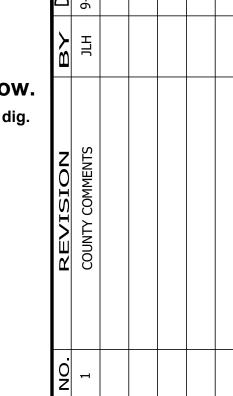
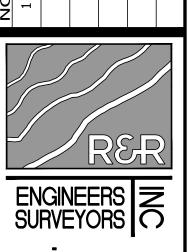
GRADING AND EROSION CONTROL PLAN 208 CUNNINGHAM DRIVE

LOCATED IN LOT 4, BLOCK 5, 1 REFILL SECURITY, COLORADO ADDITION 4 WITHIN A PORTION OF THE NORTHEAST QUARTER OF SECTION 11, TOWNSHIP 15 SOUTH, RANGE 66 WEST OF THE SIXTH P.M., COLORADO SPRINGS, EL PASO COUNTY, STATE OF COLORADO LOCATED AT: 208 CUNNINGHAM DR, COLORADO SPRINGS, CO 80911







ENGINEERS

FOUNTAIN

GRADING AND EROSION CONTROL PLAN JOB NO. FV21181 ORG. SUBM. DATE 12/22/2023 JMP CHKD: DW

COVER SHEET

| PROJECT | CUNNINGHAM DRIVE SWE CUNNINGHAM DRIVE | The state of the s |
|---------|---|--|
| | BIRCH DRIVE | |
| | VICINITY MAP SCALE 1" = 500' | |

| Sheet List Table | | | |
|------------------|--|--|--|
| Sheet Number | Sheet Title | | |
| C1.0 | COVER SHEET | | |
| C1.1 | GENERAL NOTES | | |
| C2.0 | INITIAL GRADING & EROSION CONTROL PLAN | | |
| C3.0 | FINAL GRADING & EROSION CONTROL PLAN | | |
| C4.0 | GEC DETAILS | | |

| CONTACT LIST | | | | |
|---|----------------------------------|----------------------------------|--|--|
| OWNER | CIVIL ENGINEER | SURVEYOR | | |
| FOUNTAIN VALLEY SALVATION ARMY CORPS | R&R ENGINEERS-SURVEYORS, LLC | R&R ENGINEERS-SURVEYORS, LLC | | |
| 208 CUNNINGHAM DRIVE | 1635 WEST 13TH AVENUE, SUITE 310 | 1635 WEST 13TH AVENUE, SUITE 310 | | |
| COLORADO SPRINGS, CO 80911 | DENVER, CO 80204 | DENVER, CO 80204 | | |
| (719) 382-1182 | (303) 753-6730 | (720) 381-2439 | | |
| QUIANA.VARGAS@USW.SALVATIONARMY. ORG | TSTACKHOUSE@RRENGINEERS.COM | KKUCHARCZYK@RRENGINEERS.COM | | |
| CONTACT: QUIANA VARGAS | CONTACT: TIM STACKHOUSE, P.E. | CONTACT: KEVIN KUCHARCZYK | | |

BEARINGS ARE BASED ON THE NORTH LINE OF LOT 6, BLOCK 1 OF REFILING OF SECURITY, COLORADO ADDITION NO. 4 AS MONUMENTED AT THE WEST END BY A FOUND 3/4" BAR AND AT THE EAST END BY A NO. 4 REBAR. SAID LINE IS ASSUMED TO

THE BENCHMARK FOR THIS SURVEY IS A NO. 4 REBAR LOCATED ALONG THE EASTERN BOUNDARY OF THE SUBJECT PARCEL (SEE SHEET 2). THE ELEVATION WAS DERIVED FROM GPS OBSERVATIONS USING AN OPUS DERIVED SOLUTION. ELEVATION: 5801.58 FEET (NAVD 1988 DATUM)

LEGAL DESCRIPTION PER TITLE COMMITMENT

LOTS 4 AND 5, BLOCK 1, REFILING OF SECURITY, COLORADO ADDITION NO. 4, COUNTY OF EL PASO, STATE OF COLORADO.

LOT 6, BLOCK 1, REFILING OF SECURITY, COLORADO ADDITION NO. 4, COUNTY OF EL PASO, STATE OF COLORADO

Engineer's Statement (for standalone GEC plan):

This Grading and Erosion Control Plan was prepared under my direction and supervision and is correct to the best of 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 plan.

Engineer of Record Signature

Owner's Statement (for standalone GEC Plan):

I, the owner/developer have read and will comply with the requirements of the Grading and Erosion

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 conformed at the job site. The County through the approval if this document assumes no responsibility for completeness and/ or accuracy of the 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 Director's Discretion.

County Engineer/ECM Administrator

PCD FILE NO. CDR242

EL PASO COUNTY GRADING & EROSION CONTROL STANDARD NOTES:

- 1. 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.
- 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 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.
- 3. A SEPARATE STORMWATER MANAGEMENT PLAN (SMWP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION.

 MANAGEMENT OF THE SWMP DURING CONSTRUCTION IS THE 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 ESQCP IS APPROVED AND A "NOTICE TO PROCEED" HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED 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 STAFF.
- 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 SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE ACTIVITIES SHALL ASSESS THE ADEQUACY OF CONTROL MEASURES AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CONTROL MEASURES ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CONTROL MEASURES. ALL 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 DISTURBING 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 ARE COMPLETE AND ALL DISTURBED AREAS EITHER HAVE A UNIFORM VEGETATIVE COVER WITH INDIVIDUAL PLANT DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS ESTABLISHED OR EQUIVALENT PERMANENT ALTERNATIVE STABILIZATION METHOD IS IMPLEMENTED. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON 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 EFFECT THE DESIGN OR FUNCTION OF PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
- 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 SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A WATERS 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 SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF COMPACTION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENED PRIOR TO INSTALLATION OF THE CONTROL MEASURE(S).
- 12. ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF-SITE.
- 13. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUTS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK OR STREAM.
- 14. DURING DEWATERING OPERATIONS, UNCONTAMINATED GROUNDWATER MAY BE DISCHARGED ON-SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF UNLESS AN APPROVED STATE DEWATERING PERMIT IS IN PLACE.
- 15. EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
- 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. 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. CONTROL MEASURES MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
- 18. TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
- 19. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
- 20. 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.
- 21. NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ON-SITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN
- GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.

 22. BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55
 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS ON-SITE AND TO
 PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE
- 23. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
- 24. OWNER/DEVELOPER AND THEIR AGENTS 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 OF THE LAND DEVELOPMENT CODE, DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (1041, NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
- 25. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.

27. A WATER SOURCE SHALL BE AVAILABLE ON-SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS

- 26. PRIOR TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.

 28. THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY NRCS, 8/21/2021 AND SHALL BE CONSIDERED A PART OF
- THESE PLANS.

 29. AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (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

GRADING AND EROSION CONTROL PLAN 208 CUNNINGHAM DRIVE

LOCATED IN LOT 4, BLOCK 5, 1 REFILL SECURITY, COLORADO ADDITION 4 WITHIN A PORTION OF THE NORTHEAST QUARTER OF SECTION 11, TOWNSHIP 15 SOUTH, RANGE 66 WEST OF THE SIXTH P.M., COLORADO SPRINGS, EL PASO COUNTY, STATE OF COLORADO LOCATED AT: 208 CUNNINGHAM DR, COLORADO SPRINGS, CO 80911



Modern County Comments JLH

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ENGINEERS SURVEYORS C

SR ENGINEERS-SURVEYORS
1635 WEST 13TH AVENUE, SUITE 3
DENVER, COLORADO 80204
PHONE: 303-753-6730

WWW.RRENGINEERS.COM

HAM DRIVE NGS, CO 80911 SALVATION ARMY GHAM DR

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COLORADO S
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ED FOR: FOUNTAIN VALL
208 CUN
COLORADO S

GRADING AND EROSION CONTROL PLA

JOB NO. FV21181

DRG. SUBM. DATE 12/22/2023

DWN: JMP CHKD: DV

NAME

GENERAL NOTES

C1.1

MASTER LEGEND

| EXISTING | DESCRIPTION | PROPOSED |
|--|--------------------------------|---|
| | PROPERTY LINE | |
| | - LOT LINE | |
| · · · — · · · — · · · – | RIGHT OF WAY | |
| | CENTERLINE | |
| · · | FLOOD PLAIN | · · |
| | LIMITS OF DISTURBANCE | LOD — |
| | | |
| | SWALE / STREAM FLOWLINE | ~~ ~ |
| x | OVERFLOW RELIEF PATH | X |
| | FENCE LINE | |
| | EASEMENT EDGE OF PAYEMENT | |
| | EDGE OF PAVEMENT | |
| | VERTICAL CURB AND GUTTER | |
| | MOUNTABLE CURB AND GUTTER | |
| | SPILL GUTTER | |
| | TRANSITION GUTTER | |
| | CONCRETE SIDEWALK | |
| | | |
| | HANDICAP PARKING | |
| | | <u> </u> |
| | SIGHT TRIANGLE | |
| | | <u> </u> |
| -0-0- | SIGN(S) | |
| | PARKING COUNT INDICATOR | ♦ ⑦ |
| - | MAJOR CONTOUR | 5825 |
| —— — <i>5822</i> — — — | MINOR CONTOUR | 5822 |
| · - | GRADE BREAK | · |
| 22 22 | | 22 22 |
| $52 \frac{22}{FG} \qquad 5236 \frac{22}{FG}$ | SPOT ELEVATION | $52\frac{22}{\text{FG}}$ $5236\frac{22}{\text{FG}}$ |
| ROS 1927 | | ROBERT - |
| | RIP RAP | |
| 147 | | |
| | - WATER LINE | |
| | WATER METER | |
| | WATER VALVE | ⊗ • ⊗ |
| , i l l | WATER REDUCER | |
| - | WATER FITTINGS | ーーノ 」 + + |
| | FIRE HYDRANT | |
| SS | SANITARY LINE | SS |
| (\$\$) | SANITARY MANHOLE | |
| • — — — — | SANITARY CLEANOUT | <u> </u> |
| | STORM SEWER PIPE | |
| | STORM SEWER MANHOLE | |
| | STORM SEWER INLET | |
| | STORM SEWER FLARED END SECTION | |
| | STORM SEWER HEADWALL | |
| Е — | UNDERGROUND ELECTRIC | —— Е ——— |
| OU | OVERHEAD ELECTRIC | OHE |
| Ø | UTILITY POLE | Ø |
| \$ | STREET LIGHT | ф |
| CATV | CABLE TV SERVICE | CATV |
| т — | TELECOM SERVICE | — т — |
| FO | FIBER OPTIC SERVICE | FO |
| G | NATURAL GAS SERVICE | G |
| | | |
| | TREE | |
| \(\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(\)\ | · · ·—— | |

BMP LEGEND ROCK CHECK DAM COMPOST BLANKET COMPOST FILTER BERM (CWA) CONCRETE WASHOUT AREA (CF) CONSTRUCTION FENCE (CM) CONSTRUCTION MARKERS DEWATERING (DD) DIVERSION DITCH ROCK AND RIPRAP GRADATIONS EROSION CONTROL BLANKET INLET PROTECTION (RCD) REINFORCED CHECK DAM REINFORCED ROCK BERM RRB FOR CULVERT PROTECTION (SB) SEDIMENT BASIN (SCL) SEDIMENT CONTROL LOG SEDIMENT TRAP (SM) SEEDING AND MULCHING (SF) SILT FENCE STABILIZED STAGING AREA (SR) \mathcal{M} SURFACE ROUGHENING TEMPORARY ROAD CROSSING TEMPORARY SLOPE DRAIN TEMPORARY STREAM CROSSING (TER) TERRACING (VTC) VEHICLE TRACKING CONTROL VTC WITH WHEEL WASH (**A**) A LOT EROSION CONTROL B LOT EROSION CONTROL ______ LIMITS OF CONSTRUCTION/LIMITS OF DISTURBANCE PROP. STORMWATER FLOW ARROWS EX. STORMWATER FLOW ARROWS PROP. CUT/FILL BOUNDARY (SP) PROP. STOCKPILE PROTECTION

STANDARD NOTES FOR EL PASO COUNTY CONSTRUCTION PLANS:

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 DOT AND MUTCD CRITERIA. [IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]

14.CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, INCLUDING WORK WITHIN THE

RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.

15.THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE

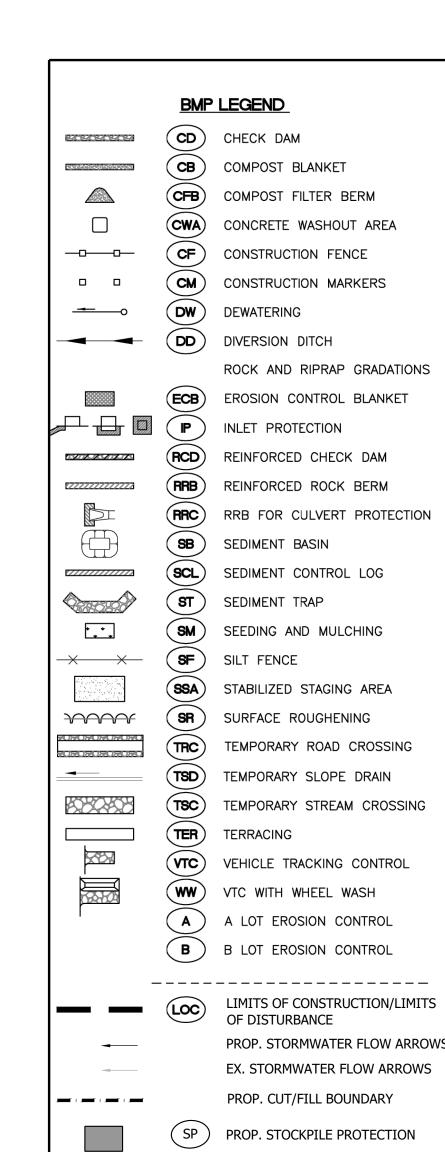
15.THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

16.EL PASO COUNTY DOES NOT OWN AND IS NOT RESPONSIBLE FOR THE UNDERDRAINS OR GROUNDWATER DISCHARGE SYSTEMS SHOWN ON THESE PLANS AND ASSUMES NO LIABILITY FOR WATER RIGHTS ADMINISTRATION BY APPROVING THESE PLANS. MAINTENANCE AND WATER RIGHTS ARE THE RESPONSIBILITY OF THE DEVELOPER AND PROPERTY OWNER'S.

GRADING AND EROSION CONTROL PLAN 208 CUNNINGHAM DRIVE

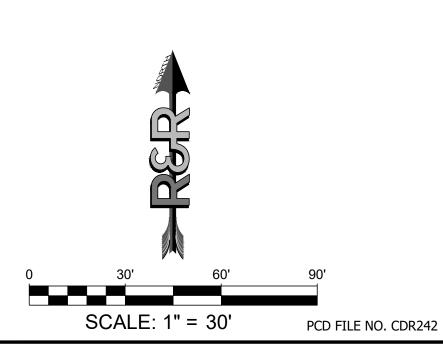
LOCATED IN LOT 4, BLOCK 5, 1 REFILL SECURITY, COLORADO ADDITION 4 WITHIN A PORTION OF THE NORTHEAST QUARTER OF SECTION 11, TOWNSHIP 15 SOUTH, RANGE 66 WEST OF THE SIXTH P.M., COLORADO SPRINGS, EL PASO COUNTY, STATE OF COLORADO LOCATED AT: 208 CUNNINGHAM DR, COLORADO SPRINGS, CO 80911

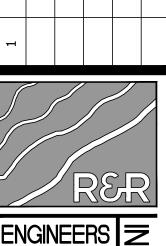




GEC CHECKLIST NOTES:

- 1. EXISTING VEGETATION CONSISTS OF SPARSE NATIVE GRASS
- 2. MINIMAL TREES AND SHRUBS EXIST ONSITE AND ARE NOT TO BE DISTURBED 3. AREAS OF CUT/FILL: THE LIMITS OF THE INFILTRATION POND IS NOTED ON THE PLAN SHEET



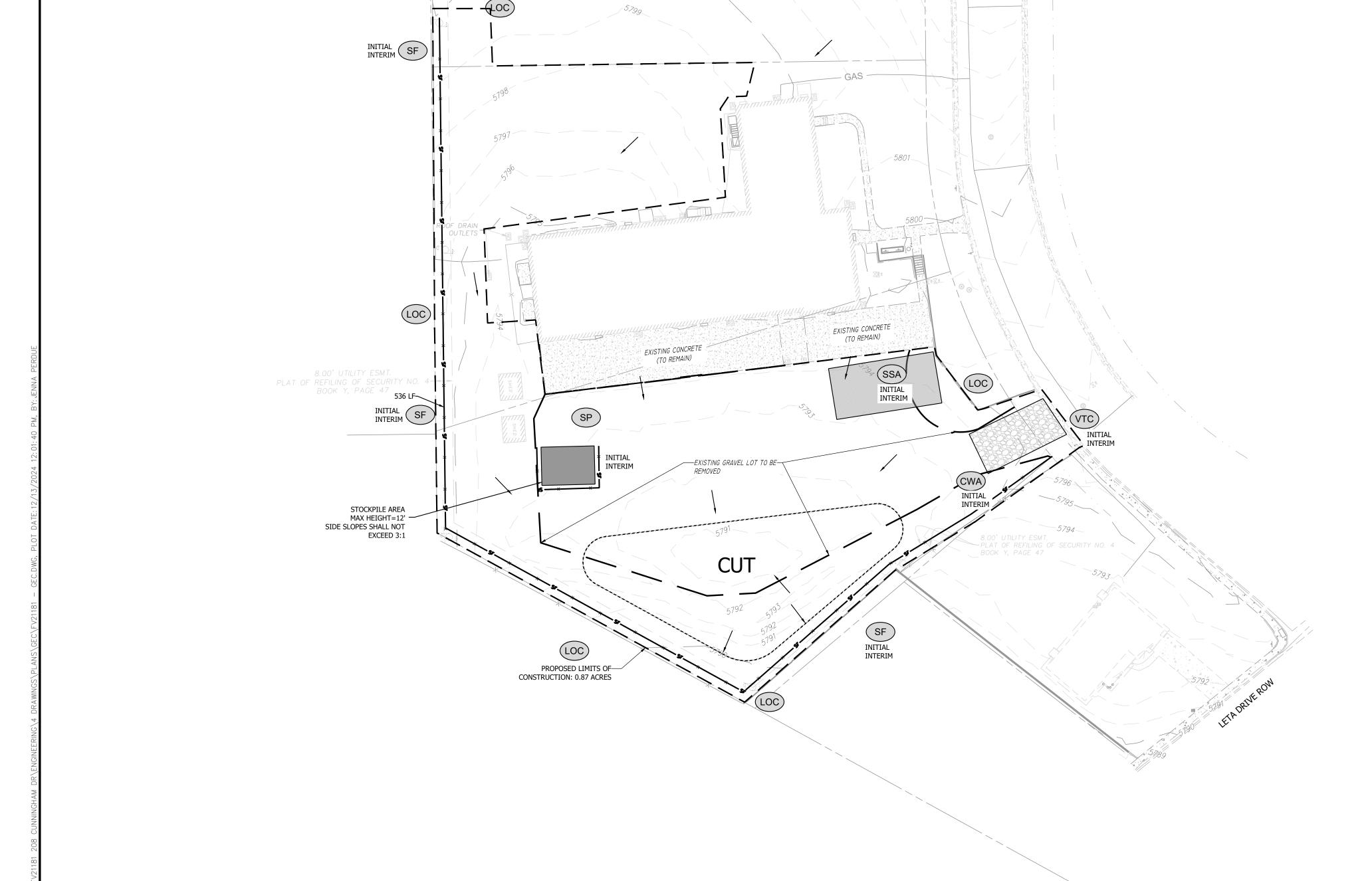


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GRADING AND EROSION CONTROL PLAI OB NO. FV21181 ORG. SUBM. DATE 12/22/2023 JMP CHKD:

INITIAL GRADING & EROSION **CONTROL PLAN**

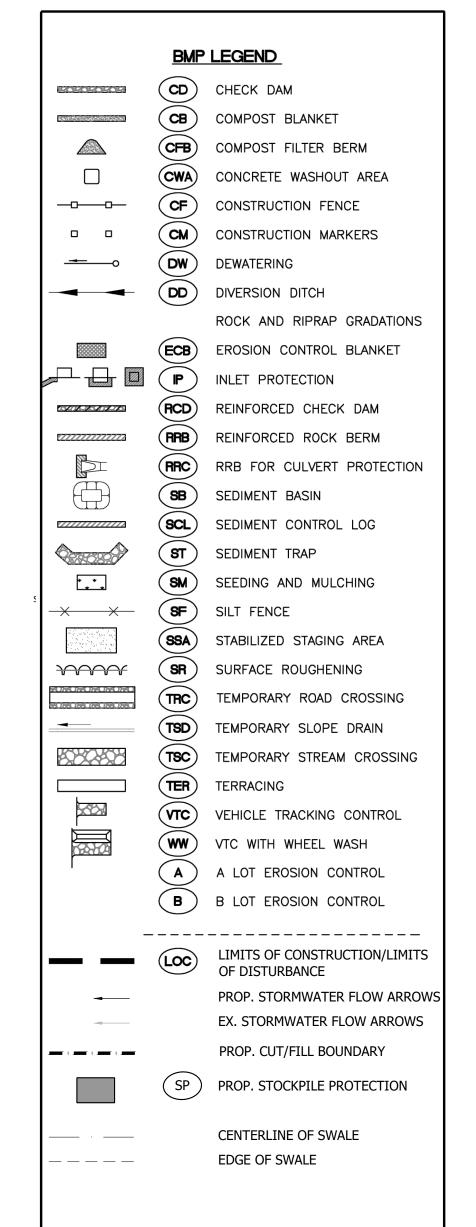


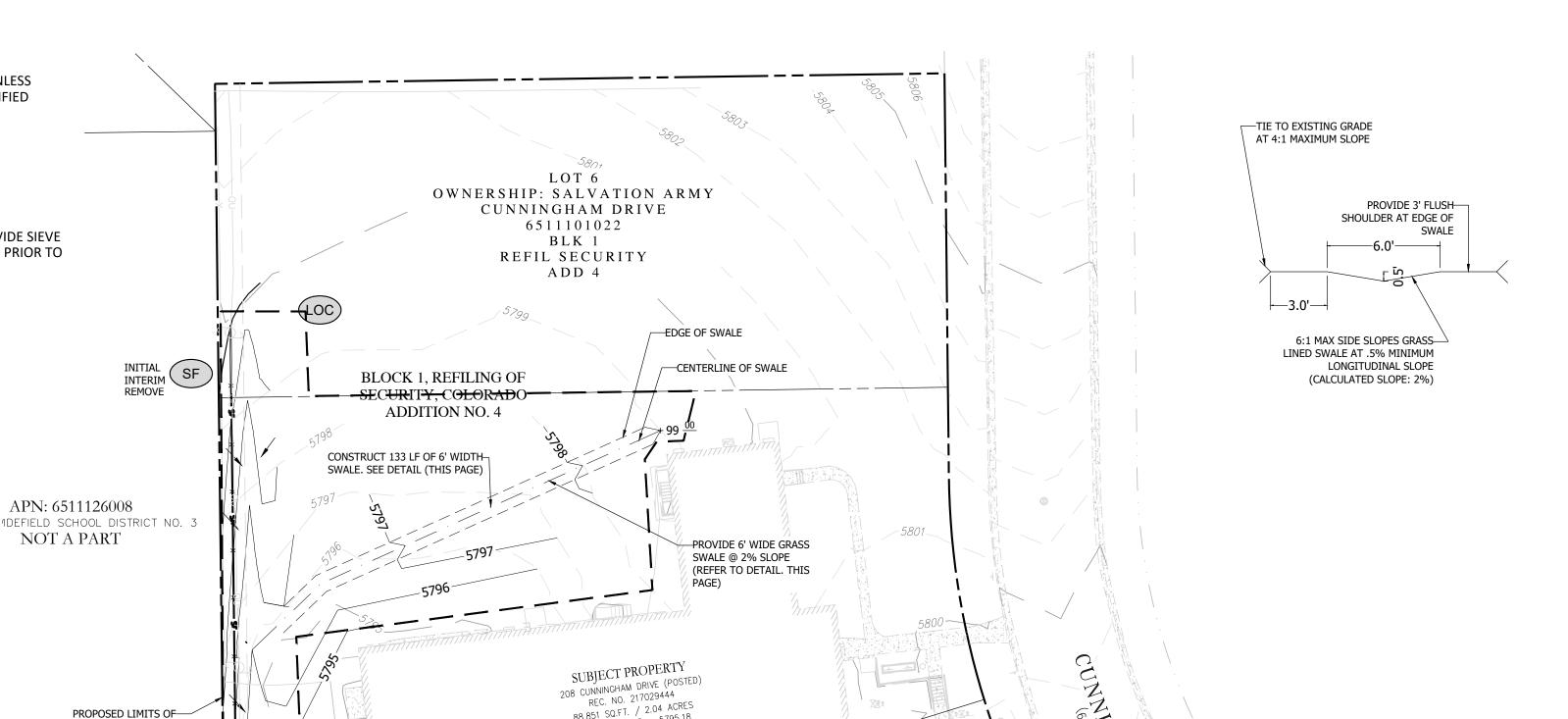
SOIL MATRIX AMENDMENT CONTRACTOR REQUIRED TO REMOVE 2 FT OF NATIVE SOIL FROM THE LIMITS OF THE POND AND REPLACE WITH WELL GRADED GRAVELY SANDS. CONTRACTOR REQUIRED TO PROVIDE A GRADATION OR SIEVE ANALYSIS AND PERMEABILITY RATES OF IMPORT SAND TO EOR FOR APPROVAL PRIOR TO PLACEMENT OF POROUS LANDSCAPE DETENTION SHOULD NOT BE INSTALLED UNTIL FINAL STABILIZATION OF THE SITE. NAME OF THE PROPERTY OF THE PR SCARIFY SUBGRADE MIN. DEPTH OF 6". PROVIDE LIMITED COMPACTION **BIORETENTION CROSS** SECTION N.T.S. TABLE BR-3. BIORETENTION MEDIA PROPERTIES Particle Size Distribution: 70-80% Sand (0.05-2.0 mm diameter) 5-25% Silt (0.002-0.05 mm diameter) **ASTM D7928** 5-15% Clay (<0.002 mm diameter) Sedimentation Texture/Gradation (Hydrometer) Sand, silt and clay percentages are by dry weight. Method Particle sizes are based on the USDA soil classification system. Distribution is measured after gravel > 2 mm is removed from sample. Media should have Equivalent sieve sizes for the upper and lower limit of sand are #10 and #240, Organic Matter ASTM D2974 1-5% by dry weight ASA/AASHTO 6.0 - 8.5 Salinity/Salts (EC) dS/m or Saturated Paste <3 Nitrate Nitrogen (ppm) ASA2 33-3 <30 Olsen: <20 or Use Olsen when pH>6.2, otherwise Mehlich-3: <30 Phosphorus (ppm) use Mehlich-3

GRADING AND EROSION CONTROL PLAN 208 CUNNINGHAM DRIVE

LOCATED IN LOT 4, BLOCK 5, 1 REFILL SECURITY, COLORADO ADDITION 4 WITHIN A PORTION OF THE NORTHEAST QUARTER OF SECTION 11, TOWNSHIP 15 SOUTH, RANGE 66 WEST OF THE SIXTH P.M., COLORADO SPRINGS, EL PASO COUNTY, STATE OF COLORADO LOCATED AT: 208 CUNNINGHAM DR, COLORADO SPRINGS, CO 80911







| COMMON NAME | SCIENTIFIC NAME | VARIETY | PURE LIVE SEED (PLS) | |
|---------------------------------|-------------------------------|---|----------------------|-------------|
| | | | POUNDS/ACRE | OUNCES/ACRE |
| Sand bluestem | Andropogon hallii | Garden | 3.5 | |
| Sideoats grama | Bouteloua curtipendula | Butte | 3 | |
| Prairie sandreed | Calamovilfa longifolia | Goshen | 3 | |
| Indian ricegrass | Oryzopsis hymenoides | Paloma | 3 | |
| Switchgrass | Panicum virgatum | Blackwell | 4 | |
| Western wheatgrass | Pascopyrum smithii | Ariba | 3 | |
| Little bluestem | Schizachyrium scoparium | Patura | 3 | |
| Alkali sacaton | Sporobolus airoides | | 3 | |
| Sand dropseed | Sporobolus cryptandrus | | 3 | |
| Pasture sage¹ | Artemisia frigida | | | 2 |
| Blue aster ¹ | Aster laevis | 5 5 6 7 | | 4 |
| Blanket flower ¹ | Gaillardia aristata | | | 8 |
| Prairie coneflower ¹ | Ratibida columnifera | 1 | | 4 |
| Purple Prairie Clover | Dalea (Petalostemum) purpurea | | | 4 |
| Sub-Totals: | | | 27.5 | 22 |

24" MINIMUM UNLESS

OTHERWISE SPECIFIED

CONSTRUCTION: 0.40 ACRES

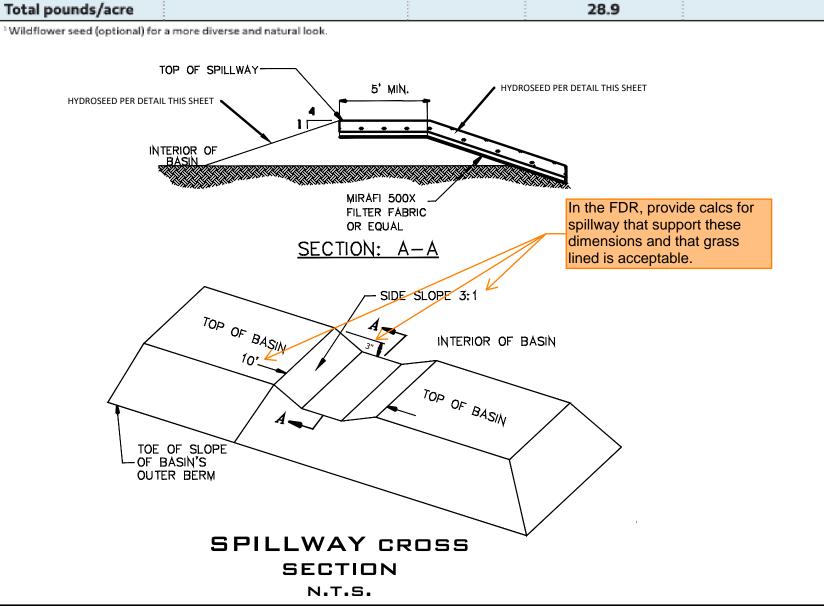
0.40 ACRES

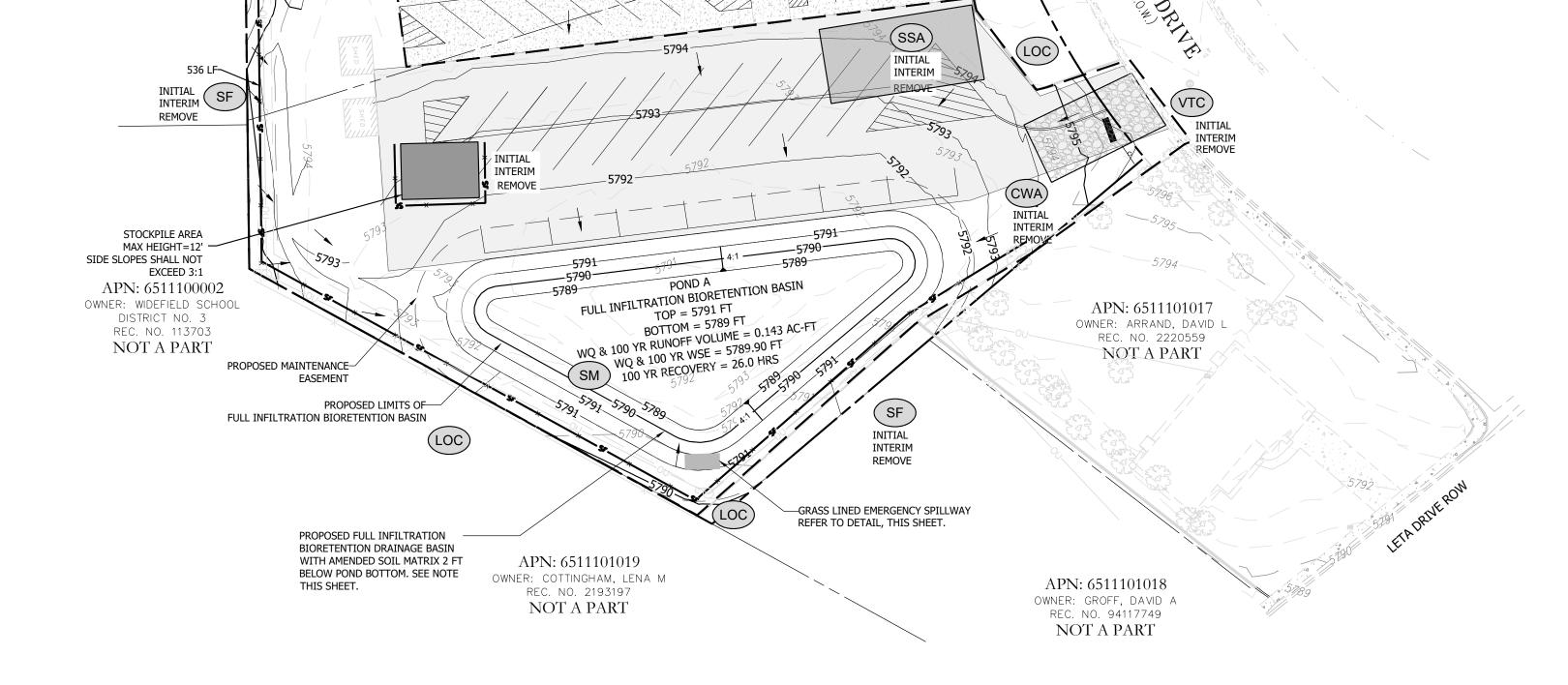
IMPORT CLEAN SANDS (CONTRACTOR TO PROVIDE SIEVE

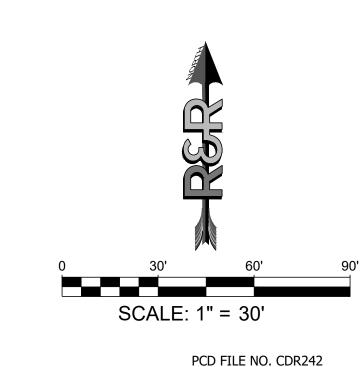
ANALYSIS AND PERMEABILITY TESTING TO EOR PRIOR TO

PLACEMENT

BIORETENTION MEDIA PROPERTIES







ALVATION DUNTAIN GRADING AND EROSION CONTROL PLAI ORG. SUBM. DATE 12/22/2023 JMP CHKD: FINAL GRADING 8 **EROSION**

CONTROL PLAN

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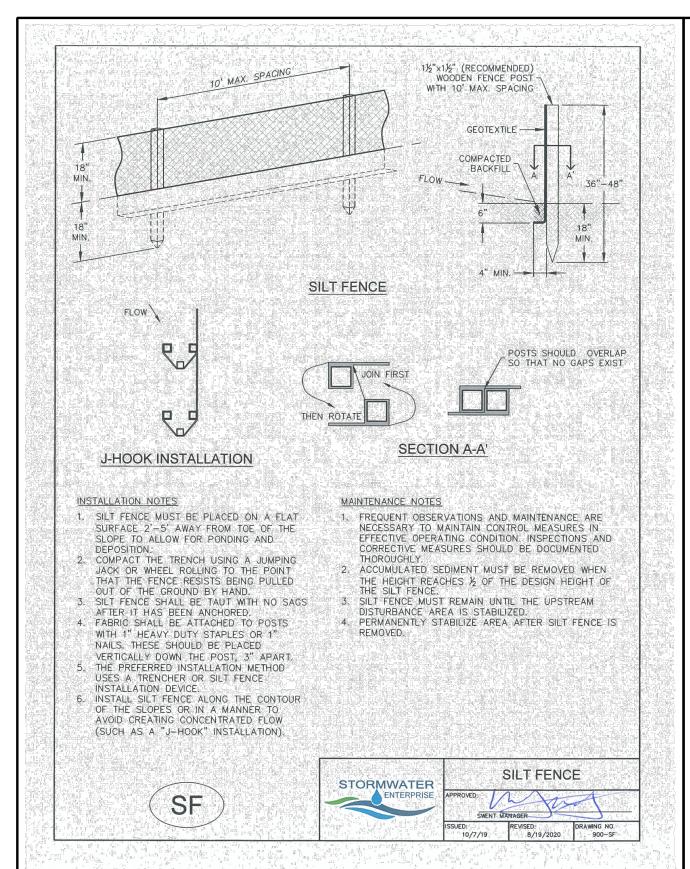
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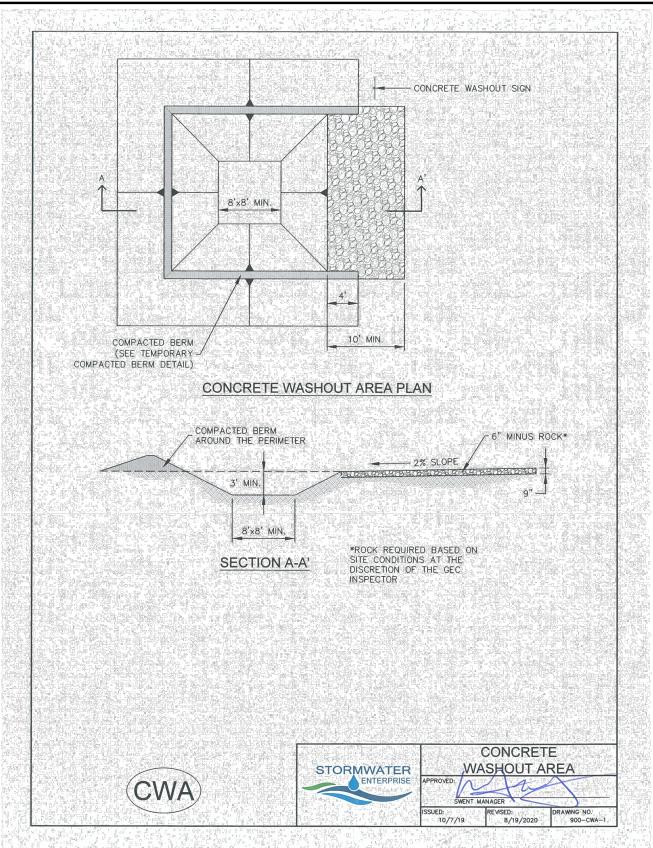
GRADING AND EROSION CONTROL PLAN 208 CUNNINGHAM DRIVE

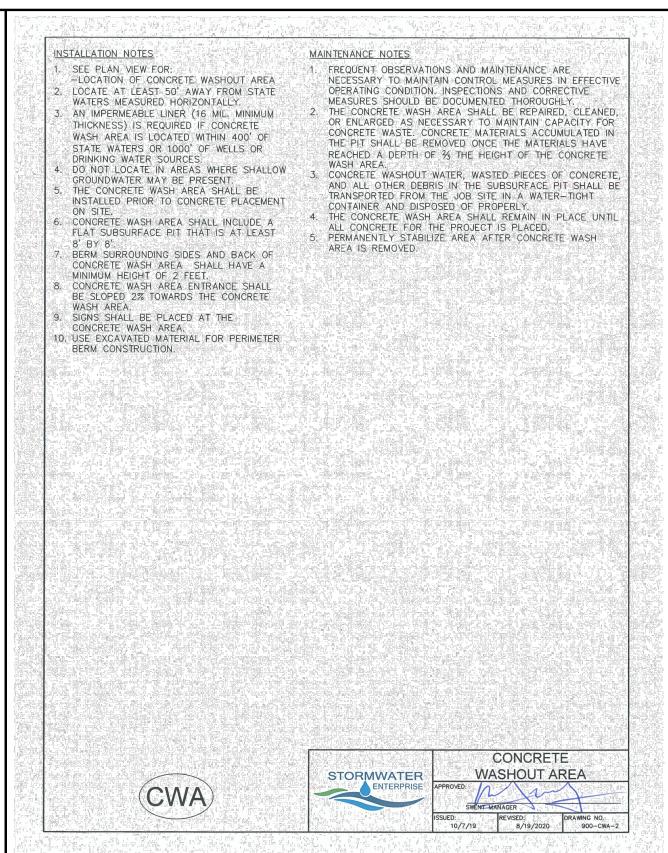
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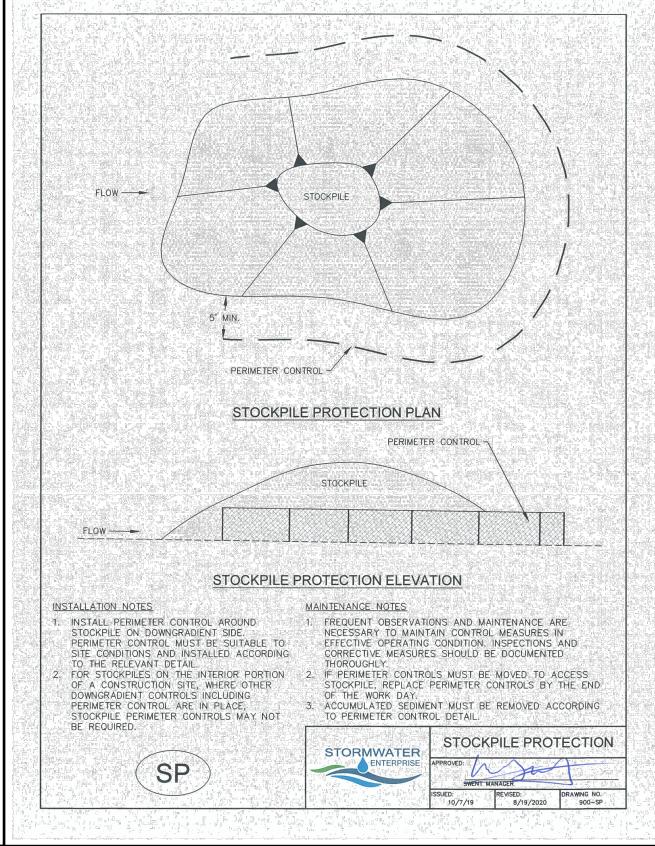


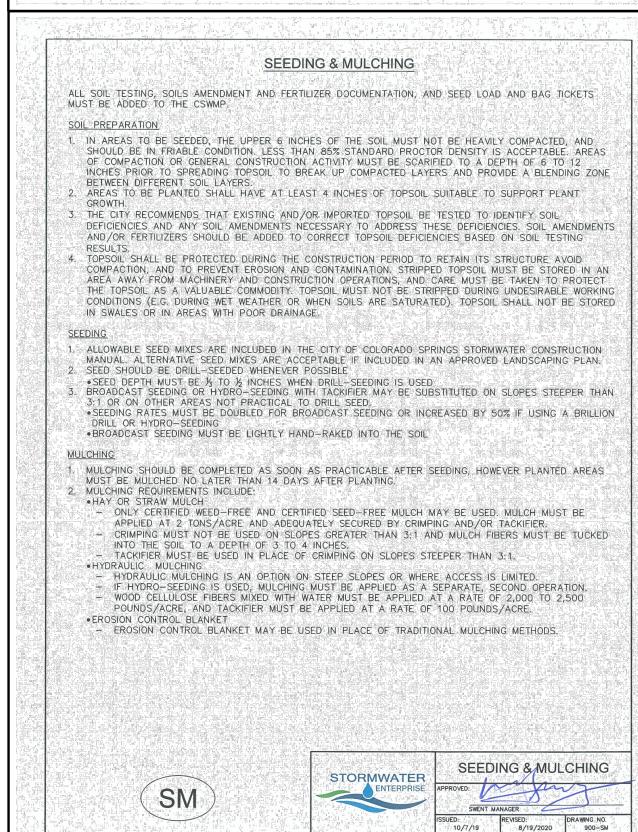


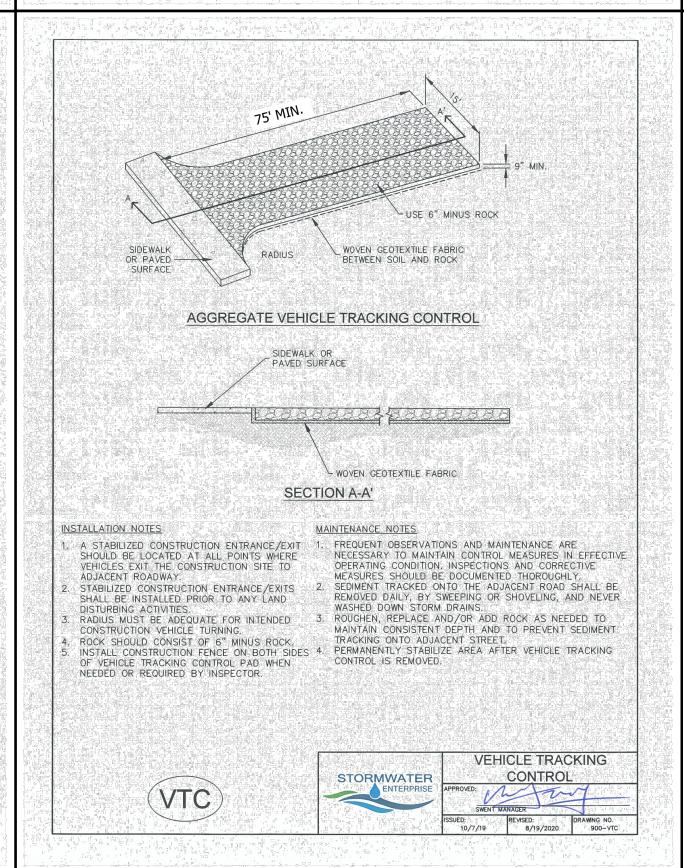


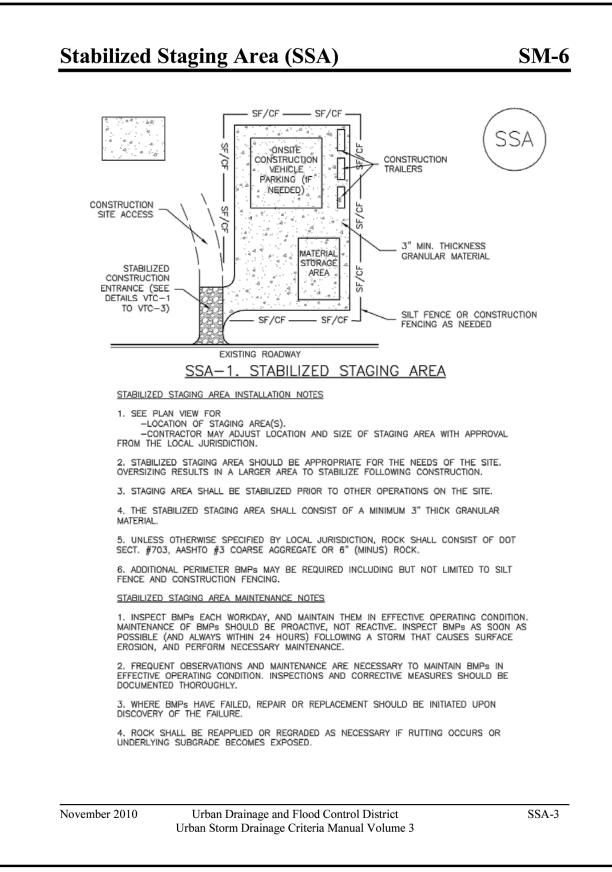














Urban Drainage and Flood Control District

Urban Storm Drainage Criteria Manual Volume 3

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DETAILS