

# GRADING AND EROSION CONTROL PLAN ROCK CREEK CANYON PLANT SITE

LOCATED IN THE SOUTHEAST 1/4 OF SECTION 36,  
TOWNSHIP 15 SOUTH, RANGE 67 WEST OF THE 6th PRINCIPAL MERIDIAN  
EL PASO COUNTY, COLORADO

## STANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS

REVISED JULY 2019

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 TO 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. DURING CONSTRUCTION THE SWMP IS THE RESPONSIBILITY OF THE DESIGNATED QUALIFIED STORMWATER MANAGER OR CERTIFIED EROSION CONTROL INSPECTOR AND 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 DEC. 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 MAY CONTRIBUTE POLLUTANTS TO STORMWATER. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED 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 IS 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 PRIOR TO IMPLEMENTATION.
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. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAN 60 DAYS SHALL ALSO BE STABILIZED.
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 PLAN 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 DEFINED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT AFFECT THE HYDROLOGY OR HYDRAULICS OF A PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
10. ANY EARTH DISTURBANCE 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 INFEASIBLE.
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 SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED.
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 NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUT SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY.
14. DEWATERING OPERATIONS: UNCONTAMINATED GROUND WATER MAY BE DISCHARGED ON SITE, BUT MAY NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF.
15. EROSION CONTROL BLANKETING IS TO BE USED ON SLOPES STEEPER THAN 3:1.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTE 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 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.
22. BULK STORAGE OF PETROLEUM PRODUCTS OR OTHER LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL HAVE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
23. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER OR IN THE DITCH FLOW LINE.
24. 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.
25. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
26. PRIOR TO ACTUAL CONSTRUCTION THE PERMITEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
27. A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
28. THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY TRAVIS BELL (CRC OF COLO LLC) IN COOPERATION WITH GROUND ENGINEERING DATED 5/24/22 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 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 (SMWP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

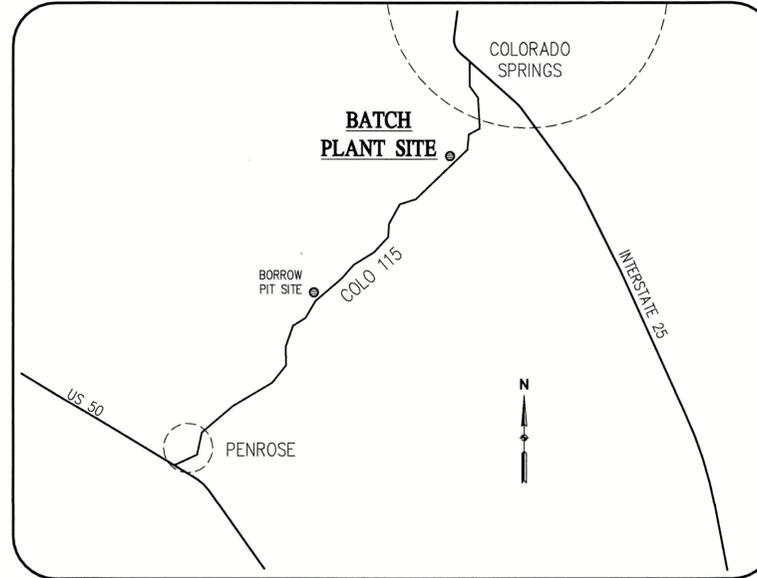
COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT  
WATER QUALITY CONTROL DIVISION  
WOOD - PERMITS  
4300 CHERRY CREEK DRIVE SOUTH  
DENVER, CO 80246-1530  
ATTN: PERMITS UNIT



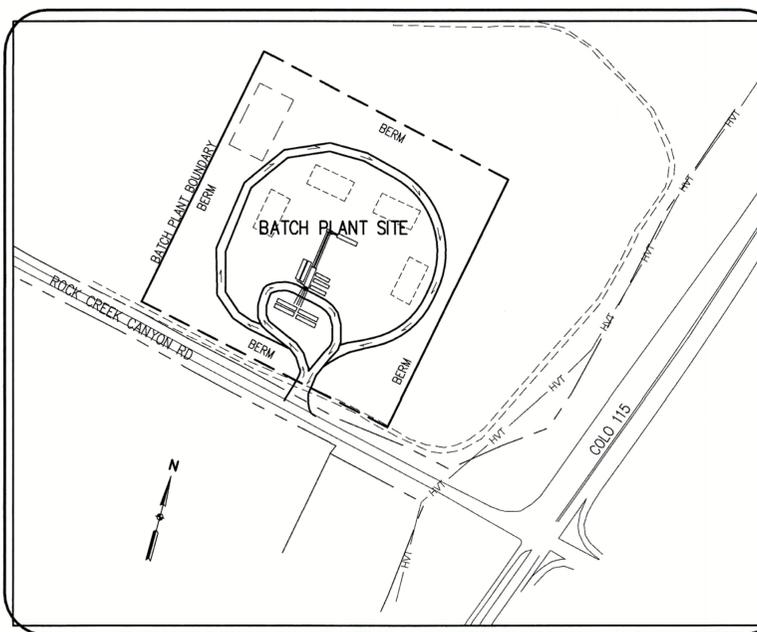
Know what's below.  
Call before you dig.

### SHEET INDEX

- |       |                    |
|-------|--------------------|
| GEC-1 | COVER SHEET        |
| GEC-2 | INITIAL PHASE PLAN |
| GEC-3 | INTERIM PHASE PLAN |
| GEC-4 | FINAL PHASE PLAN   |
| GEC-5 | DETAILS            |



**VICINITY MAP**  
NOT TO SCALE



### SITE MAP

SCALE: 1" = 200'



### PROJECT CONTACTS

**OWNER:**  
GOLDEN EAGLE RANCH, LLC  
710 ROCK CREEK CANYON RD  
COLORADO SPRINGS, CO 80926-9800

**APPLICANT:**  
CASTLE ROCK CONSTRUCTION OF COLORADO, LLC  
6374 S. RACINE CIRCLE  
CENTENNIAL, CO 80111  
ATTN: TRAVIS BELL  
303-689-6611  
TBELL@CRCCLC.COM

**ENGINEER:**  
BASELINE ENGINEERING CORPORATION  
1046 ELKTON DRIVE  
COLORADO SPRINGS, CO 80907  
ATTN: STEVEN BAGGS, P.E.  
719-531-6200  
STEVEN.BAGGS@BASELINECORP.COM

### ENGINEER'S STATEMENT

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 PLAN.

*Steven G. Baggs* 10/19/22  
STEVEN G. BAGGS, P.E. DATE  
COLO PE NO. 26020

### OWNER/DEVELOPER STATEMENT

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

OWNER SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

### EL PASO COUNTY

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH THE COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, 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 DIRECTOR'S DISCRETION.

JOSHUA PALMER, P.E. \_\_\_\_\_ DATE \_\_\_\_\_  
COUNTY ENGINEER/ECM ADMINISTRATOR



DESIGNED BY SPC  
DRAWN BY SPC  
CHECKED BY SGB

DATE 09/09/2022

PREPARED BY SPC

REVISION DESCRIPTION

REVISED PER COUNTY COMMENTS

EL PASO COUNTY

GRADING AND EROSION CONTROL PLAN

ROCK CREEK CANYON BATCH SITE - 710 ROCK CREEK CANYON RD

COVER SHEET

UNINCORPORATED

FOR AND ON BEHALF OF BASELINE CORPORATION

INITIAL SUBMITTAL 07/12/22

DRAWING SIZE 24" X 36"

SURVEY FIRM SURVEY DATE UNKNOWN

JOB NO. 35059

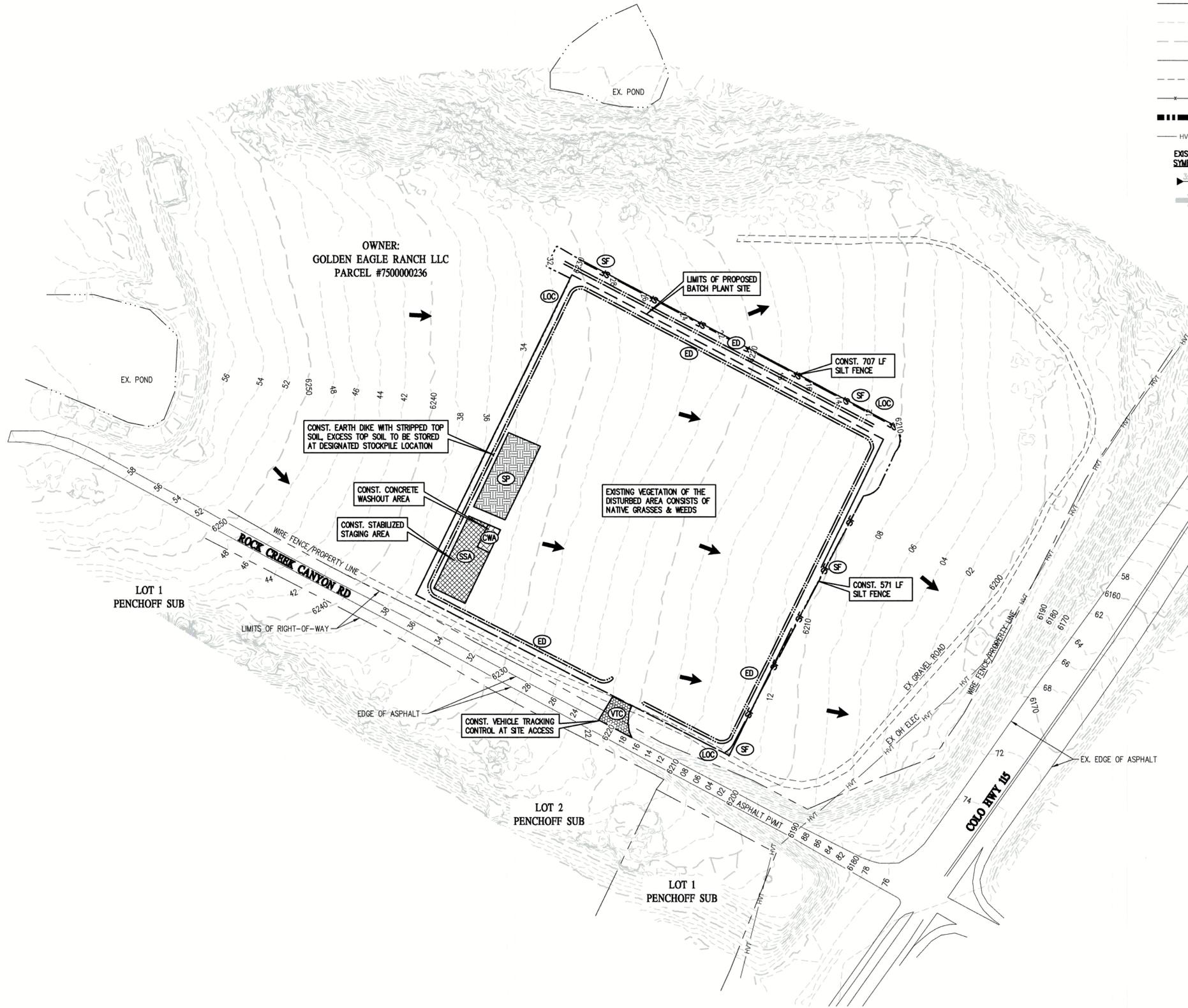
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SHEET 1 OF 5

PCD FILE NO.: CDR2211

GEC-1

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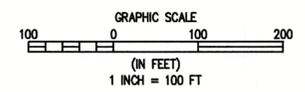
| EXISTING LINETYPES | PROPOSED LINETYPES |                              |
|--------------------|--------------------|------------------------------|
| ---                | ---                | PROPERTY BOUNDARY            |
| ---                | ---                | RIGHT-OF-WAY                 |
| 81                 | 81                 | MINOR CONTOUR (2' INTERVAL)  |
| 5280               | 5280               | MAJOR CONTOUR (10' INTERVAL) |
| ---                | ---                | EDGE OF ASPHALT              |
| ---                | ---                | EDGE OF GRAVEL               |
| ---                | ---                | WIRE FENCE                   |
| ---                | ---                | LIMITS OF CONSTRUCTION       |
| HVT                | HVT                | HIGH VOLTAGE TRANSMISSION    |

| EXISTING SYMBOLS | PROPOSED SYMBOLS |   |
|------------------|------------------|---|
| ▶                | ▶                | NOMINAL SLOPE ON CUT OR FILL                |
| →                | →                | FLOW DIRECTION, TYPICALLY ON PAVED SURFACES |

**GBC LEGEND**

| PHASE           | PROPOSED SYMBOLS |  |
|-----------------|------------------|--|
| INITIAL/INTERIM | [Symbol]         | LOC LIMITS OF CONSTRUCTION/DISTURBANCE |
| INITIAL/INTERIM | [Symbol]         | VTC VEHICLE TRACKING CONTROL           |
| INITIAL/INTERIM | [Symbol]         | CWA CONCRETE WASHOUT                   |
| INITIAL/INTERIM | [Symbol]         | SF SILT FENCE                          |
| INITIAL/INTERIM | [Symbol]         | ED EARTH DIKE                          |
| INITIAL/INTERIM | [Symbol]         | SP STOCKPILE PROTECTION                |
| INITIAL/INTERIM | [Symbol]         | TSB TEMP. SEDIMENT BASIN               |
| INITIAL/INTERIM | [Symbol]         | SSA STABILIZED STAGING AREA            |
| INITIAL/INTERIM | [Symbol]         | RS ROCK SOCK                           |
| INITIAL/INTERIM | [Symbol]         | SM NATIVE SEEDING & MULCHING           |
| FINAL           | [Symbol]         |  |



1 INITIAL PHASE  
GEC2 GEC2

| DESIGNED BY | DATE                        |
|-------------|-----------------------------|
| SPC         | 09/09/2022                  |
| DRAWN BY    | PREPARED BY                 |
| SPC         | SPC                         |
| CHECKED BY  | REVISION DESCRIPTION        |
| SGB         | REVISED PER COUNTY COMMENTS |

**CASTLE ROCK CONSTRUCTION COMPANY**  
UNINCORPORATED  
EL PASO COUNTY  
**GRADING AND EROSION CONTROL PLAN**  
ROCK CREEK CANYON BATCH SITE - 710 ROCK CREEK CANYON RD  
INITIAL PHASE

PREPARED UNDER THE DIRECT SUPERVISION OF

FOR AND ON BEHALF OF  
BASELINE CORPORATION

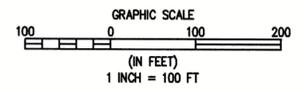
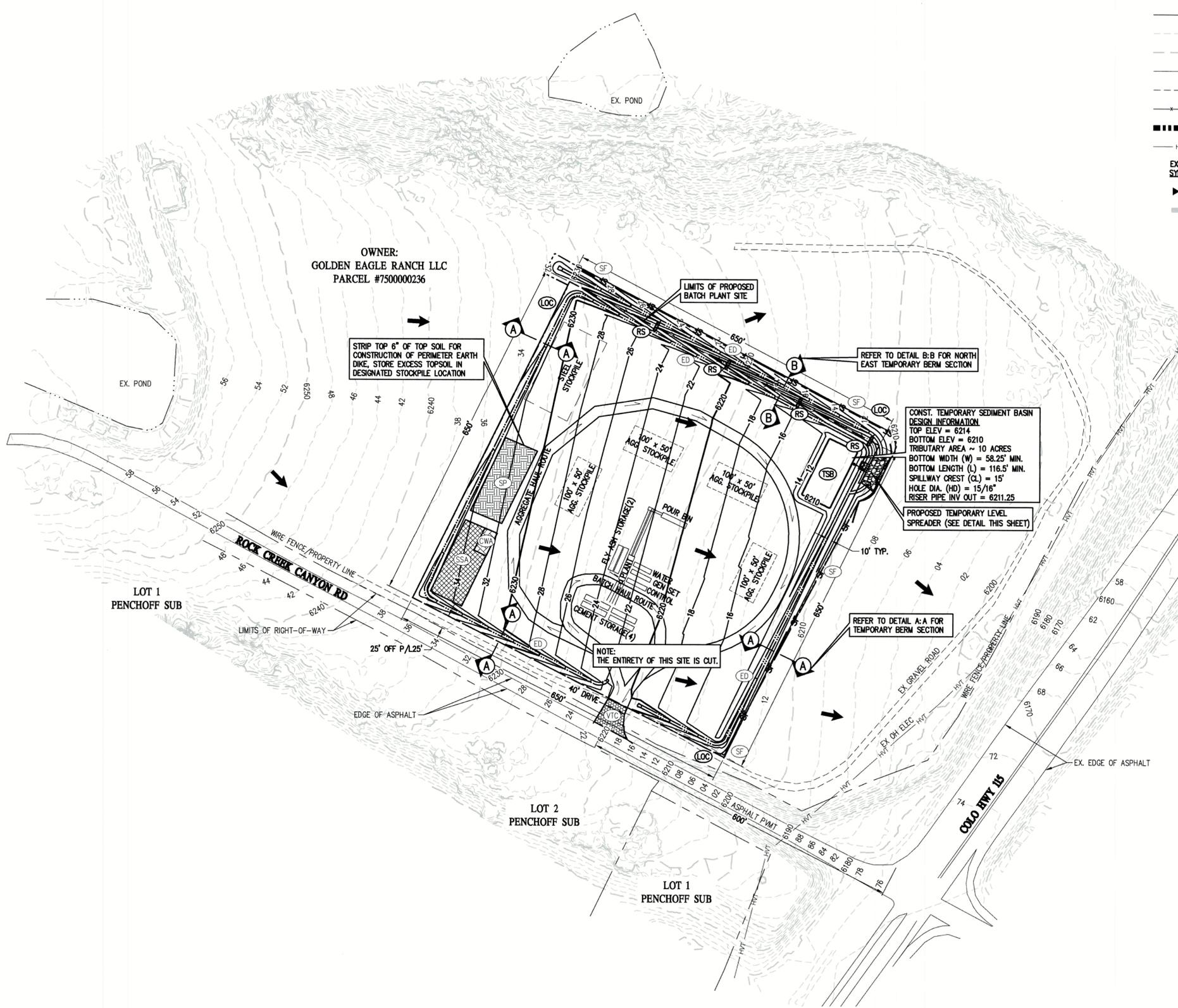
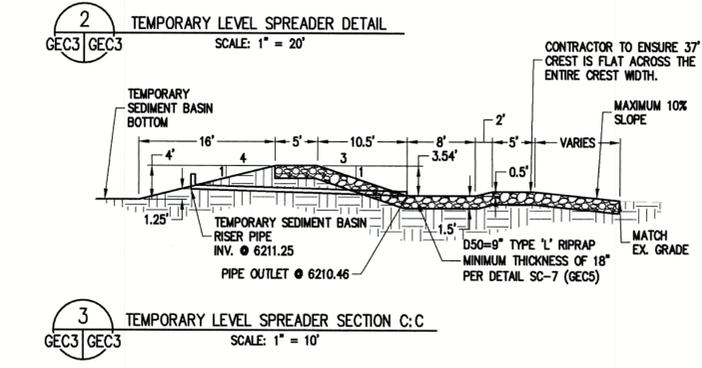
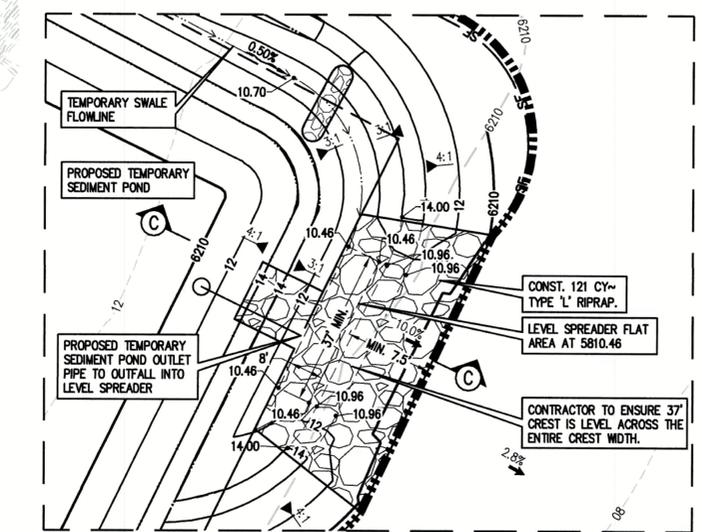
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| SURVEY DATE       | UNKNOWN          |
| JOB NO.           | 35059            |
| DRAWING NAME      | GEC2-5 Batch.dwg |
| SHEET             | 2 OF 5           |

GEC2

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| LEGEND             |                    |   |
|--------------------|--------------------|---|
| EXISTING LINETYPES | PROPOSED LINETYPES |   |
| ---                | ---                | PROPERTY BOUNDARY                           |
| ---                | ---                | RIGHT-OF-WAY                                |
| 81                 | 81                 | MINOR CONTOUR (2' INTERVAL)                 |
| 5280               | 5280               | MAJOR CONTOUR (10' INTERVAL)                |
| ---                | ---                | EDGE OF ASPHALT                             |
| ---                | ---                | EDGE OF GRAVEL                              |
| ---                | ---                | WIRE FENCE                                  |
| ---                | ---                | LIMITS OF CONSTRUCTION                      |
| HVT                | HVT                | HIGH VOLTAGE TRANSMISSION                   |
| ▶                  | ▶                  | NOMINAL SLOPE ON CUT OR FILL                |
| ▶                  | ▶                  | FLOW DIRECTION, TYPICALLY ON PAVED SURFACES |

| GEC LEGEND      |                  |                                    |
|-----------------|------------------|------------------------------------|
| PHASE           | PROPOSED SYMBOLS |                                    |
| INITIAL/INTERIM | LOC              | LIMITS OF CONSTRUCTION/DISTURBANCE |
| INITIAL/INTERIM | VTC              | VEHICLE TRACKING CONTROL           |
| INITIAL/INTERIM | CWA              | CONCRETE WASHOUT                   |
| INITIAL/INTERIM | SF               | SILT FENCE                         |
| INITIAL/INTERIM | ED               | EARTH DIKE                         |
| INITIAL/INTERIM | SP               | STOCKPILE PROTECTION               |
| INITIAL/INTERIM | TSB              | TEMP. SEDIMENT BASIN               |
| INITIAL/INTERIM | SSA              | STABILIZED STAGING AREA            |
| INITIAL/INTERIM | RS               | ROCK SOCK                          |
| INITIAL/INTERIM | SM               | NATIVE SEEDING & MULCHING          |
| FINAL           |                  |                                    |



1 INTERIM PHASE  
GEC3 GEC3

| DESIGNED BY | DATE                        |
|-------------|-----------------------------|
| SFC         | 09/09/2022                  |
| DRAWN BY    | PREPARED BY                 |
| SFC         | SFC                         |
| CHECKED BY  | REVISION DESCRIPTION        |
| SCB         | REVISED PER COUNTY COMMENTS |

| FOR AND ON BEHALF OF |                  |
|----------------------|------------------|
| BASILINE CORPORATION |                  |
| INITIAL SUBMITTAL    | 07/12/22         |
| DRAWING SIZE         | 24" X 36"        |
| SURVEY FROM          | UNKNOWN          |
| SURVEY DATE          | UNKNOWN          |
| JOB NO.              | 35059            |
| DRAWING NAME         | GEC2-5 Batch.dwg |
| SHEET                | 3 OF 5           |

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**LEGEND**

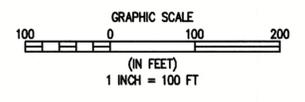
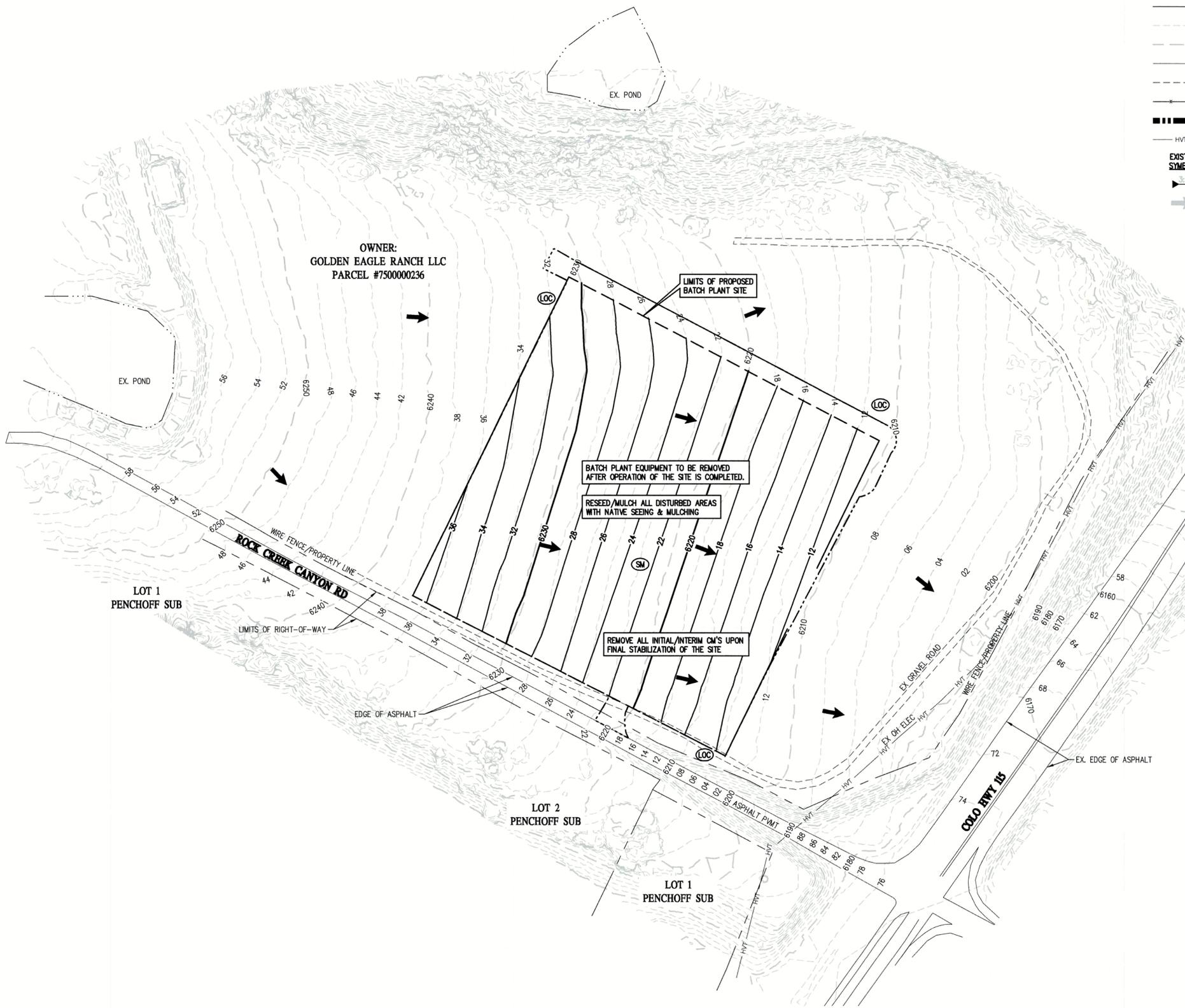
| EXISTING LINETYPES | PROPOSED LINETYPES |                              |
|--------------------|--------------------|------------------------------|
| ---                | ---                | PROPERTY BOUNDARY            |
| ---                | ---                | RIGHT-OF-WAY                 |
| 81                 | 81                 | MINOR CONTOUR (2' INTERVAL)  |
| 5280               | 5280               | MAJOR CONTOUR (10' INTERVAL) |
| ---                | ---                | EDGE OF ASPHALT              |
| ---                | ---                | EDGE OF GRAVEL               |
| ---                | ---                | WIRE FENCE                   |
| ---                | ---                | LIMITS OF CONSTRUCTION       |
| HVT                | HVT                | HIGH VOLTAGE TRANSMISSION    |

| EXISTING SYMBOLS | PROPOSED SYMBOLS |   |
|------------------|------------------|---|
| ▶                | ▶                | NOMINAL SLOPE ON CUT OR FILL                |
| →                | →                | FLOW DIRECTION, TYPICALLY ON PAVED SURFACES |

**GEC LEGEND**

| PHASE           | PROPOSED SYMBOLS |  |
|-----------------|------------------|--|
| INITIAL/INTERIM | [Symbol]         | (LOC) LIMITS OF CONSTRUCTION/DISTURBANCE |
| INITIAL/INTERIM | [Symbol]         | (VTC) VEHICLE TRACKING CONTROL           |
| INITIAL/INTERIM | [Symbol]         | (CWA) CONCRETE WASHOUT                   |
| INITIAL/INTERIM | [Symbol]         | (SF) SILT FENCE                          |
| INITIAL/INTERIM | [Symbol]         | (ED) EARTH DIKE                          |
| INITIAL/INTERIM | [Symbol]         | (SP) STOCKPILE PROTECTION                |
| INITIAL/INTERIM | [Symbol]         | (TSB) TEMP. SEDIMENT BASIN               |
| INITIAL/INTERIM | [Symbol]         | (SSA) STABILIZED STAGING AREA            |
| INITIAL/INTERIM | [Symbol]         | (RS) ROCK SOCK                           |
| FINAL           | [Symbol]         | (SM) NATIVE SEEDING & MULCHING           |



1  
GEC4 | GEC4 FINAL PHASE

| DESIGNED BY | DATE       |
|-------------|------------|
| SPC         | 09/09/2022 |

| DRAWN BY | PREPARED BY |
|----------|-------------|
| SPC      | SPC         |

| CHECKED BY | REVISION DESCRIPTION        |
|------------|-----------------------------|
| SCB        | REVISED PER COUNTY COMMENTS |

**CASTLE ROCK CONSTRUCTION COMPANY**  
UNINCORPORATED  
EL PASO COUNTY  
**GRADING AND EROSION CONTROL PLAN**  
ROCK CREEK CANYON BATCH SITE - 710 ROCK CREEK CANYON RD  
FINAL PHASE

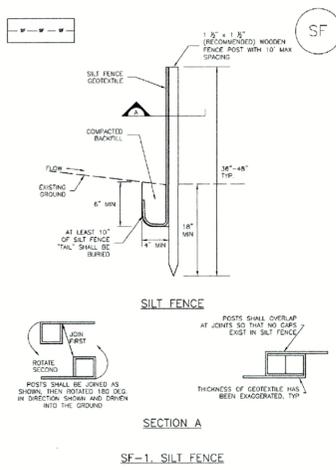
FOR AND ON BEHALF OF  
BASELINE CORPORATION

FOR COLORADO LICENSED PROFESSIONAL ENGINEER  
STEPHEN G. BAYLOR  
26020  
PROFESSIONAL ENGINEER

|                   |                  |
|-------------------|------------------|
| INITIAL SUBMITTAL | 07/12/22         |
| DRAWING SIZE      | 24" X 36"        |
| SURVEY FIRM       | SURVEY DATE      |
| UNKNOWN           |                  |
| JOB NO.           | 35059            |
| DRAWING NAME      | GEC2-5 Batch.dwg |
| SHEET             | 4 OF 5           |

GEC4

**Silt Fence (SF) SC-1**



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

**Silt Fence (SF) SC-1**

**SILT FENCE INSTALLATION NOTES**

- SILT FENCE MUST BE PLACED AWAY FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER PENETRATING SILT FENCE AT THE TOE OF A SLOPE SHOULD BE INSTALLED IN A FLAT LOCATION AT LEAST SEVERAL FEET (3-5 FT) FROM THE TOE OF THE SLOPE TO ALLOW ROOM FOR PUMPING AND DEPOSITION.
- A UNIFORM 6" x 4" ANCHOR TRENCH SHALL BE EXCAVATED USING TRENCHER OR SILT FENCE INSTALLATION DEVICE. NO ROAD SPINDERS, BACKHOES, OR SIMILAR EQUIPMENT SHALL BE USED TO EXCAVATE TRENCHES.
- COMPACT ANCHOR TRENCH BY HAND WITH A "JUMPING JACK" OR BY WHEEL ROLLING. COMPACTOR SHALL BE SUCH THAT SILT FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND.
- SILT FENCE SHALL BE PULLED TIGHT AS IT IS ANCHORED TO THE STAKES. THERE SHOULD BE NO NOTICIBLE SAG BETWEEN STAKES UNLESS IT HAS BEEN ANCHORED TO THE STAKES.
- SILT FENCE FABRIC SHALL BE ANCHORED TO THE STAKES USING 1" HEAVY DUTY STAPLES OR NAILS WITH 1" HEADS. STAPLES AND NAILS SHOULD BE PLACED 3" ALONG THE FABRIC DOWN THE STAKE.
- AT THE END OF A RUN OF SILT FENCE ALONG A CONTOUR, THE SILT FENCE SHOULD BE TURNED PERPENDICULAR TO THE CONTOUR TO CREATE A "J-HOOK". THE "J-HOOK" EXTENDING PERPENDICULAR TO THE CONTOUR SHOULD BE OF SUFFICIENT LENGTH TO KEEP RUNOFF FROM FLOODING AROUND THE END OF THE SILT FENCE (TYPICALLY 10' - 20').
- SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

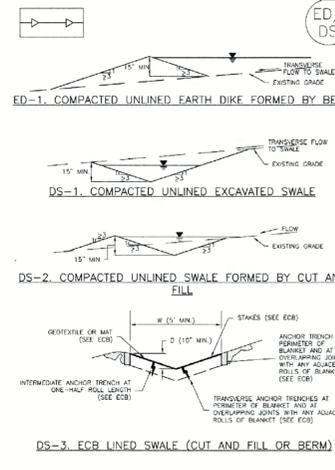
**SILT FENCE MAINTENANCE NOTES**

- INSPECT BMPs EACH WORKDAY AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHEN BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- SEDIMENT ACCUMULATED UPSTREAM OF THE SILT FENCE SHALL BE REMOVED AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP. TYPICALLY WITHIN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 6".
- REPAIR OR REPLACE SILT FENCE WHEN THERE ARE SIGNS OF WEAR, SUCH AS SAGGING, TEARING, OR COLLAPSE.
- SILT FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION, OR IS REPEARED BY AN EQUIVALENT PERMANENT SEDIMENT CONTROL BMP.
- WHEN SILT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDS AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION. (DETAILS ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF ANAHEIM, NOT AVAILABLE IN AUTOCAD)

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

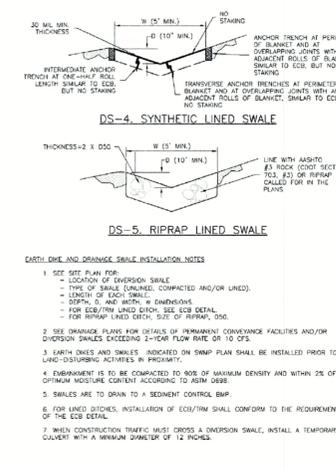
SF-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

**Earth Dikes and Drainage Swales (ED/DS) EC-10**



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**Earth Dikes and Drainage Swales (ED/DS) EC-10**



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**Earth Dikes and Drainage Swales (ED/DS) EC-10**

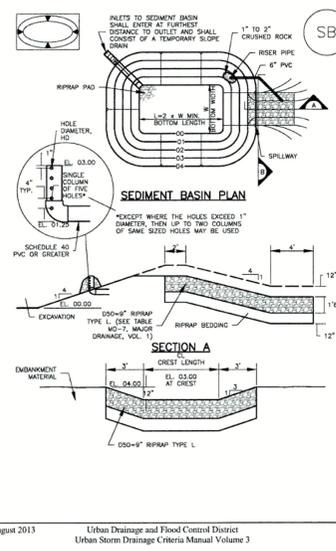
**EARTH DIKE AND DRAINAGE SWALE MAINTENANCE NOTES**

- INSPECT BMPs EACH WORKDAY AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHEN BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- SWALES SHALL REMAIN IN PLACE UNTIL THE END OF CONSTRUCTION, IF APPROVED BY LOCAL JURISDICTION. SWALES MAY BE LEFT IN PLACE.
- WHEN A SWALE IS REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOPSOIL, SEEDS AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.
- DETAILS ADAPTED FROM SOUTHERN COLORADO COUNTY, COLORADO AND THE CITY OF COLORADO SPRINGS, COLORADO. NOT AVAILABLE IN AUTOCAD.

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

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**Sediment Basin (SB) SC-7**



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**Sediment Basin (SB) SC-7**

**TABLE SB-1: BASIC INFORMATION FOR STANDARD SEDIMENT BASIN**

| Upstream Drainage Area (Acres) (A <sub>u</sub> ) | Basin Bottom Width (W) (ft) | Spillway Crest Length (C <sub>L</sub> ) (ft) | Basin Depth (D) (ft) |
|--|-----------------------------|--|----------------------|
| 1  | 12.9                        | 2  | 1.4                  |
| 2  | 17.8                        | 3  | 1.6                  |
| 3  | 21.8                        | 4  | 1.7                  |
| 4  | 25.8                        | 5  | 1.8                  |
| 5  | 29.8                        | 6  | 1.9                  |
| 6  | 33.8                        | 7  | 2.0                  |
| 7  | 37.8                        | 8  | 2.1                  |
| 8  | 41.8                        | 9  | 2.2                  |
| 9  | 45.8                        | 10   | 2.3                  |
| 10   | 49.8                        | 11   | 2.4                  |
| 11   | 53.8                        | 12   | 2.5                  |
| 12   | 57.8                        | 13   | 2.6                  |
| 13   | 61.8                        | 14   | 2.7                  |
| 14   | 65.8                        | 15   | 2.8                  |
| 15   | 69.8                        | 16   | 2.9                  |
| 16   | 73.8                        | 17   | 3.0                  |

**SEDIMENT BASIN INSTALLATION NOTES**

- SEE PLAN VIEW FOR:
  - LOCATION OF SEDIMENT BASIN.
  - TYPE OF BASIN (STANDARD OR NONSTANDARD BASIN).
  - FOR STANDARD BASIN, BOTTOM WIDTH W, CREST LENGTH C<sub>L</sub> AND HOLE DIAMETER D.
  - FOR NONSTANDARD BASIN, SEE CONSTRUCTION DRAWINGS FOR DESIGN OF BASIN INCLUDING FLOOR HEIGHT H, NUMBER OF CHANNELS N, HOLE DIAMETER AND HOLE DIAMETER D.
- FOR STANDARD BASIN, BOTTOM DIMENSION MAY BE MODIFIED AS LONG AS BOTTOM AREA IS NOT REDUCED.
- SEDIMENT BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER LAND-DISTURBING ACTIVITY THAT OCCURS ON OR ADJACENT TO A STORMWATER CONTROL.
- EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3 INCHES AND SHALL HAVE A MINIMUM OF 15 PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE.
- EMBANKMENT MATERIAL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH AASHTO T-99.
- THE DETAILS SHOWN ON THESE SHEETS PERTAIN TO STANDARD SEDIMENT BASINS FOR DRAINAGE AREAS LESS THAN 15 ACRES. SEE CONSTRUCTION DRAWINGS FOR EMBANKMENT, STORAGE, VOLUME, SPILLWAY, OUTLET, AND GULCH PROTECTION DETAILS FOR ANY SEDIMENT BASIN(S) THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAINAGE AREAS LARGER THAN 15 ACRES.
- PIPE SIZES 40 OR GREATER SHALL BE USED.

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**Sediment Basin (SB) SC-7**

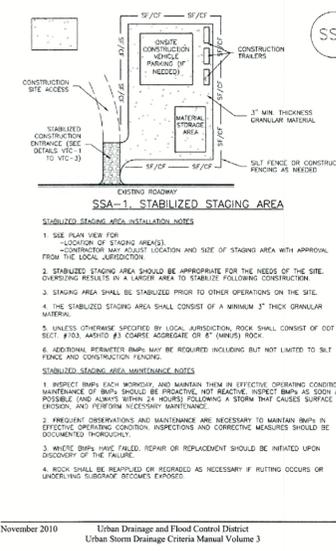
**SEDIMENT BASIN MAINTENANCE NOTES**

- INSPECT BMPs EACH WORKDAY AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHEN BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- SEDIMENT ACCUMULATED IN BASIN SHALL BE REMOVED AS NEEDED TO MAINTAIN BMP EFFECTIVENESS, TYPICALLY WHEN SEDIMENT DEPTH REACHES ONE FOOT (I.E., TWO FEET BELOW THE SPILLWAY CREST).
- SEDIMENT BASINS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS ACCEPTED BY THE LOCAL JURISDICTION.
- WHEN SEDIMENT BASINS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDS AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION. (DETAILS ADAPTED FROM SOUTHERN COLORADO COUNTY, COLORADO)

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

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



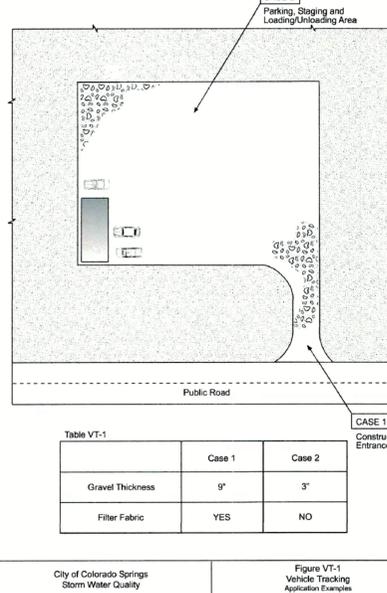
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**Stabilized Staging Area (SSA) SM-6**

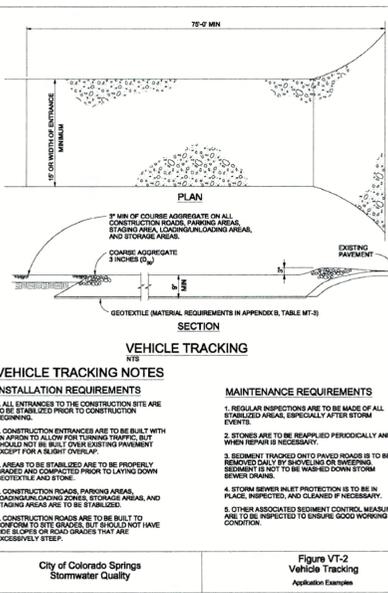
**STABILIZED STAGING AREA MAINTENANCE NOTES**

- INSPECT BMPs EACH WORKDAY AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHEN BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- ROCK SHALL BE REPAIRED OR REPLACED AS NECESSARY IF PUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

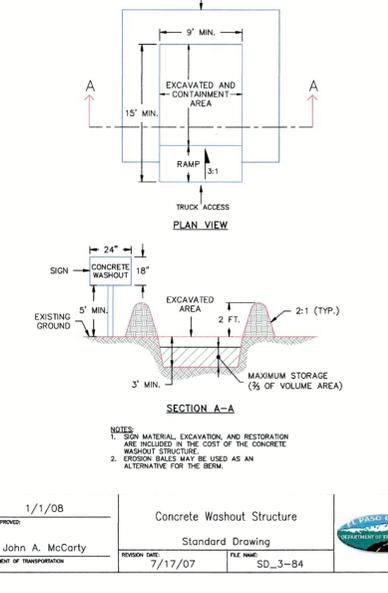
SSA-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010



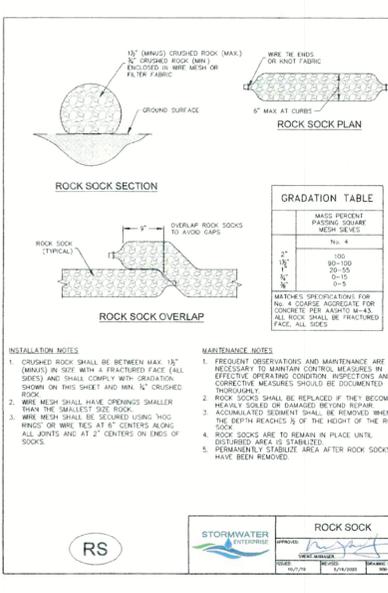
City of Colorado Springs Storm Water Quality Figure VT-1 Vehicle Tracking Application Examples



City of Colorado Springs Stormwater Quality Figure VT-2 Vehicle Tracking Application Examples



1/1/08 Concrete Washout Structure Standard Drawing SD\_3-84



FOR AND ON BEHALF OF BASELINE CORPORATION

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DESIGNED BY: SPC  
 DRAWN BY: SPC  
 CHECKED BY: SGB

REVISION DESCRIPTION  
 09/09/2022  
 PREPARED BY: SPC  
 REVISED PER COUNTY COMMENTS

EL PASO COUNTY  
 UNINCORPORATED  
**CASTLE ROCK CONSTRUCTION COMPANY**  
 GRADING AND EROSION CONTROL PLAN  
 ROCK CREEK CANYON BATCH SITE - 710 ROCK CREEK CANYON RD  
 DETAILS

PREPARED UNDER THE DIRECT SUPERVISION OF  
  
 INITIAL SUBMITTAL: 07/12/22  
 DRAWING SIZE: 24" x 36"  
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 SURVEY DATE: UNKNOWN  
 JOB NO.: 35059  
 DRAWING NAME: GEC2-5 Batch.dwg  
 SHEET: 5 OF 5  
 GEC5