

GRADING AND EROSION CONTROL PLAN ORTON PIT SITE

LOCATED IN THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 18
TOWNSHIP 17 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
- 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 OFFSITE WATERS, INCLUDING WETLANDS.
 - 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.
 - 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.
 - 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.
 - 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.
 - 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.
 - 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.
 - 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.
 - ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DEFINED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT EFFECT THE HYDROLOGY OR HYDRAULICS OF A PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
 - 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.
 - 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.
 - 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.
 - 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.
 - DEWATERING OPERATIONS: UNCONTAMINATED GROUND WATER MAY BE DISCHARGED ON SITE, BUT MAY NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF.
 - EROSION CONTROL BLANKETING IS TO BE USED ON SLOPES STEEPER THAN 3:1.
 - 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. BMPs MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
 - VEHICLE TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFFSITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
 - 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.
 - 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.
 - 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.
 - 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.
 - 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.
 - NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER OR IN THE DITCH FLOW LINE.
 - 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.
 - ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
 - PRIOR TO ACTUAL CONSTRUCTION THE PERMITEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
 - A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
 - 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.
 - 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:

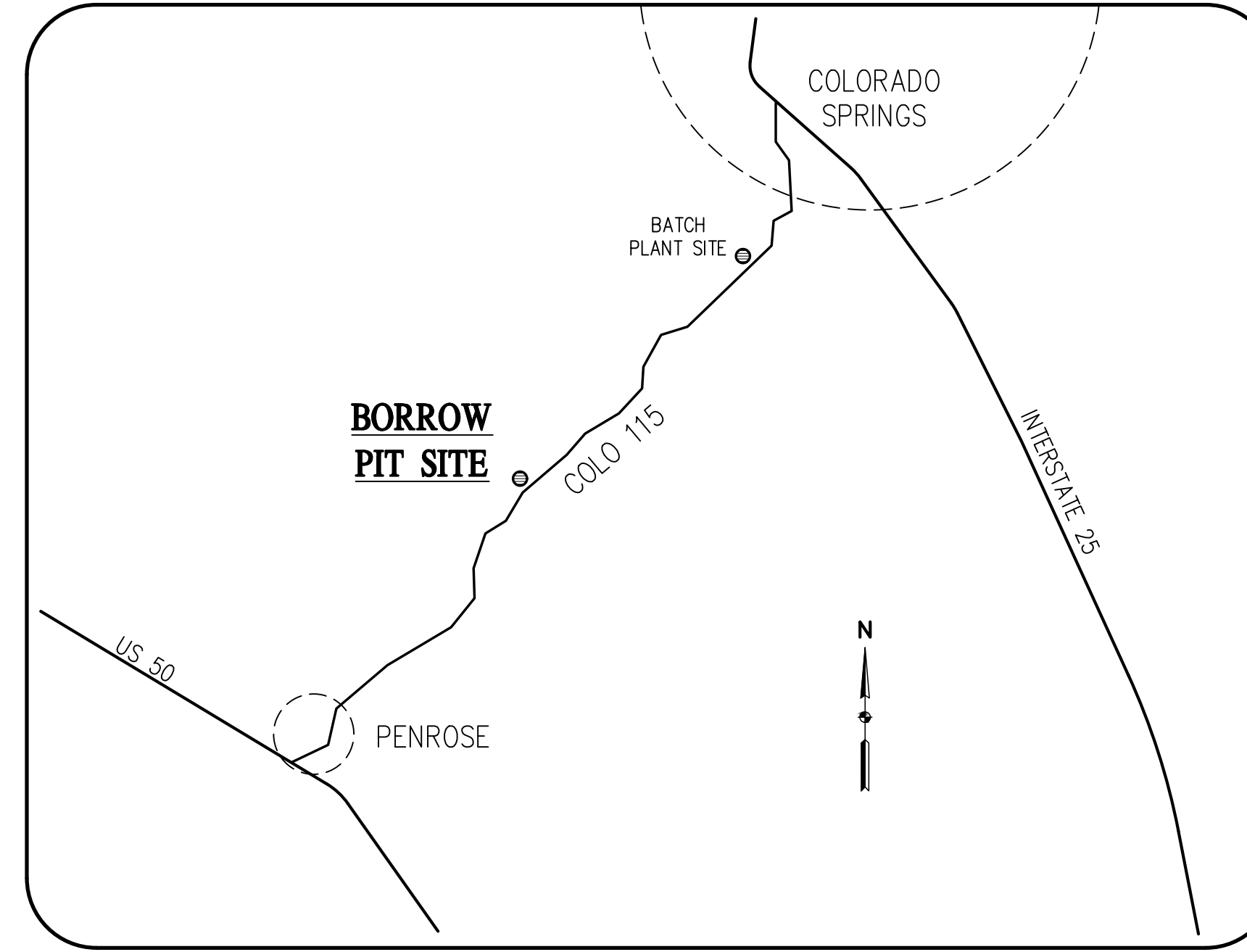
COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL DIVISION
WQCD - PERMITS
4300 CHERRY CREEK DRIVE SOUTH
DENVER, CO 80246-1530
ATTN: PERMITS UNIT



Know what's below.
Call before you dig.

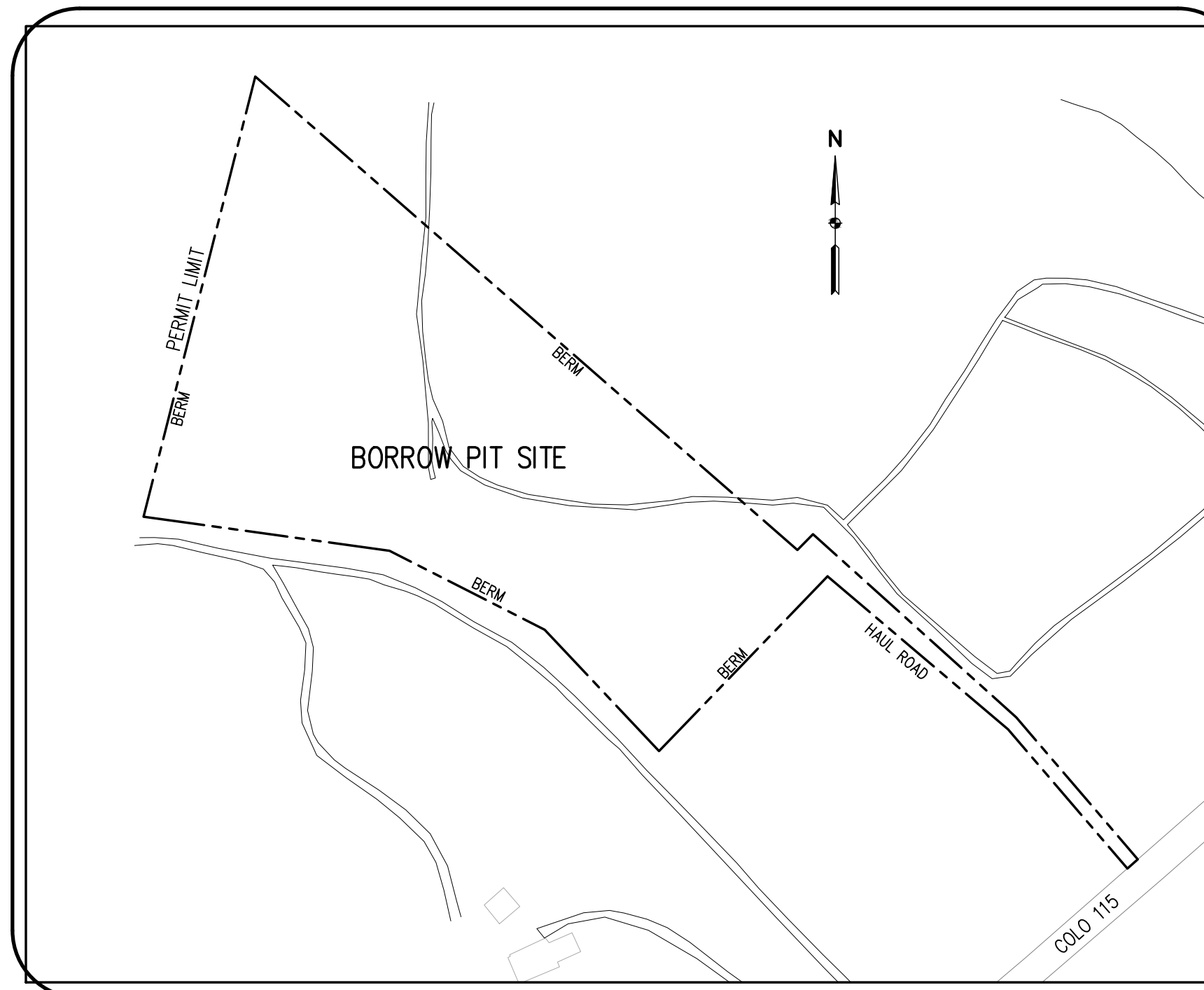
SHBET INDEX

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



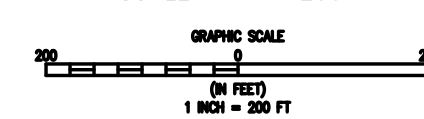
VICINITY MAP
NOT TO SCALE

Revise to match these items on pg 5 of GEC Checklist.



SITE MAP

SCALE: 1" = 200'



PROJECT CONTACTS

OWNER:
GLENN ORTON
17710 STATE HIGHWAY 115
COLORADO SPRINGS, CO 80926-9547

APPLICANT:
CASTLE ROCK CONSTRUCTION OF COLORADO, LLC
6374 S. RACINE CIRCLE
CENTENNIAL, CO 80111
ATTN: TRAVIS BELL
303-688-6611
TBELL@CRCCLL.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, P.E. _____ DATE _____
COLO PE NO. 26020

OWNER'S 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.

Revise to: _____
Jennifer Irvine, P.E.
COUNTY ENGINEER/ECM ADMINISTRATOR _____ DATE _____

Add PCD File No. CDR2211



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

| REVISION | DESCRIPTION | DATE |
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CASTLE ROCK CONSTRUCTION COMPANY
UNINCORPORATED

EL PASO COUNTY
ORTON PIT SITE
17710 COLO 115
COVER SHEET

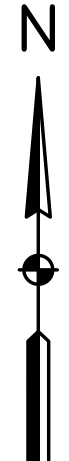
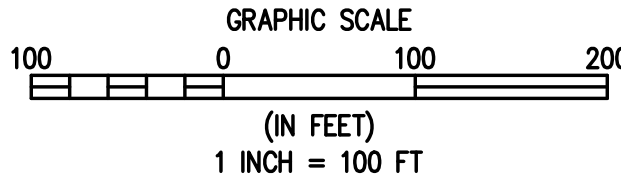
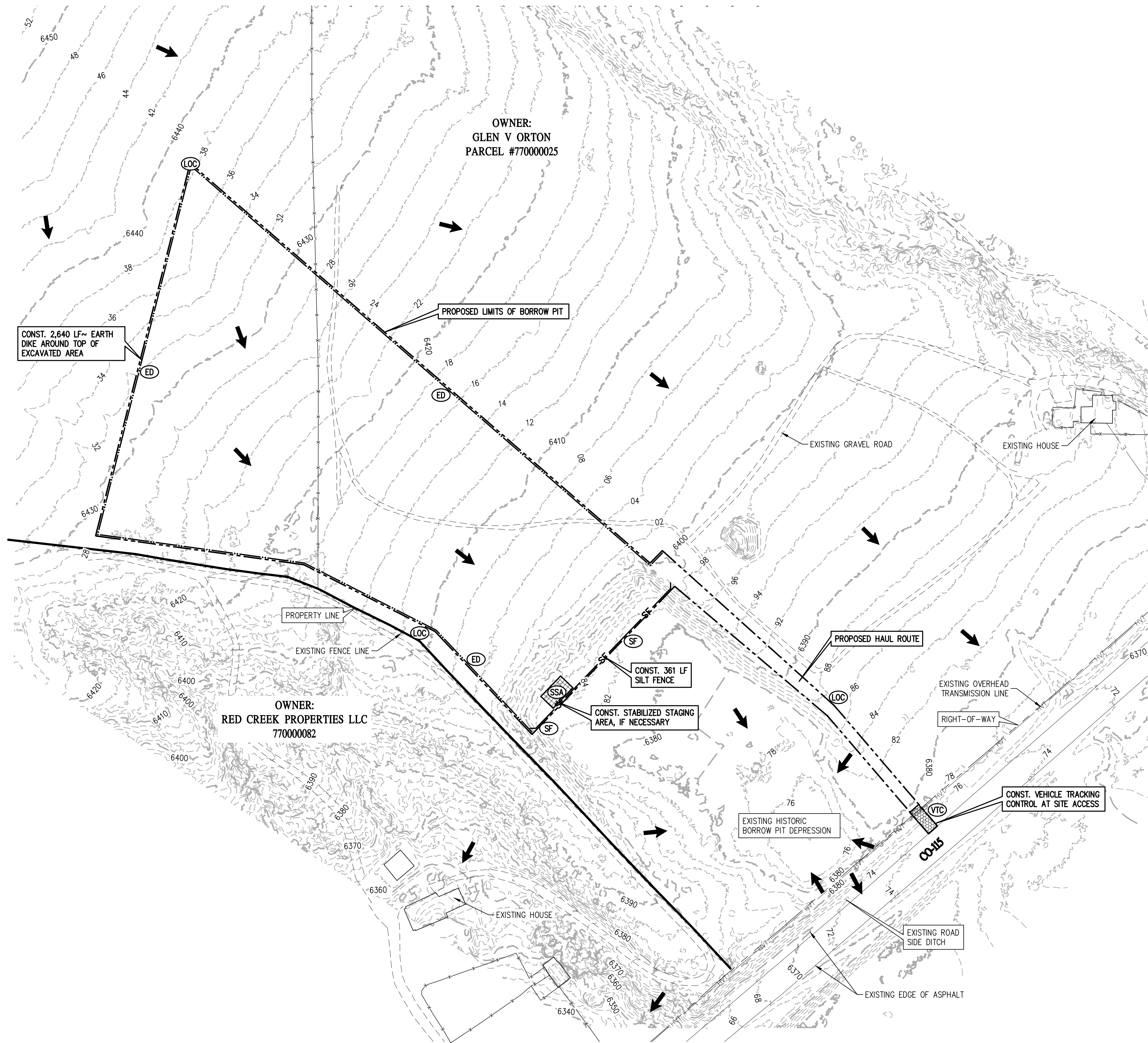
PREPARED UNDER THE DIRECT SUPERVISION OF

PRELIMINARY
NOT FOR
CONSTRUCTION

FOR AND ON BEHALF OF
BASELINE ENGINEERING CORPORATION
INITIAL SUBMITTAL 07/12/22
DRAWING SIZE 24" X 36"
SURVEY FIRM SURVEY DATE
UNKNOWN
JOB NO. 35059
DRAWING NAME 35059 GEC1-Pit.dwg
SHEET 1 OF 5

GEC-1

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1 INITIAL PHASE
GEC2 GEC2

LEGEND

| EXISTING LINETYPES | PROPOSED LINETYPES | |
|--------------------|--------------------|------------------------------|
| --- | --- | PROPERTY BOUNDARY |
| --- | --- | RIGHT-OF-WAY |
| --- | --- | MINOR CONTOUR (2' INTERVAL) |
| --- | --- | MAJOR CONTOUR (10' INTERVAL) |
| --- | --- | EDGE OF ASPHALT |
| --- | --- | EDGE OF GRAVEL |
| --- | --- | WIRE FENCE |
| --- | --- | DRAINAGE BASIN |
| --- | --- | HVT |

| EXISTING SYMBOLS | PROPOSED SYMBOLS | |
|------------------|------------------|---|
| 3:1 | 3:1 | NOMINAL SLOPE ON CUT OR FILL |
| → | → | FLOW DIRECTION, TYPICALLY ON PAVED SURFACES |

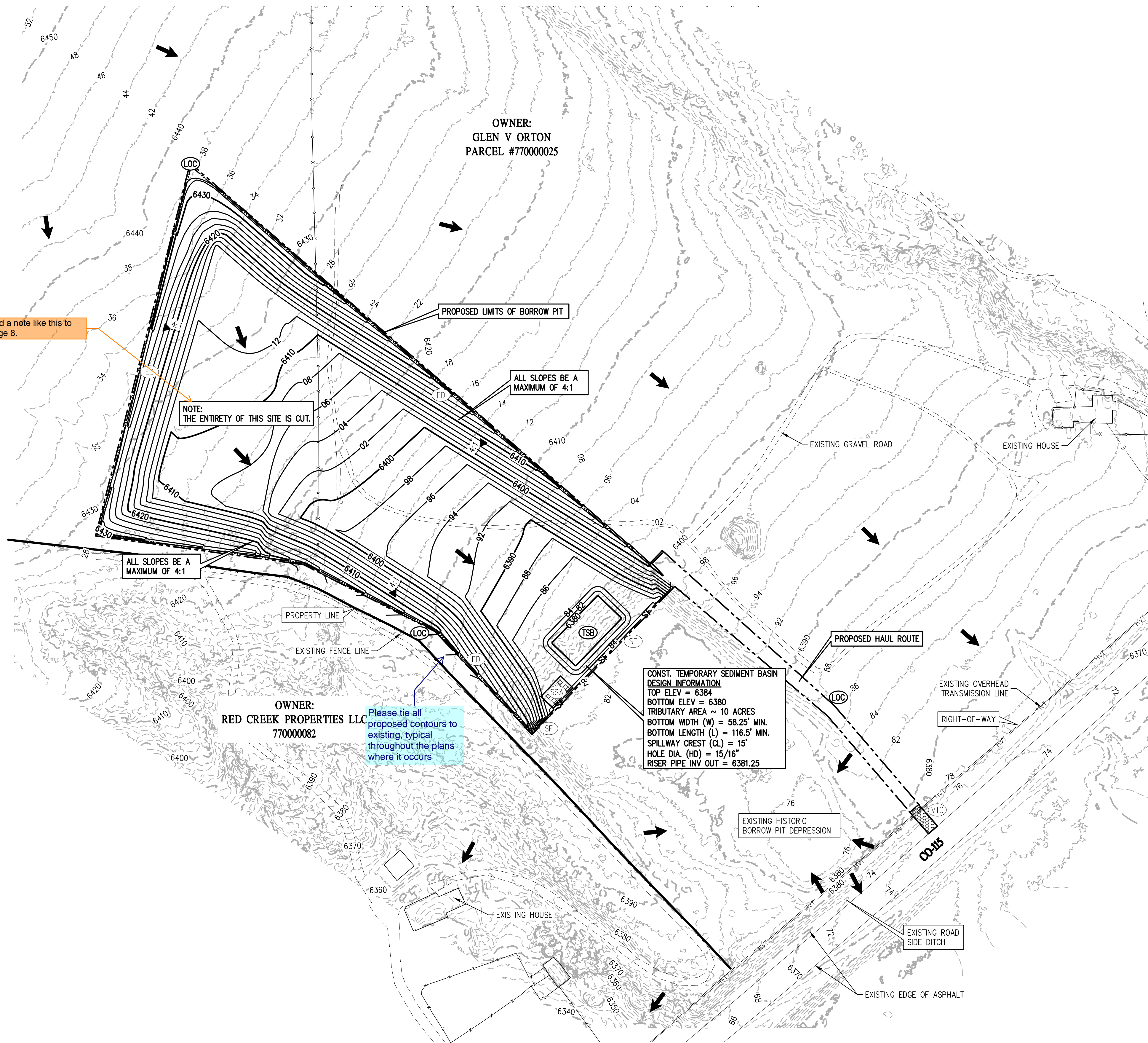
GEC LEGEND

| PHASE | PROPOSED SYMBOLS | |
|-----------------|------------------|--|
| INITIAL/INTERIM | --- | LOC LIMITS OF CONSTRUCTION/DISTURBANCE |
| INITIAL/INTERIM | --- | VTC VEHICLE TRACKING CONTROL |
| INITIAL/INTERIM | --- | SF SILT FENCE |
| INITIAL/INTERIM | --- | ED EARTH DIKE |
| INITIAL/INTERIM | --- | TSB TEMP. SEDIMENT BASIN |
| INITIAL/INTERIM | --- | SSA STABILIZED STAGING AREA |
| FINAL | --- | SM NATIVE SEEDING & MULCHING |

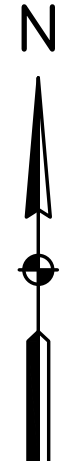
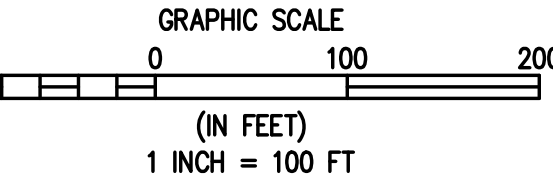
Engineering - Planning - Surveying
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| | | | | | |
|--|------|----------------------|-----|------------|-----|
| DESIGNED BY | SPC | DRAWN BY | LJA | CHECKED BY | SGB |
| PREPARED BY | DATE | REVISION DESCRIPTION | | | |
| <p>CASTLE ROCK CONSTRUCTION COMPANY EL PASO COUNTY UNINCORPORATED</p> | | | | | |
| <p>ORTON PIT SITE 17710 COLO 115 INITIAL PHASE</p> | | | | | |
| <p>PREPARED UNDER THE DIRECT SUPERVISION OF</p> <p>PRELIMINARY NOT FOR CONSTRUCTION</p> | | | | | |
| <p>FOR AND ON BEHALF OF BASELINE CORPORATION</p> | | | | | |
| INITIAL SUBMITTAL | | 07/12/22 | | | |
| DRAWING SIZE | | 24" X 36" | | | |
| SURVEY FIRM | | SURVEY DATE | | | |
| UNKNOWN | | UNKNOWN | | | |
| JOB NO. | | 35059 | | | |
| DRAWING NAME | | GEC2-5 Pit.dwg | | | |
| SHEET | | 2 OF 5 | | | |
| GEC2 | | | | | |

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Add a note like this to page 8.



1 INTERIM PHASE
GEC3 | GEC3

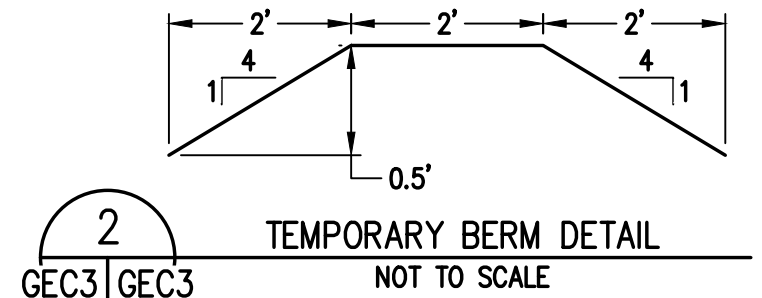
LEGEND

| EXISTING LINETYPES | PROPOSED LINETYPES | |
|--------------------|--------------------|------------------------------|
| --- | --- | PROPERTY BOUNDARY |
| --- | --- | RIGHT-OF-WAY |
| --- | --- | MINOR CONTOUR (2' INTERVAL) |
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| 3:1 | 3:1 | 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 | SF | SILT FENCE |
| INITIAL/INTERIM | ED | EARTH DIKE |
| INITIAL/INTERIM | TSB | TEMP. SEDIMENT BASIN |
| INITIAL/INTERIM | SSA | STABILIZED STAGING AREA |
| FINAL | SM | NATIVE SEEDING & MULCHING |



call out this detail on the plans

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| DESIGNED BY | SPC | DATE | |
| DRAWN BY | LJA | PREPARED BY | |
| CHECKED BY | SGB | REVISION DESCRIPTION | |

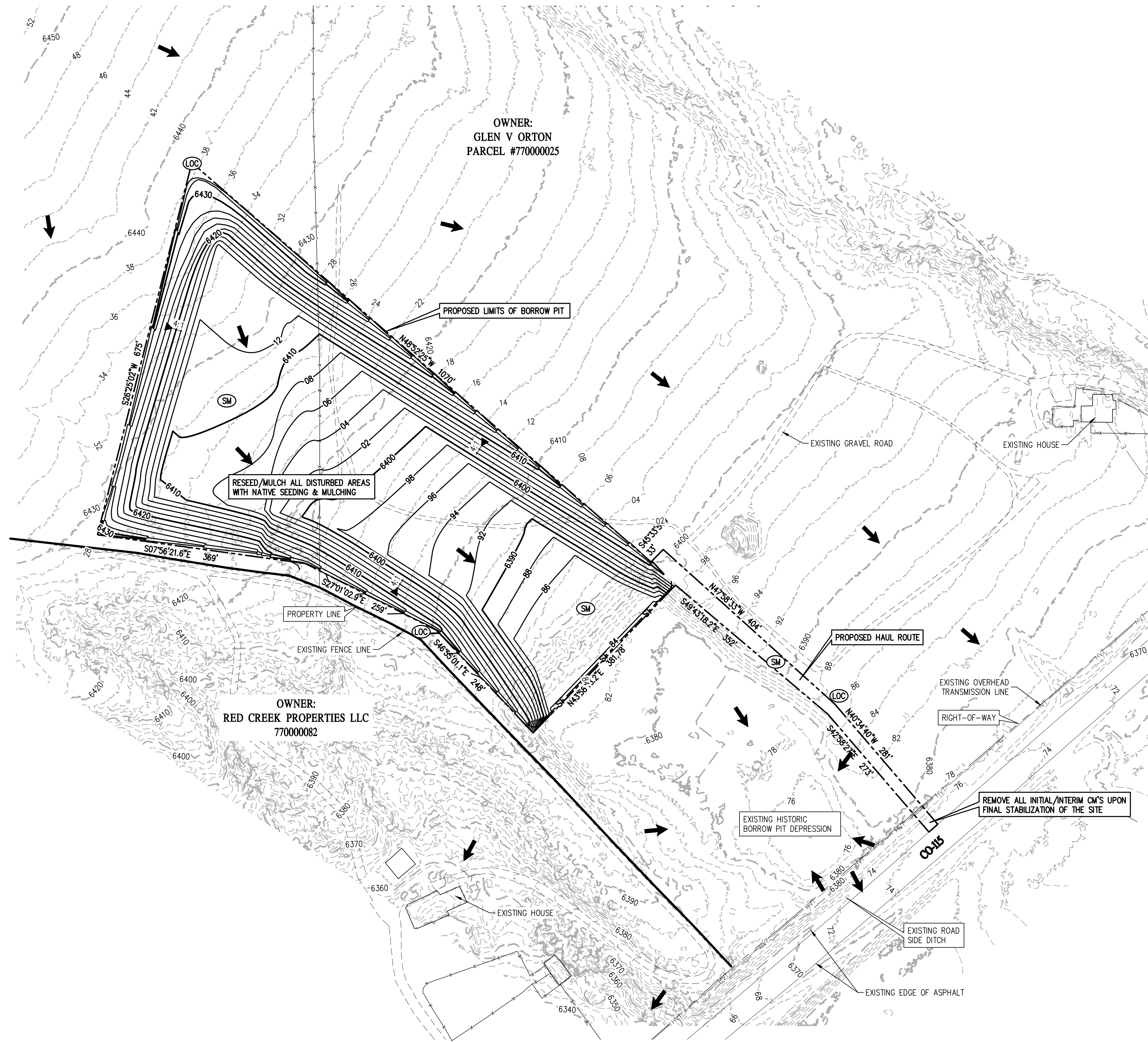
CASTLE ROCK CONSTRUCTION COMPANY
 UNINCORPORATED
 EL PASO COUNTY
 ORTON PIT SITE
 17710 COLO 115
 INTERIM PHASE

PREPARED UNDER THE DIRECT SUPERVISION OF
PRELIMINARY NOT FOR CONSTRUCTION

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

GEC3

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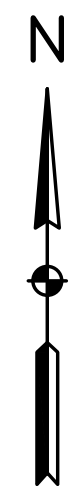
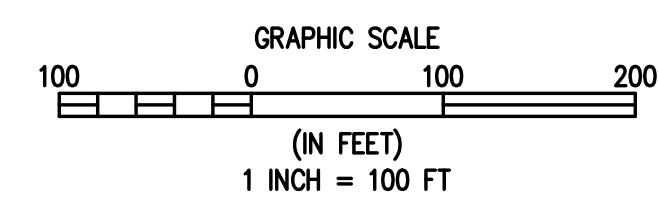
LEGEND

| EXISTING LINETYPES | PROPOSED LINETYPES | |
|--------------------|--------------------|------------------------------|
| --- | --- | PROPERTY BOUNDARY |
| --- | --- | RIGHT-OF-WAY |
| --- | --- | MINOR CONTOUR (2' INTERVAL) |
| --- | --- | MAJOR CONTOUR (10' INTERVAL) |
| --- | --- | EDGE OF ASPHALT |
| --- | --- | EDGE OF GRAVEL |
| --- | --- | WIRE FENCE |
| --- | --- | DRAINAGE BASIN |
| --- | --- | HIGH VOLTAGE TRANSMISSION |

| EXISTING SYMBOLS | PROPOSED SYMBOLS | |
|------------------|------------------|---|
| 3:1 | 3:1 | NOMINAL SLOPE ON CUT OR FILL |
| → | → | FLOW DIRECTION, TYPICALLY ON PAVED SURFACES |

GBC LEGEND

| PHASE | PROPOSED SYMBOLS | |
|-----------------|------------------|------------------------------------|
| INITIAL/INTERIM | (LOC) | LIMITS OF CONSTRUCTION/DISTURBANCE |
| INITIAL/INTERIM | (VTC) | VEHICLE TRACKING CONTROL |
| INITIAL/INTERIM | (SF) | SILT FENCE |
| INITIAL/INTERIM | (ED) | EARTH DIKE |
| INITIAL/INTERIM | (TSB) | TEMP. SEDIMENT BASIN |
| INITIAL/INTERIM | (SSA) | STABILIZED STAGING AREA |
| FINAL | (SM) | NATIVE SEEDING & MULCHING |



1
GEC4 GEC4 FINAL PHASE

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

| REVISION | DESCRIPTION | DATE | PREPARED BY |
|----------|-------------|------|-------------|
| | | | |

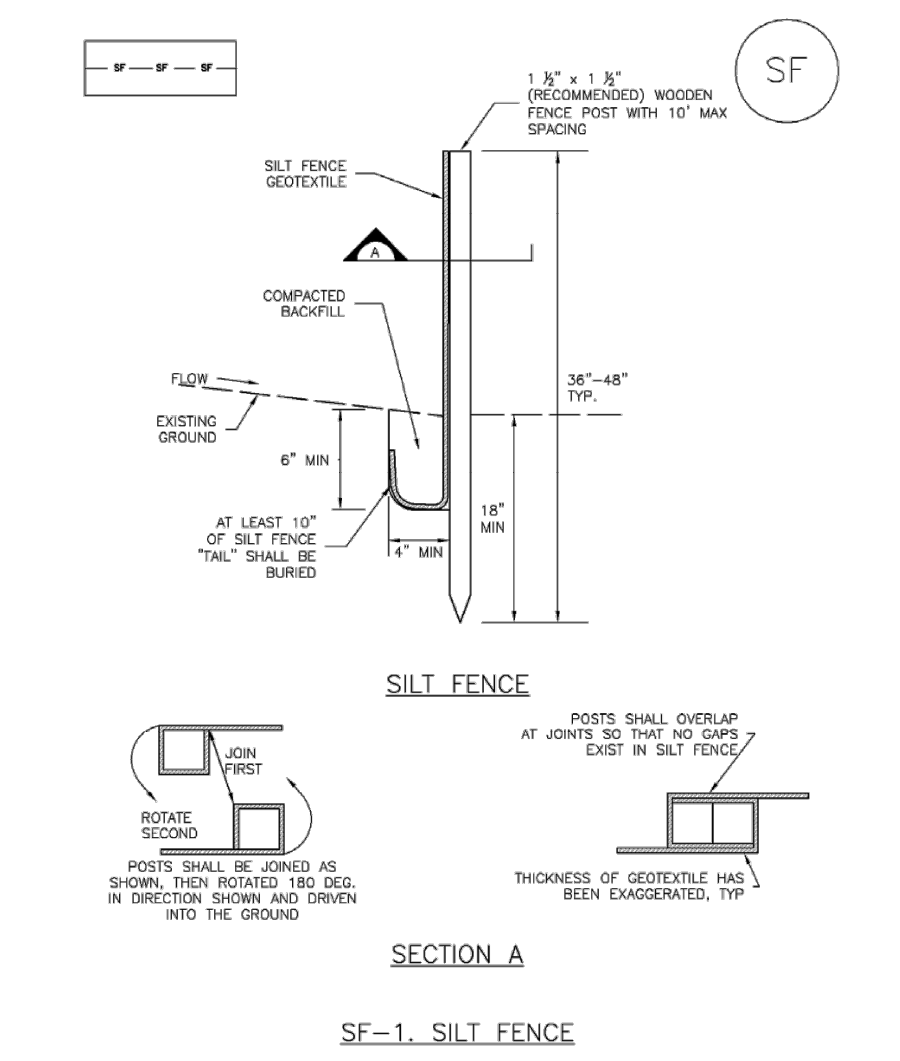
CASTLE ROCK CONSTRUCTION COMPANY
UNINCORPORATED
EL PASO COUNTY
ORTON PIT SITE
17710 COLO 115
FINAL PHASE

PREPARED UNDER THE DIRECT SUPERVISION OF

PRELIMINARY NOT FOR CONSTRUCTION

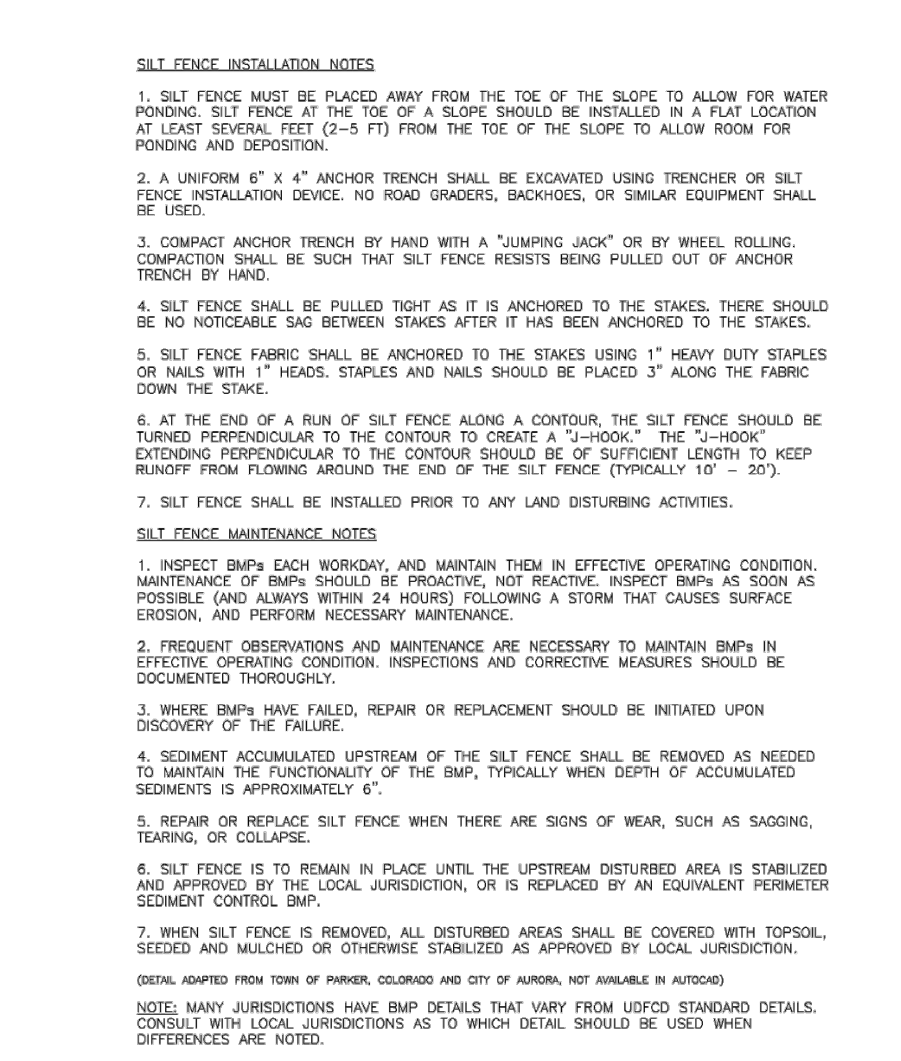
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| FOR AND ON BEHALF OF | BASELINE CORPORATION |
| INITIAL SUBMITTAL | 07/12/22 |
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| JOB NO. | 35059 |
| DRAWING NAME | GEC2-5 Pit.dwg |
| SHEET | 4 OF 5 |

Silt Fence (SF) SC-1



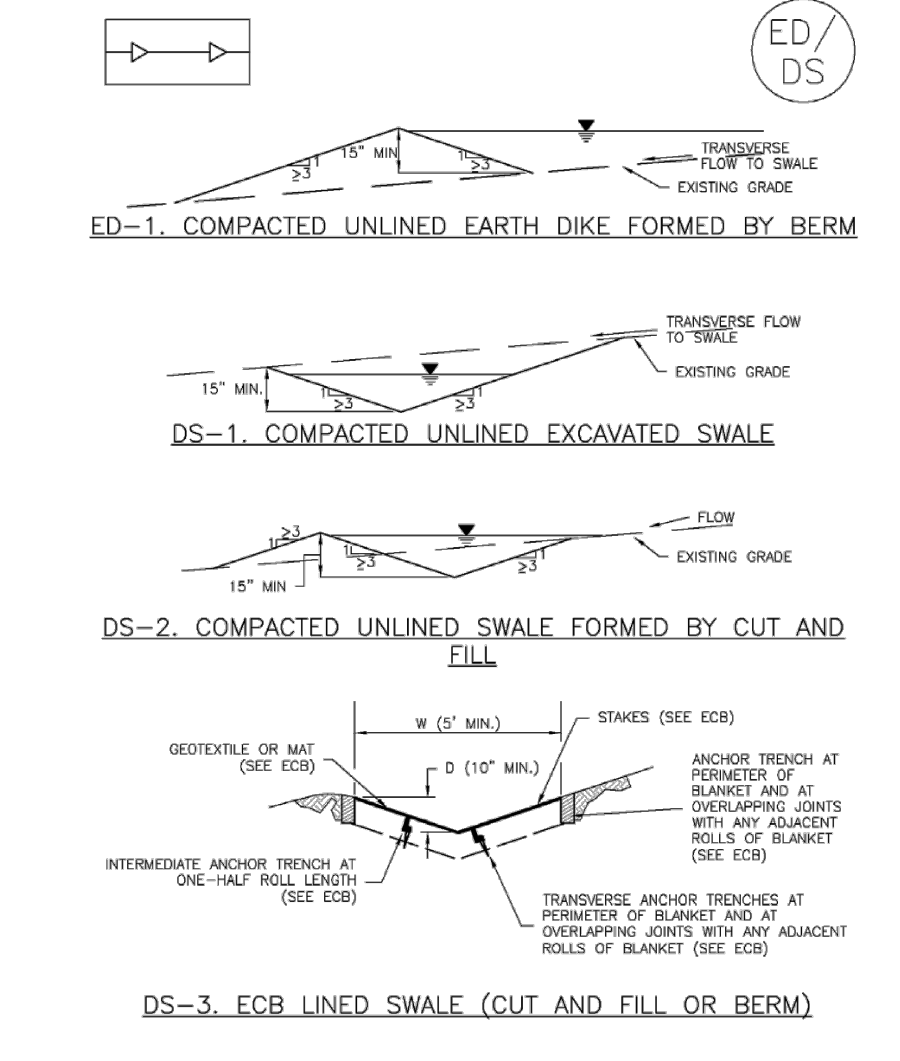
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SF-3

SC-1 Silt Fence (SF)



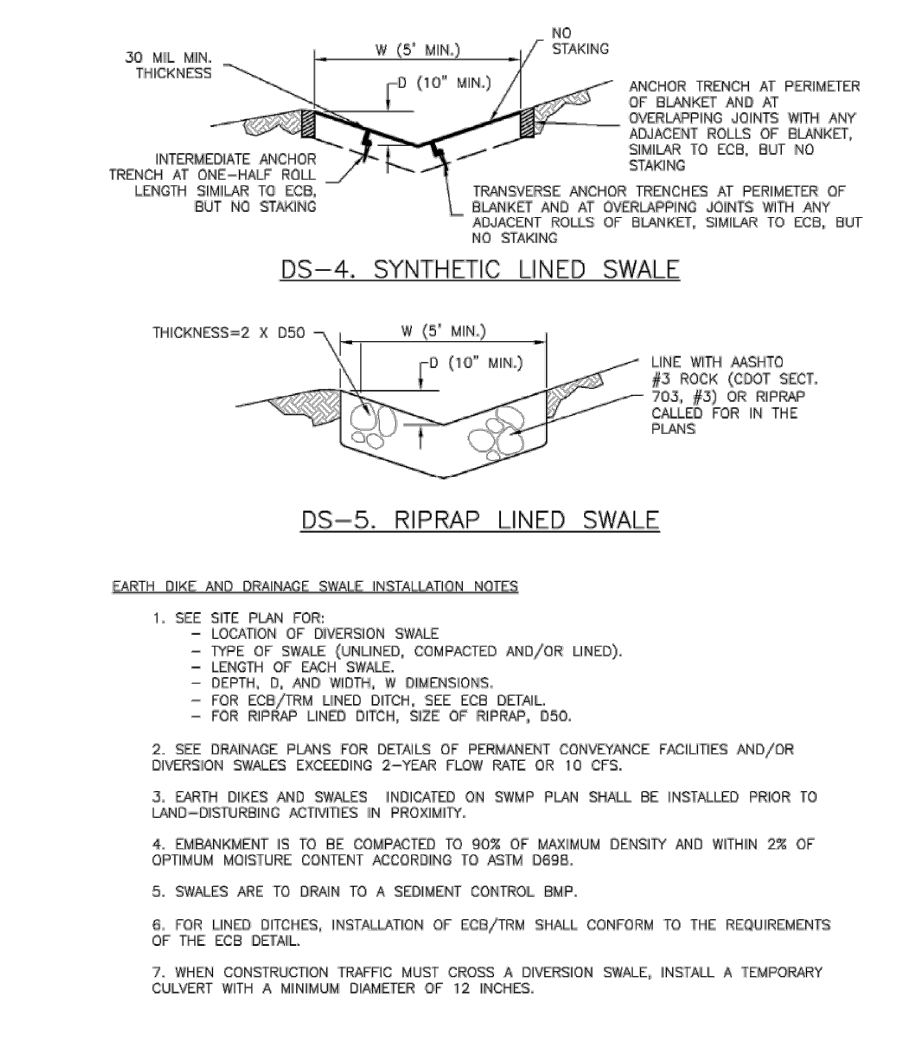
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SF-4

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



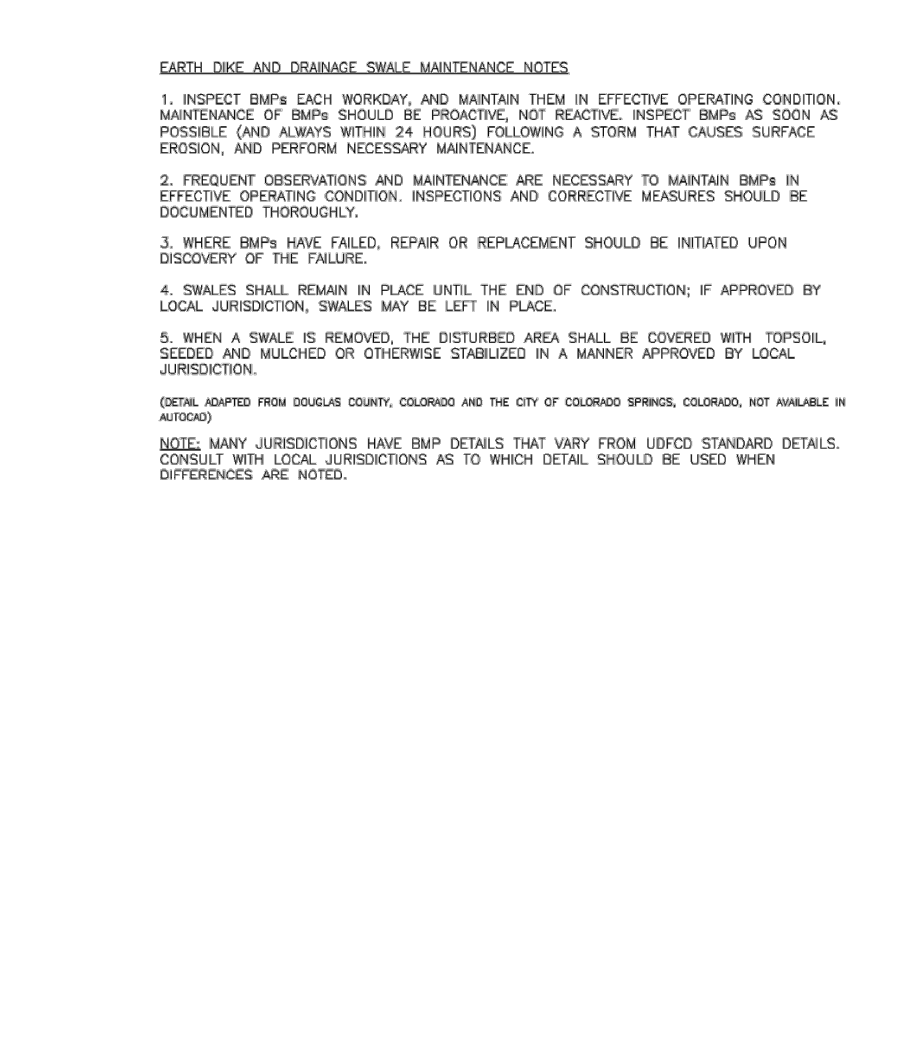
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EC-10 Earth Dikes and Drainage Swales (ED/DS)



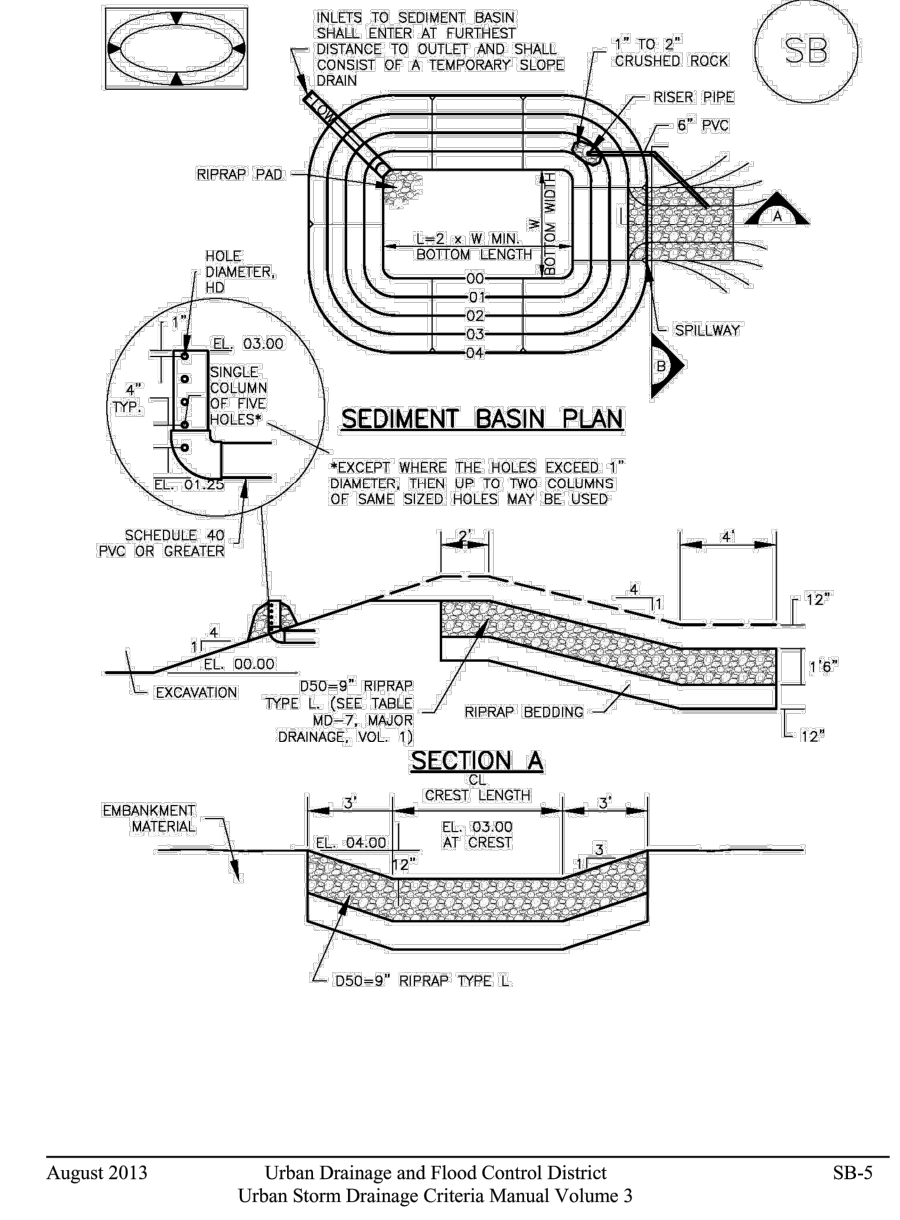
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Earth Dikes and Drainage Swales (ED/DS) EC-10



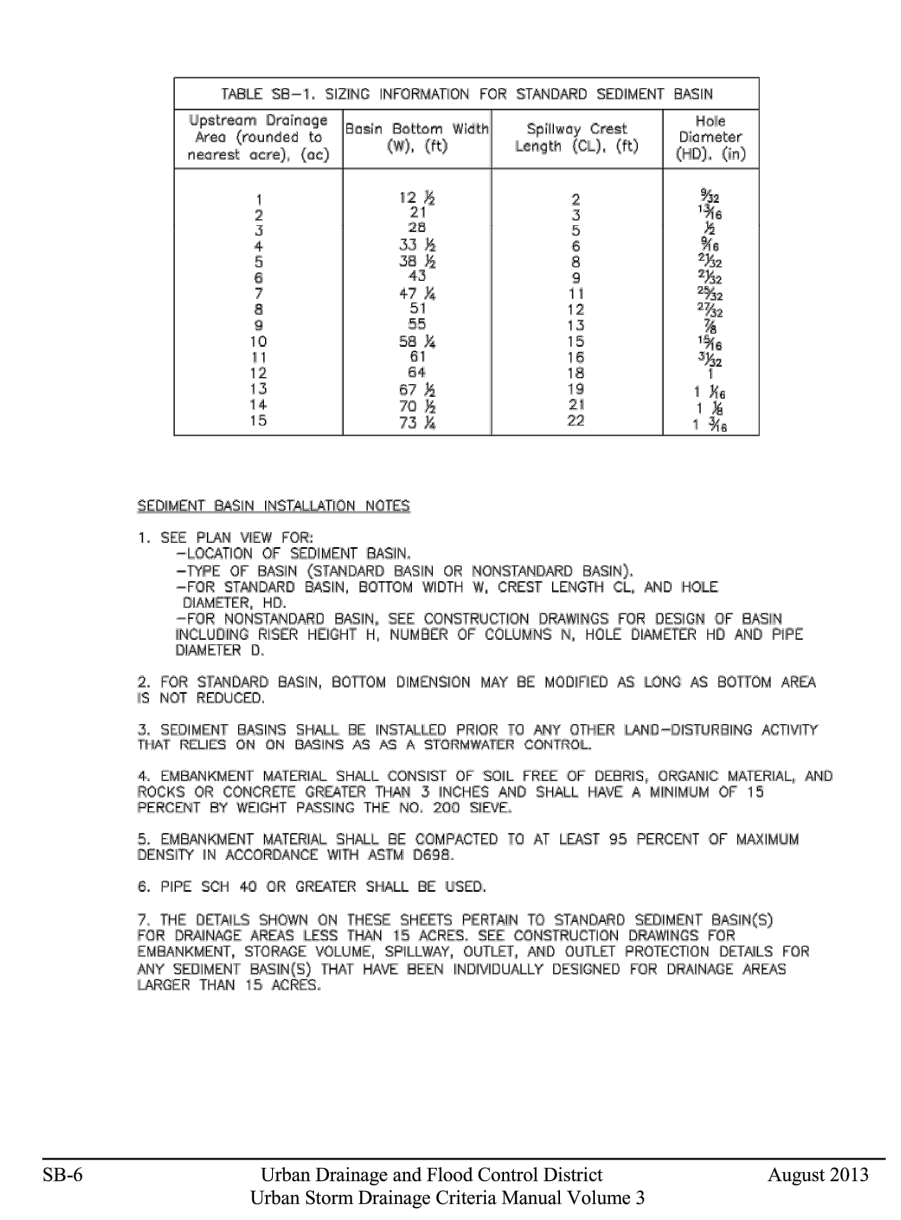
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Sediment Basin (SB) SC-7



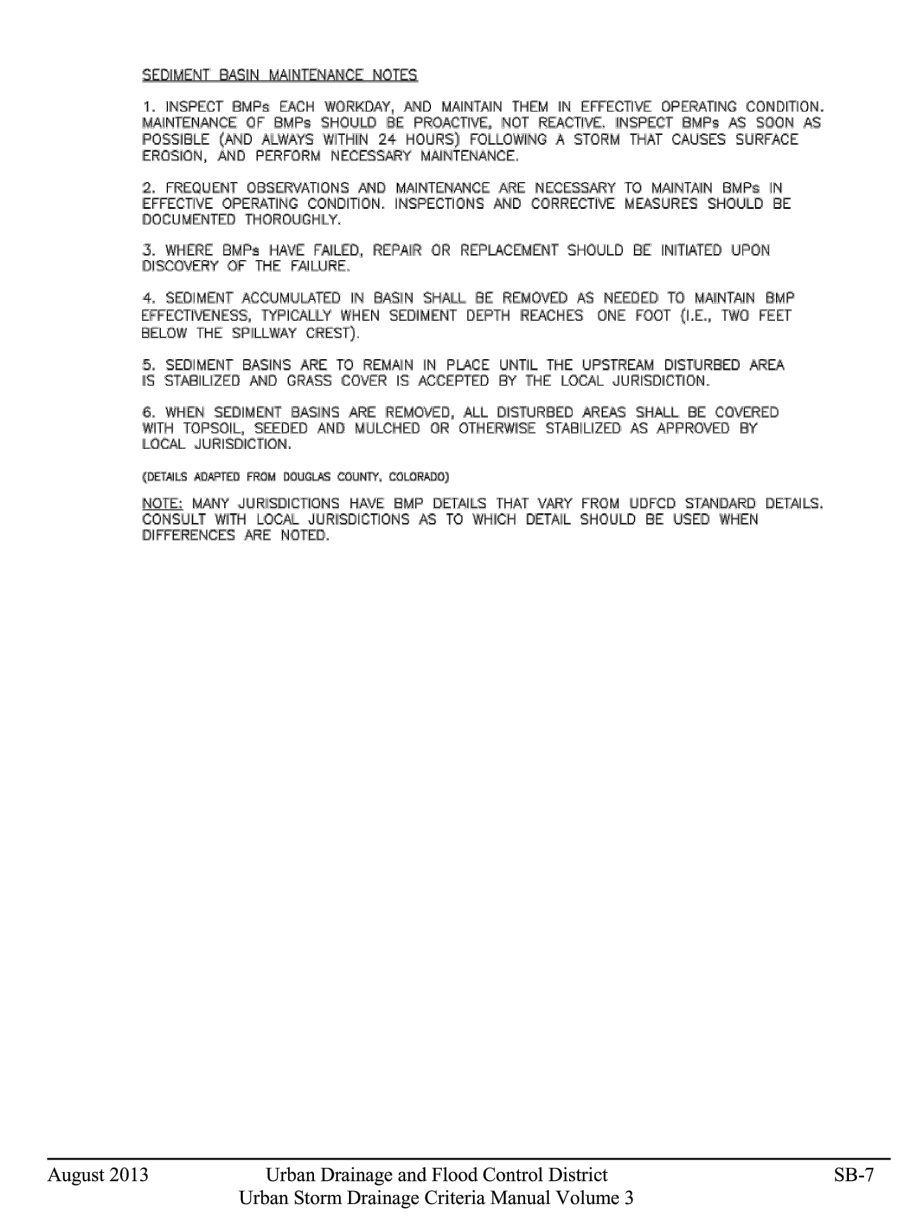
August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SB-5

SC-7 Sediment Basin (SB)



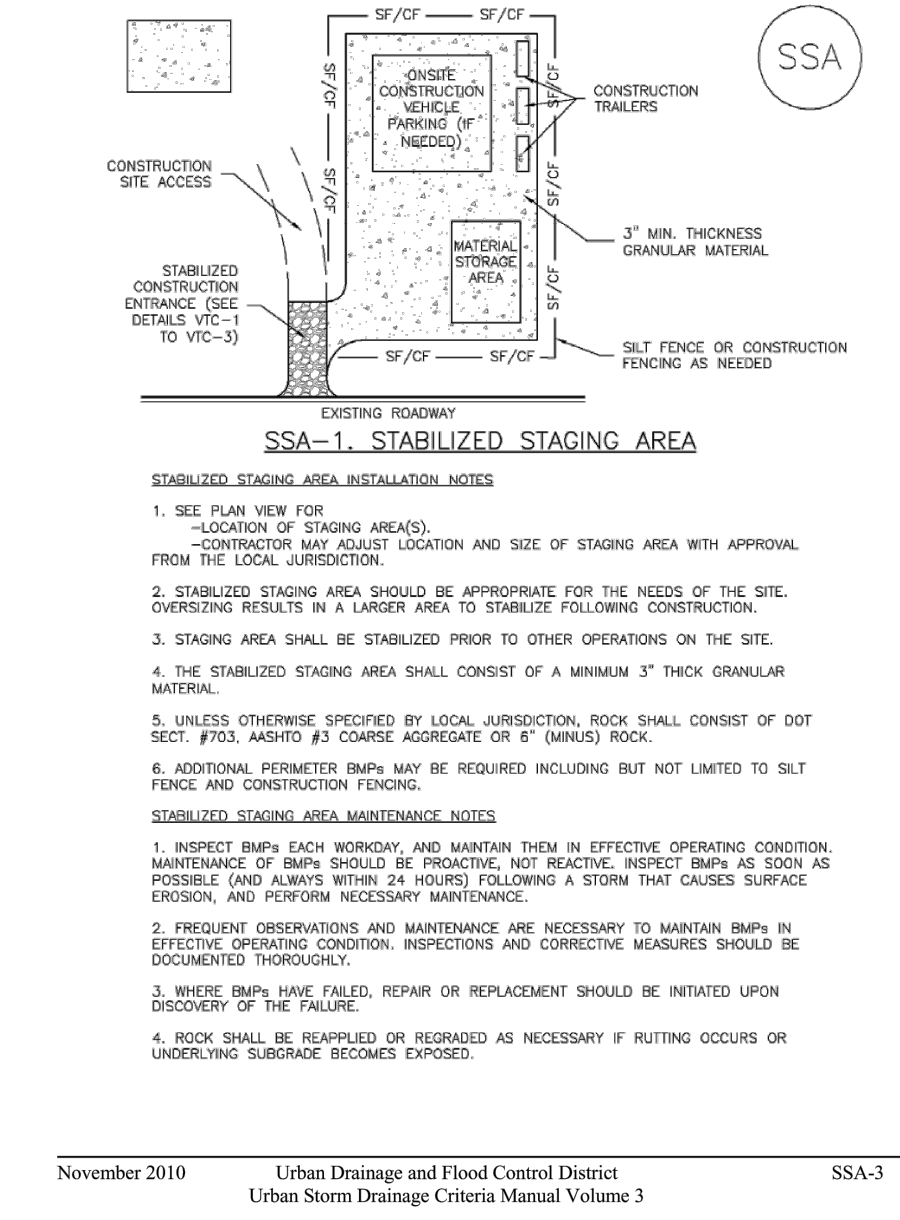
August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SB-6

Sediment Basin (SB) SC-7



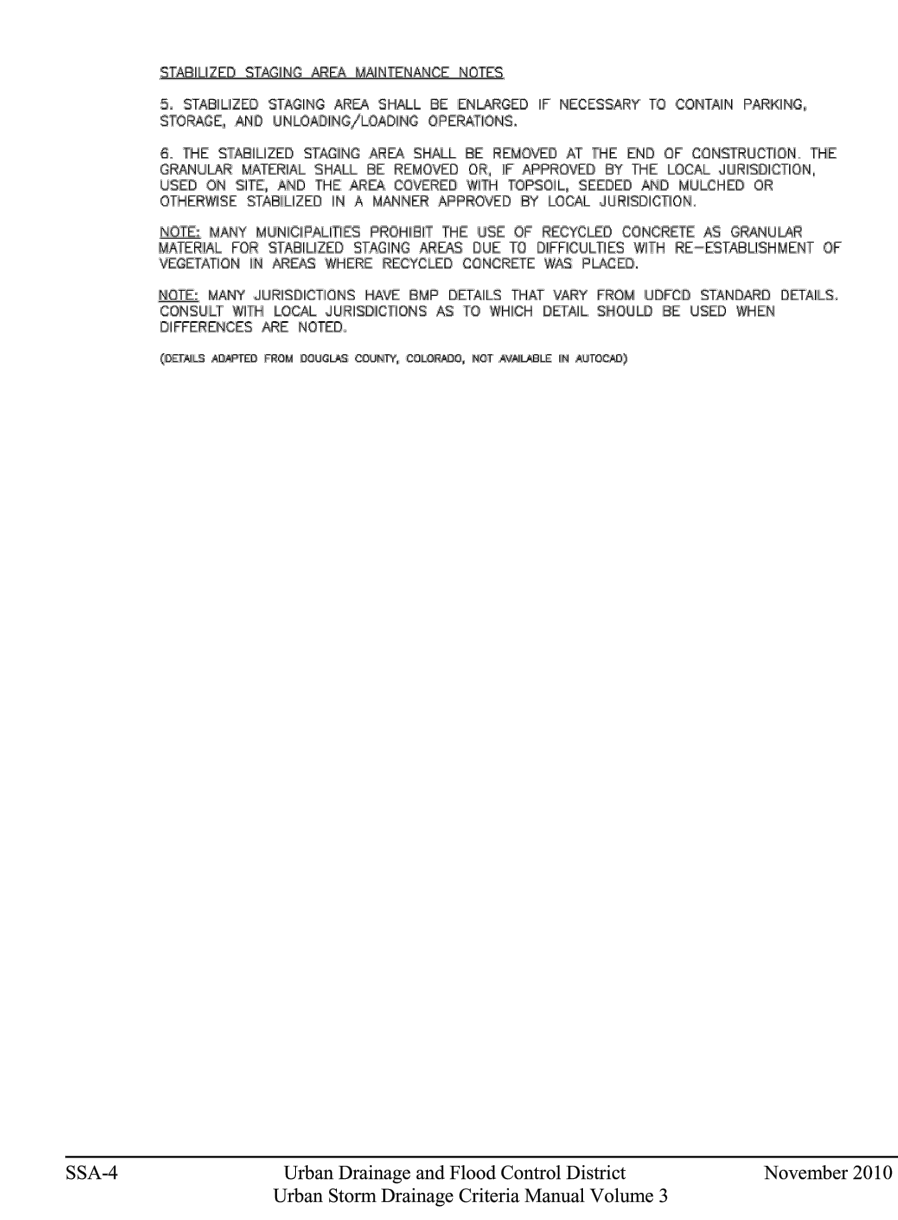
August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SB-7

Stabilized Staging Area (SSA) SM-6



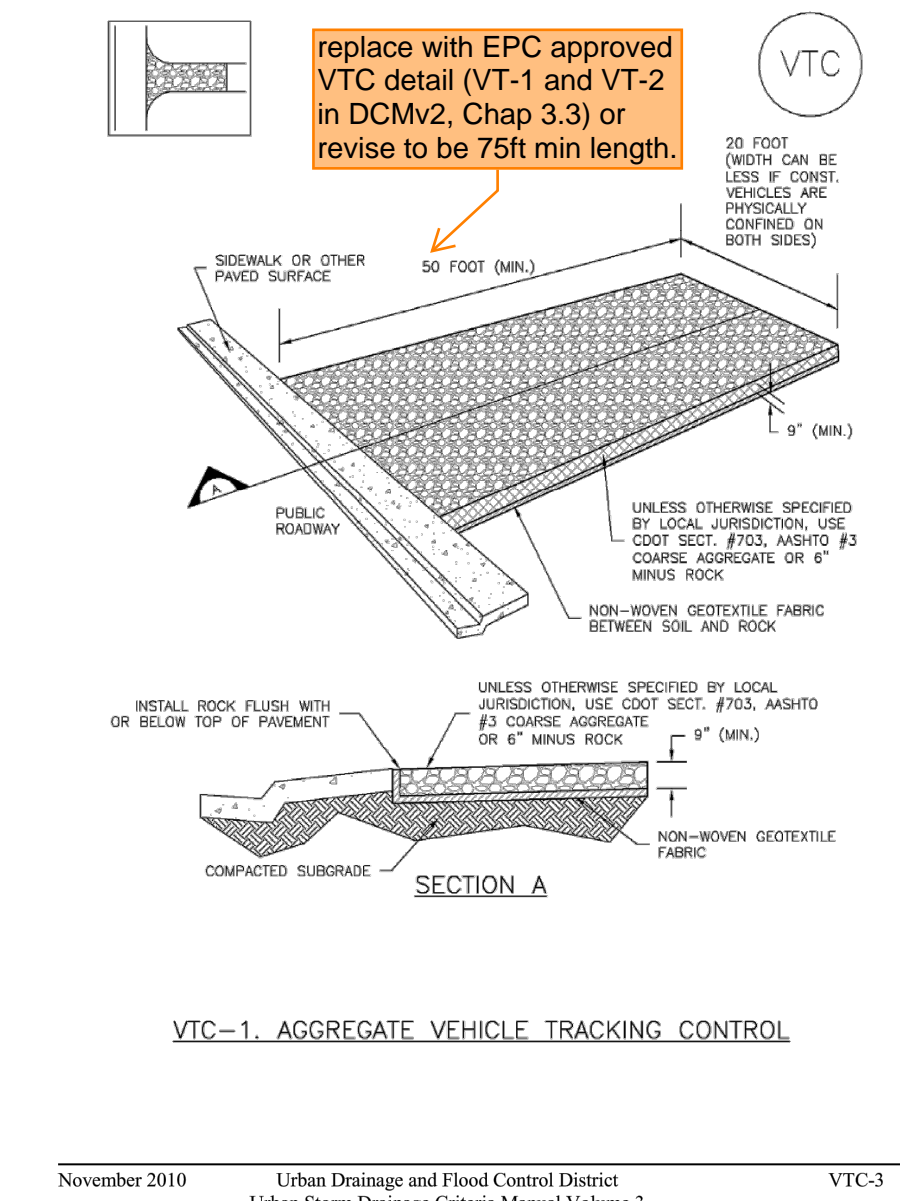
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SSA-3

SM-6 Stabilized Staging Area (SSA)



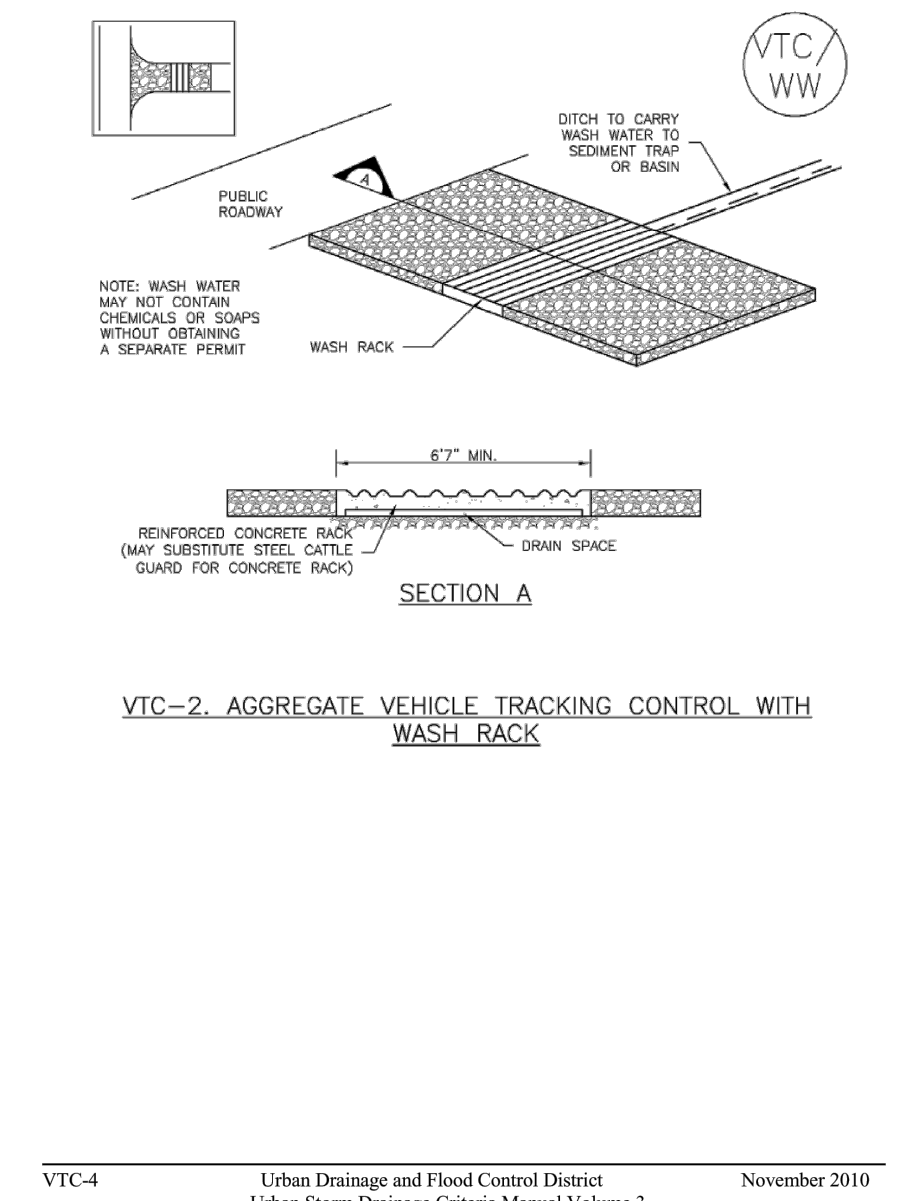
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SSA-4

Vehicle Tracking Control (VTC) SM-4



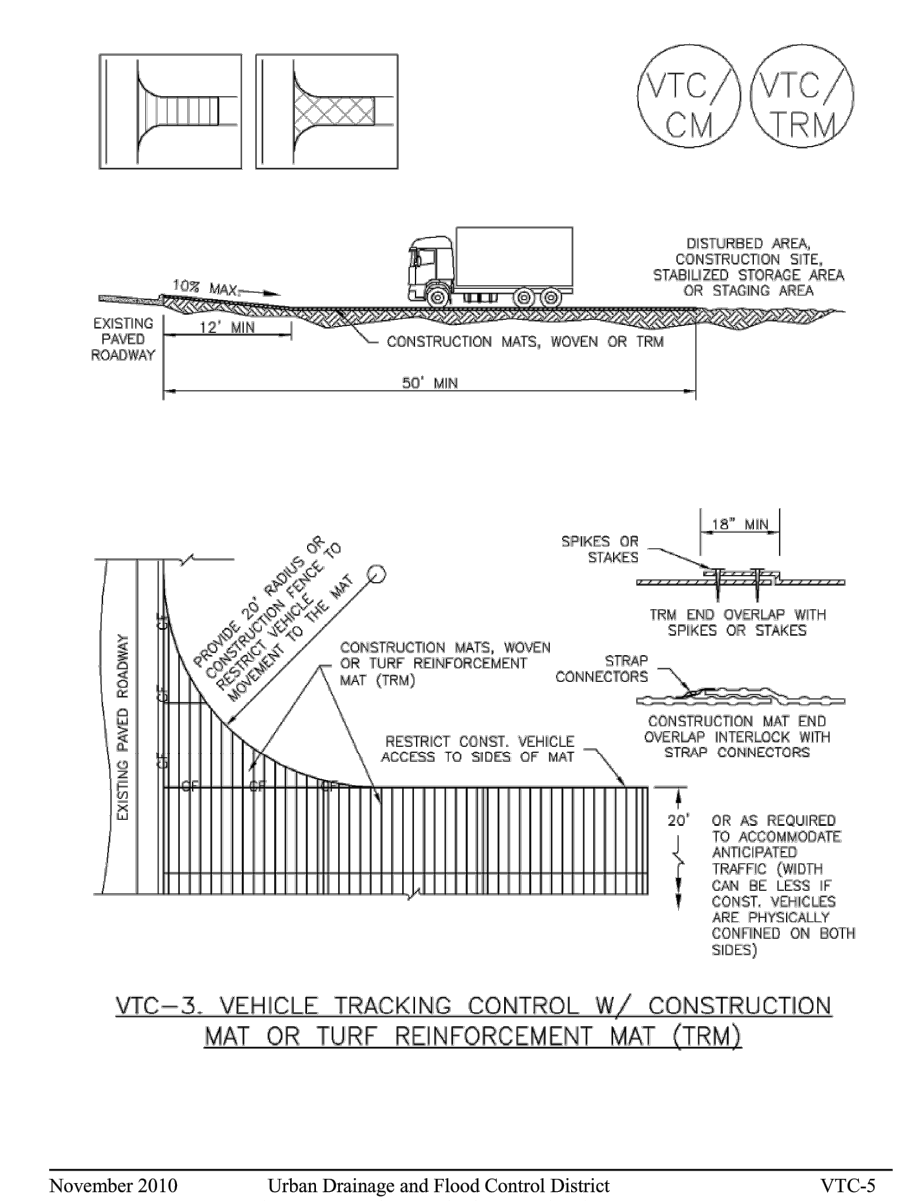
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-3

SM-4 Vehicle Tracking Control (VTC)



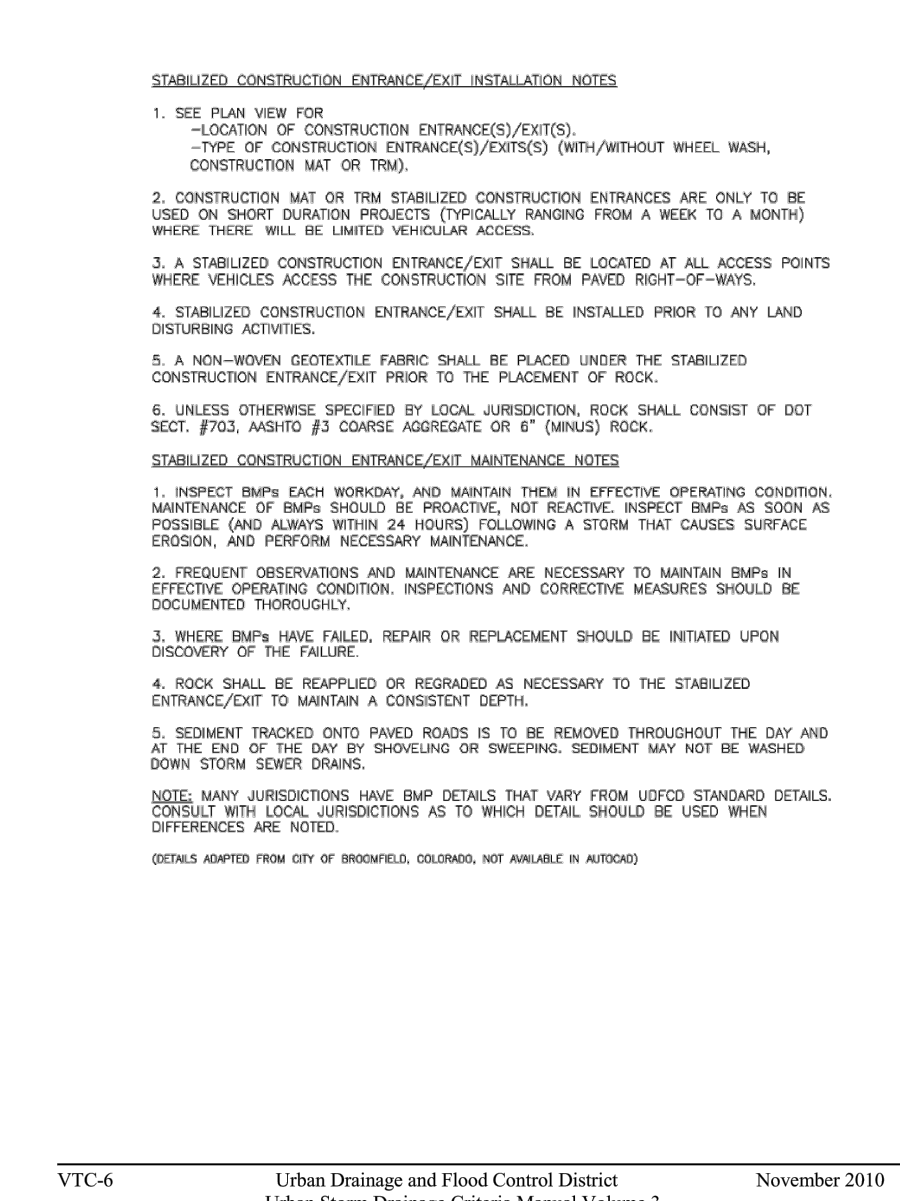
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-4

Vehicle Tracking Control (VTC) SM-4



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-5

SM-4 Vehicle Tracking Control (VTC)



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

BASELINE
Engineering - Planning - Surveying
1046 ELKTON DRIVE • COLORADO SPRINGS, COLORADO 80907
P. 719.531.6200 • F. 719.531.6266 • www.baselinecorp.com

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

DATE: _____
PREPARED BY: _____

REVISION DESCRIPTION

EL PASO COUNTY
UNINCORPORATED
ORTON PIT SITE
17710 COLO 115
DETAILS

PREPARED UNDER THE DIRECT SUPERVISION OF
PRELIMINARY NOT FOR CONSTRUCTION

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
DRAWING NAME GEC2-5 Pit.dwg
SHEET 5 OF 5
GEC5

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
- 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 OFFSITE WATERS, INCLUDING WETLANDS.
 - 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.
 - 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 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.
 - 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.
 - 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.
 - 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.
 - 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.
 - 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.
 - ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DEFINED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT EFFECT THE HYDROLOGY OR HYDRAULICS OF A PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
 - 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.
 - 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.
 - 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.
 - 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.
 - DEWATERING OPERATIONS: UNCONTAMINATED GROUND WATER MAY BE DISCHARGED ON SITE, BUT MAY NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF.
 - EROSION CONTROL BLANKETING IS TO BE USED ON SLOPES STEEPER THAN 3:1.
 - 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. BMPs MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
 - VEHICLE TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFFSITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
 - 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.
 - 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.
 - 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.
 - 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.
 - 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.
 - NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER OR IN THE DITCH FLOW LINE.
 - 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.
 - ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
 - PRIOR TO ACTUAL CONSTRUCTION THE PERMITEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
 - A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
 - A SOILS REPORT WAS NOT PREPARED FOR THIS SITE.
 - 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 (SWMP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

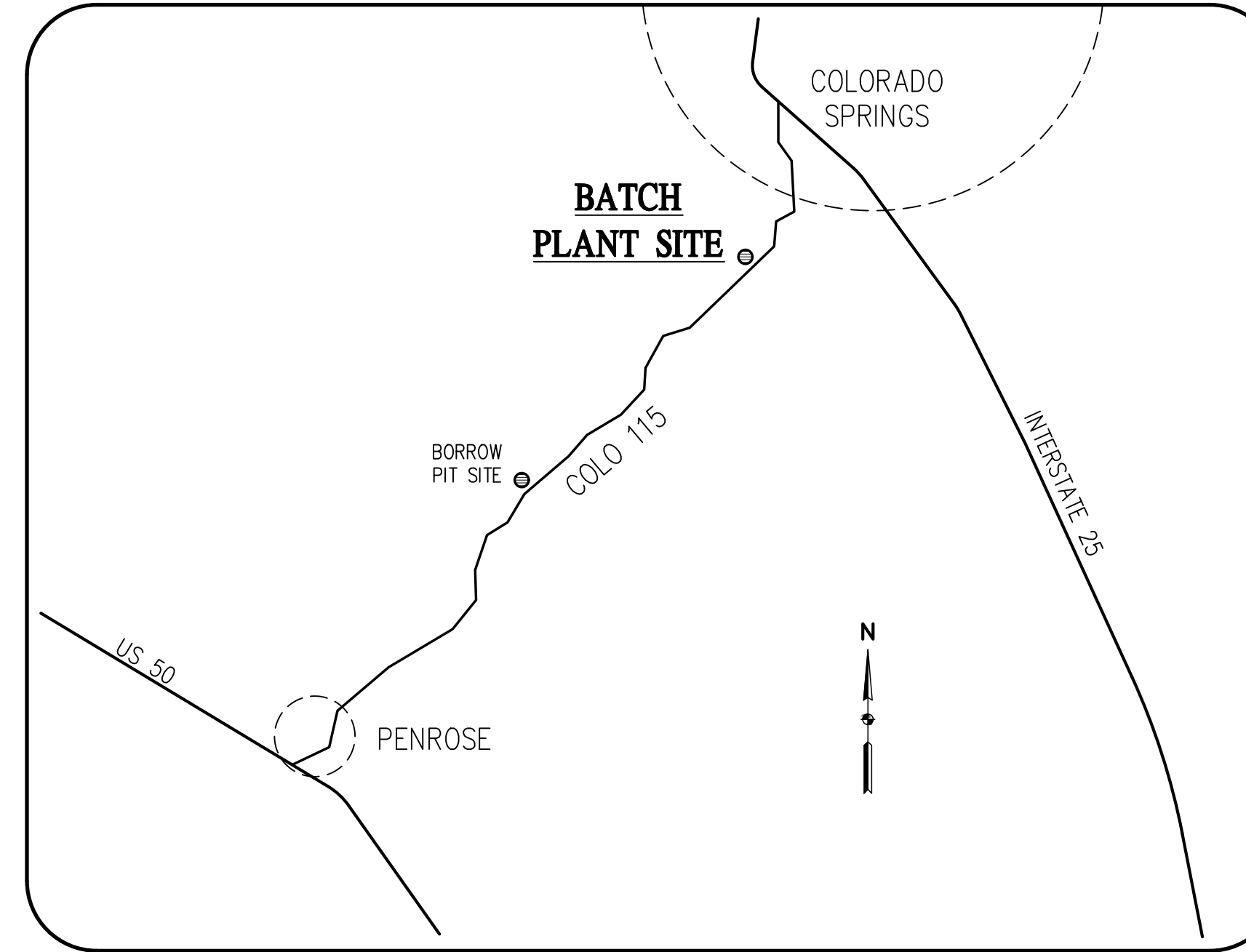
COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL DIVISION
WQCD - PERMITS
4300 CHERRY CREEK DRIVE SOUTH
DENVER, CO 80246-1530
ATTN: PERMITS UNIT



Know what's below.
Call before you dig.

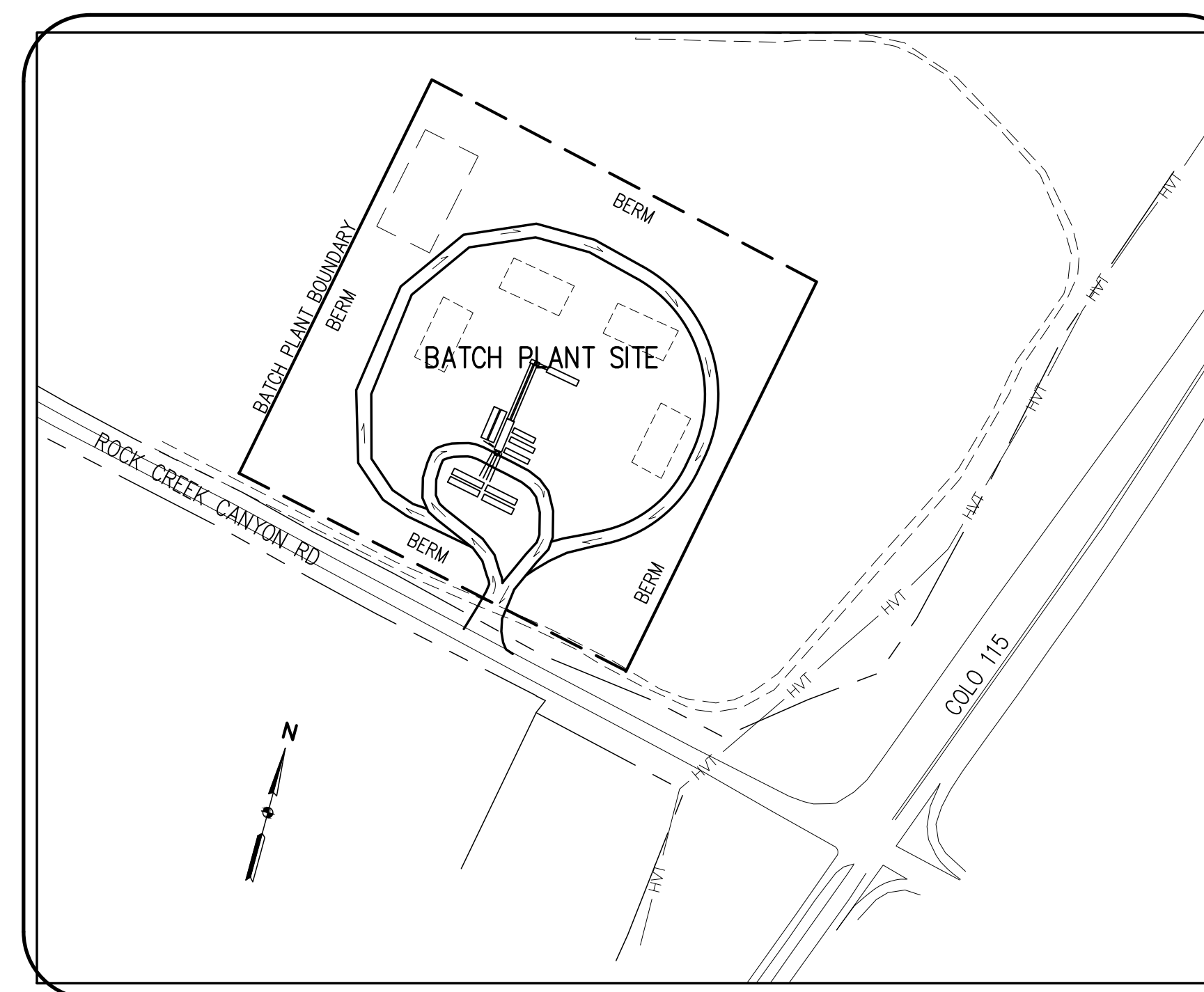
SHBET INDEX

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



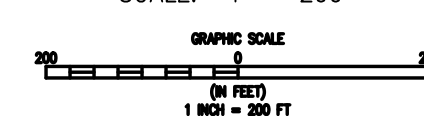
VICINITY MAP
NOT TO SCALE

Revise to match these items on pg 5 of GEC Checklist.



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
303-688-6611
TBELL@CRCLL.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, 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.

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

Please revise to Joshua Palmer



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

| REVISION | DESCRIPTION | DATE |
|----------|-------------|------|
| | | |
| | | |
| | | |
| | | |

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

PREPARED UNDER THE DIRECT SUPERVISION OF

PRELIMINARY
NOT FOR
CONSTRUCTION

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

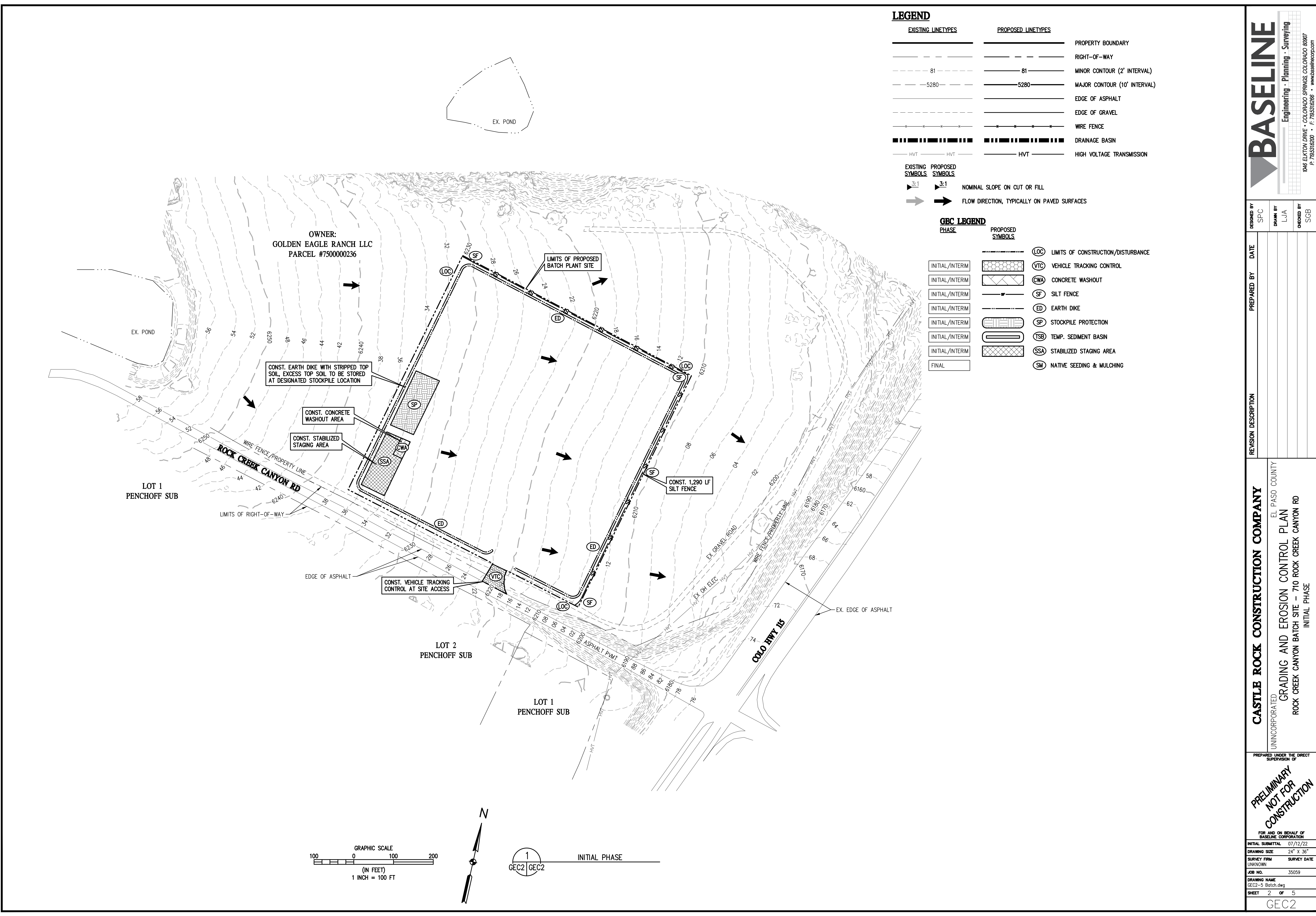
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SHEET 1 OF 5

GEC-1

Add text:
PCD Filing No.: CDR2211

R:\35059 Orion Pit Drainage Report\Drawings\Construction Documents\GEC2-5 Botch.dwg, 7/12/2022 2:53:44 PM, Sean Callahan



LEGEND

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

| EXISTING SYMBOLS | PROPOSED SYMBOLS | |
|------------------|------------------|---|
| 3:1 | 3:1 | NOMINAL SLOPE ON CUT OR FILL |
| → | → | FLOW DIRECTION, TYPICALLY ON PAVED SURFACES |

GBC 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 | SM | NATIVE SEEDING & MULCHING |
| FINAL | | |

OWNER:
GOLDEN EAGLE RANCH LLC
PARCEL #750000236

CONST. EARTH DIKE WITH STRIPPED TOP SOIL, EXCESS TOP SOIL TO BE STORED AT DESIGNATED STOCKPILE LOCATION

CONST. CONCRETE WASHOUT AREA

CONST. STABILIZED STAGING AREA

LIMITS OF PROPOSED BATCH PLANT SITE

CONST. 1,290 LF SILT FENCE

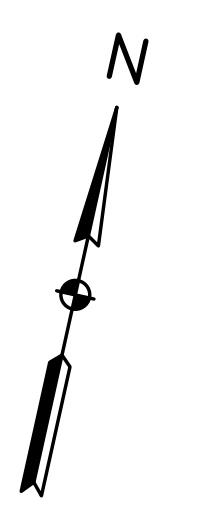
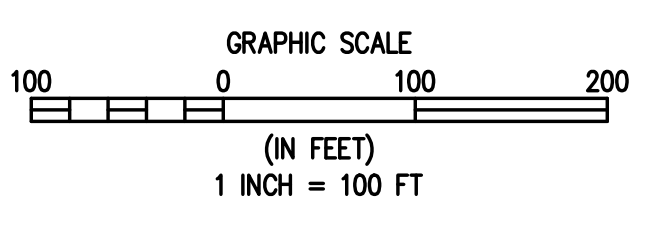
CONST. VEHICLE TRACKING CONTROL AT SITE ACCESS

CONST. VEHICLE TRACKING CONTROL AT SITE ACCESS

LOT 1
PENCHOFF SUB

LOT 2
PENCHOFF SUB

LOT 1
PENCHOFF SUB



1 INITIAL PHASE
GEC2 GEC2

BASELINE
Engineering - Planning - Surveying
1046 ELKTON DRIVE • COLORADO SPRINGS, COLORADO 80907
P. 719.531.6200 • F. 719.531.6266 • www.baselinecorp.com

| | | | |
|-------------|-----|----------------------|--|
| DESIGNED BY | SPC | DATE | |
| DRAWN BY | LJA | PREPARED BY | |
| CHECKED BY | SGB | REVISION DESCRIPTION | |

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

PRELIMINARY NOT FOR CONSTRUCTION

| | |
|----------------------|----------------------|
| FOR AND ON BEHALF OF | BASELINE CORPORATION |
| INITIAL SUBMITTAL | 07/12/22 |
| DRAWING SIZE | 24" X 36" |
| SURVEY FIRM | UNKNOWN |
| SURVEY DATE | UNKNOWN |
| JOB NO. | 35059 |
| DRAWING NAME | GEC2-5 Botch.dwg |
| SHEET | 2 OF 5 |

GEC2

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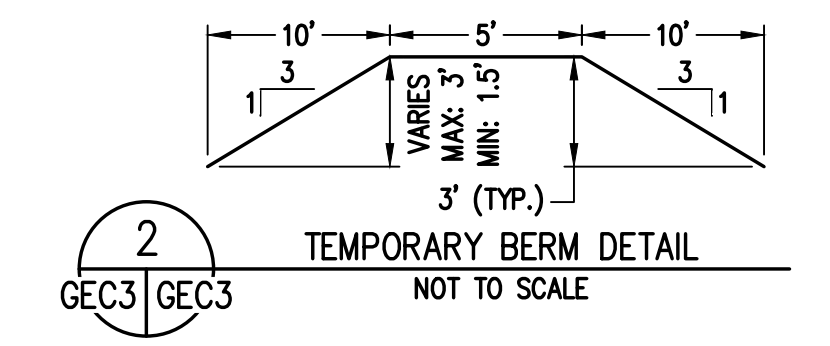
LEGEND

| EXISTING LINETYPES | PROPOSED LINETYPES | |
|--------------------|--------------------|------------------------------|
| --- | --- | PROPERTY BOUNDARY |
| --- | --- | RIGHT-OF-WAY |
| --- | --- | MINOR CONTOUR (2' INTERVAL) |
| --- | --- | MAJOR CONTOUR (10' INTERVAL) |
| --- | --- | EDGE OF ASPHALT |
| --- | --- | EDGE OF GRAVEL |
| --- | --- | WIRE FENCE |
| --- | --- | DRAINAGE BASIN |
| --- | --- | HVT |

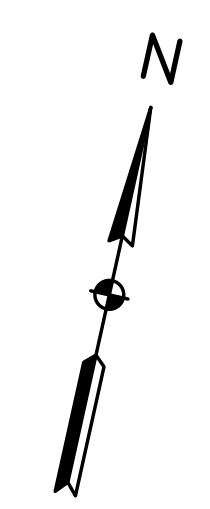
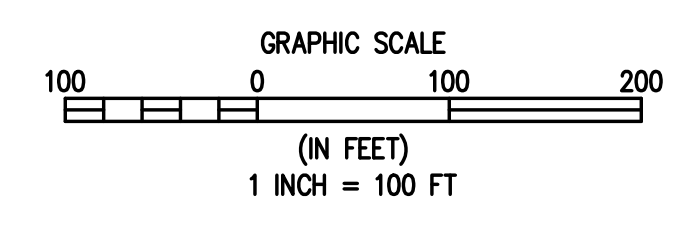
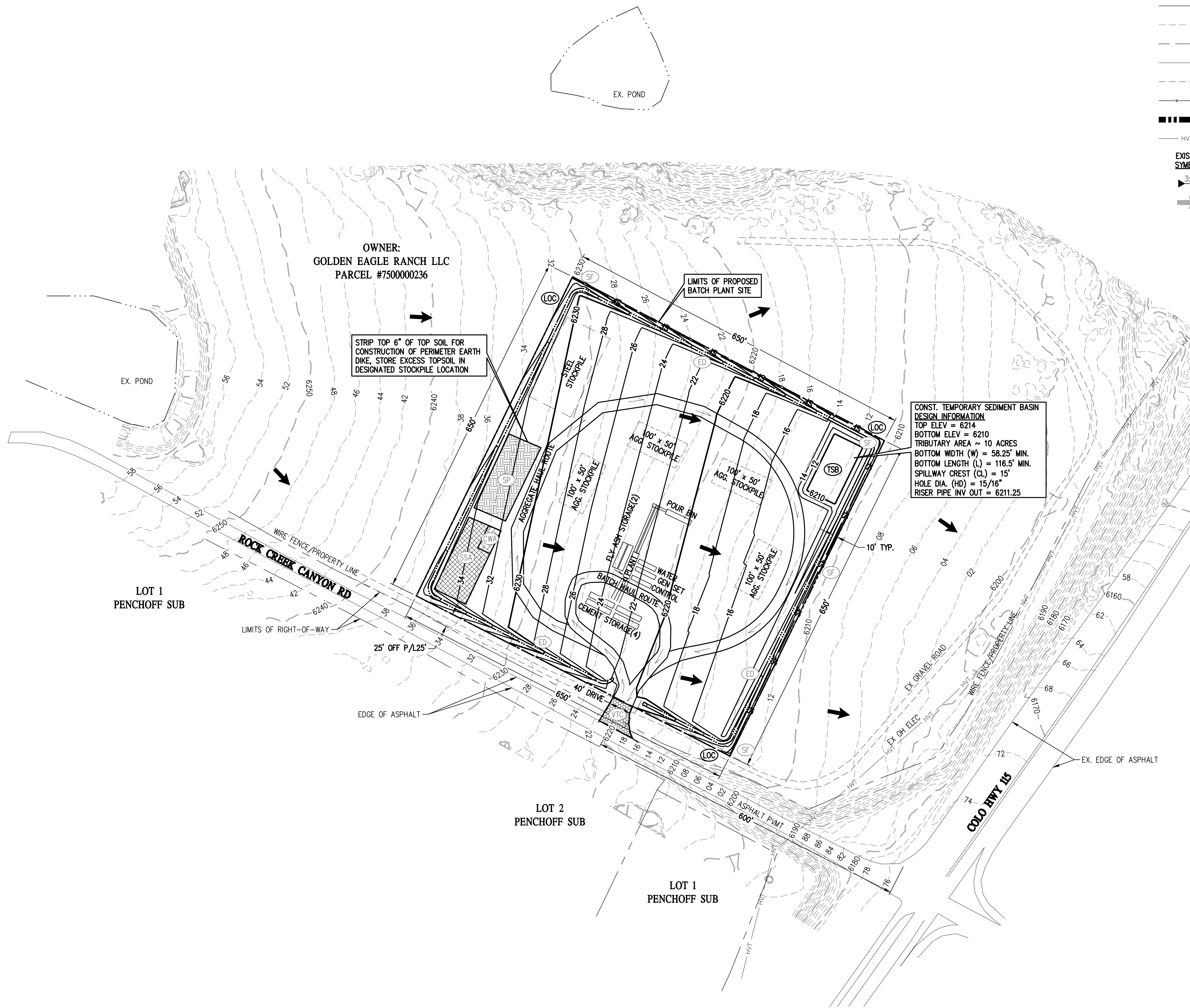
| EXISTING SYMBOLS | PROPOSED SYMBOLS | |
|------------------|------------------|---|
| ▲ | ▲ | NOMINAL SLOPE ON CUT OR FILL |
| → | → | FLOW DIRECTION, TYPICALLY ON PAVED SURFACES |

GBC 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 |
| FINAL | --- | SM NATIVE SEEDING & MULCHING |



call out this detail on the plans.



1 INTERIM PHASE
GEC3 GEC3

| DESIGNED BY | DATE |
|-------------|-------------|
| SPC | |
| DRAWN BY | DATE |
| LJA | |
| CHECKED BY | DATE |
| SGB | |
| REVISION | DESCRIPTION |

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EL PASO COUNTY
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ROCK CREEK CANYON BATCH SITE - 710 ROCK CREEK CANYON RD
INTERIM PHASE

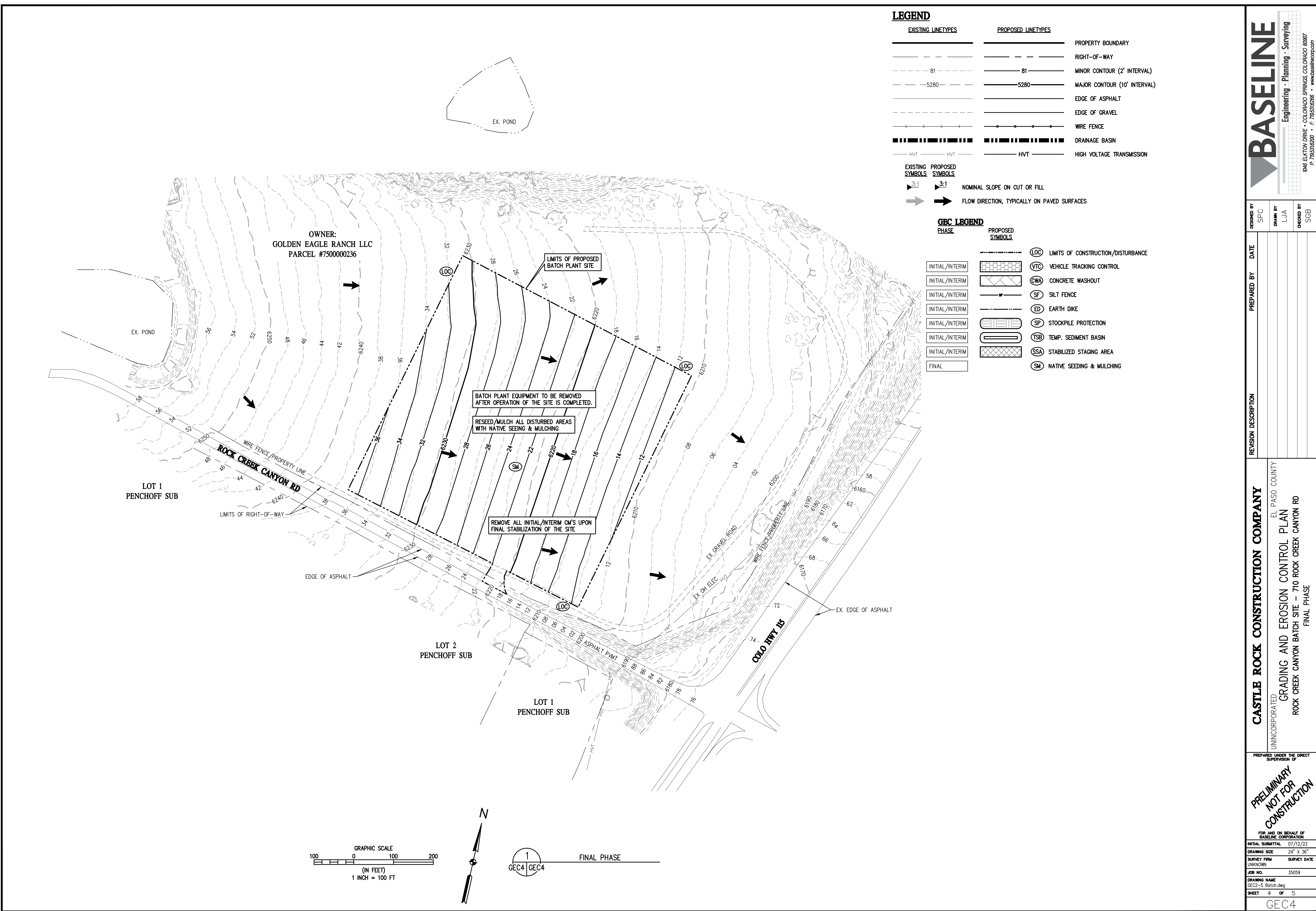
PREPARED UNDER THE DIRECT SUPERVISION OF

PRELIMINARY NOT FOR CONSTRUCTION

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

GEC3

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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 |
| --- | --- | DRAINAGE BASIN |
| HVT | HVT | HIGH VOLTAGE TRANSMISSION |

| EXISTING SYMBOLS | PROPOSED SYMBOLS | |
|------------------|------------------|---|
| 3:1 | 3:1 | 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 |
| FINAL | SM | NATIVE SEEDING & MULCHING |

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| | | | |
|-------------|-----|----------------------|--|
| DESIGNED BY | SPC | DATE | |
| DRAWN BY | LJA | PREPARED BY | |
| CHECKED BY | SGB | REVISION DESCRIPTION | |

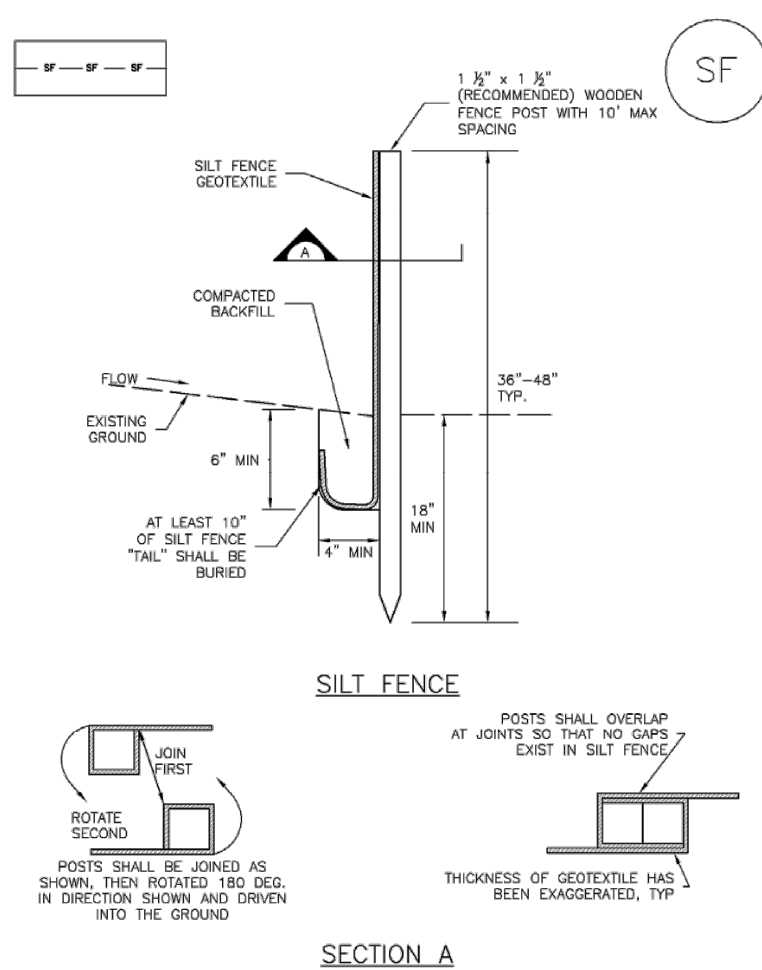
CASTLE ROCK CONSTRUCTION COMPANY
UNINCORPORATED
EL PASO COUNTY
GRADING AND EROSION CONTROL PLAN
ROCK CREEK CANYON BATCH SITE - 710 ROCK CREEK CANYON RD
FINAL PHASE

FOR AND ON BEHALF OF
BASELINE CORPORATION
PREPARED UNDER THE DIRECT
SUPERVISION OF
**PRELIMINARY
NOT FOR
CONSTRUCTION**

| | |
|-------------------|------------------|
| INITIAL SUBMITTAL | 07/12/22 |
| DRAWING SIZE | 24" X 36" |
| SURVEY FIRM | UNKNOWN |
| 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

SC-1 Silt Fence (SF)

SILT FENCE INSTALLATION NOTES

- SILT FENCE MUST BE PLACED AWAY FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER PONDING. SILT FENCE AT THE TOE OF A SLOPE SHOULD BE INSTALLED IN A FLAT LOCATION AT LEAST SEVEN FEET (2+H) FROM THE TOE OF THE SLOPE TO ALLOW ROOM FOR PONDING AND DEPOSITION.
- A UNIFORM 6" x 4" ANCHOR TRENCH SHALL BE EXCAVATED USING TRENCHER OR SILT FENCE INSTALLATION DEVICE. NO ROAD GRADERS, BACKHOES OR SIMILAR EQUIPMENT SHALL BE USED TO EXCAVATE ANCHOR TRENCHES.
- COMPACT ANCHOR TRENCH BY HAND WITH A "TAMPING 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 NOTICEABLE SAG BETWEEN STAKES AFTER 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 FLOWING AROUND THE END OF THE SILT FENCE (TYPICALLY 10' - 20').
- SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

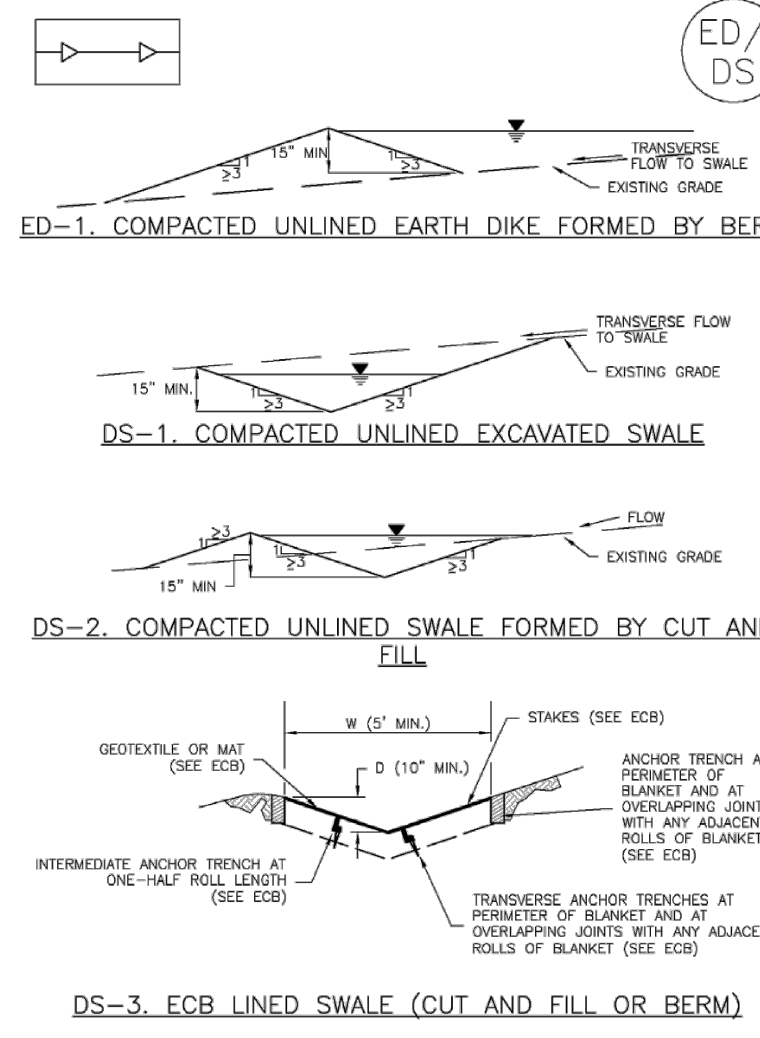
SILT FENCE MAINTENANCE NOTES

- 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.
- WHERE 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 WHEN DEPTH OF ACCUMULATED SEDIMENT 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. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- 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 ALPINE, NOT AVAILABLE IN AUTOCAD.

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

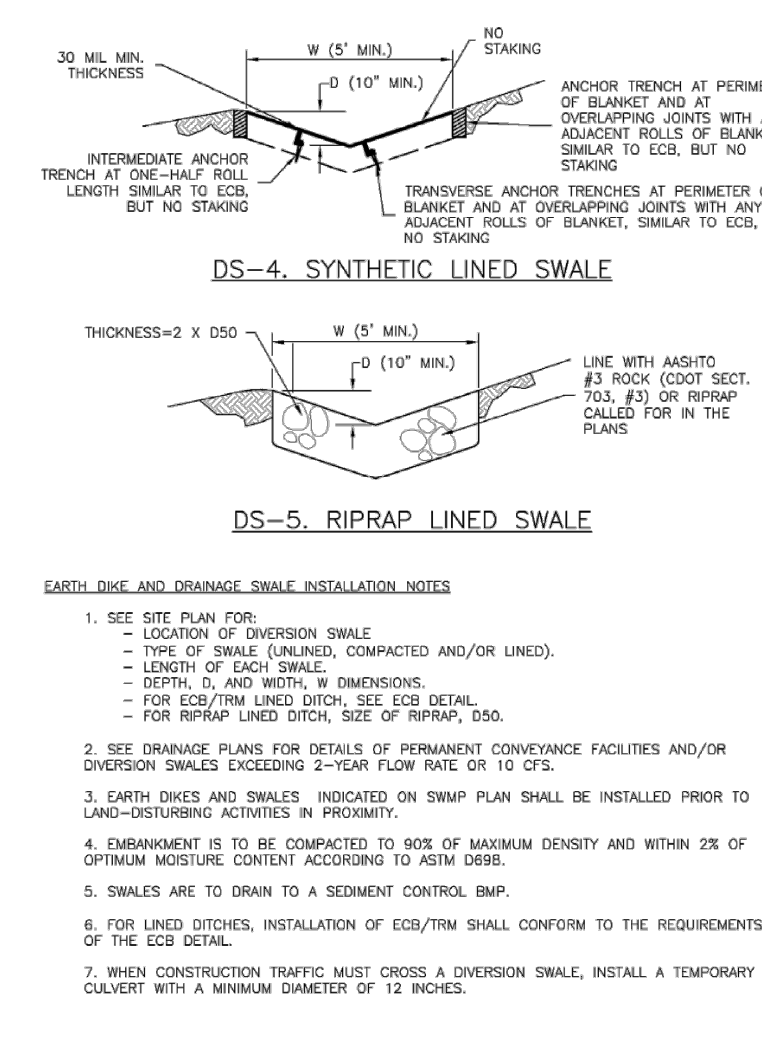
SF-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

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



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 ED/DS-3

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



ED/DS-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

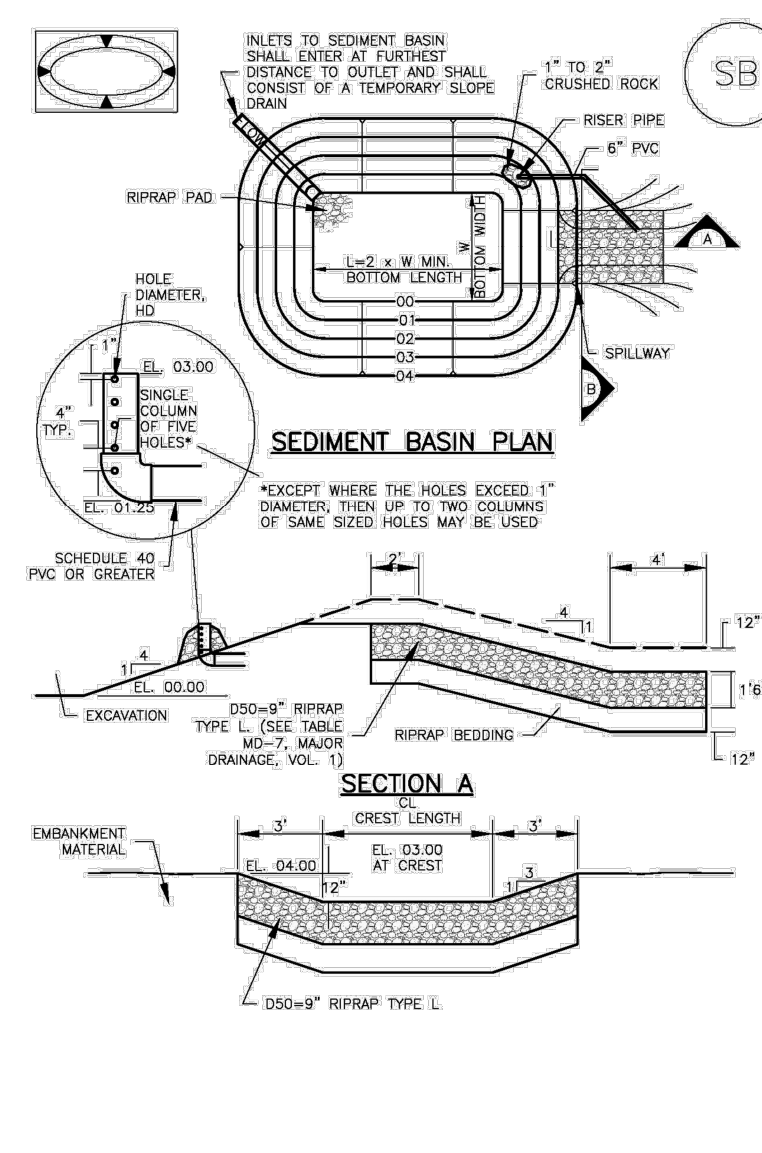
EARTH DIKE AND DRAINAGE SWALE MAINTENANCE NOTES

- 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.
- WHERE 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 DOUGLAS COUNTY, COLORADO AND THE CITY OF COLORADO SPRINGS, COLORADO, NOT AVAILABLE IN AUTOCAD.

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

ED/DS-5 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Sediment Basin (SB) SC-7



August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SB-5

SC-7 Sediment Basin (SB)

TABLE SB-1. SIZING INFORMATION FOR STANDARD SEDIMENT BASIN

| Upstream Drainage Area (Acres) (A _u) | Basin Bottom Width (ft) (W) | Silt/Sand Crest Length (ft) (L) | Flow Depth (ft) (D) |
|--|-----------------------------|---------------------------------|---------------------|
| 1 | 12.5 | 2 | 1.5 |
| 2 | 17.5 | 3 | 1.5 |
| 3 | 23 | 4 | 1.5 |
| 4 | 28 | 5 | 1.5 |
| 5 | 33.5 | 6 | 1.5 |
| 6 | 39 | 7 | 1.5 |
| 7 | 44.5 | 8 | 1.5 |
| 8 | 50 | 9 | 1.5 |
| 9 | 55.5 | 10 | 1.5 |
| 10 | 61 | 11 | 1.5 |
| 11 | 66.5 | 12 | 1.5 |
| 12 | 72 | 13 | 1.5 |
| 13 | 77.5 | 14 | 1.5 |
| 14 | 83 | 15 | 1.5 |
| 15 | 88.5 | 16 | 1.5 |

SEDIMENT BASIN INSTALLATION NOTES

- SEE PLAN VIEW FOR:
 - LOCATION OF SEDIMENT BASIN.
 - TYPE OF BASIN (STANDARD BASIN OR NONSTANDARD BASIN).
 - SEDIMENT BASIN, BOTTOM WITH W, CREST LENGTH CL, AND HOLE DIAMETER.
 - FOR NONSTANDARD BASIN, SEE CONSTRUCTION DRAWINGS FOR DESIGN OF BASIN INCLUDING FLOOR HEIGHT H, NUMBER OF COLUMNS N, HOLE DIAMETER HD, AND PIPE 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 RELIES ON OR BAINS AS A STORMWATER CONTROL.
- EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCK OF CONCRETE GREATER THAN 3" IN SIZE 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 ASTM D1557.
- 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 BASINS THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAINAGE AREAS LARGER THAN 15 ACRES.

SB-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 August 2013

Sediment Basin (SB) SC-7

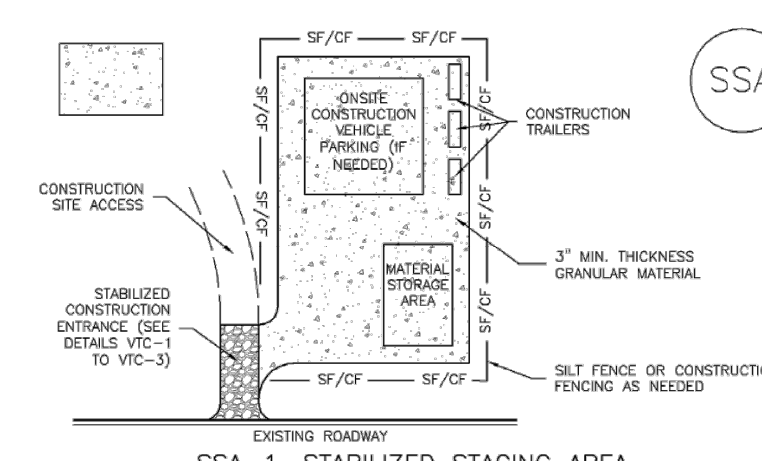
SEDIMENT BASIN MAINTENANCE NOTES

- 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.
- WHERE 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 (1.0) 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 DOUGLAS COUNTY, COLORADO.

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

SB-7 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 August 2013

Stabilized Staging Area (SSA) SM-6



STABILIZED STAGING AREA INSTALLATION NOTES

- SEE PLAN VIEW FOR:
 - LOCATION OF STAGING AREAS.
 - CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.
- STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.
- STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.
- THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.
- UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, #703 #3 COARSE AGGREGATE OR #3 (MUNUS) ROCK.
- ADDITIONAL PERIMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.

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.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- ROCK SHALL BE REAPPLIED OR REGRANDED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SURFACE BECOMES EXPOSED.

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

SM-6 Stabilized Staging Area (SSA)

STABILIZED STAGING AREA MAINTENANCE NOTES

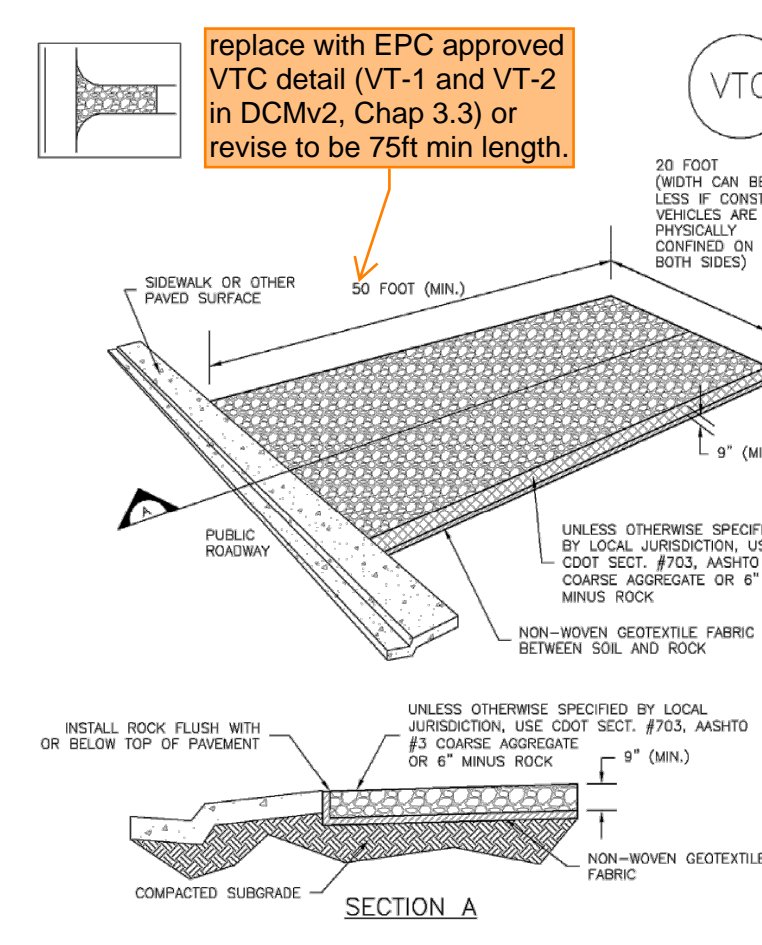
- STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.
- THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REUSED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE, AND THE AREA COVERED WITH TOPSOIL, SEEDS AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.
- NOTE: MANY MUNICIPALITIES PROHIBIT THE USE OF RECYCLED CONCRETE AS GRANULAR MATERIAL FOR STABILIZED STAGING AREAS DUE TO DIFFICULTIES WITH RE-ESTABLISHMENT OF VEGETATION IN AREAS WHERE RECYCLED CONCRETE WAS PLACED.

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

DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD.

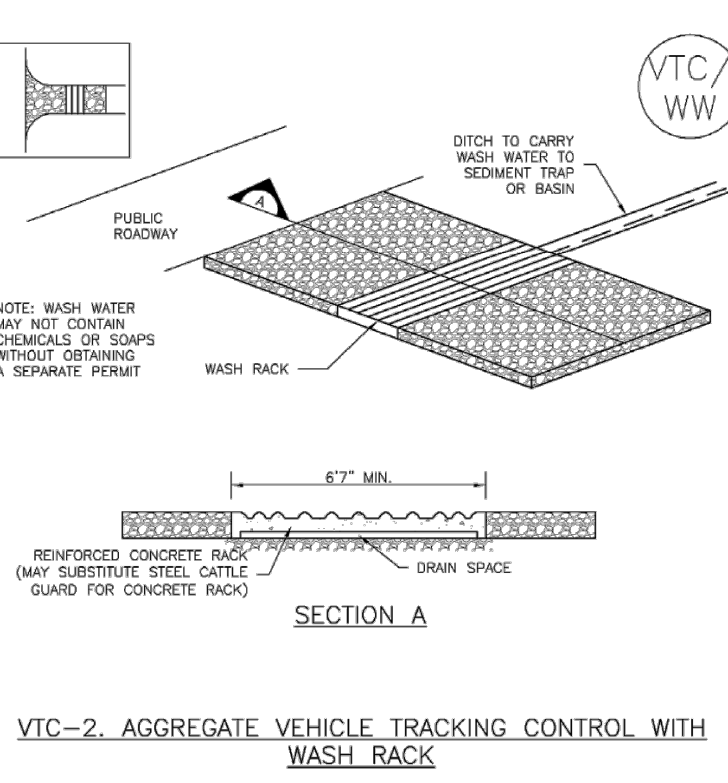
SSA-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Vehicle Tracking Control (VTC) SM-4



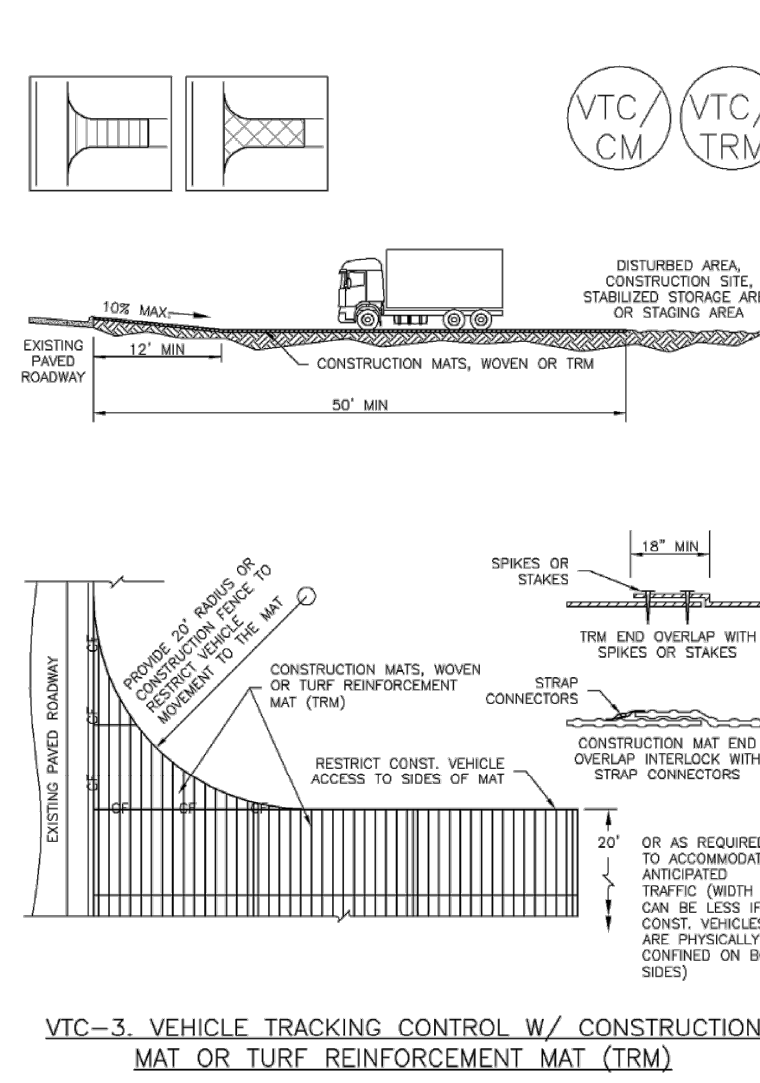
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-3

SM-4 Vehicle Tracking Control (VTC)



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

Vehicle Tracking Control (VTC) SM-4



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-5

SM-4 Vehicle Tracking Control (VTC)

STABILIZED CONSTRUCTION ENTRANCE/EXIT INSTALLATION NOTES

- SEE PLAN VIEW FOR:
 - LOCATION OF CONSTRUCTION ENTRANCES/EXITS.
 - TYPE OF CONSTRUCTION ENTRANCES/EXITS (WITH/WITHOUT WHEEL WASH, CONSTRUCTION MAT OR TRM).
- CONSTRUCTION MAT OR TRM STABILIZED CONSTRUCTION ENTRANCES ARE ONLY TO BE USED ON SHORT DURATION PROJECTS (TYPICALLY RANGING FROM A WEEK TO A MONTH) WHERE THERE WILL BE LIMITED VEHICLE ACCESS.
- A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE LOCATED AT ALL ACCESS POINTS WHERE VEHICLES ACCESS THE CONSTRUCTION SITE FROM PAVED RIGHT-OF-WAYS.
- STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- A NON-WOVEN GEOTEXTILE FABRIC SHALL BE PLACED UNDER THE STABILIZED CONSTRUCTION ENTRANCE/EXIT PRIOR TO THE PLACEMENT OF ROCK.
- UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, #703 #3 COARSE AGGREGATE OR #3 (MUNUS) ROCK.

STABILIZED CONSTRUCTION ENTRANCE/EXIT MAINTENANCE NOTES

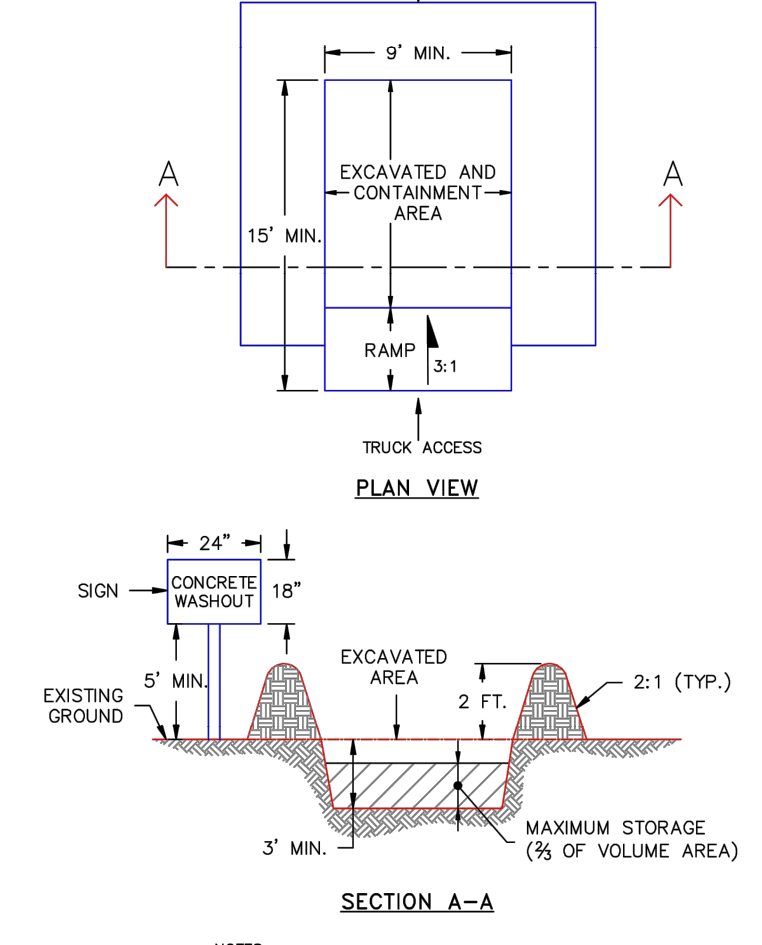
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- ROCK SHALL BE REAPPLIED OR REGRANDED AS NECESSARY TO THE STABILIZED ENTRANCE/EXIT TO MAINTAIN A CONSISTENT GORGE.
- SEDIMENT TRACKED ON PAVED ROADS IS TO BE REMOVED THROUGHOUT THE DAY AND AT THE END OF THE DAY BY SHOULDER OR SWEEPING. SEDIMENT MAY NOT BE WASHED DOWN STORM SEWER DRAINS.

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

DETAILS ADAPTED FROM CITY OF BROOMFIELD, COLORADO, NOT AVAILABLE IN AUTOCAD.

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

SM-4 Vehicle Tracking Control (VTC)



DATE APPROVED: 1/1/08
 APPROVED BY: John A. McCarty
 DEPARTMENT OF TRANSPORTATION
 REVIEW DATE: 7/17/07
 PROJECT NO.: SD_3-84
 SHEET: 5 OF 5

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

DATE: _____
 PREPARED BY: _____

REVISION DESCRIPTION

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

PREPARED UNDER THE DIRECT SUPERVISION OF
PRELIMINARY NOT FOR CONSTRUCTION

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
 DRAWING NAME GEC2-5 Botch.dwg
 SHEET 5 OF 5
 GEC5