EL PASO COUNTY GRADING AND EROSION CONTROL PLAN

BUC-EE'S

Buc-ee's #87

INTERSTATE HIGHWAY 25 AND PALMER DIVIDE RD MONUMENT, CO 80118

EPC STORMWATER REVIEW COMMENTS IN ORANGE BOXES WITH BLACK TEXT

BASIS OF BEARINGS:

BEARINGS ARE BASED ON THE WEST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 2, BEARING NORTH 00°29'49" WEST, A DISTANCE OF 2767.08 FEET, AS MONUMENTED AT THE WEST QUARTER CORNER BY A RECOVERED NO. 6 REBAR WITH 2.5" ALUMINUM CAP, STAMPED "PLS 10945", 0.4' ABOVE GRADE, AND AT THE NORTHWEST CORNER BY A RECOVERED NO. 6 REBAR WITH 3.25" ALUMINUM CAP STAMPED, "LS 17496", IN MONUMENT BOX.

AS SURVEYED LEGAL DESCRIPTION:

A PARCEL OF LAND BEING A PORTION OF THAT PROPERTY DESCRIBED IN QUIT CLAIM DEED RECORDED AT BOOK 5501, PAGE 684 AND A PORTION OF THAT PROPERTY DESCRIBED IN SPECIAL WARRANTY DEED RECORDED AT RECEPTION NO. 222106819, IN THE EL PASO COUNTY OFFICE OF THE CLERK AND RECORDER, SITUATED IN THE NORTHWEST QUARTER OF SECTION 2, TOWNSHIP 11 SOUTH, RANGE 67 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 2;

THENCE SOUTH 67°25'57" EAST, A DISTANCE OF 95.37 FEET TO THE INTERIOR SOUTHEAST CORNER OF THE PARCEL DESCRIBED IN SPECIAL WARRANTY DEED RECORDED AT RECEPTION NO. 222083003 IN SAID RECORDS AND THE POINT OF BEGINNING;

THENCE COINCIDENT WITH THE SOUTH LINE OF LAST SAID SPECIAL WARRANTY DEED SOUTH 88°38'48" EAST, A DISTANCE OF 307.26 FEET;

THENCE SOUTH 00°18'01" EAST, A DISTANCE OF 545.91 FEET;

THENCE NORTH 89°38'22" EAST, A DISTANCE OF 405.07 FEET TO THE WESTERLY RIGHT-OF-WAY OF INTERSTATE-25;

THENCE COINCIDENT WITH SAID WESTERLY RIGHT-OF-WAY LINE THE FOLLOWING TWO (2) COURSES;

1) SOUTH 04°18'32" EAST, A DISTANCE OF 429.82 FEET;

2) SOUTH 07°01'30" WEST, A DISTANCE OF 1247.08 FEET;

THENCE NORTH 89°51'03" WEST, A DISTANCE OF 224.17 FEET TO THE EAST LINE OF THE TOWN OF MONUMENT BEACON LITE WATER TANK SUBDIVISION EXEMPTION;

THENCE COINCIDENT WITH THE EAST AND NORTH LINES OF SAID TOWN OF MONUMENT BEACON LITE WATER TANK SUBDIVISION EXEMPTION THE FOLLOWING TWO (2) COURSES:

1) NORTH 00°29'49" WEST, A DISTANCE OF 157.25 FEET;

2) SOUTH 89°30'11" WEST, A DISTANCE OF 409.20 FEET TO THE EAST RIGHT-OF-WAY LINE OF BEACON LITE ROAD AS DESCRIBED IN BOOK 571, PAGE 55 IN SAID RECORDS;

THENCE COINCIDENT WITH SAID EAST RIGHT-OF-WAY LINE, NORTH 00°29'49" WEST, A DISTANCE OF 1176.84 FEET TO THE SOUTHWEST CORNER OF THE PARCEL DESCRIBED IN THE SPECIAL WARRANTY DEED RECORDED AT RECEPTION NO. 224092706 IN SAID RECORDS;

THENCE COINCIDENT WITH THE SOUTH AND EAST LINES OF LAST SAID SPECIAL WARRANTY DEED AND THE EAST LINE OF SAID PARCEL OF LAND DESCRIBED IN RECEPTION NO. 222083003 THE FOLLOWING FIVE (5) COURSES:

1) NORTH 89°51'22" EAST, A DISTANCE OF 5.91;

2) NORTH 00°08'39" WEST, A DISTANCE OF 486.79 FEET;

3) NORTH 04°08'13" EAST, A DISTANCE OF 160.73 FEET;

4) NORTH 00°08'41" WEST, A DISTANCE OF 203.28 FEET;

5) NORTH 44°02'37" EAST, A DISTANCE OF 49.33 FEET TO THE POINT OF BEGINNING.

PARCEL CONTAINS 1,343,044 SQUARE FEET OR 30.8320 ACRES, MORE OR LESS.

BENCHMARK INFORMATION:

BASIS OF ELEVATIONS: ELEVATIONS ARE BASED UPON COLORADO DEPARTMENT OF TRANSPORTATION BENCHMARK NO. V395 (KK1315) BEING A STAINLESS STEEL ROD IN MONUMENT BOX (ELEVATION = 7346.61' NAVD 88)

JURISDICTIONAL UTILITY CONTACTS

SANITATION:
MONUMENT SANITATION DISTRICT
130 2ND STREET
MONUMENT, CO 80132
PHONE: (719) 481-4886
CONTACT: MARK PARKER

ELECTRICITY PROVIDER:
MOUNTAIN VIEW ELECTRIC ASSOCIATION
15706 JACKSON CREEK PKWY, SUITE 100
MONUMENT, CO 80132
PHONE: (719) 494-2607
CONTACT: KELE KAONO

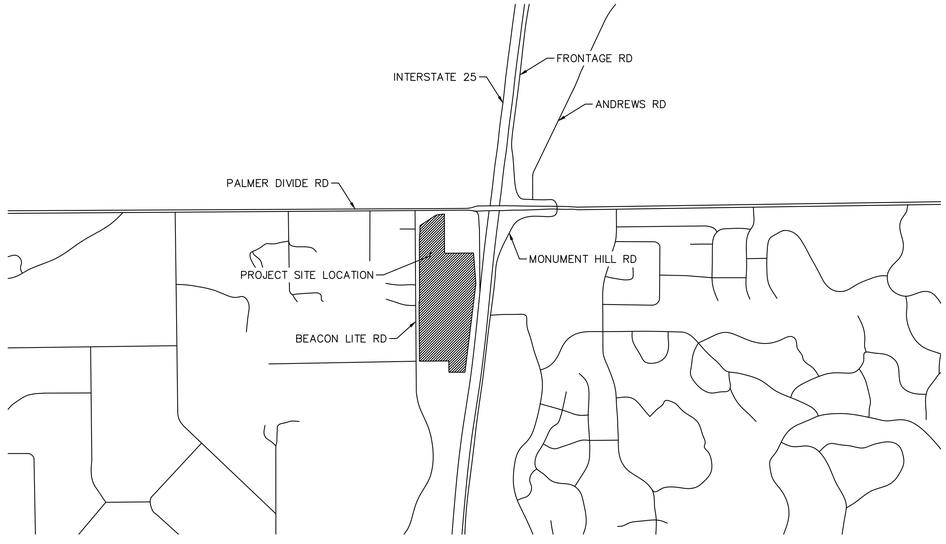
PROJECT DESIGN TEAM

CIVIL ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC.
6200 SOUTH SYRACUSE WAY, SUITE 300
GREENWOOD VILLAGE, CO 80111
PHONE: (303) 228-2300
CONTACT: KYLE WATSON, P.E.

SURVEY:
KIMLEY-HORN & ASSOCIATES, INC.
GREENWOOD VILLAGE, CO 80111
PHONE: (720) 739-3134
CONTACT: DARREN WOLTERSTORFF, P.L.S.

OWNER/DEVELOPER:
BUC-EE'S, LTD
2500 NORTH HWY 228
ANGLETON, TX, 77515
PHONE: (979) 529-2704
CONTACT: SCOTT RATCLIFF, P.E.

ARCHITECT:
LA ARCHITECTS
7800 WASHINGTON AVE, SUITE 600
HOUSTON, TX 77007
PHONE: (713) 600-3600
CONTACT: LUZ DENIZZE, AIA



VICINITY MAP
1" = 1000'

NORTH

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DESIGN 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.

KYLE WATSON, P.E. #0055720 — DATE

OWNER/ DEVELOPER'S STATEMENT:

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

SCOTT RAY, OWNER/ DEVELOPER — DATE
[BUSINESS NAME]
[ADDRESS]

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

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 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 DIRECTORS DISCRETION.

JOSHUA J PALMER, P.E. — DATE
COUNTY ENGINEER/ ECM ADMINISTRATOR

PPR26-28

Know what's below. Call before you dig.

No.	REVISIONS	DATE	BY

Kimley»Horn

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6200 SOUTH SYRACUSE WAY, SUITE 300
GREENWOOD VILLAGE, COLORADO 80111
PHONE: (303) 228-2300

KHA PROJECT 196094001
DATE 9/17/2026
SCALE AS SHOWN
DESIGNED BY MMR
DRAWN BY ECM
CHECKED BY KEW

COVER SHEET

GRADING AND EROSION CONTROL PLAN
EL PASO COUNTY

PREPARED FOR
BUC-EE'S, LTD.

COLORADO

COUNTY OF EL PASO

SHEET NUMBER
1

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

EL PASO COUNTY STANDARD NOTES

1. ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
3. CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:
   A. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
   B. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
   C. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
   D. CDOT M & S STANDARDS
4. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
5. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER' RESPONSIBILITY TO RECTIFY.
6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (PCD) – INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
8. CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
10. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
12. SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS.OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA. [IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]
14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
15. THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.
16. EL PASO COUNTY DOES NOT OWN AND IS NOT RESPONSIBLE FOR THE UNDERDRAINS OR GROUNDWATER. DISCHARGE SYSTEMS SHOWN ON THESE PLANS AND ASSUMES NO LIABILITY FOR WATER RIGHTS ADMINISTRATION BY APPROVING THESE PLANS. MAINTENANCE AND WATER RIGHTS ARE THE RESPONSIBILITY OF THE DEVELOPER.

EL PASO COUNTY GRADING AND EROSION CONTROL NOTES

1. 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 (EPC) STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE (LDC), THE ENGINEERING CRITERIA MANUAL (ECM), THE DRAINAGE CRITERIA MANUAL (DCM) VOLUME 1 AND 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
2. A PRECONSTRUCTION MEETING BETWEEN THE PERMIT HOLDER(S) AND EL PASO COUNTY SHALL BE HELD PRIOR TO ANY CONSTRUCTION ACTIVITIES. IT IS THE RESPONSIBILITY OF THE PERMIT HOLDER(S) TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF. NO LAND DISTURBANCE OR CONSTRUCTION ACTIVITIES BEYOND THE INSTALLATION OF THE INITIAL CONSTRUCTION CONTROL MEASURES (CCMS), AS INDICATED ON THE APPROVED GEC PLAN OR CDS WITH GEC PLANS, MAY OCCUR PRIOR TO RECEIVING A NOTICE TO PROCEED (NTP) ISSUED BY THE ECM ADMINISTRATOR. FAILURE TO OBTAIN A NOTICE TO PROCEED PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES MAY RESULT IN AN IMMEDIATE STOP WORK ORDER (SWO).
3. CONSTRUCTION CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. STORMWATER RUNOFF FROM ALL DISTURBED AREAS AND SOIL STORAGE AREAS MUST UTILIZE OR FLOW TO ONE OR MORE CCM(S) TO MINIMIZE EROSION OR SEDIMENT IN THE DISCHARGE. THE CCM(S) MUST CONTAIN OR FILTER FLOWS IN ORDER TO PREVENT THE BYPASS OF FLOWS WITHOUT TREATMENT AND MUST BE APPROPRIATE FOR STORMWATER RUNOFF FROM DISTURBED AREAS AND FOR THE EXPECTED FLOW RATE, DURATION, AND FLOW CONDITIONS (E.G., SHEET OR CONCENTRATED FLOW).
4. ALL CCMS SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL FINAL STABILIZATION IS ACHIEVED. THE QUALIFIED STORMWATER MANAGER (QSM) SHALL ASSESS THE ADEQUACY OF CCMS AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CCMS ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CCMS.
5. PRIOR TO CONSTRUCTION THE PERMIT HOLDER(S) SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
6. MANAGEMENT OF THE STORMWATER MANAGEMENT PLAN (SWMP) DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QSM. THE SWMP SHALL BE LOCATED ON-SITE OR DIGITALLY ACCESSIBLE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES AND MUST BE IMPLEMENTED AS WRITTEN FROM THE START OF CONSTRUCTION ACTIVITY UNTIL FINAL STABILIZATION IS ACHIEVED. THE QSM SHALL AMEND THE SWMP WHEN THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE OF THE SITE WHICH WOULD REQUIRE THE IMPLEMENTATION OF NEW OR REVISED CCMS OR IF THE SWMP PROVES TO BE INEFFECTIVE IN CONTROLLING POLLUTANTS IN STORMWATER RUNOFF ASSOCIATED WITH CONSTRUCTION ACTIVITY OR WHEN CCMS ARE NO LONGER NECESSARY AND ARE REMOVED. THE QSM SHALL MAINTAIN A RECORD OF AMENDMENTS MADE TO THE SWMP THAT INCLUDES THE DATE AND IDENTIFICATION OF THE CHANGES.
7. EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A RECEIVING WATER UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED. IN ADDITION TO MAINTAINING 50 HORIZONTAL FEET OF PRE-EXISTING VEGETATION UPGRADIENT OF A RECEIVING WATER (UNLESS INFEASIBLE AND APPROVED), THE PERMIT HOLDER(S) MUST INSTALL CCMS UPGRADIENT OF THE VEGETATIVE BUFFER.
8. TEMPORARY STABILIZATION MEASURES SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
9. EROSION CONTROL BLANKET (ECB) OR OTHER APPROVED CONTROL MEASURE(S) SHALL BE USED ON SLOPES STEEPER THAN 3:1.
10. VEHICLE TRACKING CONTROLS (VTC) MUST BE IMPLEMENTED TO MINIMIZE VEHICLE TRACKING OF SEDIMENT FROM DISTURBED AREAS. VTCS MUST INCLUDE A STRUCTURE CONTROL MEASURE (E.G., TRACKING PAD) AND MAY INCLUDE A NON-STRUCTURAL CONTROL MEASURE (E.G., SWEEPING). MATERIAL TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
11. ANY TEMPORARY OR PERMANENT CONTROL MEASURE 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.
12. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER, PERMANENT CONTROL MEASURES (PCMS), OR DITCHES EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
13. ALL PCMS SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT AFFECT THE DESIGN OR FUNCTION OF PCMS MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
14. SOIL COMPACTION MUST BE MINIMIZED IN AREAS WHERE INFILTRATION PCMS WILL BE INSTALLED OR IN AREAS WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION PCMS SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF SOIL COMPACTION DOES OCCUR IN AREAS WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER OR IN AREAS WHERE INFILTRATION PCMS WILL BE INSTALLED, DECOMPACTION OF THE SOIL MUST BE COMPLETED PRIOR TO PLANTING OR INSTALLATION OF THE PCM(S). AN INFILTRATION TEST MUST BE CONDUCTED FOR ALL INFILTRATION PCMS AND THE INFILTRATION TEST RESULTS SUBMITTED TO EL PASO COUNTY PRIOR TO PRELIMINARY ACCEPTANCE (PA).
15. FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND PERMANENT STABILIZATION METHODS ARE COMPLETE. WHEN USING VEGETATIVE COVER AS A PERMANENT STABILIZATION METHOD, THE VEGETATION SHALL BE EVENLY DISTRIBUTED PERENNIAL VEGETATION AND OF THE VARIETY AND SPECIES FOUND IN THE COUNTY-APPROVED SEED MIXES OR IN THE APPROVED GEC PLAN. VEGETATION COVERAGE SHALL BE, AT A MINIMUM, EQUAL TO 70% OF WHAT WOULD HAVE BEEN PROVIDED BY NATIVE VEGETATION IN A LOCAL, UNDISTURBED AREA OR ADEQUATE REFERENCE SITE. ALL TEMPORARY CCMS SHALL BE REMOVED UPON FINAL STABILIZATION AND PRIOR TO STORMWATER PERMIT TERMINATION.
16. 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.
17. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO BE DISCHARGED OFFSITE OR TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR CONTROL MEASURES. CONCRETE WASHOUT AREAS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK, OR STREAM.
18. DURING CONSTRUCTION DEWATERING OPERATIONS, UNCONTAMINATED GROUNDWATER MAY BE DISCHARGED ON-SITEIN ACCORDANCE WITH THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT'S (CDPHE) LOW RISK DISCHARGE GUIDANCE POLICY FOR DISCHARGES OF UNCONTAMINATED GROUNDWATER TO LAND. IF CONSTRUCTION DEWATERING OPERATIONS ARE UNABLE TO MEET ALL CRITERIA, CONDITIONS, AND CONTROL MEASURE REQUIREMENTS OF THE LOW RISK DISCHARGE GUIDANCE POLICY, A COLORADO DISCHARGE PERMIT SYSTEM (CDPS) GENERAL PERMIT COG080000 WILL BE REQUIRED.
19. 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.
20. THE PERMIT HOLDER(S) 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.
21. 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.
22. 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. APPROPRIATE CMS SHALL BE UTILIZED BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
23. BULK STORAGE (I.E., INDIVIDUAL CONTAINERS OF 55 GALLONS OR GREATER) OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT, OR EQUIVALENT PROTECTION, TO CONTAIN ALL SPILLS ON-SITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM, OR OTHER FACILITIES.
24. NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ON-SITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
25. ON AREAS OF EXPOSED SOIL, MINIMIZE DUST THROUGH THE APPROPRIATE APPLICATION OF WATER OR OTHER DUST SUPPRESSION TECHNIQUES. WATER APPLICATION MUST BE CONDUCTED IN A MANNER TO PREVENT DISCHARGE OFFSITE UNLESS AUTHORIZED BY A CDPS OR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT.
26. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
27. FOR SITES WHERE A SOILS REPORT IS REQUIRED, THE APPROVED SOILS REPORT FOR THIS SITE SHALL BE CONSIDERED A PART OF THESE PLANS.
28. PERMIT HOLDER(S) AND THEIR AGENTS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUME 2, AND ENGINEERING CRITERIA MANUAL. ALL APPLICABLE LOCAL, STATE, AND FEDERAL PERMITS MUST BE OBTAINED PRIOR TO CONSTRUCTION. IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
29. AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE OR LESS THAN 1 ACRE AND PART OF A LARGER COMMON PLAN OF DEVELOPMENT OR SALE THAT WOULD DISTURB 1 OR MORE ACRES, THE PERMIT HOLDER(S) SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE (COR400000 PERMIT) TO THE CDPHE WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A SWMP, OF WHICH THIS GEC 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.

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GREENWOOD VILLAGE, COLORADO 80111
PHONE: (303) 228-2300

KHA PROJECT	196094001
DATE	9/17/2026
SCALE	AS SHOWN
DESIGNED BY	MMR
DRAWN BY	ECM
CHECKED BY	KEW

GEC NOTES

GRADING AND EROSION CONTROL PLAN

EL PASO COUNTY

PREPARED FOR
BUC-EE'S, LTD.

COUNTY OF EL PASO COLORADO

SHEET NUMBER
2

Provifde min diversion swale dimensions - typical comment

DOUGLAS COUNTY
PARCEL #277134000040

DOUGLAS COUNTY
PARCEL 277135000059

SILT FENCE SHOWN OFFSET FOR CLARITY. CONTRACTOR TO INSTALL SILT FENCE AT OR WITHIN LIMITS OF DISTURBANCE (TYP.)

R.O.W. LINE

DOUGLAS COUNTY
PARCEL 2771353990001
OWNER: CDOT

PALMER DIVIDE RD

R.O.W. LINE

SOUTH LINE OF EXISTING CONSERVATION EASEMENT

PROPERTY LINE

Show updated stockpile limits

EXISTING 24" CULVERT

PROPERTY LINE

EDGE OF VEGETATION (TYP.)

PROVIDE CHECK DAM SPACING PER MHFD VOL. 3 DETAIL

PARCEL # 7103000036
LAND USE: EXEMPT RESIDENTIAL LAND-RELIGIOUS
ZONING: RESIDENTIAL RURAL (RR-5)

BEACON LITE RD

This total tributary area is not within the typical detail range and as such this TSB will require custom sizing. All dimensions and riser pipe details will need to be custom.

RISER PIPE
SCHEDULE 40 PVC OR GREATER RISER PIPE (PER MHFD SEDIMENT BASIN DETAIL)
PIPE DIA. = 6"
HOLE DIA. = 1-1/4"
3 COLUMNS OF 5 HOLES
4" VERTICAL SEPARATION

SEDIMENT BASIN SPILLWAY

PARCEL NUMBER: 7102200014

INTERSTATE 25

Show culvert, it is not clear what this BMP is protecting

EXISTING R.O.W.

SEDIMENT BASIN ID: SB-1
TRIBUTARY AREA: 7.3 AC
UNDISTURBED TRIBUTARY AREA: 14.3 AC
VOL REQ: 0.62 AC-FT
VOL PROV: 0.71 AC-FT
TOP OF BASIN: 7351'
SPILLWAY: 7350'
BOTTOM OF BASIN: 7346'

PARCEL NUMBER: 7102200016
FLOOD ZONE X

EXISTING 18" CULVERT

PARCEL # 7103000038
LAND USE: SINGLE FAMILY RESIDENTIAL
ZONING: RESIDENTIAL RURAL (RR-5)

EL PASO COUNTY TEMPORARY CONSTRUCTION EASEMENT FOR BEACON LITE ROAD, SEE RIGHT OF WAY PLANS FOR BEACON LITE ROAD IMPROVEMENTS, EPC #128558

PROPERTY LINE

LIMITS OF BEACON LITE ROAD STOCKPILE GEC (EDARP FILE NO.: CDR261)
add line type to the legend

Show culvert, it is not clear what this BMP is protecting

SEDIMENT BASIN ID: SB-2
TRIBUTARY AREA: 26.8 AC
UNDISTURBED TRIBUTARY AREA: 7.15 AC
VOL REQ: 1.74 AC-FT
VOL PROV: 1.76 AC-FT
TOP OF BASIN: 7330'
SPILLWAY: 7329'
BOTTOM OF BASIN: 7324'

show how this SB will tie into existing contours

SEDIMENT BASIN SPILLWAY

RISER PIPE
SCHEDULE 40 PVC OR GREATER
RISER PIPE (PER MHFD
SEDIMENT BASIN DETAIL)
PIPE DIA. = 6"
HOLE DIA. = 1-1/2"
2 COLUMNS OF 5 HOLES
4" VERTICAL SEPARATION

EXISTING SWALE 2

EXISTING 42" CULVERT

PARCEL # 7103000039
LAND USE: SINGLE FAMILY RESIDENTIAL
ZONING: RESIDENTIAL RURAL (RR-5)

LEGEND

- PROPERTY LINE
- R.O.W. LINE
- XXXX EXISTING MAJOR CONTOUR
- XXXX EXISTING MINOR CONTOUR
- XXXX PROPOSED MAJOR CONTOUR
- XXXX PROPOSED MINOR CONTOUR
- EXISTING SLOPE
- PROPOSED SLOPE
- (SF) SILT FENCE
- (LOD) LIMITS OF DISTURBANCE
- (SB) SEDIMENT BASIN
- (DD) DIVERSION DITCH
- (SP) STOCK PILE
- (SSA) STABILIZED STAGING AREA
- (CWA) CONCRETE WASH OUT AREA
- (VTC) VEHICLE TRACKING CONTROL
- (OP) OUTFALL PROTECTION
- (CD) CHECK DAM
- (CIP) CULVERT INLET PROTECTION

NOTE:

THIS SITE HAS A GEC PERMIT (EDARP FILE NO.: CDR261) THAT MAY BE ACTIVE AT TIME OF CONSTRUCTION. CONTRACTOR TO COORDINATE RELEASE OF EXISTING PERMIT AND ANY STOCKPILE MATERIALS WITH EL PASO COUNTY PRIOR TO COMMENCEMENT OF THIS EROSION CONTROL PLAN.

GEC Checklist Item K - show existing vegetation or provide note describe existing vegetative cover. Typical comment.

GRAPHIC SCALE IN FEET
0 30 60 120

NORTH

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GREENWOOD VILLAGE, COLORADO 80111
PHONE: (303) 228-2300

KHA PROJECT 196094001
DATE 9/11/2026
SCALE AS SHOWN
DESIGNED BY MMR
DRAWN BY ECM
CHECKED BY KEW

INITIAL EROSION CONTROL PLAN - NORTH
GRADING AND EROSION CONTROL PLAN
EL PASO COUNTY

PREPARED FOR
BUC-EE'S, LTD.

COUNTY OF EL PASO COLORADO

SHEET NUMBER
3

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EXISTING 42" CULVERT

SB will need to account for additional flows from stream and swale in this location

EXISTING CHANNEL 1
(R4SBC - SEASONALLY FLOODED STREAM)

PROPERTY LINE

RISER PIPE
SCHEDULE 40 PVC OR GREATER
RISER PIPE (PER MHFD SEDIMENT BASIN DETAIL)
PIPE DIA. = 6"
HOLE DIA. = 1-1/2"
2 COLUMNS OF 5 HOLES
4" VERTICAL SEPARATION

remove, called out on previous sheet

PROPERTY LINE

BEACON LITE RD

PARCEL #7103001063
LAND USE: SINGLE FAMILY RESIDENTIAL
ZONING: RESIDENTIAL RURAL RR-5

EXISTING SWALE 1

EL PASO COUNTY TEMPORARY CONSTRUCTION EASEMENT FOR BEACON LITE ROAD, SEE RIGHT OF WAY PLANS FOR BEACON LITE ROAD IMPROVEMENTS, EPC #128558

PARCEL NUMBER: 7102200016
FLOOD ZONE X

PROVIDE CHECK DAM SPACING PER MHFD VOL. 3 DETAIL

PARCEL #7103001062
LAND USE: SINGLE FAMILY RESIDENTIAL
ZONING: RESIDENTIAL RURAL RR-5

EXISTING 18" CULVERT

WELLS

PARCEL #7103001003
LAND USE: SINGLE FAMILY RESIDENTIAL
ZONING: RESIDENTIAL RURAL RR-5

PROVIDE CHECK DAM SPACING PER MHFD VOL. 3 DETAIL

RISER PIPE
SCHEDULE 40 PVC OR GREATER RISER PIPE (PER MHFD SEDIMENT BASIN DETAIL)
PIPE DIA. = 6"
HOLE DIA. = 1-1/2"
1 COLUMN OF 5 HOLES
4" VERTICAL SEPARATION

SEDIMENT BASIN SPILLWAY

SEDIMENT BASIN ID: SB-3
TRIBUTARY AREA: 4 AC
UNDISTURBED TRIBUTARY AREA: 6.9 AC
VOL REQ: 0.33 AC-FT
VOL PROV: 0.49 AC-FT
TOP OF BASIN: 7349'
SPILLWAY: 7348'
BOTTOM OF BASIN: 7344'

Add a line or note clarifying the total tributary area is these two rows added together

Verify CWA - Beacon Lite ROW does not seem like a feasible location

EXISTING 36" CULVERT

GEC Checklist Item L. If "limits of disturbance" and "construction boundary" are the same, change to "limits of construction/disturbance" or otherwise show as separate line types for each on the legend and figure. Typical comment for legend on all sheets.

Linetype needs to match with plan view

LEGEND

- PROPERTY LINE
- R.O.W. LINE
- XXXX EXISTING MAJOR CONTOUR
- XXXX EXISTING MINOR CONTOUR
- XXXX PROPOSED MAJOR CONTOUR
- XXXX PROPOSED MINOR CONTOUR
- EXISTING SLOPE
- PROPOSED SLOPE
- (SF) SILT FENCE
- (LOD) LIMITS OF DISTURBANCE
- (SB) SEDIMENT BASIN
- (DD) DIVERSION DITCH
- (SP) STOCK PILE
- (SSA) STABILIZED STAGING AREA
- (CWA) CONCRETE WASH OUT AREA
- (VTC) VEHICLE TRACKING CONTROL
- (OP) OUTFALL PROTECTION
- (CD) CHECK DAM
- (CIP) CULVERT INLET PROTECTION

NOTE:

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GRAPHIC SCALE IN FEET
0 30 60 120

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PHONE: (303) 228-2300

KHA PROJECT 196094001
DATE 9/11/2026
SCALE AS SHOWN
DESIGNED BY MMR
DRAWN BY ECM
CHECKED BY KEW

INITIAL EROSION CONTROL PLAN - SOUTH
GRADING AND EROSION CONTROL PLAN
EL PASO COUNTY

PREPARED FOR
BUC-EE'S, LTD.

COUNTY OF EL PASO COLORADO

SHEET NUMBER
4

adjust limits of disturbance to only show areas covered under this application

show existing and proposed flows

DOUGLAS COUNTY
PARCEL #277134000040

DOUGLAS COUNTY
PARCEL 277135000059

EXISTING CONSERVATION EASEMENT

SOUTH LINE OF EXISTING CONSERVATION EASEMENT

DOUGLAS COUNTY
PARCEL 277135399001
OWNER: CDOT

PALMER DIVIDE RD

PROPERTY LINE

PARCEL # 7103000036
LAND USE: EXEMPT RESIDENTIAL LAND-RELIGIOUS
ZONING: RESIDENTIAL RURAL (RR-5)

EXISTING 24" CULVERT

PROVIDE CHECK DAM SPACING PER MHFD VOL. 3 DETAIL

RISER PIPE
SCHEDULE 40 PVC OR GREATER RISER PIPE (PER MHFD SEDIMENT BASIN DETAIL)
PIPE DIA. = 6"
HOLE DIA. = 1-1/4"
3 COLUMNS OF 5 HOLES
4" VERTICAL SEPARATION

SEDIMENT BASIN SPILLWAY

PROPERTY LINE

PARCEL NUMBER: 7102200014

INTERSTATE 25

Label all slopes that are 3:1 or steeper

BEACON LITE RD

SEDIMENT BASIN ID: SB-1
TRIBUTARY AREA: 7.3 AC
UNDISTURBED TRIBUTARY AREA: 14.3 AC
VOL REQ: 0.62 AC-FT
VOL PROV: 0.71 AC-FT
TOP OF BASIN: 7351'
SPILLWAY: 7350'
BOTTOM OF BASIN: 7346'

what is this line?

PARCEL NUMBER: 7102200016
FLOOD ZONE X

PARCEL # 7103000038
LAND USE: SINGLE FAMILY RESIDENTIAL
ZONING: RESIDENTIAL RURAL (RR-5)

RIGHT-OF-WAY

EL PASO COUNTY TEMPORARY CONSTRUCTION EASEMENT FOR BEACON LITE ROAD, SEE RIGHT OF WAY PLANS FOR BEACON LITE ROAD IMPROVEMENTS, EPC #128558

BEACON LITE RD
COLLECTOR ROADWAY
VARIABLE WIDTH R.O.W

PROPERTY LINE

FUEL CANOPY

use a different line type and call out retaining wall

need diversion ditch to route water around retaining wall to SB

Provide label for diversion ditch

Show culvert

PARCEL # 7103000039
LAND USE: SINGLE FAMILY RESIDENTIAL
ZONING: RESIDENTIAL RURAL (RR-5)

SEDIMENT BASIN ID: SB-2
TRIBUTARY AREA: 26.8 AC
UNDISTURBED TRIBUTARY AREA: 7.15 AC
VOL REQ: 1.74 AC-FT
VOL PROV: 1.76 AC-FT
TOP OF BASIN: 7330'
SPILLWAY: 7329'
BOTTOM OF BASIN: 7324'

SEDIMENT BASIN SPILLWAY

RISER PIPE
SCHEDULE 40 PVC OR GREATER
RISER PIPE (PER MHFD SEDIMENT BASIN DETAIL)
PIPE DIA. = 6"
HOLE DIA. = 1-1/4"
2 COLUMNS OF 5 HOLES
4" VERTICAL SEPARATION

EXISTING 18" CULVERT

EXISTING 42" CULVERT

LEGEND

- PROPERTY LINE
- R.O.W. LINE
- XXXX EXISTING MAJOR CONTOUR
- XXXX EXISTING MINOR CONTOUR
- XXXX PROPOSED MAJOR CONTOUR
- XXXX PROPOSED MINOR CONTOUR
- EXISTING SLOPE
- PROPOSED SLOPE
- (SF) SILT FENCE
- (LOD) LIMITS OF DISTURBANCE
- (SB) SEDIMENT BASIN
- (DD) DIVERSION DITCH
- (SP) STOCK PILE
- (SSA) STABILIZED STAGING AREA
- (WA) CONCRETE WASH OUT AREA
- (VTC) VEHICLE TRACKING CONTROL
- (OP) OUTFALL PROTECTION
- (CD) CHECK DAM
- (CIP) CULVERT INLET PROTECTION

Can different hatching be provided for one of these 2 items?

NOTE:

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GRAPHIC SCALE IN FEET
0 30 60 120

NORTH

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GREENWOOD VILLAGE, COLORADO 80111
PHONE: (303) 228-2300

KHA PROJECT	196094001
DATE	9/17/2026
SCALE	AS SHOWN
DESIGNED BY	MMR
DRAWN BY	ECM
CHECKED BY	KEW

INTERIM EROSION CONTROL PLAN - NORTH
GRADING AND EROSION CONTROL PLAN
EL PASO COUNTY

PREPARED FOR
BUC-EE'S, LTD.

COUNTY OF EL PASO COLORADO

SHEET NUMBER
5

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PARCEL #7103001063
LAND USE: SINGLE FAMILY RESIDENTIAL
ZONING: RESIDENTIAL RURAL RR-5

PARCEL #7103001062
LAND USE: SINGLE FAMILY RESIDENTIAL
ZONING: RESIDENTIAL RURAL RR-5

PARCEL #7103001003
LAND USE: SINGLE FAMILY RESIDENTIAL
ZONING: RESIDENTIAL RURAL RR-5

R.O.W. LINE

BEACON LITE RD

PROPERTY LINE

EL PASO COUNTY TEMPORARY CONSTRUCTION EASEMENT FOR BEACON LITE ROAD, SEE RIGHT OF WAY PLANS FOR BEACON LITE ROAD IMPROVEMENTS, EPC #128558

Provide road slopes at centerline

PROPOSED BEACON LITE ROAD IMPROVEMENTS ASSOCIATED WITH THIS DEVELOPMENT WILL TIE INTO EL PASO COUNTY BEACON LITE ROAD IMPROVEMENTS

Show culvert

EXISTING 18" CULVERT

FUEL CANOPIES

PROPOSED BUC-EE'S BUILDING 74,000 SF

PARCEL NUMBER: 7102200016
FLOOD ZONE X

proposed contours seem off

WELLS

EXISTING 42" CULVERT

need diversion ditch to route water around retaining wall to SB

RISER PIPE
SCHEDULE 40 PVC OR GREATER RISER PIPE (PER MHFD SEDIMENT BASIN DETAIL)
PIPE DIA. = 6"
HOLE DIA. = 1-1/2"
2 COLUMNS OF 5 HOLES
4" VERTICAL SEPARATION

PROVIDE CHECK DAM SPACING PER MHFD VOL. 3 DETAIL
reference sheet 11

PROPERTY LINE

is this part of the diversion ditch?

RISER PIPE
SCHEDULE 40 PVC OR GREATER RISER PIPE (PER MHFD SEDIMENT BASIN DETAIL)
PIPE DIA. = 6"
HOLE DIA. = 1-1/2"
1 COLUMN OF 5 HOLES
4" VERTICAL SEPARATION

SEDIMENT BASIN SPILLWAY

SEDIMENT BASIN ID: SB-3
TRIBUTARY AREA: 4 AC
UNDISTURBED TRIBUTARY AREA: 6.9 AC
VOL REQ: 0.33 AC-FT
VOL PROV: 0.49 AC-FT
TOP OF BASIN: 7349'
SPILLWAY: 7348'
BOTTOM OF BASIN: 7344'

EXISTING 36" CULVERT

LEGEND

- PROPERTY LINE
- R.O.W. LINE
- XXXX EXISTING MAJOR CONTOUR
- XXXX EXISTING MINOR CONTOUR
- XXXX PROPOSED MAJOR CONTOUR
- XXXX PROPOSED MINOR CONTOUR
- EXISTING SLOPE
- PROPOSED SLOPE
- (SF) SILT FENCE
- (LOD) LIMITS OF DISTURBANCE
- (SB) SEDIMENT BASIN
- (DD) DIVERSION DITCH
- (SP) STOCK PILE
- (SSA) STABILIZED STAGING AREA
- (CWA) CONCRETE WASH OUT AREA
- (VTC) VEHICLE TRACKING CONTROL
- (OP) OUTFALL PROTECTION
- (CD) CHECK DAM
- (CIP) CULVERT INLET PROTECTION

NOTE:

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GRAPHIC SCALE IN FEET
0 30 60 120

NORTH

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KHA PROJECT 196094001
DATE 9/17/2026
SCALE AS SHOWN
DESIGNED BY MMR
DRAWN BY ECM
CHECKED BY KEW

INTERIM EROSION CONTROL PLAN - SOUTH
GRADING AND EROSION CONTROL PLAN
EL PASO COUNTY

PREPARED FOR
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COUNTY OF EL PASO COLORADO

SHEET NUMBER
6

SILT FENCE OFFSET FOR CLARITY
CONTRACTOR TO INSTALL SILT FENCE AT OR WITHIN LIMITS OF DISTURBANCE (TYP.)

DOUGLAS COUNTY
PARCEL 2771350000059

SOUTH LINE OF EXISTING CONSERVATION EASEMENT

DOUGLAS COUNTY
PARCEL 2771353990001
OWNER: CDOT

PALMER DIVIDE RD

PROPERTY LINE

EXISTING 24" CULVERT

PARCEL # 7103000036
LAND USE: EXEMPT RESIDENTIAL LAND–RELIGIOUS
ZONING: RESIDENTIAL RURAL (RR–5)

BOTTOM OF POND

TOP OF POND

PARCEL NUMBER: 7102200014

INTERSTATE 25

GEC Checklist Item Y - include all names of proposed PCMs. Typical comment for all three ponds.

PROPOSED DETENTION POND

CONVERT TEMPORARY SEDIMENT BASINS AFTER STABILIZATION IS ACHIEVED

PROPOSED DOWNSTREAM DEFENDER OIL SEPARATOR

PARCEL # 7103000038
LAND USE: SINGLE FAMILY RESIDENTIAL
ZONING: RESIDENTIAL RURAL (RR–5)

PROPERTY LINE

RETAINING WALL END

EXISTING 18" CULVERT

EL PASO COUNTY TEMPORARY CONSTRUCTION EASEMENT FOR BEACON LITE ROAD, SEE RIGHT OF WAY PLANS FOR BEACON LITE ROAD IMPROVEMENTS, EPC #128558

PARCEL NUMBER: 7102200016
FLOOD ZONE X

BEACON LITE RD

PROPERTY LINE

BOTTOM OF POND
TOP OF POND

GEC Checklist Item H - Show proposed pond easements and provide the record number if easements are to be recorded for ponds. The O&M Manual referenced specific easements so they must be shown on the plans or the O&M Manual will need to be updated. Typical comment for all ponds.

GEC Checklist Item D - Include this hatching in the legend.

PARCEL # 7103000039
LAND USE: SINGLE FAMILY RESIDENTIAL
ZONING: RESIDENTIAL RURAL (RR–5)

PROPOSED DETENTION POND

CONVERT TEMPORARY SEDIMENT BASINS AFTER STABILIZATION IS ACHIEVED

EXISTING 42" CULVERT

LEGEND

	PROPERTY LINE
	R.O.W. LINE
XXXX	EXISTING MAJOR CONTOUR
XXXX	EXISTING MINOR CONTOUR
XXXX	PROPOSED MAJOR CONTOUR
XXXX	PROPOSED MINOR CONTOUR
	EXISTING SLOPE
	PROPOSED SLOPE
SF	SILT FENCE
LOD	LIMITS OF DISTURBANCE
VTC	VEHICLE TRACKING CONTROL
OP	OUTFALL PROTECTION
CIP	CULVERT INLET PROTECTION
IP	INLET PROTECTION
PS	PERMANENT SEEDING

GRAPHIC SCALE IN FEET
0 30 60 120

NORTH

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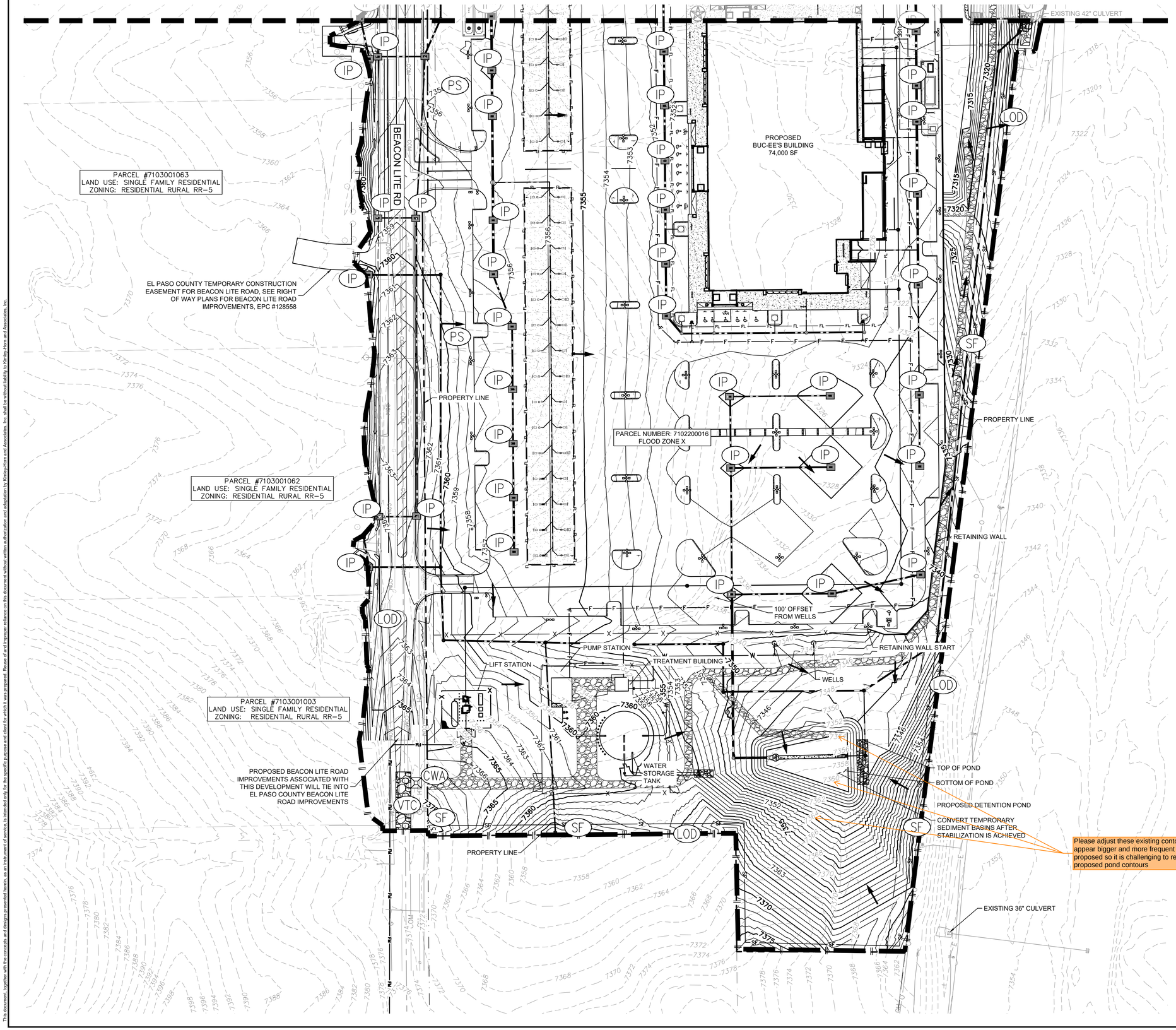
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PHONE: (303) 228-2300

KHA PROJECT 190094001
DATE 9/11/2026
SCALE AS SHOWN
DESIGNED BY MMR
DRAWN BY ECM
CHECKED BY KEW

FINAL EROSION CONTROL PLAN - NORTH
GRADING AND EROSION CONTROL PLAN
EL PASO COUNTY
PREPARED FOR
BUC-EE'S, LTD.
COUNTY OF EL PASO COLORADO

SHEET NUMBER
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LEGEND

- PROPERTY LINE
- R.O.W. LINE
- XXXX EXISTING MAJOR CONTOUR
- XXXX EXISTING MINOR CONTOUR
- XXXX PROPOSED MAJOR CONTOUR
- XXXX PROPOSED MINOR CONTOUR
- EXISTING SLOPE
- PROPOSED SLOPE
- (SF) SILT FENCE
- (LOD) LIMITS OF DISTURBANCE
- (SB) SEDIMENT BASIN
- (DD) DIVERSION DITCH
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- (SSA) STABILIZED STAGING AREA
- (CWA) CONCRETE WASH OUT AREA
- (VTC) VEHICLE TRACKING CONTROL
- (OP) OUTFALL PROTECTION
- (CD) CHECK DAM
- (CIP) CULVERT INLET PROTECTION

NOTE:

THIS SITE HAS A GEC PERMIT (EDARP FILE NO.: CDR261) THAT MAY BE ACTIVE AT TIME OF CONSTRUCTION. CONTRACTOR TO COORDINATE RELEASE OF EXISTING PERMIT AND ANY STOCKPILE MATERIALS WITH EL PASO COUNTY

GRAPHIC SCALE IN FEET
0 30 60 120

NORTH

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No.	REVISIONS	DATE	BY

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KHA PROJECT	196094001
DATE	9/11/2026
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DESIGNED BY	MMR
DRAWN BY	ECM
CHECKED BY	KEW

FINAL EROSION CONTROL PLAN - SOUTH
GRADING AND EROSION CONTROL PLAN
EL PASO COUNTY

PREPARED FOR
BUC-EE'S, LTD.

COUNTY OF EL PASO COLORADO

SHEET NUMBER
8

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DOUGLAS COUNTY
PARCEL #277134000040

DOUGLAS COUNTY
PARCEL 277135000059

DOUGLAS COUNTY
PARCEL 277135399001
OWNER: CDOT

PALMER DIVIDE RD

PROPERTY LINE

PARCEL # 7103000036
LAND USE: EXEMPT RESIDENTIAL LAND-RELIGIOUS
ZONING: RESIDENTIAL RURAL (RR-5)

BEACON LITE RD

PARCEL NUMBER: 7102200014

DETENTION POND

INTERSTATE 25

PARCEL # 7103000038
LAND USE: SINGLE FAMILY RESIDENTIAL
ZONING: RESIDENTIAL RURAL (RR-5)

PARCEL # 7103000039
LAND USE: SINGLE FAMILY RESIDENTIAL
ZONING: RESIDENTIAL RURAL (RR-5)

FRESHWATER FORESTED/
SHRUB WETLAND

DETENTION POND

PARCEL #7103001063
LAND USE: SINGLE FAMILY RESIDENTIAL
ZONING: RESIDENTIAL RURAL RR-5

PROPERTY LINE

PROPERTY LINE

PARCEL #7103001062
LAND USE: SINGLE FAMILY RESIDENTIAL
ZONING: RESIDENTIAL RURAL RR-5

PARCEL #7103001003
LAND USE: SINGLE FAMILY RESIDENTIAL
ZONING: RESIDENTIAL RURAL RR-5

DETENTION POND

PROPERTY LINE

LEGEND

- PROPERTY LINE
- PROPOSED R.O.W
- GRADING LIMITS
- XXXX EXISTING MAJOR CONTOUR
- XXXX EXISTING MINOR CONTOUR
- XXXX PROPOSED MAJOR CONTOUR
- XXXX PROPOSED MINOR CONTOUR
- XXXX% EXISTING SLOPE
- XXXX% PROPOSED SLOPE
- FILL (475,758 CY)
- CUT (116,219 CY)

GRAPHIC SCALE IN FEET
0 60 120 240

NORTH

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

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.
6200 SOUTH SYRACUSE WAY, SUITE 300
GREENWOOD VILLAGE, COLORADO 80111
PHONE: (303) 228-2300

KHA PROJECT 196094001
DATE 9/17/2026
SCALE AS SHOWN
DESIGNED BY MMR
DRAWN BY ECM
CHECKED BY KEW

CUT AND FILL PLAN
GRADING AND EROSION CONTROL PLAN
EL PASO COUNTY

PREPARED FOR
BUC-EE'S, LTD.

COUNTY OF EL PASO COLORADO

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SC-1 Silt Fence (SF)

SILT FENCE INSTALLATION NOTES

1. 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 SEVERAL FEET (2–5 FT) FROM THE TOE OF THE SLOPE TO ALLOW ROOM FOR PONDING AND DEPOSITION.

2. 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.

3. COMPACT ANCHOR TRENCH BY HAND WITH A "JUMPING JACK" OR BY WHEEL ROLLING. COMPACTION SHALL BE SUCH THAT SILT FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND.

4. 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.

5. 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.

6. 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').

7. SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

SILT FENCE MAINTENANCE NOTES

1. 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.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. SEDIMENT ACCUMULATED UPSTREAM OF THE SILT FENCE SHALL BE REMOVED AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 6".

5. REPAIR OR REPLACE SILT FENCE WHEN THERE ARE SIGNS OF WEAR, SUCH AS SAGGING, TEARING, OR COLLAPSE.

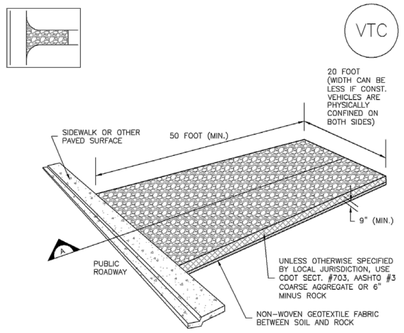
6. SILT FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION, OR IS REPLACED BY AN EQUIVALENT PERIMETER SEDIMENT CONTROL BMP.

7. WHEN SILT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, NOT AVAILABLE IN AUTOCAD)

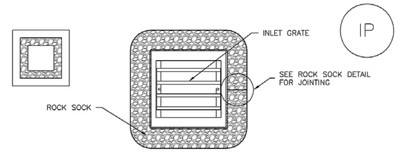
NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

Vehicle Tracking Control (VTC) SM-4



VTC–1. AGGREGATE VEHICLE TRACKING CONTROL

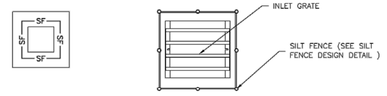
Inlet Protection (IP) SC-6



IP–3. ROCK SOCK SUMP/AREA INLET PROTECTION

ROCK SOCK SUMP/AREA INLET PROTECTION INSTALLATION NOTES
1. SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.

2. STRAW WATTLES/SEDIMENT CONTROL LOGS MAY BE USED IN PLACE OF ROCK SOCKS FOR INLETS IN PERVIOUS AREAS. INSTALL PER SEDIMENT CONTROL LOG DETAIL.



IP–4. SILT FENCE FOR SUMP INLET PROTECTION

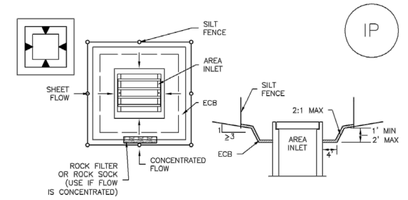
SILT FENCE INLET PROTECTION INSTALLATION NOTES

1. SEE SILT FENCE DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.

2. POSTS SHALL BE PLACED AT EACH CORNER OF THE INLET AND AROUND THE EDGES AT A MAXIMUM SPACING OF 3 FEET.

3. STRAW WATTLES/SEDIMENT CONTROL LOGS MAY BE USED IN PLACE OF SILT FENCE FOR INLETS IN PERVIOUS AREAS. INSTALL PER SEDIMENT CONTROL LOG DETAIL.

SC-6 Inlet Protection (IP)



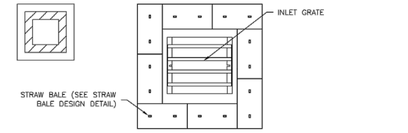
IP–5. OVEREXCAVATION INLET PROTECTION

OVEREXCAVATION INLET PROTECTION INSTALLATION NOTES

1. THIS FORM OF INLET PROTECTION IS PRIMARILY APPLICABLE FOR SITES THAT HAVE NOT YET REACHED FINAL GRADE AND SHOULD BE USED ONLY FOR INLETS WITH A RELATIVELY SMALL CONTRIBUTING DRAINAGE AREA.

2. WHEN USING FOR CONCENTRATED FLOWS, SHAPE BASIN IN 2:1 RATIO WITH LENGTH ORIENTED TOWARDS DIRECTION OF FLOW.

3. SEDIMENT MUST BE PERIODICALLY REMOVED FROM THE OVEREXCAVATED AREA.



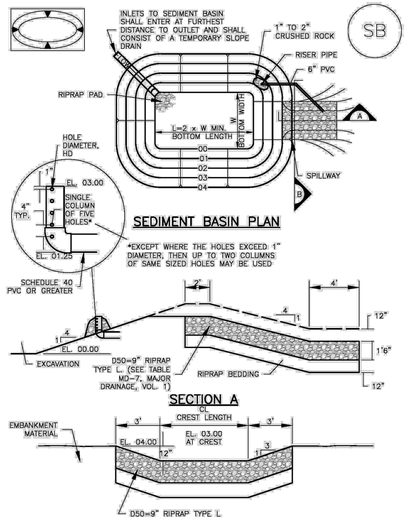
IP–6. STRAW BALE FOR SUMP INLET PROTECTION

STRAW BALE BARRIER INLET PROTECTION INSTALLATION NOTES

1. SEE STRAW BALE DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.

2. BALES SHALL BE PLACED IN A SINGLE ROW AROUND THE INLET WITH ENDS OF BALES TIGHTLY ABUTTING ONE ANOTHER.

Sediment Basin (SB) SC-7



SC-7 Sediment Basin (SB)

Select the row that applies to each TSB

TABLE SB–1. SIZING INFORMATION FOR STANDARD SEDIMENT BASIN

Upstream Drainage Area (rounded to nearest acre), (ac)	Basin Bottom Width (W), (ft)	Spillway Crest Length (CL), (ft)	Hole Diameter (HD), (in)
1	12 ½	2	9/32
2	21	3	13/16
3	28	5	1/2
4	33 ½	6	9/16
5	38 ½	8	23/32
6	43	9	25/32
7	47 ¾	11	27/32
8	51	12	29/32
9	55	13	7/8
10	58 ¾	15	15/16
11	61	16	31/32
12	64	18	1
13	67 ½	19	1 1/16
14	70 ½	21	1 1/8
15	73 ¼	22	1 3/16

SEDIMENT BASIN INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION OF SEDIMENT BASIN.
   –TYPE OF BASIN (STANDARD BASIN OR NONSTANDARD BASIN),
   –FOR STANDARD BASIN, BOTTOM WIDTH W, CREST LENGTH CL, AND HOLE DIAMETER, HD.
   –FOR NONSTANDARD BASIN, SEE CONSTRUCTION DRAWINGS FOR DESIGN OF BASIN INCLUDING RISER HEIGHT H, NUMBER OF COLUMNS N, HOLE DIAMETER HD AND PIPE DIAMETER D.

2. FOR STANDARD BASIN, BOTTOM DIMENSION MAY BE MODIFIED AS LONG AS BOTTOM AREA IS NOT REDUCED.

3. SEDIMENT BASING SHALL BE INSTALLED PRIOR TO ANY OTHER LAND–DISTURBING ACTIVITY THAT RELIES ON ON BASINS AS AS A STORMWATER CONTROL.

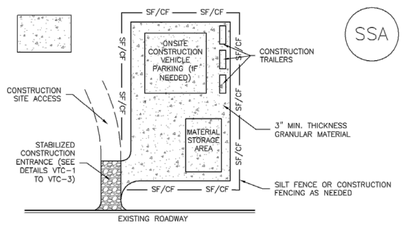
4. EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3 INCHES AND SHALL HAVE A MINIMUM OF 15 PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE.

5. EMBANKMENT MATERIAL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698.

6. PIPE SCH 40 OR GREATER SHALL BE USED.

7. THE DETAILS SHOWN ON THESE SHEETS PERTAIN TO STANDARD SEDIMENT BASIN(S) FOR DRAINAGE AREAS LESS THAN 15 ACRES. SEE CONSTRUCTION DRAWINGS FOR EMBANKMENT, STORAGE VOLUME, SPILLWAY, OUTLET, AND OUTLET PROTECTION DETAILS FOR ANY SEDIMENT BASIN(S) THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAINAGE AREAS LARGER THAN 15 ACRES.

Stabilized Staging Area (SSA) SM-6



SSA–1. STABILIZED STAGING AREA

STABILIZED STAGING AREA INSTALLATION NOTES

1. SEE PLAN VIEW FOR
   –LOCATION OF STAGING AREA(S).
   –CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.

2. STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.

3. STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.

4. THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.

5. UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.

6. ADDITIONAL PERIMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.

STABILIZED STAGING AREA MAINTENANCE NOTES

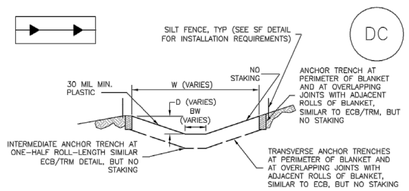
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

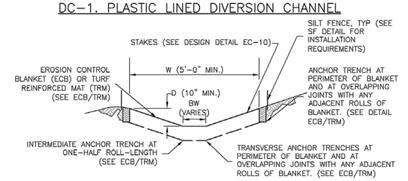
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

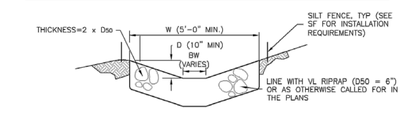
SM-8 Temporary Diversion Methods (TDM)



DC–1. PLASTIC LINED DIVERSION CHANNEL



DC–2. GEOTEXTILE OR MAT LINED DIVERSION CHANNEL



DC–3. RIPRAP LINED DIVERSION CHANNEL

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No.	REVISIONS	DATE	BY

Kimley»Horn
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6200 SOUTH SYRACUSE WAY, SUITE 300
GREENWOOD VILLAGE, COLORADO 80111
PHONE: (303) 228-2300

KHA PROJECT 190094001
DATE 9/17/2026
SCALE AS SHOWN
DESIGNED BY MMR
DRAWN BY ECM
CHECKED BY KEW

EROSION CONTROL DETAILS
GRADING AND EROSION CONTROL PLAN
EL PASO COUNTY
PREPARED FOR
BUC-EE'S, LTD.
COLORADO
COUNTY OF EL PASO

SHEET NUMBER
10

include curb inlet protection and curb sock inlet protection details

EC-2 Temporary and Permanent Seeding (TS/PS)

Table TS/PS-1. Minimum Drill Seeding Rates for Various Temporary Annual Grasses

Species[a] (Common name)	Growth Season[b]	Pounds of Pure Live Seed (PLS)/acre[c]	Planting Depth (inches)
1. Oats	Cool	35 - 50	1 - 2
2. Spring wheat	Cool	25 - 35	1 - 2
3. Spring barley	Cool	25 - 35	1 - 2
4. Annual ryegrass	Cool	10 - 15	½
5. Millet	Warm	3 - 15	½ - ¾
6. Winter wheat	Cool	20–35	1 - 2
7. Winter barley	Cool	20–35	1 - 2
8. Winter rye	Cool	20–35	1 - 2
9. Triticale	Cool	25–40	1 - 2

[a] Successful seeding of annual grass resulting in adequate plant growth will usually produce enough dead-plant residue to provide protection from wind and water erosion for an additional year. This assumes that the cover is not disturbed or mowed closer than 8 inches.

Hydraulic seeding may be substituted for drilling only where slopes are steeper than 3:1 or where access limitations exist. When hydraulic seeding is used, hydraulic mulching should be applied as a separate operation, when practical, to prevent the seeds from being encapsulated in the mulch.

[b] See Table TS/PS-2 for seeding dates. Irrigation, if consistently applied, may extend the use of cool season species during the summer months.

[c] Seeding rates should be doubled if seed is broadcast, or increased by 50 percent if done using a Brillion Drill or by hydraulic seeding.

Neither table provides a specific temp or permanent seed mix. Provide full seed mix details

Temporary and Permanent Seeding (TS/PS) EC-2

Table TS/PS-2. Seeding Dates for Annual and Perennial Grasses

	Annual Grasses (Numbers in table reference species in Table TS/PS-1)		Perennial Grasses	
Seeding Dates	**Warm**	**Cool**	**Warm**	**Cool**
January 1–March 15			✓	✓
March 16–April 30		1,2,3	✓	✓
May 1–May 15			✓	
May 16–June 30	5			
July 1–July 15	5			
July 16–August 31				
September 1–September 30		6, 7, 8, 9		
October 1–December 31			✓	✓

Mulch

Cover seeded areas with mulch or an appropriate rolled erosion control product to promote establishment of vegetation. Anchor mulch by crimping, netting or use of a non-toxic tackifier. See the USDCM Volume 2 *Revegetation* Chapter and Volume 3 Mulching BMP Fact Sheet (EC-04) for additional guidance.

Maintenance and Removal

Monitor and observe seeded areas to identify areas of poor growth or areas that fail to germinate. Reseed and mulch these areas, as needed.

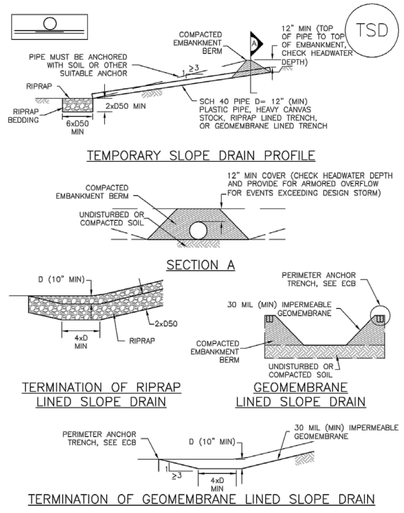
If a temporary annual seed was planted, the area should be reseeded with the desired perennial mix when there will be no further work in the area. To minimize competition between annual and perennial species, the annual mix needs time to mature and die before seeding the perennial mix. To increase success of the perennial mix, it should be seeded during the appropriate seeding dates the second year after the temporary annual mix was seeded. Alternatively, if this timeline is not feasible, the annual mix seed heads should be removed and then the area seeded with the perennial mix.

An area that has been permanently seeded should have a good stand of vegetation within one growing season if irrigated and within three growing seasons without irrigation in Colorado. Reseed portions of the site that fail to germinate or remain bare after the first growing season.

Seeded areas may require irrigation, particularly during extended dry periods. Targeted weed control may also be necessary.

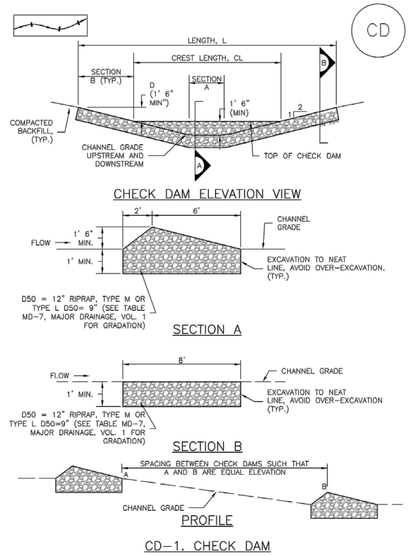
Protect seeded areas from construction equipment and vehicle access.

Temporary Slope Drains (TSD) EC-7



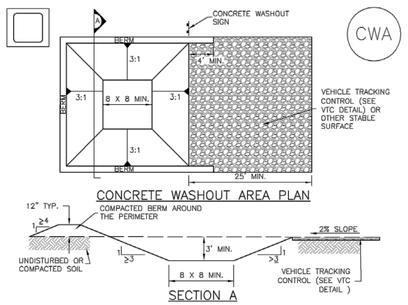
TSD–1. TEMPORARY SLOPE DRAIN PROFILE

Check Dams (CD) EC-12



CD–1. CHECK DAM

Concrete Washout Area (CWA) MM-1



CWA–1. CONCRETE WASHOUT AREA

CWA INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –CWA INSTALLATION LOCATION.

2. DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (16 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE ARE SHOULD BE USED.

3. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.

4. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8' SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.

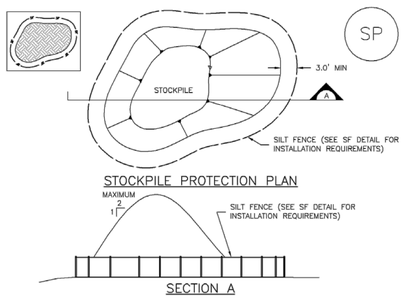
5. BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.

6. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.

7. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.

8. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

Stockpile Management (SP) MM-2



SP–1. STOCKPILE PROTECTION

STOCKPILE PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION OF STOCKPILES.
   –TYPE OF STOCKPILE PROTECTION.

2. INSTALL PERIMETER CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. SILT FENCE IS SHOWN IN THE STOCKPILE PROTECTION DETAILS; HOWEVER, OTHER TYPES OF PERIMETER CONTROLS INCLUDING SEDIMENT CONTROL LOGS OR ROCK SOCKS MAY BE SUITABLE IN SOME CIRCUMSTANCES. CONSIDERATIONS FOR DETERMINING THE APPROPRIATE TYPE OF PERIMETER CONTROL FOR A STOCKPILE INCLUDE WHETHER THE STOCKPILE IS LOCATED ON A PERVIOUS OR IMPERVIOUS SURFACE, THE RELATIVE HEIGHTS OF THE PERIMETER CONTROL AND STOCKPILE, THE ABILITY OF THE PERIMETER CONTROL TO CONTAIN THE STOCKPILE WITHOUT FAILING IN THE EVENT THAT MATERIAL FROM THE STOCKPILE SHIFTS OR SLUMPS AGAINST THE PERIMETER, AND OTHER FACTORS.

3. STABILIZE THE STOCKPILE SURFACE WITH SURFACE ROUGHENING, TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS, OR SOIL BINDERS. SOILS STOCKPILED FOR AN EXTENDED PERIOD (TYPICALLY FOR MORE THAN 60 DAYS) SHOULD BE SEEDED AND MULCHED WITH A TEMPORARY GRASS COVER ONCE THE STOCKPILE IS PLACED (TYPICALLY WITHIN 14 DAYS). USE OF MULCH ONLY OR A SOIL BINDER IS ACCEPTABLE IF THE STOCKPILE WILL BE IN PLACE FOR A MORE LIMITED TIME PERIOD (TYPICALLY 30–60 DAYS).

4. FOR TEMPORARY STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNGRADIENT CONTROLS, INCLUDING PERIMETER CONTROL, ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.

MM-2 Stockpile Management (SM)

STOCKPILE PROTECTION MAINTENANCE NOTES

1. 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.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

STOCKPILE PROTECTION MAINTENANCE NOTES

4. IF PERIMETER PROTECTION MUST BE MOVED TO ACCESS SOIL STOCKPILE, REPLACE PERIMETER CONTROLS BY THE END OF THE WORKDAY.

5. STOCKPILE PERIMETER CONTROLS CAN BE REMOVED ONCE ALL THE MATERIAL FROM THE STOCKPILE HAS BEEN USED.

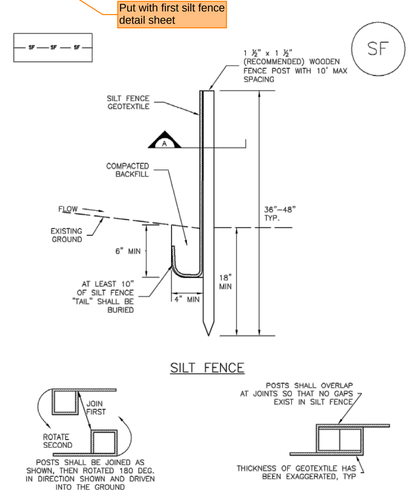
(DETAILS ADAPTED FROM PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

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

GEC Checklist Item X - Provide details for outfall protection and culvert inlet protection.

Silt Fence (SF) SC-1

Put with first silt fence detail sheet



SF–1. SILT FENCE

Know what's below. Call before you dig.

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No.	REVISIONS	DATE	BY

Kimley»Horn

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6200 SOUTH SYRACUSE WAY, SUITE 300
GREENWOOD VILLAGE, COLORADO 80111
PHONE: (303) 228-2300

KHA PROJECT	196094001
DATE	9/17/2026
SCALE	AS SHOWN
DESIGNED BY	MMR
DRAWN BY	ECM
CHECKED BY	KEW

EROSION CONTROL DETAILS

GRADING AND EROSION CONTROL PLAN
EL PASO COUNTY

PREPARED FOR
BUC-EE'S, LTD.

COLORADO

COUNTY OF EL PASO

SHEET NUMBER
11

V1_Grading & Erosion Control (GEC) Plan.pdf Markup Summary

[1] 1 COVER SHEET (2)

PPR26-28

Subject: Text Box
Page Label: [1] 1 COVER SHEET
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PPR26-28



Subject: Stamp - Stormwater Comment Legend
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Status:
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[2] 2 GEC NOTES (3)



Subject: Highlight
Page Label: [2] 2 GEC NOTES
Status:
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CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (PCD) – INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.



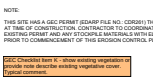
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BY PCD.

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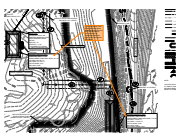
PCD.

[3] 3 INITIAL EROSION CONTROL PLAN - NORTH (10)



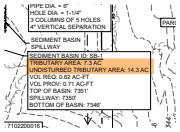
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GEC Checklist Item K - show existing vegetation or provide note describe existing vegetative cover. Typical comment.

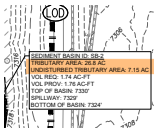


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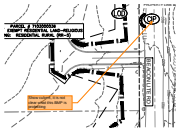
This total tributary area is not within the typical detail range and as such this TSB will require custom sizing. All dimensions and riser pipe details will need to be custom.



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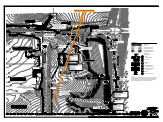


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Subject: SW - Textbox with Arrow
Page Label: [3] 3 INITIAL EROSION CONTROL PLAN - NORTH
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Show culvert, it is not clear what this BMP is protecting



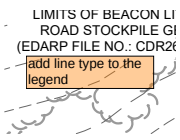
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Page Label: [3] 3 INITIAL EROSION CONTROL PLAN - NORTH
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Provifde min diversion swale dimensions - typical comment



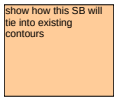
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Space:

Show culvert, it is not clear what this BMP is protecting



Subject: Text Box
Page Label: [3] 3 INITIAL EROSION CONTROL PLAN - NORTH
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add line type to the legend



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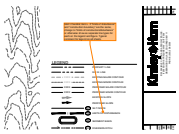
show how this SB will tie into existing contours



Subject: SW - Textbox with Arrow
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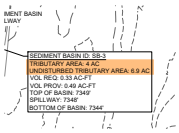
Show updated stockpile limits

[4] 4 INITIAL EROSION CONTROL PLAN - SOUTH (8)

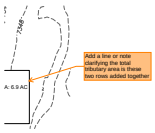


Subject: SW - Textbox with Arrow
Page Label: [4] 4 INITIAL EROSION CONTROL PLAN - SOUTH
Status:
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GEC Checklist Item L. If "limits of disturbance" and "construction boundary" are the same, change to "limits of construction/disturbance" or otherwise show as separate line types for each on the legend and figure. Typical comment for legend on all sheets.

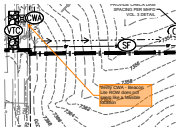


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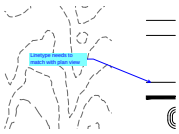
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Add a line or note clarifying the total tributary area is these two rows added together



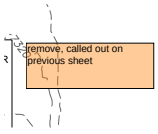
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Verify CWA - Beacon Lite ROW does not seem like a feasible location



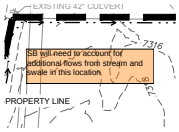
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Linetype needs to match with plan view



Subject: Text Box
Page Label: [4] 4 INITIAL EROSION CONTROL PLAN - SOUTH
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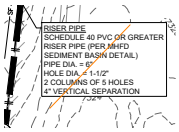
remove, called out on previous sheet



Subject: Text Box
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SB will need to account for additional flows from stream and swale in this location

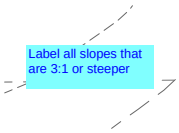
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[5] 5 INTERIM EROSION CONTROL PLAN - NORTH (11)

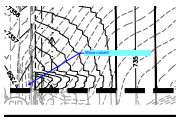


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Label all slopes that are 3:1 or steeper

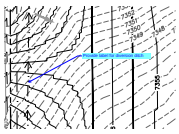


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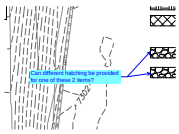
Subject: Callout
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Show culvert



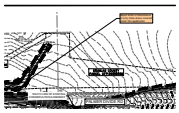
Subject: Callout
Page Label: [5] 5 INTERIM EROSION CONTROL PLAN - NORTH
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Provide label for diversion ditch



Subject: Callout
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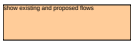
Can different hatching be provided for one of these 2 items?



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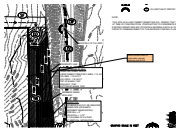
adjust limits of disturbance to only show areas covered under this application

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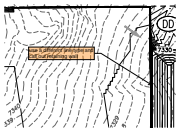
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show existing and proposed flows



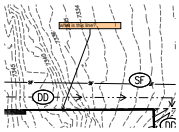
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need diversion ditch to route water around retaining wall to SB



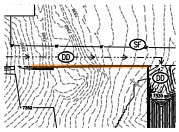
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use a different line type and call out retaining wall



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what is this line?

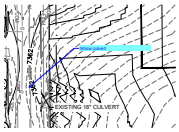


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[6] 6 INTERIM EROSION CONTROL PLAN - SOUTH (9)

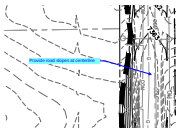


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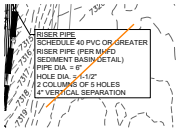
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Show culvert

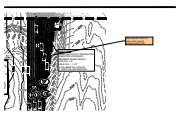


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Page Label: [6] 6 INTERIM EROSION CONTROL PLAN - SOUTH
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Provide road slopes at centerline

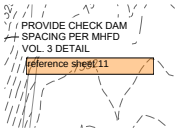


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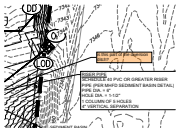
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need diversion ditch to route water around retaining wall to SB



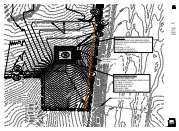
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reference sheet 11

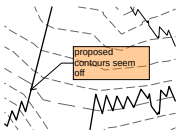


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is this part of the diversion ditch?



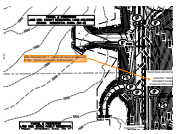
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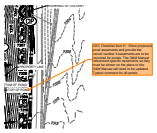
proposed contours seem off

[7] 7 FINAL EROSION CONTROL PLAN - NORTH (3)



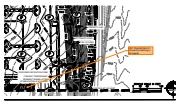
Subject: SW - Textbox with Arrow
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GEC Checklist Item Y - include all names of proposed PCMs. Typical comment for all three ponds.



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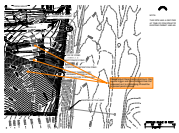
GEC Checklist Item H - Show proposed pond easements and provide the record number if easements are to be recorded for ponds. The O&M Manual referenced specific easements so they must be shown on the plans or the O&M Manual will need to be updated. Typical comment for all ponds.



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GEC Checklist Item D - Include this hatching in the legend.

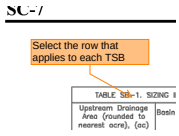
[8] 8 FINAL EROSION CONTROL PLAN - SOUTH (1)



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Please adjust these existing contours, they appear bigger and more frequent than the proposed so it is challenging to read the proposed pond contours

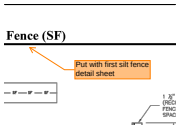
[10] 10 EROSION CONTROL DETAILS (1)



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Select the row that applies to each TSB

[11] 11 EROSION CONTROL DETAILS (4)



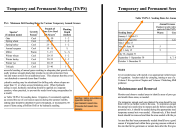
Subject: SW - Textbox with Arrow
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Put with first silt fence detail sheet



Subject: SW - Textbox
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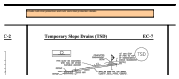
GEC Checklist Item X - Provide details for outfall protection and culvert inlet protection.



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Neither table provides a specific temp or permanent seed mix. Provide full seed mix details

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include curb inlet protection and curb sock inlet protection details