



THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

HAY CREEK VALLEY

EL PASO COUNTY, COLORADO

FINAL GRADING & EROSION CONTROL PLANS

MAY 2024

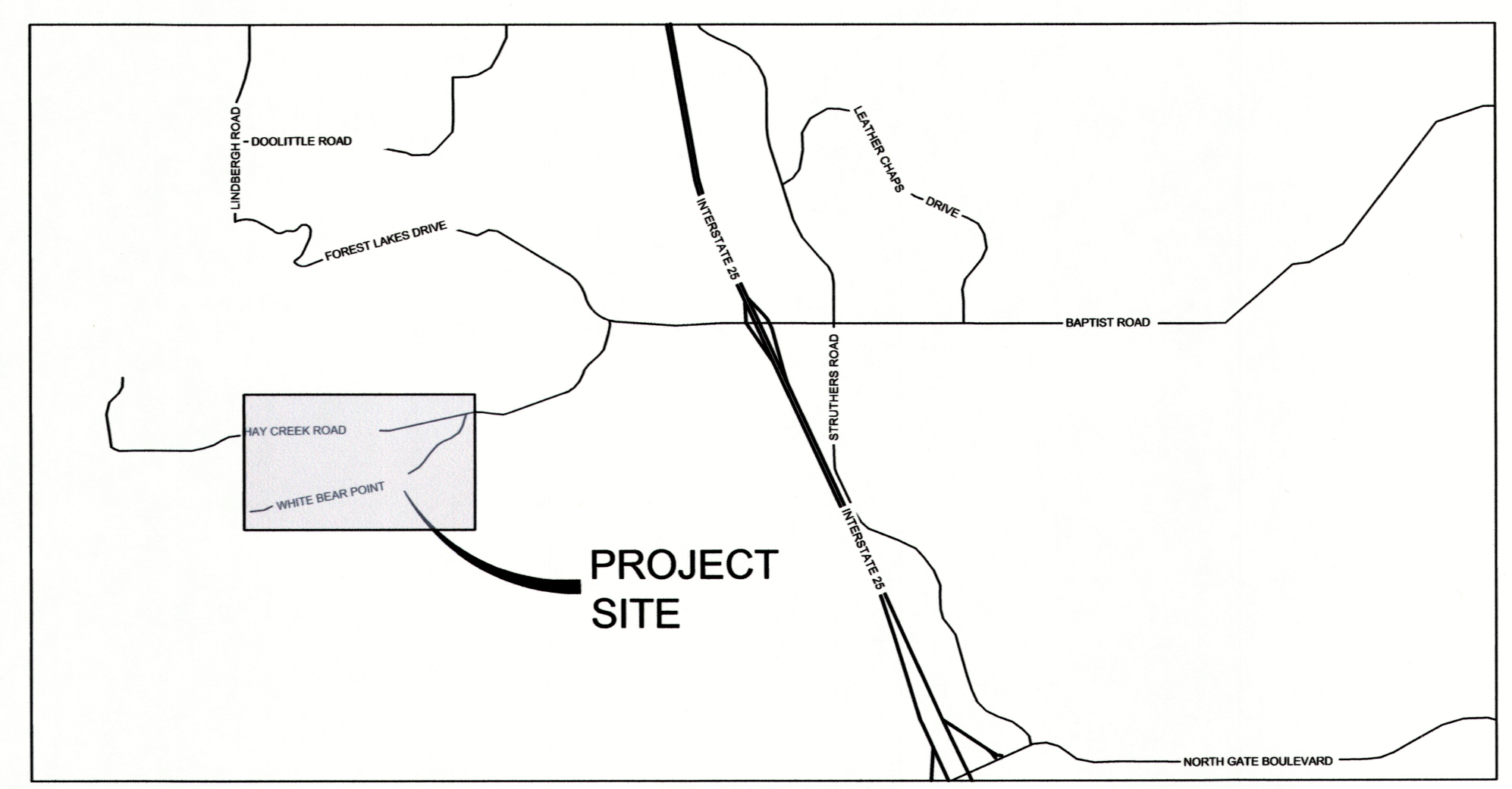
INDEX OF SHEETS		SHEET No.
TS01	TITLE SHEET	01
GN01	KEY MAP	02
GN02	GENERAL NOTES	03
GEC01-GEC06	GRADING & EROSION CONTROL PLAN	04-09
ECN01-ECN03	DETAILS	10-12

AGENCY CONTACT INFO

OWNER/DEVELOPER	VIEW HOMES, INC. 555 MIDDLE CREEK PARKWAY, SUITE 500 COLORADO SPRINGS, CO 80921 TIM BUSCHAR, (719)-382-9433
CIVIL ENGINEER	MATRIX DESIGN GROUP 2435 RESEARCH PARKWAY, SUITE 300 COLORADO SPRINGS, CO 80920 (719)-575-0100
ELECTRIC	MOUNTAIN VIEW ELECTRIC ASSOCIATION 15706 JACKSON CREEK PARKWAY, SUITE 100 MONUMENT, CO 80132 GINA PERRY, (719) 494-2636
GAS	BLACK HILLS ENERGY 105 S VICTORIA AVENUE PUEBLO, CO 81003 (800) 303-0752
ENGINEERING	EL PASO COUNTY PUBLIC WORKS DEPARTMENT 3275 AKERS DRIVE COLORADO SPRINGS, CO 80922 (719) 520-6460
TRAFFIC	EL PASO COUNTY PUBLIC WORKS DEPARTMENT 3275 AKERS DRIVE COLORADO SPRINGS, CO 80922 (719) 520-6460
DRAINAGE	EL PASO COUNTY PUBLIC WORKS DEPARTMENT 3275 AKERS DRIVE COLORADO SPRINGS, CO 80922 (719) 520-6460
FIRE DEPARTMENT	MONUMENT FIRE DISTRICT 16055 OLD FOREST POINT, SUITE 102 MONUMENT, CO 80132 (719)-484-0911



SITE MAP
1" = 500'



VICINITY MAP
N.T.S.

OWNER/DEVELOPER'S STATEMENT:

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

NAME: Tim Buschar DATE: 5/10/24

TIM BUSCHAR, (719)-382-9433
VIEW HOMES, INC.
555 MIDDLE CREEK PARKWAY, SUITE 500
COLORADO SPRINGS, CO 80921

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.

BY: Jeffrey A. Odor DATE: 5/28/2024

JEFFREY A. ODOR, PE #39265
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.

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.

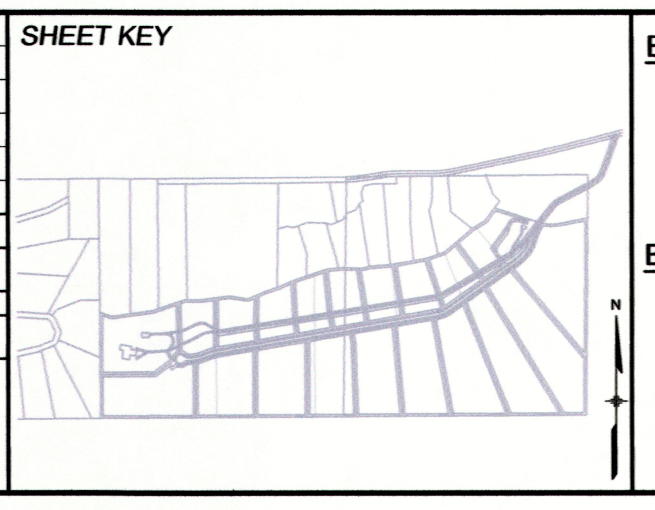
IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTOR'S DISCRETION.

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

PCD FILE #: SF2324

REFERENCE DRAWINGS	No.	DATE	DESCRIPTION	BY
X-TITLE-CD				
X-886-PR-SITE				
FEMA_X3				
X-886-066-EX-MAP-1				
164022-01 Hay Creek Road BNEY				
X-886-ALTA-SURVEY				
Hay Creek BFEs				

COMPUTER FILE MANAGEMENT	
FILE NAME:	S:\22.886.076 Hay Creek-Forest Manor-O'Leary Properties\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\TS01.dwg
CTB FILE:	Matrix.ctb
PLOT DATE:	1/26/2024 3:01 PM
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.	



BENCHMARK
PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING
THE SOUTH LINE OF THE NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE EASTERLY END BY A 2-1/2" ALUMINUM CAP STAMPED "NOLTE PLS25955 C1/4 S22 T15S, R65W 1999, "AND THE WESTERLY END BY A2-1/2" ALUMINUM CAP STAMPED "SSS PLS 16154 1/4 S21 S22 T15S, R65W 2000, "BEING ASSUMED TO BEAR S89°54'42"W, A DISTANCE OF 2,627.78 FEET.

PREPARED BY:
 Matrix
Excellence by Design

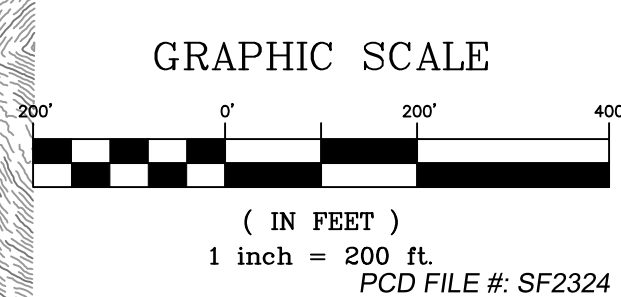
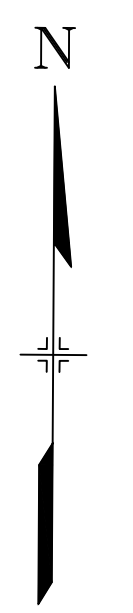
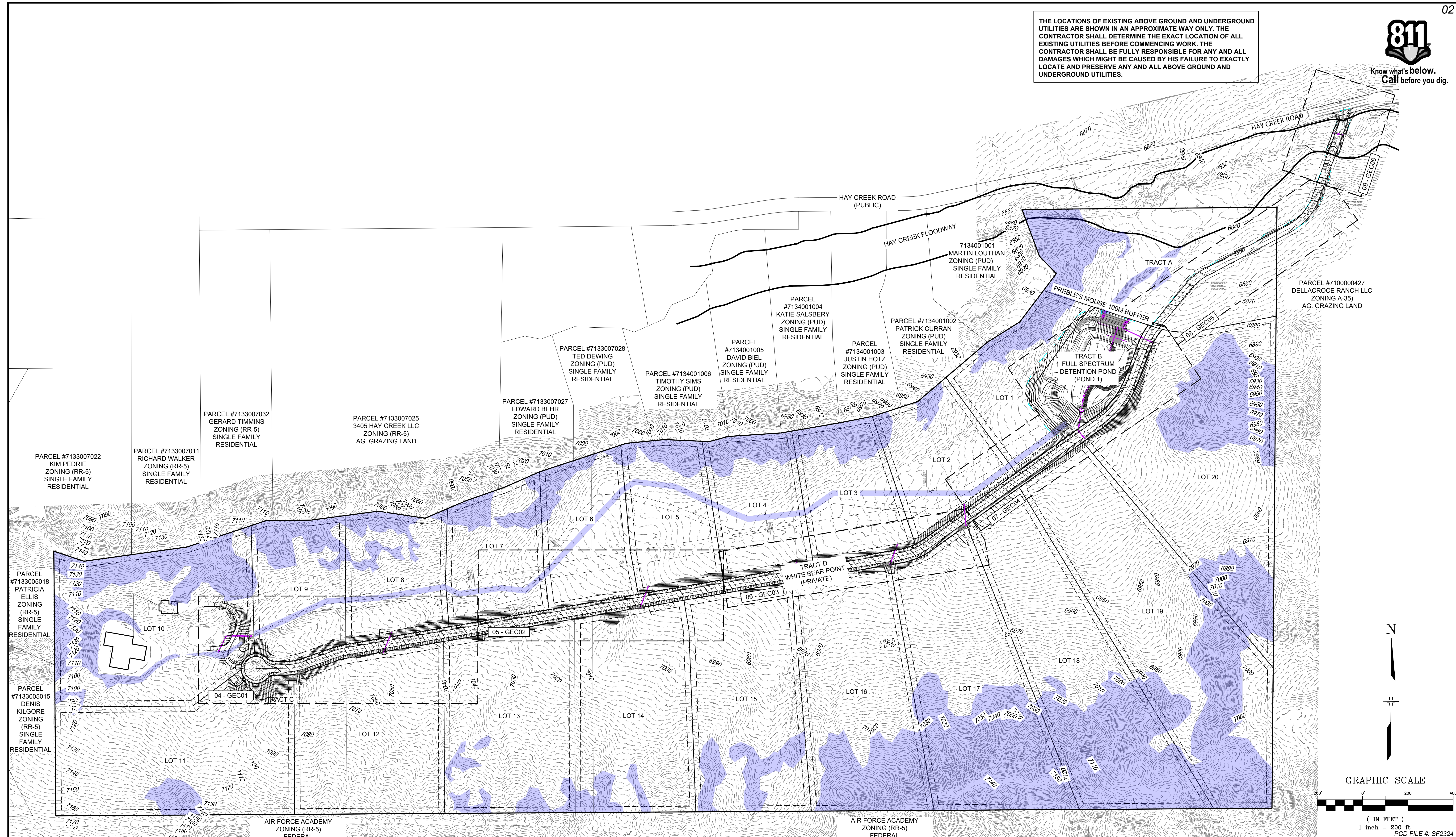
SEAL

HAY CREEK VALLEY	
EL PASO COUNTY, COLORADO FINAL GRADING & EROSION CONTROL PLANS	
TITLE SHEET	
DESIGNED BY: CVW	SCALE: N/A
DRAWN BY: CWW	HORIZ. N/A
CHECKED BY: JAO	VERT. N/A
DATE ISSUED: MAY 2024	DRAWING No. TS01
SHEET 01 OF 12	

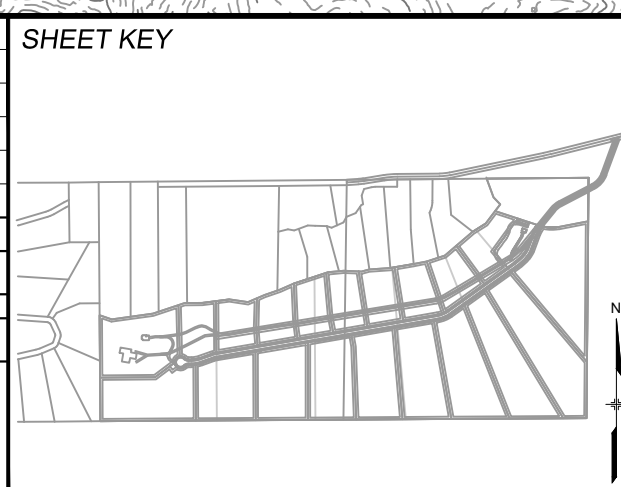


Know what's below. Call before you dig.

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No.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\22.886.076 Hay Creek-Forest Manor-O'Leary Properties\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\TS01.dwg			
CTB FILE: Matrix.ctb			
PLOT DATE: 5/29/2024 9:35 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



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HAY CREEK VALLEY
EL PASO COUNTY, COLORADO
FINAL GRADING & EROSION CONTROL PLANS

KEY MAP

DESIGNED BY: CVW	SCALE: 1"=200'	DATE ISSUED: MAY 2024	DRAWING No. GN01
DRAWN BY: CVW	HORIZ. N/A	SHEET 02 OF 12	
CHECKED BY: JAO	VERT. N/A		

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC. PROJECT No. 22.886.076



Know what's below. Call before you dig.

GENERAL CONSTRUCTION NOTES:

- 1. STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
2. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
3. A SEPARATE STORMWATER MANAGEMENT PLAN (SMWP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. MANAGEMENT OF THE SWMP DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QUALIFIED STORMWATER MANAGER OR CERTIFIED EROSION CONTROL INSPECTOR. THE SWMP SHALL BE LOCATED ON SITE AT ALL TIMES DURING CONSTRUCTION AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
4. ONCE THE ESQCP IS APPROVED AND A "NOTICE TO PROCEED" HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED GEC. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF.
5. CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, AND DISTURBED LAND AREAS SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF THE DISTURBANCE.
6. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE ACTIVITIES SHALL ASSESS THE ADEQUACY OF CONTROL MEASURES AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CONTROL MEASURES ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CONTROL MEASURES. ALL CHANGES TO TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE INCORPORATED INTO THE STORMWATER MANAGEMENT PLAN.
7. TEMPORARY STABILIZATION SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
8. FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES ARE COMPLETE AND ALL DISTURBED AREAS EITHER HAVE A UNIFORM VEGETATIVE COVER WITH INDIVIDUAL PLANT DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS ESTABLISHED OR EQUIVALENT PERMANENT ALTERNATIVE STABILIZATION METHOD IS IMPLEMENTED. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON FINAL STABILIZATION AND BEFORE PERMIT CLOSURE.
9. ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT EFFECT THE DESIGN OR FUNCTION OF PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
10. EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A WATERS OF THE STATE UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED.
11. COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES OR WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS

- DESIGNATED FOR INFILTRATION CONTROL MEASURES SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF COMPACTION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENED PRIOR TO INSTALLATION OF THE CONTROL MEASURE(S).
12. ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF SITE.
13. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUTS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK OR STREAM.
14. DURING DEWATERING OPERATIONS OF UNCONTAMINATED GROUND WATER MAY BE DISCHARGED ON SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF UNLESS AN APPROVED STATE DEWATERING PERMIT IS IN PLACE.
15. EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
17. WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. CONTROL MEASURES MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
18. TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
19. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
20. THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
21. NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ONSITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
22. BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS ONSITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR OTHER FACILITIES.
23. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
24. OWNER/DEVELOPER AND THEIR AGENTS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (1041, NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.

- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
PRIOR TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.

THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY CTL THOMPSON, DATED SEPTEMBER 19, 2023, 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 ONE (1) ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (SWMP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

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

NRCS SOIL SURVEY FOR EL PASO COUNTY

Table with 3 columns: SOIL ID NO., SOIL TYPE, HYDROLOGIC CLASSIFICATION. Rows include Jarre-Tecolote Complex, Pring Coarse Sandy Loam, and Tomah-Crowfoot Complex.

TIMING

ANTICIPATED STARTING AND COMPLETION TIME PERIOD OF SITE GRADING:
WINTER 2024 THRU FALL 2024
EXPECTED DATE ON WHICH THE FINAL STABILIZATION WILL BE COMPLETED:
FALL 2024

AREAS

TOTAL DISTURBED AREA: 17.28 ACRES

RECEIVING WATERS

NAME OF RECEIVING WATERS
HAY CREEK (ULTIMATE)

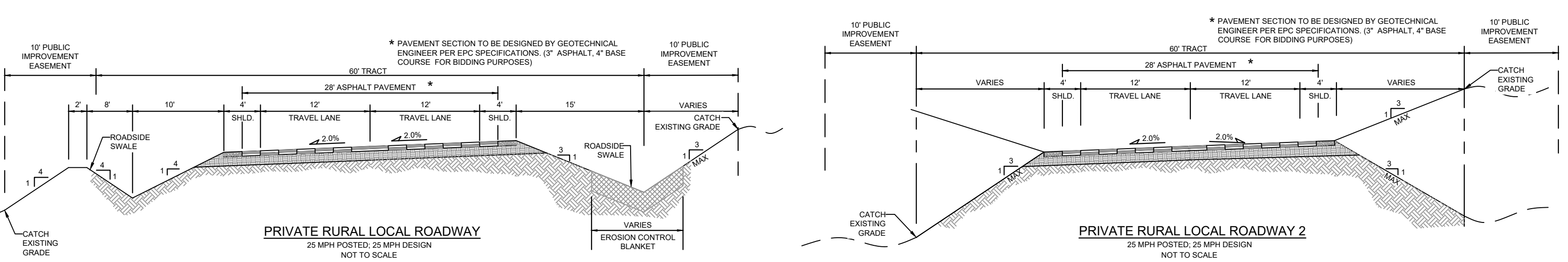
ENGINEER'S NOTES:

THE EXISTING VEGETATION CONSISTS OF MODERATELY DENSE NATIVE GRASSES AND SHRUBS. BASED ON SITE VISITS AND A REVIEW OF AERIAL PHOTOGRAPHY, THE VEGETATIVE COVER AT HAY CREEK VALLEY IS APPROXIMATELY 80%.

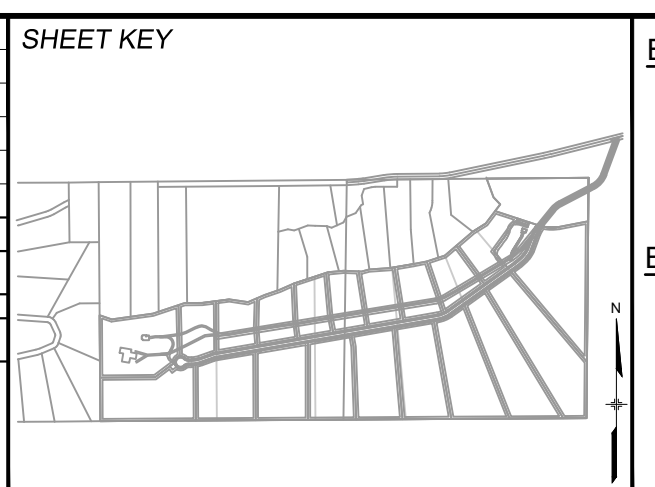
ABBREVIATIONS

Table of abbreviations including BOW, EL, EX, HORIZ, INV, MIN, N,S,E,W, PL, PSI, RCP, SHLDR, TOW, TYP, PROPERTY LINE, POUNDS PER SQUARE INCH, REINFORCED CONCRETE PIPE, SHOULDER, TOP OF WALL, TYPICAL.

TYPICAL ROADWAY CROSS SECTIONS



REFERENCE DRAWINGS table with columns No., DATE, DESCRIPTION, REVISIONS, BY. Includes computer file management information like FILE NAME, CTB FILE, PLOT DATE.



BENCHMARK
PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.
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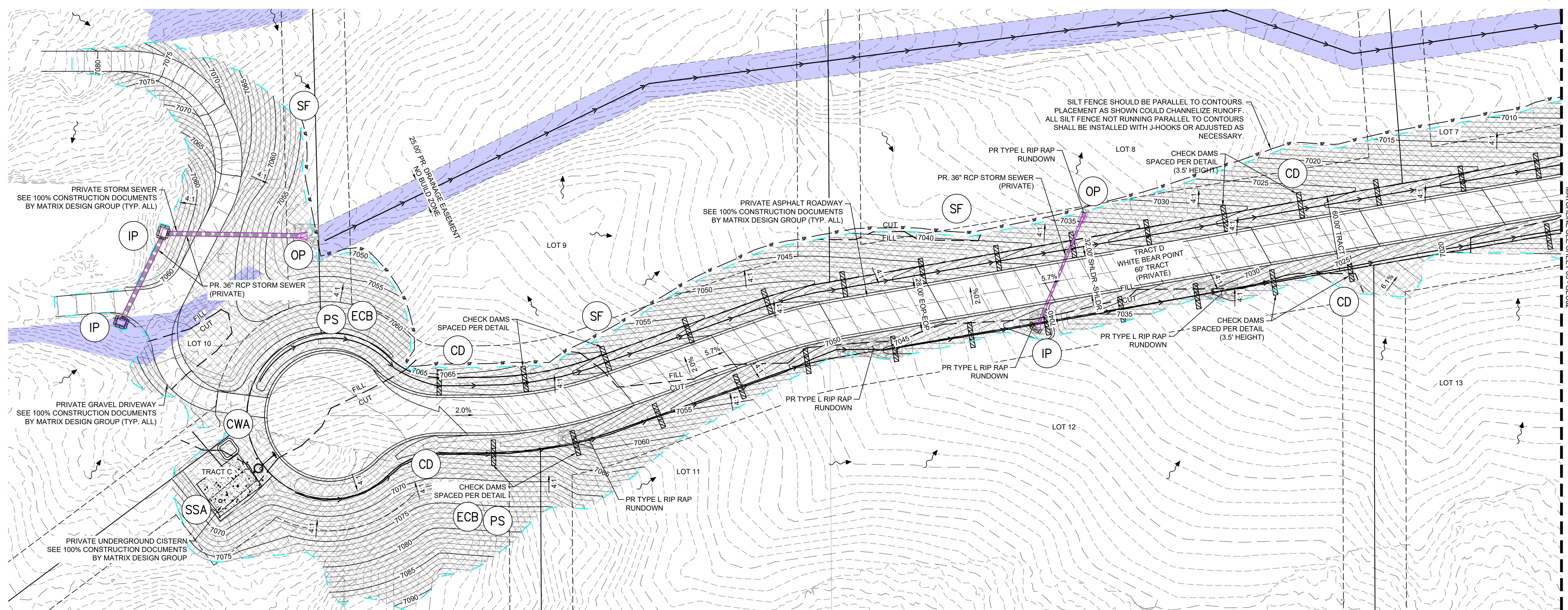
SEAL area containing the Colorado Licensed Professional Engineer seal for Jeffrey A. Jones, No. 14265, dated 05/28/2024. Includes Matrix logo and slogan 'Excellence by Design'.

HAY CREEK VALLEY
EL PASO COUNTY, COLORADO
FINAL GRADING & EROSION CONTROL PLANS
GENERAL NOTES
DESIGNED BY: CVW
DRAWN BY: CVW
CHECKED BY: JAO
SCALE: HORIZ N/A, VERT. N/A
DATE ISSUED: MAY 2024
SHEET: 03 OF 12
DRAWING No. GN02



Know what's below.
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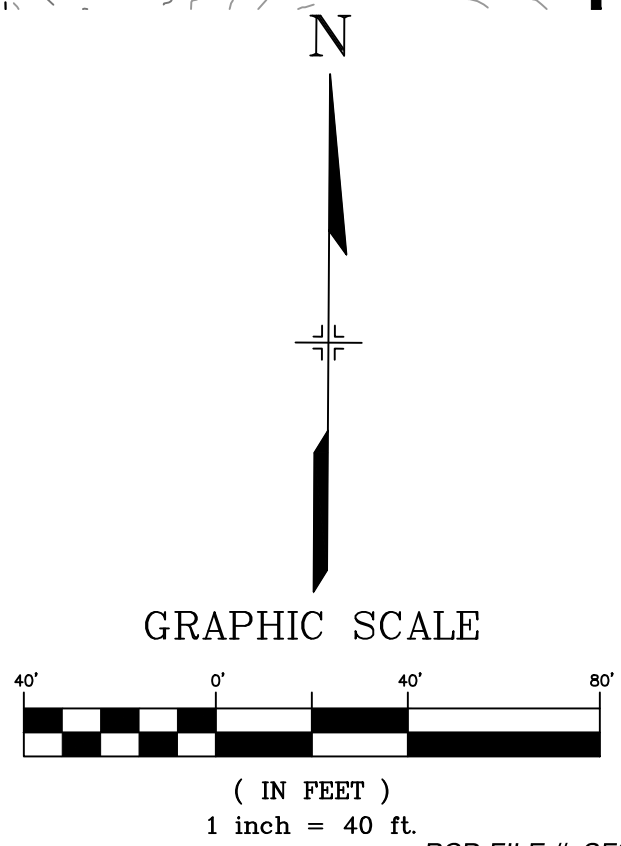


EROSION CONTROL LEGEND

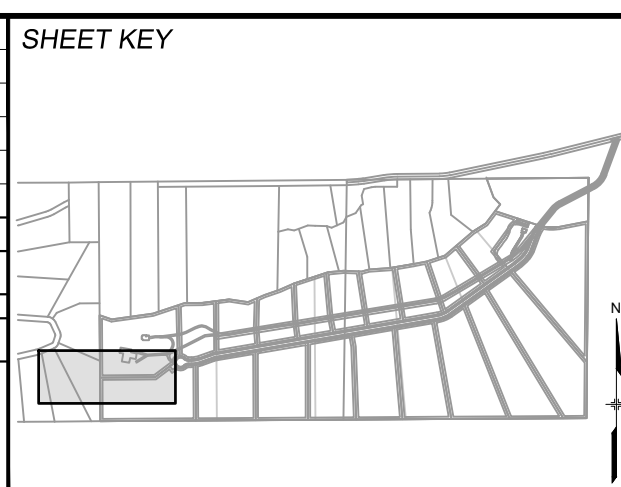
SF	PERMANENT SEEDING	MU	MULCHING	5975	EXISTING CONTOURS
SF	SILT FENCE	TSB	TEMPORARY SEDIMENT BASIN	4:1	DRAINAGE SWALE
ECB	EROSION CONTROL BLANKET	CWA	CONCRETE WASHOUT	Overland Flow	OVERLAND FLOW
OP	OUTLET PROTECTION	SSA	STOCKPILE MANAGEMENT / STABILIZED STAGING AREA	Limits of Disturbance/Construction Site Boundary	LIMITS OF DISTURBANCE/ CONSTRUCTION SITE BOUNDARY
IP	INLET PROTECTION	HP	HIGH POINT / LOW POINT	Project Boundary Line	PROJECT BOUNDARY LINE
VTC	VEHICLE TRACKING CONTROL	LP	PROPOSED CONTOURS	Overflow Route	OVERFLOW ROUTE
CD	CHECK DAM	7050	EXISTING FENCE	Cut/Fill Line	CUT/FILL LINE
		Existing Storm Drain	EXISTING STORM DRAIN	100 Year Floodplain Boundary	100 YEAR FLOODPLAIN BOUNDARY
		Proposed Storm Drain	PROPOSED STORM DRAIN	Matchline	MATCHLINE
		No Build Zone (Slope Greater Than 29.99%)	NO BUILD ZONE (SLOPE GREATER THAN 29.99%)	Proposed Lot/Tract Line	PROPOSED LOT/TRACT LINE
		Easement	EASEMENT	Proposed Building Setback	PROPOSED BUILDING SETBACK

BMP SEQUENCING	
INITIAL	SILT FENCE, VEHICLE TRACKING, TEMP SEDIMENT BASINS
INTERIM	CHECK DAMS, CONCRETE WASHOUT, INLET/OUTLET PROTECTION, STOCKPILES, STAGING, ROUGH CUT STREET CONTROL
FINAL	EROSION CONTROL BLANKETS, SEEDING & MULCHING, PERMANENT CONTROL MEASURE(S)

NOTES:
1. SEE CHECK DAM (CD) DETAIL EC-12 ON SHEET EGN01 FOR SPACING.
2. ALL EROSION CONTROL BLANKET SHALL BE INSPECTED 24-MONTHS AFTER INSTALLATION. EROSION CONTROL BLANKET MAY BE REQUIRED TO BE RE-INSTALLED PER MANUFACTURER SPECIFICATIONS.



REF. NO.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\22.886.076 Hay Creek-Forest Manor-O'Leary Properties\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01.dwg			
CTB FILE: Matrix.ctb			
PLOT DATE: 5/29/2024 9:35 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



BENCHMARK
PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING
THE SOUTH LINE OF THE NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE EASTERLY END BY A 2-1/2" ALUMINUM CAP STAMPED "NOLTE PL325955 C1/4 S22 T16S, R65W 1999, "AND THE WESTERLY END BY A2-1/2" ALUMINUM CAP STAMPED "SSS PLS 16154 1/4 S21 S22 T16S, R65W 2000, "BEING ASSUMED TO BEAR S89°54'42"W, A DISTANCE OF 2,627.78 FEET.

SEAL

FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 22.886.076

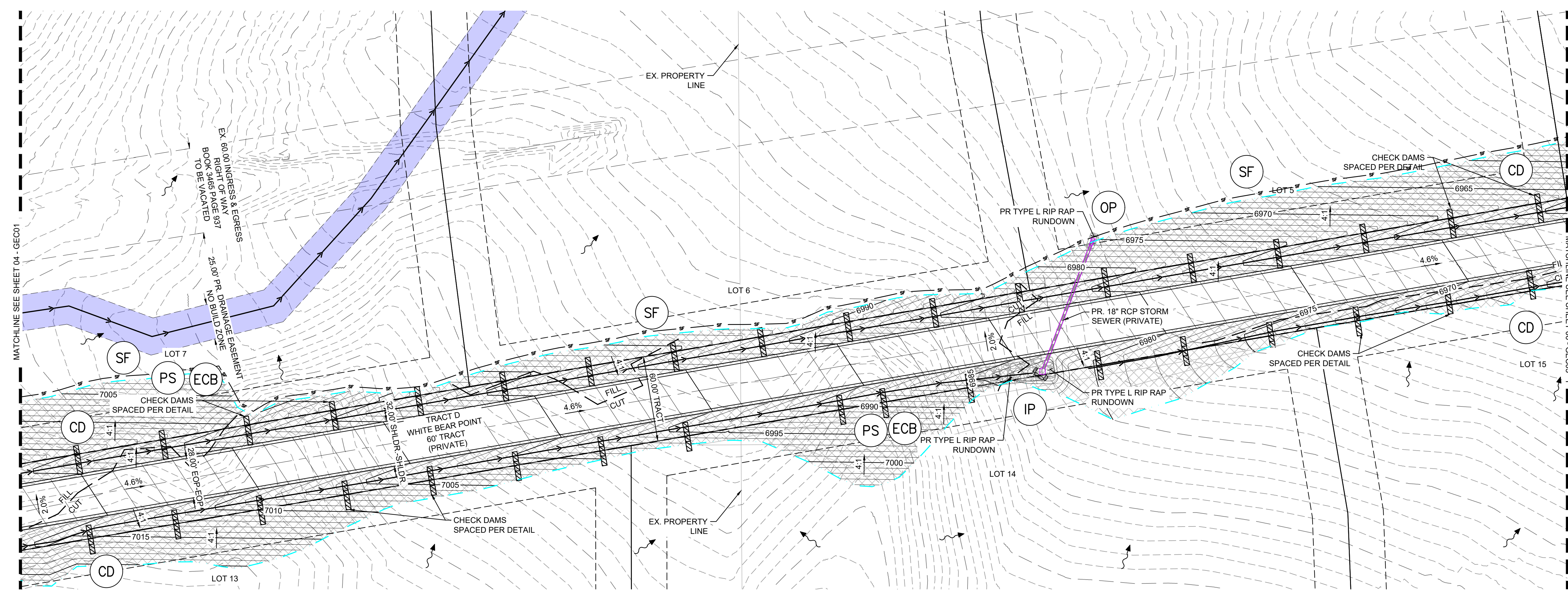
HAY CREEK VALLEY
EL PASO COUNTY, COLORADO
FINAL GRADING & EROSION CONTROL PLANS

GRADING & EROSION CONTROL PLAN

DESIGNED BY: CVW	SCALE: 1" = 40'	DATE ISSUED: MAY 2024	DRAWING No. GEC01
DRAWN BY: CVW	HORIZ. 1" = 40'	SHEET 04 OF 12	
CHECKED BY: JAO	VERT. N/A		



THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

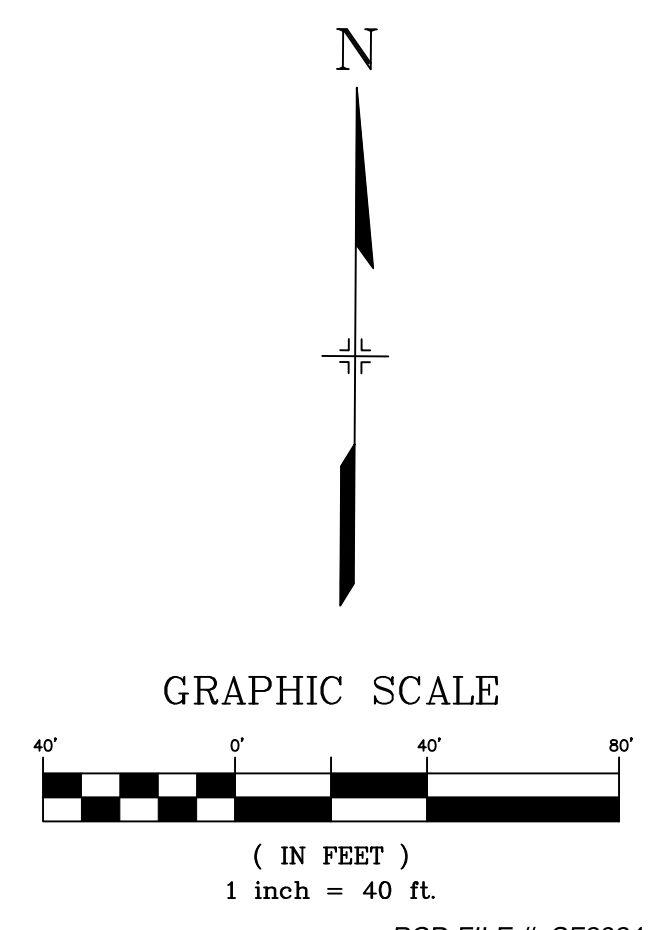
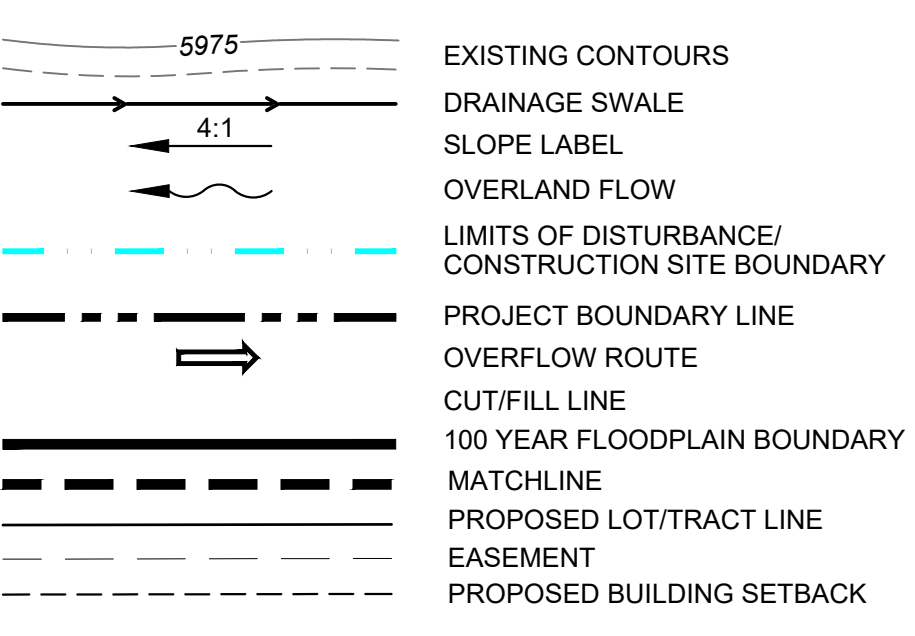


BMP SEQUENCING	
INITIAL	SILT FENCE, VEHICLE TRACKING, TEMP SEDIMENT BASINS
INTERIM	CHECK DAMS, CONCRETE WASHOUT, INLET/OUTLET PROTECTION, STOCKPILES, STAGING, ROUGH CUT STREET CONTROL
FINAL	EROSION CONTROL BLANKETS, SEEDING & MULCHING, PERMANENT CONTROL MEASURE(S)

NOTES:
 1. SEE CHECK DAM (CD) DETAIL EC-12 ON SHEET ECN01 FOR SPACING.
 2. ALL EROSION CONTROL BLANKET SHALL BE INSPECTED 24-MONTHS AFTER INSTALLATION. EROSION CONTROL BLANKET MAY BE REQUIRED TO BE RE-INSTALLED PER MANUFACTURER SPECIFICATIONS.

EROSION CONTROL LEGEND

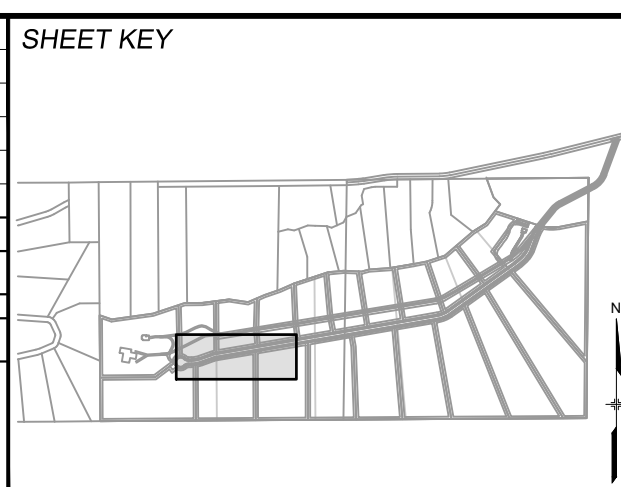
(PS)	PERMANENT SEEDING	(MU)	MULCHING
(SF)	SILT FENCE	(TSB)	TEMPORARY SEDIMENT BASIN
(ECB)	EROSION CONTROL BLANKET	(CWA)	CONCRETE WASHOUT
(OP)	OUTLET PROTECTION	(SSA)	STOCKPILE MANAGEMENT / STABILIZED STAGING AREA
(IP)	INLET PROTECTION	(HP)	HIGH POINT / LOW POINT
(VTC)	VEHICLE TRACKING CONTROL	(LP)	LOW POINT
(RIP)	PROPOSED RIP RAP	(7050)	PROPOSED CONTOURS
(CD)	CHECK DAM	(X)	EXISTING FENCE
		(---)	EXISTING STORM DRAIN
		(---)	PROPOSED STORM DRAIN
		(---)	NO BUILD ZONE (SLOPE GREATER THAN 29.99%)



PCD FILE #: SF2324

NO.	DATE	DESCRIPTION	BY
REVISIONS			

COMPUTER FILE MANAGEMENT
 FILE NAME: S:\22.886.076 Hay Creek-Forest Manor-O'Leary Properties\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01.dwg
 CTB FILE: Matrix.ctb
 PLOT DATE: 5/29/2024 9:35 AM
 THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.



BENCHMARK
 PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING
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PREPARED BY:

SEAL

FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.
 PROJECT No. 22.886.076

HAY CREEK VALLEY
 EL PASO COUNTY, COLORADO
 FINAL GRADING & EROSION CONTROL PLANS

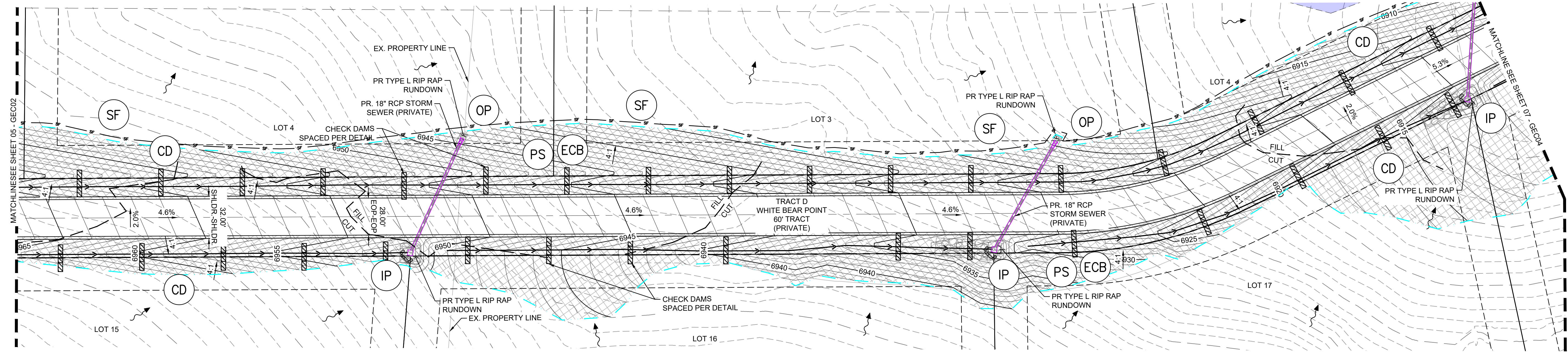
GRADING & EROSION CONTROL PLAN

DESIGNED BY: CVW	SCALE: 1" = 40'	DATE ISSUED: MAY 2024	DRAWING No. GEC02
DRAWN BY: CVW	HORIZ: N/A	SHEET 05 OF 12	
CHECKED BY: JAO	VERT: N/A		



Know what's below.
Call before you dig.

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BMP SEQUENCING	
INITIAL	SILT FENCE, VEHICLE TRACKING, TEMP SEDIMENT BASINS
INTERIM	CHECK DAMS, CONCRETE WASHOUT, INLET/OUTLET PROTECTION, STOCKPILES, STAGING, ROUGH CUT STREET CONTROL
FINAL	EROSION CONTROL BLANKETS, SEEDING & MULCHING, PERMANENT CONTROL MEASURE(S)

- NOTES:**
- SEE CHECK DAM (CD) DETAIL EC-12 ON SHEET ECN01 FOR SPACING.
 - ALL EROSION CONTROL BLANKET SHALL BE INSPECTED 24-MONTHS AFTER INSTALLATION. EROSION CONTROL BLANKET MAY BE REQUIRED TO BE RE-INSTALLED PER MANUFACTURER SPECIFICATIONS.

EROSION CONTROL LEGEND

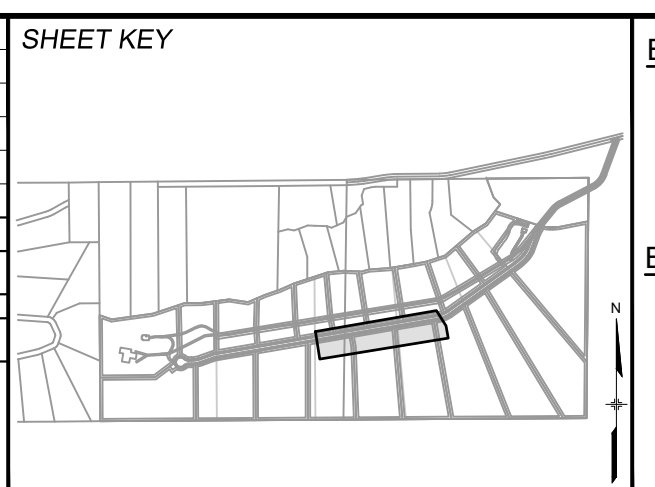
SF	PERMANENT SEEDING	MU	MULCHING
TSB	SILT FENCE	TSB	TEMPORARY SEDIMENT BASIN
ECB	EROSION CONTROL BLANKET	CWA	CONCRETE WASHOUT
OP	OUTLET PROTECTION	SSA	STOCKPILE MANAGEMENT / STABILIZED STAGING AREA
IP	INLET PROTECTION	HP	HIGH POINT / LOW POINT
VTC	VEHICLE TRACKING CONTROL	LP	PROPOSED CONTOURS
CD	CHECK DAM	X	EXISTING FENCE
	PROPOSED RIP RAP		EXISTING STORM DRAIN
			PROPOSED STORM DRAIN
			NO BUILD ZONE (SLOPE GREATER THAN 29.99 %)

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

PCD FILE #: SF2324

REFERENCE DRAWINGS	No.	DATE	DESCRIPTION	BY
X-TITLE-CD X-886-PR-SITE FEMA_X3 X-886-066-EX-MAP-1 X-886-ALTA-SURVEY Hay Creek SFES 2023-02-28 TOPO 164022-01 164022-01 Hay Creek Road BMDY				
COMPUTER FILE MANAGEMENT				
FILE NAME: S:\22.886.076 Hay Creek-Forest Manor-O'Leary Properties\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01.dwg				
CTB FILE: Matrix.ctb				
PLOT DATE: 5/29/2024 9:35 AM				
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.				



BENCHMARK
PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.

BASIS OF BEARING
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PREPARED BY:

Matrix
Excellence by Design

SEAL

FOR AND ON BEHALF OF
MATRIX DESIGN GROUP, INC.
PROJECT No. 22.886.076

HAY CREEK VALLEY
EL PASO COUNTY, COLORADO
FINAL GRADING & EROSION CONTROL PLANS

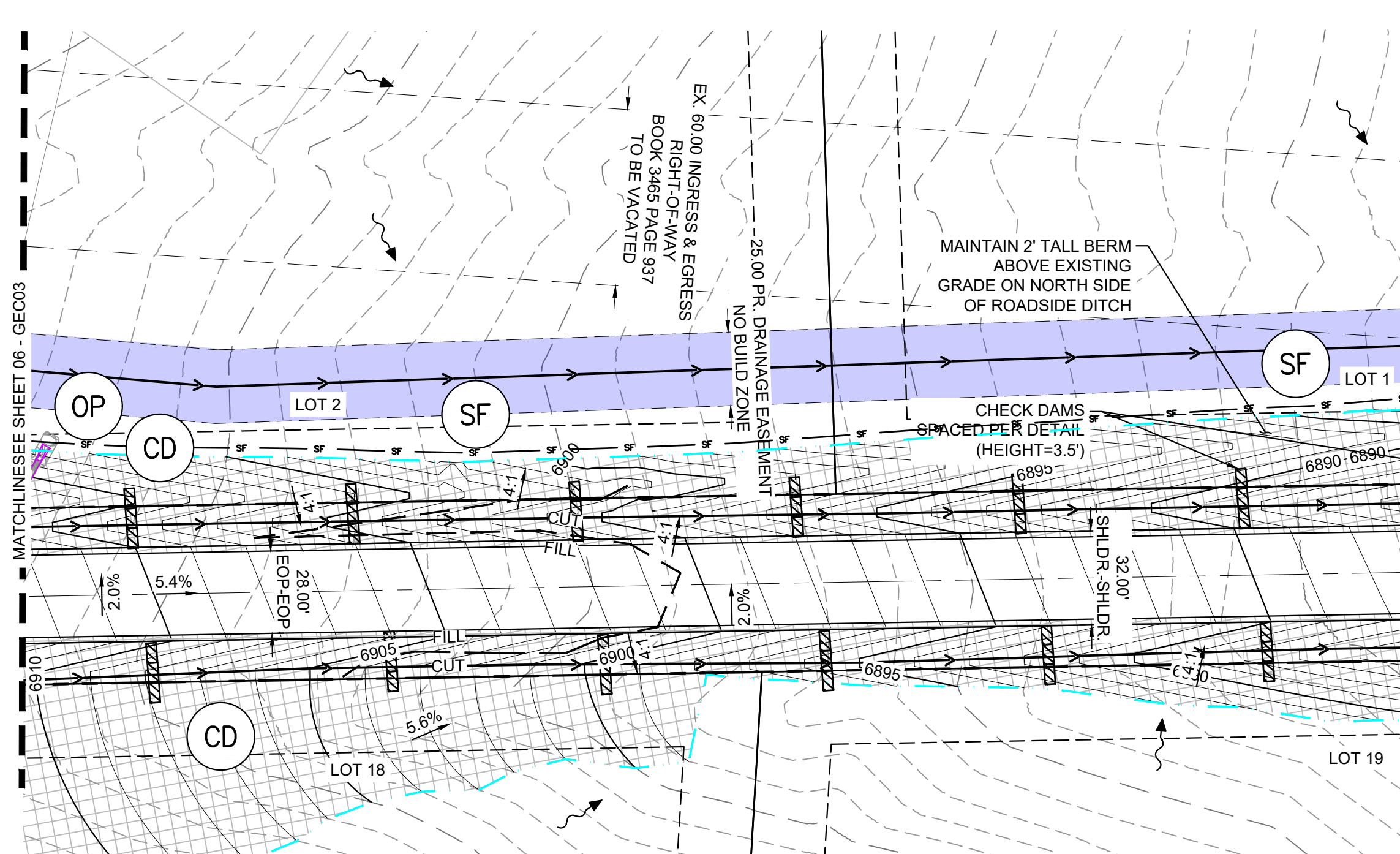
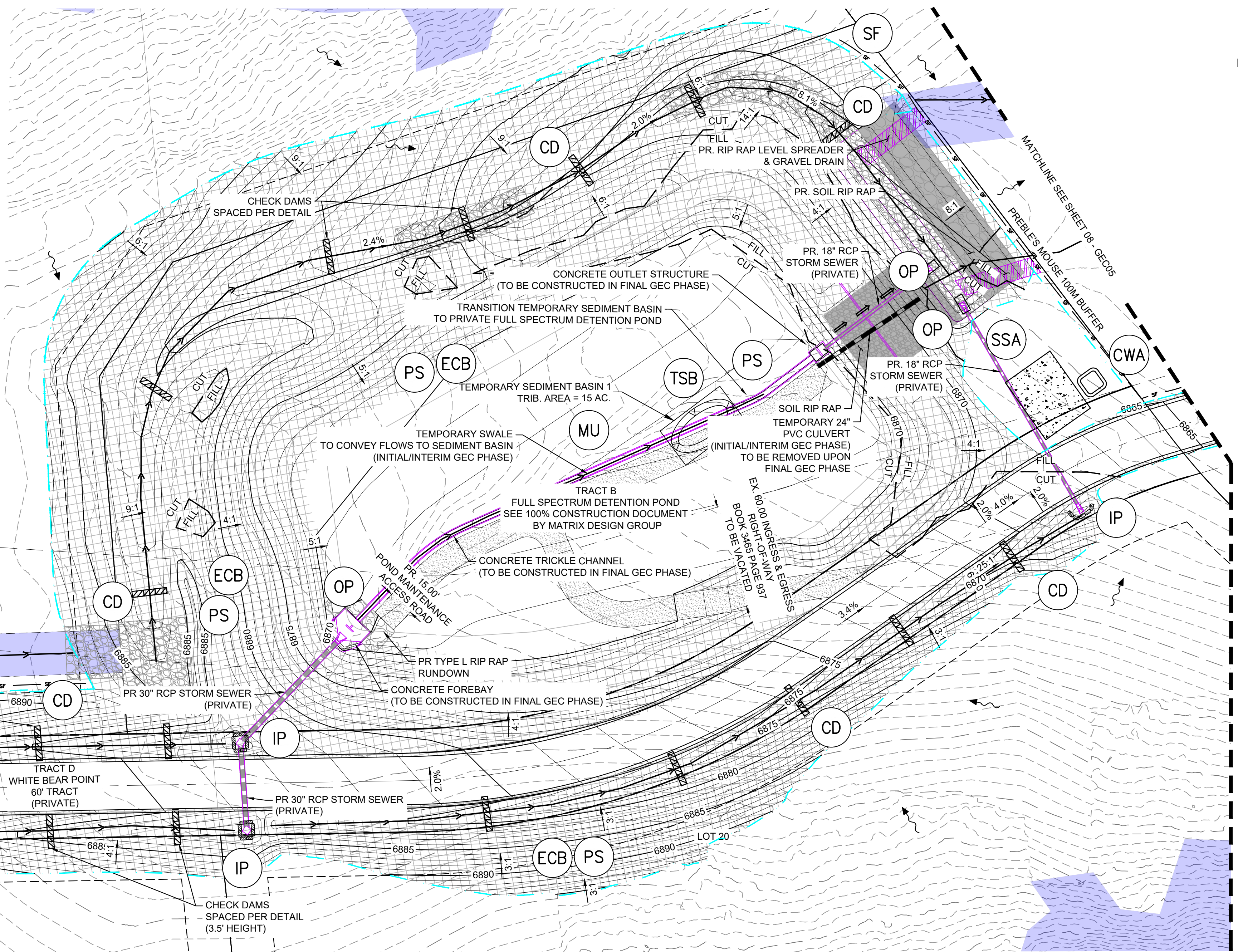
GRADING & EROSION CONTROL PLAN

DESIGNED BY: CVW	SCALE: 1" = 40'	DATE ISSUED: MAY 2024	DRAWING No. GEC03
DRAWN BY: CVW	HORIZ. N/A	SHEET 06 OF 12	
CHECKED BY: JAO	VERT. N/A		



Know what's below. Call before you dig.

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TEMPORARY SEDIMENT BASIN SUMMARY				
ID	BASIN BOTTOM WIDTH (FT)	SPILLWAY CREST LENGTH (FT)	HOLE DIAMETER (IN)	REQUIRED VOLUME (CF)
1	73.25	22	1 3/16	41,070

BMP SEQUENCING	
INITIAL	SILT FENCE, VEHICLE TRACKING, TEMP SEDIMENT BASINS
INTERIM	CHECK DAMS, CONCRETE WASHOUT, INLET/OUTLET PROTECTION, STOCKPILES, STAGING, ROUGH CUT STREET CONTROL
FINAL	EROSION CONTROL BLANKETS, SEEDING & MULCHING, PERMANENT CONTROL MEASURE(S)

NOTES:
 1. SEE CHECK DAM (CD) DETAIL EC-12 ON SHEET ECN01 FOR SPACING.
 2. ALL EROSION CONTROL BLANKET SHALL BE INSPECTED 24-MONTHS AFTER INSTALLATION. EROSION CONTROL BLANKET MAY BE REQUIRED TO BE RE-INSTALLED PER MANUFACTURER SPECIFICATIONS.

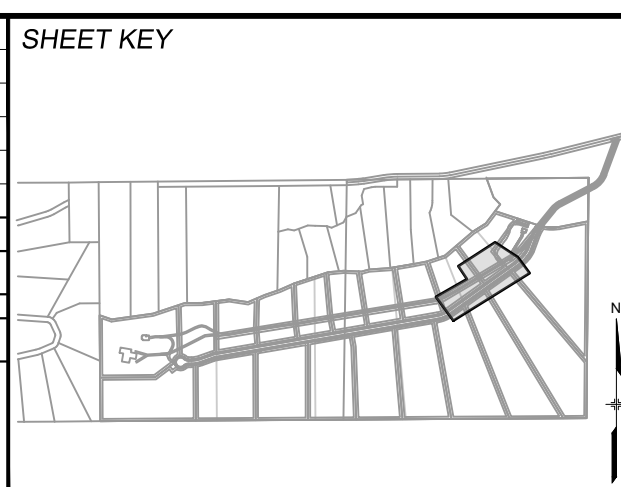
EROSION CONTROL LEGEND

SF	PERMANENT SEEDING	MU	MULCHING		EXISTING CONTOURS
SF	SILT FENCE	TSB	TEMPORARY SEDIMENT BASIN		DRAINAGE SWALE
ECB	EROSION CONTROL BLANKET	CWA	CONCRETE WASHOUT		OVERLAND FLOW
OP	OUTLET PROTECTION	SSA	STOCKPILE MANAGEMENT / STABILIZED STAGING AREA		LIMITS OF DISTURBANCE/ CONSTRUCTION SITE BOUNDARY
IP	INLET PROTECTION	HP LP	HIGH POINT / LOW POINT		PROJECT BOUNDARY LINE
VTC	VEHICLE TRACKING CONTROL		PROPOSED CONTOURS		OVERFLOW ROUTE
	PROPOSED RIP RAP		EXISTING FENCE		100 YEAR FLOODPLAIN BOUNDARY
CD	CHECK DAM		EXISTING STORM DRAIN		MATCHLINE
			PROPOSED STORM DRAIN		PROPOSED LOT/TRACT LINE
			NO BUILD ZONE (SLOPE GREATER THAN 29.99%)		EASEMENT
			PROPOSED BUILDING SETBACK		GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

PCD FILE #: SF2324

REFERENCE DRAWINGS	No.	DATE	DESCRIPTION	BY
X-TITLE-CD X-886-PR-SITE FE8A.X3 X-886-066-EX-MAP-1 X-886-ALTA-SURVEY Hay Creek SFE3 2023-02-28 TOPO 164022-01 164022-01 Hay Creek Road BMDY				
COMPUTER FILE MANAGEMENT				
FILE NAME: S:\22.886.076 Hay Creek-Forest Manor-O'Leary Properties\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01.dwg				
CTB FILE: Matrix.ctb				
PLOT DATE: 5/29/2024 9:35 AM				
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.				



BENCHMARK
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BASIS OF BEARING
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PREPARED BY:

Matrix
Excellence by Design

SEAL

FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.
 PROJECT No. 22.886.076

HAY CREEK VALLEY
 EL PASO COUNTY, COLORADO
 FINAL GRADING & EROSION CONTROL PLANS

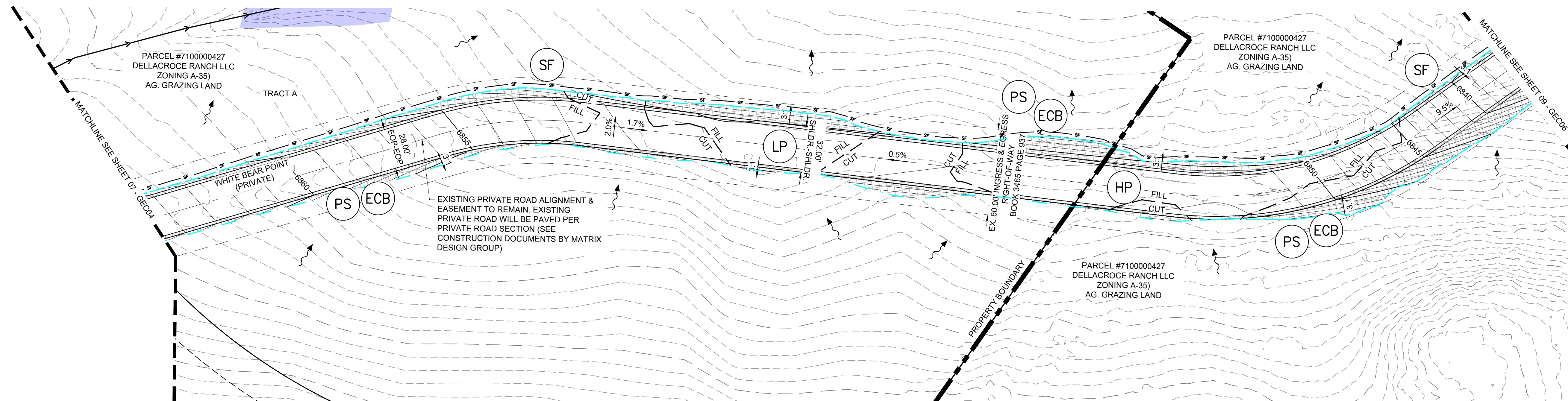
GRADING & EROSION CONTROL PLAN

DESIGNED BY: CVW	SCALE: 1" = 40'	DATE ISSUED: MAY 2024	DRAWING No. GEC04
DRAWN BY: CVW	HORIZ: 1" = 40'	SHEET 07 OF 12	
CHECKED BY: JAO	VERT: N/A		



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Call before you dig.

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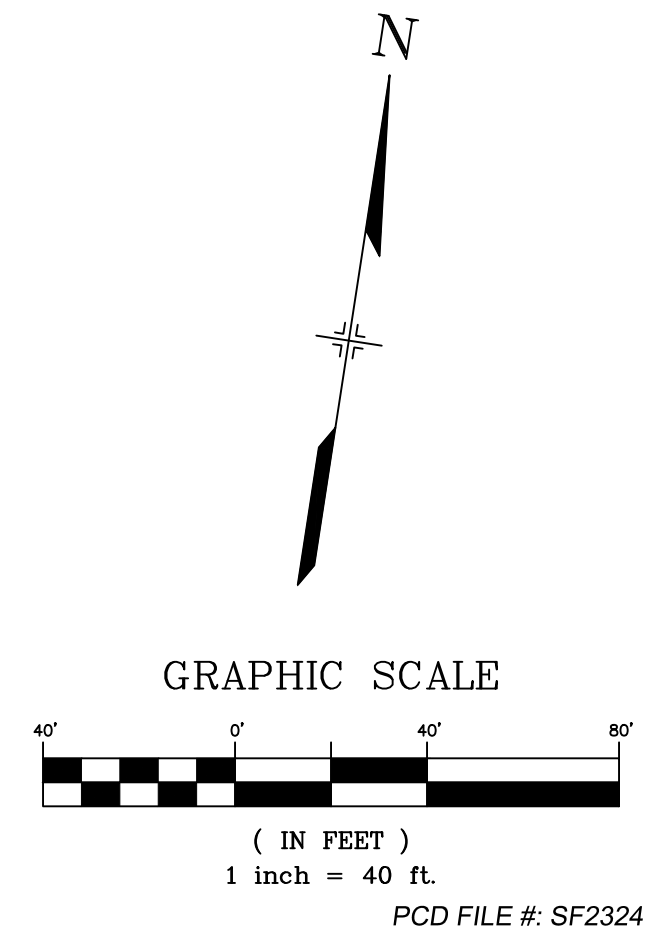


BMP SEQUENCING	
INITIAL	SILT FENCE, VEHICLE TRACKING, TEMP SEDIMENT BASINS
INTERIM	CHECK DAMS, CONCRETE WASHOUT, INLET/OUTLET PROTECTION, STOCKPILES, STAGING, ROUGH CUT STREET CONTROL
FINAL	EROSION CONTROL BLANKETS, SEEDING & MULCHING, PERMANENT CONTROL MEASURE(S)

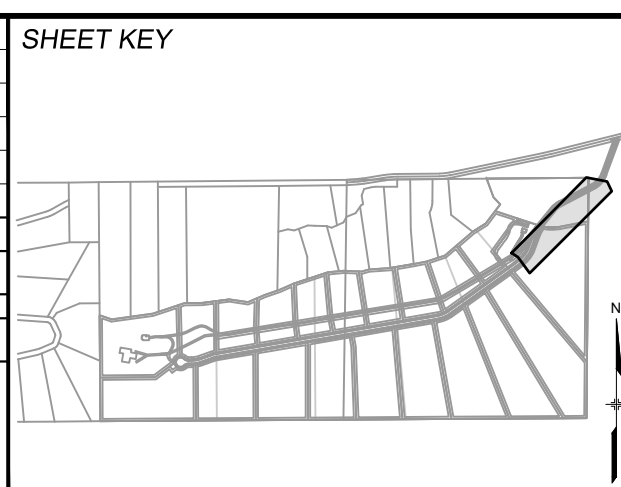
NOTES:
 1. SEE CHECK DAM (CD) DETAIL EC-12 ON SHEET ECN01 FOR SPACING.
 2. ALL EROSION CONTROL BLANKET SHALL BE INSPECTED 24-MONTHS AFTER INSTALLATION. EROSION CONTROL BLANKET MAY BE REQUIRED TO BE RE-INSTALLED PER MANUFACTURER SPECIFICATIONS.

EROSION CONTROL LEGEND

PS PERMANENT SEEDING	MU MULCHING	EXISTING CONTOURS
SF SILT FENCE	TSB TEMPORARY SEDIMENT BASIN	DRAINAGE SWALE
ECB EROSION CONTROL BLANKET	CWA CONCRETE WASHOUT	SLOPE LABEL
OP OUTLET PROTECTION	SSA STOCKPILE MANAGEMENT / STABILIZED STAGING AREA	OVERLAND FLOW
IP INLET PROTECTION	HP / LP HIGH POINT / LOW POINT	LIMITS OF DISTURBANCE / CONSTRUCTION SITE BOUNDARY
VTC VEHICLE TRACKING CONTROL	PROPOSED CONTOURS	PROJECT BOUNDARY LINE
PROPOSED RIP RAP	EXISTING FENCE	OVERFLOW ROUTE
CD CHECK DAM	EXISTING STORM DRAIN	CUT/FILL LINE
	PROPOSED STORM DRAIN	100 YEAR FLOODPLAIN BOUNDARY
	NO BUILD ZONE (SLOPE GREATER THAN 29.99 %)	MATCHLINE
		PROPOSED LOT/TRACT LINE
		EASEMENT
		PROPOSED BUILDING SETBACK



REF. NO.	DATE	DESCRIPTION	BY
COMPUTER FILE MANAGEMENT			
FILE NAME: S:\22.886.076 Hay Creek-Forest Manor-O'Leary Properties\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01.dwg			
CTB FILE: Matrix.ctb			
PLOT DATE: 5/29/2024 9:35 AM			
THIS DRAWING IS CURRENT AS OF PLOT DATE AND MAY BE SUBJECT TO CHANGE.			



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PREPARED BY:
Matrix
 Excellence by Design

SEAL

HAY CREEK VALLEY
 EL PASO COUNTY, COLORADO
 FINAL GRADING & EROSION CONTROL PLANS

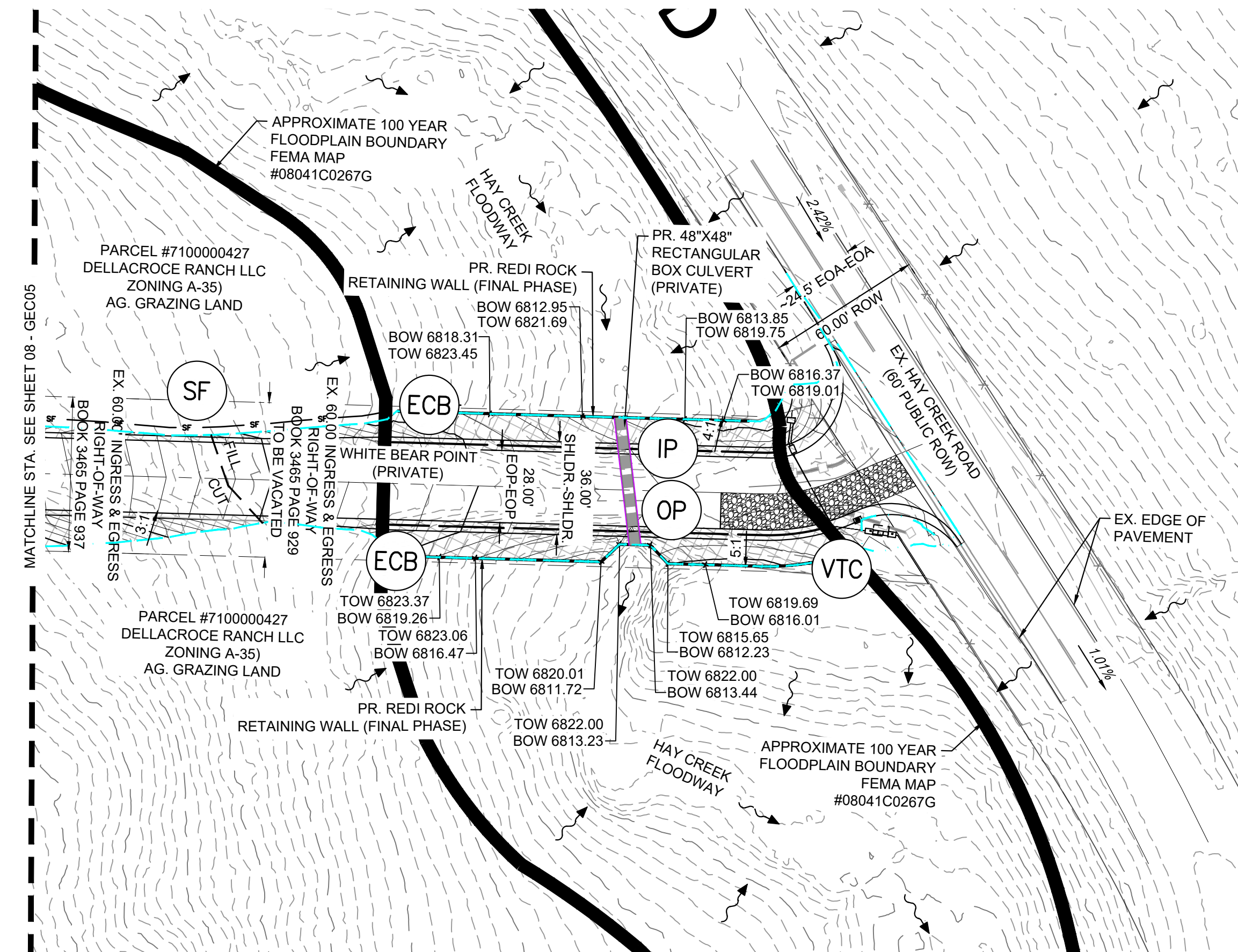
GRADING & EROSION CONTROL PLAN

DESIGNED BY: CVW	SCALE: 1" = 40'	DATE ISSUED: MAY 2024	DRAWING No. GEC05
DRAWN BY: CVW	HORIZ: N/A	SHEET 08 OF 12	
CHECKED BY: JAO	VERT: N/A		



Know what's below.
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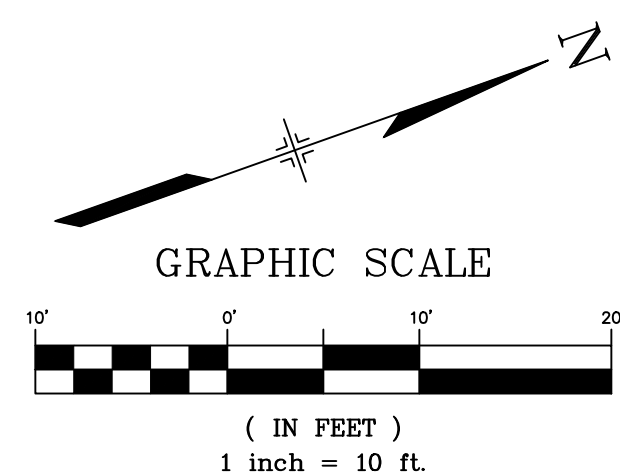
BMP SEQUENCING	
INITIAL	SILT FENCE, VEHICLE TRACKING, TEMP SEDIMENT BASINS
INTERIM	CHECK DAMS, CONCRETE WASHOUT, INLET/OUTLET PROTECTION, STOCKPILES, STAGING, ROUGH CUT STREET CONTROL
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EROSION CONTROL LEGEND

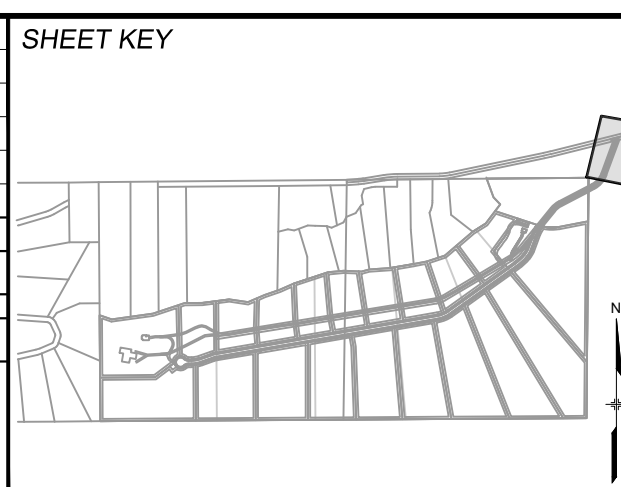
SF	PERMANENT SEEDING	MU	MULCHING
SF	SILT FENCE	TSB	TEMPORARY SEDIMENT BASIN
ECB	EROSION CONTROL BLANKET	CWA	CONCRETE WASHOUT
OP	OUTLET PROTECTION	SSA	STOCKPILE MANAGEMENT / STABILIZED STAGING AREA
IP	INLET PROTECTION	HP	HIGH POINT / LOW POINT
VTC	VEHICLE TRACKING CONTROL	LP	PROPOSED CONTOURS
CD	CHECK DAM		EXISTING FENCE
			EXISTING STORM DRAIN
			PROPOSED STORM DRAIN
			NO BUILD ZONE (SLOPE GREATER THAN 29.99 %)

	EXISTING CONTOURS
	DRAINAGE SWALE
	SLOPE LABEL
	OVERLAND FLOW
	LIMITS OF DISTURBANCE / CONSTRUCTION SITE BOUNDARY
	PROJECT BOUNDARY LINE
	OVERFLOW ROUTE
	CUT/FILL LINE
	100 YEAR FLOODPLAIN BOUNDARY
	MATCHLINE
	PROPOSED LOT/TRACT LINE
	EASEMENT
	PROPOSED BUILDING SETBACK



PCD FILE #: SF2324

REFERENCE DRAWINGS	No.	DATE	DESCRIPTION	BY
X-TITLE-CD X-886-PR-SITE FEMA_X3 X-886-066-EX-MAP-1 X-886-ALTA-SURVEY Hay Creek SFE3 2023-02-28 TOPO 164022-01 164022-01 Hay Creek Road BMDY				
COMPUTER FILE MANAGEMENT				
FILE NAME: S:\22.886.076 Hay Creek-Forest Manor-O'Leary Properties\500 CADD\504 Plan Sets\Construction Plans\GEC Plan\GEC01.dwg				
CTB FILE: Matrix.ctb				
PLOT DATE: 5/29/2024 9:35 AM				
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PREPARED BY:

Excellence by Design

SEAL

FOR AND ON BEHALF OF
 MATRIX DESIGN GROUP, INC.
 PROJECT No. 22.886.076

HAY CREEK VALLEY

EL PASO COUNTY, COLORADO
 FINAL GRADING & EROSION CONTROL PLANS

GRADING & EROSION CONTROL PLAN

DESIGNED BY: CVW	SCALE: 1" = 40'	DATE ISSUED: MAY 2024	DRAWING No. GEC06
DRAWN BY: CVW	HORIZ. N/A	SHEET 09 OF 12	
CHECKED BY: JAO	VERT. N/A		



Know what's below. Call before you dig.

Rolled Erosion Control Products (RECP) EC-6

Staking patterns are also provided in the design details according to these factors:
• ECB type
• Slope or channel type
For other types of RECPs including TRMs, these design details are intended to serve as general guidelines for design and installation; however, engineers should adhere to manufacturer's installation recommendations.
Maintenance and Removal
Inspection of erosion control blankets and other RECPs include:
1. Check for general signs of erosion, including voids beneath the mat. If voids are apparent, fill the void with suitable soil and replace the erosion control blanket, following the appropriate staking pattern.
2. Check for damaged or loose stakes and secure loose portions of the blanket.
Erosion control blankets and other RECPs that are biodegradable typically do not need to be removed after construction. If they must be removed, then an alternate soil stabilization method should be installed promptly following removal.
Turf reinforcement mats, although generally resistant to biodegradation, are typically left in place as a dense vegetated cover grows through the turf mats. The turf reinforcement mat provides long-term stability and helps the established vegetation resist erosion forces.

Table with 4 columns: Date, Title, Volume, Revision. Row 1: November 2010, Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3, RECP-5

EC-6 Rolled Erosion Control Products (RECP)

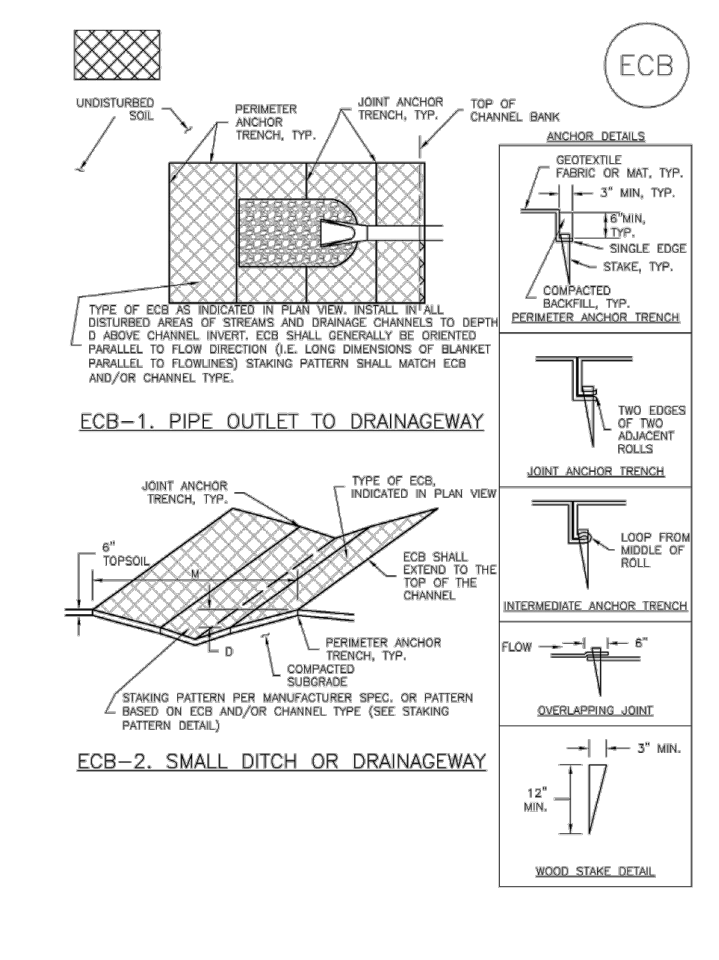


Table with 4 columns: Date, Title, Volume, Revision. Row 1: November 2010, Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3, RECP-6

Rolled Erosion Control Products (RECP) EC-6

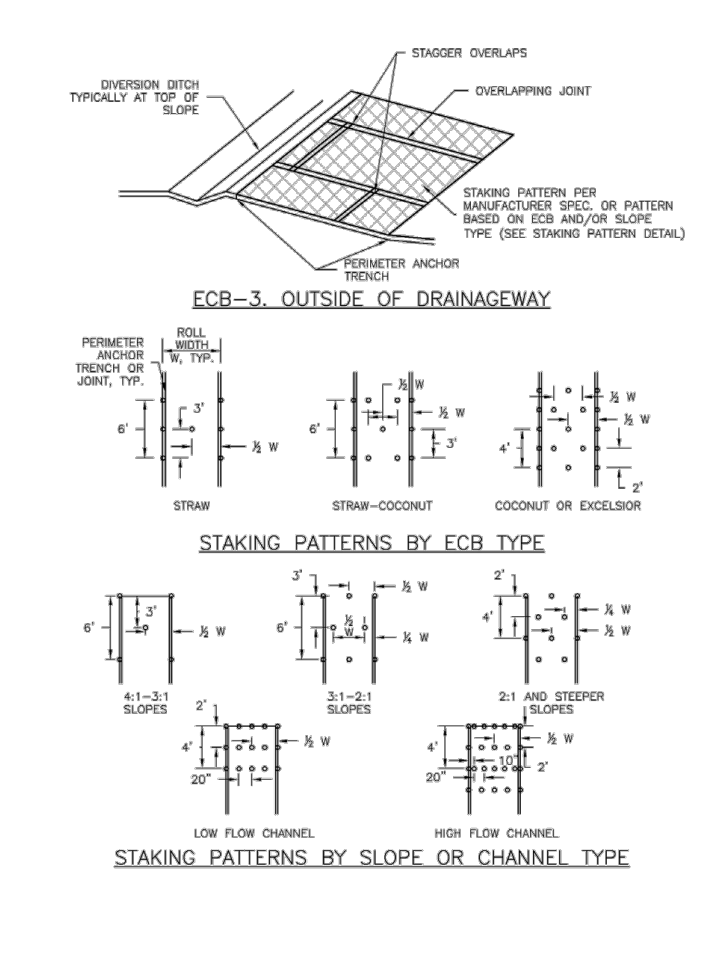


Table with 4 columns: Date, Title, Volume, Revision. Row 1: November 2010, Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3, RECP-7

EC-6 Rolled Erosion Control Products (RECP)

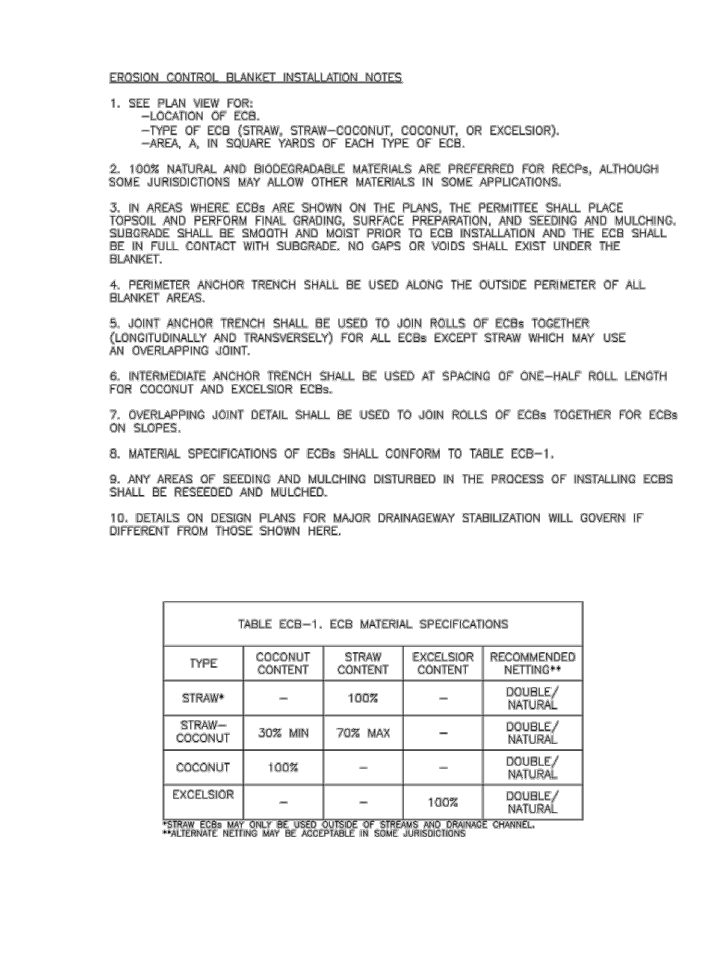


Table with 4 columns: Date, Title, Volume, Revision. Row 1: November 2010, Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3, RECP-8

Rolled Erosion Control Products (RECP) EC-6

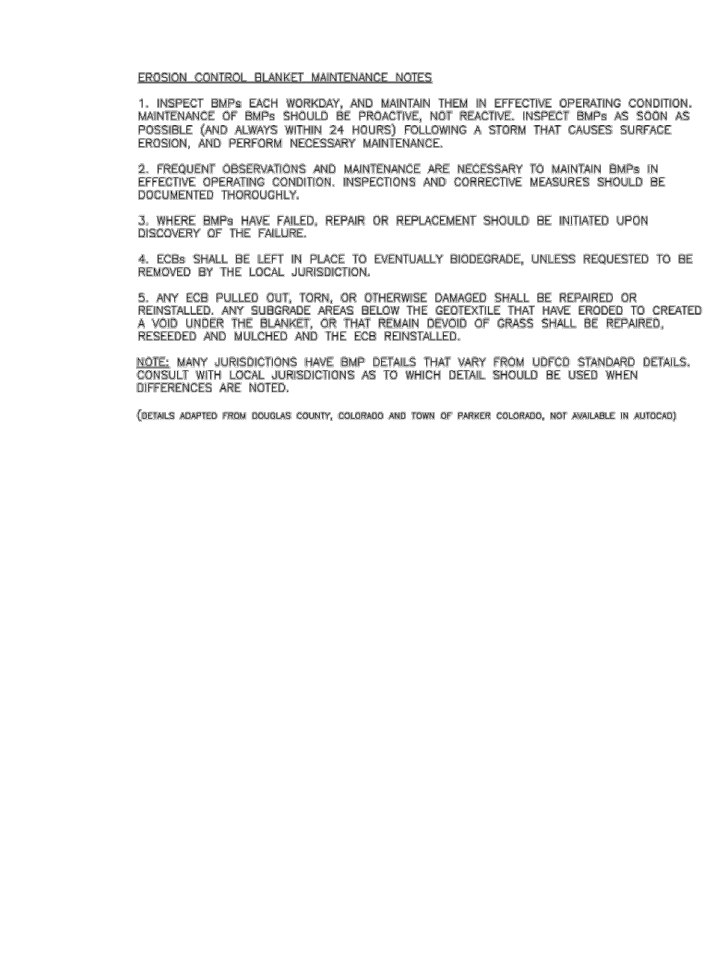


Table with 4 columns: Date, Title, Volume, Revision. Row 1: November 2010, Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3, RECP-9

EC-8 Temporary Outlet Protection (TOP)

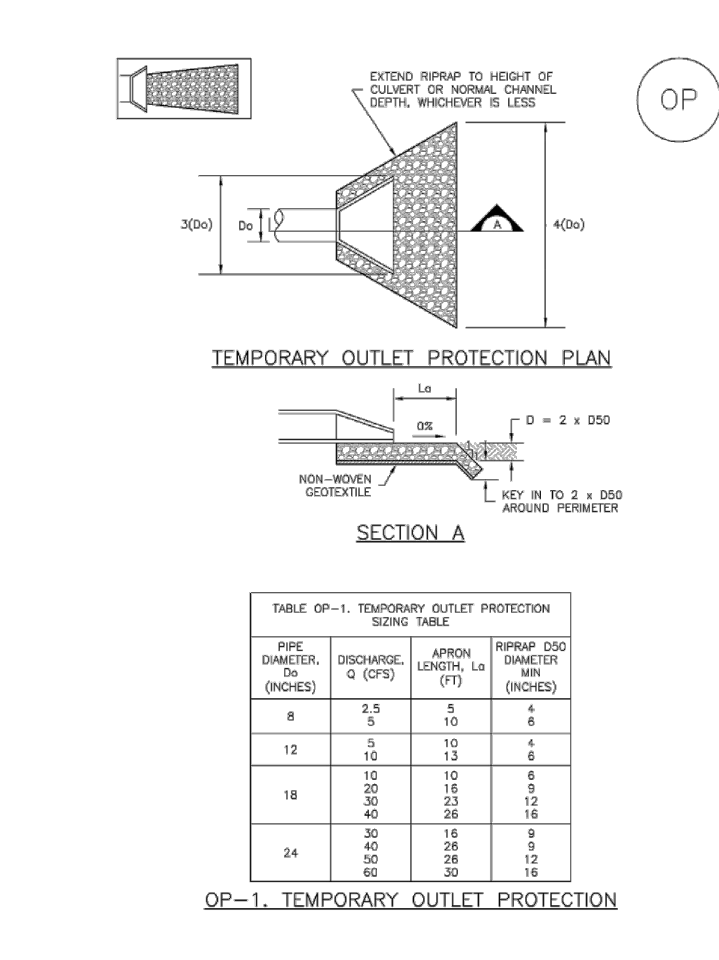


Table with 4 columns: Date, Title, Volume, Revision. Row 1: November 2010, Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3, TOP-2

Temporary Outlet Protection (TOP) EC-8

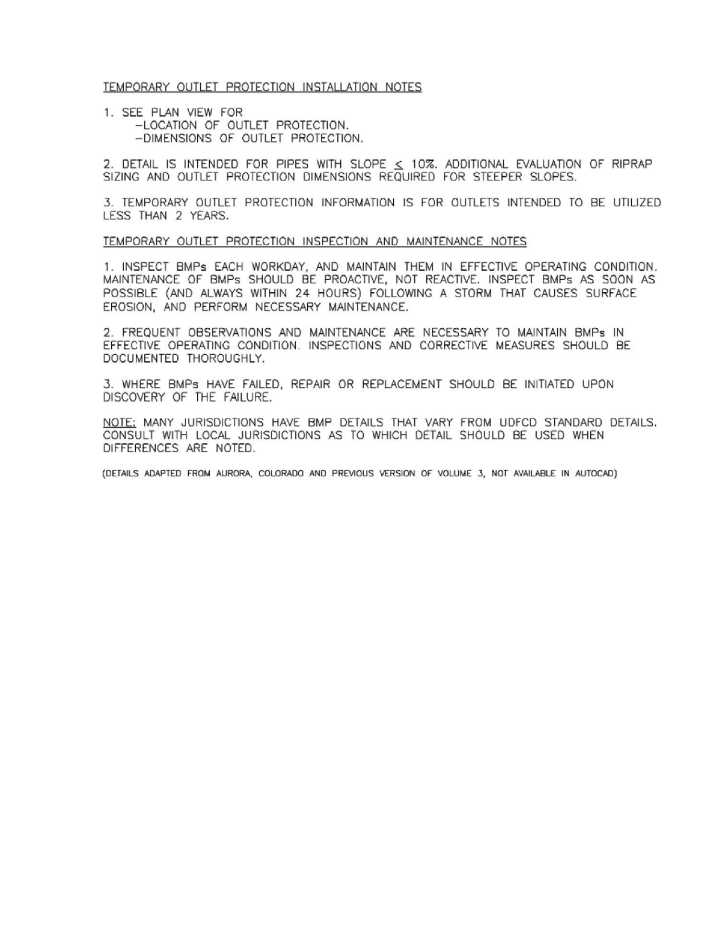


Table with 4 columns: Date, Title, Volume, Revision. Row 1: November 2010, Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3, TOP-3

EC-9 Rough Cut Street Control (RCS)

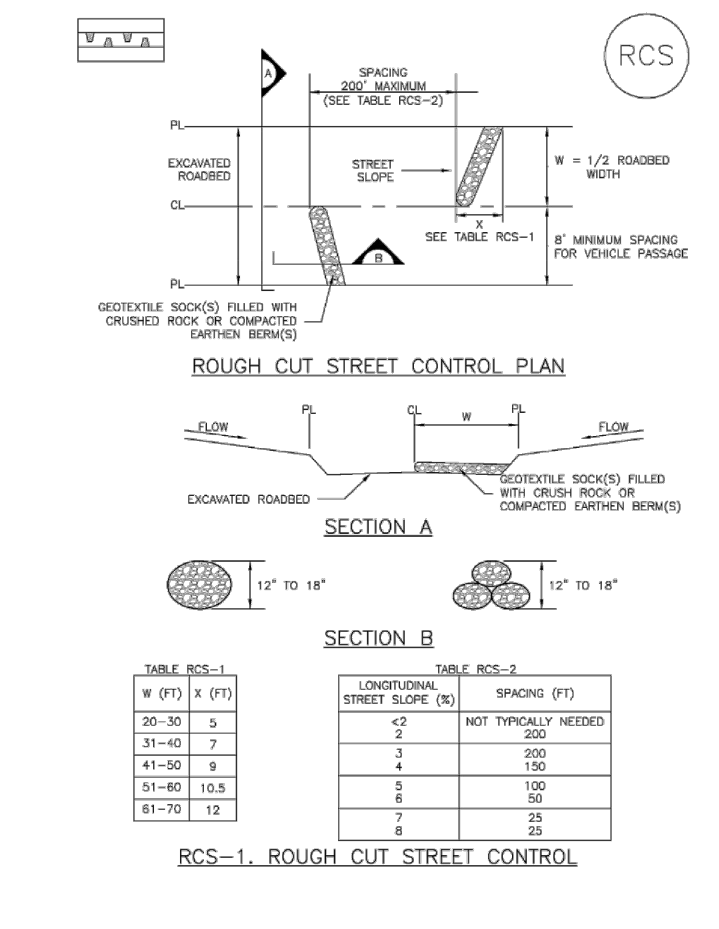


Table with 4 columns: Date, Title, Volume, Revision. Row 1: November 2010, Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3, RCS-2

Rough Cut Street Control (RCS) EC-9

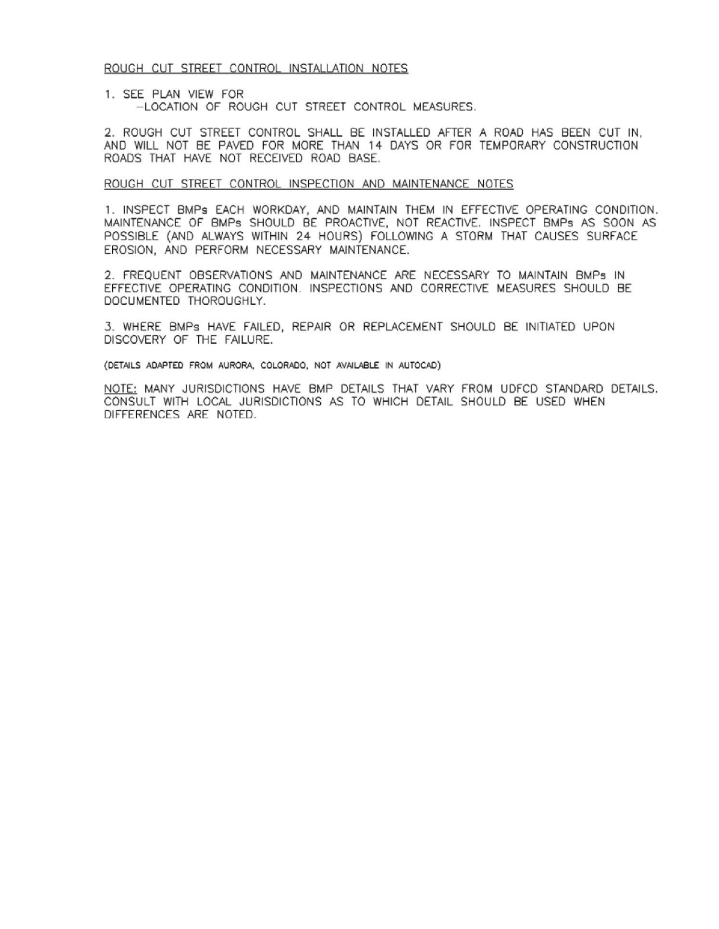


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Concrete Washout Area (CWA) MM-1

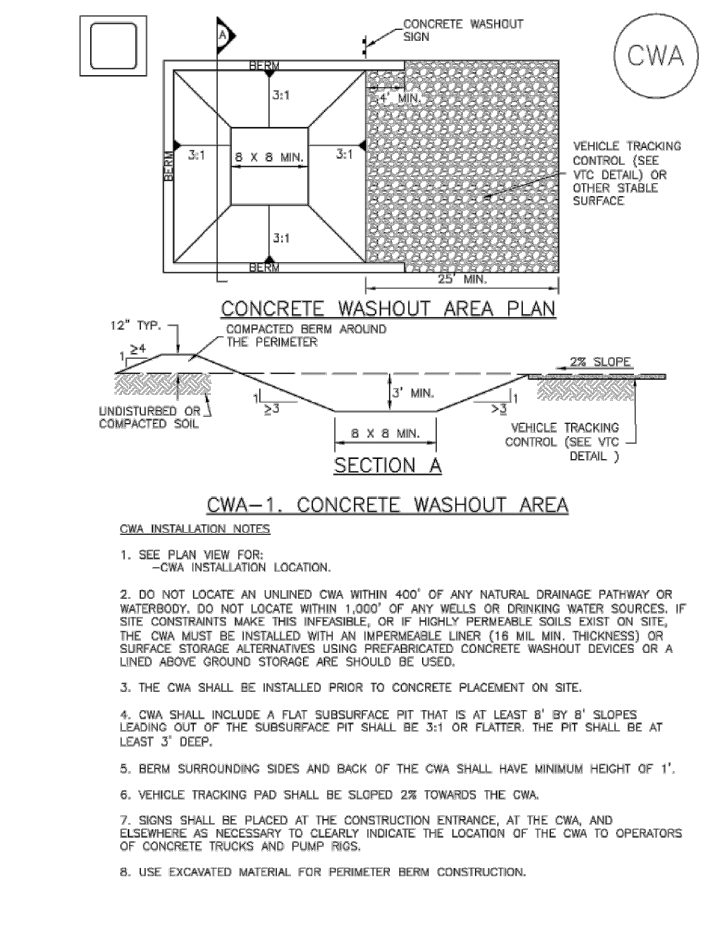


Table with 4 columns: Date, Title, Volume, Revision. Row 1: November 2010, Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3, CWA-3

MM-1 Concrete Washout Area (CWA)

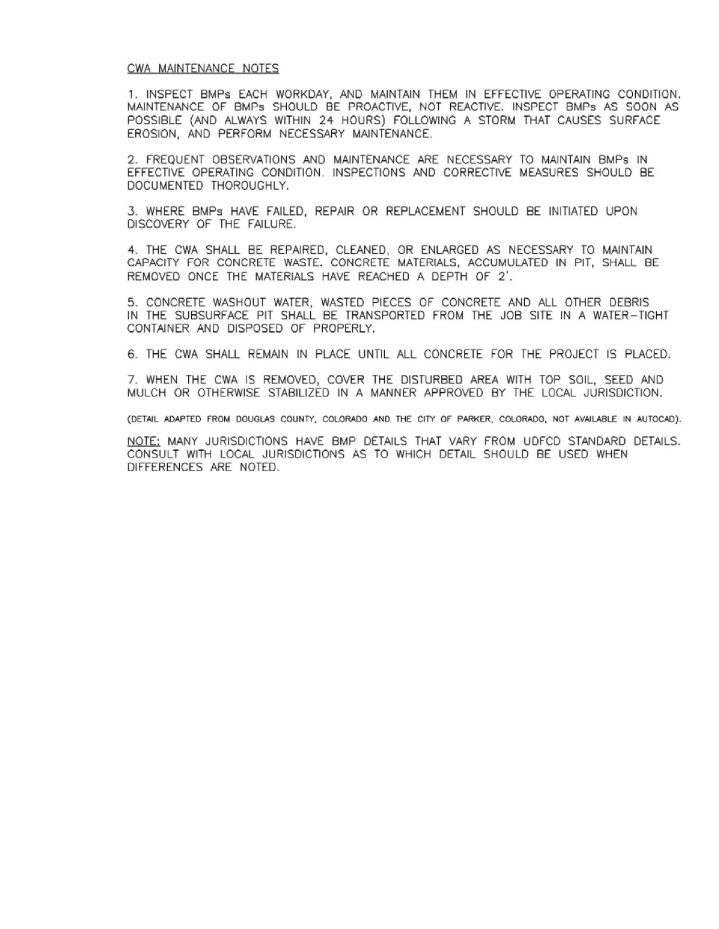


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Check Dams (CD) EC-12

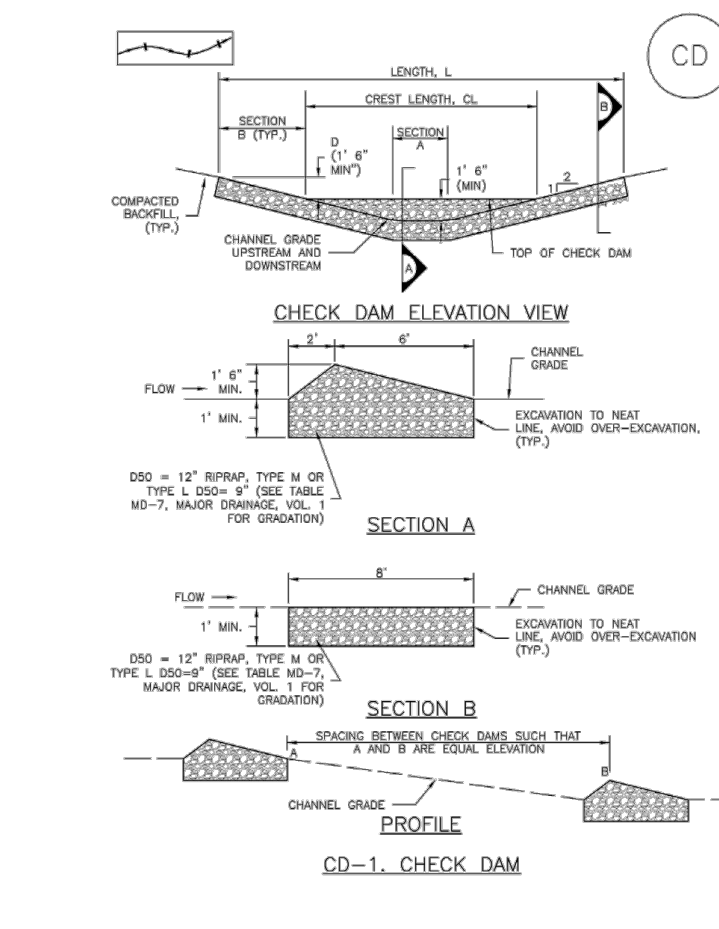


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EC-12 Check Dams (CD)

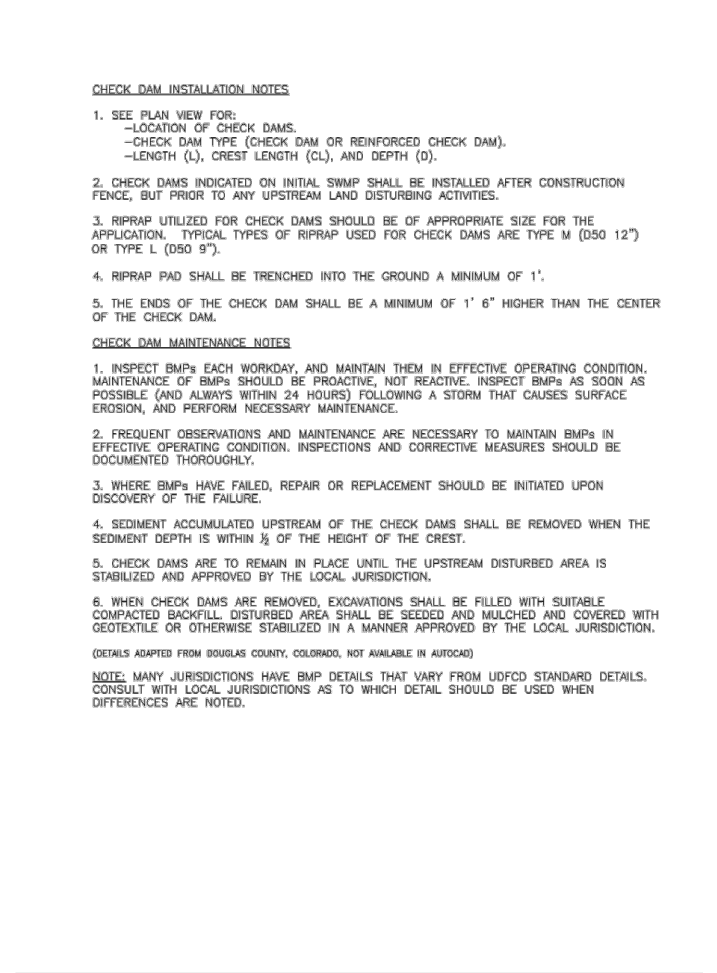


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Check Dams (CD) EC-12

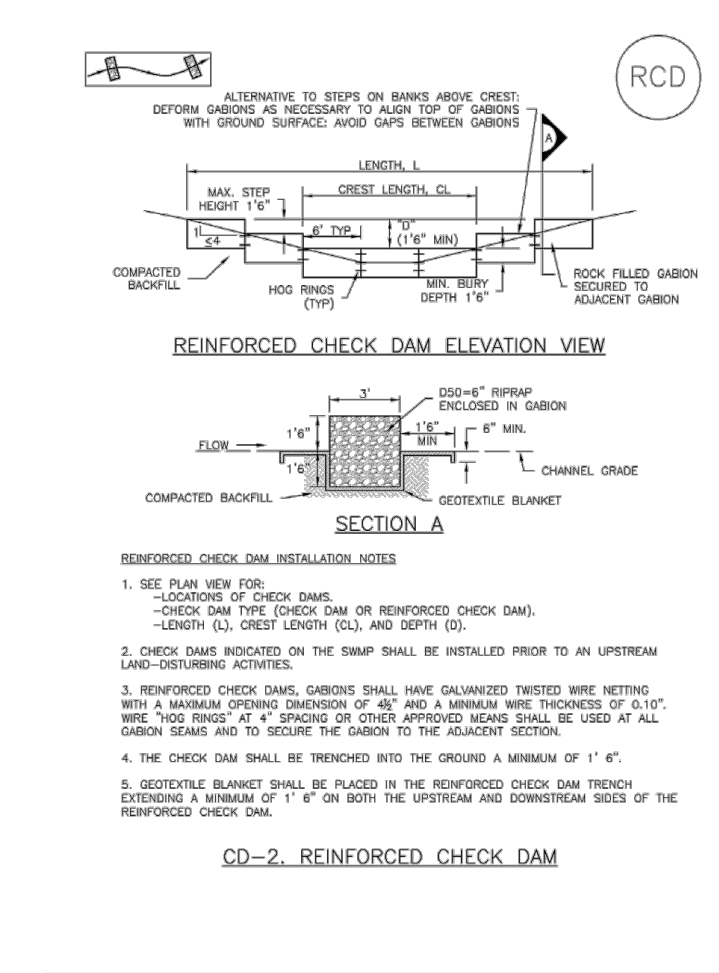


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EC-12 Check Dams (CD)

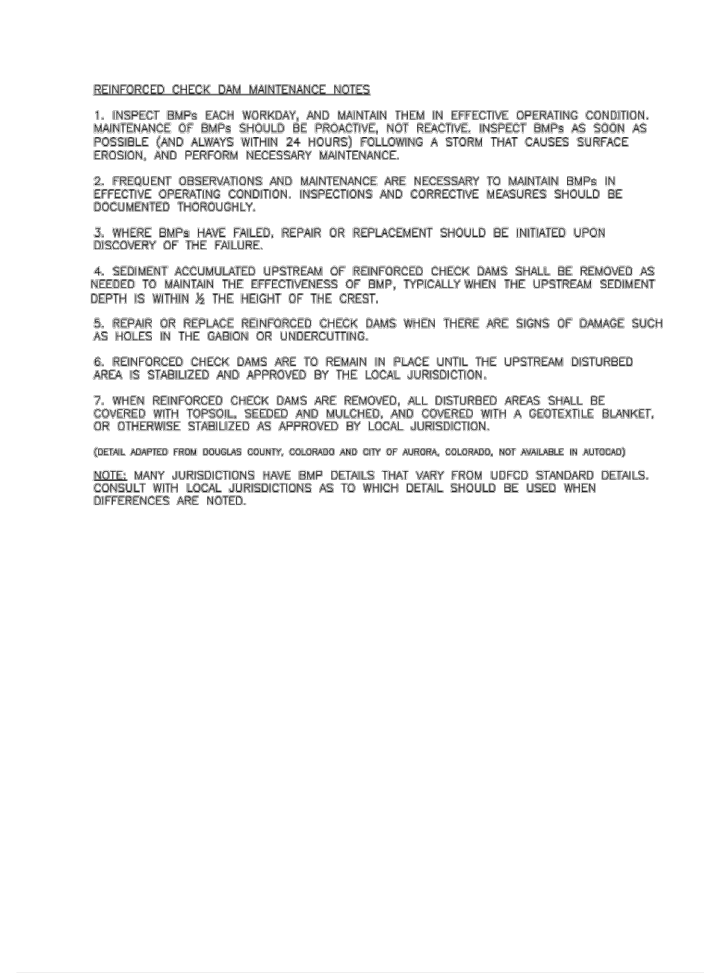


Table with 4 columns: Date, Title, Volume, Revision. Row 1: November 2010, Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3, CD-6

Silt Fence (SF) SC-1

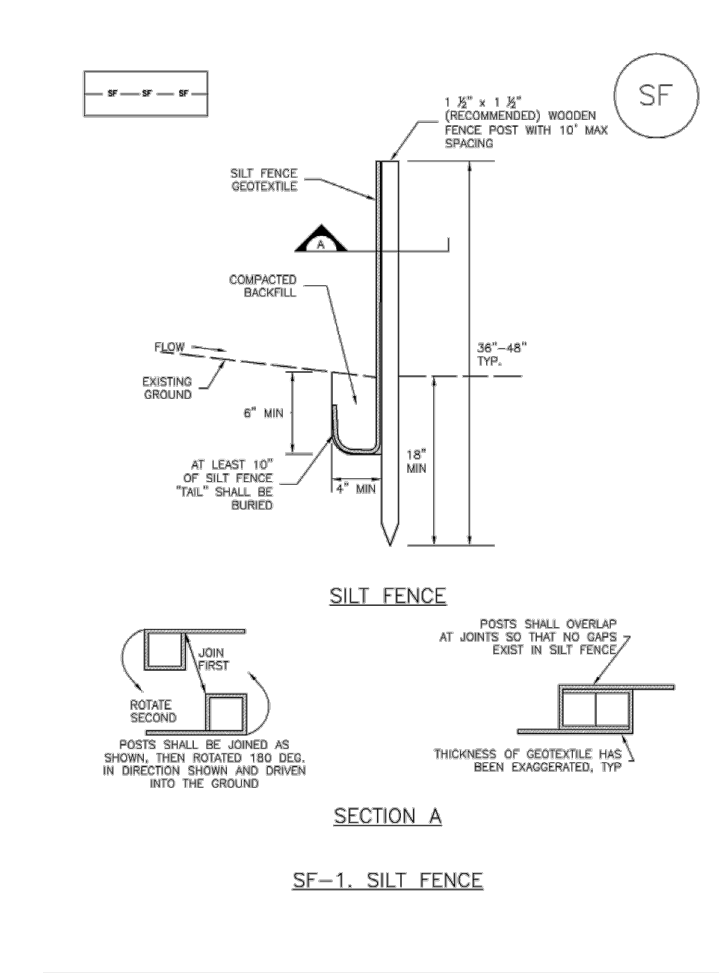


Table with 4 columns: Date, Title, Volume, Revision. Row 1: November 2010, Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3, SF-3

SC-1 Silt Fence (SF)

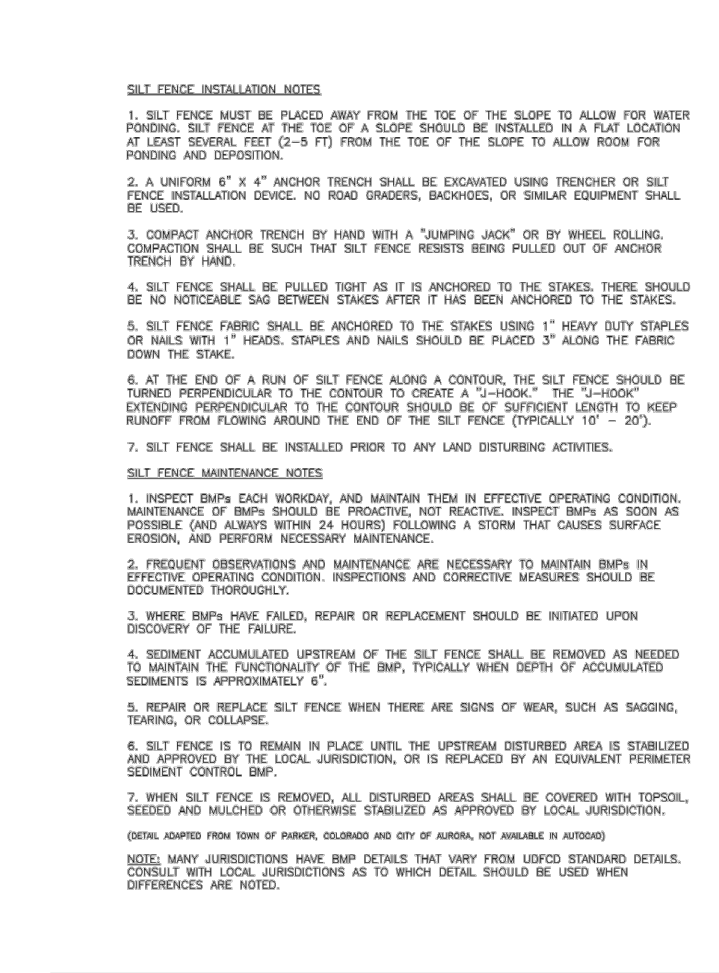
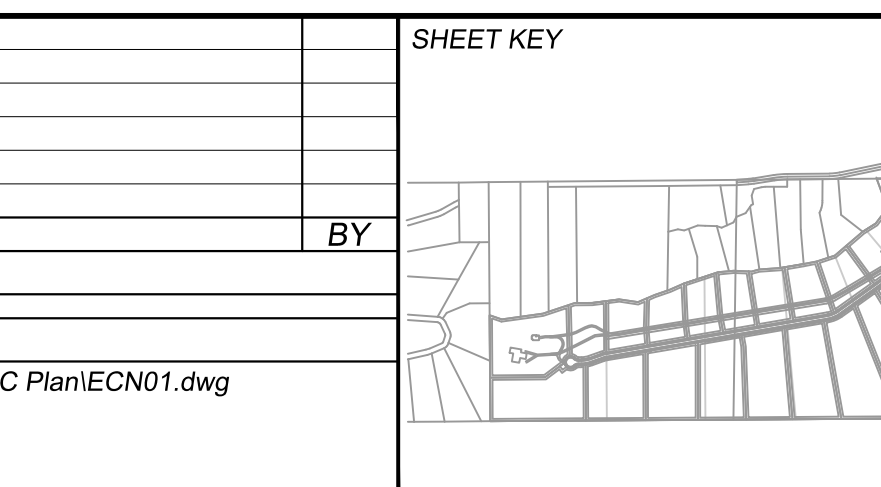


Table with 4 columns: Date, Title, Volume, Revision. Row 1: November 2010, Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3, SF-4

REFERENCE DRAWINGS table with columns: No., DATE, DESCRIPTION, REVISIONS.

COMPUTER FILE MANAGEMENT table with columns: FILE NAME, CTB FILE, PLOT DATE.



BENCHMARK PROJECT ELEVATIONS ARE NAVD 88 ELEVATIONS BASED ON AN OPUS DERIVED ELEVATION ON CONTROL POINT 10, A NO. 5 REBAR HAVING AN ELEVATION OF 5769.92.
BASIS OF BEARING THE SOUTH LINE OF THE NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 15 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MONUMENTED ON THE EASTERLY END BY A 2-1/2" ALUMINUM CAP STAMPED "NOLTE PL252955 C1/4 S22 T165, R65W 1999," AND THE WESTERLY END BY A2-1/2" ALUMINUM CAP STAMPED "SSS PLS 16154 1/4 S21 S22 T165, R65W 2000," BEING ASSUMED TO BEAR S89°54'42"W, A DISTANCE OF 2,627.78 FEET.

Matrix logo and text: EXCELLENCE BY DESIGN

Colorado Licensed Professional Engineer seal for Jeffrey A. Jones, No. 16265, dated 05/28/2024.

HAY CREEK VALLEY EL PASO COUNTY, COLORADO FINAL GRADING & EROSION CONTROL PLANS DETAILS. Includes table for SCALE, DATE ISSUED, DRAWN BY, CHECKED BY.

