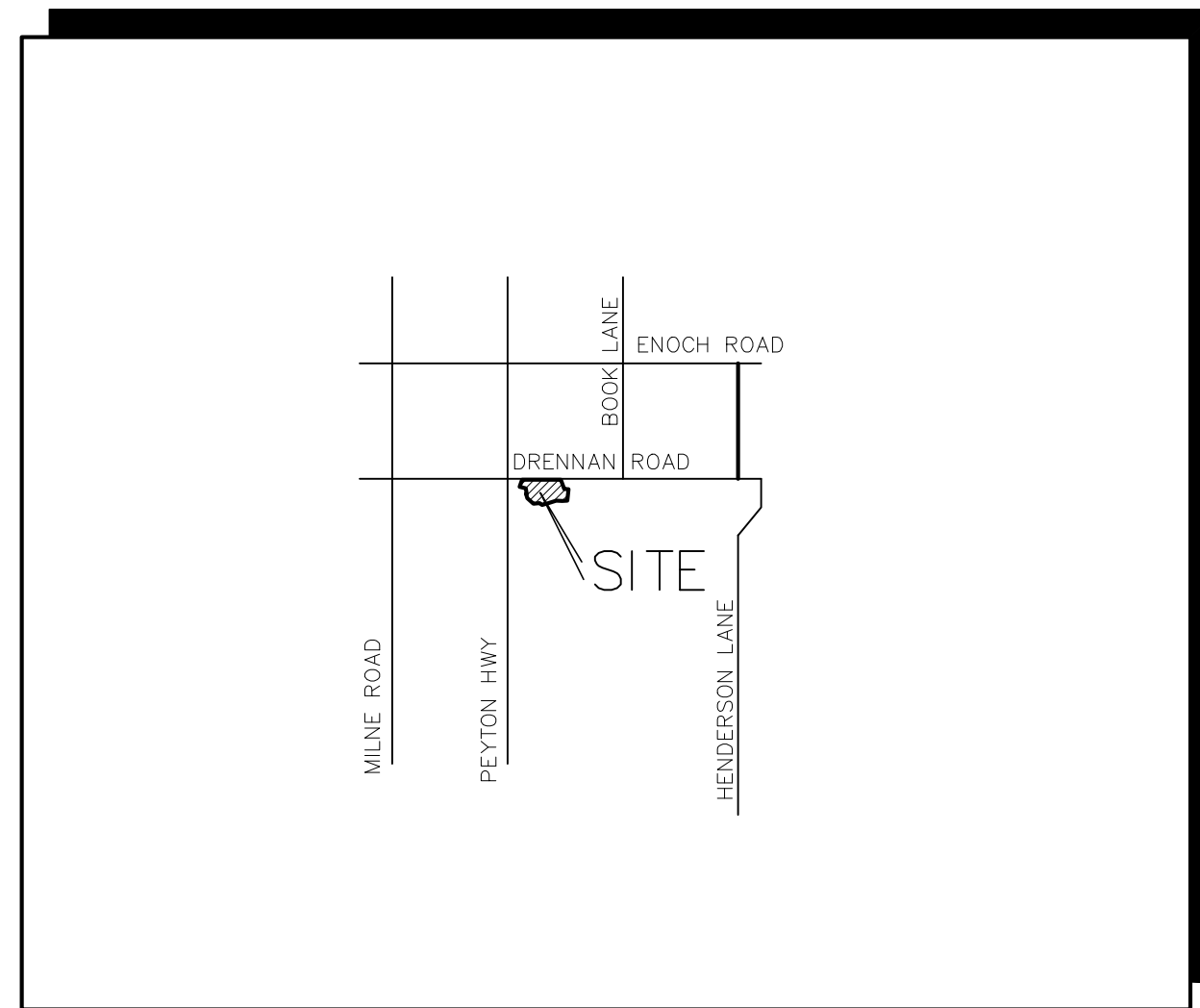


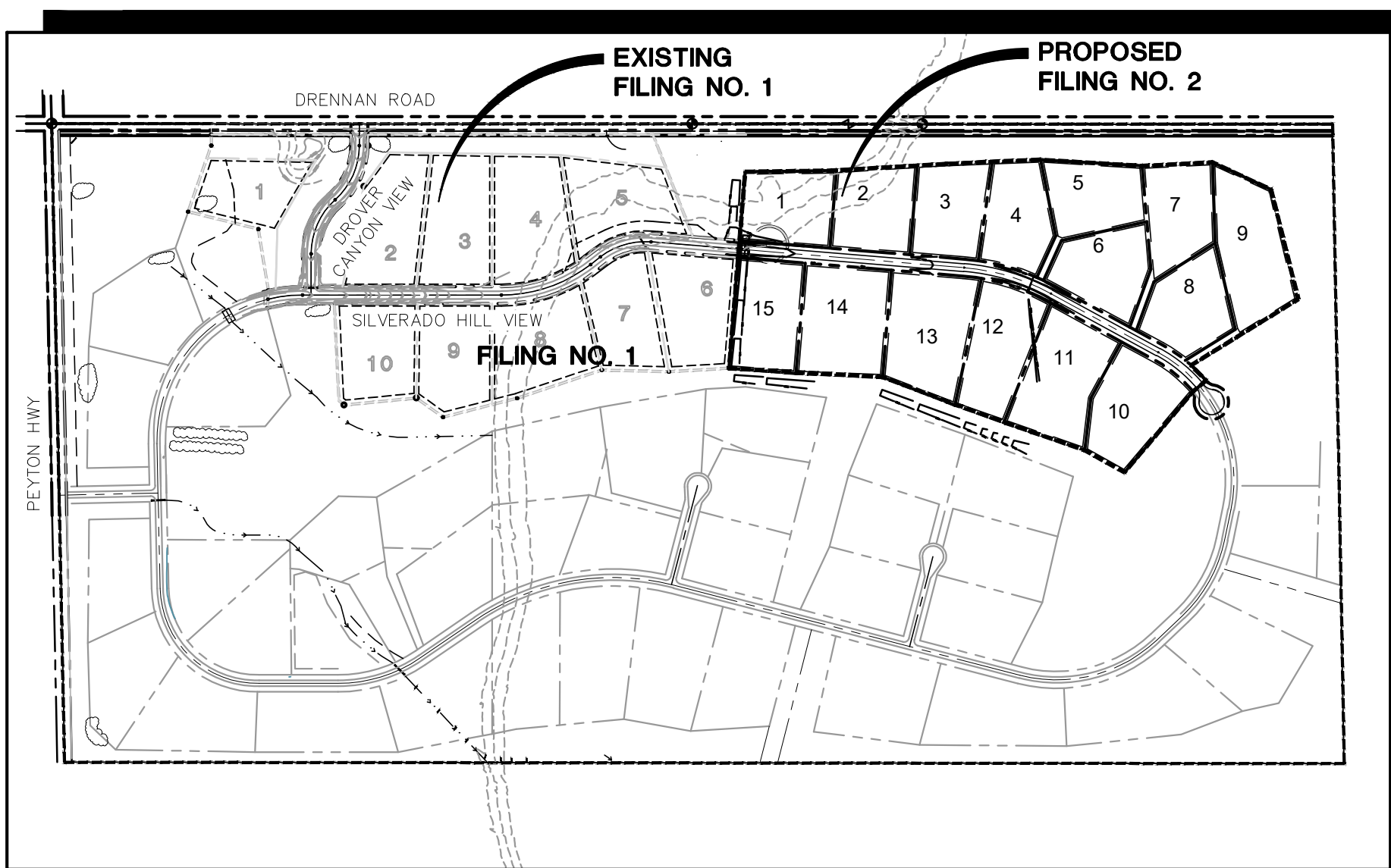
SILVERADO RANCH FILING NO. 2

Grading & Erosion Control Plans

El Paso County, Colorado



VICINITY MAP
NOT TO SCALE



SITE MAP
NOT TO SCALE

NOTE: 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 TO BE ACCEPTABLE.

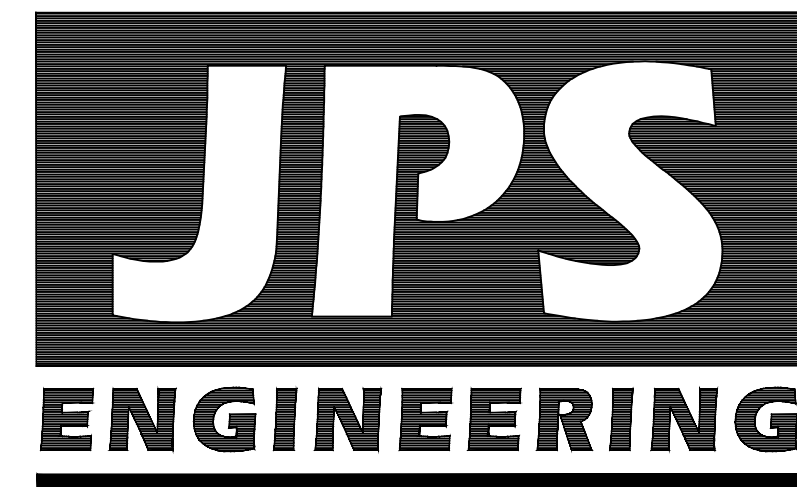
BASIS OF BEARING:
THE BASIS OF BEARING FOR THIS SUBDIVISION IS THE NORTH LINE OF SECTION 16, S89°58'39"E 5277.00' FROM THE NORTHWEST CORNER SECTION 16 TO THE NORTHEAST CORNER OF SECTION 16.

◆ **BENCHMARK:**
USGS BRASS CAP 11 AJK 5752
LOCATED IN THE N.W. CORNER OF
THE INTERSECTION OF ELLICOTT
HIGHWAY AND DRENNAN ROAD
ELEV = 5755.00-NAVD 88

PREPARED FOR:

SILVERADO RANCH, INC.
18911 Cherry Springs Ranch Drive
Monument, Colorado 80132

PREPARED BY:



19 East Willamette Avenue
Colorado Springs, Colorado 80903
January, 2024

AGENCIES/CONTACTS

DEVELOPER:	SILVERADO RANCH, INC. 18911 CHERRY SPRINGS RANCH DRIVE MONUMENT, CO 80132 MR. STAN SEARLE (719) 481-3735	GAS DEPARTMENT:	BLACK HILLS ENERGY MR. SEBASTIAN SCHWENDER (719) 359-3176
CIVIL ENGINEER:	JPS ENGINEERING, INC. 19 E. WILLAMETTE AVENUE COLORADO SPRINGS, CO 80903 MR. JOHN P. SCHWAB, P.E. (719) 477-9429	ELECTRIC DEPARTMENT:	MOUNTAIN VIEW ELECTRIC ASSOCIATION 11140 E. WOODMEN ROAD COLORADO SPRINGS, CO 80908 MR. DAVE WALDNER (719) 495-2283
LOCAL ROADS & DRAINAGE:	EL PASO COUNTY PCD 2880 INTERNATIONAL CIRCLE COLORADO SPRINGS, CO 80910 (719) 520-7877	TELEPHONE COMPANY:	QWEST COMMUNICATIONS (LOCATORS) (800) 922-1987 A.T. & T. (LOCATORS) (719) 635-3674
		FIRE DEPARTMENT:	ELLICOTT FIRE DISTRICT FIRE MARSHAL (719) 683-7323

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 LIABILITY CAUSED BY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATING THIS PLAN.

JOHN P. SCHWAB, P.E. #29891 _____ DATE _____

OWNER / DEVELOPER'S STATEMENT:

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

SILVERADO RANCH, INC. _____ DATE _____
18911 CHERRY SPRINGS RANCH DRIVE
MONUMENT, COLORADO 80132

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. 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 DEVELOPEMENT DIRECTORS DISCRETION.

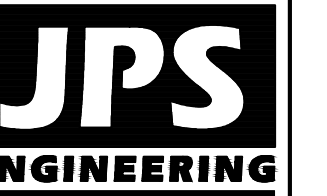
JOSHUA PALMER, P.E. _____ DATE _____
COUNTY ENGINEER / ECM ADMINISTRATOR

SHEET INDEX

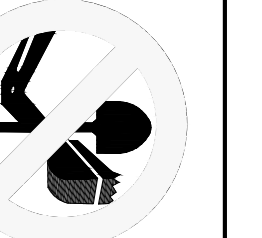
C1.0	GEC TITLE SHEET
TY1	TYPICAL SECTIONS & DETAILS
C1	OVERALL SITE PLAN
C1.1	GRADING & EROSION CONTROL PLAN
C2.1	EROSION CONTROL NOTES & DETAILS

SILVERADO RANCH FILING NO. 2

GEC TITLE SHEET



19 E. Willamette Ave.
Colorado Springs, CO
80903
PH: 719-477-9429
FAX: 719-471-0766
www.jpsegr.com



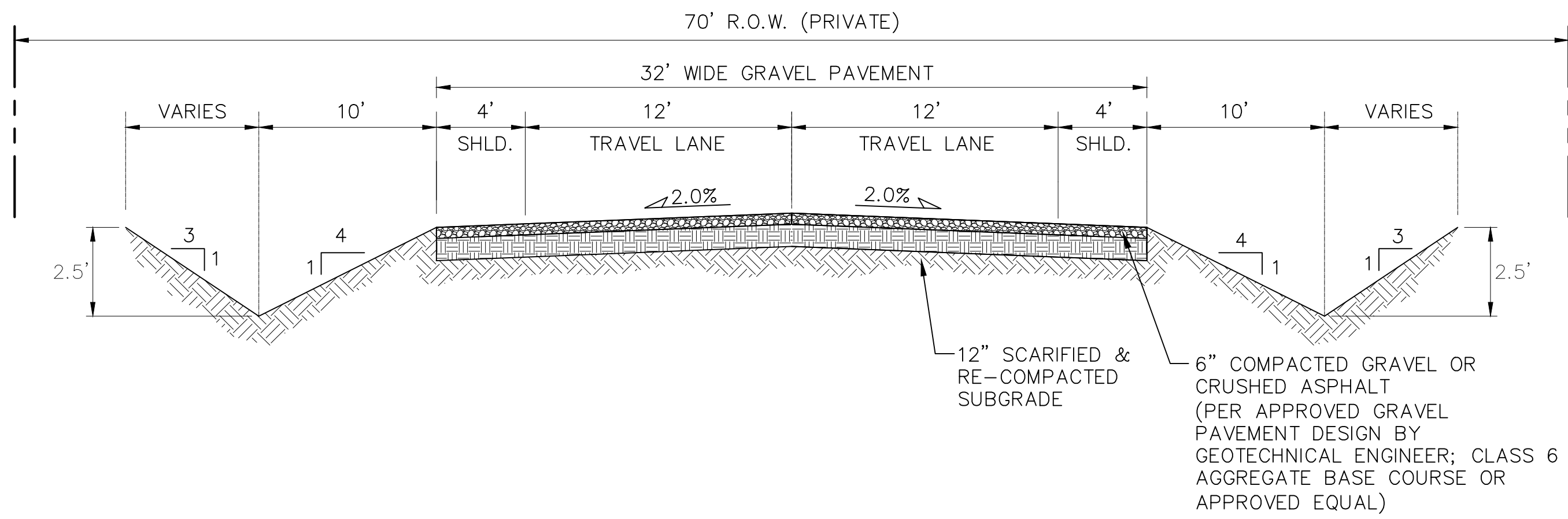
CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
TO AVOID HITTING UNDERGROUND
MEMBER UTILITIES.

No.	REVISION	BY	DATE
1	FINAL PLAT SUBMITTAL	JPS	01/31/24

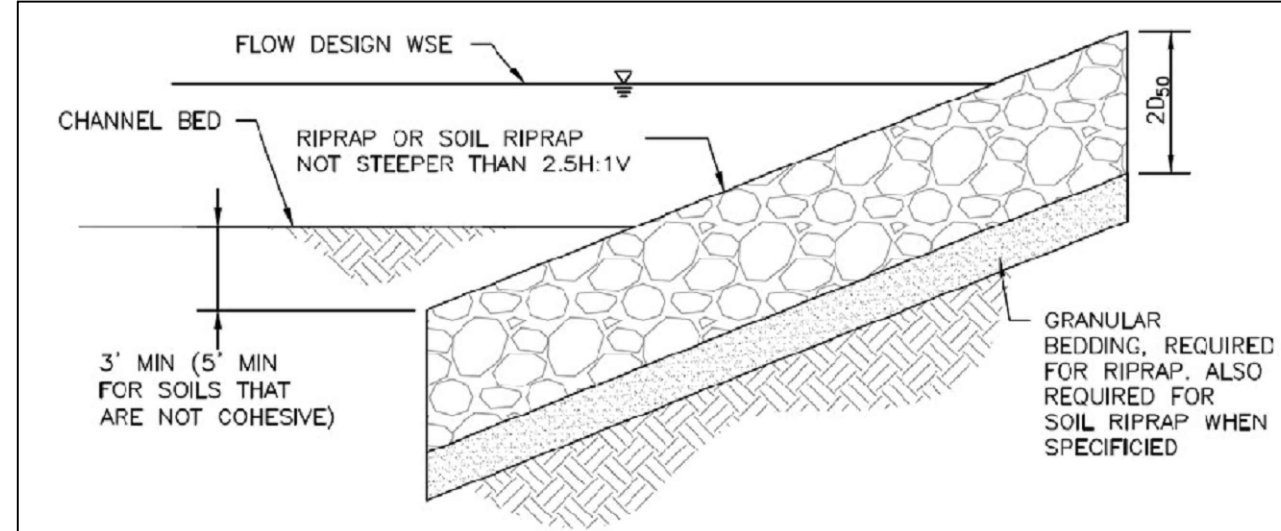
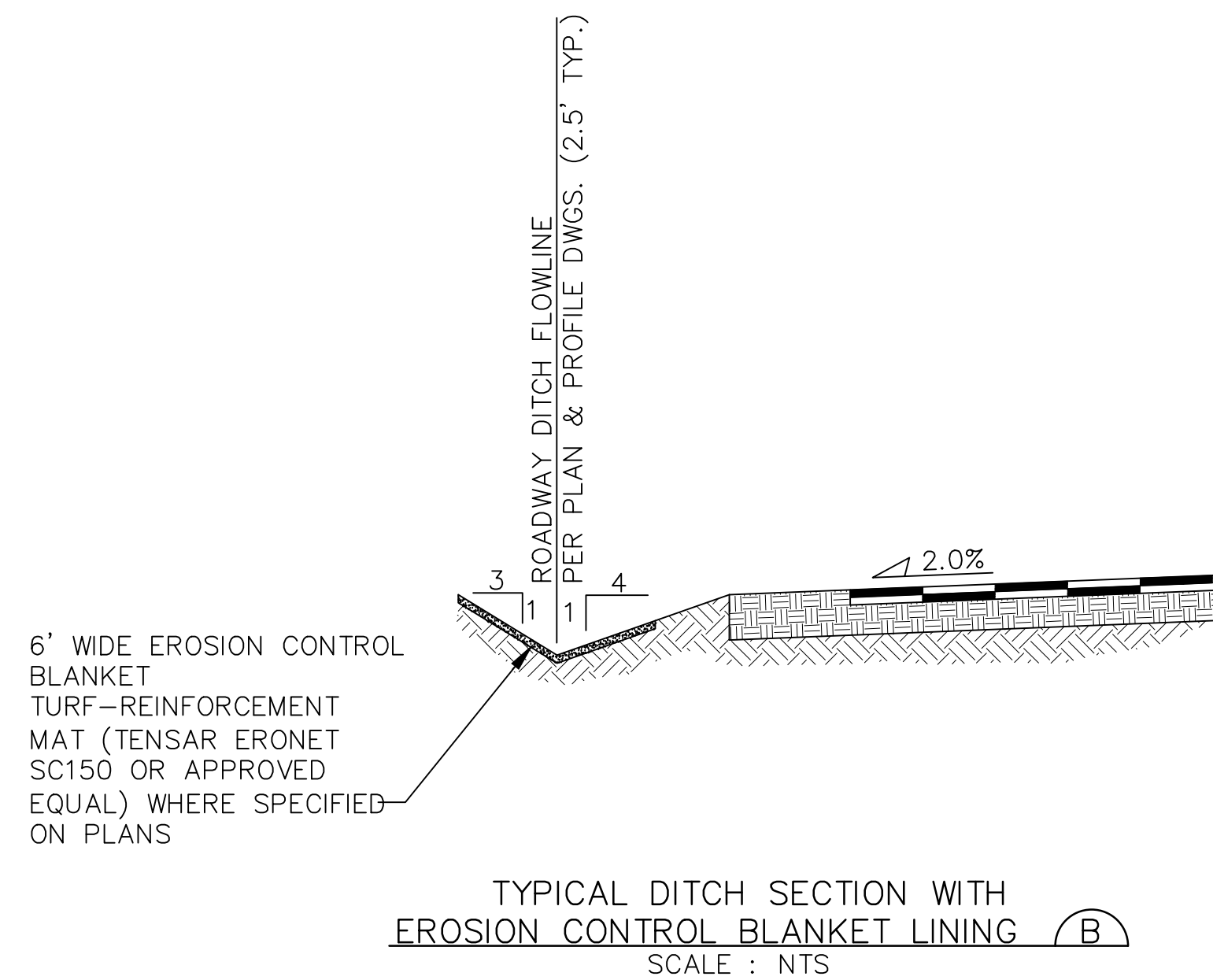
HORIZ. SCALE:	NA	DRAWN:	MSP
VERT. SCALE:	NA	DESIGNED:	JPS
SURVEYED:	LWA	CHECKED:	JPS
CREATED:	9/21/22	LAST MODIFIED:	01/31/24
PROJECT NO:	080603	MODIFIED BY:	PV

PCD FILE NO. SF-XX

C1.0



TYPICAL RURAL LOCAL ROADWAY SECTION (PRIVATE) (A)
 SCALE: 1"=5'H
 1"=2.5'V



RIPRAP DESIGNATION	% SMALLER THAN GIVEN SIZE BY WEIGHT	NTRMFOIAT/AT ROCK DIMENSION (INCHES)	D ₅₀ * (INCHES)
TYPE VL	70 - 100	12	6
	50 - 70	9	
	35 - 50	6	
	2 - 10	2	
TYPE L	70 - 100	15	9
	50 - 70	12	
	35 - 50	9	
	2 - 10	3	
TYPE M	70 - 100	21	12
	50 - 70	18	
	35 - 50	12	
	2 - 10	4	
TYPE H	70 - 100	30	18
	50 - 70	24	
	35 - 50	18	
	2 - 10	6	

Figure 8-34. Riprap and soil riprap placement and gradation (part 1 of 3)

- SOIL RIPRAP NOTES:
- ELEVATION TOLERANCES FOR THE SOIL RIPRAP SHALL BE 0.10 FEET. THICKNESS OF SOIL RIPRAP SHALL BE NO LESS THAN THICKNESS SHOWN AND NO MORE THAN 2-INCHES GREATER THAN THE THICKNESS SHOWN.
 - WHERE "SOIL RIPRAP" IS DESIGNATED ON THE CONTRACT DRAWINGS, RIPRAP VOIDS ARE TO BE FILLED WITH NATIVE SOIL. THE RIPRAP SHALL BE PRE-MIXED WITH THE NATIVE SOIL AT THE FOLLOWING PROPORTIONS BY VOLUME: 65 PERCENT RIPRAP AND 35 PERCENT SOIL. THE SOIL USED FOR MIXING SHALL BE NATIVE TOPSOIL AND SHALL HAVE A MINIMUM FINES CONTENT OF 15 PERCENT. THE SOIL RIPRAP SHALL BE INSTALLED IN A MANNER THAT RESULTS IN A DENSE, INTERLOCKED LAYER OF RIPRAP WITH RIPRAP VOIDS FILLED COMPLETELY WITH SOIL. SEGREGATION OF MATERIALS SHALL BE AVOIDED AND IN NO CASE SHALL THE COMBINED MATERIAL CONSIST PRIMARILY OF SOIL. THE DENSITY AND INTERLOCKING NATURE OF RIPRAP IN THE MIXED MATERIAL SHALL ESSENTIALLY BE THE SAME AS IF THE RIPRAP WAS PLACED WITHOUT SOIL.
 - WHERE SPECIFIED (TYPICALLY AS "BURIED SOIL RIPRAP"), A SURFACE LAYER OF TOPSOIL SHALL BE PLACED OVER THE SOIL RIPRAP ACCORDING TO THE THICKNESS SPECIFIED ON THE CONTRACT DRAWINGS. THE TOPSOIL SURFACE LAYER SHALL BE COMPACTED TO APPROXIMATELY 85% OF MAXIMUM DENSITY AND WITHIN TWO PERCENTAGE POINTS OF OPTIMUM MOISTURE IN ACCORDANCE WITH ASTM D698. TOPSOIL SHALL BE ADDED TO ANY AREAS THAT SETTLE.
 - ALL SOIL RIPRAP THAT IS BURIED WITH TOPSOIL SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO ANY TOPSOIL PLACEMENT.

U.S. STANDARD SIEVE SIZE	GRADATION FOR GRANULAR BEDDING	
	PERCENT PASSING BY WEIGHT	
	TYPE I CDOT SECT. 703.01	TYPE II CDOT SECT. 703.09 CLASS A
3 INCHES	-	90 - 100
1½ INCHES	-	-
¾ INCHES	-	20 - 90
¾ INCHES	100	-
#4	95 - 100	0 - 20
#16	45 - 80	-
#50	10 - 30	-
#100	2 - 10	-
#200	0 - 2	0 - 3

RIPRAP BEDDING

RIPRAP DESIGNATION	THICKNESS REQUIREMENTS FOR GRANULAR BEDDING		
	MINIMUM BEDDING THICKNESS (INCHES)		
	FINE-GRAINED SOILS ¹		COARSE-GRAINED SOILS ²
	TYPE I (LOWER LAYER)	TYPE II (UPPER LAYER)	TYPE II
VL (D ₅₀ = 6 IN)	4	4	6
L (D ₅₀ = 9 IN)	4	4	6
M (D ₅₀ = 12 IN)	4	4	6
H (D ₅₀ = 18 IN)	4	6	8
VH (D ₅₀ = 24 IN)	4	6	8

- NOTES:
- MAY SUBSTITUTE ONE 12-INCH LAYER OF TYPE II BEDDING. THE SUBSTITUTION OF ONE LAYER OF TYPE II BEDDING SHALL NOT BE PERMITTED AT DROP STRUCTURES. THE USE OF A COMBINATION OF FILTER FABRIC AND TYPE II BEDDING AT DROP STRUCTURES IS ACCEPTABLE.
 - FIFTY PERCENT OR MORE BY WEIGHT RETAINED ON THE #40 SIEVE.

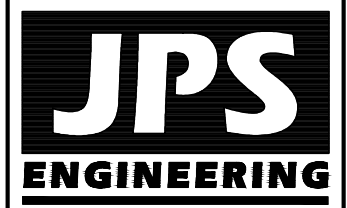
Figure 8-34. Riprap and soil riprap placement and gradation (part 3 of 3)

RIPRAP DETAILS (D)

REFER TO GENERAL NOTES ON CD SH. G2

SILVERADO RANCH FILING NO. 2

TYPICAL SECTIONS AND DETAILS



19 E. Willamette Ave.
 Colorado Springs, CO 80903
 PH: 719-477-9429
 FAX: 719-471-0766
 www.jpsengr.com

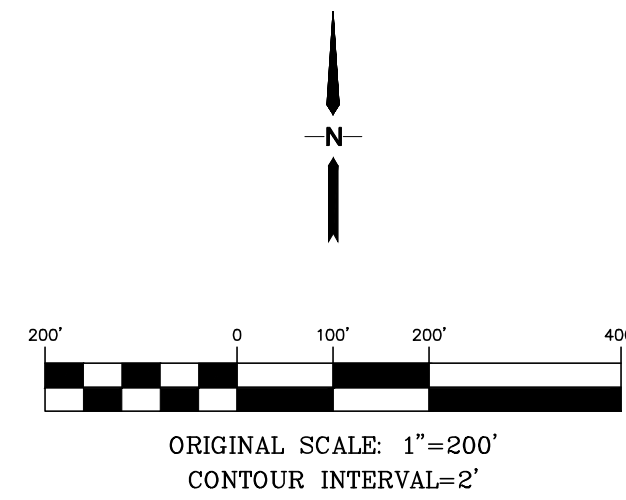


CALL UTILITY NOTIFICATION CENTER OF COLORADO
 1-800-922-1987
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE HAZARDING OF UNDERGROUND MEMBER UTILITIES.

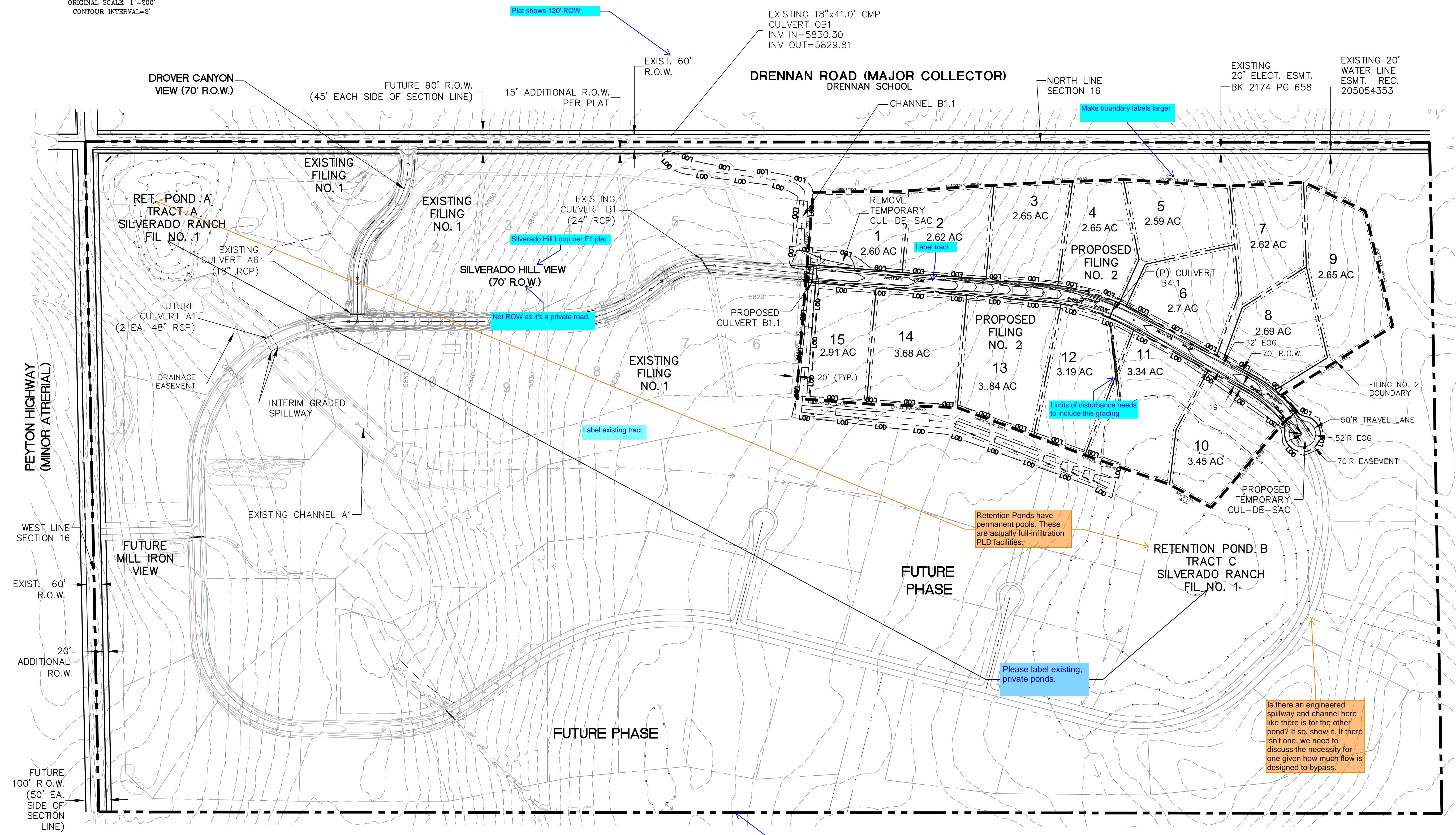
No.	REVISION	DATE
1	FINAL PLAT SUBMITTAL	01/31/24

HORZ. SCALE:	AS SHOWN	DRAWN:	PV
VERT. SCALE: <td>AS SHOWN</td> <td>DESIGNED:</td> <td>JPS</td>	AS SHOWN	DESIGNED:	JPS
SURVEYED:	LWA	CHECKED:	JPS
CREATED:	9/16/20	LAST MODIFIED:	01/23/24
PROJECT NO.:	180603	MODIFIED BY:	PV

SHEET: TY1



Add drainage flow arrows onsite and offsite.



Plat shows 120' ROW

EXISTING 18"x41.0' CMP
CULVERT 0B1
INV IN=5830.30
INV OUT=5829.81

DRENNAN ROAD (MAJOR COLLECTOR)
DRENNAN SCHOOL

EXISTING 20' ELECT. ESMT.
BK 2174 PG 658

EXISTING 20'
WATER LINE
ESMT. REC.
205054353

DROVER CANYON
VIEW (70' R.O.W.)

FUTURE 90' R.O.W.
(45' EACH SIDE OF SECTION LINE)

15' ADDITIONAL R.O.W.
PER PLAT

EXIST. 60'
R.O.W.

NORTH LINE
SECTION 16

RET. POND A
TRACT A
SILVERADO RANCH
FIL NO. 1

EXISTING FILING
NO. 1

EXISTING FILING
NO. 1

EXISTING
CULVERT B1
(24" RCP)

Silverado Hill Loop per F1 plat

SILVERADO HILL VIEW
(70' R.O.W.)

Not ROW as it's a private road.

EXISTING FILING
NO. 1

PROPOSED
CULVERT B1.1

REMOVE
TEMPORARY
CUL-DE-SAC 2
1 2.60 AC
2 2.62 AC

3 2.65 AC

4 2.65 AC

5 2.59 AC

7 2.62 AC

9 2.65 AC

PROPOSED FILING
NO. 2

(P) CULVERT
B4.1
6 2.7 AC

8 2.69 AC

15 2.91 AC

14 3.68 AC

PROPOSED FILING
NO. 2

13 3.84 AC

12 3.19 AC

11 3.34 AC

10 3.45 AC

50'R TRAVEL LANE
52'R EOG
70'R EASEMENT

RETENTION POND B
TRACT C
SILVERADO RANCH
FIL NO. 1

PEYTON HIGHWAY
(MINOR ATHERIAL)

WEST LINE
SECTION 16

EXIST. 60'
R.O.W.

20'
ADDITIONAL
R.O.W.

FUTURE
100' R.O.W.
(50' EA.
SIDE OF
SECTION
LINE)

FUTURE
MILL IRON
VIEW

EXISTING CHANNEL A1

INTERIM GRADED
SPILLWAY

FUTURE
CULVERT A1
(2 EA. 48" RCP)

EXISTING
CULVERT A6
(18" RCP)

FUTURE PHASE

FUTURE PHASE

Retention Ponds have
permanent pools. These
are actually full-infiltration
PLD facilities.

Please label existing,
private ponds.

Limits of disturbance needs
to include this grading

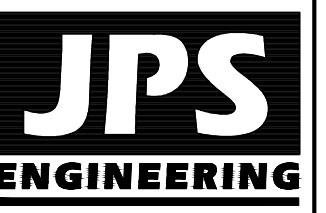
Label existing tract

Make boundary labels larger

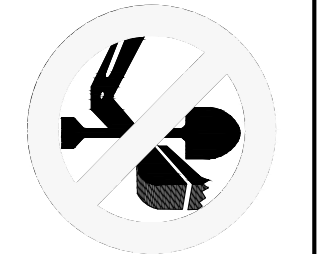
Is there an engineered
spillway and channel here
like there is for the other
pond? If so, show it. If there
isn't one, we need to
discuss the necessity for
one given how much flow is
designed to bypass.

Label overall Silverado Boundary

SILVERADO RANCH FILING NO. 2



19 E. Willamette Ave.
Colorado Springs, CO
80903
PH: 719-477-9429
FAX: 719-471-0766



CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES.

No.	REVISION	BY	DATE
1	FINAL PLAT SUBMITTAL	JPS	02/01/24

OVERALL SITE PLAN

HORIZ. SCALE: 1"=200'	DRAWN: MSP
VERT. SCALE: N/A	DESIGNED: JPS
SURVEYED: LWA	CHECKED: JPS
CREATED: 9/21/22	LAST MODIFIED: 02/01/24
PROJECT NO: 080603	MODIFIED BY: PV
SHEET:	

PCD File No. SF-23-XXX



Checklist Item V. Label all proposed temporary construction BMPs by phase of implementation (initial, interim, final).

Did you intend to show SF somewhere on the GEC Plan? I don't see any.

EROSION CONTROL LEGEND:

- SILT FENCE
- STRAW BALES
- RIPRAP
- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED SPOT ELEVATION (FLOWLINE)
- SILT FENCE
- VEHICLE TRACKING CONTROL PAD
- TEMPORARY SEED AND MULCH ON DISTURBED SLOPES
- STRAW BALE CHECK DAMS AT 300' SPACING UNLESS NOTED OTHERWISE
- SEDIMENT BASIN
- RIPRAP
- EROSION CONTROL BLANKETS (REFER TO P&P SHEETS)
- LIMITS OF DISTURBANCE

ESTIMATED EARTHWORK QUANTITY:

UNCLASSIFIED EXCAVATION (TOTAL CUT) = 18,005 CY
 * EMBANKMENT FILL = 6,593 CY
 NET (CUT) = 10,423 CY
 *(ASSUMES 15% COMPACTION FACTOR)

NOTE: THIS ESTIMATE IS PROVIDED FOR INFORMATION ONLY, REPRESENTING THE CALCULATED BULK EARTHWORK VOLUME NOT INCLUDING ANY ADJUSTMENTS FOR PAVEMENT DEPTHS. CONTRACTOR SHALL MAKE HIS OWN DETERMINATION OF EARTHWORK QUANTITIES AS BASIS FOR BID PRICING AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

GEC Checklist Items H and M. 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.

GENERAL DRAINAGE NOTES:

- INDIVIDUAL BUILDERS SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURES AND ACCOUNT FOR POTENTIAL CROSS-LOT DRAINAGE IMPACTS WITHIN EACH LOT.
- BUILDERS AND PROPERTY OWNERS SHALL IMPLEMENT & MAINTAIN EROSION CONTROL BEST MANAGEMENT PRACTICES FOR PROTECTION OF DOWNSTREAM PROPERTIES AND FACILITIES INCLUDING PROTECTION OF EXISTING GRASS BUFFER STRIPS ALONG THE DOWNSTREAM PROPERTY BOUNDARIES.

GEC Checklist Item "P" - identify areas of cut and fill.

Add a general note: all areas to be vegetated with seeding should also be temporarily stabilized via surface roughening or some other means.

KEYED NOTES:

- CONTRACTOR MAY WASTE EXCESS CUT MATERIAL OR BORROW SUITABLE FILL MATERIAL FROM THIS AREA. MATCH INTO EXISTING GRADES WITH 3:1 MAX CUT AND FILL SLOPES AND MAINTAIN POSITIVE DRAINAGE IN ALL AREAS.
- TOPSOIL STOCKPILE AREA

CONTROL MEASURE NOTES:

- EXISTING VEGETATION CONSISTS OF NATIVE GRASSES
- NO DEDICATED ASPHALT OR CONCRETE BATCH PLANTS ARE PLANNED ON SITE
- CONTRACTOR SHALL UPDATE AND ANNOTATE THE SWMP MAPS TO SHOW THE LOCATION OF THE CONSTRUCTION TRAILER, STABILIZED STAGING AREA, CWA AND OTHER ITEMS AS THESE LOCATIONS ARE DETERMINED ON SITE.

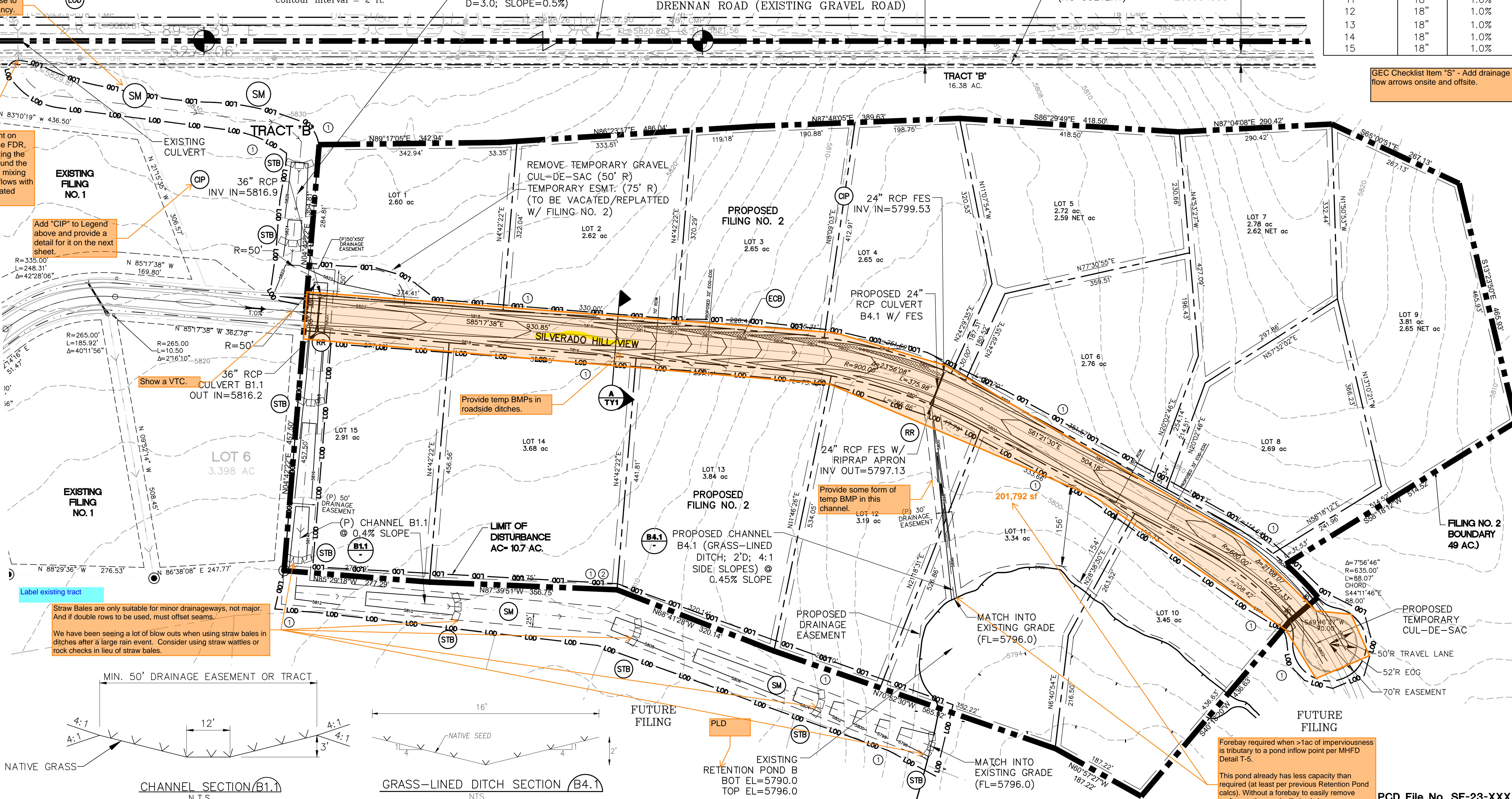
CONTROL MEASURE (CM)

- PHASING**
- INITIAL CM'S
 - INSTALL VTC
 - INSTALL SILT FENCE
 - INTERIM CM'S
 - STRAW BALE CHECK DAMS
 - FINAL CM'S
 - RIPRAP APRONS
 - SEEDING

DRIVEWAY CULVERT TABLE

LOT NO.	SIZE (DIA.)	MIN. SLOPE
1	18"	1.0%
2	18"	1.0%
3	18"	1.0%
4	18"	1.0%
5	18"	1.0%
6	18"	1.0%
7	18"	1.0%
8	18"	1.0%
9	18"	1.0%
10	18"	1.0%
11	18"	1.0%
12	18"	1.0%
13	18"	1.0%
14	18"	1.0%
15	18"	1.0%

GEC Checklist Item "S" - Add drainage flow arrows onsite and offsite.



SM or TM? Revise to remove discrepancy.

Per my comment on PDF pg 13 of the FDR, consider re-routing the offsite flows around the pond to prevent mixing of clean offsite flows with needs-to-be-treated roadway runoff.

Add "CIP" to Legend above and provide a detail for it on the next sheet.

Show a VTC.

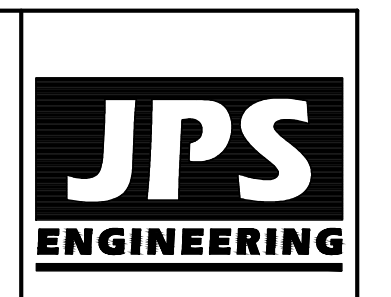
Provide temp BMPs in roadside ditches.

Provide some form of temp BMP in this channel.

Straw Bales are only suitable for minor drainageways, not major. And if double rows to be used, must offset seams. We have been seeing a lot of blow outs when using straw bales in ditches after a large rain event. Consider using straw wattles or rock checks in lieu of straw bales.

Forebay required when > 1ac of imperviousness is tributary to a pond in flow point per MHFD Detail T-5. This pond already has less capacity than required (at least per previous Retention Pond calcs). Without a forebay to easily remove sediment, the pond will slowly lose even more capacity over time. We can revisit this discussion once PLD calcs are provided in FDR.

SILVERADO RANCH FILING NO. 2



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 Colorado Springs, CO 80903
 PH: 719-477-9429
 FAX: 719-471-0766



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NO.	REVISION	BY	DATE
1	FINAL PLAT SUBMITTAL	JPS	02/01/24

GRADING AND EROSION CONTROL PLAN

HORIZ. SCALE: 1"=100'	DRAWN: MSP
VERT. SCALE: AS SHOWN	DESIGNED: JPS
SURVEYED: LWA	CHECKED: JPS
CREATED: 9/25/22	LAST MODIFIED: 02/01/24
PROJECT NO: 080603	MODIFIED BY: PV
SHEET:	

PCD File No. SF-23-XXX

C11

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

REVISED 7/02/19

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 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 (SWMP) 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 AFFECT 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. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.

23. 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.

24. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.

25. PRIOR TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.

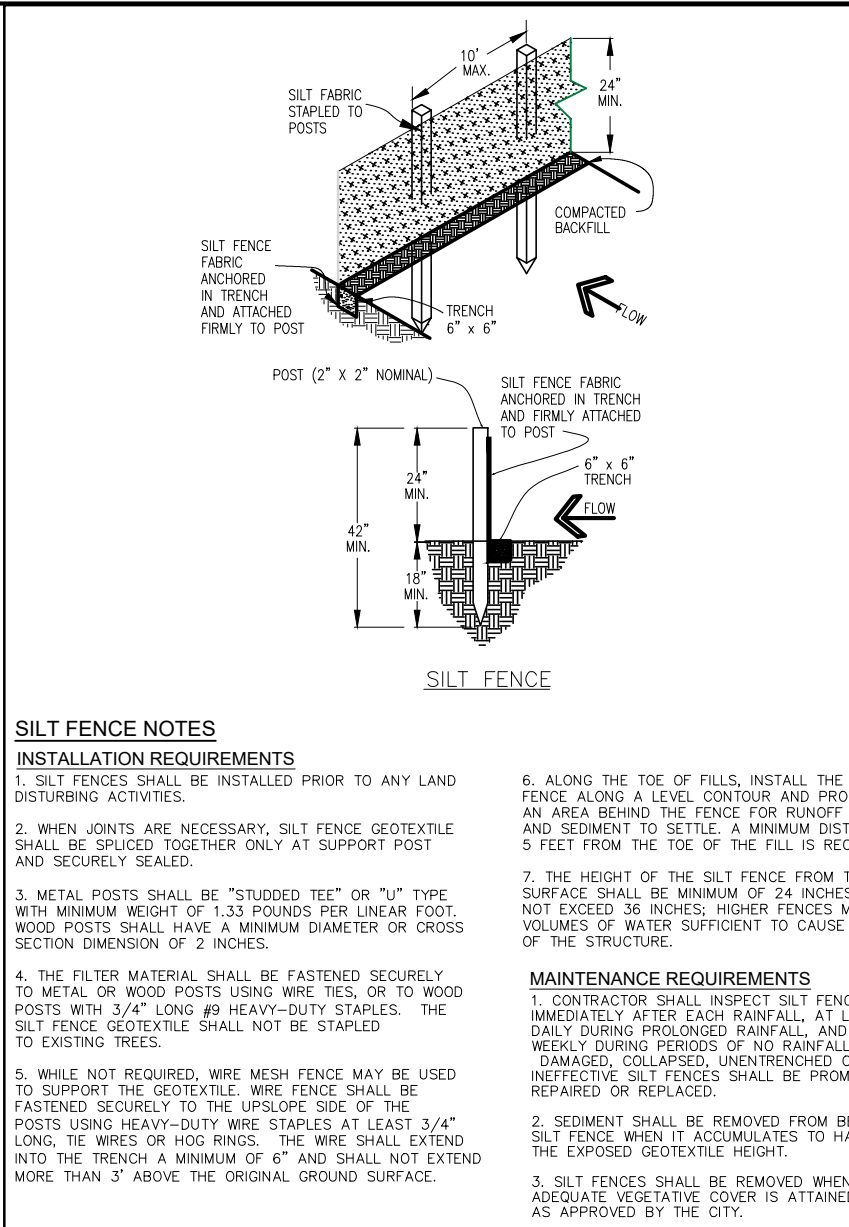
26. A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.

27. THE SOILS REPORT FOR THIS SITE SHALL BE CONSIDERED A PART OF THESE PLANS.

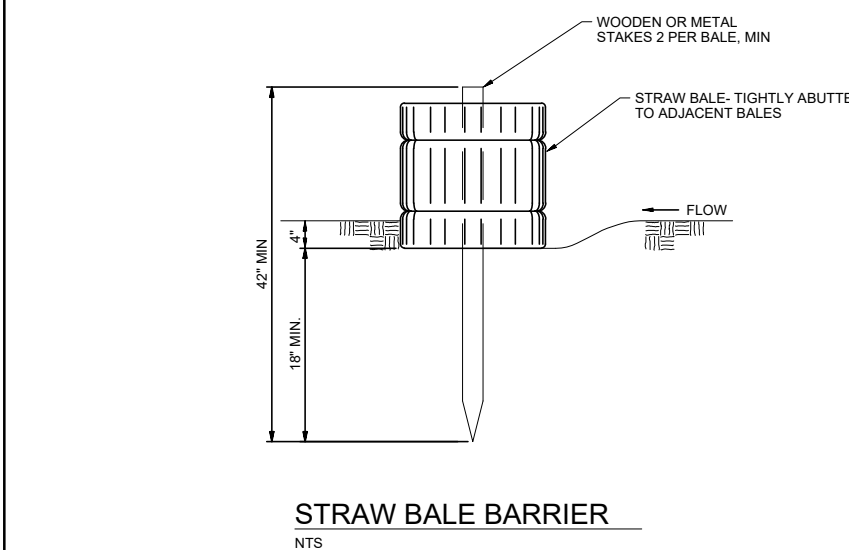
28. AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER 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

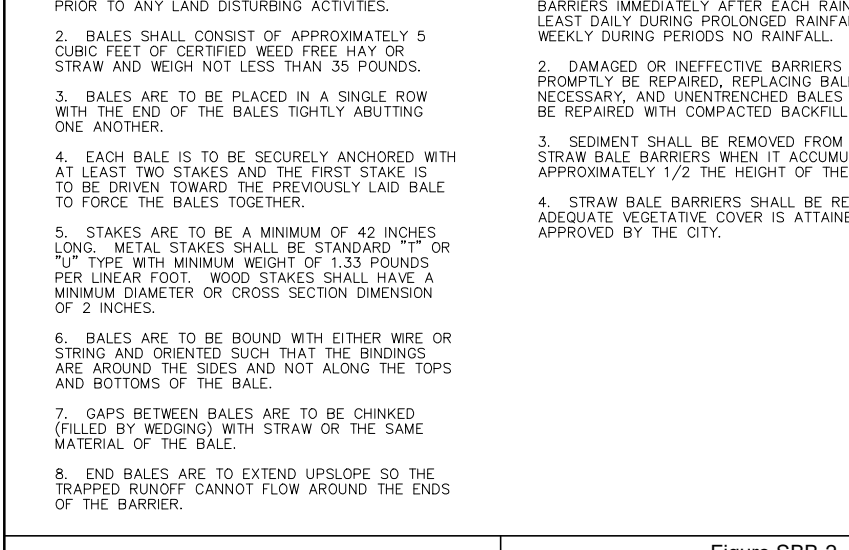
NOTE: NOTWITHSTANDING ANY DETAILS, NOTES OR PLANS SHOWN ON THESE DRAWINGS, ALL EROSION CONTROL DESIGNS AND INSTALLATIONS SHALL CONFORM TO EL PASO COUNTY STANDARDS AND POLICIES UNLESS OTHERWISE APPROVED IN WRITING.



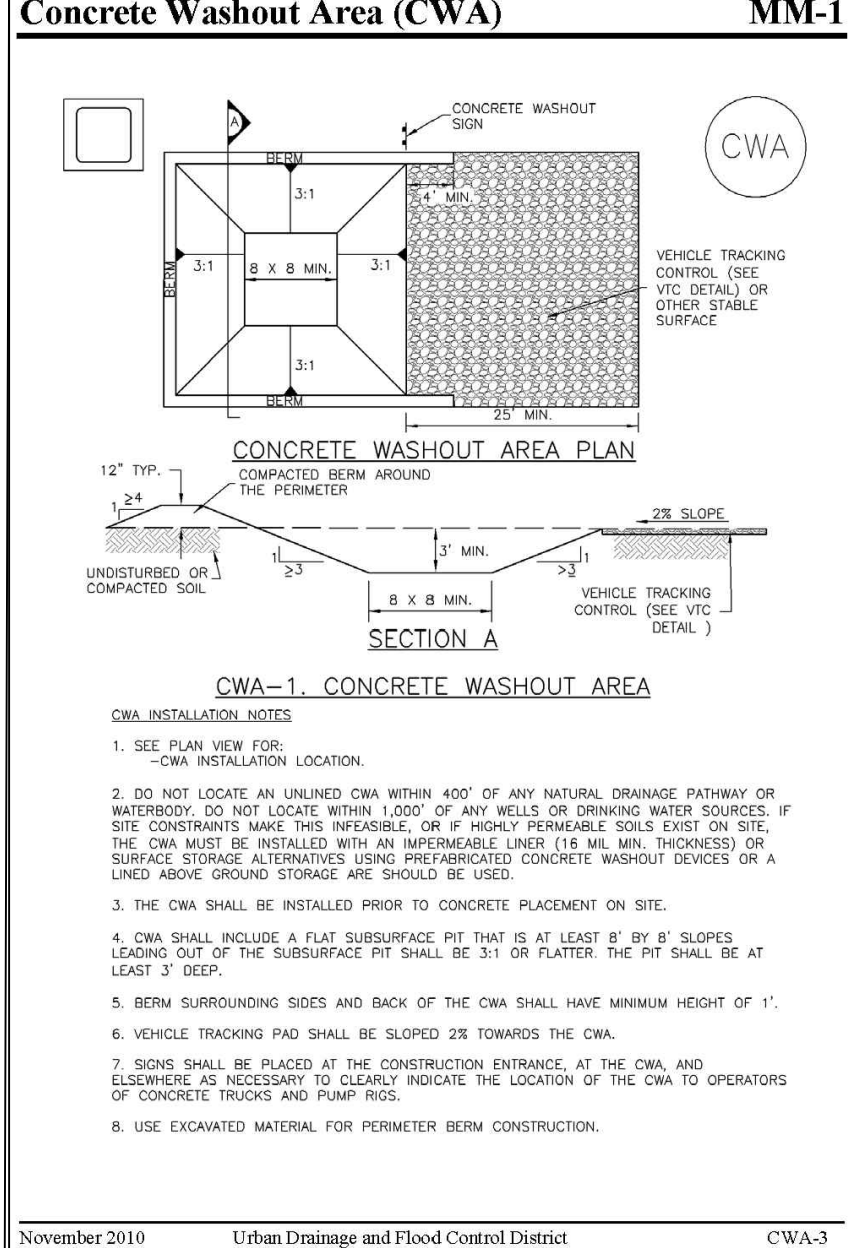
City of Colorado Springs Stormwater Quality Figure SF-2 Silt Fence Construction Detail and Maintenance Requirements



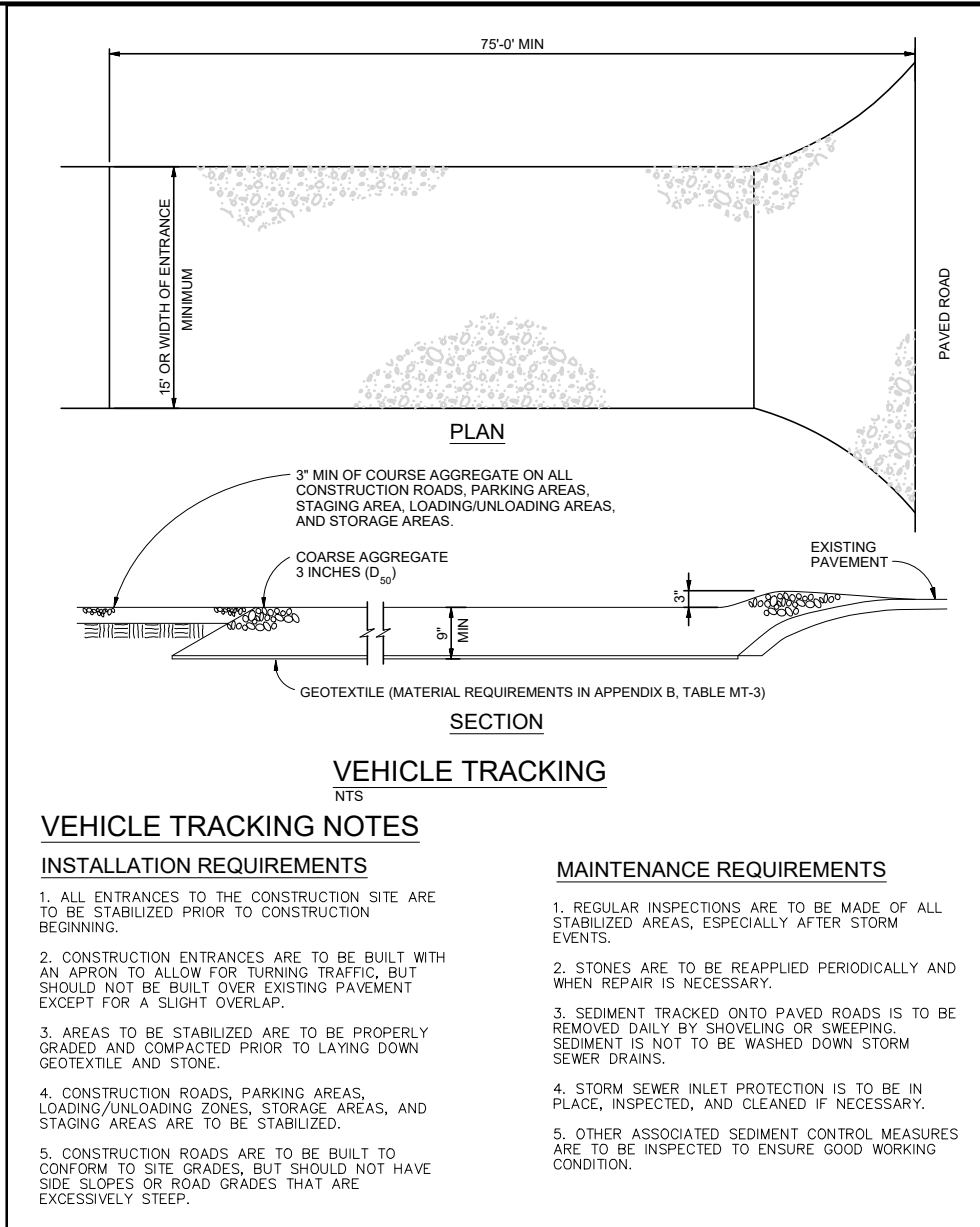
City of Colorado Springs Stormwater Quality Figure SBB-2 Straw Bale Barrier Construction Detail and Maintenance Requirements



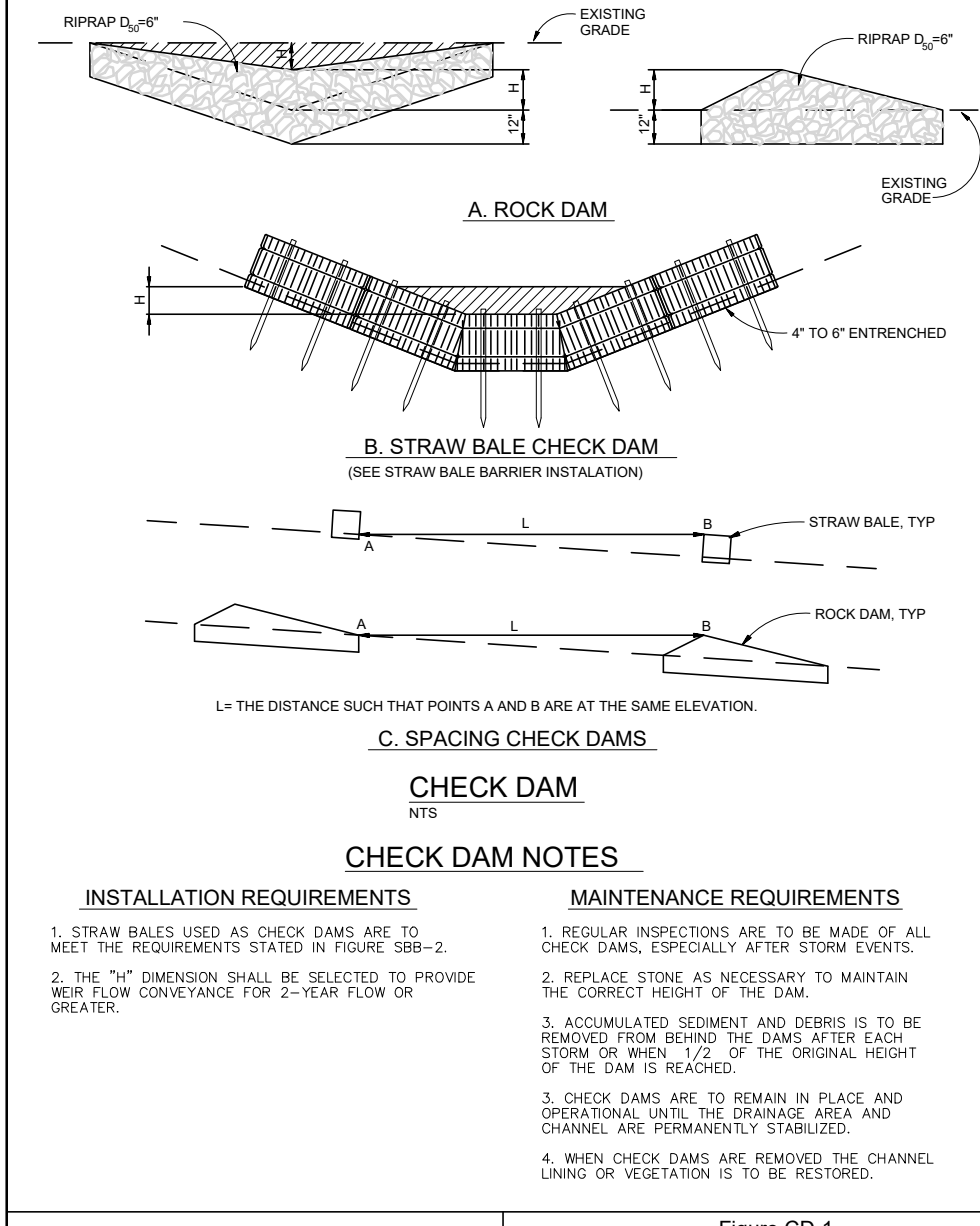
City of Colorado Springs Stormwater Quality Figure CD-1 Check Dam Construction Detail and Maintenance Requirements



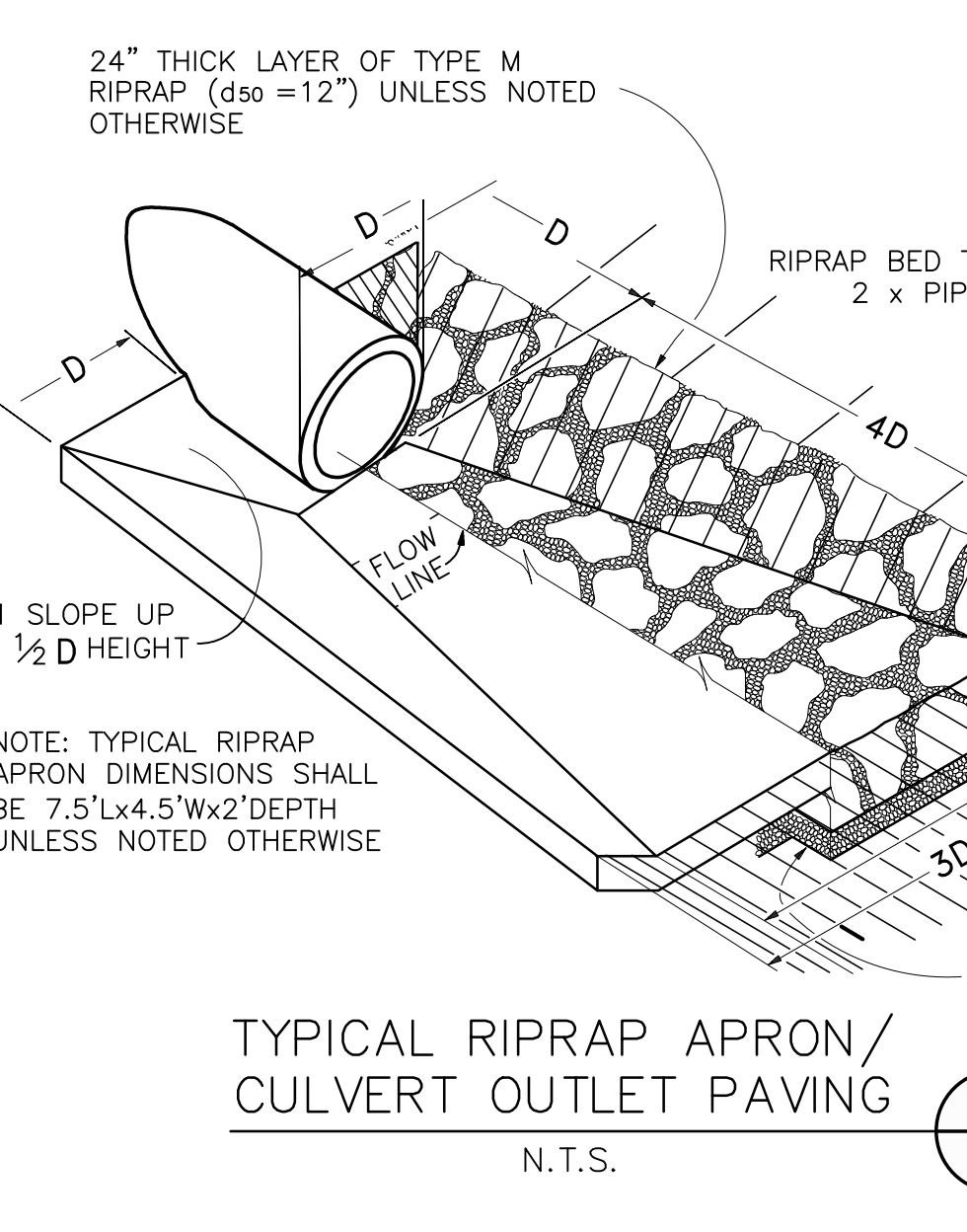
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 CWA-3



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



City of Colorado Springs Stormwater Quality Figure SBA-1 Stabilized Staging Area



City of Colorado Springs Stormwater Quality Figure ECB-1 Erosion Control Blanket Application Examples

SEEDING MIX:

GRASS	VARIETY	AMOUNT IN PLS LBS. PER ACRE
CRESTED WHEAT GRASS	EPHRAIM OR HYCREST	4.0 LBS.
PERENNIAL RYE	LINN	2.0 LBS.
WESTERN WHEATGRASS	SARTON	3.0 LBS.
SMOOTH BROME GRASS	LINCOLN OR MANCHAR	5.0 LBS.
SIDECOATS GRAMA	EPHRAIM	2.5 LBS.
TOTAL:		16.5 LBS.

SEEDING & FERTILIZER APPLICATION: DRILL SEED OR HYDRO-SEED PER CDOT SPEC. SECTION 212.

MULCHING APPLICATION: CONFORM TO CDOT SPEC-SECTION 213.

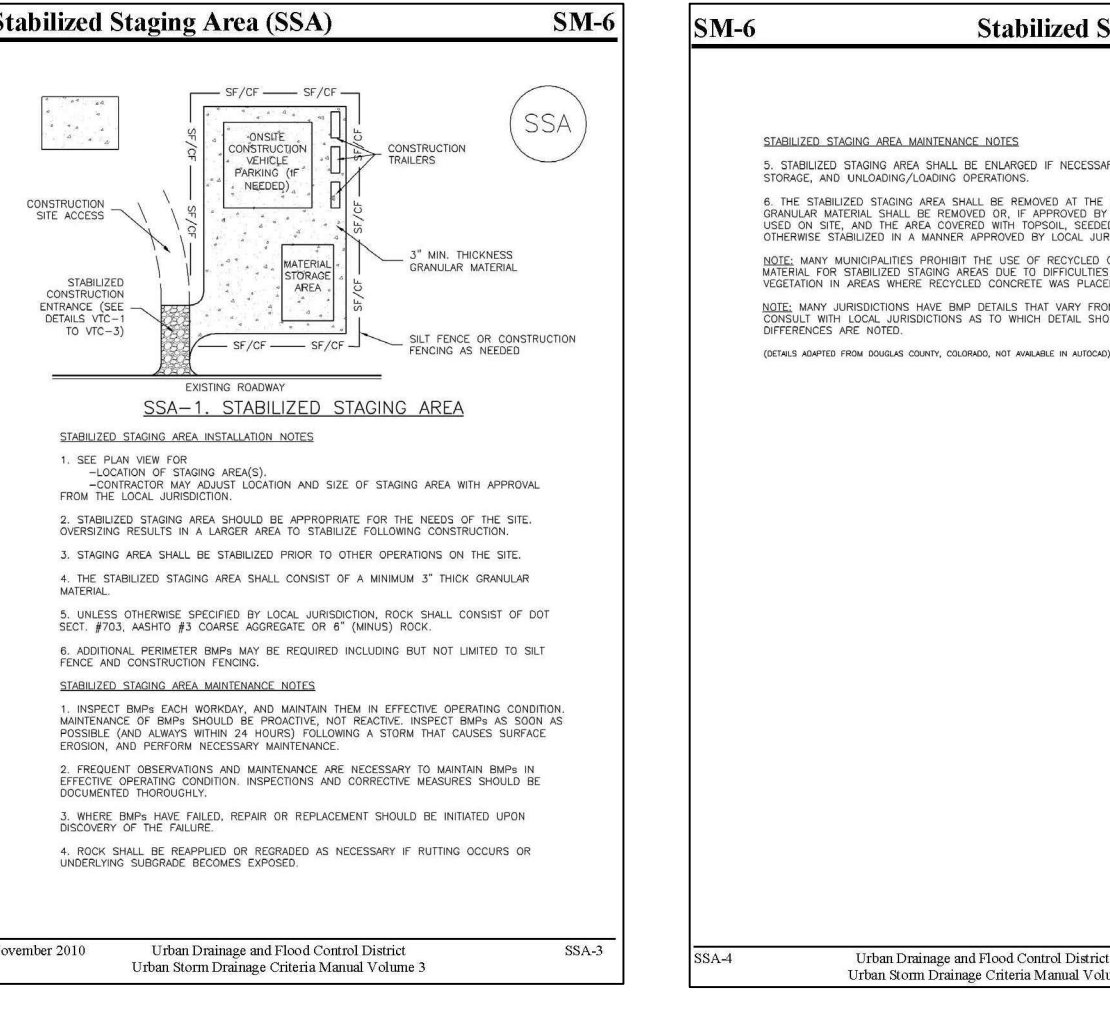
SEDIMENT CONTROL MAINTENANCE PROGRAM:

PERIODIC SITE INSPECTIONS BI-WEEKLY
RE-VEGETATION OF EXPOSED SOILS WITHIN 21 DAYS OF GRADING
SEDIMENT REMOVAL FROM BMP'S MONTHLY
REMOVAL OF BMP'S AFTER STABILIZATION ACHIEVED

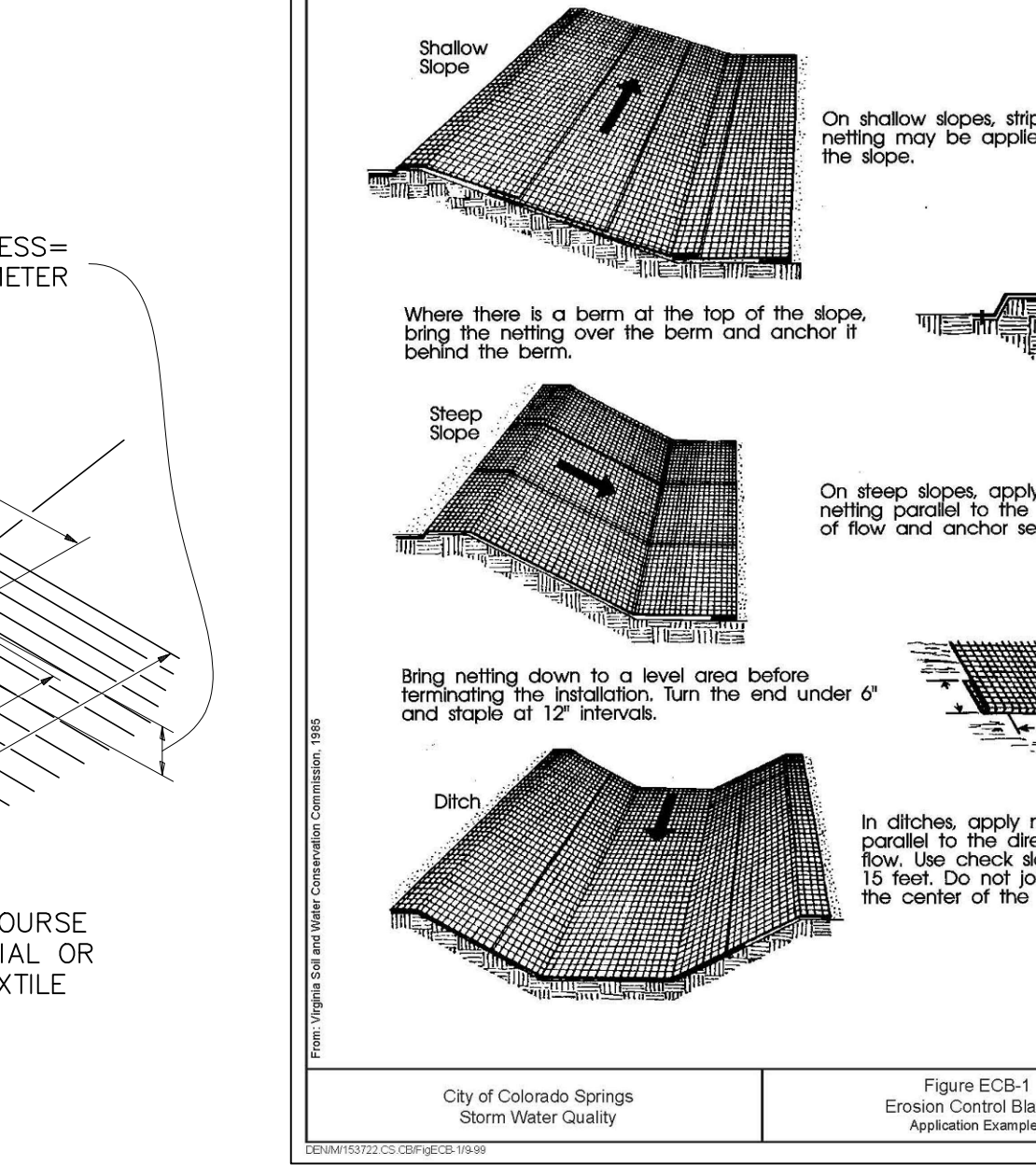
1 AND AFTER ANY PRECIPITATION OR SNOW MELT EVENT THAT CAUSES SURFACE EROSION.
2 ACCUMULATED SEDIMENT AND DEBRIS SHALL BE REMOVED WHEN THE SEDIMENT LEVEL REACHES ONE HALF THE HEIGHT OF THE BMP OR AT ANY TIME THAT SEDIMENT OR DEBRIS ADVERSELY IMPACTS THE FUNCTION OF THE BMP.

ESTIMATED TIME SCHEDULE:

INSTALL BMP'S JUNE 2024
ROADWAY GRADING JUNE 2024
SEEDING & MULCHING MAY 2025
STABILIZATION SEPTEMBER 2026



City of Colorado Springs Stormwater Quality Figure SBA-1 Stabilized Staging Area



City of Colorado Springs Stormwater Quality Figure ECB-1 Erosion Control Blanket Application Examples

SILVERADO RANCH FILING NO. 2

JPS ENGINEERING

19 E. Wilamette Ave.
Colorado Springs, CO 80903

PH: 719-477-9429
FAX: 719-471-0766
www.jpsegr.com

CALL UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

No.	BY	DATE	REVISION
1	JPS	01/31/24	EPC SUBMITTAL

EROSION CONTROL NOTES AND DETAILS

HORIZ. SCALE: N/A
VERT. SCALE: N/A
SURVEYED: N/A
CREATED: 11/29/21
PROJECT NO: 080603

DRAWN: MSP
DESIGNED: JPS
CHECKED: JPS
LAST MODIFIED: 01/31/24
MODIFIED BY: PV

SHEET: C2.1

V1_Grading & Erosion Control Plan.pdf Markup Summary

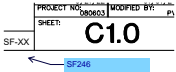
Area Measurement (1)



Subject: Area Measurement
Page Label: [1] C1.1
Author: Glenn Reese - EPC Stormwater
Date: 3/29/2024 3:51:30 PM
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Layer:
Space:

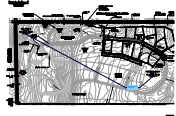
201,792 sf

Callout (9)



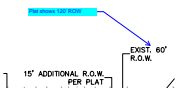
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Author: HaoVo
Date: 3/15/2024 3:41:03 PM
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Space:

SF246



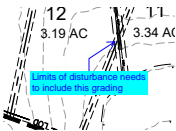
Subject: Callout
Page Label: [1] C1
Author: HaoVo
Date: 4/1/2024 2:35:55 PM
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Please label existing, private ponds.



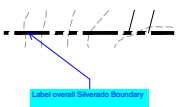
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Page Label: [1] C1
Author: CDurham
Date: 4/1/2024 1:52:29 PM
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Color: ■
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Space:

Plat shows 120' ROW



Subject: Callout
Page Label: [1] C1
Author: CDurham
Date: 4/1/2024 1:59:31 PM
Status:
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Layer:
Space:

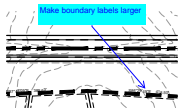
Limits of disturbance needs to include this grading



Subject: Callout
Page Label: [1] C1
Author: CDurham
Date: 4/1/2024 2:01:06 PM
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Space:

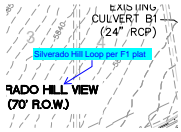
Label overall Silverado Boundary

SECTION 16



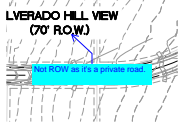
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Author: CDurham
Date: 4/1/2024 2:01:42 PM
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Make boundary labels larger



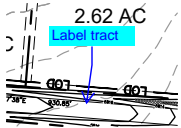
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Page Label: [1] C1
Author: CDurham
Date: 4/1/2024 5:35:14 PM
Status:
Color: ■
Layer:
Space:

Silverado Hill Loop per F1 plat



Subject: Callout
Page Label: [1] C1
Author: CDurham
Date: 4/1/2024 5:36:03 PM
Status:
Color: ■
Layer:
Space:

Not ROW as it's a private road.



Subject: Callout
Page Label: [1] C1
Author: CDurham
Date: 4/1/2024 5:38:09 PM
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Color: ■
Layer:
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Label tract

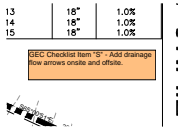
Highlight (1)



Subject: Highlight
Page Label: [1] C1.1
Author: CDurham
Date: 4/1/2024 5:39:59 PM
Status:
Color: ■
Layer:
Space:

Label tract

SW - Textbox (3)



Subject: SW - Textbox
Page Label: [1] C1.1
Author: Glenn Reese - EPC Stormwater
Date: 4/1/2024 10:17:26 AM
Status:
Color: ■
Layer:
Space:

GEC Checklist Item "S" - Add drainage flow arrows onsite and offsite.

Add drainage flow arrows onsite and offsite.

Subject: SW - Textbox
Page Label: [1] C1
Author: Glenn Reese - EPC Stormwater
Date: 3/29/2024 3:56:15 PM
Status:
Color: ■
Layer:
Space:

Add drainage flow arrows onsite and offsite.

OWNERS SHALL IMPLEMENT & MAINTAIN MANAGEMENT PRACTICES FOR PROTECTION OF WETLANDS INCLUDING PROTECTION OF RIPS ALONG THE DOWNSTREAM PROPERTY

PLD

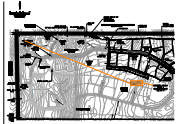
EXIST RETENTION POND

PLD

Subject: SW - Textbox
Page Label: [1] C1.1
Author: Glenn Reese - EPC Stormwater
Date: 4/1/2024 9:18:40 AM
Status:
Color: ■
Layer:
Space:

Add a general note: all areas to be vegetated with seeding should also be temporarily stabilized via surface roughening or some other means.

SW - Textbox with Arrow (16)



Subject: SW - Textbox with Arrow
Page Label: [1] C1
Author: Glenn Reese - EPC Stormwater
Date: 3/29/2024 4:12:37 PM
Status:
Color: ■
Layer:
Space:

Retention Ponds have permanent pools. These are actually full-infiltration PLD facilities.

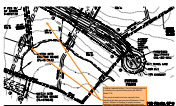
PLD

EXIST RETENTION POND

PLD

Subject: SW - Textbox with Arrow
Page Label: [1] C1.1
Author: Glenn Reese - EPC Stormwater
Date: 3/29/2024 3:50:24 PM
Status:
Color: ■
Layer:
Space:

PLD



Subject: SW - Textbox with Arrow
Page Label: [1] C1.1
Author: Glenn Reese - EPC Stormwater
Date: 4/1/2024 12:15:49 PM
Status:
Color: ■
Layer:
Space:

Forebay required when >1ac of imperviousness is tributary to a pond inflow point per MHFD Detail T-5.

This pond already has less capacity than required (at least per previous Retention Pond calcs). Without a forebay to easily remove sediment, the pond will slowly lose even more capacity over time. We can revisit this discussion once PLD calcs are provided in FDR.



Subject: SW - Textbox with Arrow
Page Label: [1] C1.1
Author: Glenn Reese - EPC Stormwater
Date: 4/1/2024 9:12:16 AM
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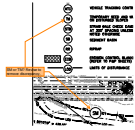
Straw Bales are only suitable for minor drainageways, not major. And if double rows to be used, must offset seams.

We have been seeing a lot of blow outs when using straw bales in ditches after a large rain event. Consider using straw wattles or rock checks in lieu of straw bales.



Subject: SW - Textbox with Arrow
Page Label: [1] C1.1
Author: Glenn Reese - EPC Stormwater
Date: 4/1/2024 9:09:39 AM
Status:
Color: ■
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GEC Checklist Items H and M. 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.



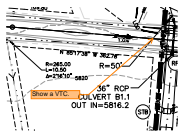
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Page Label: [1] C1.1
Author: Glenn Reese - EPC Stormwater
Date: 4/1/2024 11:20:02 AM
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SM or TM? Revise to remove discrepancy.



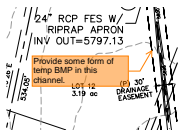
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Page Label: [1] C1.1
Author: Glenn Reese - EPC Stormwater
Date: 4/1/2024 9:12:10 AM
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Add "CIP" to Legend above and provide a detail for it on the next sheet.



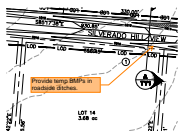
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Page Label: [1] C1.1
Author: Glenn Reese - EPC Stormwater
Date: 4/1/2024 9:13:24 AM
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Show a VTC.



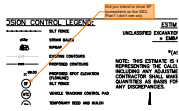
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Page Label: [1] C1.1
Author: Glenn Reese - EPC Stormwater
Date: 4/1/2024 9:14:48 AM
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Provide some form of temp BMP in this channel.



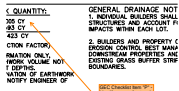
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Page Label: [1] C1.1
Author: Glenn Reese - EPC Stormwater
Date: 4/1/2024 9:15:57 AM
Status:
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Space:

Provide temp BMPs in roadside ditches.



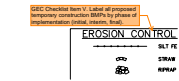
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Page Label: [1] C1.1
Author: Glenn Reese - EPC Stormwater
Date: 4/1/2024 9:17:51 AM
Status:
Color: ■
Layer:
Space:

Did you intend to show SF somewhere on the GEC Plan? I don't see any.



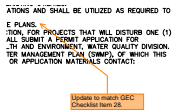
Subject: SW - Textbox with Arrow
Page Label: [1] C1.1
Author: Glenn Reese - EPC Stormwater
Date: 4/1/2024 10:18:31 AM
Status:
Color: ■
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GEC Checklist Item "P" - identify areas of cut and fill.



Subject: SW - Textbox with Arrow
Page Label: [1] C1.1
Author: Glenn Reese - EPC Stormwater
Date: 4/1/2024 10:19:39 AM
Status:
Color: ■
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GEC Checklist Item V. Label all proposed temporary construction BMPs by phase of implementation (initial, interim, final).



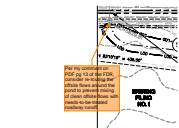
Subject: SW - Textbox with Arrow
Page Label: [1] C2.1
Author: Glenn Reese - EPC Stormwater
Date: 4/1/2024 10:34:09 AM
Status:
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Space:

Update to match GEC Checklist Item 28.



Subject: SW - Textbox with Arrow
Page Label: [1] C1
Author: Glenn Reese - EPC Stormwater
Date: 4/1/2024 11:24:49 AM
Status:
Color: ■
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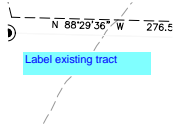
Is there an engineered spillway and channel here like there is for the other pond? If so, show it. If there isn't one, we need to discuss the necessity for one given how much flow is designed to bypass.



Subject: SW - Textbox with Arrow
Page Label: [1] C1.1
Author: Glenn Reese - EPC Stormwater
Date: 4/1/2024 11:21:54 AM
Status:
Color: ■
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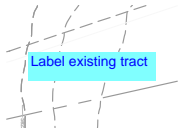
Per my comment on PDF pg 13 of the FDR, consider re-routing the offsite flows around the pond to prevent mixing of clean offsite flows with needs-to-be-treated roadway runoff.

Text Box (2)



Subject: Text Box
Page Label: [1] C1.1
Author: CDurham
Date: 4/1/2024 2:43:36 PM
Status:
Color: ■
Layer:
Space:

Label existing tract



Subject: Text Box
Page Label: [1] C1
Author: CDurham
Date: 4/1/2024 2:43:51 PM
Status:
Color: ■
Layer:
Space:

Label existing tract