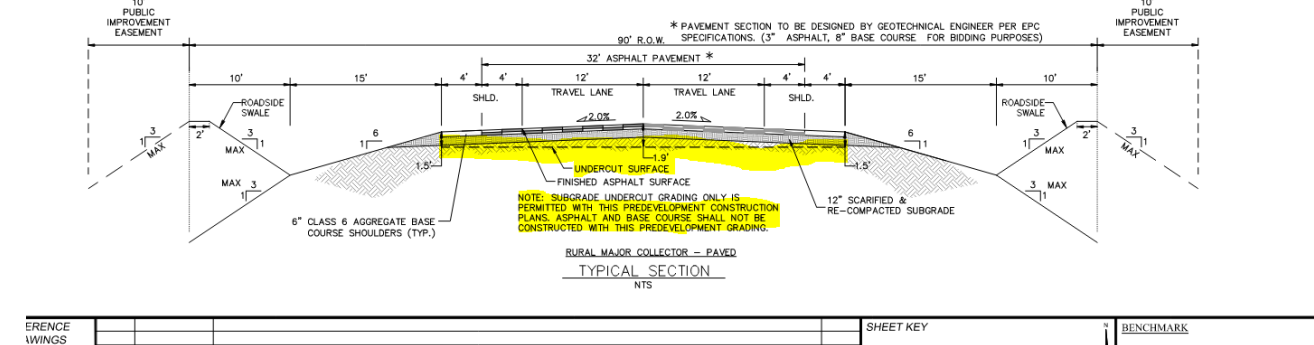
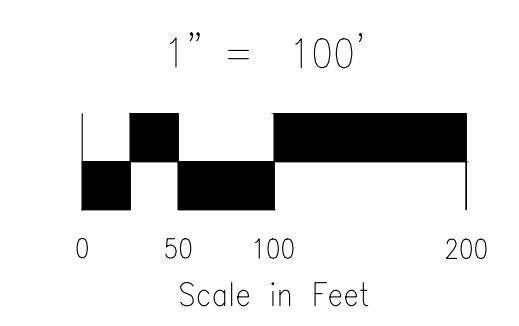


Provide a typical road cross section of the road identifying the rough grade elevation for the road (example to the right) or revise contour to rough cut elevation.

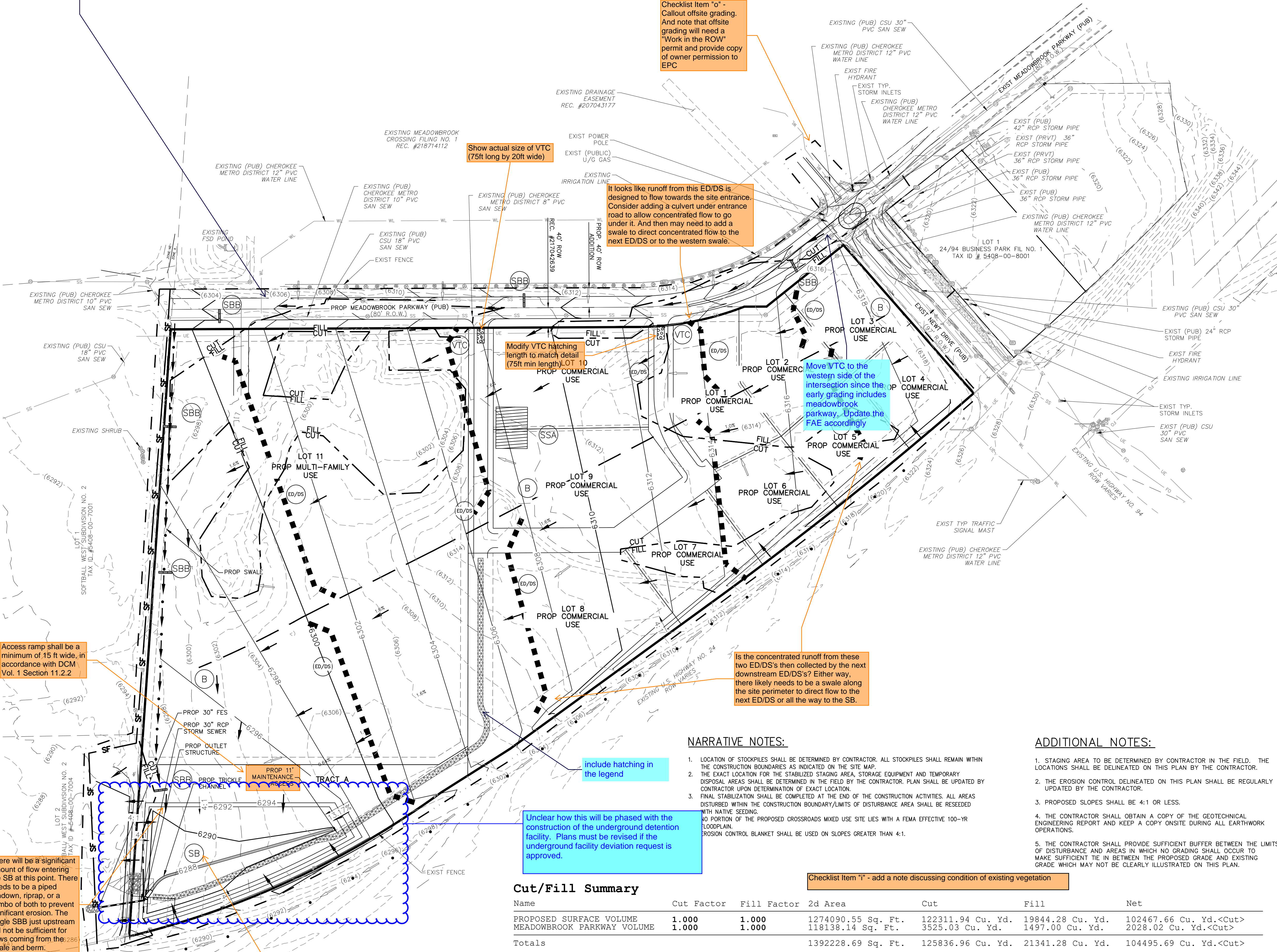


Checklist Item "o" - Callout offsite grading. And note that offsite grading will need a "Work in the ROW" permit and provide copy of owner permission to EPC



LEGEND

- PROP MAJ CONT
- PROP MIN CONT
- EXIST MAJ CONT
- EXIST MIN CONT
- PROPOSED STORM SEWER PIPE
- EXISTING FLOW DIRECTION ARROW
- H.P. X HIGH POINT
- L.P. X LOW POINT
- PROPOSED SWALE
- EXISTING SWALE
- CUT/FILL LINE
- ADJACENT PROPERTY BOUNDARY
- SITE BOUNDARY
- R.O.W./EASEMENT
- LOT LINE
- ST STORM SEWER LINE
- UE EX. UNDERGROUND ELECTRIC LINE
- SS EX. SANITARY SEWER LINE
- WL EX. WATER LINE
- ST EX. STORM SEWER LINE
- 9 LOT NUMBER
- (IV) EX. IRRIGATION VALVE
- (SI) EX. STORM INLET
- (GT) EX. GAS TEST NODE
- (TP) EX. TELEPHONE PEDESTAL
- (EV) EX. ELECTRIC VAULT
- (SM) EX. SANITARY MANHOLE
- (WV) EX. WATER VALVE
- (RIP) PROPOSED RIPRAP
- (CON) EXISTING CONCRETE
- (EO) EMERGENCY OVERFLOW DIRECTION
- (CB) CONST BOUNDARY/LIMITS OF DISTURBANCE
- (SBB) STRAW BALE DITCH CHECK - INTERIM
- (B) EARTH BERM-INTERIM
- (VTC) VEHICLE TRACKING CONTROL-INITIAL
- (SB) TEMPORARY SEDIMENT BASIN-INITIAL
- (SF) SILTY FENCE-INITIAL
- (SSA) STABILIZED STATION AREA-INTERIM
- (ED/DS) EARTH DIKES & DRAINAGE SWALES-INTERIM



NARRATIVE NOTES:

- LOCATION OF STOCKPILES SHALL BE DETERMINED BY CONTRACTOR. ALL STOCKPILES SHALL REMAIN WITHIN THE CONSTRUCTION BOUNDARIES AS INDICATED ON THE SITE MAP.
- THE EXACT LOCATION FOR THE STABILIZED STAGING AREA, STORAGE EQUIPMENT AND TEMPORARY DISPOSAL AREAS SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR. PLAN SHALL BE UPDATED BY CONTRACTOR UPON DETERMINATION OF EXACT LOCATION.
- FINAL STABILIZATION SHALL BE COMPLETED AT THE END OF THE CONSTRUCTION ACTIVITIES. ALL AREAS DISTURBED WITHIN THE CONSTRUCTION BOUNDARY/LIMITS OF DISTURBANCE AREA SHALL BE RESEDED WITH NATIVE SEEDING. NO PORTION OF THE PROPOSED CROSSROADS MIXED USE SITE LIES WITH A FEMA EFFECTIVE 100-YR FLOODPLAIN. EROSION CONTROL BLANKET SHALL BE USED ON SLOPES GREATER THAN 4:1.

ADDITIONAL NOTES:

- STAGING AREA TO BE DETERMINED BY CONTRACTOR IN THE FIELD. THE LOCATIONS SHALL BE DELINEATED ON THIS PLAN BY THE CONTRACTOR.
- THE EROSION CONTROL DELINEATED ON THIS PLAN SHALL BE REGULARLY UPDATED BY THE CONTRACTOR.
- PROPOSED SLOPES SHALL BE 4:1 OR LESS.
- THE CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL ENGINEERING REPORT AND KEEP A COPY ONSITE DURING ALL EARTHWORK OPERATIONS.
- THE CONTRACTOR SHALL PROVIDE SUFFICIENT BUFFER BETWEEN THE LIMITS OF DISTURBANCE AND AREAS IN WHICH NO GRADING SHALL OCCUR TO MAKE SUFFICIENT TIE IN BETWEEN THE PROPOSED GRADE AND EXISTING GRADE WHICH MAY NOT BE CLEARLY ILLUSTRATED ON THIS PLAN.

Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
PROPOSED SURFACE VOLUME	1.000	1.000	1274090.55 Sq. Ft.	122311.94 Cu. Yd.	19844.28 Cu. Yd.	102467.66 Cu. Yd.<Cut>
MEADOWBROOK PARKWAY VOLUME	1.000	1.000	118138.14 Sq. Ft.	3525.03 Cu. Yd.	1497.00 Cu. Yd.	2028.02 Cu. Yd.<Cut>
Totals			1392228.69 Sq. Ft.	125836.96 Cu. Yd.	21341.28 Cu. Yd.	104495.69 Cu. Yd.<Cut>

Checklist Item "i" - add a note discussing condition of existing vegetation

Access ramp shall be a minimum of 15 ft wide, in accordance with DCM Vol. 1 Section 11.2.2

There will be a significant amount of flow entering the SB at this point. There needs to be a piped rundown, riprap, or a combo of both to prevent significant erosion. The single SBB just upstream will not be sufficient for flows coming from the swale and berm.

Temporary Sediment Basin: Provide details of temporary sediment basin, including riser pipe perforation sizing, number of rows, required volume, and tributary area to the sediment basin.

Unclear how this will be phased with the construction of the underground detention facility. Plans must be revised if the underground facility deviation request is approved.

include hatching in the legend

Is the concentrated runoff from these two ED/DS's then collected by the next downstream ED/DS's? Either way, there likely needs to be a swale along the site perimeter to direct flow to the next ED/DS or all the way to the SB.

It looks like runoff from this ED/DS is designed to flow towards the site entrance. Consider adding a culvert under entrance road to allow concentrated flow to go under it. And then may need to add a swale to direct concentrated flow to the next ED/DS or to the western swale.

Modify VTC hatching length to match detail (75ft min length) LOT 10

Move VTC to the western side of the intersection since the early grading includes meadowbrook parkway. Update the FAE accordingly

CROSSROADS MIXED USE
 GRADING & EROSION CONTROL PLAN
 PROJECT NO. 18-003
 DATE: 11/23/20
 SCALE: HORIZONTAL: 1" = 100' VERTICAL: N/A
 DESIGNED BY: CW
 DRAWN BY: VAS
 CHECKED BY: GRO2
 SHEET 2 OF 3

102 E Pikes Peak Ave. Suite 500
 Colorado Springs, CO 80903
 PHONE: 719.555.5465

CIVIL CONSULTANTS, INC.

FOR AND ON BEHALF OF M&S CIVIL CONSULTANTS, INC.

APPROVED BY: DATE:

REVISIONS: NO. DATE BY DESCRIPTION

FOR LOCATING & MARKING GAS, ELECTRIC, WATER & TELEPHONE LINES
 FOR BURIED UTILITY INFORMATION
 48 HRS BEFORE YOU DIG
 CALL 1-800-922-1987

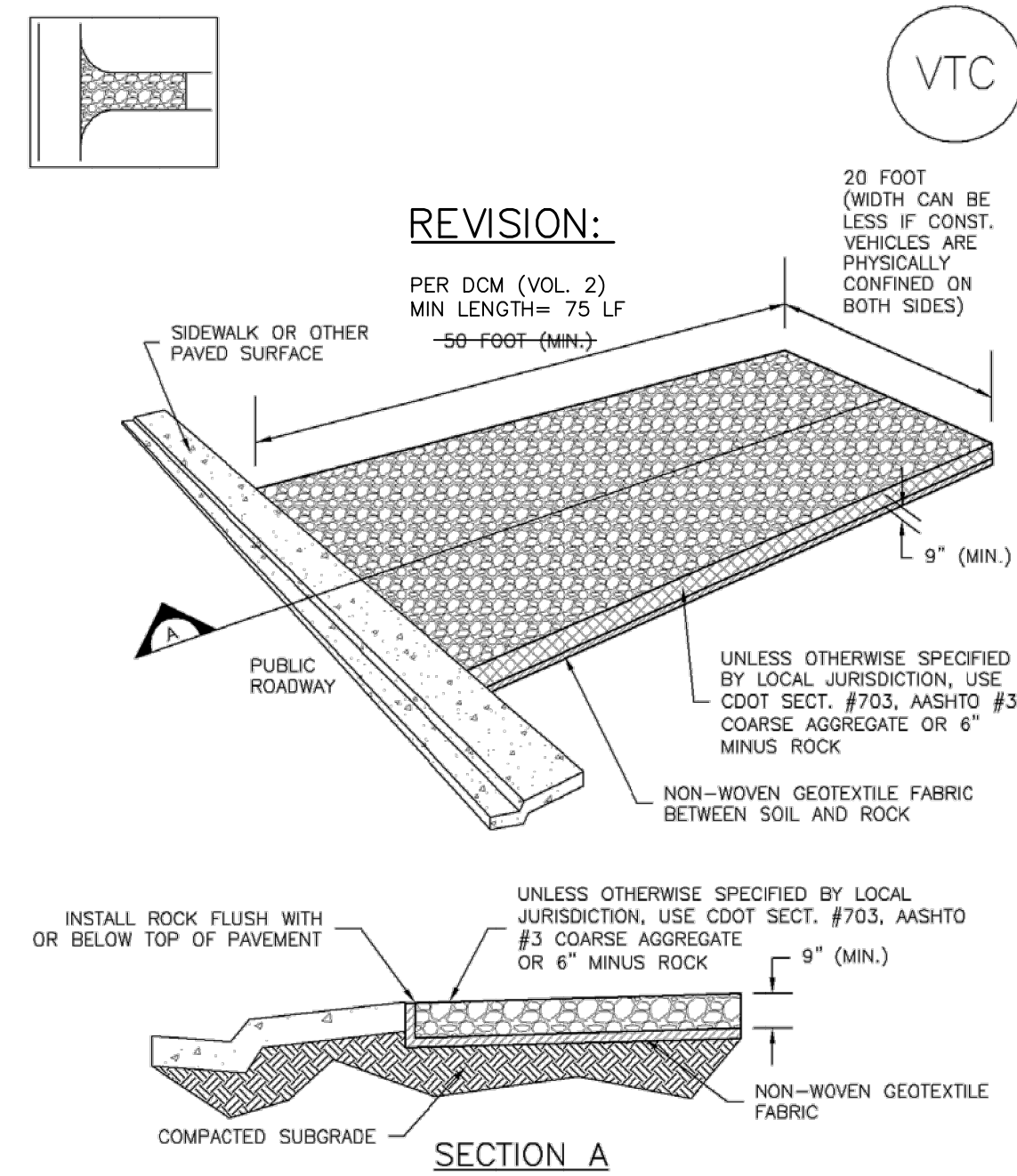
THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

CAUTION

File: C:\180033-Crossroads Mixed Use\Drawings\GR02.dwg Plot Date: 11/23/2020 12:05 PM

Vehicle Tracking Control (VTC)

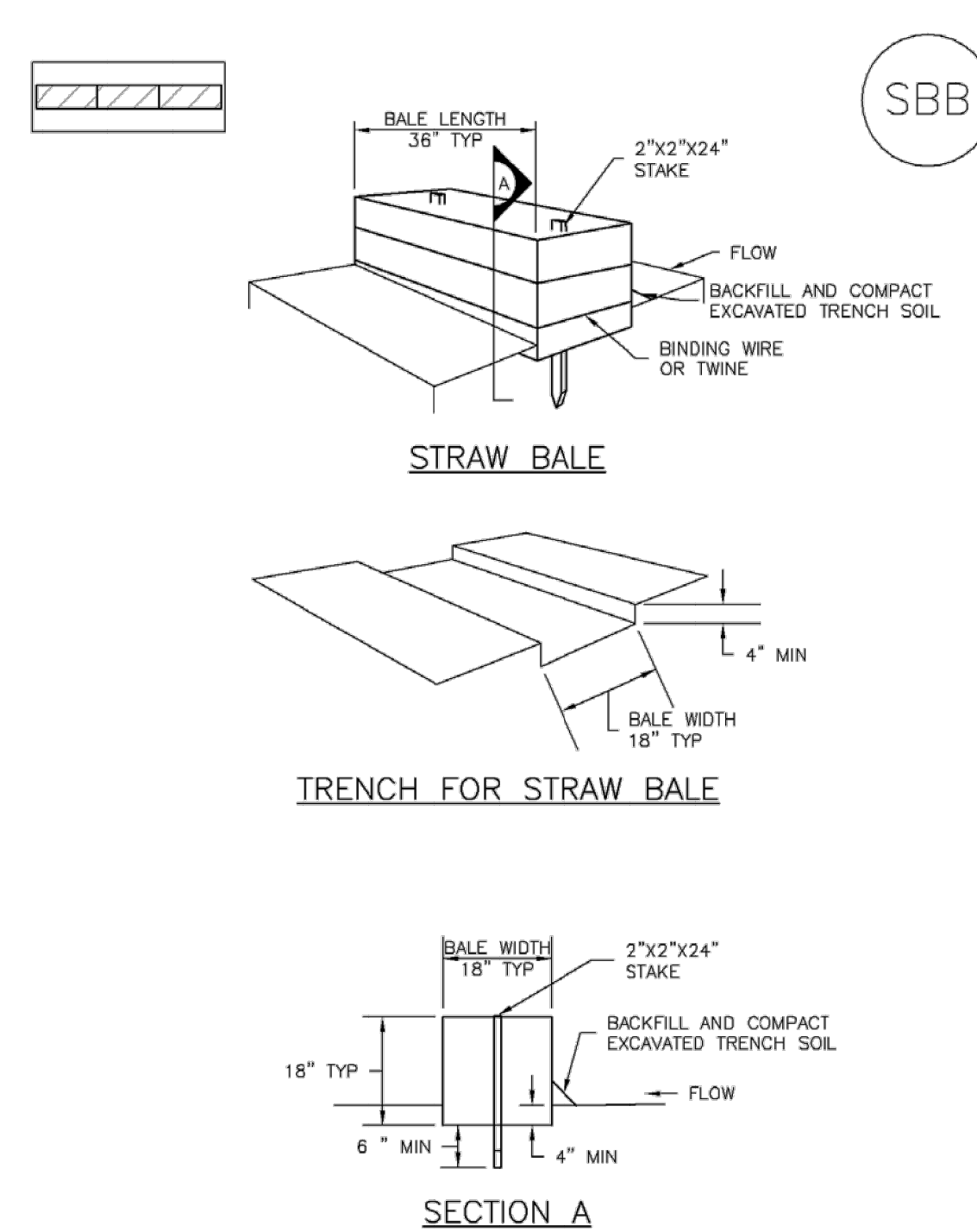
SM-4



VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

SC-3

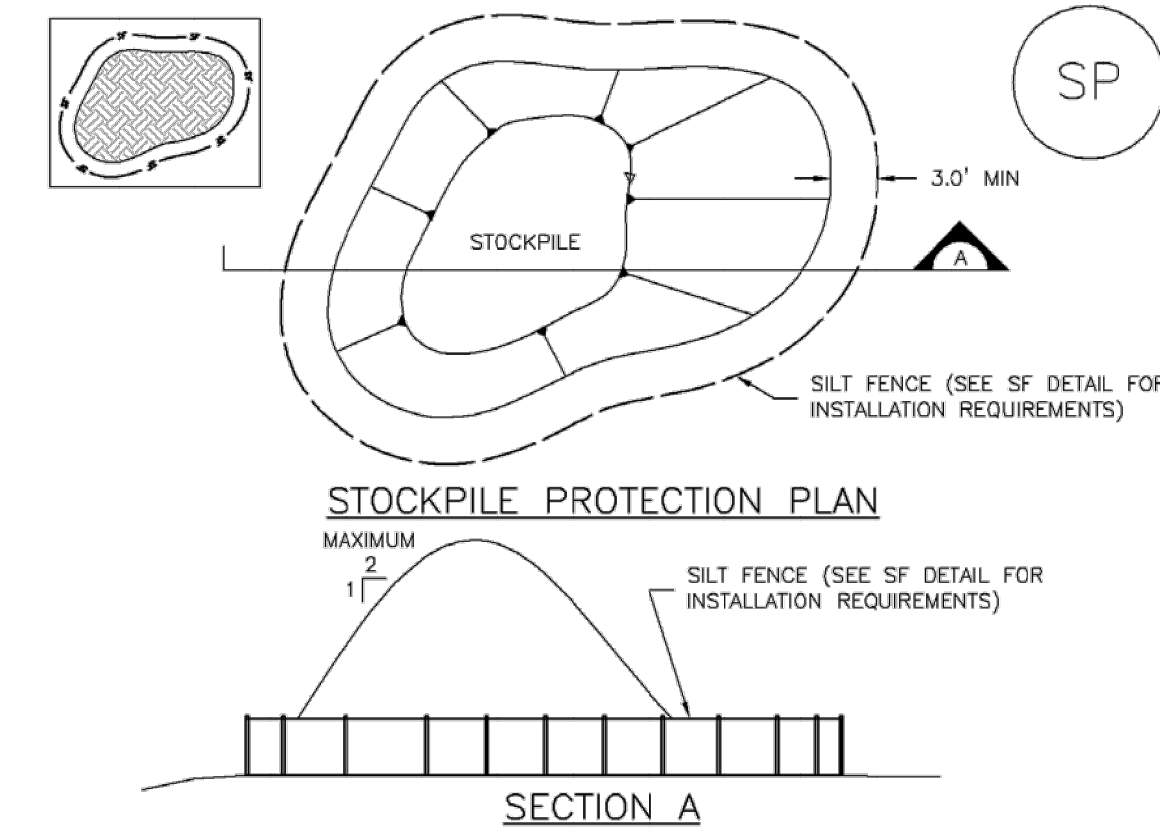
Straw Bale Barrier (SBB)



SBB-1. STRAW BALE

Stockpile Management (SP)

MM-2



SP-1. STOCKPILE PROTECTION

STOCKPILE PROTECTION INSTALLATION NOTES

- SEE PLAN VIEW FOR:
 - LOCATION OF STOCKPILES
 - TYPE OF STOCKPILE PROTECTION
- 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.
- 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).
- 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.

SEEDING GUIDELINES:

- SEEDBED PREPARATION**
THE SEEDBED SHOULD BE WELL-SETTLED AND FIRM, BUT FRIABLE ENOUGH THAT THE SEED CAN BE PLACED AT THE SPECIFIED DEPTHS. COMPETITIVE STANDS OF WEEDS THAT ARE PRESENT BEFORE SEEDING MUST BE CONTROLLED BY SHALLOW TILLAGE OR BY APPLICATION OF HERBICIDES. SOILS THAT HAVE BEEN OVER-COMPACTED BY TRAFFIC OR EQUIPMENT, ESPECIALLY WHEN WET, SHOULD BE TILLED TO BREAK UP ROOTING-RESTRICTIVE LAYERS, THAN HARROWED, ROLLED, OR PACKED TO PREPARE THE REQUIRED FIRM SEEDBED.
 - FERTILIZER**
FERTILIZER SHOULD BE APPLIED AT A RATE OF 50 POUNDS OF AVAILABLE NITROGEN PER ACRE AND 40 POUNDS OF AVAILABLE PHOSPHATE PER ACRE. THE TIMING OF APPLICATION SHOULD BE IMMEDIATELY PRIOR TO SEEDING, AT THE TIME OF SEEDING, OR IMMEDIATELY FOLLOWING SEEDING, DEPENDING ON THE KIND OF FERTILIZER AND TYPE OF EQUIPMENT USED.
 - SEEDING**
SEED SHOULD BE PLANTED WITH A GRASS DRILL ON ALL SLOPES OF 3:3 (3:1) OR FLATTER. SEED MAY BE BROADCAST BY HAND, BY MECHANICAL SPREADER, OR BY HYDRAULIC EQUIPMENT ON AREAS THAT ARE SMALL, TOO STEEP, OR NOT ACCESSIBLE FOR SEED DRILL OPERATIONS. SEED PLANTED WITH A DRILL SHOULD BE COVERED WITH SOIL TO A DEPTH OF 1/4 TO 3/4 INCH. SEED PLANTED BY THE BROADCAST METHOD SHALL BE INCORPORATED INTO THE SOIL SURFACE, NOT TO EXCEED A DEPTH OF 3/4 INCH, BY RAKING, HARROWING, OR OTHER PROVEN METHOD.
 - MULCHING**
SEEDING AREAS SHOULD BE MULCHED TO CONSERVE MOISTURE; PREVENT SURFACE COMPACTION OR CRUSTING; REDUCE RUNOFF AND EROSION; CONTROL INSECTS; AND HELP ESTABLISH PLANT COVER.
- NATIVE HAY OR STRAW SHOULD BE APPLIED AT A RATE OF 4,000 POUNDS PER ACRE AND CRIMPED INTO THE GROUND, ON SLOPES GREATER THAN 3:1, AN AGRONOMY BLANKET SHOULD BE USED.
- SUPPLEMENTAL WATER**
5. IN LOW RAINFALL AREAS, WHERE WATER IS AVAILABLE AND WHERE RAPID ESTABLISHMENT IS NEEDED, IRRIGATION OF NEW SEEDING SHOULD BE PERFORMED DURING THE FIRST GROWING SEASON. WATER SHOULD BE APPLIED AT APPROXIMATELY ONE WEEK INTERVALS, AT A RATE OF 3/4 TO 1 INCH PER APPLICATION, WHEN RAINFALL IS DEFICIENT FOR PLANT DEVELOPMENT.

EROSION CONTROL CRITERIA:

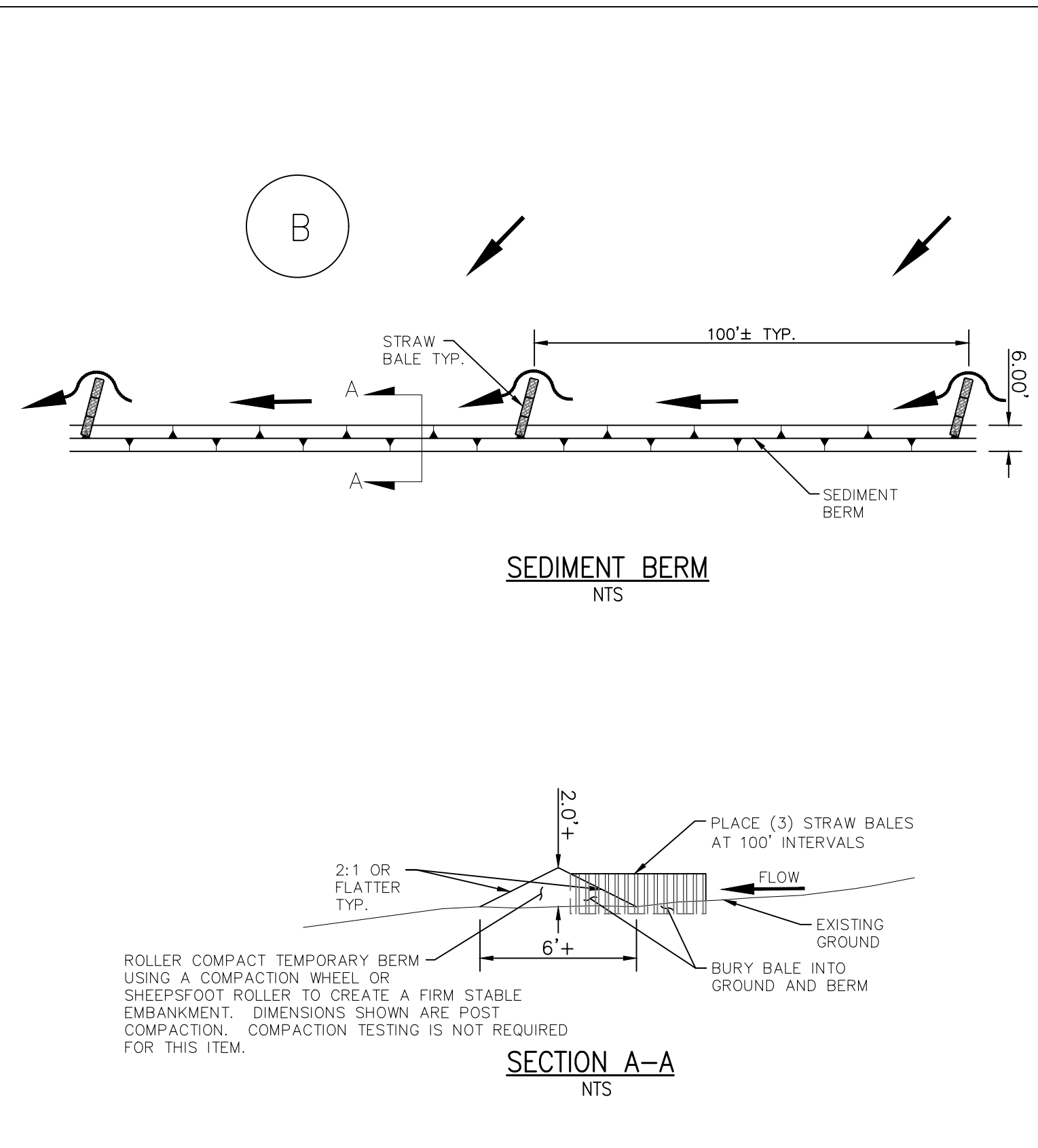
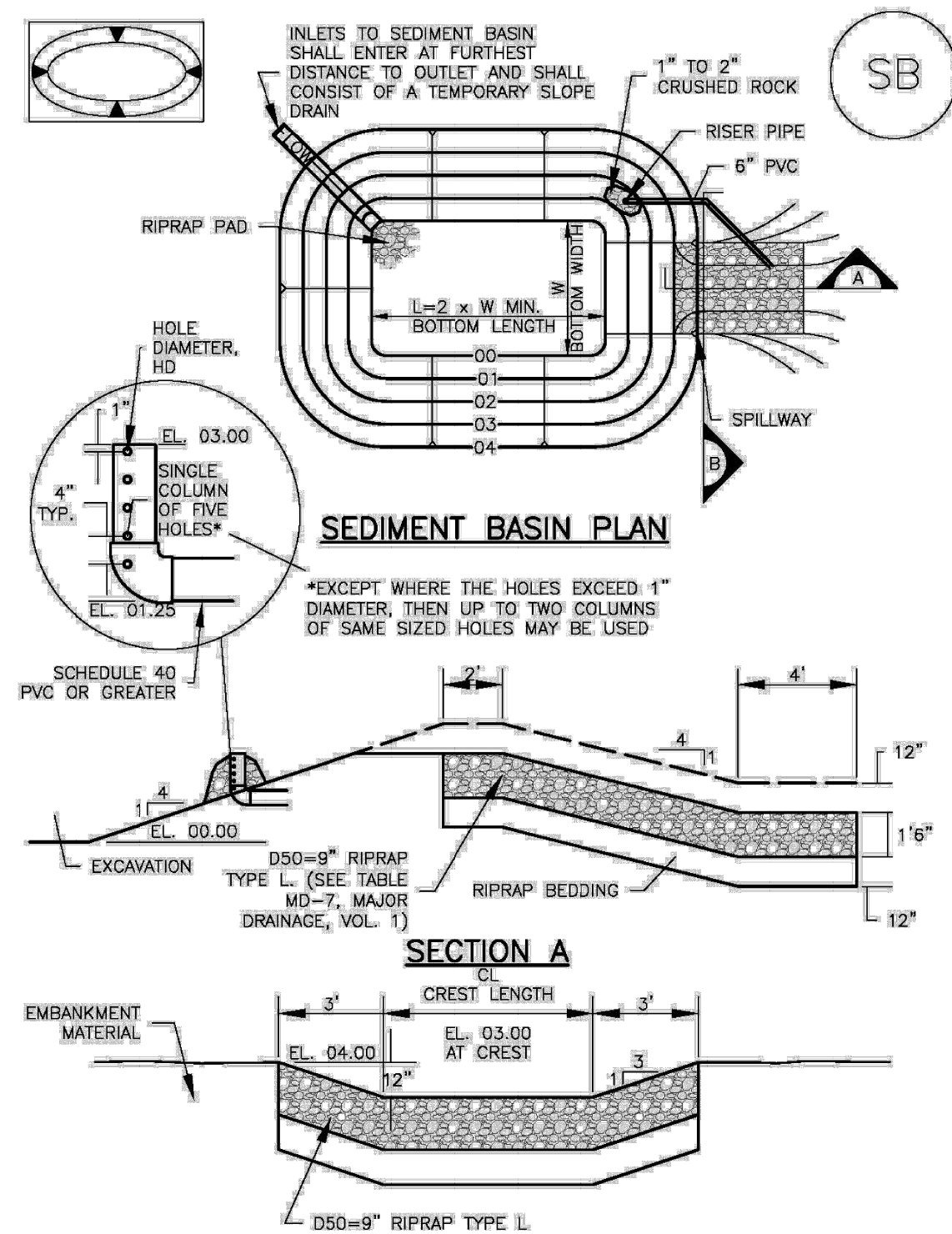
- EROSION CONTROL MEASURES SHALL BE IMPLEMENTED IN A MANNER THAT WILL PROTECT PROPERTIES AND PUBLIC FACILITIES FROM THE ADVERSE EFFECTS OF EROSION AND SEDIMENTATION AS A RESULT OF CONSTRUCTION AND EARTHWORK ACTIVITIES WITHIN THE PROJECT SITE.
- PRIOR TO START OF GRADING OPERATIONS, LOCATE AND SET THE SILT FENCE AND VEHICLE TRACKING CONTROL AS SHOWN ON THE EROSION CONTROL PLAN.
 - THE SILT FENCE SHALL BE KEPT IN PLACE AND MAINTAINED UNTIL EROSION AND SEDIMENTATION POTENTIAL IS MITIGATED. REMOVAL OF SILT AND SEDIMENT COLLECTED BY THE SILT FENCES IS REQUIRED ONCE IT REACHES HALF THE HEIGHT OF THE SILT FENCES.
 - EROSION CONTROL DEVICES SHOULD BE CHECKED AFTER EVERY STORM OR NOT MORE THAN EVERY 14 DAYS. REPAIRS OR REPLACEMENT SHOULD BE MADE AS NECESSARY TO MAINTAIN PROPER PROTECTION.
- SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN TWENTY-ONE (21) CALENDAR DAYS AFTER FINAL GRADING, OR FINAL EARTH DISTURBANCE HAS BEEN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT THE FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS SHALL ALSO BE MULCHED WITHIN 21 DAYS AFTER INTERIM GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAN 60 DAYS SHALL ALSO BE SEEDED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND BMP'S SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED.

NOTE:

SEE URBAN DRAINAGE CRITERIA MANUAL (VOL. 3) FOR INSTALLATION AND MAINTENANCE (TYP)

Sediment Basin (SB)

SC-7



SECTION A-A NTS

Include details for the following BMP's that are shown on the GEC Plan and Legend on the previous sheet. Examples of acceptable details are also provided in the following table:

BMP	DCM (Vol 2: Chap 3.3)	MHFD (USDCM Vol 3: Chap 7)	CDOT Standard Plans on M-208
Silt Fence	SF-2, SF-3	SC-1	X
Stabilized Staging Area		SM-6	

EROSION PROTECTION & REVEGETATION REQUIREMENTS "PER U.S.D.A. SOIL CONSERVATION SERVICE GUIDELINES"

1. PRACTICE NO. & NAME _____ 342 - CRITICAL AREA TREATMENT
RANGE SITE _____ SANDY FOOTHILLS

2. PLANNED:

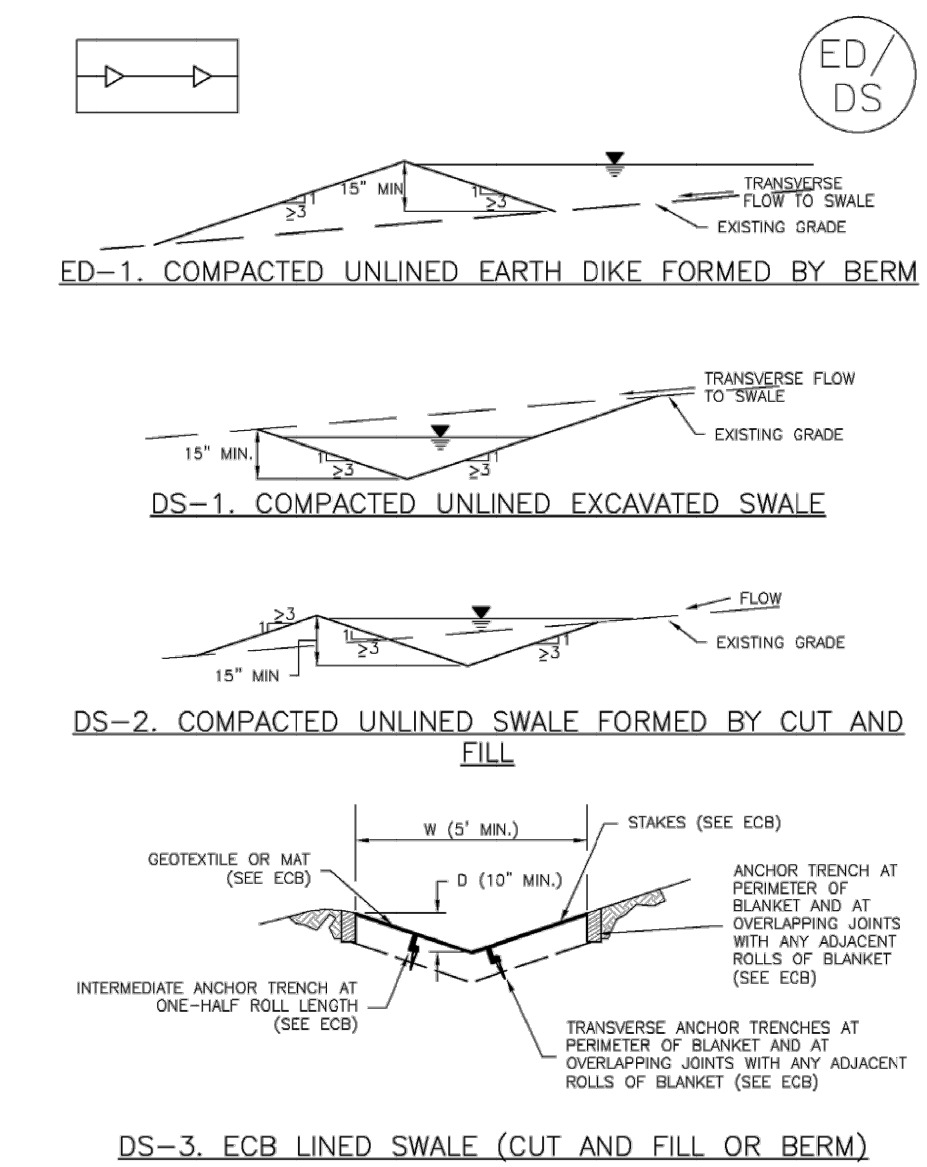
SEEDING PREP:	SEEDING OPERATION:
A METHOD _____	A METHOD _____
B DATES OCT 15 - MAY 31	B DATES _____
C CLEAN TILLED XX	C CLEAN TILLED _____
FIRM SEEDBED XX	FIRM SEEDBED _____
INTERSEED _____	INTERSEED _____
STUBBLE COVER _____	STUBBLE COVER _____
OTHER _____	OTHER _____

FERTILIZER:
POUNDS ACTUAL PER ACRE N2 _____
(AVAILABLE) _____
P205 _____
K _____

MULCH:
KIND _____ LONG - STEM NATIVE HAY
AMOUNT _____ 4,000 POUNDS/ACRE
HOW APPLIED _____ N/A
HOW ANCHORED _____ CRIMPED
ANCHORAGE DEPTH _____ 4"

SEED:	VARIETY	SPECIES	REQUIRED PLS RATES PER ACRES (100%)
(2)	% OF SPECIES IN MIXTURE	PLS SEEDING RATE PER SPECIES/ACRE (1) X (2) = (3)	(4) PLANNED ACRE (3) X (4) = (5) TOTAL PLS LBS/ (3) X (4)
21	0.63	75.8	46.8
18	0.45	75.8	34.11
14	0.28	75.8	21.2
14	0.28	75.8	21.2
4	0.02	75.8	1.5
21	0.63	75.8	47.8
7	0.07	75.8	5.3

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



Also provide a detail for Mulching since it is included in the FAE

BMP	DCM (Vol 2: Chap 3.3)	MHFD (USDCM Vol 3: Chap 7)
Mulching	MU-1	EC-4

FOR LOCATING & MARKING GAS, ELECTRIC, WATER & TELEPHONE LINES
FOR BURIED UTILITY INFORMATION CALL 1-800-922-1987

CROSSROADS MIXED USE

GRADING & EROSION CONTROL DETAILS

PROJECT NO. 18-003 DATE: 11/23/20
SCALE: HORIZONTAL: N/A VERTICAL: N/A
DESIGNED BY: CVM DRAWN BY: CVM CHECKED BY: VAS

102 E PINE PEAK AVE. SUITE 500
COLORADO SPRINGS, CO 80903
PHONE: 719.555.5485

CIVIL CONSULTANTS, INC.

FOR AND ON BEHALF OF MAS CIVIL CONSULTANTS, INC.

MIRQIL A. SANCHEZ, COLORADO P.E. NO. 37160

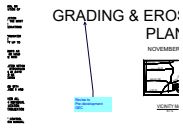
NO. DATE: BY: DESCRIPTION: APPROV. BY: DATE:

THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

CAUTION

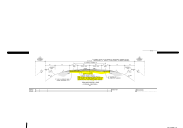
GEC V_1 engr comments.pdf Markup Summary

dsdlaforce (6)

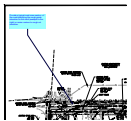


Subject: Callout
Page Label: [1] GR01
Lock: Unlocked
Author: dsdlaforce
Date: 1/21/2021 5:05:02 PM
Status:
Color: ■
Layer:
Space:

Revise to Pre-development GEC



Subject: Image
Page Label: [1] GR02
Lock: Unlocked
Author: dsdlaforce
Date: 1/22/2021 9:19:20 AM
Status:
Color: ■
Layer:
Space:



Subject: Callout
Page Label: [1] GR02
Lock: Unlocked
Author: dsdlaforce
Date: 1/22/2021 9:22:05 AM
Status:
Color: ■
Layer:
Space:

Provide a typical road cross section of the road identifying the rough grade elevation for the road (example to the right) or revise contour to rough cut elevation.



Subject: Callout
Page Label: [1] GR02
Lock: Unlocked
Author: dsdlaforce
Date: 1/25/2021 3:45:23 PM
Status:
Color: ■
Layer:
Space:

include hatching in the legend



Subject: Cloud+
Page Label: [1] GR02
Lock: Unlocked
Author: dsdlaforce
Date: 1/25/2021 3:45:45 PM
Status:
Color: ■
Layer:
Space:

Unclear how this will be phased with the construction of the underground detention facility. Plans must be revised if the underground facility deviation request is approved.



Subject: Callout
Page Label: [1] GR02
Lock: Unlocked
Author: dsdlaforce
Date: 1/25/2021 3:46:19 PM
Status:
Color: ■
Layer:
Space:

Move VTC to the western side of the intersection since the early grading includes meadowbrook parkway. Update the FAE accordingly

GR Reese (22)

SP-20-011

. CDR 18-XXX

Subject: SW - Text Box
Page Label: [1] GR01
Lock: Unlocked
Author: GR Reese
Date: 12/28/2020 1:00:30 PM
Status:
Color: ■
Layer:
Space:

SP-20-011



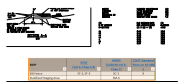
ROL

Subject: Stormwater Comment Legend
Page Label: [1] GR01
Lock: Unlocked
Author: GR Reese
Date: 12/28/2020 1:00:39 PM
Status:
Color: ■
Layer:
Space:

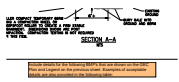


Subject: SW - Text Box
Page Label: [1] GR02
Lock: Unlocked
Author: GR Reese
Date: 12/28/2020 1:26:25 PM
Status:
Color: ■
Layer:
Space:

Checklist Item "i" - add a note discussing condition of existing vegetation



Subject: Image
Page Label: [1] GR03
Lock: Unlocked
Author: GR Reese
Date: 12/28/2020 1:30:23 PM
Status:
Color: ■
Layer:
Space:



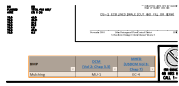
Subject: SW - Text Box
Page Label: [1] GR03
Lock: Unlocked
Author: GR Reese
Date: 12/28/2020 1:30:30 PM
Status:
Color: ■
Layer:
Space:

Include details for the following BMP's that are shown on the GEC Plan and Legend on the previous sheet. Examples of acceptable details are also provided in the following table:

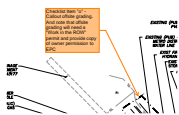


Subject: SW - Text Box
Page Label: [1] GR03
Lock: Unlocked
Author: GReese
Date: 12/28/2020 1:30:54 PM
Status:
Color: ■
Layer:
Space:

Also provide a detail for Mulching since it is included in the FAE

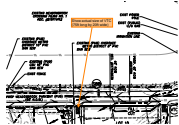


Subject: Image
Page Label: [1] GR03
Lock: Unlocked
Author: GReese
Date: 12/28/2020 1:30:57 PM
Status:
Color: ■
Layer:
Space:



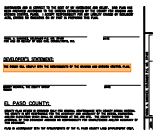
Subject: SW - Comment
Page Label: [1] GR02
Lock: Unlocked
Author: GReese
Date: 12/28/2020 1:37:11 PM
Status:
Color: ■
Layer:
Space:

Checklist Item "o" - Callout offsite grading. And note that offsite grading will need a "Work in the ROW" permit and provide copy of owner permission to EPC



Subject: SW - Comment
Page Label: [1] GR02
Lock: Unlocked
Author: GReese
Date: 12/28/2020 1:39:55 PM
Status:
Color: ■
Layer:
Space:

Show actual size of VTC (75ft long by 20ft wide)



Subject: SW - Rectangle
Page Label: [1] GR01
Lock: Unlocked
Author: GReese
Date: 12/28/2020 2:34:28 PM
Status:
Color: ■
Layer:
Space:



Subject: SW - Comment
Page Label: [1] GR01
Lock: Unlocked
Author: GReese
Date: 12/28/2020 2:36:03 PM
Status:
Color: ■
Layer:
Space:

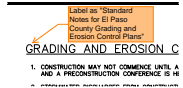
Revise to match text in Checklist Item "hh"

SU COUNTY:

THIS REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE AND IS NOT RESPONSIBLE FOR THE ACCURACY AND APPLICATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR THE DESIGN OR CONSTRUCTION OF THE PROJECT. CONFORMANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY AND ENGINEERING CRITERIA MANUAL IS ASSUMED. IN ACCORDANCE WITH EGM SECTION 1.12, THESE CONSTRUCTION NOTES ARE VALID FOR A PERIOD OF 2 YEARS FROM THE DATE OF APPROVAL. IF CONSTRUCTION HAS NOT STARTED WITHIN THIS PERIOD, THE NOTES SHALL BE RE-EVALUATED. APPROVAL IS NOT GUARANTEED FOR APPROVAL, INCLUDING PAYMENT OF FEES.

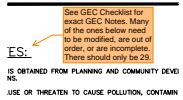
Subject: SW - Comment
Page Label: [1] GR01
Lock: Unlocked
Author: GReese
Date: 12/28/2020 2:43:45 PM
Status:
Color: ■
Layer:
Space:

Volumes 1 and 2



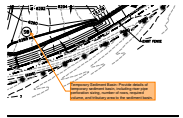
Subject: SW - Comment
Page Label: [1] GR01
Lock: Unlocked
Author: GReese
Date: 12/28/2020 2:57:46 PM
Status:
Color: ■
Layer:
Space:

Label as "Standard Notes for El Paso County Grading and Erosion Control Plans"



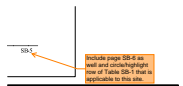
Subject: SW - Comment
Page Label: [1] GR01
Lock: Unlocked
Author: GReese
Date: 12/28/2020 2:58:32 PM
Status:
Color: ■
Layer:
Space:

See GEC Checklist for exact GEC Notes. Many of the ones below need to be modified, are out of order, or are incomplete. There should only be 29.



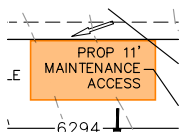
Subject: SW - Comment
Page Label: [1] GR02
Lock: Unlocked
Author: GReese
Date: 12/28/2020 3:00:30 PM
Status:
Color: ■
Layer:
Space:

Temporary Sediment Basin: Provide details of temporary sediment basin, including riser pipe perforation sizing, number of rows, required volume, and tributary area to the sediment basin.



Subject: SW - Comment
Page Label: [1] GR03
Lock: Unlocked
Author: GReese
Date: 12/28/2020 3:03:22 PM
Status:
Color: ■
Layer:
Space:

Include page SB-6 as well and circle/highlight row of Table SB-1 that is applicable to this site.

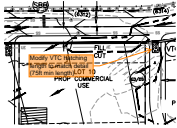


Subject: SW - Rectangle
Page Label: [1] GR02
Lock: Unlocked
Author: GReese
Date: 12/30/2020 9:05:19 AM
Status:
Color: ■
Layer:
Space:



Subject: SW - Comment
Page Label: [1] GR02
Lock: Unlocked
Author: GReese
Date: 12/30/2020 9:05:22 AM
Status:
Color: ■
Layer:
Space:

Access ramp shall be a minimum of 15 ft wide, in accordance with DCM Vol. 1 Section 11.2.2



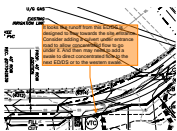
Subject: SW - Comment
Page Label: [1] GR02
Lock: Unlocked
Author: GReese
Date: 12/30/2020 9:18:59 AM
Status:
Color: ■
Layer:
Space:

Modify VTC hatching length to match detail (75ft min length)



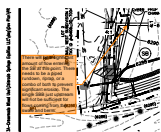
Subject: SW - Comment
Page Label: [1] GR02
Lock: Unlocked
Author: GReese
Date: 12/30/2020 9:44:16 AM
Status:
Color: ■
Layer:
Space:

Is the concentrated runoff from these two ED/DS's then collected by the next downstream ED/DS's? Either way, there likely needs to be a swale along the site perimeter to direct flow to the next ED/DS or all the way to the SB.



Subject: SW - Comment
Page Label: [1] GR02
Lock: Unlocked
Author: GReese
Date: 12/30/2020 9:45:34 AM
Status:
Color: ■
Layer:
Space:

It looks like runoff from this ED/DS is designed to flow towards the site entrance. Consider adding a culvert under entrance road to allow concentrated flow to go under it. And then may need to add a swale to direct concentrated flow to the next ED/DS or to the western swale.



Subject: SW - Comment
Page Label: [1] GR02
Lock: Unlocked
Author: GReese
Date: 12/30/2020 9:56:52 AM
Status:
Color: ■
Layer:
Space:

There will be a significant amount of flow entering the SB at this point. There needs to be a piped rundown, riprap, or a combo of both to prevent significant erosion. The single SBB just upstream will not be sufficient for flows coming from the swale and berm.