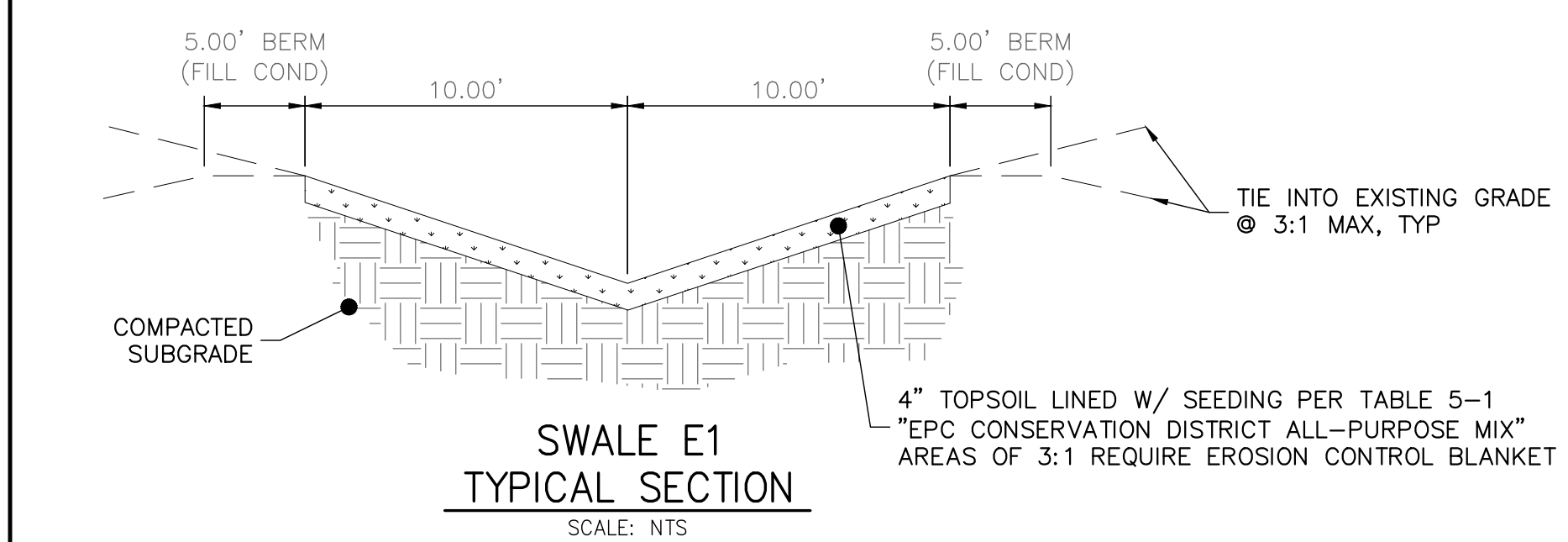


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 - EROSION CONTROL BLANKET
 - DO NOT DISTURB

- GRADING & EROSION CONTROL PLAN NOTES**
- EXISTING VEGETATION CONSISTS OF PRAIRIES, GRASSES AND SCATTERED COTTONWOODS.
 - NO CONCRETE OR ASPHALT BATCH PLANTS ARE ANTICIPATED.



811
Know what's below.
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ORIGINAL SCALE: 1" = 60'

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ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF ALL TERRAIN ENGINEERING

RYAN E. BURNS, P.E.
 COLORADO P.E. 54412
 FOR AND ON BEHALF OF ALL TERRAIN ENGINEERING LLC

DATE



PREPARED FOR:
 TURKEY CANON QUARRY INC.
 20 BOULDER CRESCENT ST, STE 100
 COLORADO SPRINGS, CO 80903
 ATTN: JIM MORLEY
 (719) 491-3024
 JIMORLEY.MORLEYCOS@GMAIL.COM

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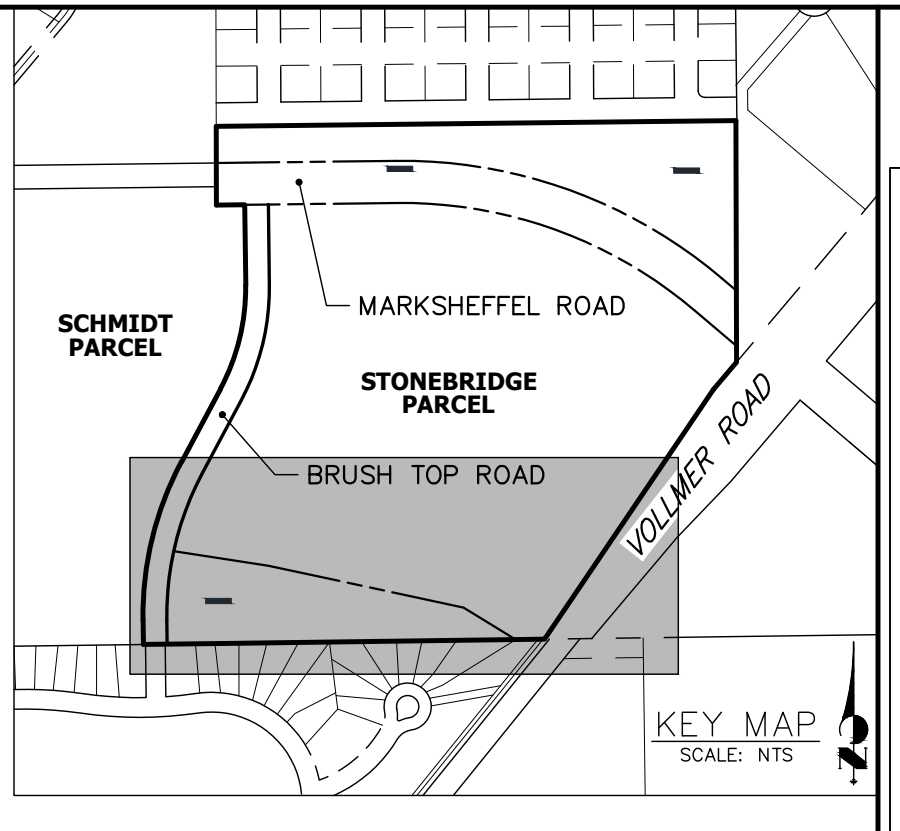
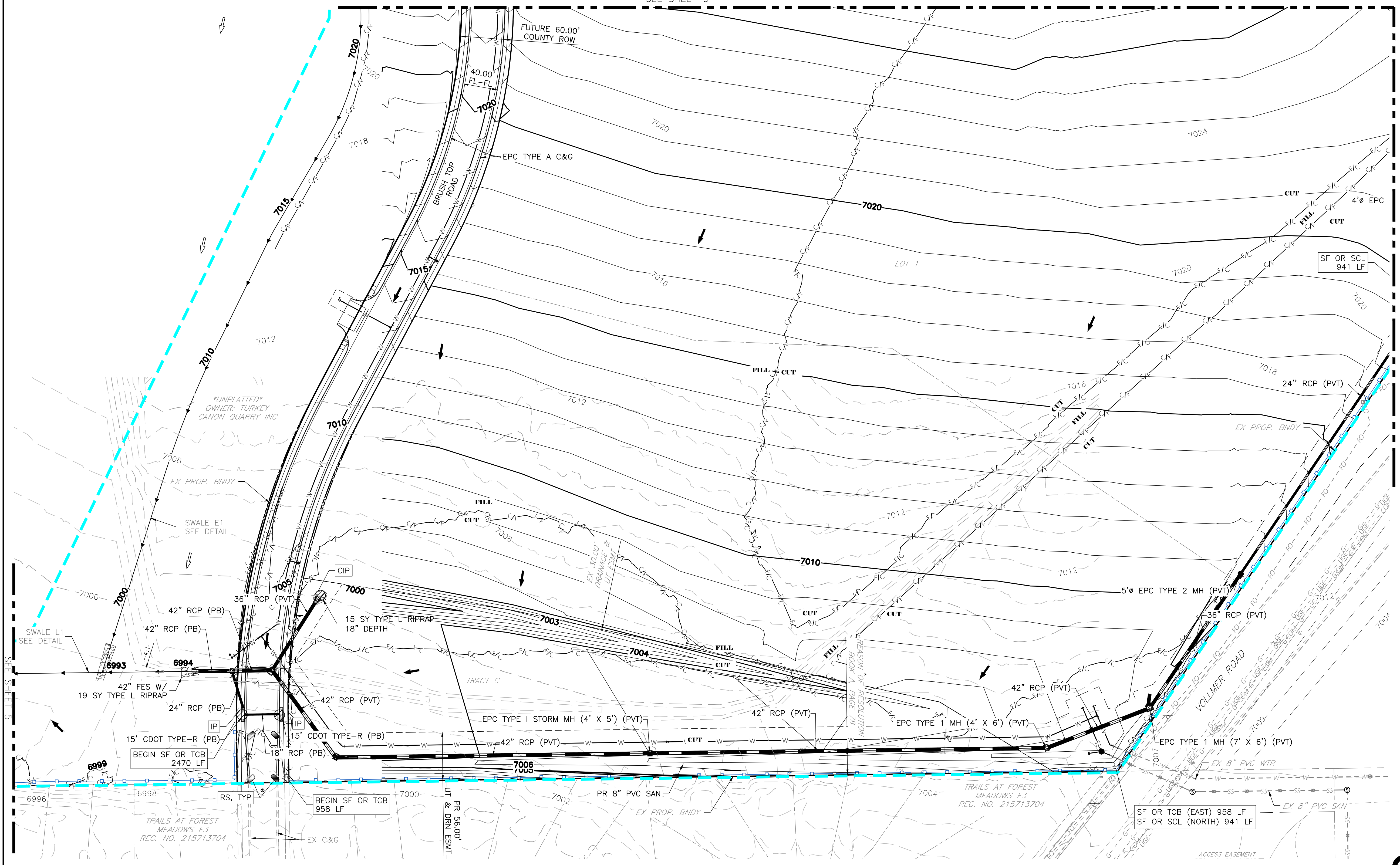
DATE	DESCRIPTION

MARKSHEFFEL ROAD - SEGMENT M3

INITIAL-INTERIM GEC

DESIGN: REB
 REVIEW: NOJ
 DATE: 04/27/2026
 H-SCALE: 1" = 50'
 V-SCALE: 1" = 5'
 SHEET
 3 OF 13

SEE SHEET 3

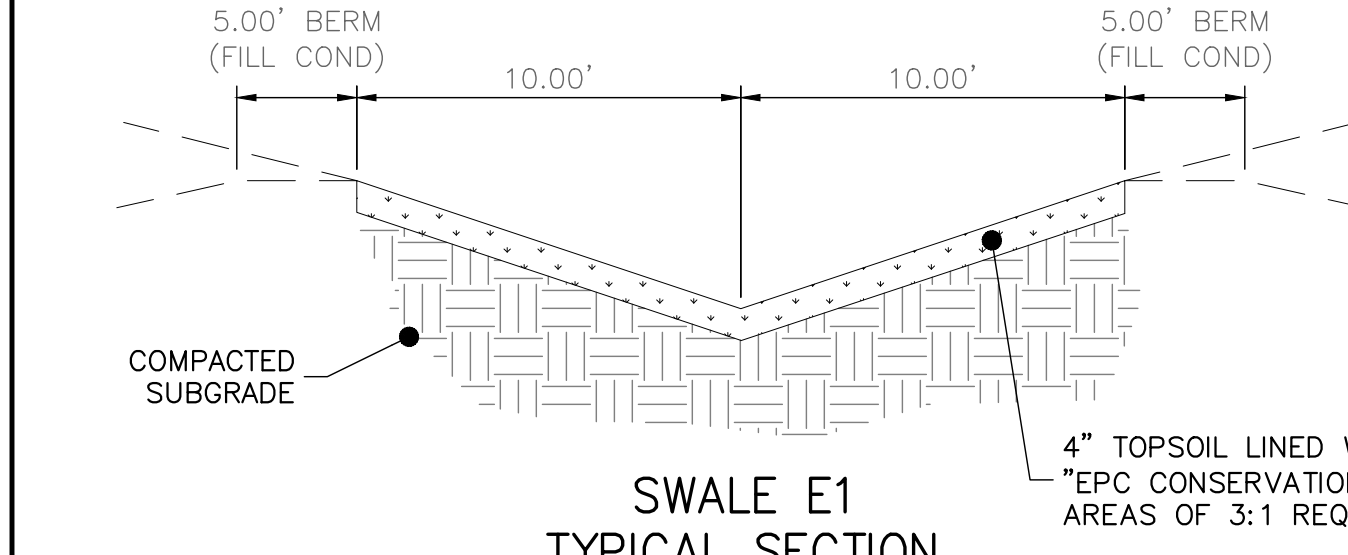


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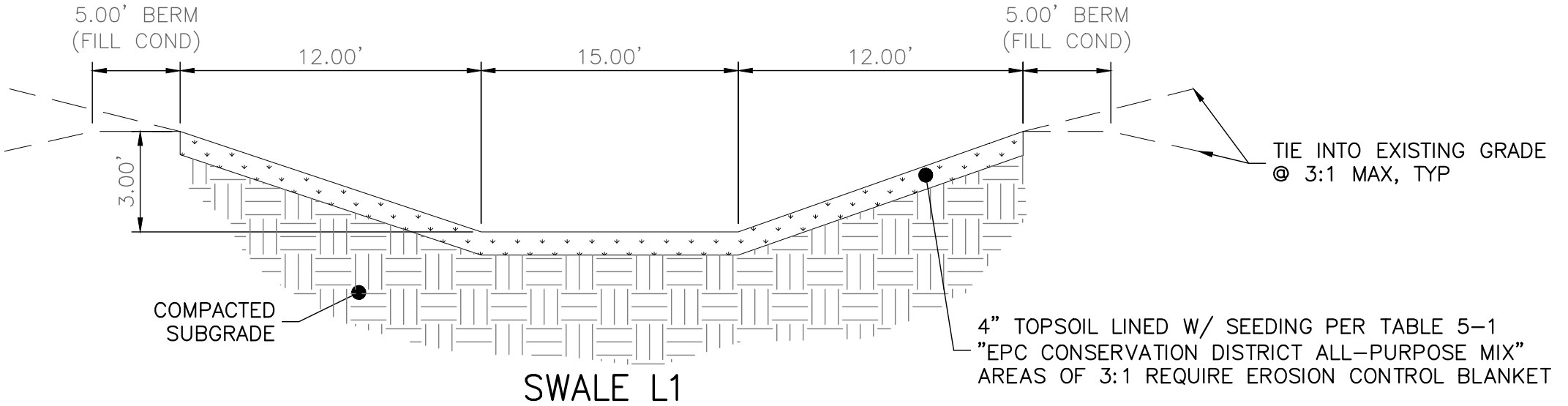


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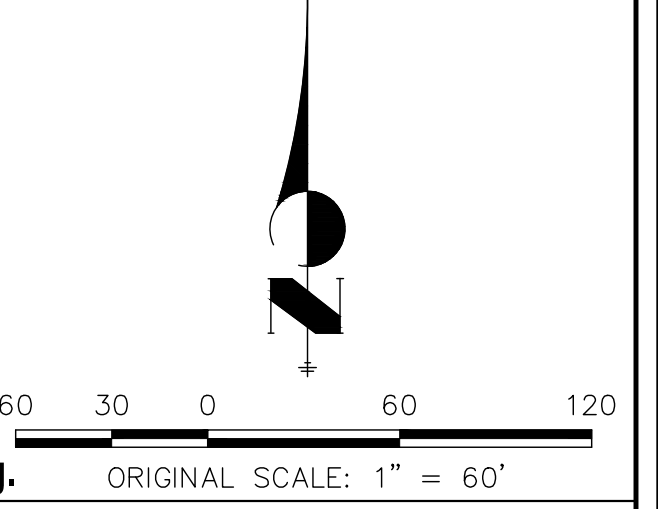
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**SWALE E1
TYPICAL SECTION**
SCALE: NTS



**SWALE L1
TYPICAL SECTION**
SCALE: NTS



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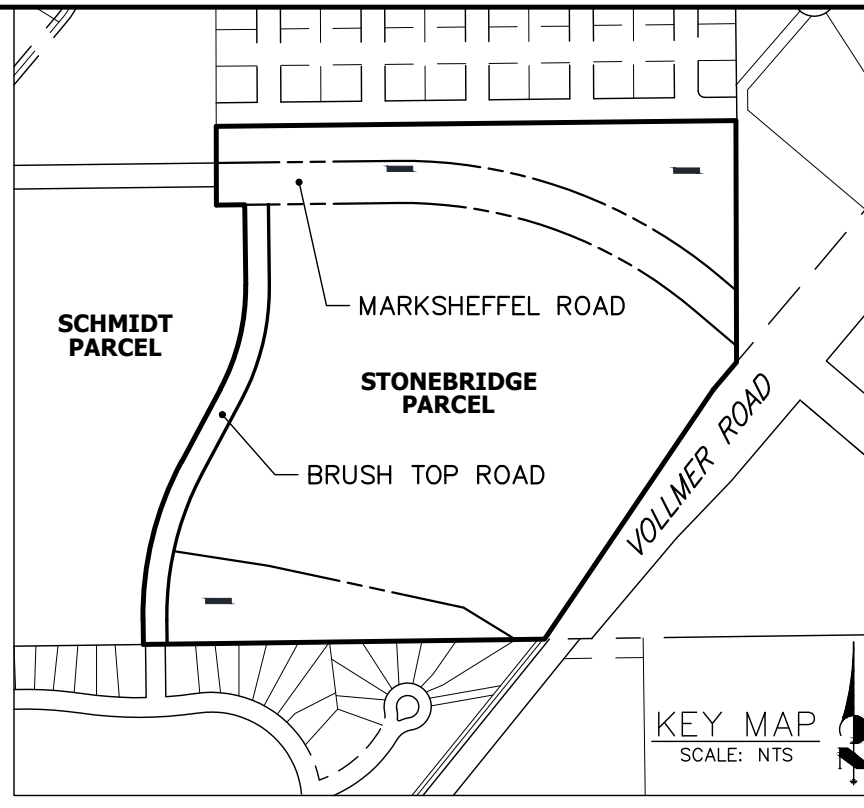
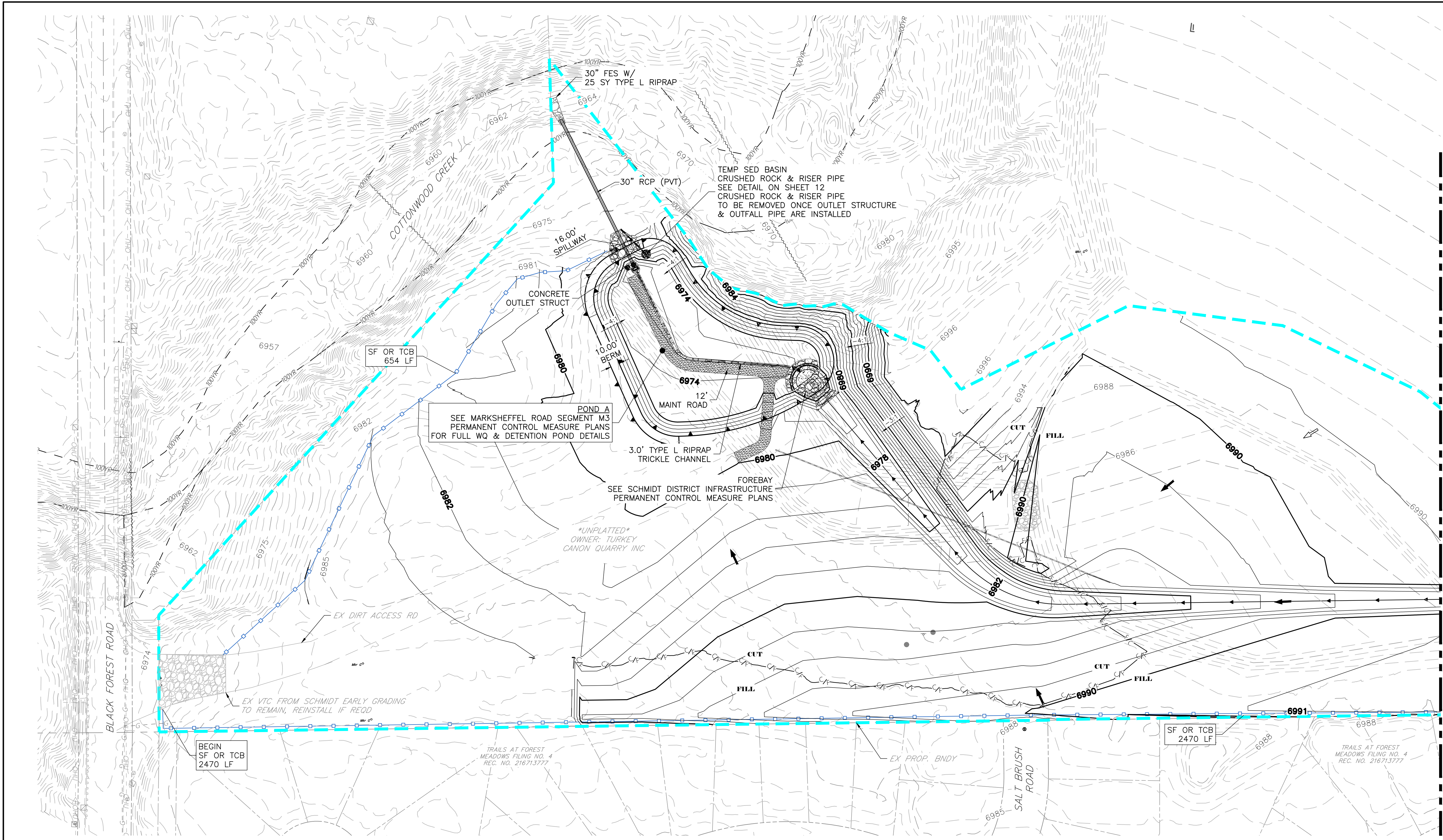
RYAN E. BURNS, P.E.
COLORADO P.E. 54412
FOR AND ON BEHALF OF ALL TERRAIN ENGINEERING LLC

DATE

DATE	DESCRIPTION

JOB NO: 24013
LOCATION: EPC
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INITIAL-INTERM GEC (2)

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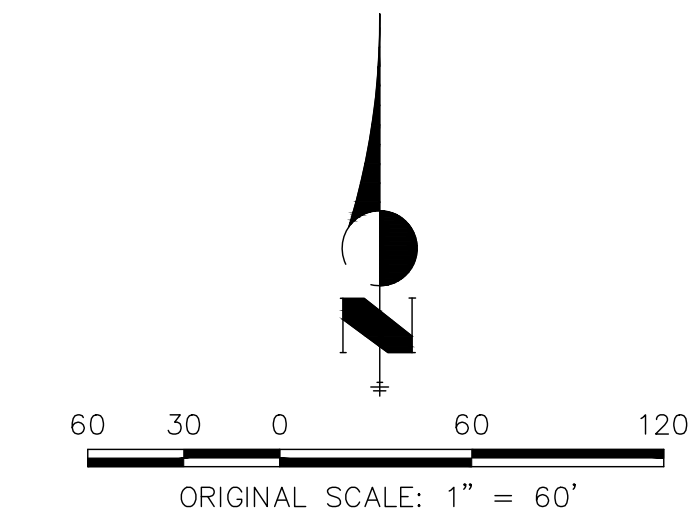
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INITIAL-INTERIM GEC (4)

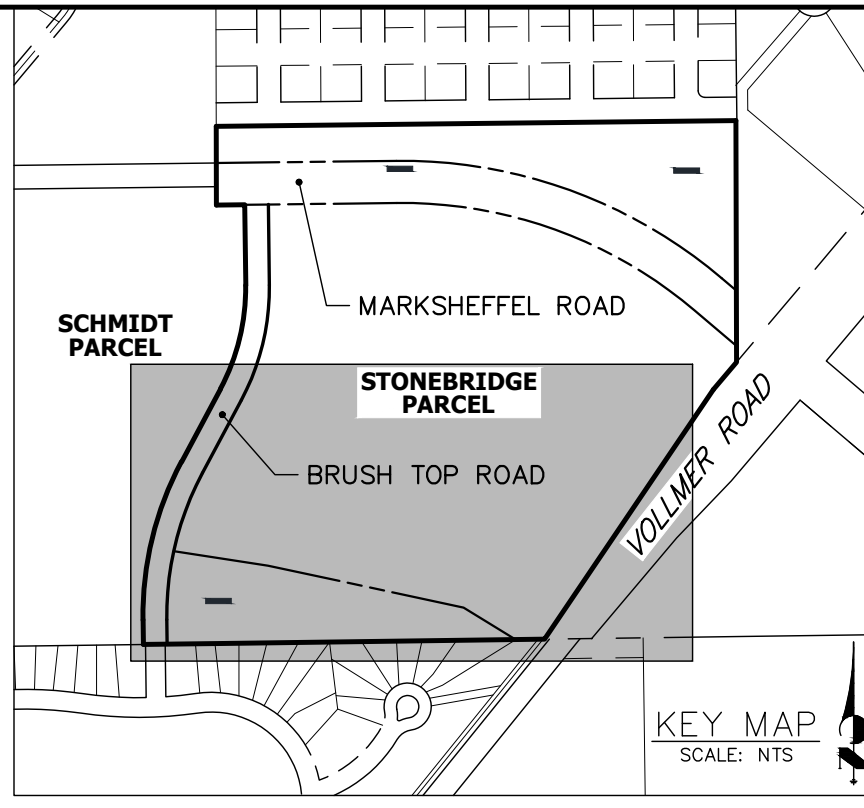
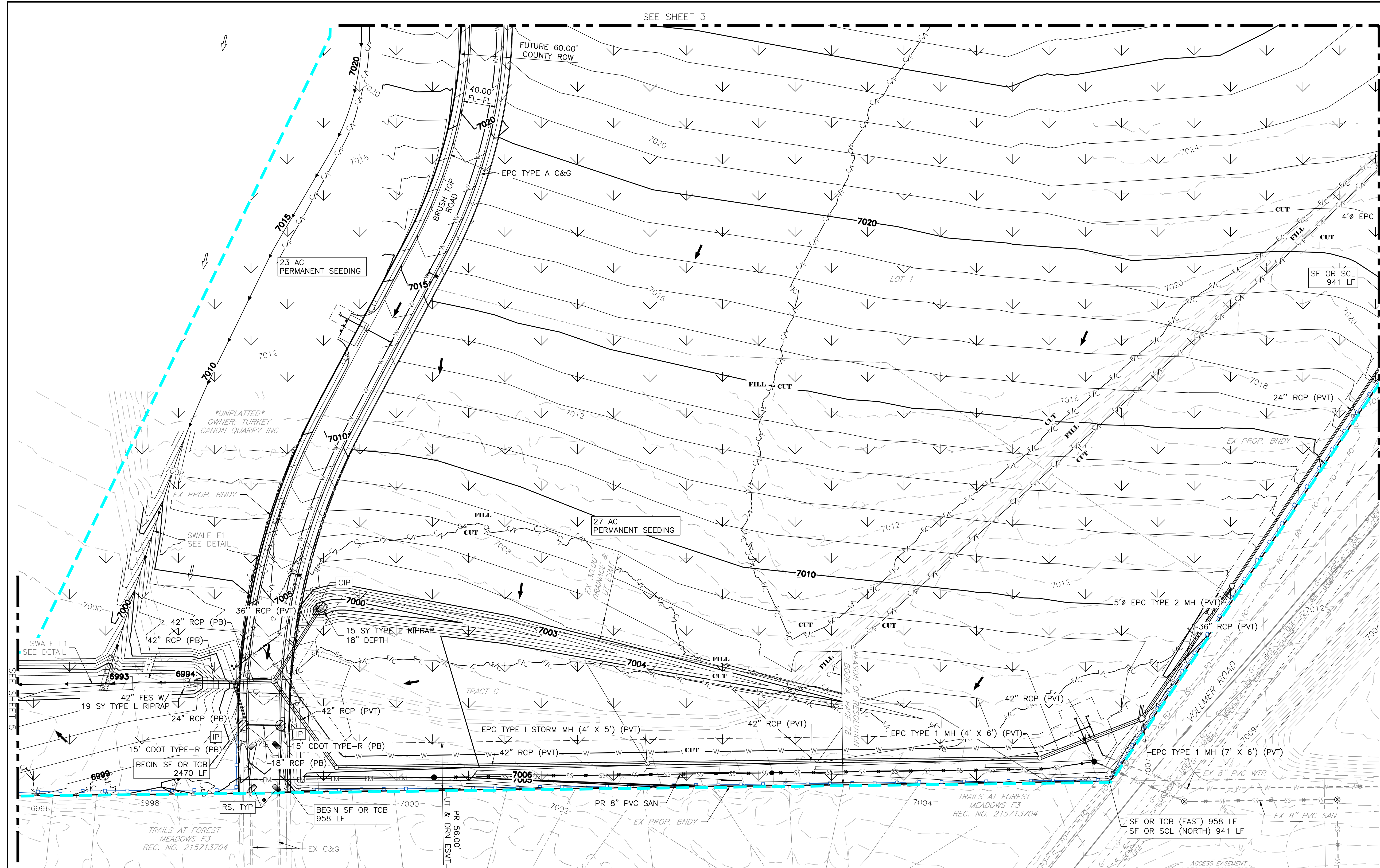
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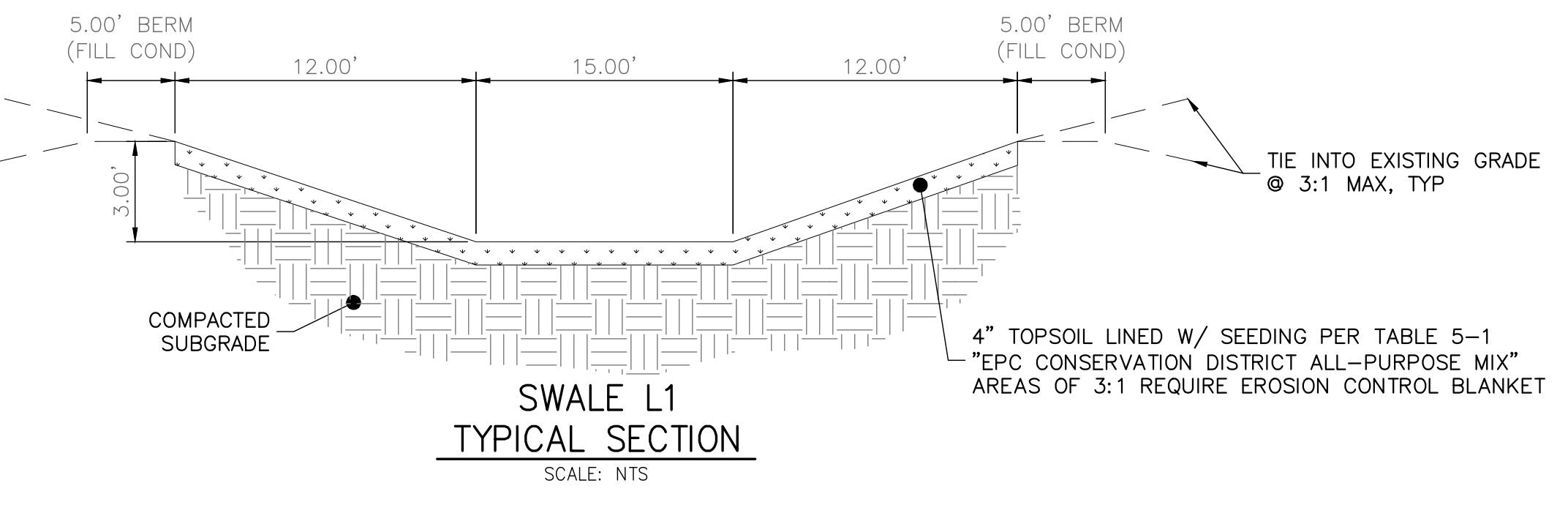
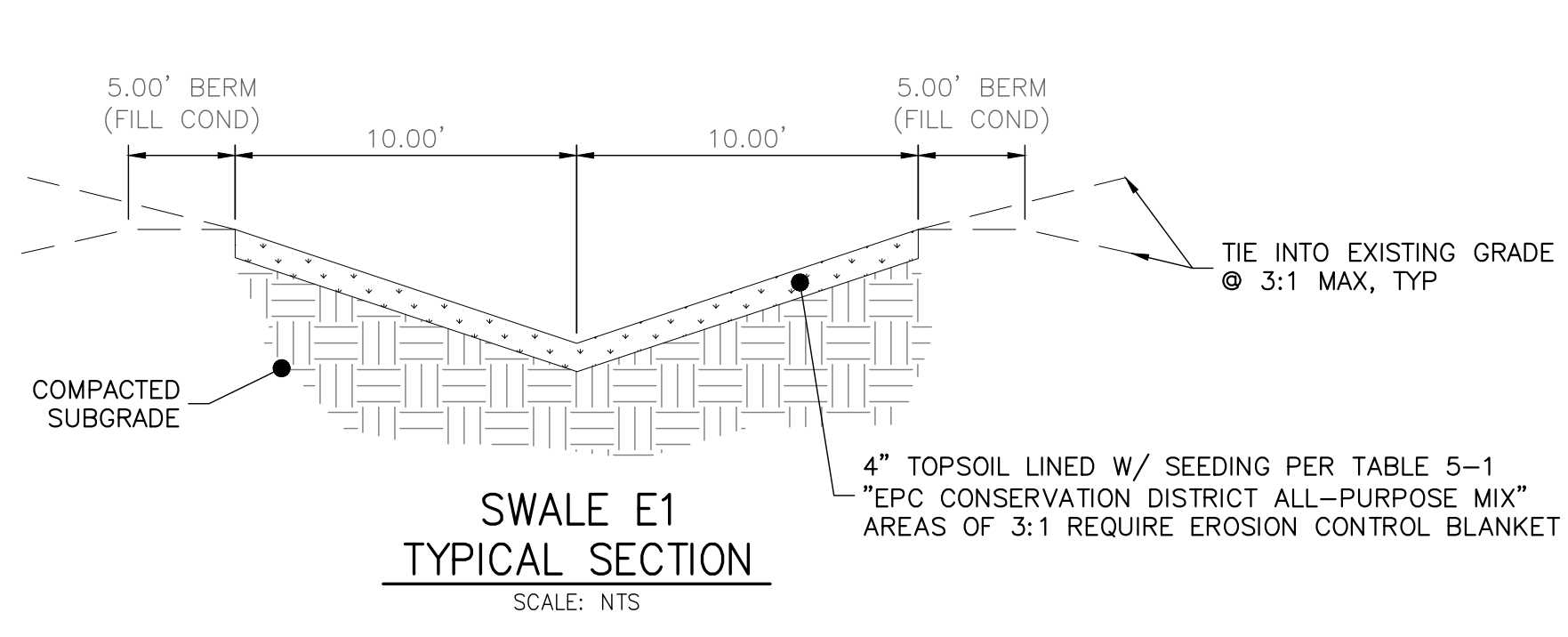
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SHEET
6 OF 13

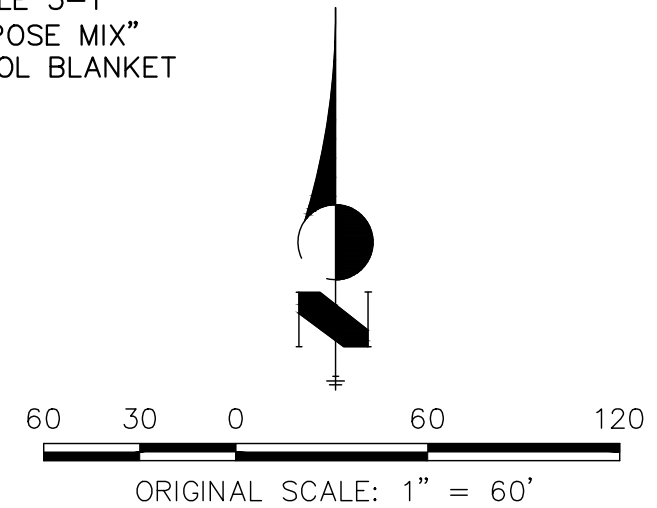
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ALL TERRAIN ENGINEERING

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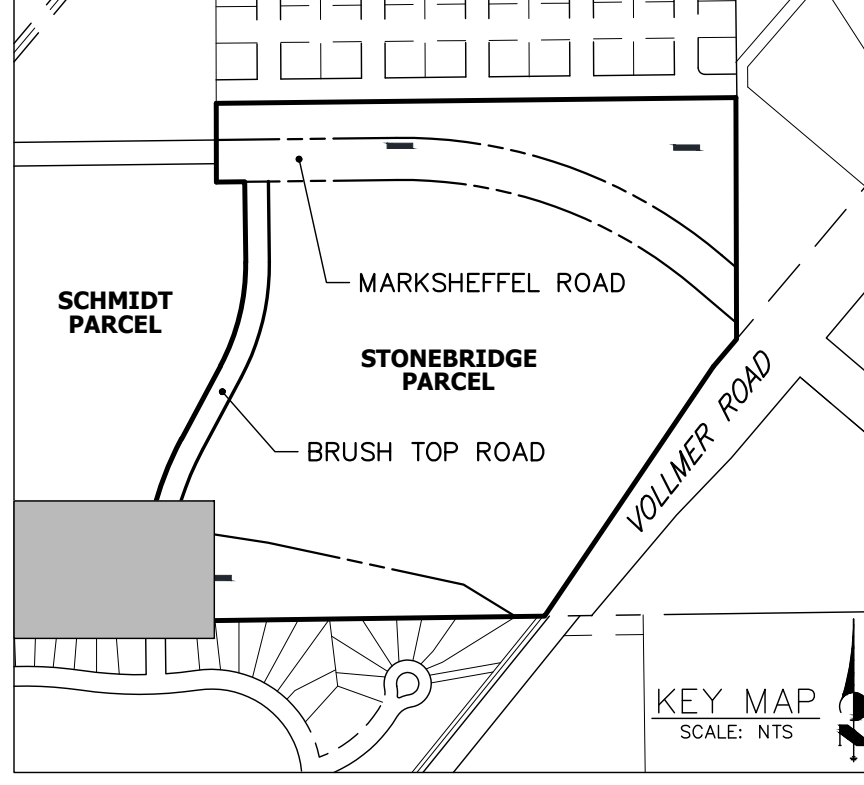
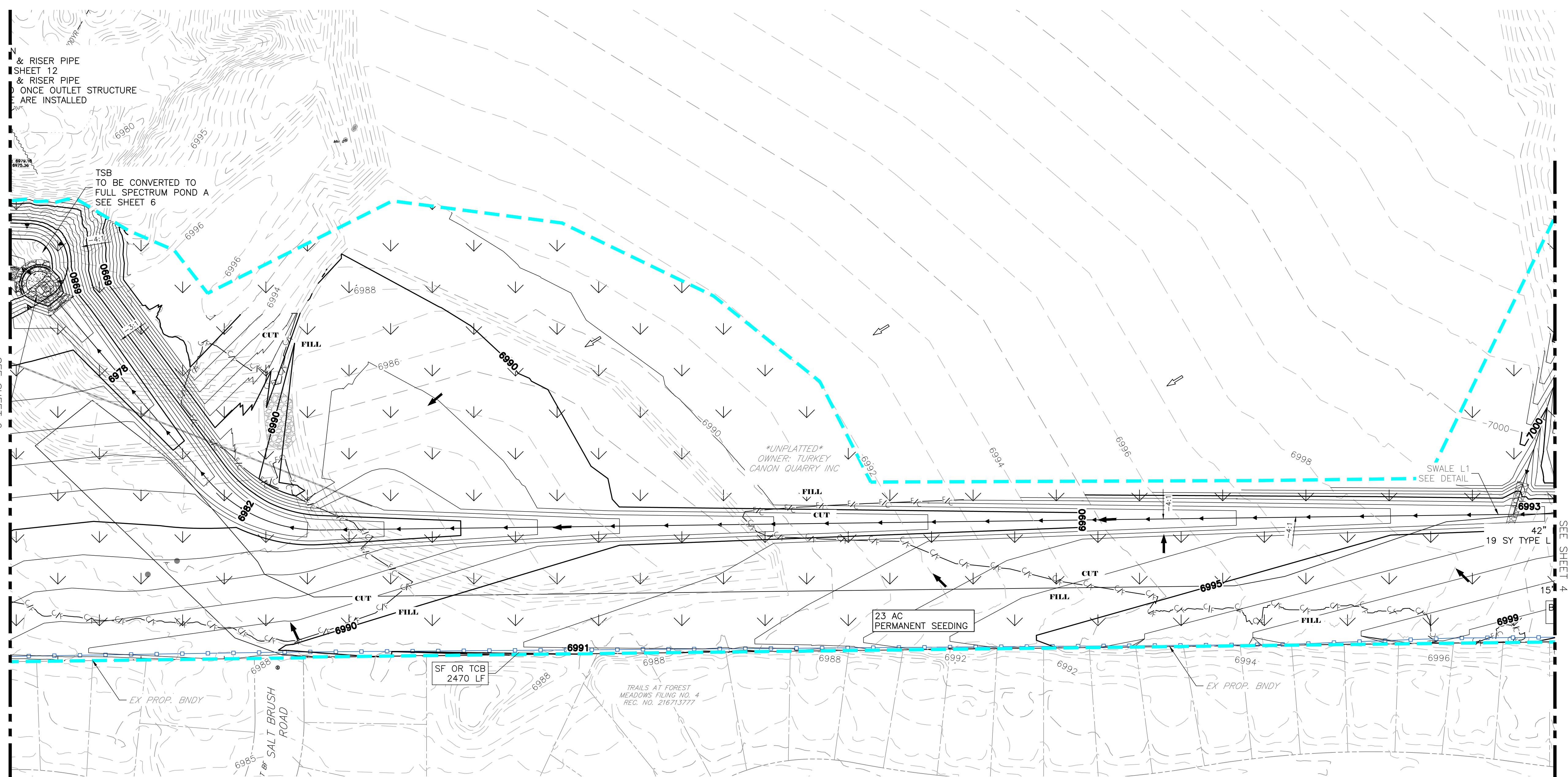
JOB NO: 24013 LOCATION: EPC

MARKSHEFFEL ROAD - SEGMENT M3

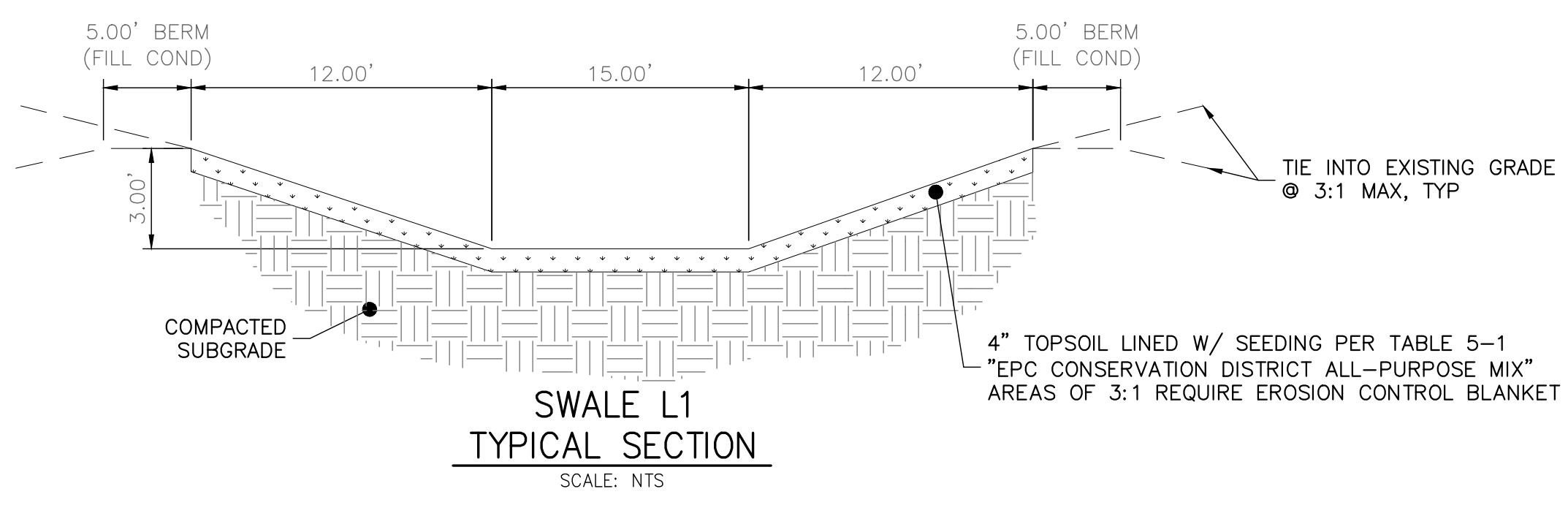
FINAL GEC (2)

DESIGN: REB
 REVIEW: NOJ
 DATE: 04/27/2026
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SHEET
8 OF 13

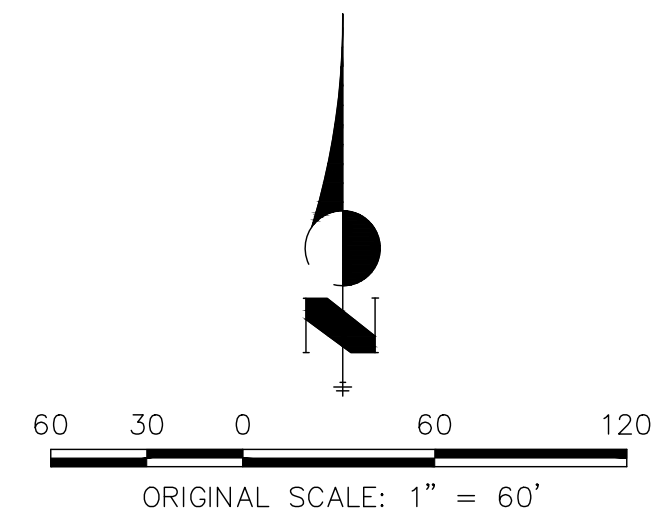


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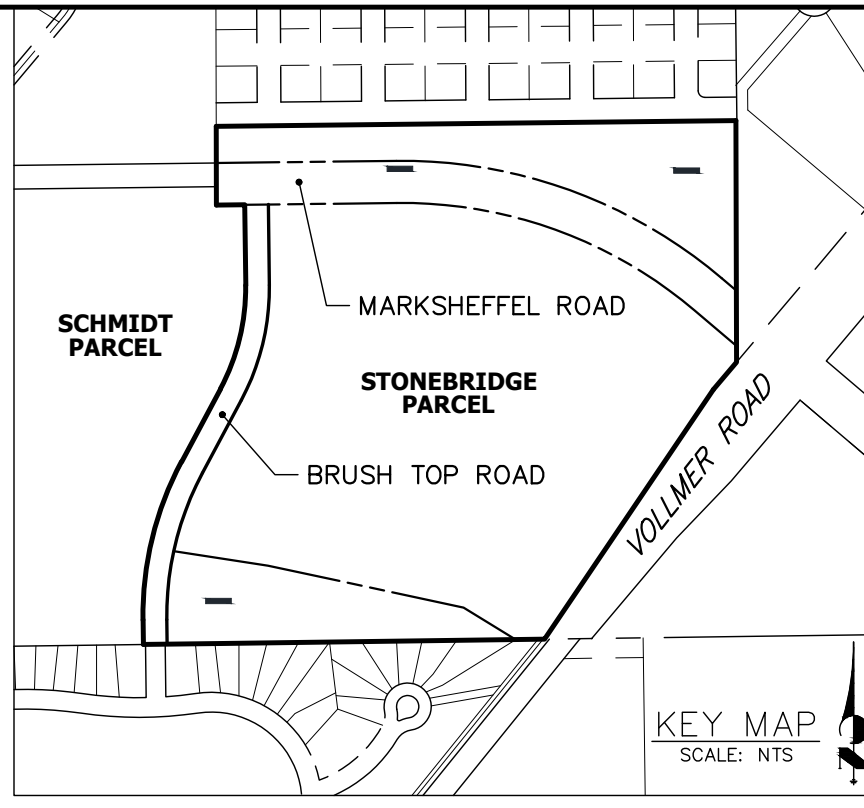
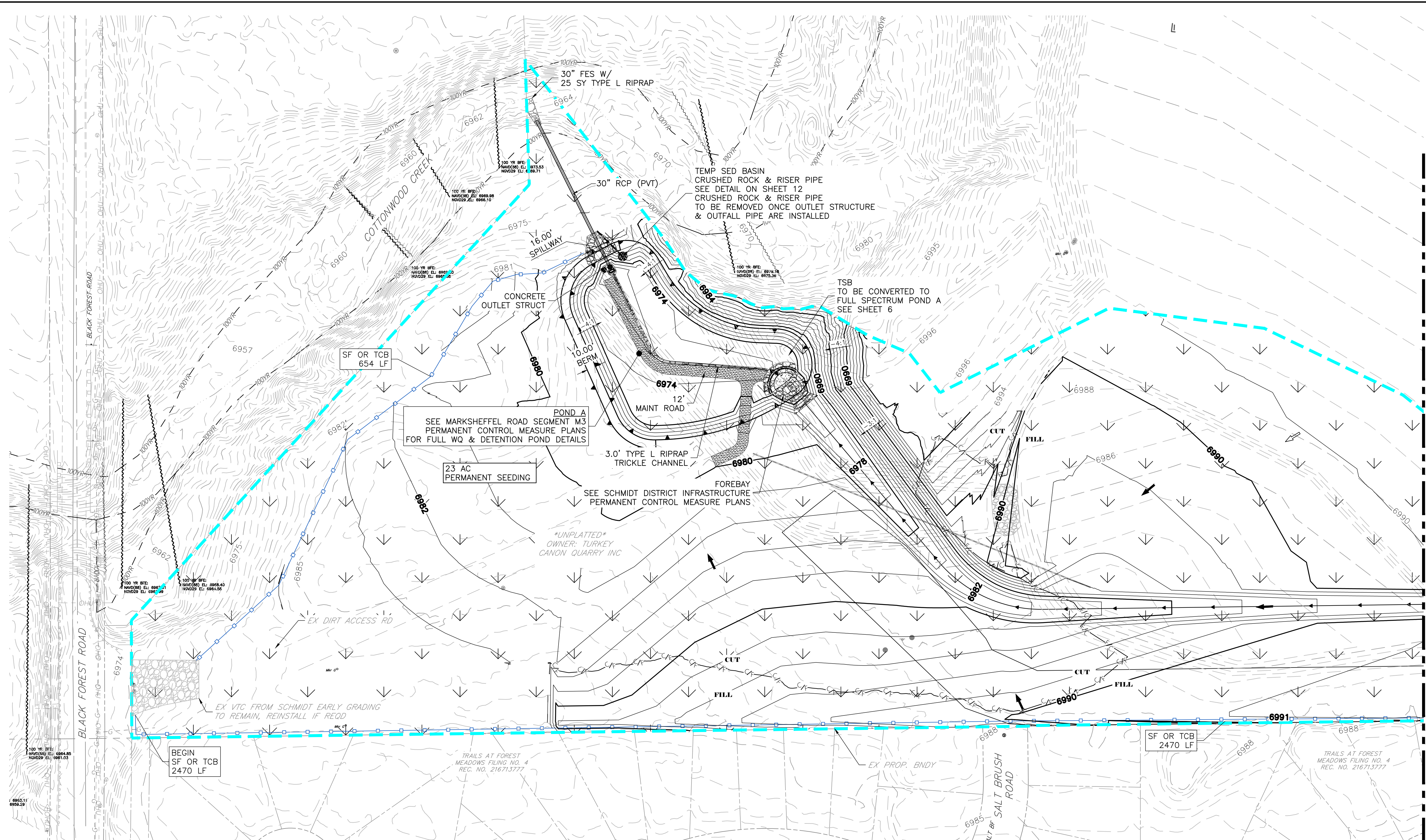
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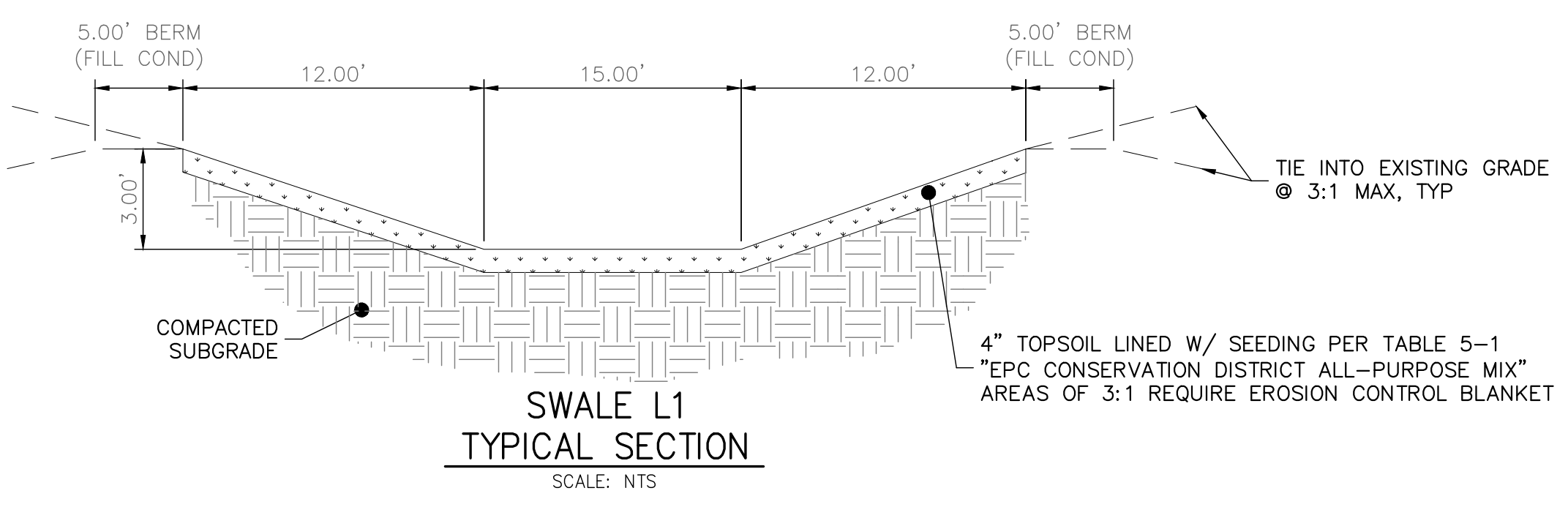
MARKSHEFFEL ROAD - SEGMENT M3

FINAL GEC (3)

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SHEET
9 OF 13

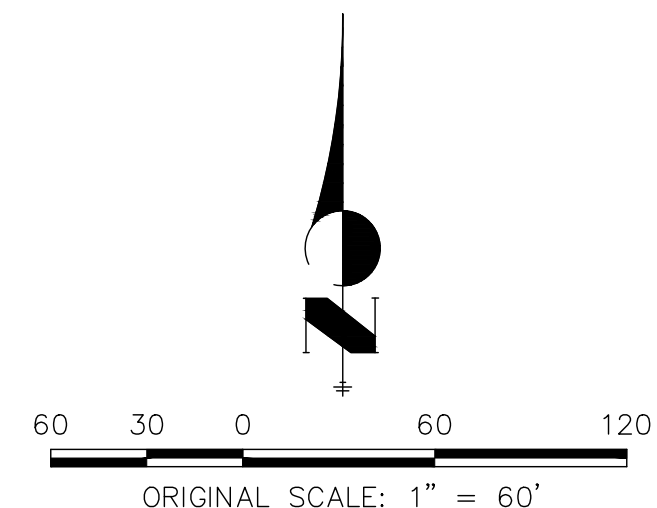


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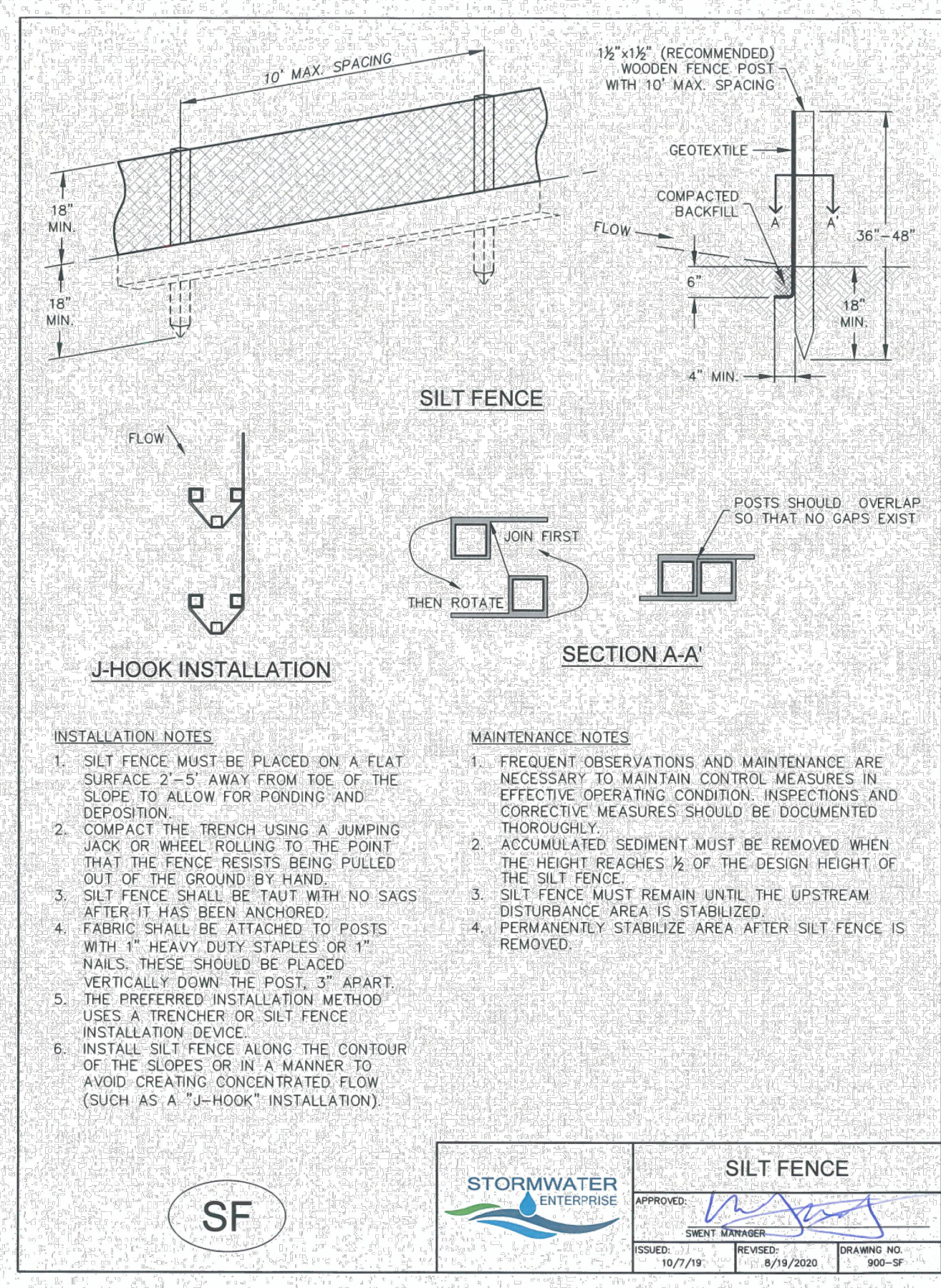
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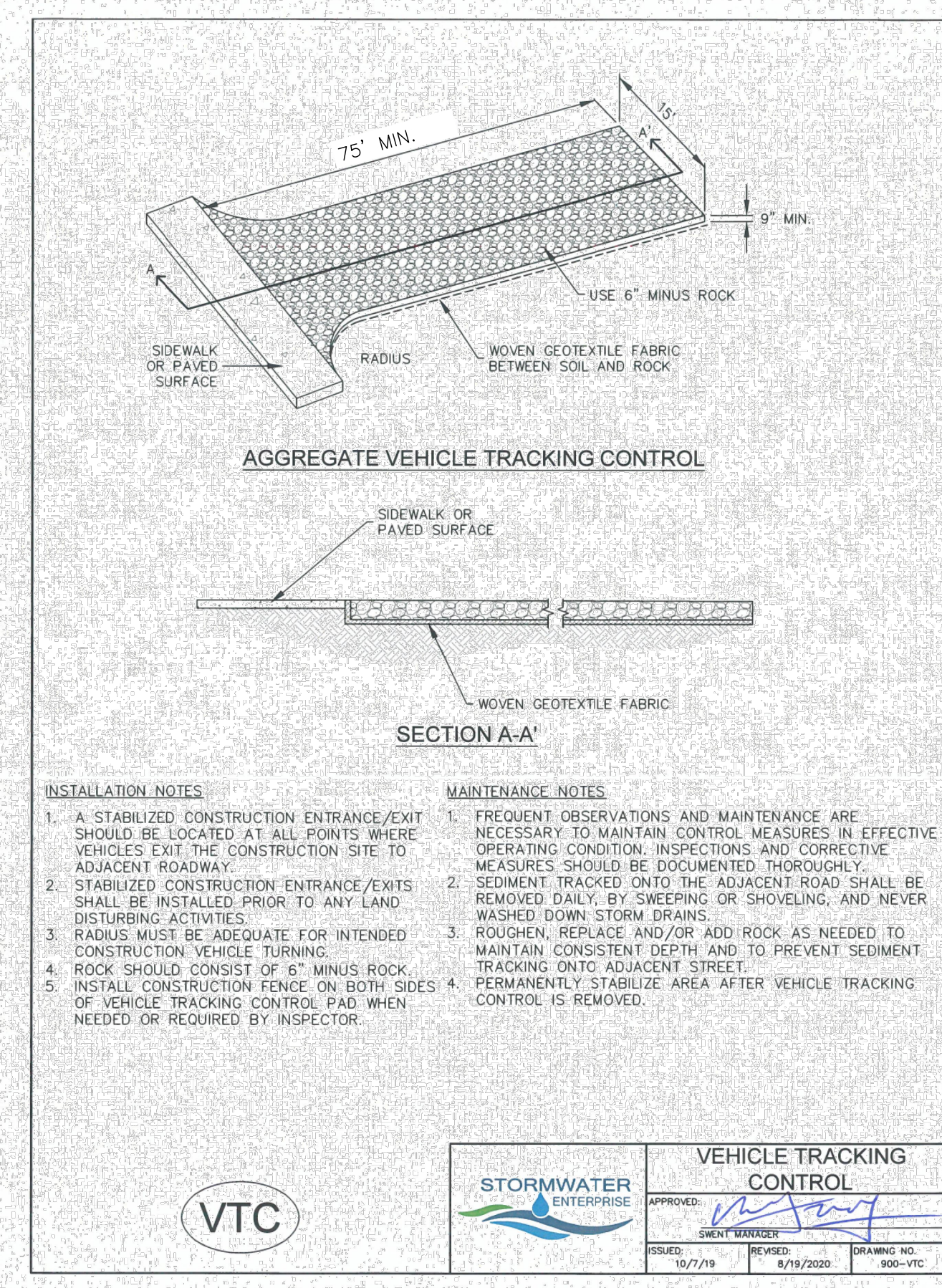
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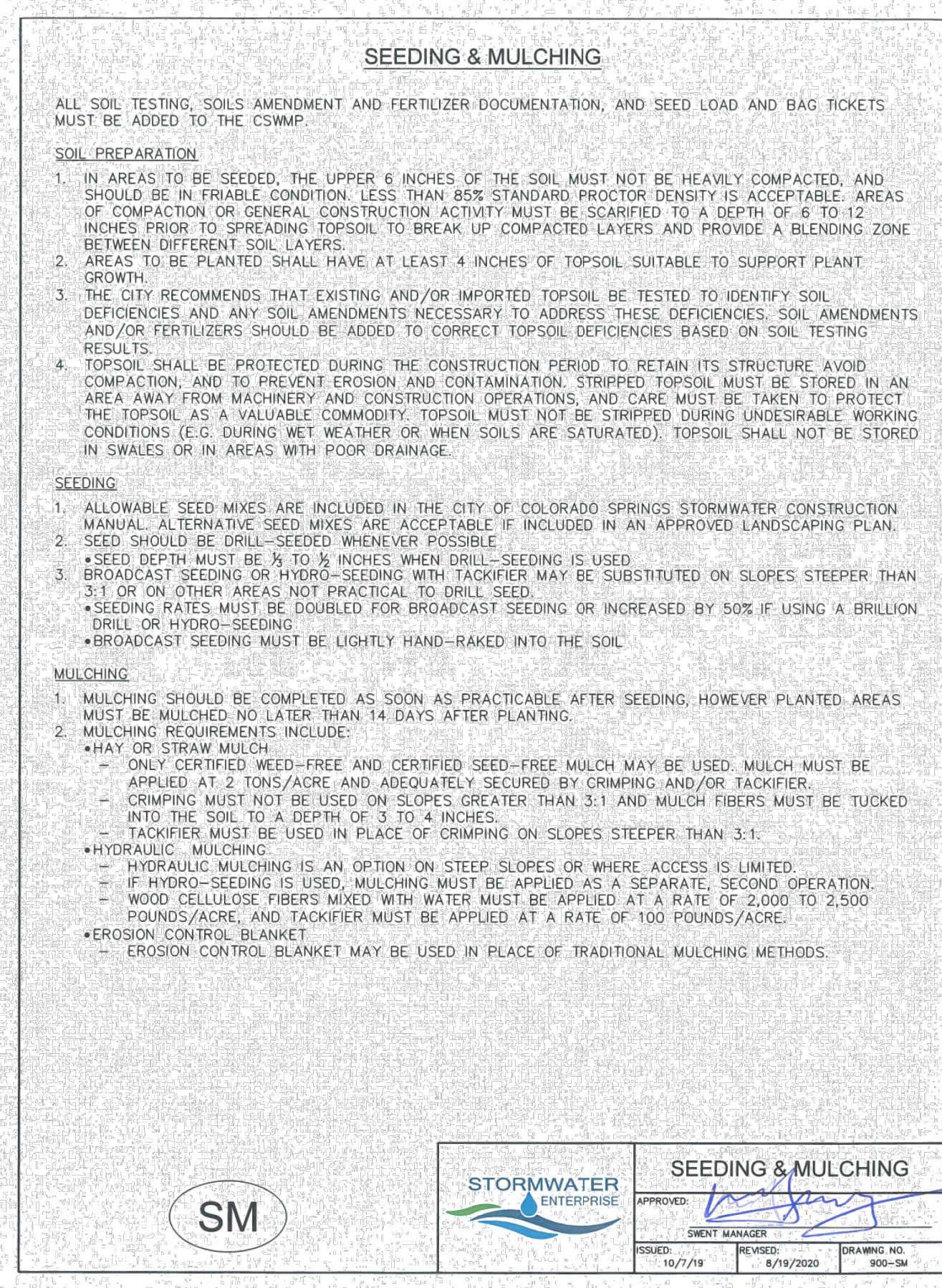
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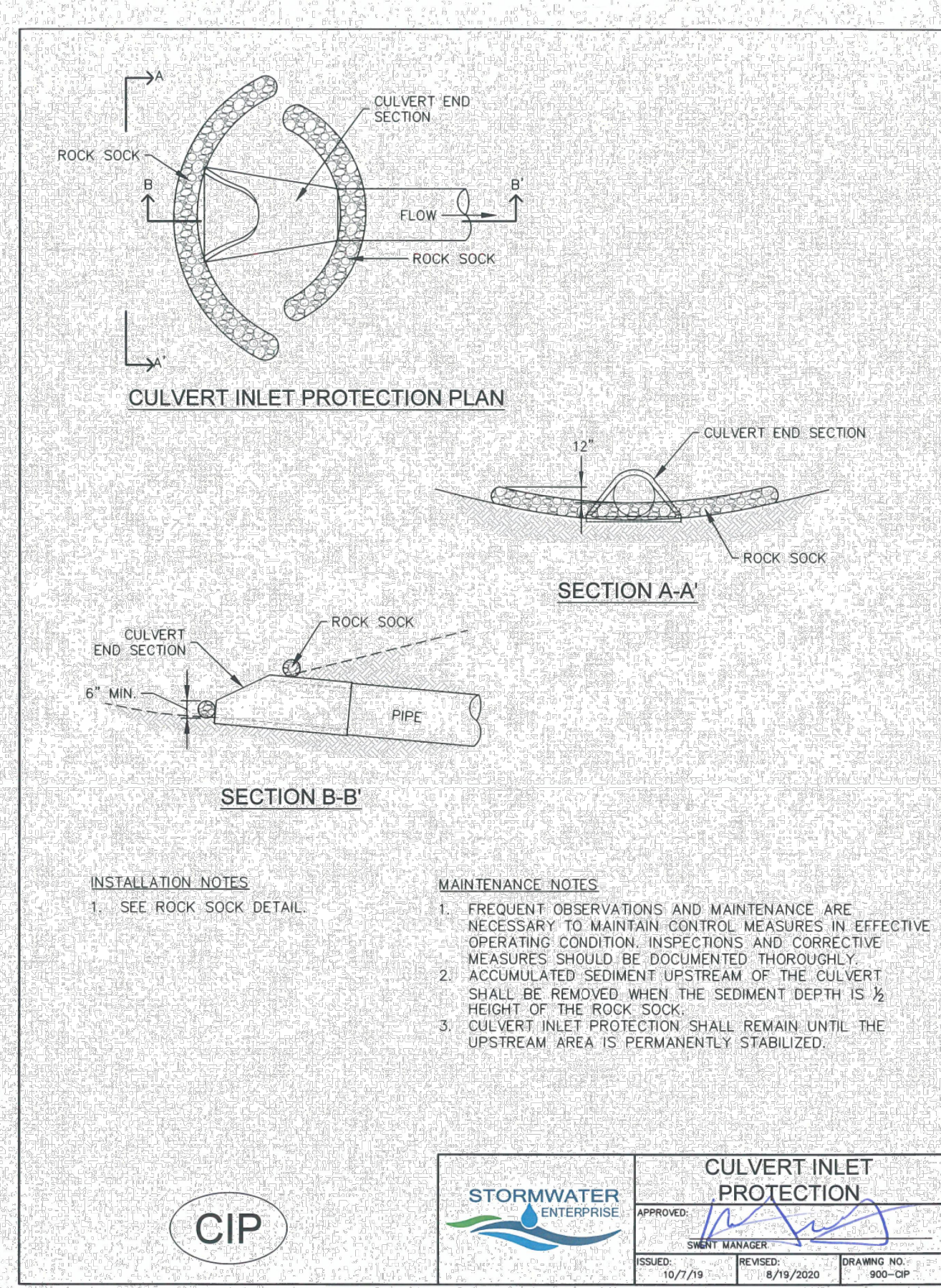
STORMWATER ENTERPRISE		SILT FENCE	
ISSUED:	10/7/19	REVISION:	6/19/2020
DRAWING NO.:	900-SF	DESIGNER:	[Signature]



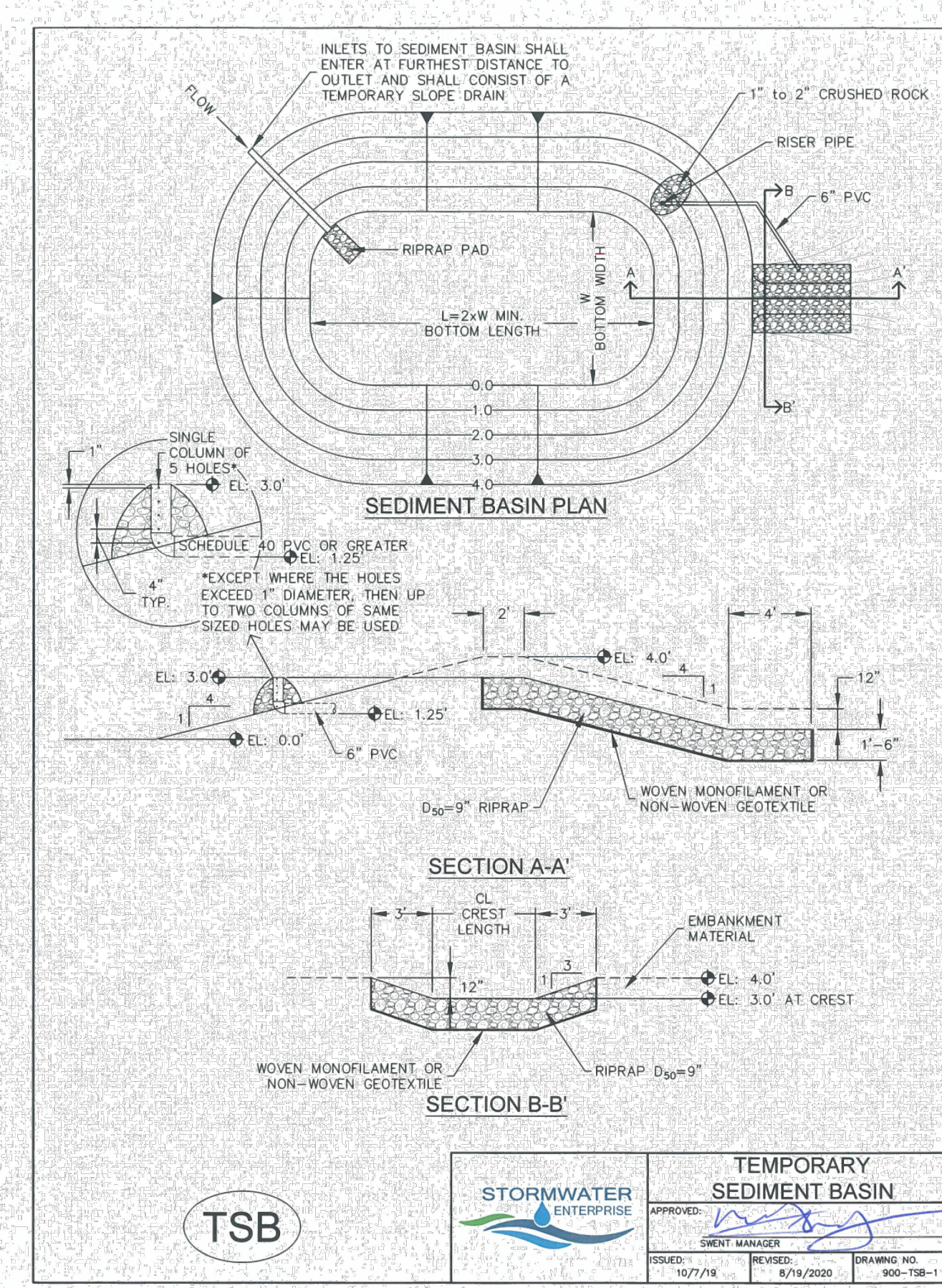
STORMWATER ENTERPRISE		VEHICLE TRACKING CONTROL	
ISSUED:	10/7/19	REVISION:	6/19/2020
DRAWING NO.:	900-VTC	DESIGNER:	[Signature]



STORMWATER ENTERPRISE		SEEDING & MULCHING	
ISSUED:	10/7/19	REVISION:	6/19/2020
DRAWING NO.:	900-SM	DESIGNER:	[Signature]



STORMWATER ENTERPRISE		CULVERT INLET PROTECTION	
ISSUED:	10/7/19	REVISION:	6/19/2020
DRAWING NO.:	900-CIP	DESIGNER:	[Signature]



STORMWATER ENTERPRISE		TEMPORARY SEDIMENT BASIN	
ISSUED:	10/7/19	REVISION:	6/19/2020
DRAWING NO.:	900-TSB-1	DESIGNER:	[Signature]

TABLE SB-1: SIZING INFORMATION FOR STANDARD SEDIMENT BASIN			
UPSTREAM DRAINAGE AREA (ROUNDED TO NEAREST ACRE), (AC)	Basin Bottom Width (W), (FT)	Spillway Crest Length (CL), (FT)	Hole Diameter (HD), (IN)
1	12x	2	3/4
2	21	3	1 1/4
3	28	5	1 1/2
4	33x	6	1 3/4
5	38x	8	2 1/4
6	43	9	2 1/2
7	47x	11	2 3/4
8	51	12	3 1/4
9	55	13	3 1/2
10	58x	15	3 3/4
11	61	16	4 1/4
12	64	18	4 1/2
13	67x	19	4 3/4
14	70x	21	5 1/4
15	73x	22	5 1/2

STORMWATER ENTERPRISE		TEMPORARY SEDIMENT BASIN	
ISSUED:	10/7/19	REVISION:	6/19/2020
DRAWING NO.:	900-TSB-2	DESIGNER:	[Signature]

Chapter 5
Native Vegetation Requirements and Guidelines

Table 5-1. El Paso County Conservation District All-Purpose Mix for Upland, Transition and Permanent Control Measure Areas

Common Name	Scientific Name	Growth Season / Form	% of Mix	Pounds PLS		
				Irrigated broadcast hydroseeded	Non-irrigated broadcast hydroseeded	Non-irrigated drilled
Bluestem, big	<i>Andropogon gerardii</i>	Warm, sod	20	4.4	2.2	1.1
Gramma, blue	<i>Bouteloua gracilis</i>	Warm, bunch	10	0.5	0.25	0.13
Green needlegrass	<i>Nassella viridula</i>	Cool, bunch	10	2	1	0.5
Wheatgrass, western	<i>Pascopyrum smithii</i>	Cool, sod	20	6.4	3.2	1.6
Gramma, sideoats	<i>Bouteloua curtipendula</i>	Warm, bunch	10	2	1	0.5
Switchgrass	<i>Panicum virgatum</i>	Warm, bunch/sod	10	0.8	0.4	0.2
Prairie sandreed	<i>Calamovilfa longifolia</i>	Warm, sod	10	1.2	0.6	0.3
Yellow indiagrass	<i>Sorghastrum nutans</i>	Warm, sod	10	2	1	0.5
Seed rate (lbs PLS/acre)				19.3	9.7	4.8

*For portions of facilities located near or on the bottom or where wet soil conditions occur. Planting of potted nursery stock wetland plants 20-foot-on-center is recommended for sites with wetland hydrology.
*Species that will do well in the bottom of pond areas.

City of Colorado Springs
Stormwater Enterprise

ALL TERRAIN ENGINEERING

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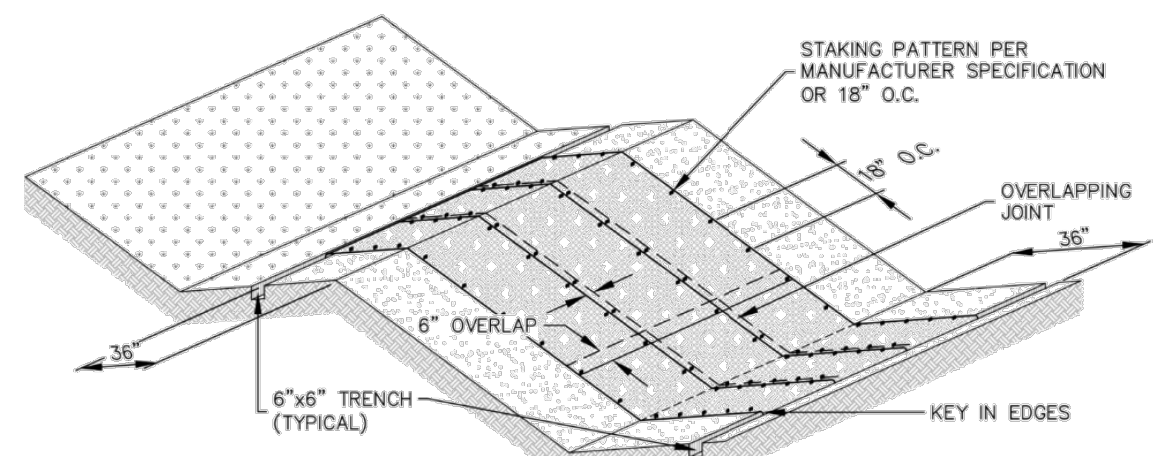
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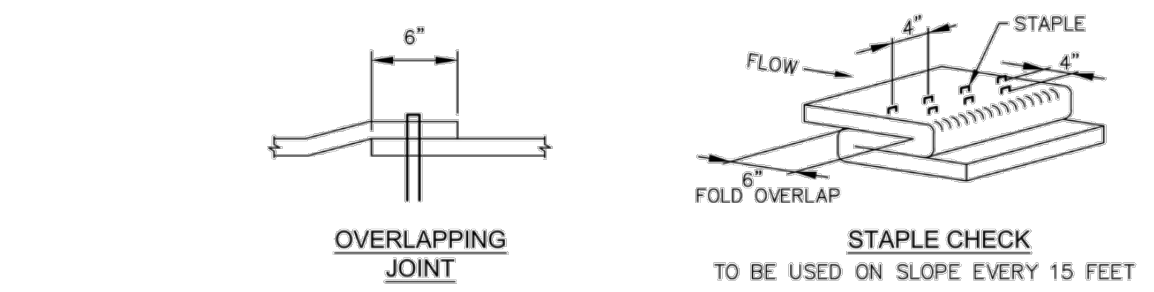
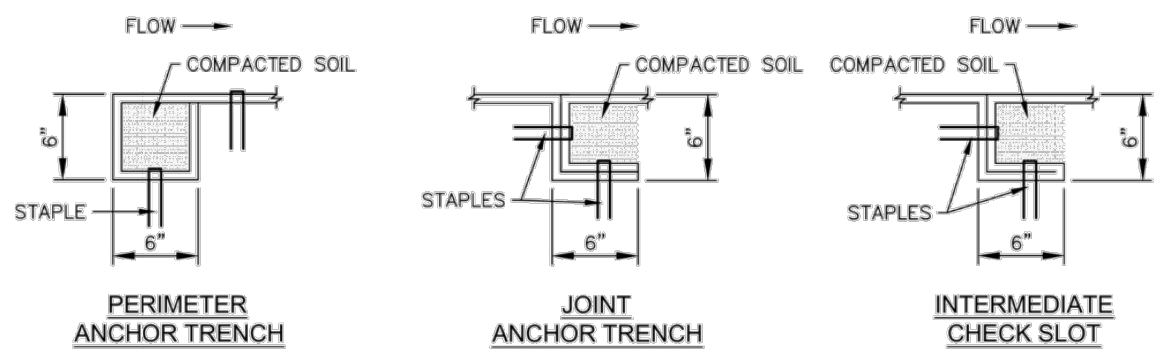
REV	DESCRIPTION	DATE

GEC DETAILS

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EROSION CONTROL BLANKET



		EROSION CONTROL BLANKET	
ISSUED:	10/7/19	REVISED:	8/19/2020
DRAWING NO.:	900-ECB-1		

INSTALLATION NOTES

- 100% NATURAL AND BIODEGRADABLE MATERIALS ARE REQUIRED FOR EROSION CONTROL BLANKETS. TRM PRODUCTS MAY BE USED WHERE APPROPRIATE AS DESIGNATED BY THE ENGINEER.
- IN AREAS WHERE EROSION CONTROL BLANKETS ARE SHOWN ON THE PLANS, THE PERMITTEE SHALL PLACE, TOPSOIL AND PERFORM FINAL GRADING, SURFACE PREPARATION, AND SEEDING AND MULCHING. SUBGRADE SHALL BE SMOOTH AND MOST PRIOR TO EROSION CONTROL BLANKET INSTALLATION, AND THE EROSION CONTROL BLANKET SHALL BE IN FULL CONTACT WITH THE SUBGRADE. NO GAPS OR VOIDS SHALL EXIST UNDER THE BLANKET.
- PERIMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERIMETER OF ALL BLANKET AREAS.
- JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF EROSION CONTROL BLANKETS TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL EROSION CONTROL BLANKETS.
- INTERMEDIATE CHECK SLOT OR STAPLE CHECK SHALL BE INSTALLED EVERY 15' DOWN SLOPES. IN DRAINAGEWAYS, INSTALL CHECK SLOTS EVERY 25' PERPENDICULAR TO FLOW DIRECTION.
- OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF EROSION CONTROL BLANKETS ON SLOPES.
- MATERIAL SPECIFICATIONS OF EROSION CONTROL BLANKETS SHALL CONFORM TO TABLE ECB-1.
- ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING EROSION CONTROL BLANKETS SHALL BE RESEEDED AND MULCHED.
- STRAW EROSION CONTROL BLANKETS SHALL NOT BE USED WITHIN STREAMS AND DRAINAGE CHANNELS.
- COMPACT ALL TRENCHES.

MAINTENANCE NOTES

- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- EROSION CONTROL BLANKETS SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE. TRM MUST BE REMOVED AT THE DISCRETION OF THE GEC INSPECTOR.
- ANY EROSION CONTROL BLANKET PULLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REINSTALLED. ANY SUBGRADE AREAS BELOW GEOTEXTILE THAT HAVE ERODED TO CREATE A VOID UNDER THE BLANKET, OR THAT REMAIN DEVOID OF GRASS SHALL BE REPAIRED, RESEEDED AND MULCHED AND THE EROSION CONTROL BLANKET REINSTALLED.

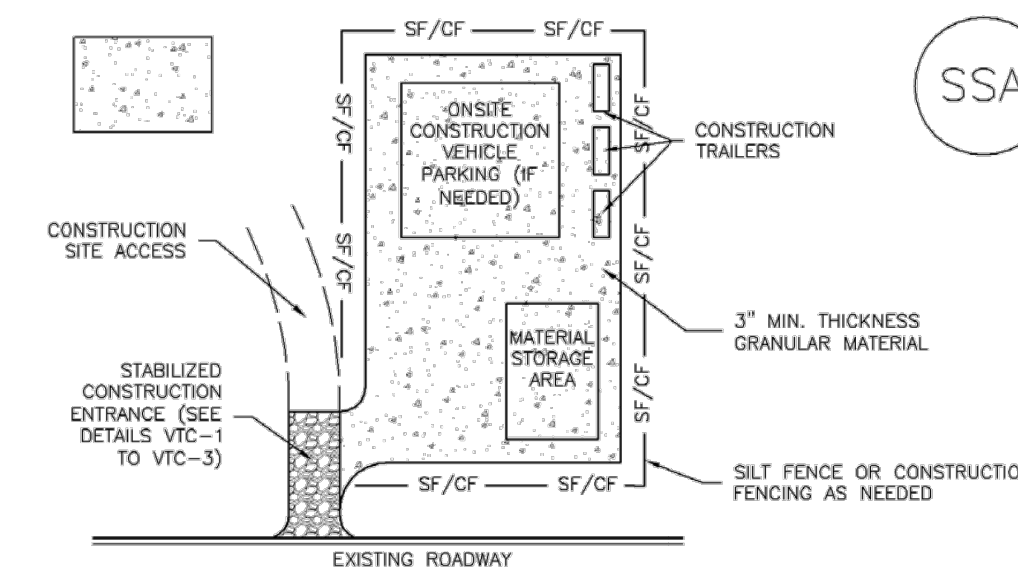
TABLE ECB-1, EROSION CONTROL BLANKET MATERIAL SPECIFICATIONS

TYPE	COCONUT CONTENT	STRAW CONTENT	EXCELSIOR CONTENT	RECOMMENDED NETTING
STRAW	---	100%	---	DOUBLE/NATURAL
STRAW-COCONUT	30% MIN.	70% MAX.	---	DOUBLE/NATURAL
COCONUT	100%	---	---	DOUBLE/NATURAL
EXCELSIOR	---	---	100%	DOUBLE/NATURAL



		EROSION CONTROL BLANKET	
ISSUED:	10/7/19	REVISED:	8/19/2020
DRAWING NO.:	900-ECB-1		

Stabilized Staging Area (SSA) SM-6



SSA-1, STABILIZED STAGING AREA

STABILIZED STAGING AREA INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION OF STAGING AREA(S). CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.
- STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.
- STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.
- THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.
- UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.
- ADDITIONAL PERIMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.

STABILIZED STAGING AREA MAINTENANCE NOTES

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

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SM-6

Stabilized Staging Area (SSA)

STABILIZED STAGING AREA MAINTENANCE NOTES

- STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.
 - THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE, AND THE AREA COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.
- NOTE: MANY MUNICIPALITIES PROHIBIT THE USE OF RECYCLED CONCRETE AS GRANULAR MATERIAL FOR STABILIZED STAGING AREAS DUE TO DIFFICULTIES WITH RE-ESTABLISHMENT OF VEGETATION IN AREAS WHERE RECYCLED CONCRETE WAS PLACED.
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM LUDCO STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.
- (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

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



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UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, ALL TERRAIN ENGINEERING APPROVES THEIR USE ONLY FOR THE PURPOSES DESIGNATED BY WRITTEN AUTHORIZATION.

JOB NO. 24013	LOCATION: EPC
REV. DESCRIPTION	DATE

MARKSHEFFEL ROAD - SEGMENT M3

GEC DETAILS

DESIGN: REB
REVIEW: NOJ
DATE: 04/27/2026
H-SCALE: N/A
V-SCALE: N/A
SHEET
13 OF 13

ENGINEER'S STATEMENT
STANDARD DETAILS SHOWN WERE REVIEWED ONLY AS TO THEIR APPLICATION ON THIS PROJECT

RYAN E. BURNS, P.E.
COLORADO P.E. 0054412
FOR AND ON BEHALF OF JR ENGINEERING