

Summary of Quantities

Item No	#	Item	Section	Quantity			Unit	Rates/Remarks
				Corn Crib Lake	Little John TR1950N	Total		
NRM20110	1	Special Clearing	201	.5	.5	1	L SUM	
NRM20210	2	Earth Excavation	202	808	5644	6452	CU YD	Compaction in accordance w/Sec. 205
NRM25040	3	Nitrogen Fertilizer Nutrient	250	216	192	408	POUND	120 pounds/acre-application *
NRM25050	4	Phosphorus Fertilizer Nutrient	250	180	160	340	POUND	100 pounds/acre-application *
NRM25060	5	Potassium Fertilizer Nutrient	250	630	560	1,190	POUND	350 pounds/acre-application *
NRM25070	6	Agricultural Ground Limestone	250	9	8	17	TON	10 tons/acre *
NRM25090	7	Seeding	250	.9	.8	1.7	ACRE	*
25100115	8	Mulch Method 2, Procedure 1	IDOT 251	.9	.8	1.7	ACRE	2 tons/acre, Procedure 1 *
25100900	9	Turf Reinforcement Mat	IDOT 251	0	219	219	SQ YD	
NRM25810	10	Mowing	258	.9	.8	1.7	ACRE	
NRM28031	11	Temporary Ditch Check	280	0	40	40	FOOT	Rolled Excelsior, 12" DIA
NRM28040	12	Perimeter Erosion Barrier (Rolled Excelsior)	280	425	400	825	FOOT	Rolled Excelsior, 12" DIA
28100801	13	Stone Dumped Riprap, Class A1	IDOT 281	388	465	853	TON	Conversion factor 1.291 tons/cu yd
28100825	14	Stone Dumped Riprap, Class B3	IDOT 281	1309	5552	6861	TON	Conversion factor 1.291 tons/cu yd
28200200	15	Filter Fabric	IDOT 282	1072	1114	2186	SQ YD	Includes 278 sq yd for construction entrance
40200800	16	Aggregate Surface Course, Type B	IDOT 402	120	0	120	TON	
NRM67110	17	Mobilization (Max. 6% of Bid)	671	.5	.5	1	L SUM	

* Note: 0.5 acre added to Corn Crib quantities for borrow area haul road for seeding, fertilizer, mulch and mowing quantities.

Schedule of Seeding, Fertilizer Nutrients, Mulch and Mowing

ITEM (Unit)	August 1st, 2021 – September 1st, 2021	Mowing Date to be set by Engineer	March 1st, 2022 – April 20th, 2022	TOTAL QUANTITY
SEEDING (Acres)	1.7 Acres			1.7 Acres
AGRICULTURAL GROUND LIMESTONE (Tons)	17 Tons (10 Tons/Acre)			17 Tons
NITROGEN FERTILIZER NUTRIENT (Pounds)	204 Pounds (120 Pounds/Acre)		204 Pounds (120 Pounds/Acre)	408 Pounds
PHOSPHORUS FERTILIZER NUTRIENT (Pounds)	170 Pounds (100 Pounds/Acre)		170 Pounds (100 Pounds/Acre)	340 Pounds
POTASSIUM FERTILIZER NUTRIENT (Pounds)	595 Pounds (350 Pounds/Acre)		595 Pounds (350 Pounds/Acre)	1,190 Pounds
MULCH, METHOD 2 PROCEDURE 1 (Acres)	1.7 Acres (2 Tons/Acre)			1.7 Acres
MOWING (Acres)		1.7 Acres		1.7 Acres

GENERAL NOTES

Unless otherwise noted on the plans, all disturbed areas within the construction limits will be amended with agricultural ground limestone, fertilizer nutrients, seeded, and mulched at the required rates specified in the plans.

The Contractor is responsible for visiting the site and getting familiar with the existing conditions and the proposed reclamation work prior to submitting a bid.

The Contractor shall provide and pay for all field engineering services to execute the project as specified in the Field Engineering section of the Special Provisions.

The Contractor is responsible for locating and protecting all existing utility lines pertaining to the work.

Unless noted on the plans, all onsite access roads may be used for construction and must be maintained during construction and restored to original or better condition at the completion of work by the Contractor. Access roads to the site as designated in the plans are to be maintained to the satisfaction of the Engineer.

The construction limits shall be staked by the Contractor prior to construction. The Contractor is responsible for the repair and/or restitution at his/her own expense for all damages done to any area outside the construction limits.

Application rates specified in the plans are shown in the Summary of Quantities – Rates/Remarks column.

CONSTRUCTION NOTES

BURIAL/REMOVAL OF MATERIAL – Concrete and masonry debris designated for burial by the Engineer shall be buried at least three feet below the proposed final grade. Onsite organic debris and trash shall be disposed of in an Engineer approved offsite landfill in accordance with Sections 201 and 501 of the Special Provisions.

TREE REMOVAL – Trees removed shall be disposed of onsite per Section 201 of the Special Provisions.

EROSION CONTROL – The Contractor shall schedule his operations and take such precautions that may be necessary to prevent or minimize erosion. Failure to comply with this requirement shall cause the Contractor to be fully responsible for repairing any eroded areas and cleaning up areas or drainage structures that have become silted in or damaged.

AGRICULTURAL GROUND LIMESTONE – Immediately prior to seed bed preparation, fertilizer nutrients and agricultural ground limestone shall be uniformly spread at the rates specified in the plans.

MULCHING – Within 24 hours from the time seeding has been performed, the seeded area shall be given a covering of mulch at the rates specified in the plans. The mulch is to be anchored into the soil in accordance with the requirements for Method 2, Procedure 1 of Article 251.03 of the Standard Specifications. If Excelsior or Special Excelsior Blanket is to be used, the blanket shall be placed the same day that the areas are seeded.

SPECIAL NOTE

Rock quantities to be placed as fill below the water level are based on average end areas of cross sections plus 30% to account for estimated losses.

Mowing date is to be set by the Engineer

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Abandoned Mined Lands Reclamation Division

Corn Crib Lake and
Little John TR1950N
Reclamation Project
Knox County
AML-GKNE-2002

Drawn By: M. Lacey
Checked By: T. Faught
Reviewed By: T. Faught
Date: 1/22/21
3/05/21
4/01/21

Summary of Quantities/
General Notes/Location Map
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Location Map



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N:1577299.54
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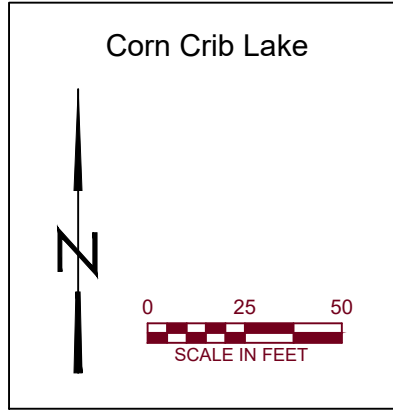
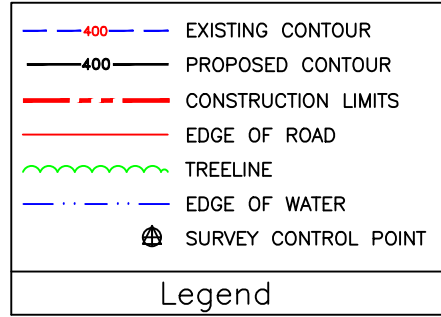
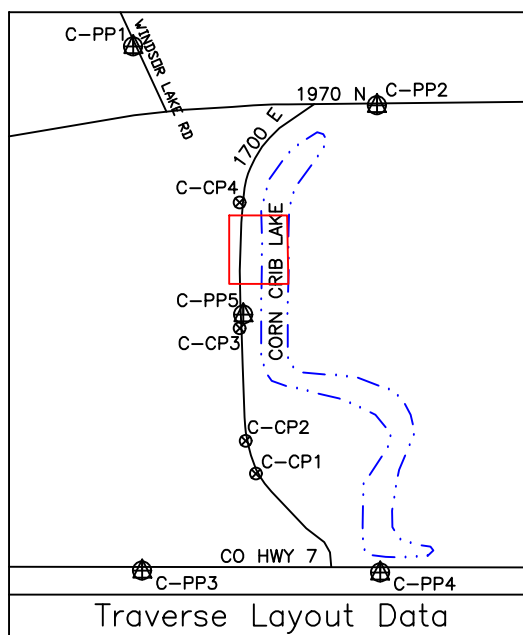
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THE BASE FOR THE EMBANKMENT SHALL BE INCREASED BY BACKFILLING AREAS OF THE IMPOUNDMENTS WITH STONE DUMPED RIPRAP, CLASS B3, TO THE ELEVATION OF THE WATER SURFACE. A ONE FOOT THICK LAYER OF STONE DUMPED RIPRAP, CLASS A1, SHALL BE PLACED ON THE TOP SURFACE OF THE LARGER STONE. FILTER FABRIC SHALL BE PLACED OVER THE SURFACE OF THE STONE DUMPED RIPRAP, CLASS A1 LAYER. THE REMAINDER OF THE EMBANKMENT STABILIZATION SHALL BE COMPLETED WITH COMPACTED EARTH THAT HAS BEEN EXCAVATED FROM MINE SPOIL AREAS AS SHOWN ON THESE PLANS.

INSTALL 424 FEET OF PERIMETER EROSION BARRIER ROLLED EXCELSIOR, 12" DIA

INSTALL 794 SQ YD OF FILTER FABRIC

Approximately 1.1 Miles to Borrow Site



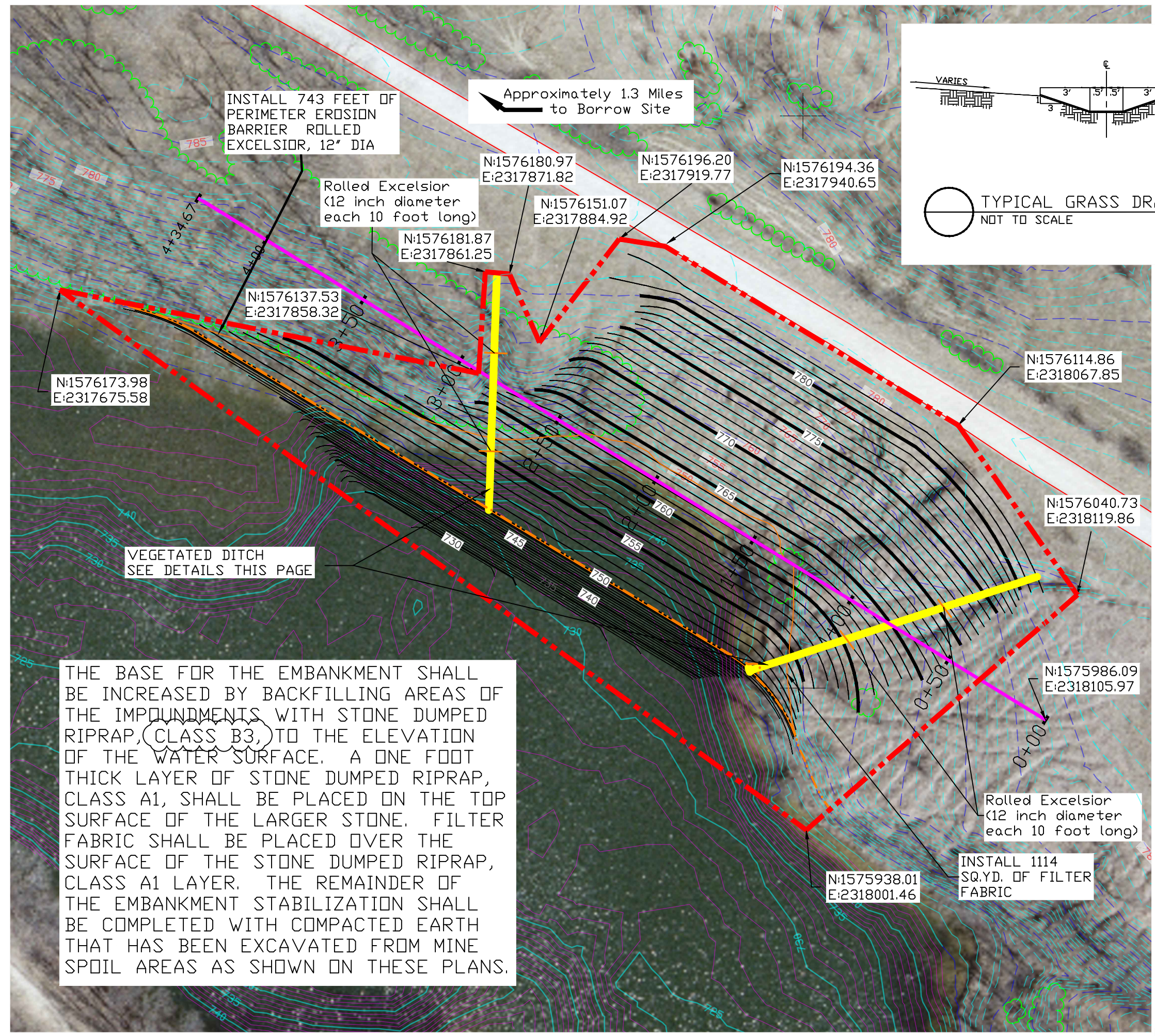
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Drawn By:	N.Lowrey	Date:	1/27/21
Checked By:	T. Faught		3/05/21
Revised By:	T. Faught		4/06/21

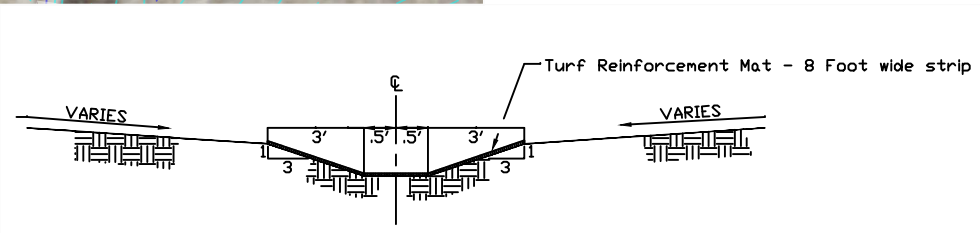
Existing & Proposed
Conditions
Sheet
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Approximately 1.3 Miles
to Borrow Site

INSTALL 743 FEET OF
PERIMETER EROSION
BARRIER ROLLED
EXCELSIOR, 12" DIA

Rolled Excelsior
(12 inch diameter
each 10 foot long)



TYPICAL GRASS DRAINAGE SWALE
NOT TO SCALE

VEGETATED DITCH
SEE DETAILS THIS PAGE

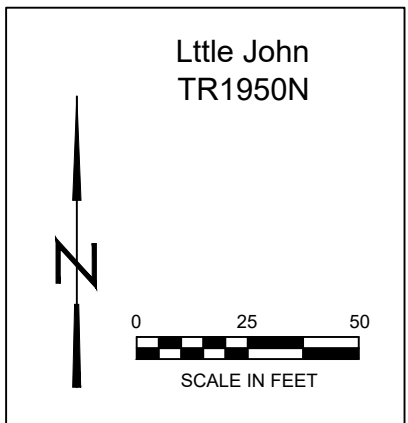
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Rolled Excelsior
(12 inch diameter
each 10 foot long)

INSTALL 1114
SQ.YD. OF FILTER
FABRIC

	EXISTING CONTOUR
	400 PROPOSED CONTOUR
	CONSTRUCTION LIMITS
	EDGE OF ROAD
	TREELINE
	EDGE OF WATER
	SURVEY CONTROL POINT

Legend



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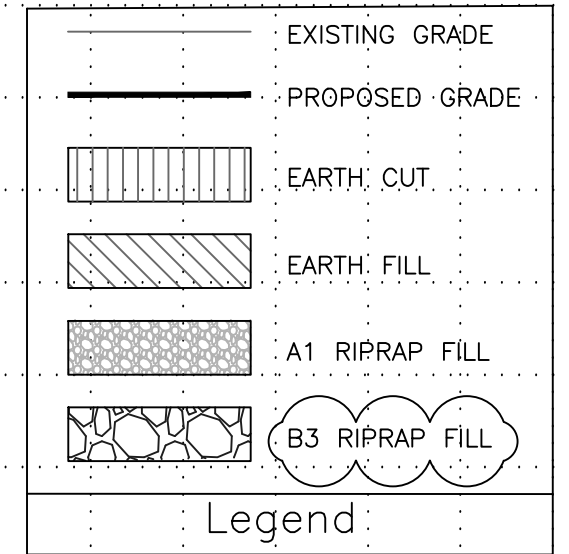
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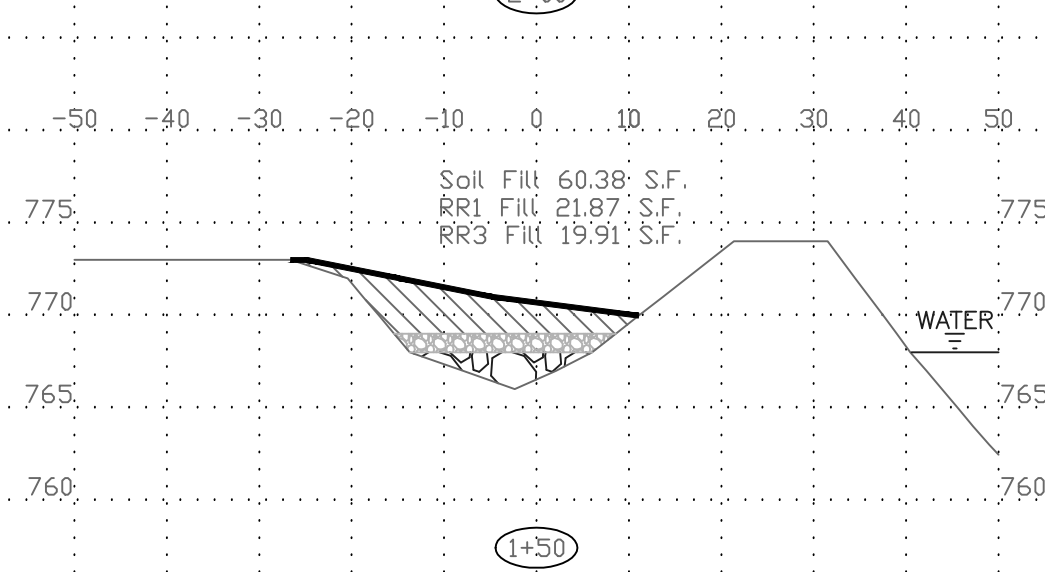
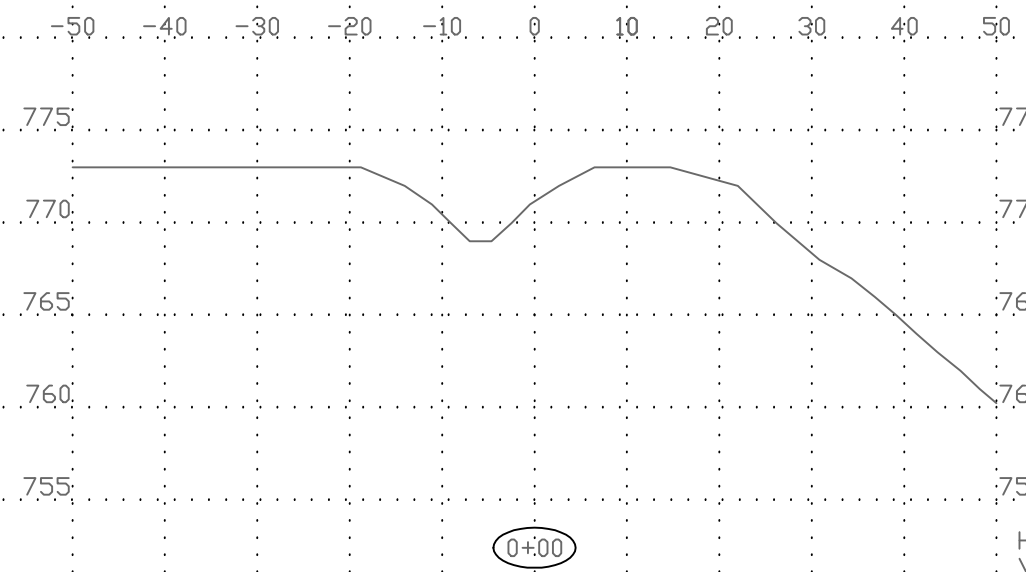
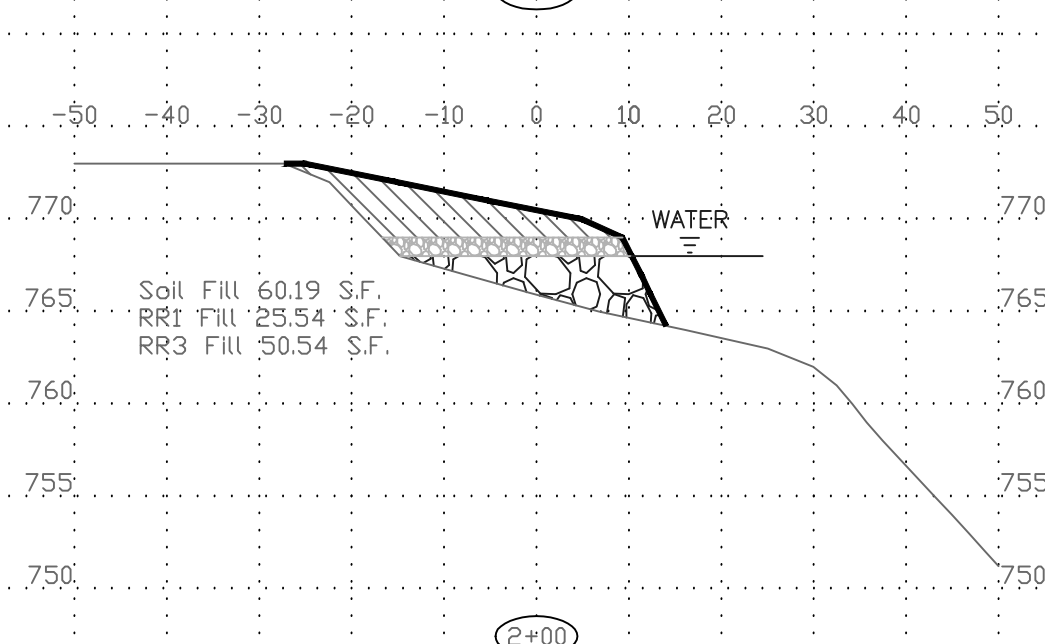
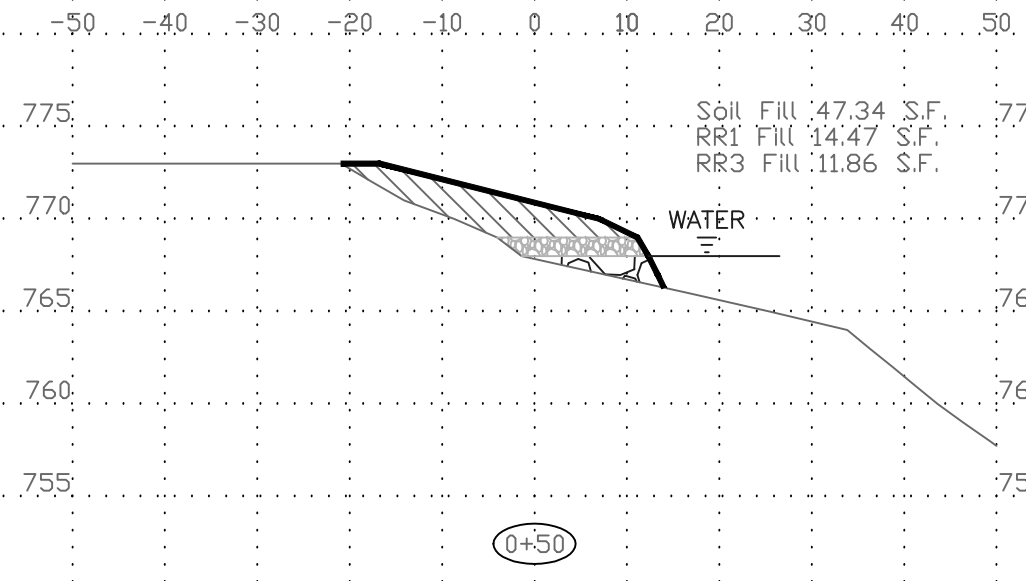
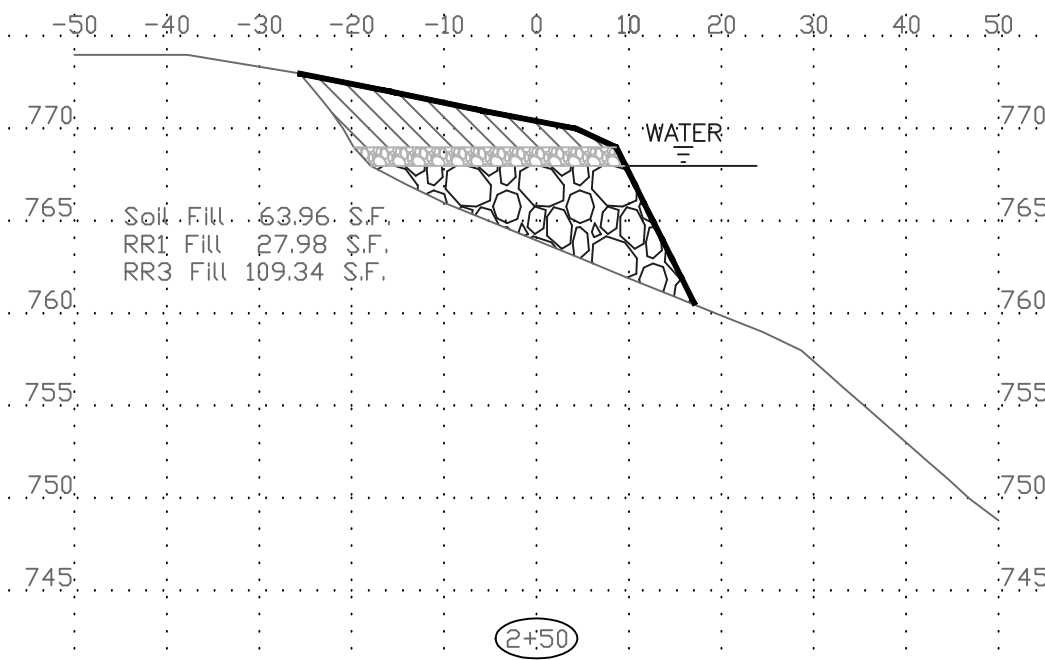
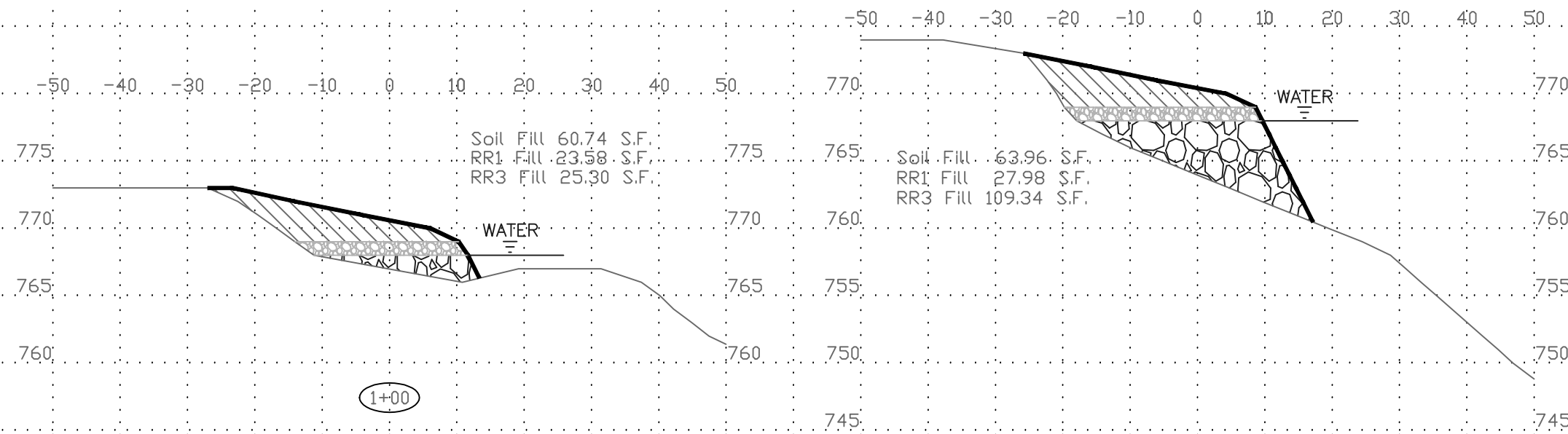
Drawn By:	N.Lowrey	Date:	1/27/21
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Existing & Proposed
Conditions
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NOTE: A LAYER OF FILTER FABRIC IS TO BE INSTALLED BETWEEN THE A1 RIPRAP FILL AND THE EARTH FILL.



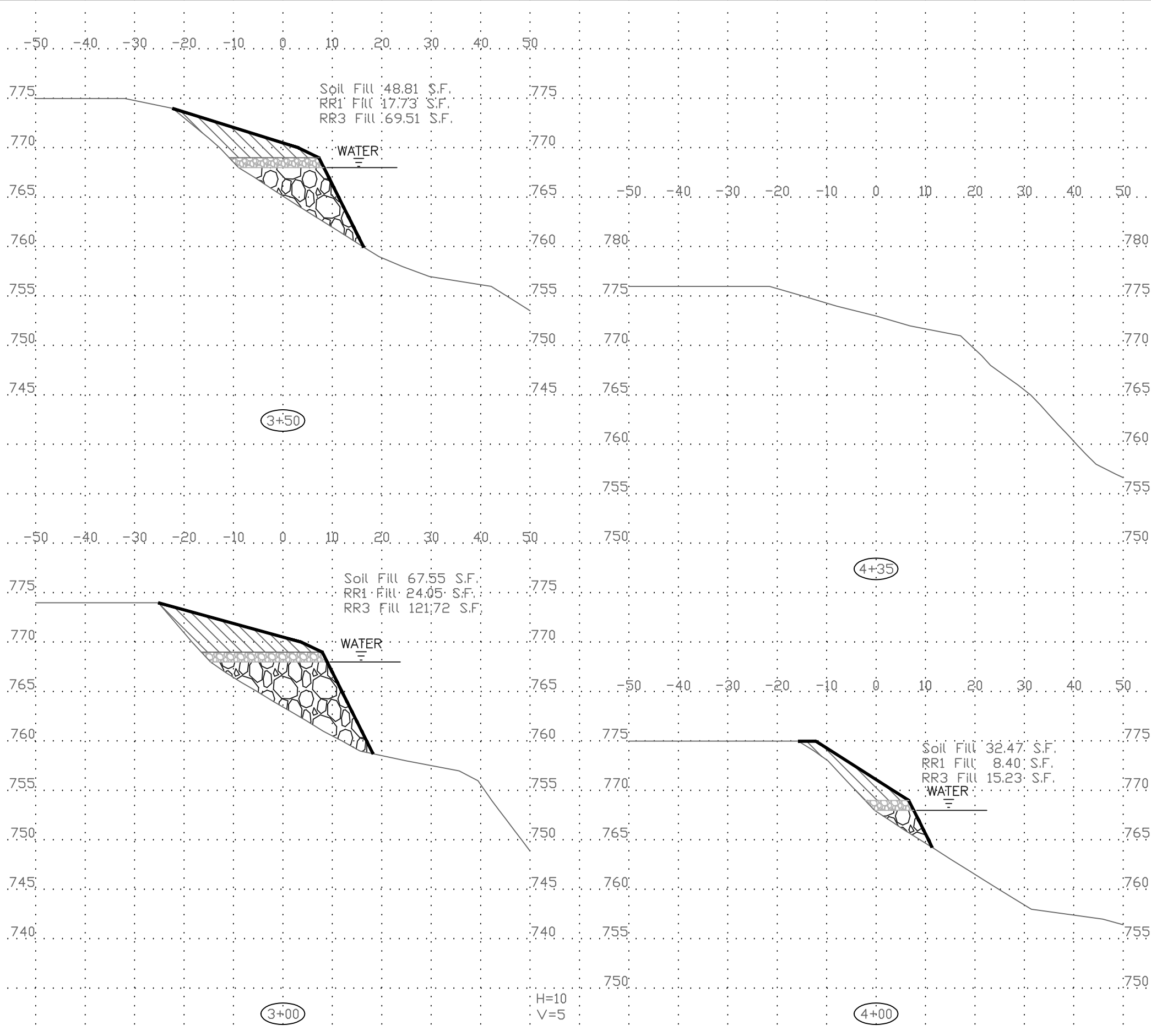
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Legend

- EXISTING GRADE
- PROPOSED GRADE
- [Vertical Lines] EARTH: CUT
- [Diagonal Lines] EARTH: FILL
- [Stippled Pattern] A1 RIPRAP FILL
- [Circular Pattern] B3 RIPRAP FILL

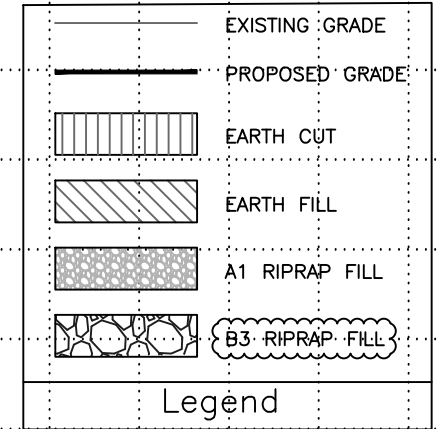
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NOTE: A LAYER OF FILTER FABRIC IS TO BE
INSTALLED BETWEEN THE A1 RIPRAP FILL
AND THE EARTH FILL.



Soil Fill: 270.65 S.F.
RR1 Fill: 5.36 S.F.
RR3 Fill: 6.19 S.F.

WATER

1+00

SOIL FILL 73.61 S.F.

WATER

0+50

WATER

0+00

Horizontal Scale 50
Vertical Scale 10

Soil Fill: 1039.98 S.F.
RR1 Fill: 55.63 S.F.
RR3 Fill: 607.25 S.F.

WATER

2+00

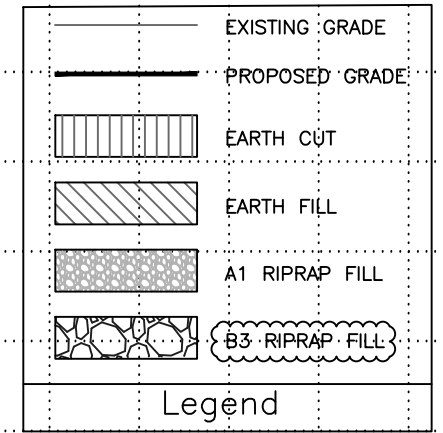
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RR1 Fill: 56.80 S.F.
RR3 Fill: 447.86 S.F.

WATER

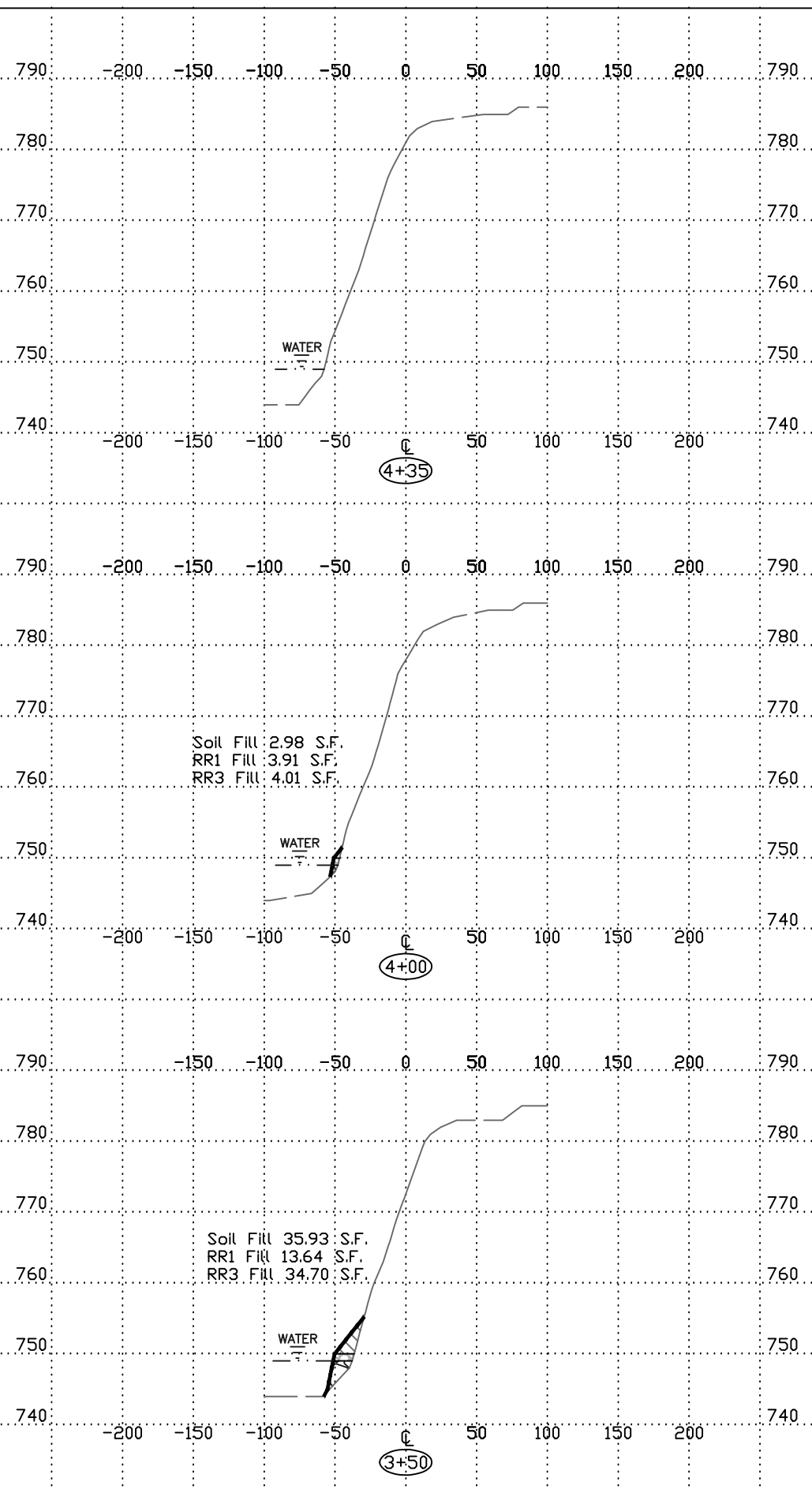
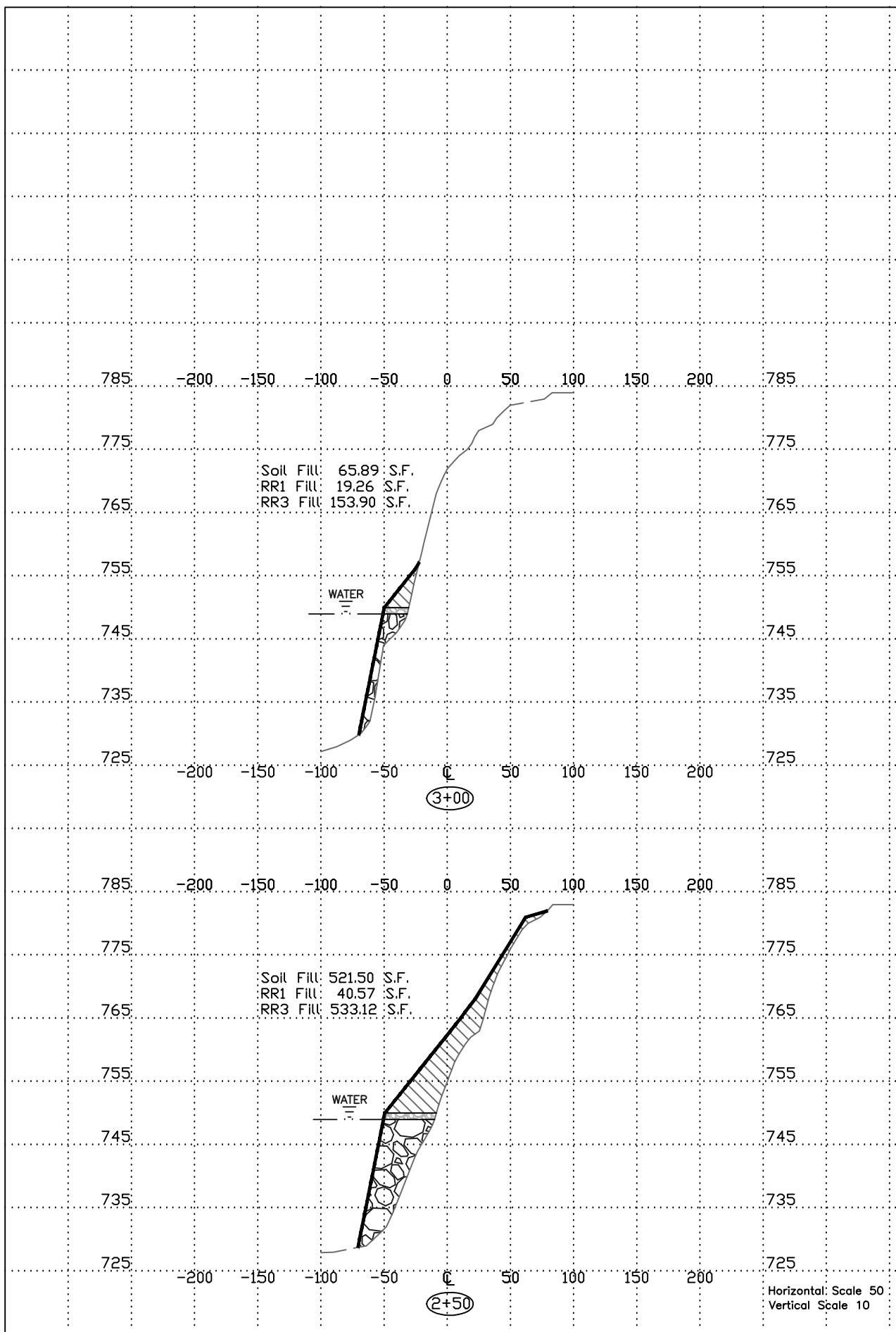
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