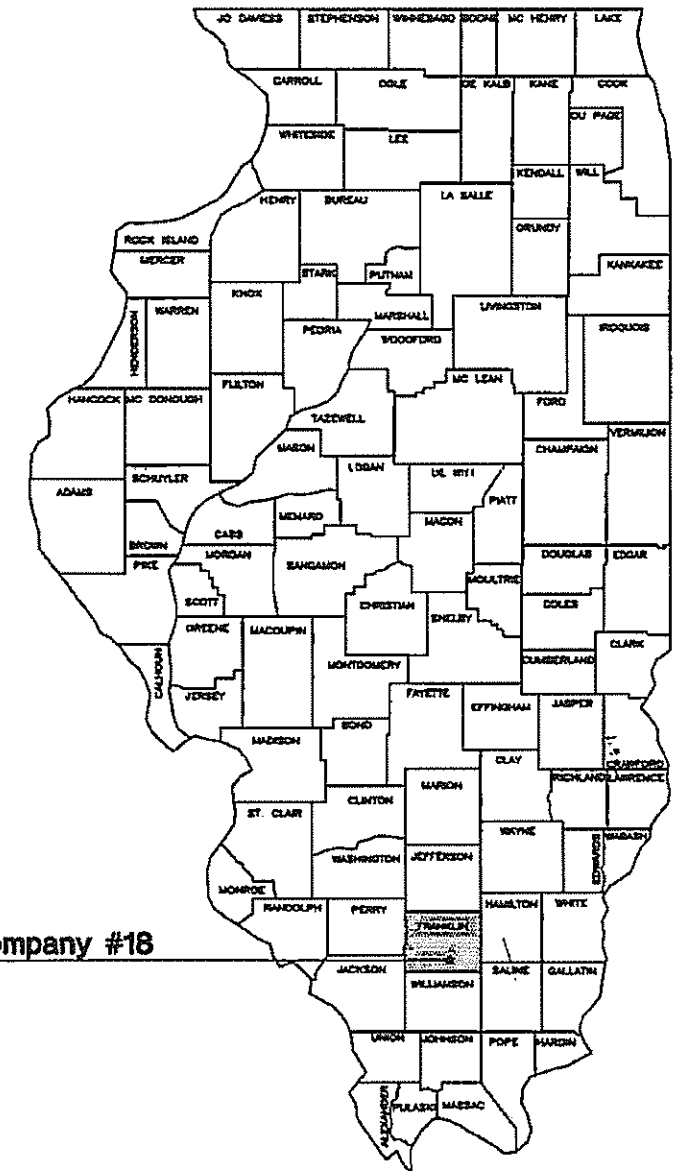


State of Illinois
Department of Natural Resources
Office of Mines and Minerals
Division of Abandoned Mined Lands Reclamation

Funded by the
 United States Department of Interior
 Federal Office of Surface Mining

**Peabody Coal Company #18 Mine
 Reclamation Project
 AML-GFrE-2006
 Franklin County
 1LR**



Peabody Coal Company #18
 Franklin County

SCHEDULE OF DRAWINGS:

1. Cover Sheet
 2. Summary of Quantities / General Notes / Location Map
 3. Existing Conditions and Site Information
 4. Existing and Proposed Conditions
 - 5-9. Cross Sections
 10. Details and Construction Limits
- I.D.O.T. Standard 701006-05
 CONTRACT NO. M2006

PRE-BID MEETING


A PRE-BID MEETING IS SCHEDULED FOR THIS PROJECT ON TUESDAY JUNE 1, 2021 AT 1:00 P.M. AT THE INTERSECTION OF DEERING AND GOSSETT ROADS (SEE SHEET 2). ALL PRIME AND SUBCONTRACTORS ARE ENCOURAGED TO ATTEND.

Prepared By IDNR Staff

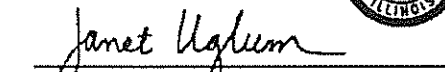
Approved for Bidding:


 Ronnie Huff, Director
 Office of Mines and Minerals

Approved By:


 Rita Lee, Manager
 AMLR Division

Approved By:


 Janet L. Uglum, P.E.
 IL Licensed Professional Engineer
 No. 062-054108



Summary of Quantities

Item No.	#	Item	Section	Quantity	Unit	Rates/Remarks
NRM20110	1	Special Clearing	201	1	L SUM	
NRM20210	2	Earth Excavation	202	22,564	CU YD	Compaction per Section 205
NRM20230	3	Mine Refuse Excavation	202	10,864	CU YD	Compaction per Section 205
25000314	4	Seeding Class 4B	IDOT 250	0.5	ACRE	
NRM25040	5	Nitrogen Fertilizer Nutrient	250	900	POUND	100 Pounds/Acre, Twice
NRM25050	6	Phosphorous Fertilizer Nutrient	250	540	POUND	120 Pounds/Acre
NRM25060	7	Potassium Fertilizer Nutrient	250	1,350	POUND	300 Pounds/Acre
NRM25070	8	Agricultural Ground Limestone	250	90	TON	20 Tons/Acre
NRM25090	9	Seeding	250	4.5	ACRE	
25100115	10	Mulch, Method 2, Procedure 1	IDOT 251	4.5	ACRE	2.0 Tons/Acre
D2012202	11	Evergreen, Pinus Strobus, 2" Caliper	IDOT 253	20	EACH	Balled and Burlapped
NRM25510	12	Mine Refuse Treatment-Limestone	255	60.0	TON	20.0 Tons/Acre
NRM25810	13	Mowing	258	4.5	ACRE	
28000400	14	Perimeter Erosion Barrier	IDOT 280	1490	FOOT	
NRM28050	15	Inlet and Pipe Protection	280	2	EACH	
28100205	16	Stone Riprap, Class A3	IDOT 281	1351.0	SQ YD	
40200800	17	Aggregate Surface Course, Type B	IDOT 402	224.0	TON	CA-6
NRM50101	18	Removal of Existing Structures	501	1	L SUM	
NRM61310	19	Cleaning Existing Culverts	613	1	L SUM	
NRM61410	20	Dewatering Impoundments	614	1	L SUM	
NRM67110	21	Mobilization (maximum 6% of bid)	671	1	L SUM	

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 familiarizing himself 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.

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 will be staked by the contractor prior to construction. The contractor is responsible for the repair and or restitution at his 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

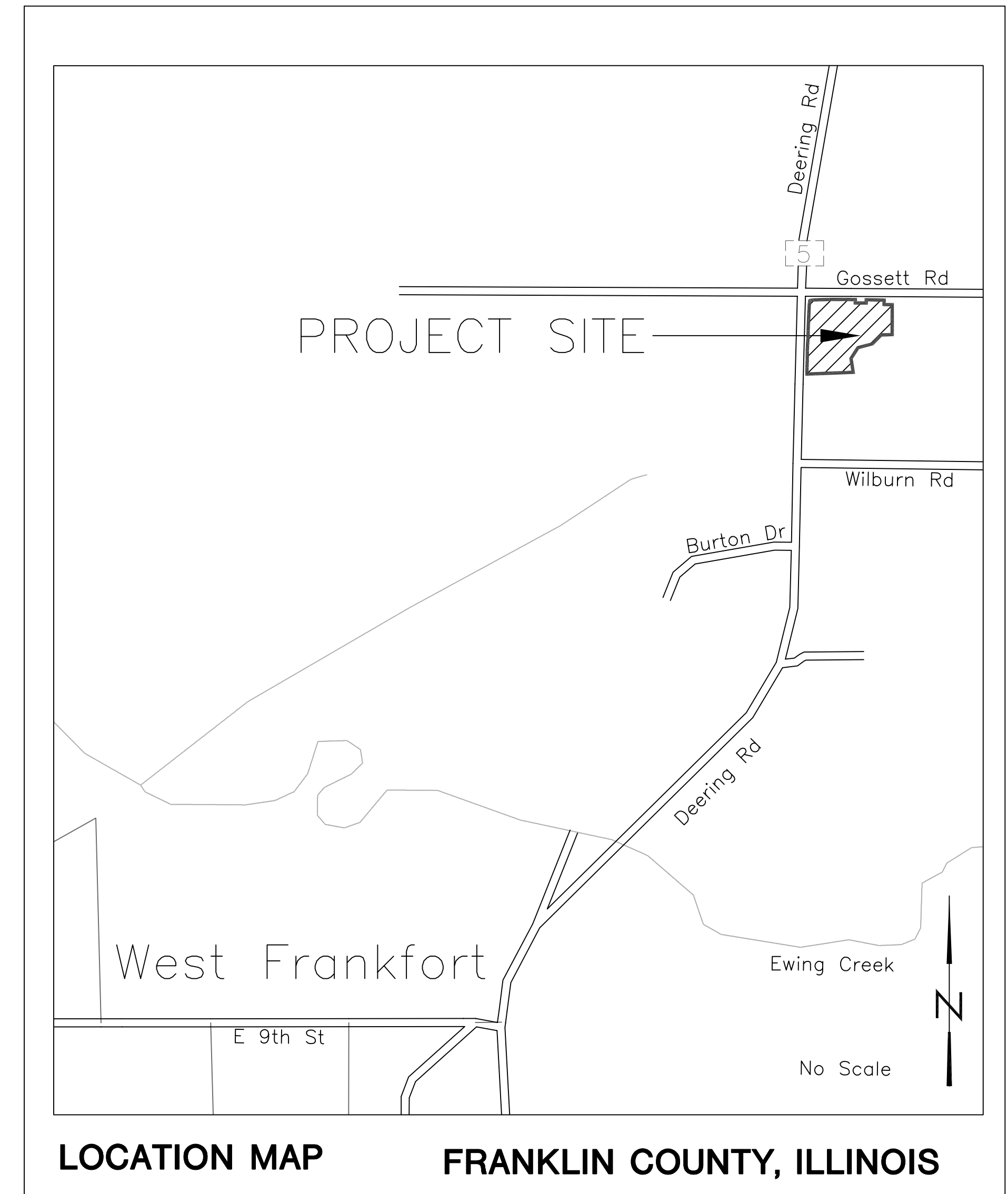
BURIAL/REMOVAL OF MATERIAL-Concrete and masonry debris designated for burial by the engineer shall be buried at least three feet below proposed final grade. Onsite organic debris and trash shall be disposed of in an engineer approved offsite landfill in accordance with Section 201 of the Special Provisions.

TREE REMOVAL-Clearing of trees may only occur from October 15 to March 31. Cleared trees and brush shall be removed from the site or disposed of on site by burning in accordance of Section 202.03 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.



ITEM (unit)	INITIAL APPLICATION MAR. 15-MAY 15 2022	FINAL APPLICATION AUG. 20-SEPT. 30 2022	FALL 2022 EXACT DATE TO BE SET BY ENGINEER	TOTAL QUANTITY
SEEDING(acres)	4.5			4.5
SEEDING 4B (acres)	0.5			0.5
AGRICULTURAL GROUND LIMESTONE (tons)	90.0			90.0
NITROGEN FERTILIZER NUTRIENT (pounds)	450 100 Lb./A	450 100 Lb./A		900
PHOSPHOROUS FERTILIZER NUTRIENT (pounds)	540 120 Lb./A			540
POTASSIUM FERTILIZER NUTRIENT (pounds)	1350 300 Lb./A			1,350
MULCH, METHOD 2 PROCEDURE 1 (acres)	4.5 2 T/A			4.5
MOWING (acres)			4.5	4.5

**State of Illinois
Department of Natural Resources**

**Peabody Coal Company #18
Mine Reclamation Project
AML-GFrE-2006
Franklin County**

Drawn By: _____ Date: 4/27/2021
Checked By: _____

**Summary of Quantities/
General Notes/Location Map**

Sheet 2 of 10

Traffic Control and Protections Standard 701006-05 is incidental to Earth Excavation

SW1/4 of SW1/4 Sec 9 T7S R3E

Existing 12" Corrugated Steel Culvert to be cleaned in accordance with Section 613

395 Proposed Construction Sign See Detail A-10

GOSSETT RD (OIL & CHIP)

CONTROL POINT INFORMATION			
POINT	NORTHING	EASTING	ELEVATION
P-CP1	457549.97	823146.90	392.76
P-CP2	457533.24	824036.46	395.40
P-CP3	457521.65	823556.77	395.39
P-CP4	457023.33	823055.77	388.07

Existing Concrete Structure (Culverts) to be removed and disposed of in accordance with Section 501 in the Mine Refuse Disposal Area.

Perimeter Erosion Barrier to be installed on both sides of drainageway in accordance with Section 280. The Silt Fence shall have overlapping openings every 100'. The Contractor may remove a segment of the fence while working in the area and then replace it overnight.(1,490 Foot)

6" of Aggregate Surface Course, Type B to be placed on existing driveway 6" thick in accordance with IDOT 402. Driveway is 320' long x 12' wide, Turnaround is 160' long x 16' wide (154.0 Ton)

Existing Concrete Structure to be removed and disposed of in accordance with Section 501 in the Mine Refuse Disposal Area.

Inlet and Pipe Protection to be installed in accordance with Section 280

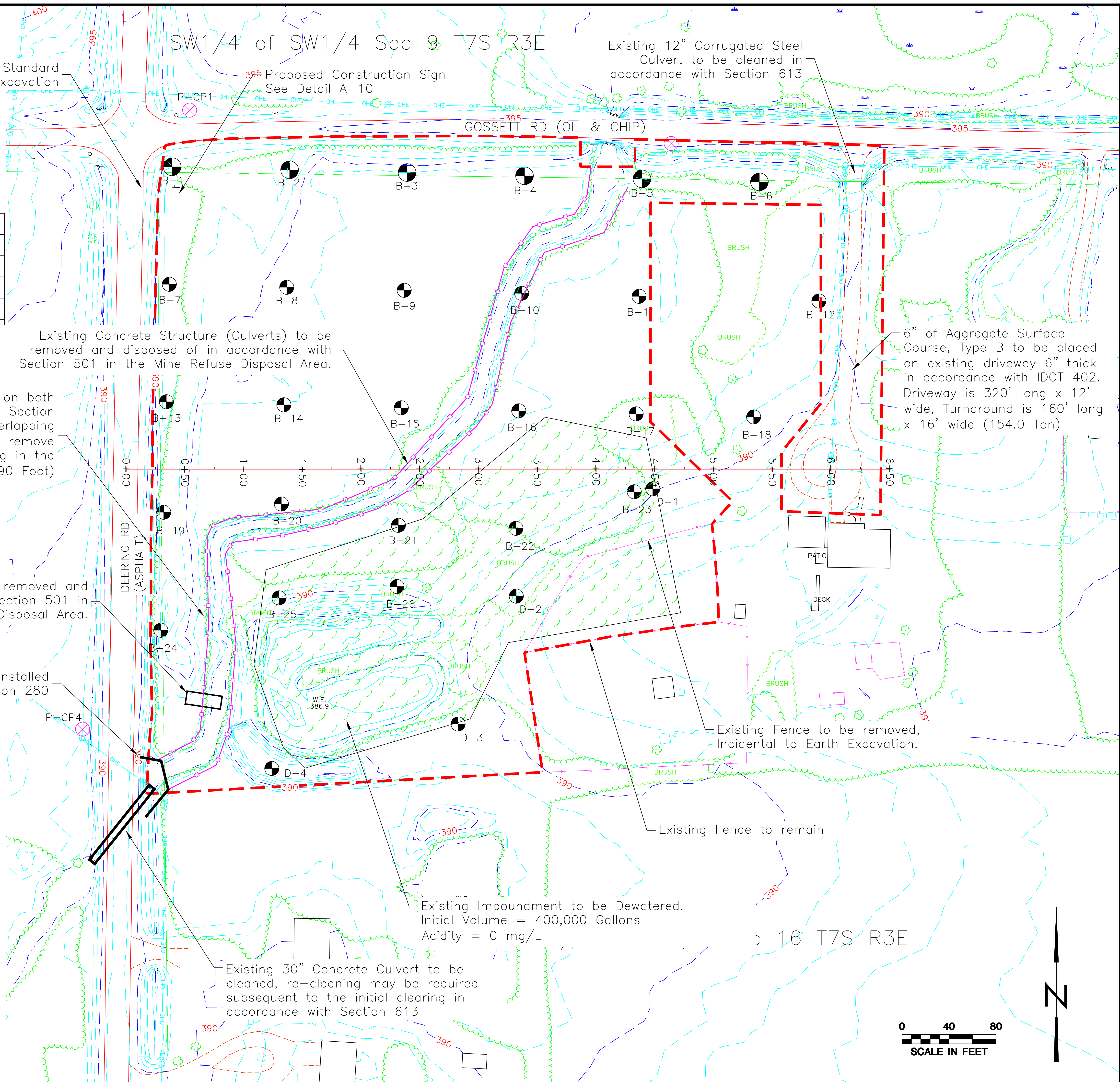
Existing Fence to be removed, Incidental to Earth Excavation.

Existing Fence to remain

Existing Impoundment to be Dewatered. Initial Volume = 400,000 Gallons Acidity = 0 mg/L

Existing 30" Concrete Culvert to be cleaned, re-cleaning may be required subsequent to the initial clearing in accordance with Section 613

LEGEND	
	SECTION LINE
	CONSTRUCTION LIMITS
	EDGE OF WATER
	FENCE
	UNPAVED ROAD
	TREE LINE
	EXISTING CONTOURS
	PROPOSED PERIMETER EROSION BARRIER
	STONE RIPRAP
	PROPOSED BORROW AREA
	STRUCTURE
	BORING
	CONTROL POINT



Note:
Temporary Crossings of the Existing Channel may be constructed in accordance with Section 616 of the Special Provisions (incidental to project)

Mine Refuse Treatment – Limestone to be performed in Mine Refuse Excavation area prior to placement of Earth Fill. (50.0 Ton)

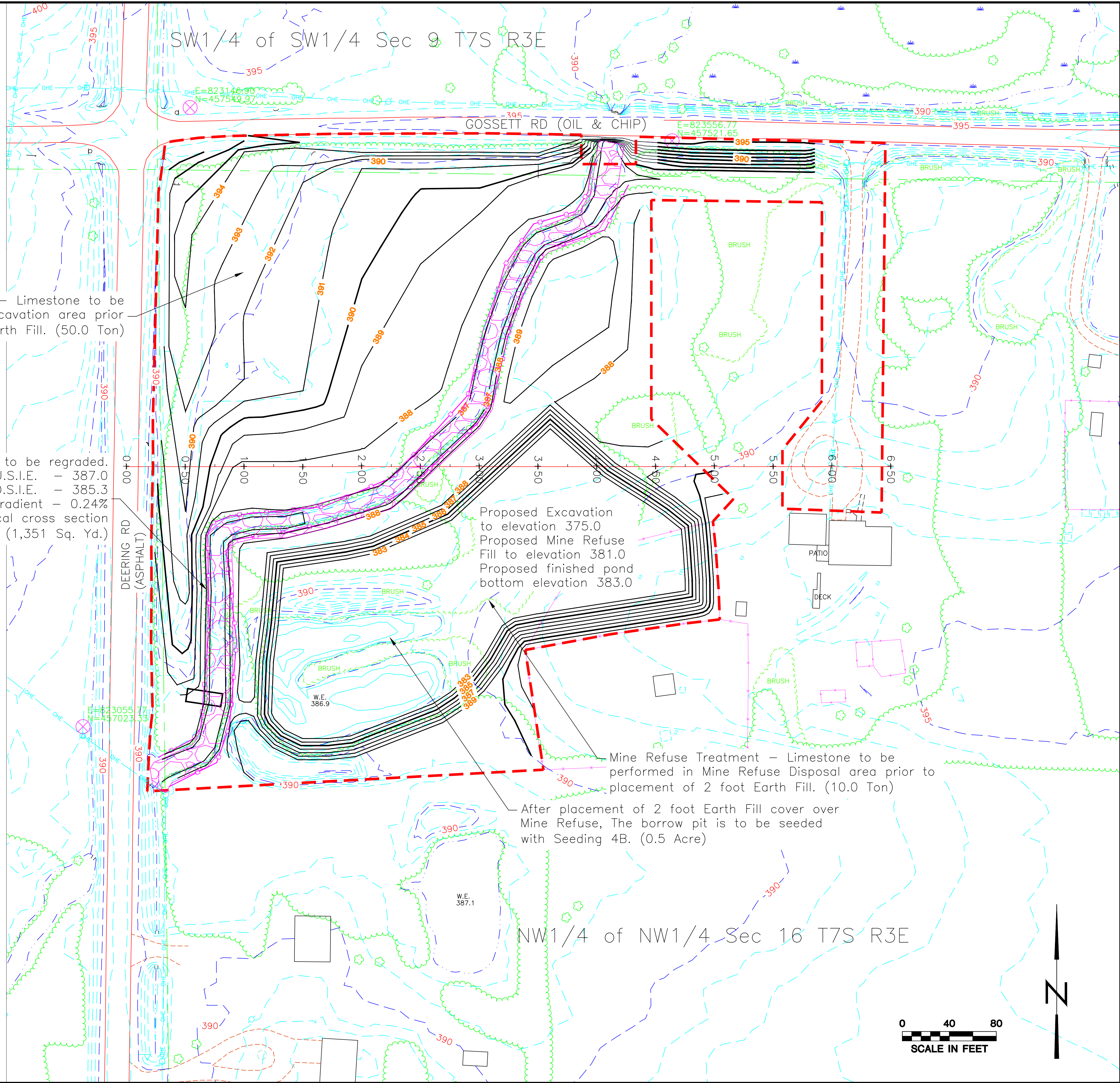
Existing Drainageway to be regraded.
U.S.I.E. - 387.0
D.S.I.E. - 385.3
Gradient - 0.24%
See Detail B-10 for typical cross section
Proposed Stone Riprap, Class A-3 (1,351 Sq. Yd.)

Proposed Excavation to elevation 375.0
Proposed Mine Refuse Fill to elevation 381.0
Proposed finished pond bottom elevation 383.0

Mine Refuse Treatment – Limestone to be performed in Mine Refuse Disposal area prior to placement of 2 foot Earth Fill. (10.0 Ton)

After placement of 2 foot Earth Fill cover over Mine Refuse, The borrow pit is to be seeded with Seeding 4B. (0.5 Acre)

	SECTION LINE
	CONSTRUCTION LIMITS
	EDGE OF WATER
	FENCE
	UNPAVED ROAD
	TREE LINE
	EXISTING CONTOURS
	PROPOSED CONTOURS
	PROPOSED PERIMETER EROSION BARRIER
	STONE RIPRAP
	STRUCTURE
	CONTROL POINT
LEGEND	

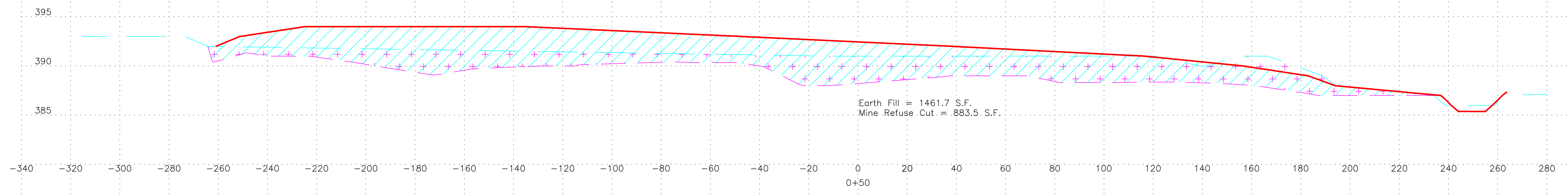
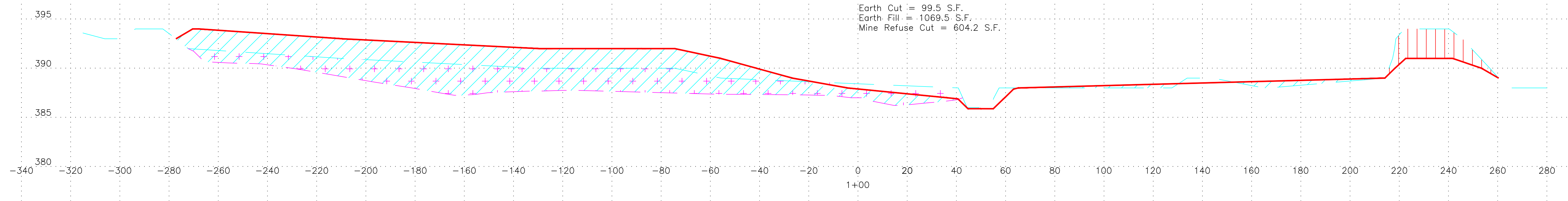
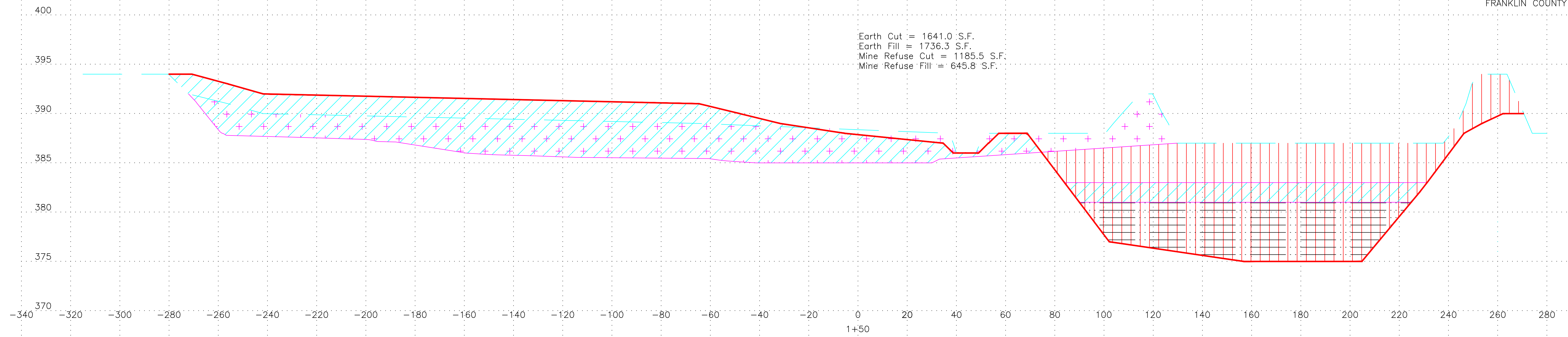


State of Illinois
Department of Natural Resources

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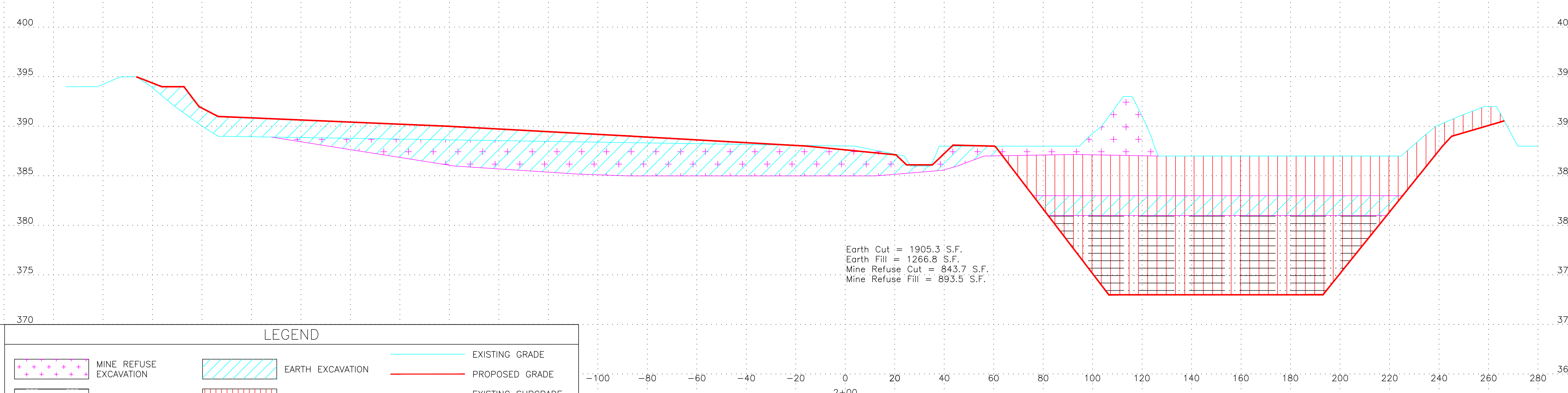
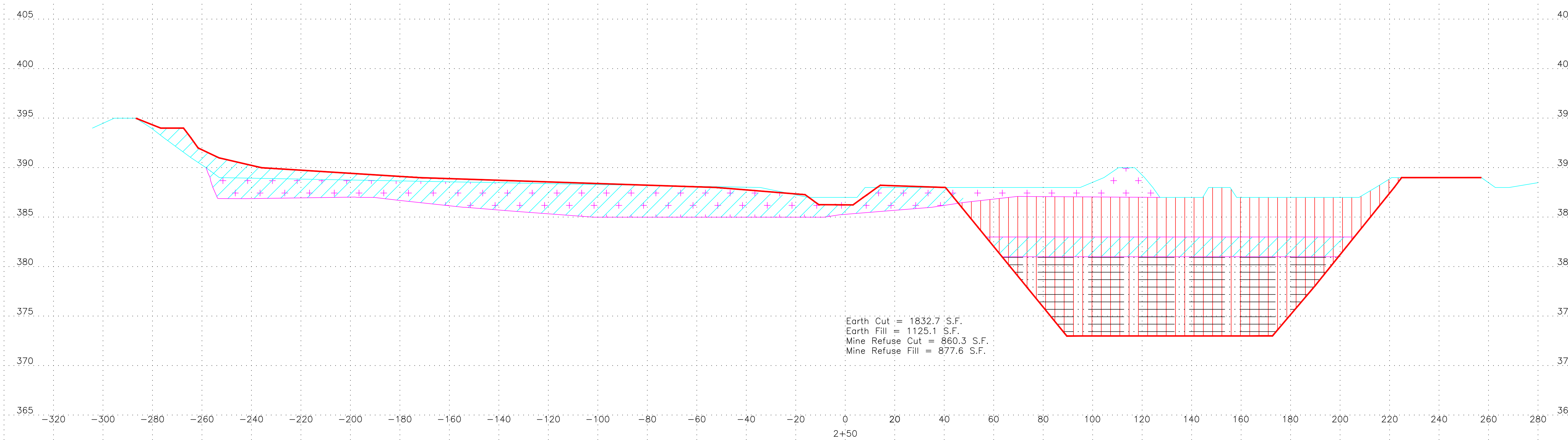
Drawn By: T.L. Date: 4/26/2021
Checked By: _____

Existing & Proposed
Conditions
Sheet 4 of 10



LEGEND			
	MINE REFUSE EXCAVATION		EARTH EXCAVATION
	MINE REFUSE FILL		EARTH FILL
	EXISTING GRADE		PROPOSED GRADE
	EXISTING SUBGRADE		

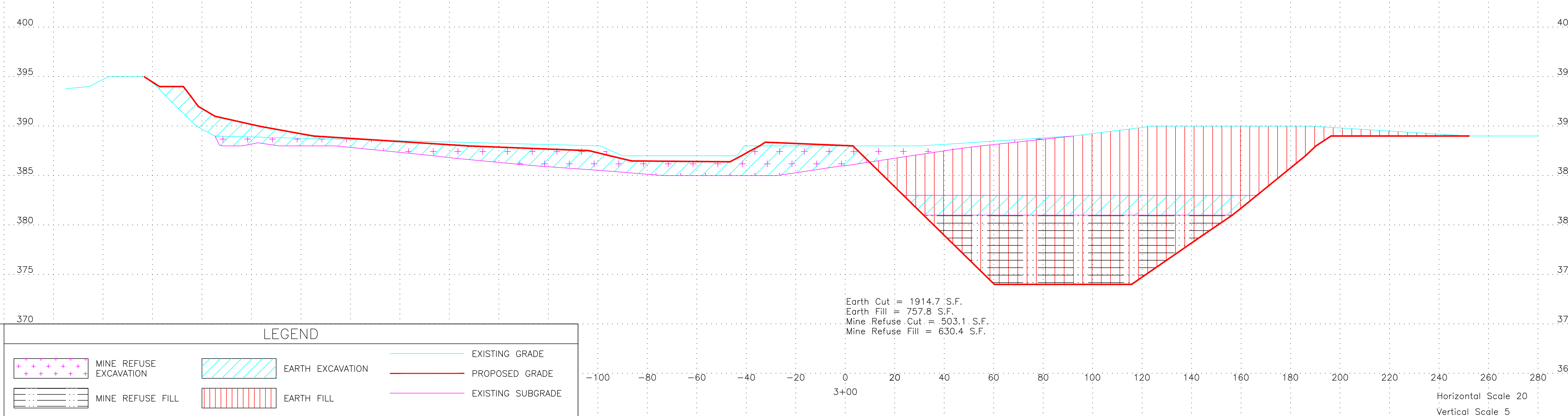
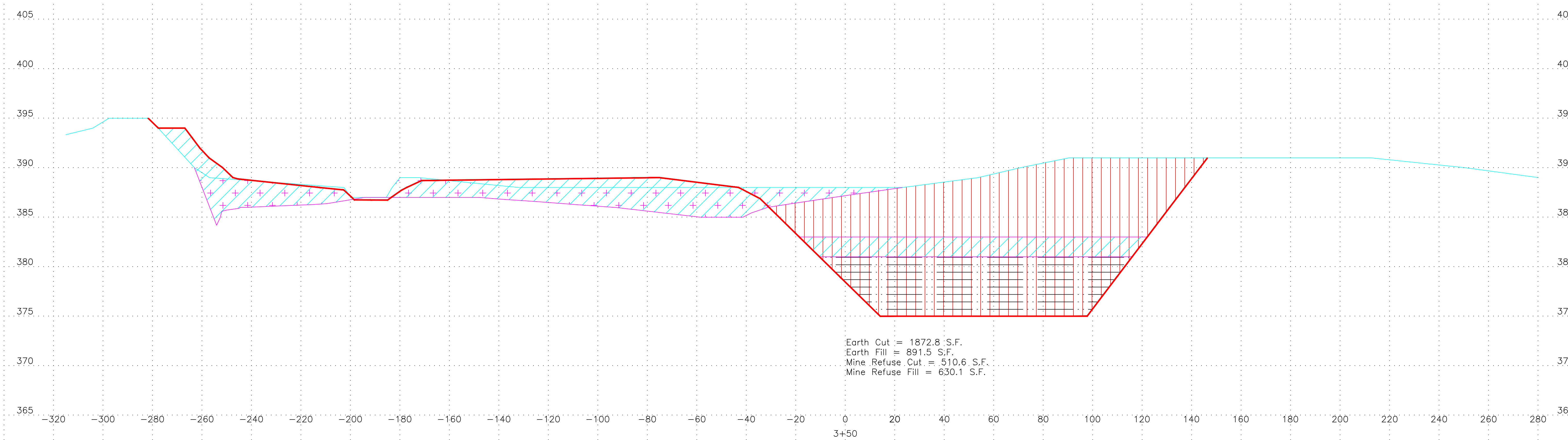
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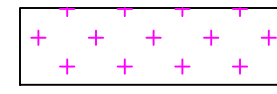
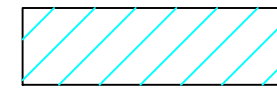

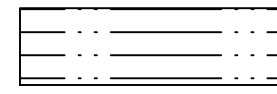
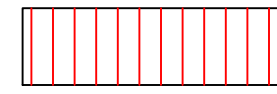


LEGEND

	MINE REFUSE EXCAVATION		EARTH EXCAVATION		EXISTING GRADE
	MINE REFUSE FILL		EARTH FILL		PROPOSED GRADE
					EXISTING SUBGRADE

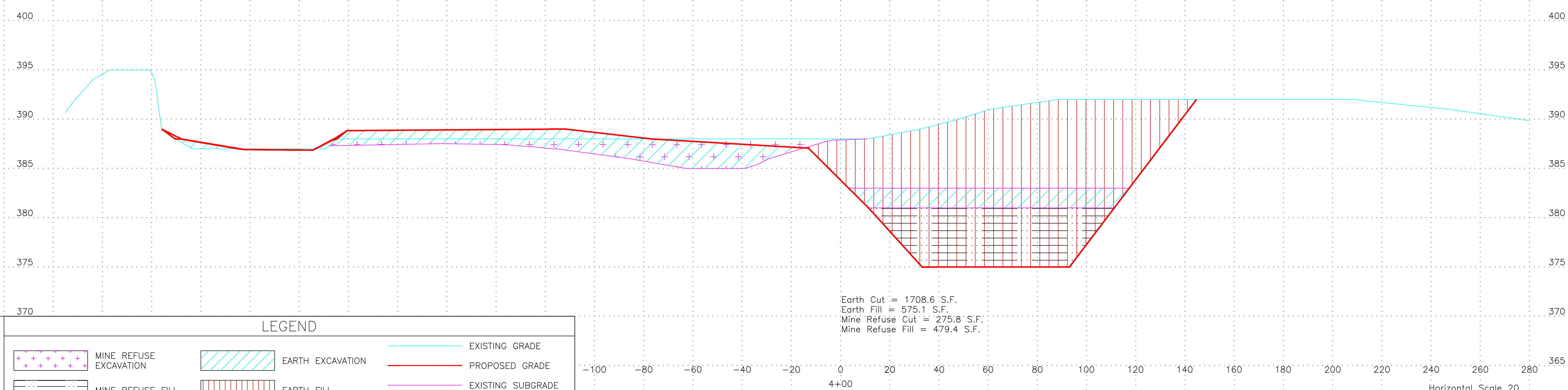
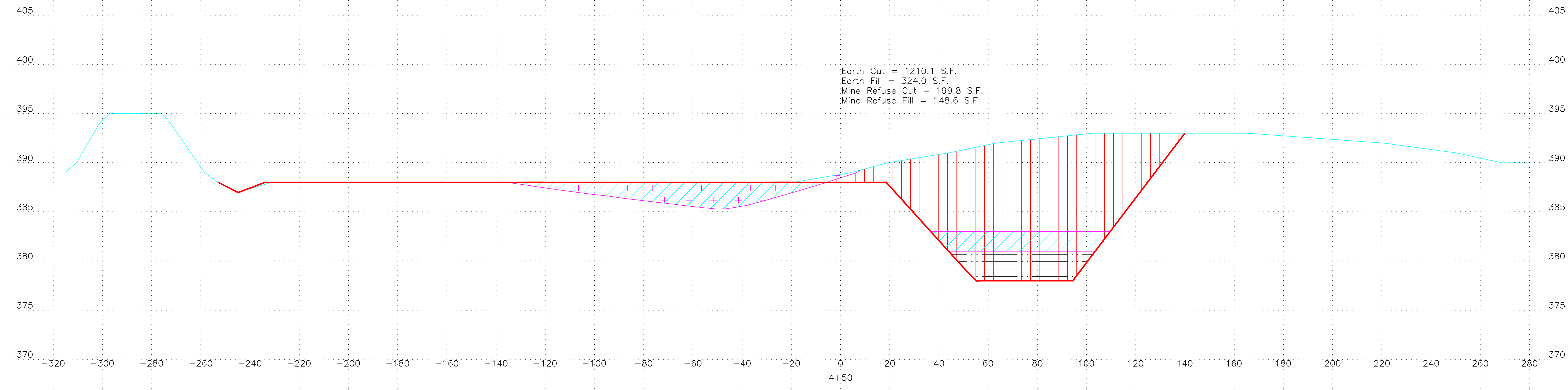
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 Vertical Scale 5



LEGEND

	MINE REFUSE EXCAVATION		EARTH EXCAVATION		EXISTING GRADE
	MINE REFUSE FILL		EARTH FILL		PROPOSED GRADE
					EXISTING SUBGRADE

Horizontal Scale 20
Vertical Scale 5



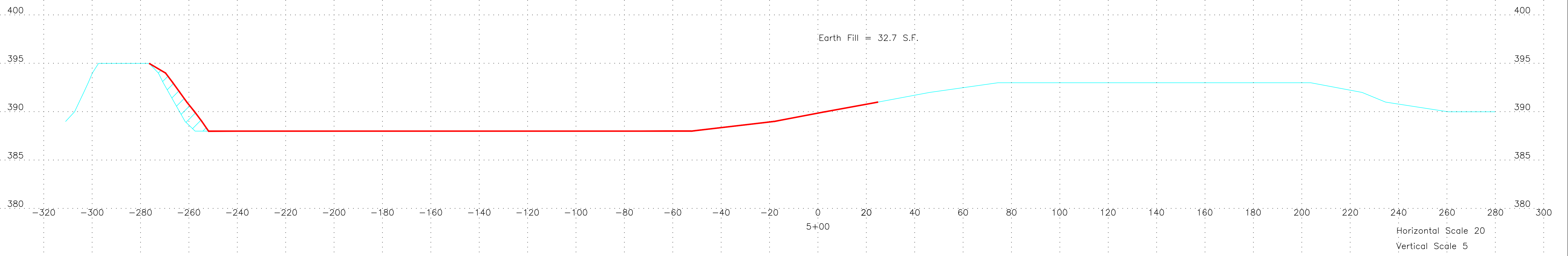
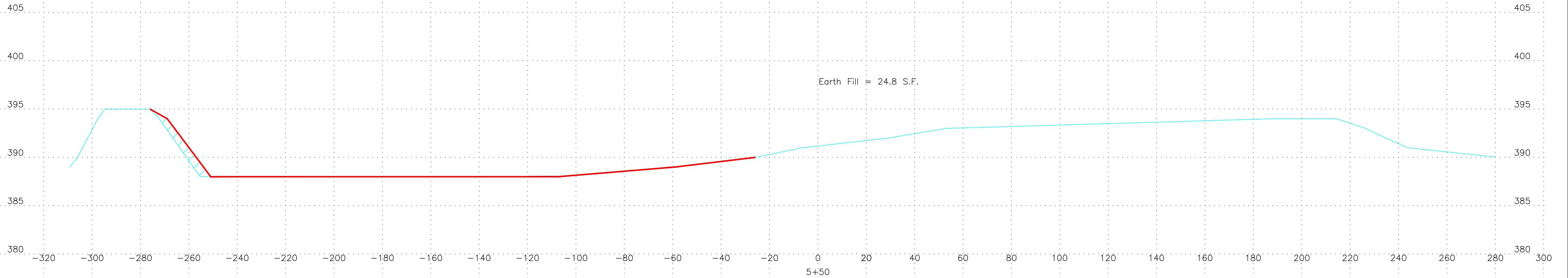
LEGEND

	MINE REFUSE EXCAVATION		EARTH EXCAVATION		EXISTING GRADE
	MINE REFUSE FILL		EARTH FILL		PROPOSED GRADE
					EXISTING SUBGRADE

Horizontal Scale 20
 Vertical Scale 5

LEGEND

- | | | | | | |
|--|------------------------|--|------------------|--|-------------------|
| | MINE REFUSE EXCAVATION | | EARTH EXCAVATION | | EXISTING GRADE |
| | MINE REFUSE FILL | | EARTH FILL | | PROPOSED GRADE |
| | | | | | EXISTING SUBGRADE |



Horizontal Scale 20
 Vertical Scale 5

SPACING LETTERS

4.5"
3.5"
1.5"
3.5"
2.5"
3.5"
3.5"
2.5"
3.5"
2.5"
1.5"
2.5"
3.0"
2.0"
1.5"
2.0"
4.5"

ABANDONED MINED LANDS RECLAMATION PROJECT STATE OF ILLINOIS

J.B. PRITZKER, GOVERNOR

Department of Natural Resources
Colleen Callahan, Director

Funding provided by the US Department of the Interior
Office of Surface Mining, with fees paid by the Coal Industry



1. Furnishing, erecting and removing the sign shall be incidental to the contract.
2. The sign shall be painted on 1/2" or thicker exterior plywood (4' x 8'), color shall be black on white, and a 10" diameter Illinois state seal shall be provided by the D.N.R.
3. The posts shall be made of 4" x 4" wood or 2.5" metal pipe, and shall be 10' long. The sign shall be securely fastened to the posts with six 2.5" long, round head wood screws (for wood posts) or four 5" long, 3/8" diameter carriage bolts (for wood or metal posts).
4. The top of the sign shall be level with the top of the posts, and the posts shall be 1' from the edges of the sign. The posts shall be set in the ground 3', so that the bottom of the sign is 3' from the ground.

Detail A-10 CONSTRUCTION SIGN DETAIL

EXACT LOCATION TO BE SET BY ENGINEER

