

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION


DEPARTMENT OF PUBLIC WORKS

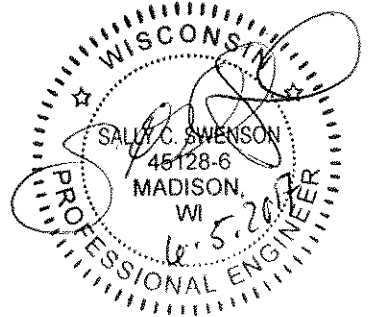
PLAN OF PROPOSED IMPROVEMENTS

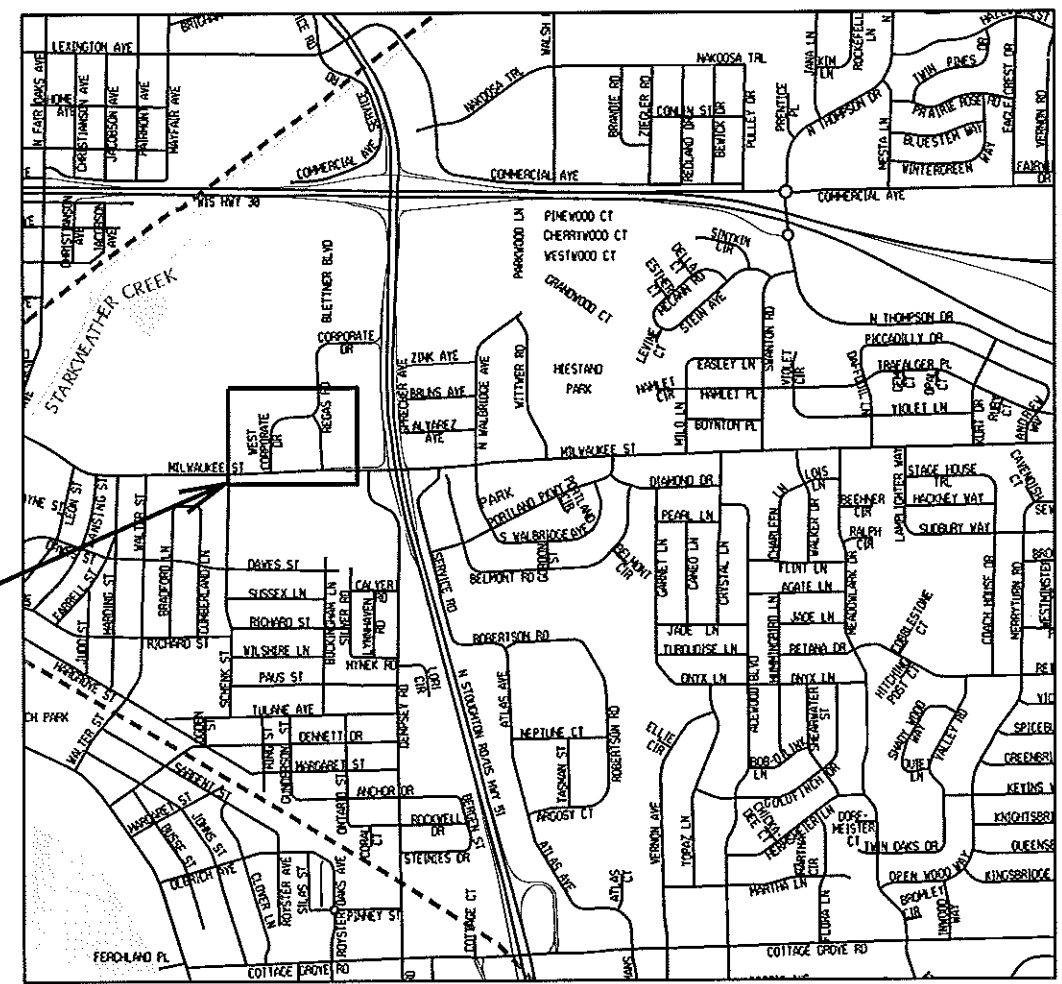
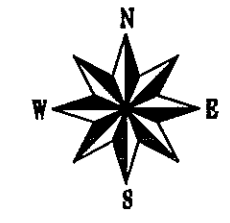
CORPORATE DRIVE GREENWAY

CITY PROJECT NO. 10986
CONTRACT NO. 7980

PUBLIC IMPROVEMENT PROJECT APPROVED
MAY 16, 2017
BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

City Engineer Date 6/6/17

STORM SEWER DESIGNED BY:




PROJECT
LOCATION

INDEX OF SHEETS

SHEET NO.	NA	TITLE SHEET
SHEET NO. 1	NA	EXISTING CONDITIONS & LAYDOWN AREA
SHEET NO. 2	NA	EROSION CONTROL PLAN
SHEET NO. 3-4	NA	DETAILS
SHEET NO. 5	NA	GRADING PLAN
SHEET NO. 6	NA	STORM SCHEDULE
SHEET NO. XI-XI9	NA	CROSS-SECTIONS

CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
OVERHEAD ELECTRIC	— OH —
POWER POLE	⊕

EARTH WORK SUMMARY:
EXCAVATION CUT - CHANNEL (MEASURED PLAN QUANTITY).....2,150 C.Y.

PLOT SCALE: _____
PLOT NAME: _____
REV. DATE: _____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

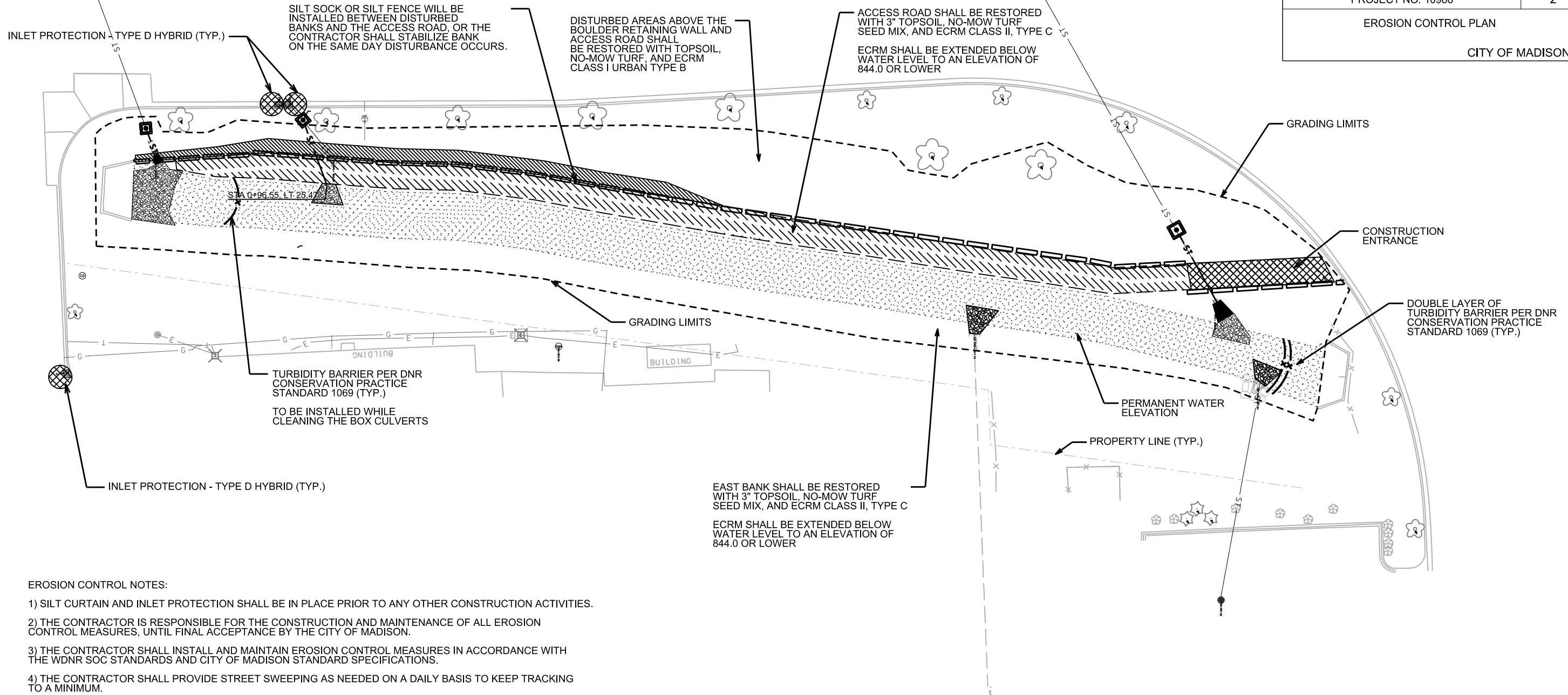
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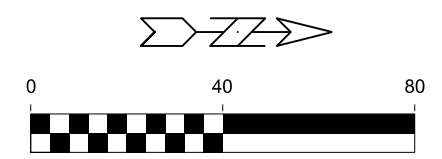
EROSION CONTROL PLAN

CITY OF MADISON



EROSION CONTROL NOTES:

- 1) SILT CURTAIN AND INLET PROTECTION SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES.
- 2) THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES, UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.
- 3) THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.
- 4) THE CONTRACTOR SHALL PROVIDE STREET SWEEPING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.
- 5) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL STORM WATER CONTROL MEASURES NECESSARY WITHIN THE CHANNEL AND ASSOCIATED DRAINAGES.
- 6) POLYMER SHALL BE APPLIED TO THE AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.
- 7) THE CONTRACTOR SHALL NOT STOCKPILE MATERIAL OR STORE EQUIPMENT WITHIN THE CHANNEL.
- 8) SILT CURTAIN SHALL BE INSTALLED AS SHOWN IN THE PLAN SET, OR AS DIRECTED BY THE CONSTRUCTION ENGINEER.
- 9) THE CONTRACTOR SHALL EITHER INSTALL SILT SOCK OR SILT FENCE BETWEEN DISTURBED SLOPES AND THE CHANNEL, OR SHALL STABILIZED CHANNEL BANKS ON THE SAME DAY THAT DISTURBANCE OCCURS.
- 10) THE CONTRACTOR SHALL INSTALL SILT SOCK OR SILT FENCE AT THE DIRECTION OF THE CONSTRUCTION ENGINEER.
- 11) ALL EROSION CONTROL MATTING SHALL BE OVERLAPPED IN A MANNER THAT CORRESPONDS WITH THE FLOW DIRECTION IN THE CHANNEL.
- 12) ADDITIONAL INLET PROTECTION MAY BE REQUIRED OUTSIDE THE LIMITS OF THIS SHEET.
- 13) THE CONTRACTOR SHALL CLEAN THE MILWAUKEE STREET BOX CULVERTS PRIOR TO DREDGING THE CHANNEL.
- 14) WITH THE EXCEPTION OF DREDGING AS NECESSARY TO CLEAN THE MILWAUKEE STREET CULVERTS, THE CONTRACTOR SHALL START AT THE DOWNSTREAM END OF THE CHANNEL AND WORK THEIR WAY UPSTREAM.



PLOT SCALE: _____

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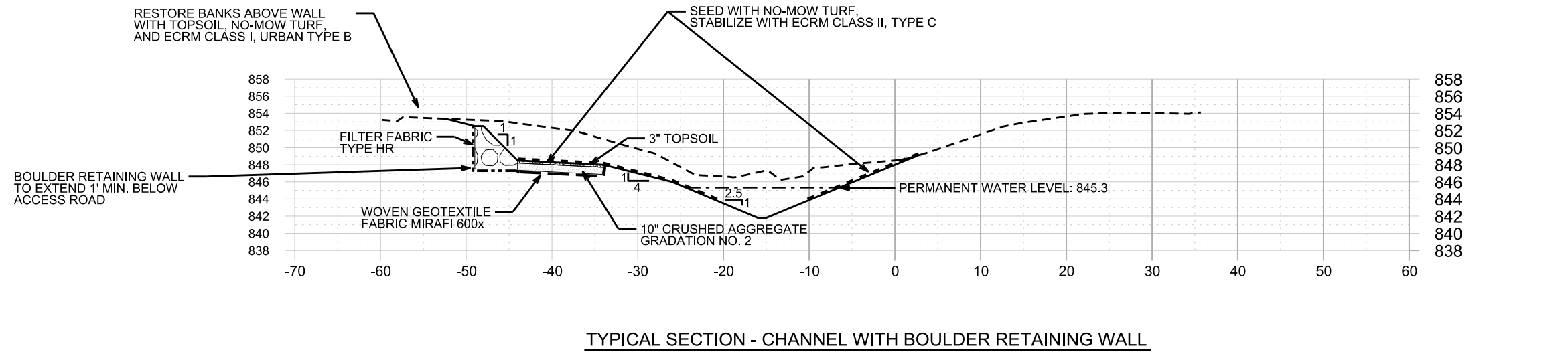
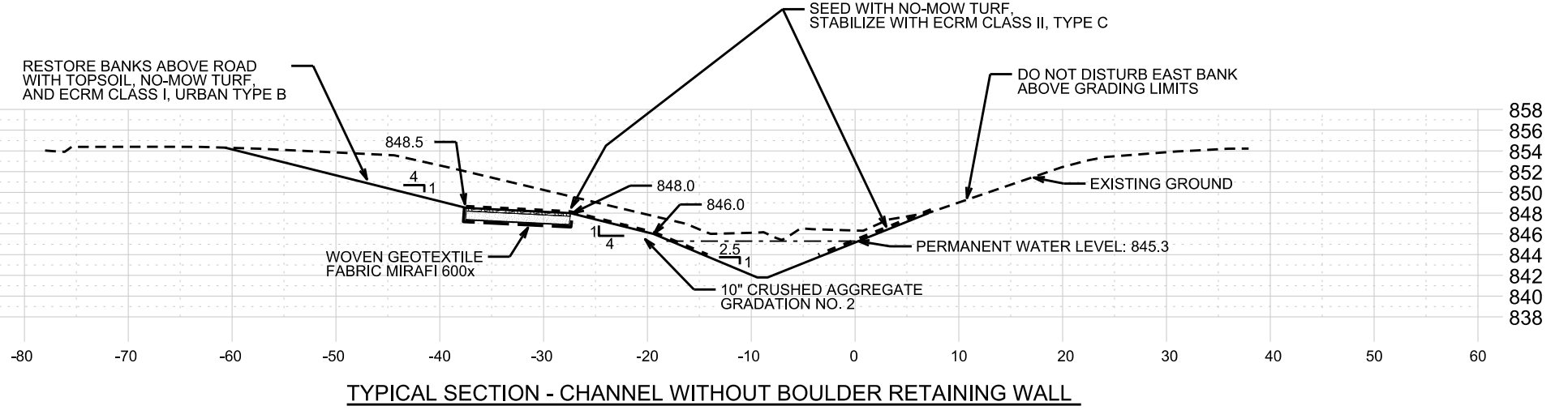
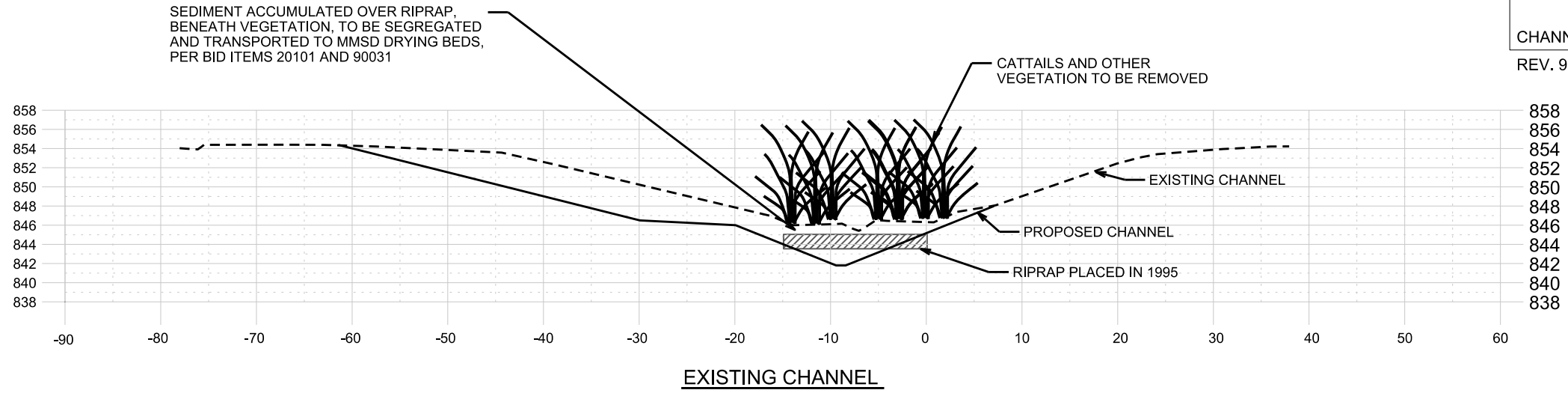
REV. DATE: _____

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DETAILS

CHANNEL SECTIONS CITY OF MADISON

REV. 9-5-2017 SCS

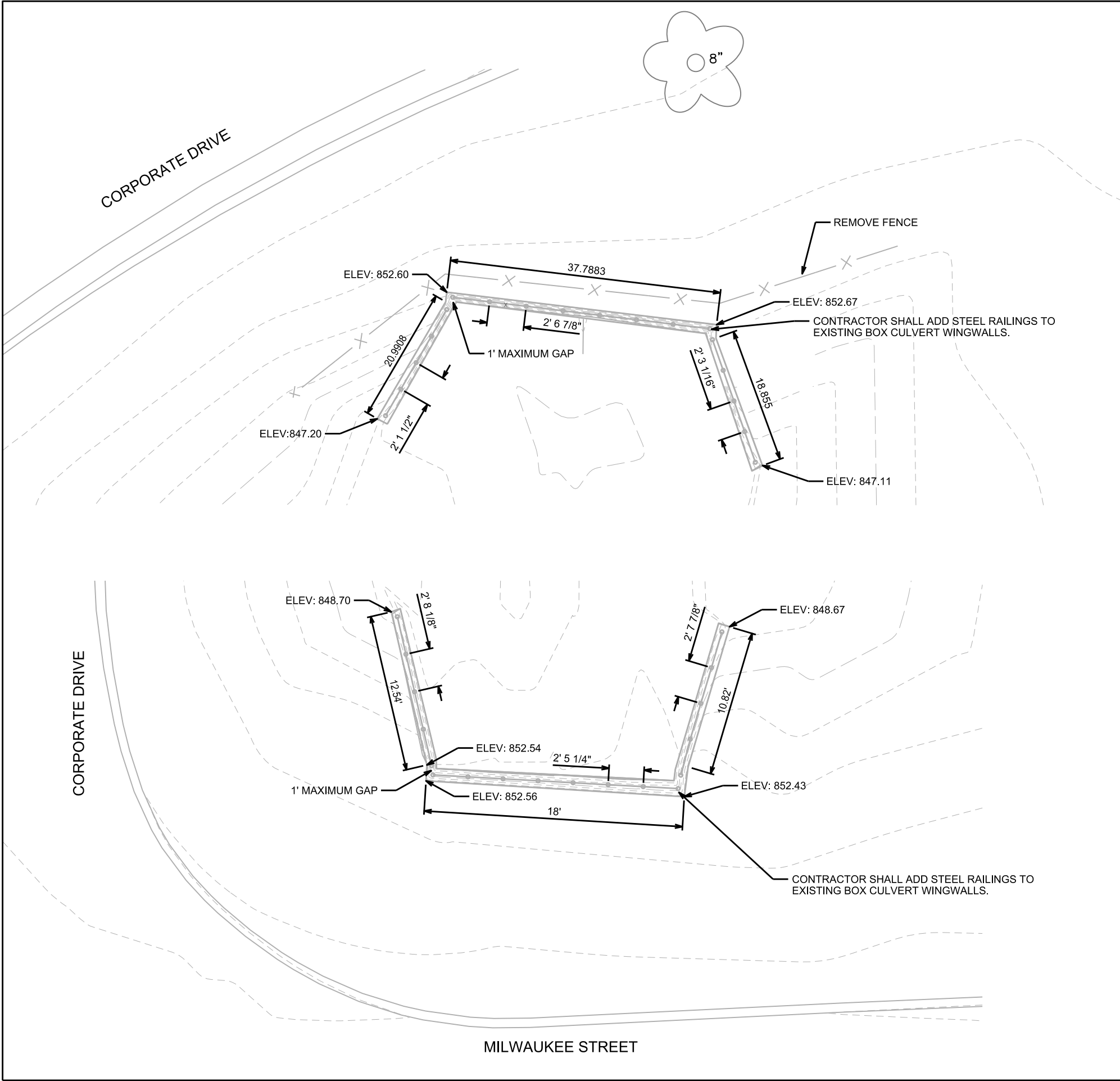


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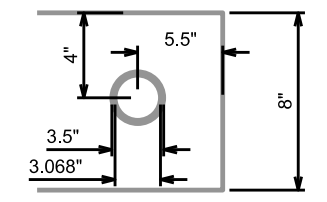
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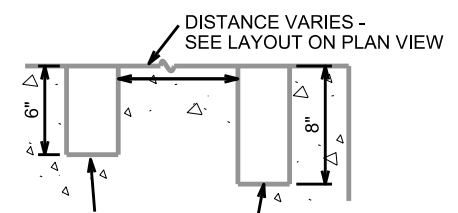
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GUARD RAIL DETAILS

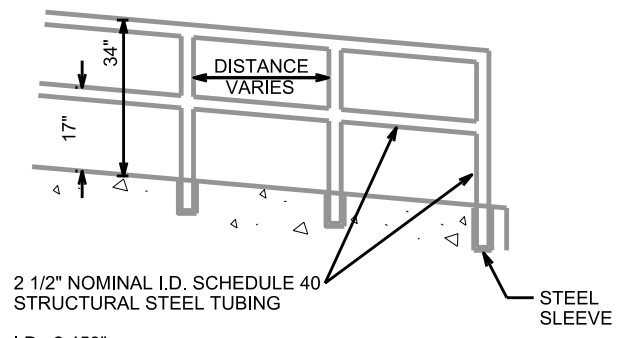


STRUCTURAL STEEL SLEEVE - TOP VIEW



3" NOMINAL I.D. STANDARD WEIGHT STRUCTURAL STEEL TUBING, EMBEDDED 8" INTO CONCRETE AT ENDS, AND 6" FOR LINE POSTS.

STRUCTURAL STEEL SLEEVE - SIDE VIEW



I.D.: 2.459"
O.D.: 2.875"

NOTE:
ON SLOPED WINGWALLS, THE POSTS SHOULD REMAIN VERTICAL. SLOPE RAILS TO MATCH WINGWALLS.

STRUCTURAL STEEL TUBING - SIDE VIEW

GENERAL RAILING NOTES:

GUARD RAIL SHALL BE CONSTRUCTED OF SCHEDULE 40, GALVANIZED STEEL

ALL PIPES SHALL BE CUT TO FIT AND JOINTS SHALL BE WELDED CONTINUOUSLY AROUND THE PERIMETER WITH A TYPE 3 WELD, TO ASSURE A BURR FREE AND STRUCTURALLY SOUND CONNECTION.

THE GUARD RAIL SHALL NOT BE FABRICATED UNTIL THE STEEL SLEEVES ARE IN PLACE. THE ACTUAL DIMENSIONS, AS MEASURED IN THE FIELD, SHALL BE UTILIZED TO CONSTRUCT THE GUARD RAILS.

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GRADING PLAN

CITY OF MADISON

REV. 9-5-2017 SCS

ACCESS ROAD FROM STATION 0+50 TO 1+00:
IF SOIL CONDITIONS PERMIT, ADD MIRAFI 600x
GEOTEXTILE FABRIC AND 10" CRUSHED AGGREGATE.
IF NOT POSSIBLE, CONSTRUCT AN EARTHEN BENCH
TO GRADES AND SLOPES SHOWN IN X-SECTIONS.

ULO:
CONTRACTOR TO LOCATE
WATER SERVICE BENEATH CHANNEL

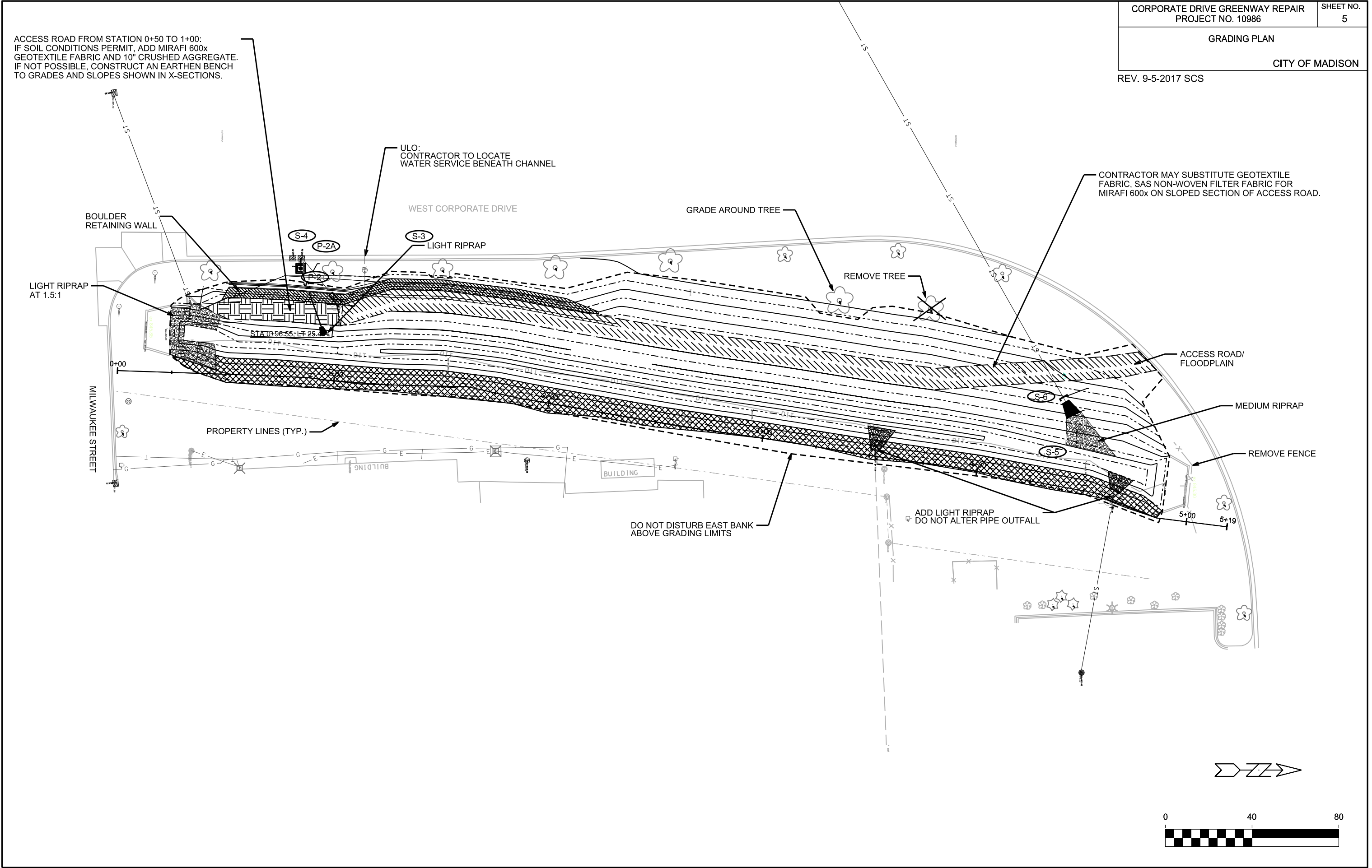
CONTRACTOR MAY SUBSTITUTE GEOTEXTILE
FABRIC, SAS NON-WOVEN FILTER FABRIC FOR
MIRAFI 600x ON SLOPED SECTION OF ACCESS ROAD.

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STORM SEWER SCHEDULE

REV. 9-5-2017 SCS

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
* S-1	0+33.76	LT-30.40	15" APRON ENDWALL	--	846.00	--	(1)
* S-2	0+28.14	LT-43.73	3X3 SAS	852.25	846.00	6.25	W/ R-1878-A10G, FP
* S-3	0+92.93	LT-20.69	18" APRON ENDWALL	--	844.27	--	(1)
* S-4	0+82.18	LT-50.18	3X3 SAS	853.30	849.85	3.45	W/ R-1689-0054, FP, (3), (4)
* S-5	4+46.53	LT-24.70	36" APRON ENDWALL	--	846.22	--	(1)
* S-6	4+21.65	LT-54.78	CONCRETE COLLAR	--	846.29	--	IF NECESSARY
* S-4A	8+82.28	LT-53.63	STORM TAP	--	849.85	--	

PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN LGTH FT	PIPE LGTH FT	SLOPE (%)	PIPE SIZE	TYPE	NOTES
* P-1	S-1	S-2	846.00	846.00	14.50	12.9	0.00%	15"	RCP	
* P-2	S-3	S-4	843.60	843.60	26.60	25	0.00%	18"	RCP	
* P-3	S-5	S-6	844.50	844.50	39.00	37	0.00%	36"	RCP	
* P-2A	S-4	AE 6339-002	849.80	849.85	3.44	1.3	0.97%	18"	RCP	

STORM PIPE REMOVALS

PIPE REMOVAL NO.	REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	PIPE SIZE	TYPE	NOTES
* RP-1	S-2	S-4	14	N	15"	RCP	
RP-2	S-4	AE 6339-002	21	Y	18"	RCP	
* RP-3	S-6	S-5	21	N	36"	RCP	

SPECIFIC NOTES

- (1) STATION AND OFFSET ARE TO DOWNSTREAM EDGE, CL OF APRON ENDWALL
- (2) PIPE DISCHARGES BELOW STANDING WATER LEVEL. RIPRAP TO BE PLACED AT OUTLET BELOW WATER LEVEL.
- (3) PIPE WALLS TO BE POURED INTO STRUCTURE WALLS
- (4) 3' SUMP TO BE INSTALLED BELOW INVERT OF STRUCTURE

STANDARD NOTES:

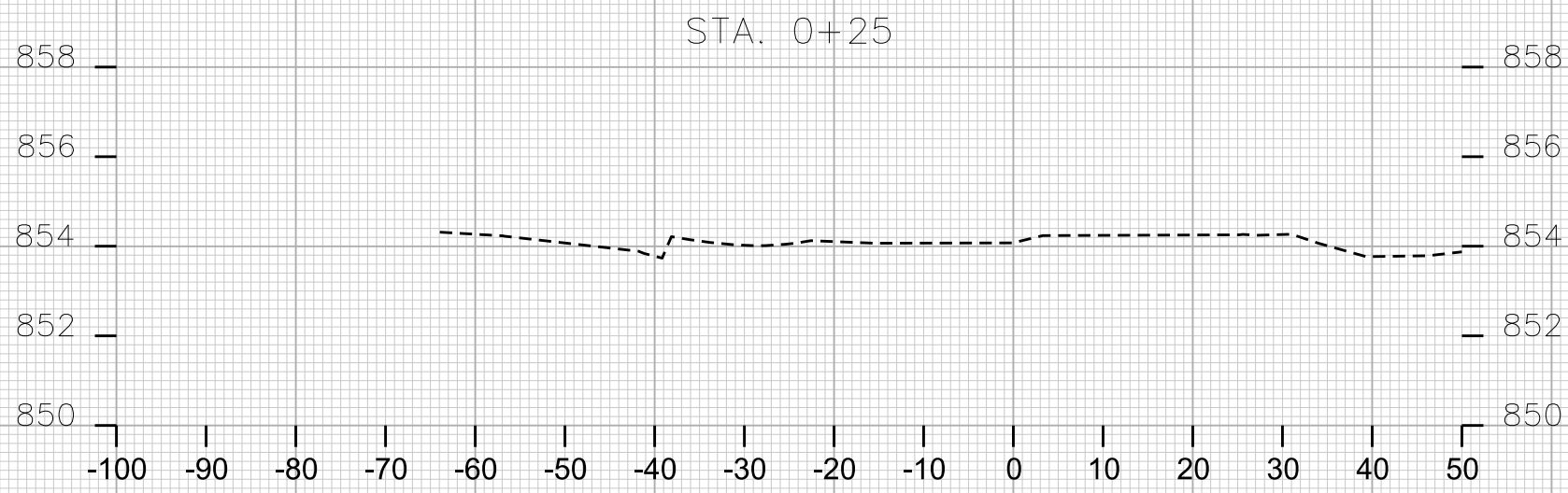
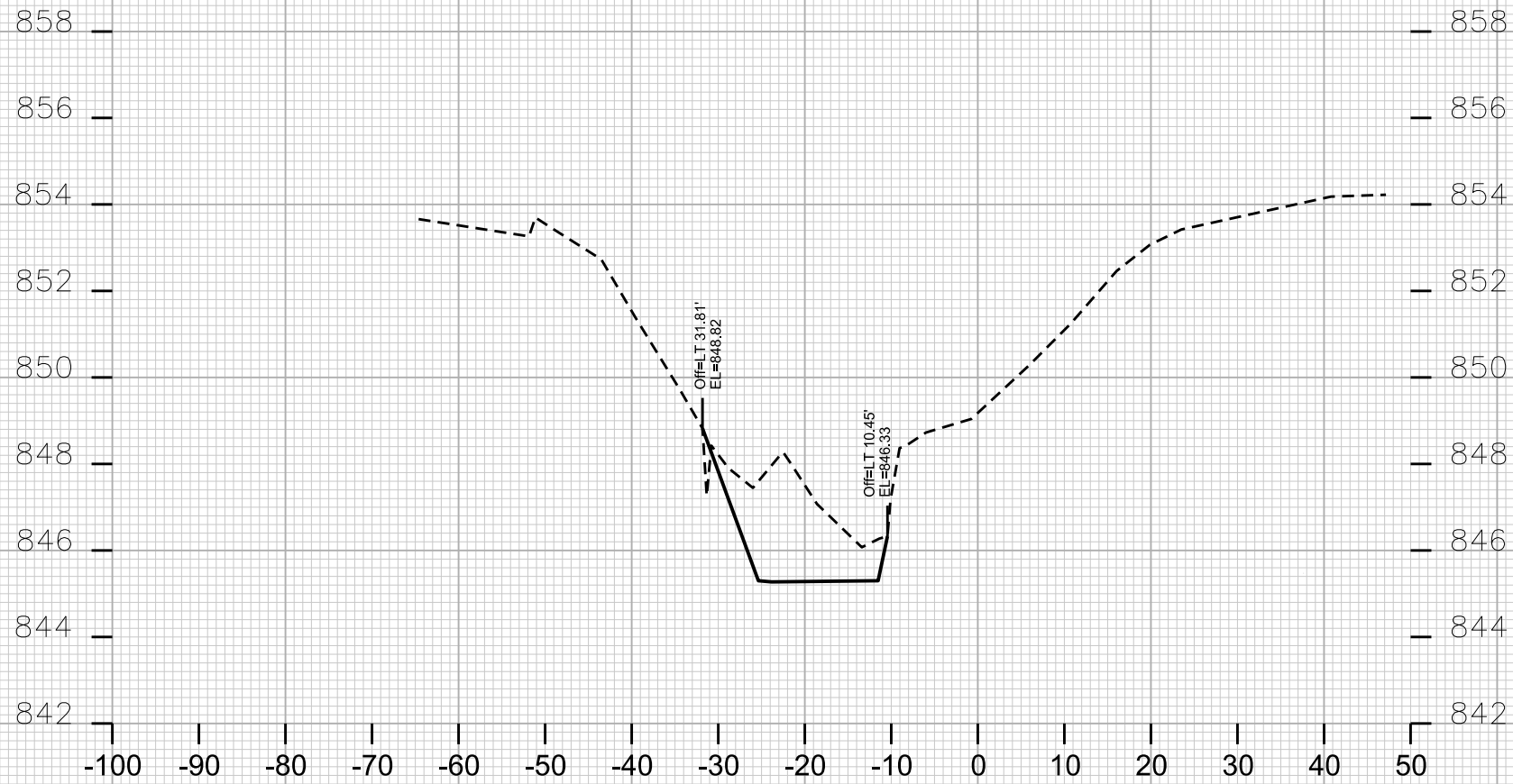
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM ALL STRUCTURE LOCATIONS
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED.
- ALL QUESTIONS CAN BE DIRECTED TO SALLY SWENSON AT SSWENSON@CITYOFMADISON.COM OR 608-266-4862

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CROSS SECTIONS

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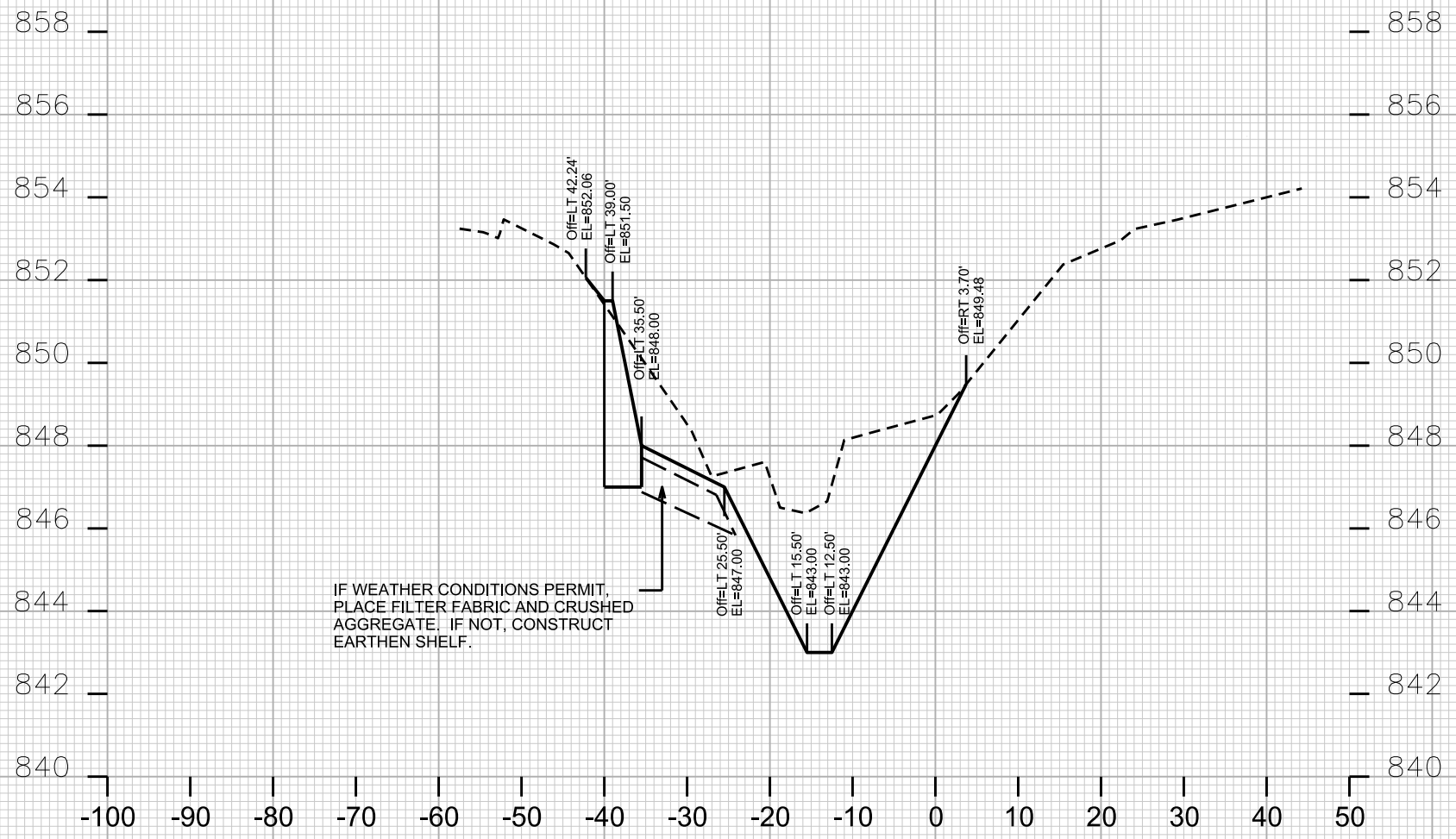
CITY OF MADISON

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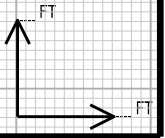
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IF WEATHER CONDITIONS PERMIT,
PLACE FILTER FABRIC AND CRUSHED
AGGREGATE. IF NOT, CONSTRUCT
EARTHEN SHELF.

STA. 0+50

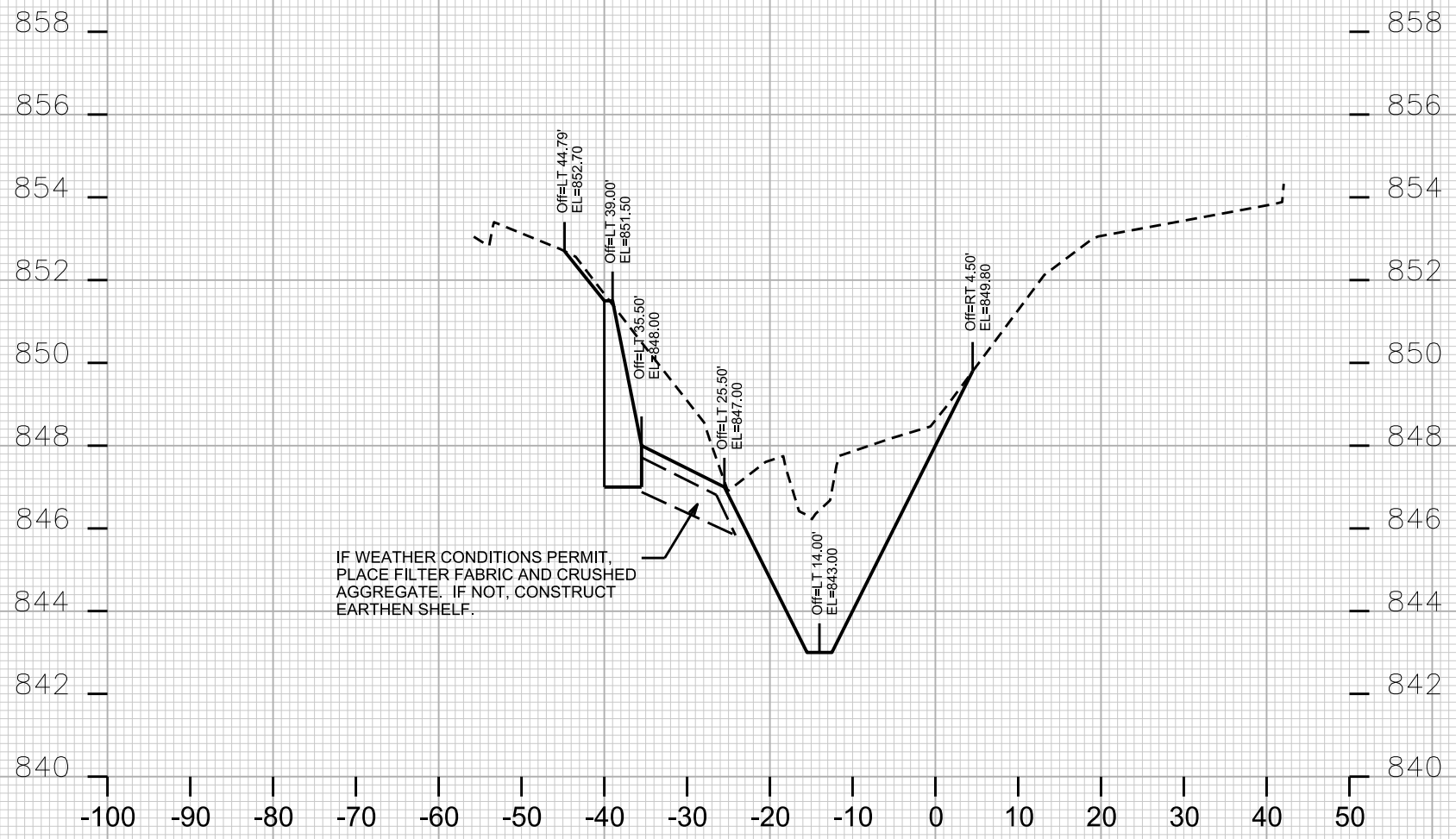


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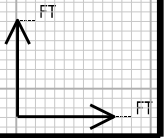
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IF WEATHER CONDITIONS PERMIT,
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STA. 0+75

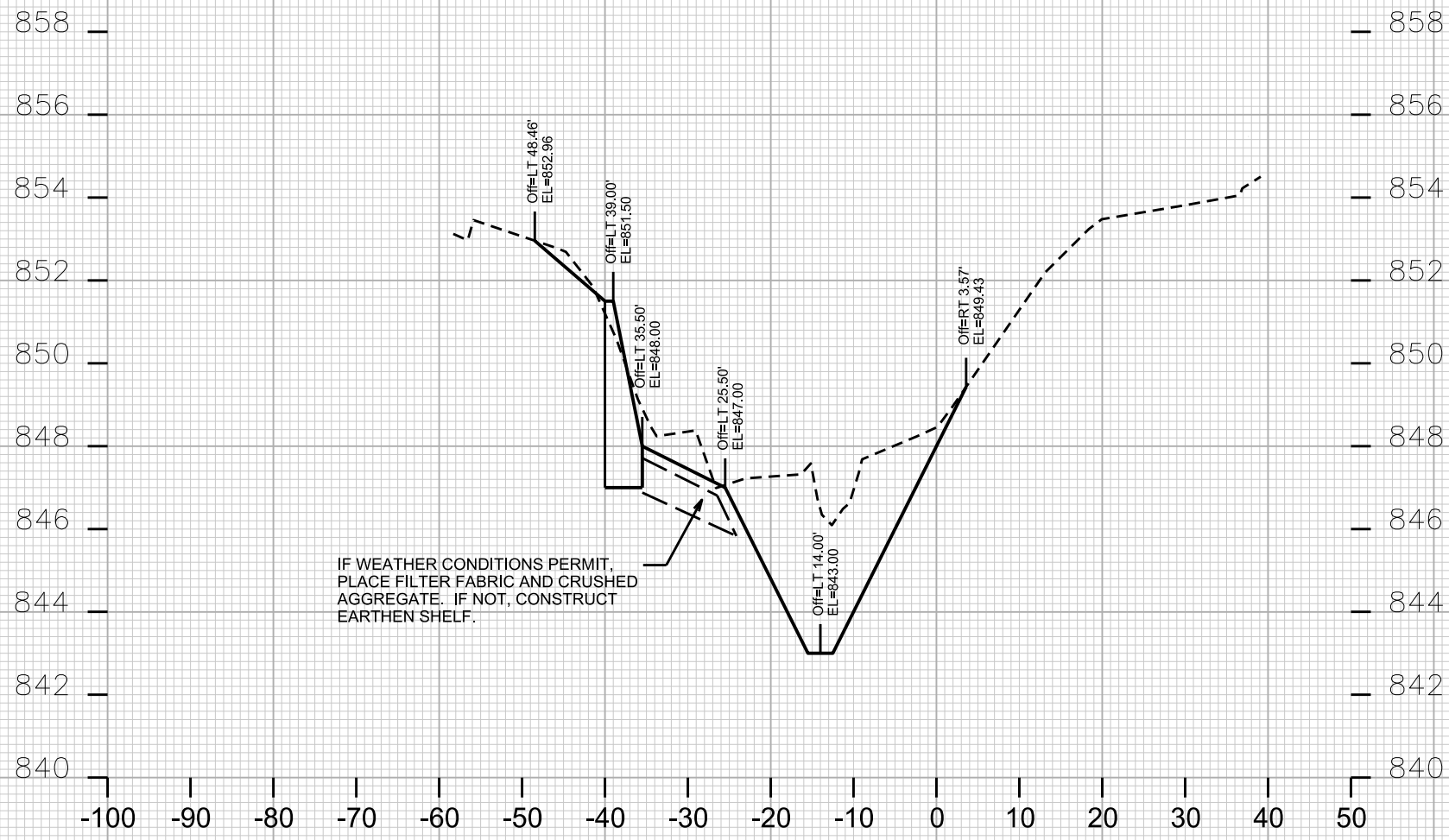


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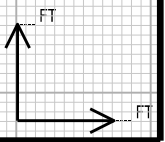
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IF WEATHER CONDITIONS PERMIT,
PLACE FILTER FABRIC AND CRUSHED
AGGREGATE. IF NOT, CONSTRUCT
EARTHEN SHELF.

STA. 1+00



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

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STA. 1+25



CROSS SECTIONS

REVISION 9-5-2017

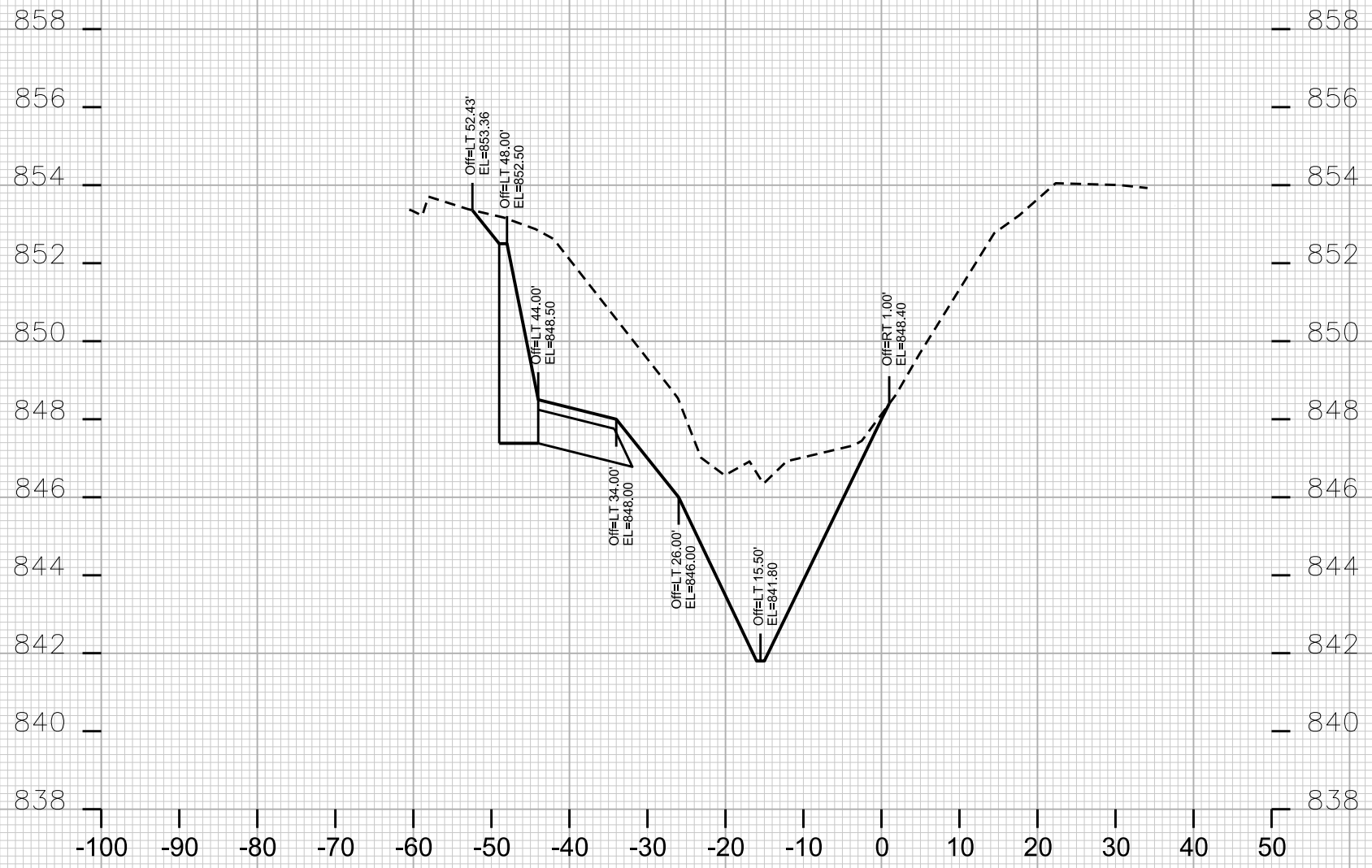
CITY OF MADISON

PLOT SCALE: _____

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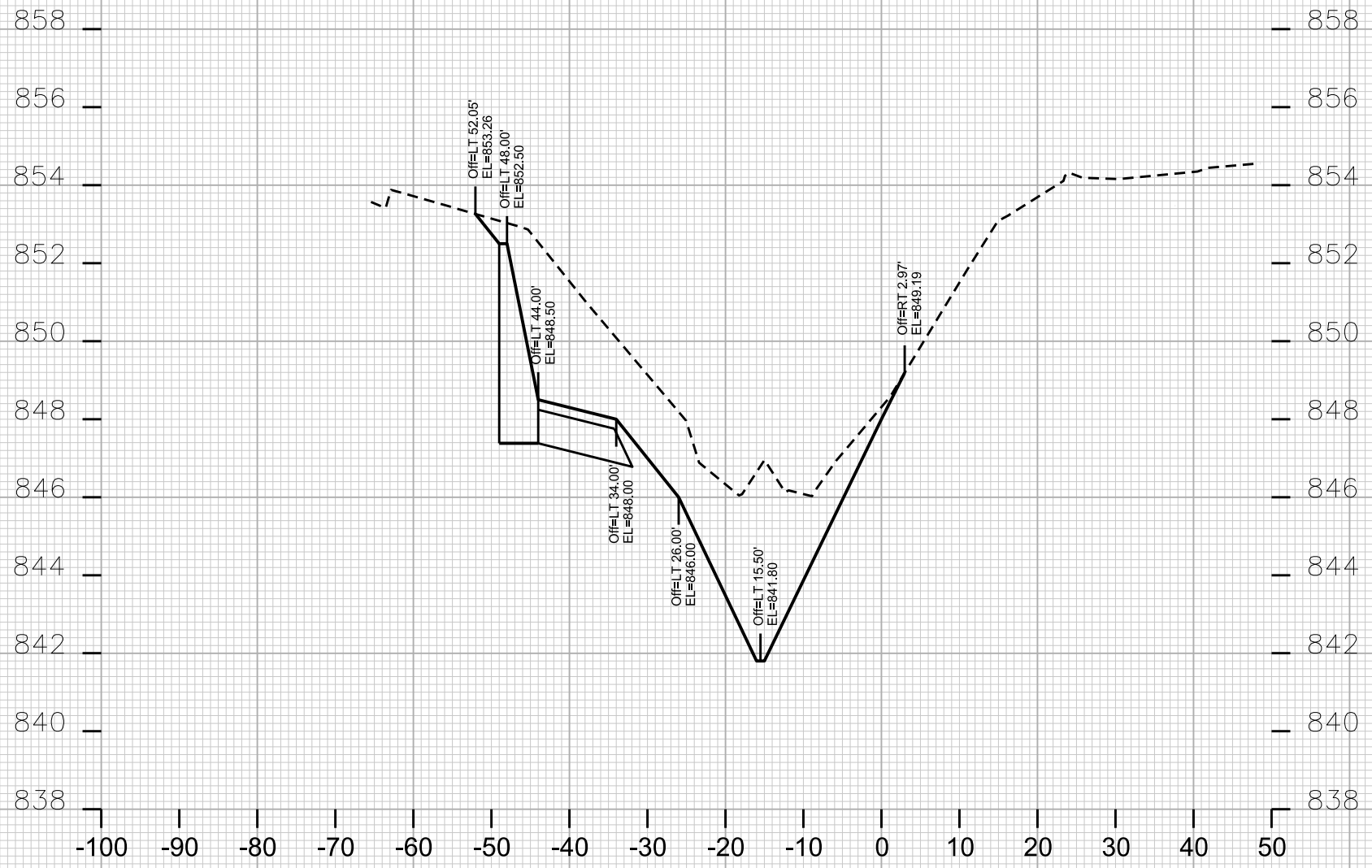


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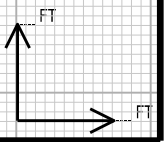
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STA. 1+75

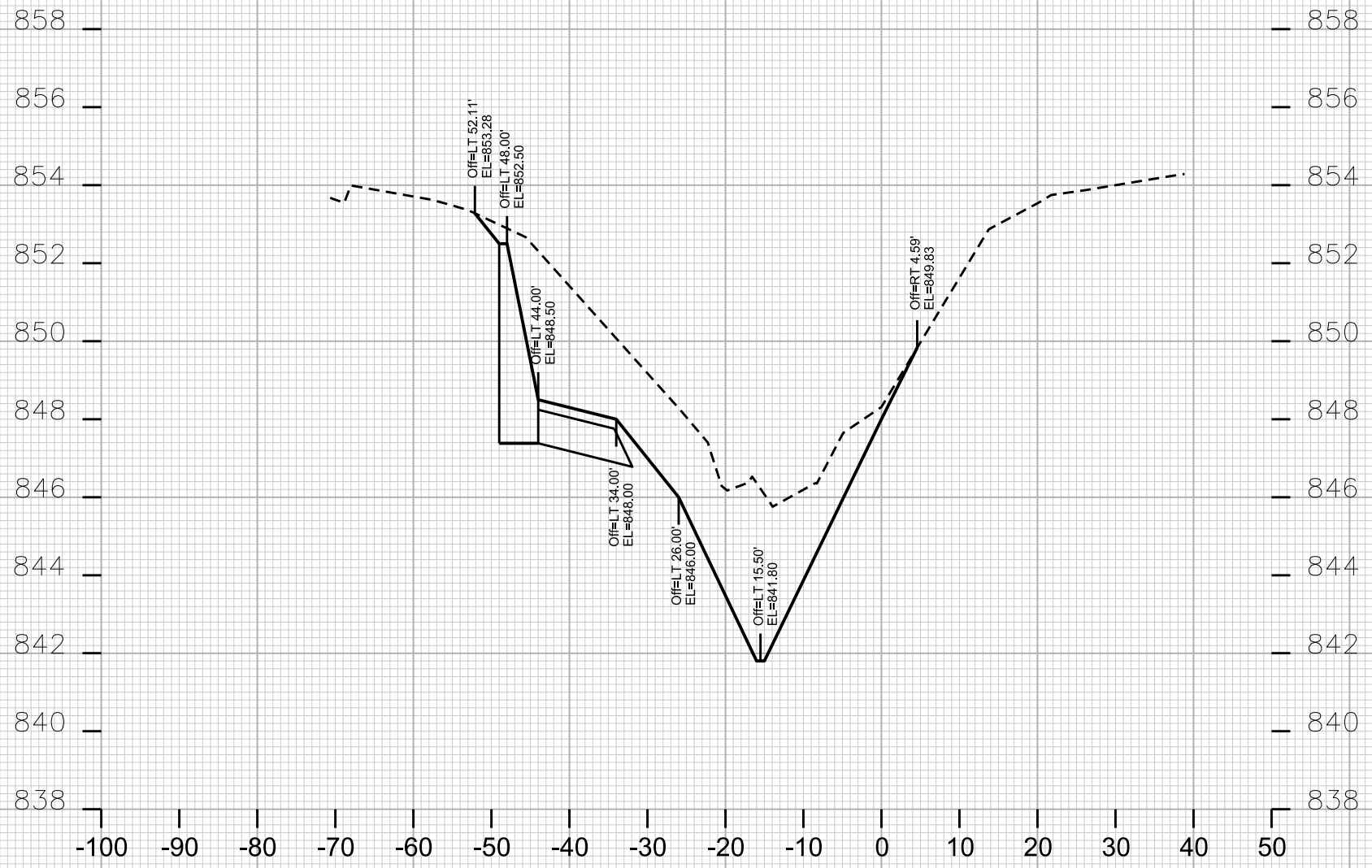


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STA. 2+00

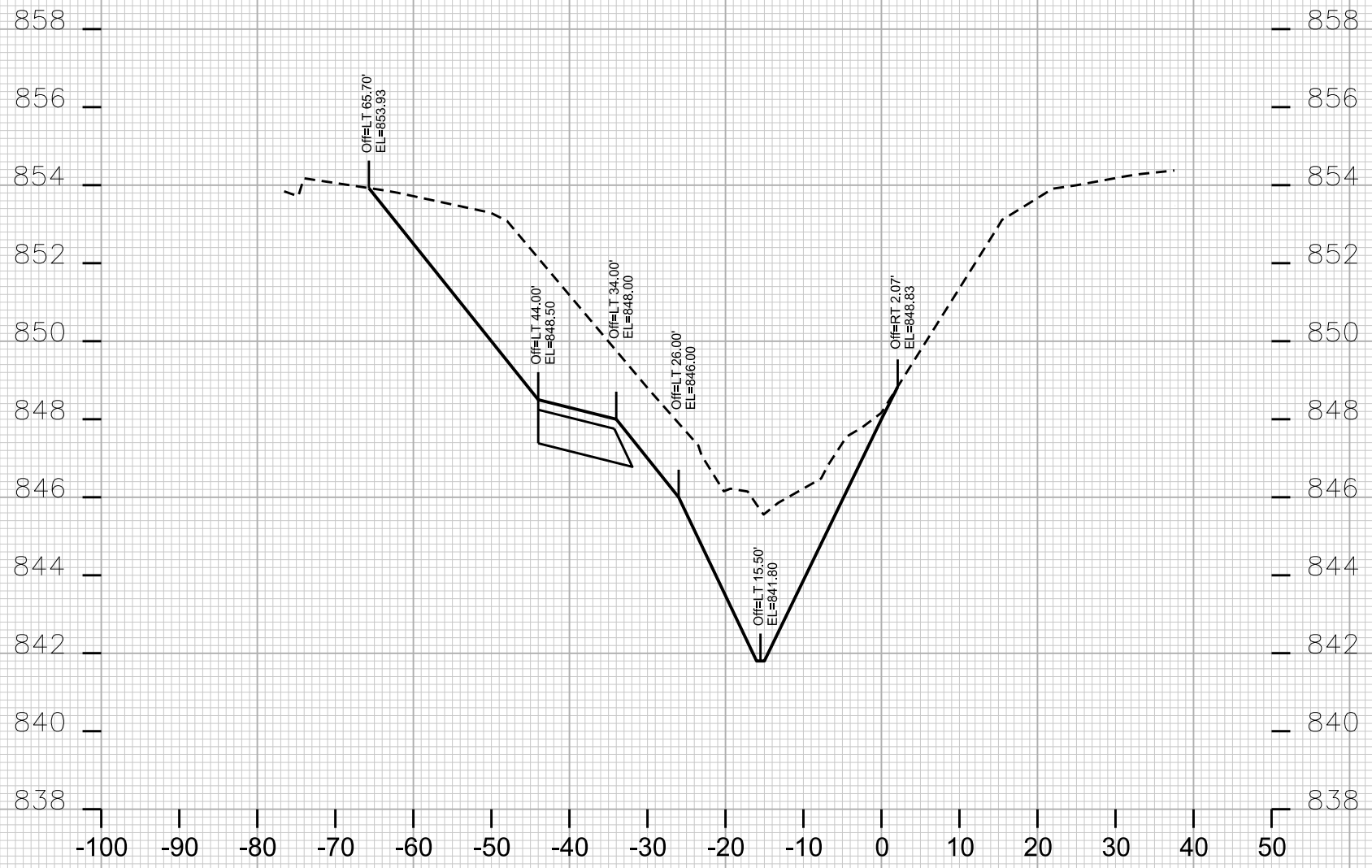


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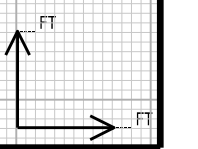
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STA. 2+25



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STA. 2+50



PLOT SCALE: _____

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STA. 2+75

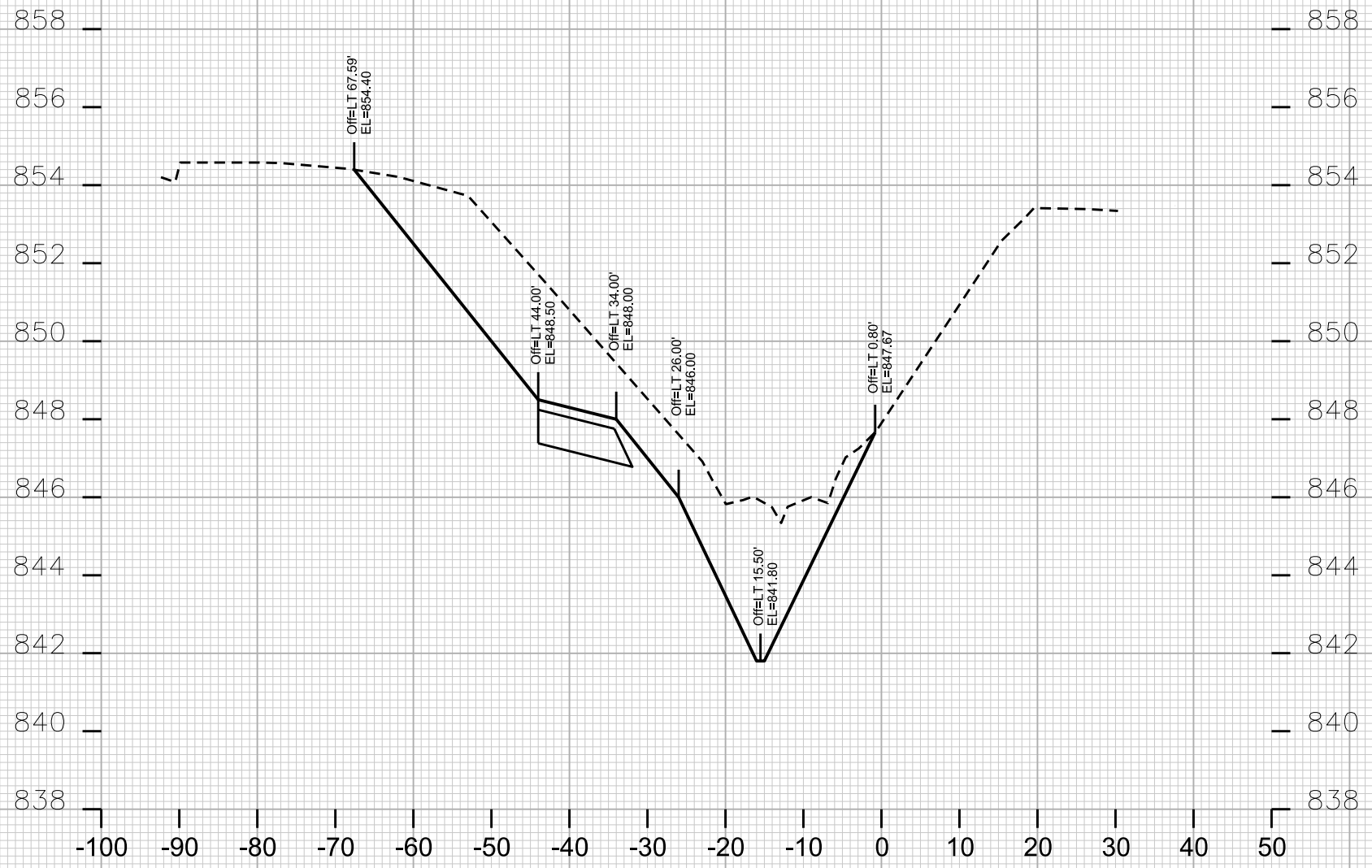


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STA. 3+00

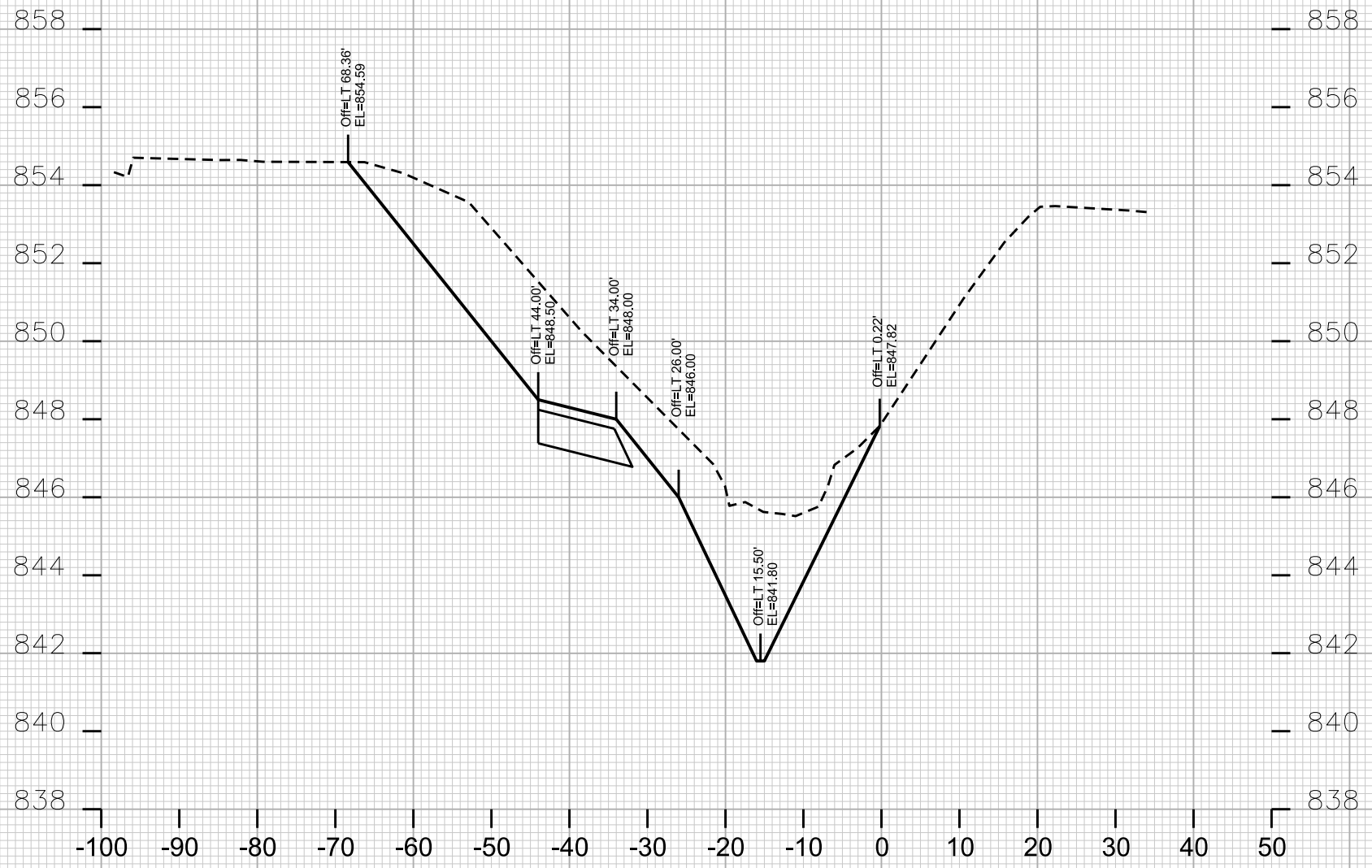


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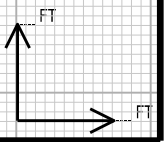
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STA. 3+25

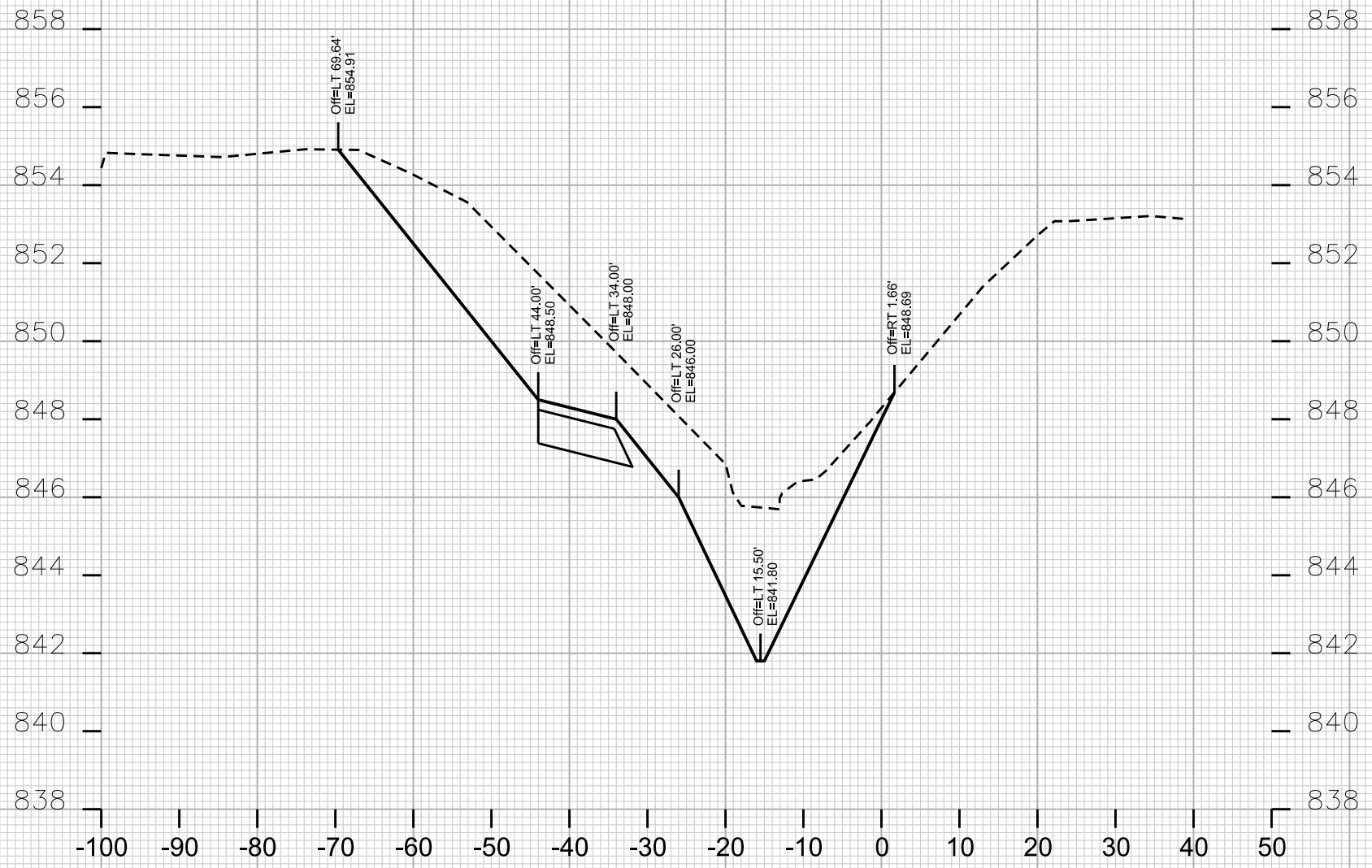


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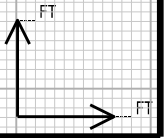
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STA. 3+75



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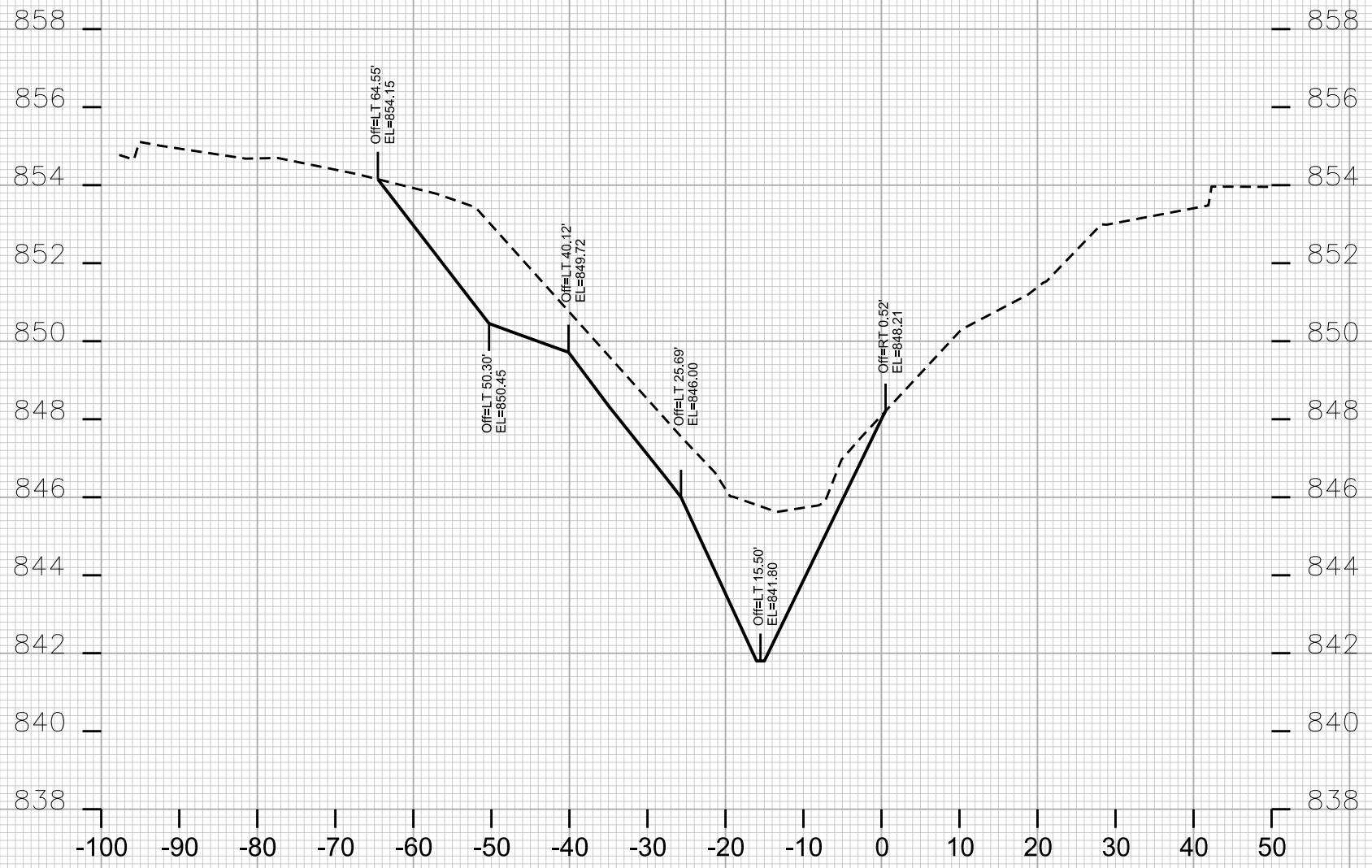
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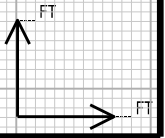
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STA. 4+00

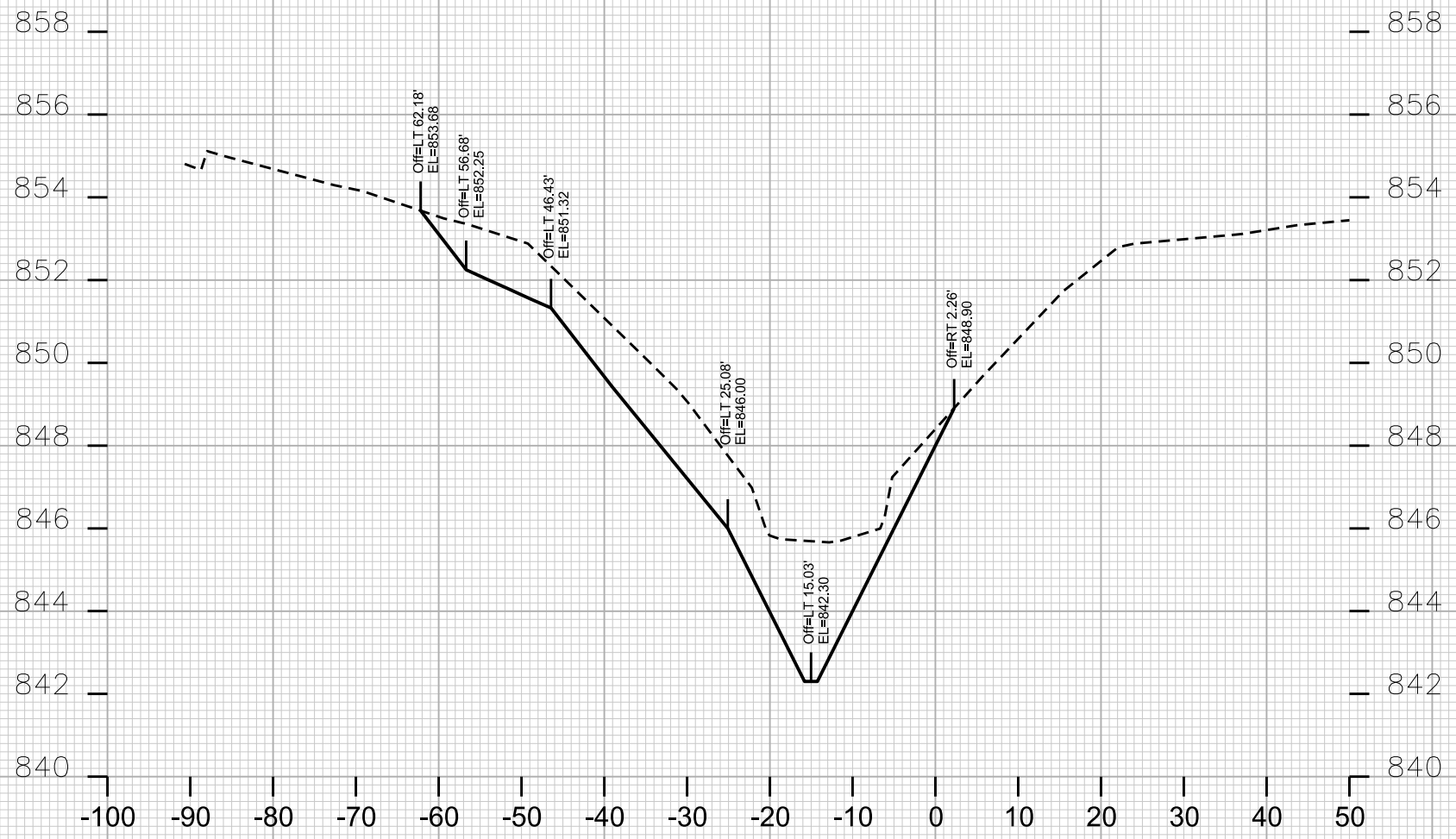


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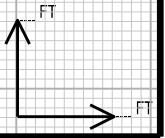
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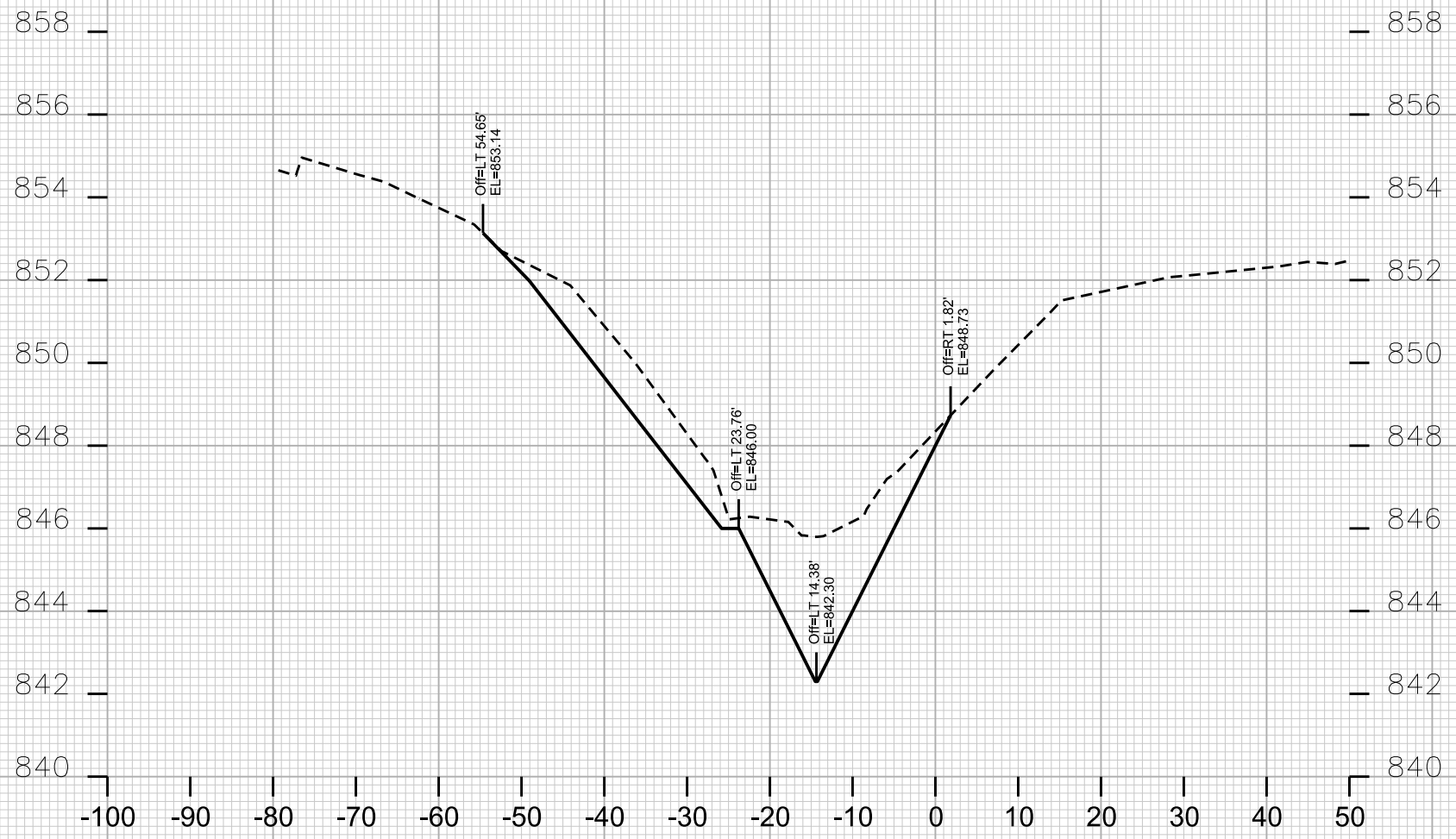
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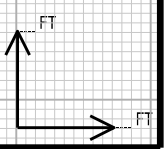
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STA. 4+50



CROSS SECTIONS

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