

Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

## WHEELER AT BONNER - CHEROKEE POND

PUBLIC IMPROVEMENT PROJECT APPROVED

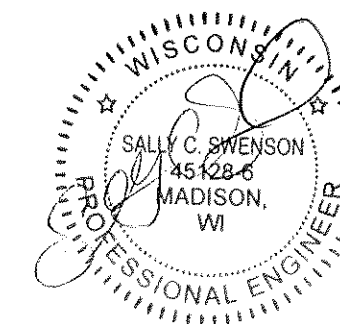
JUNE 8, 2016

BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

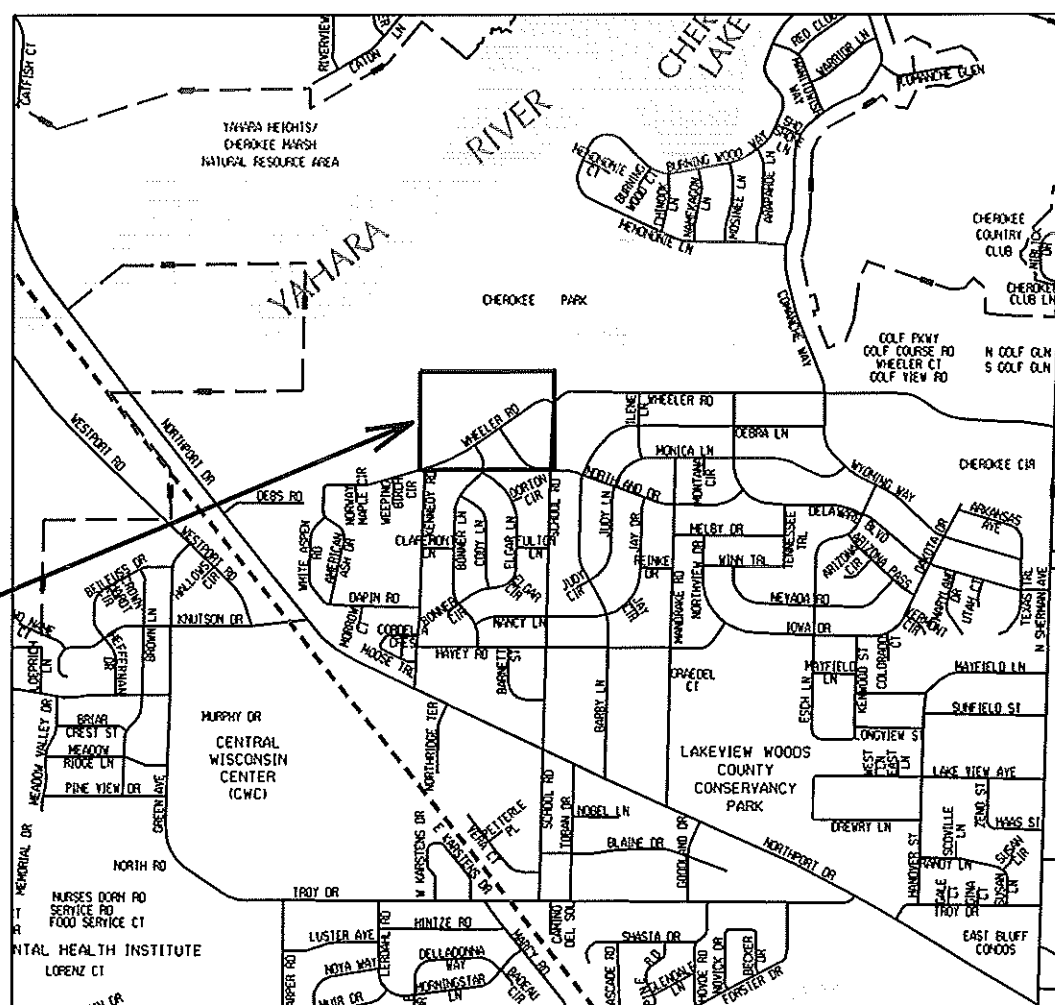
PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

*Christy Bachman* 11-18-16  
City Engineer Date

STORM SEWER DESIGNED BY:



CITY PROJECT NO. 10848  
CONTRACT NO. 7815



PROJECT  
LOCATION

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SHEET NO. P1	SHEET LAYOUT
SHEET NO. P2-4	GRADING PLAN
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SHEET NO. P7	STORM SCHEDULE
SHEET NO. X1-X32	CROSS-SECTIONS (ROAD ALIGN.)
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CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	G
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WATER	W
OVERHEAD ELECTRIC	OH
POWER POLE	⊥

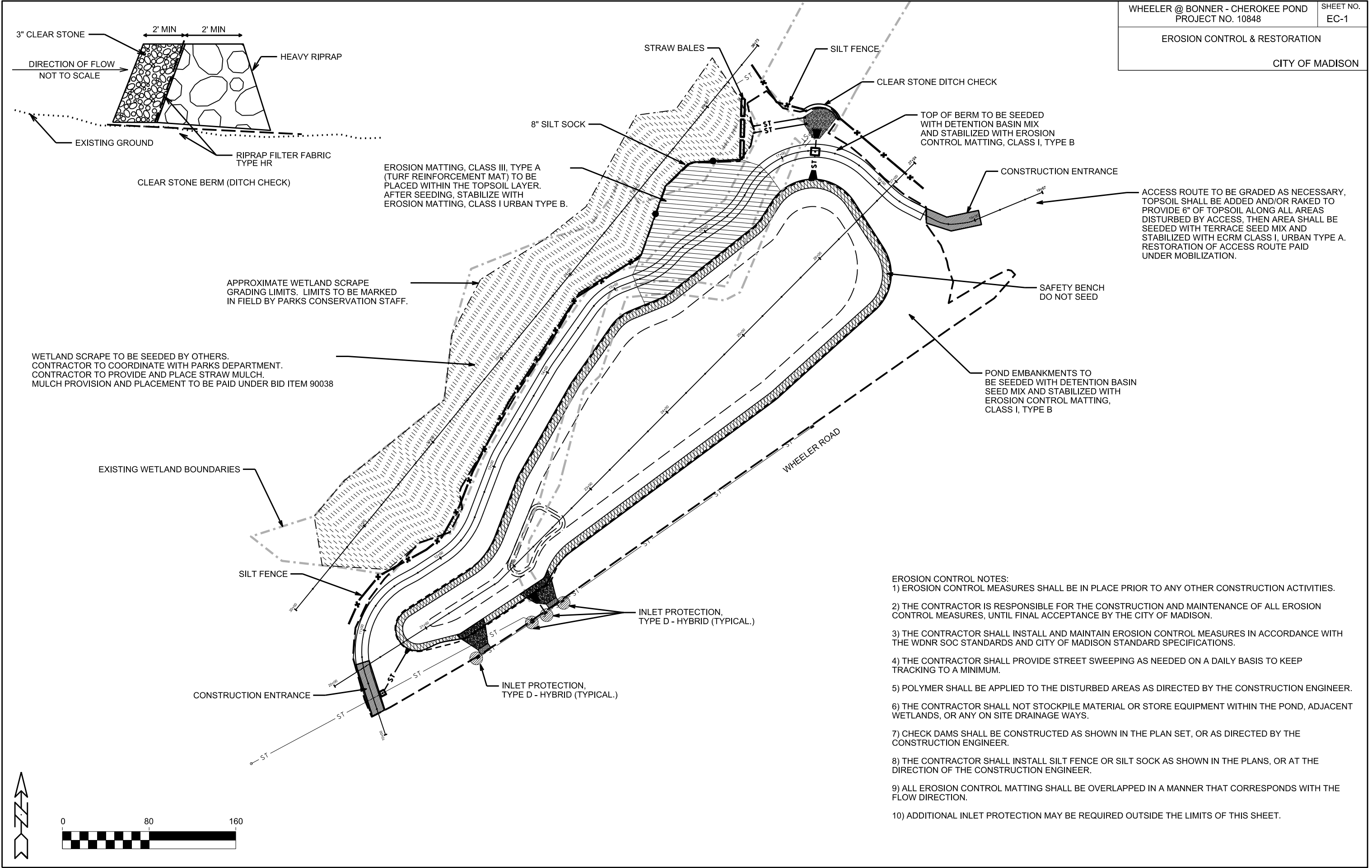
EARTH WORK SUMMARY:  
 EXCAVATION CUT - POND.....28,576 C.Y.  
 EXCAVATION CUT - UNDERCUT FOR CLAY LINER.....1,520 C.Y.  
 TOTAL CUT.....30,096 C.Y.

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CIOLOMADISON-STREETS DIVISION



- EROSION CONTROL NOTES:
- 1) EROSION CONTROL MEASURES 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) POLYMER SHALL BE APPLIED TO THE DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.
  - 6) THE CONTRACTOR SHALL NOT STOCKPILE MATERIAL OR STORE EQUIPMENT WITHIN THE POND, ADJACENT WETLANDS, OR ANY ON SITE DRAINAGE WAYS.
  - 7) CHECK DAMS SHALL BE CONSTRUCTED AS SHOWN IN THE PLAN SET, OR AS DIRECTED BY THE CONSTRUCTION ENGINEER.
  - 8) THE CONTRACTOR SHALL INSTALL SILT FENCE OR SILT SOCK AS SHOWN IN THE PLANS, OR AT THE DIRECTION OF THE CONSTRUCTION ENGINEER.
  - 9) ALL EROSION CONTROL MATTING SHALL BE OVERLAPPED IN A MANNER THAT CORRESPONDS WITH THE FLOW DIRECTION.
  - 10) ADDITIONAL INLET PROTECTION MAY BE REQUIRED OUTSIDE THE LIMITS OF THIS SHEET.

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CLEARING PLAN

CITY OF MADISON

WETLAND SCAPE  
THE CONTRACTOR SHALL NOT REMOVE  
TREES WITHIN THE WETLAND SCAPE AREA.  
GRADE AROUND TREES.

UNTAGGED  
TREE (TYP.)

TREE REMOVAL (TYP.)

EXISTING CHANNEL

GRADING LIMITS  
(EXCLUDING WETLAND SCAPE)

EXISTING PATH

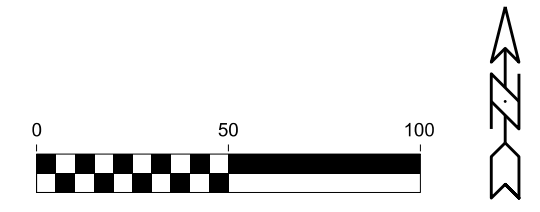
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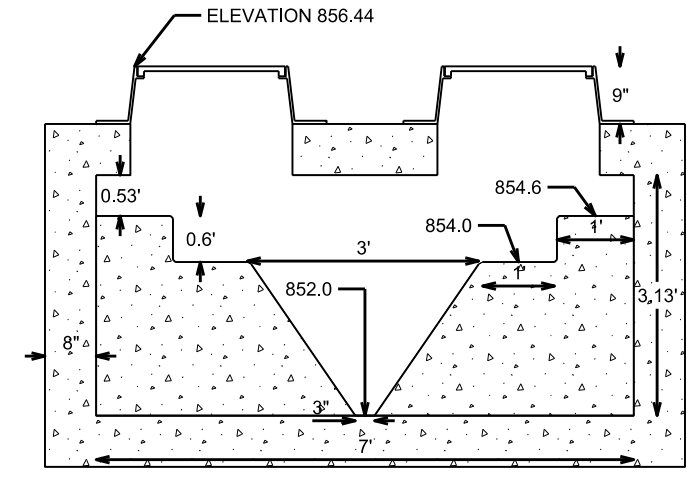
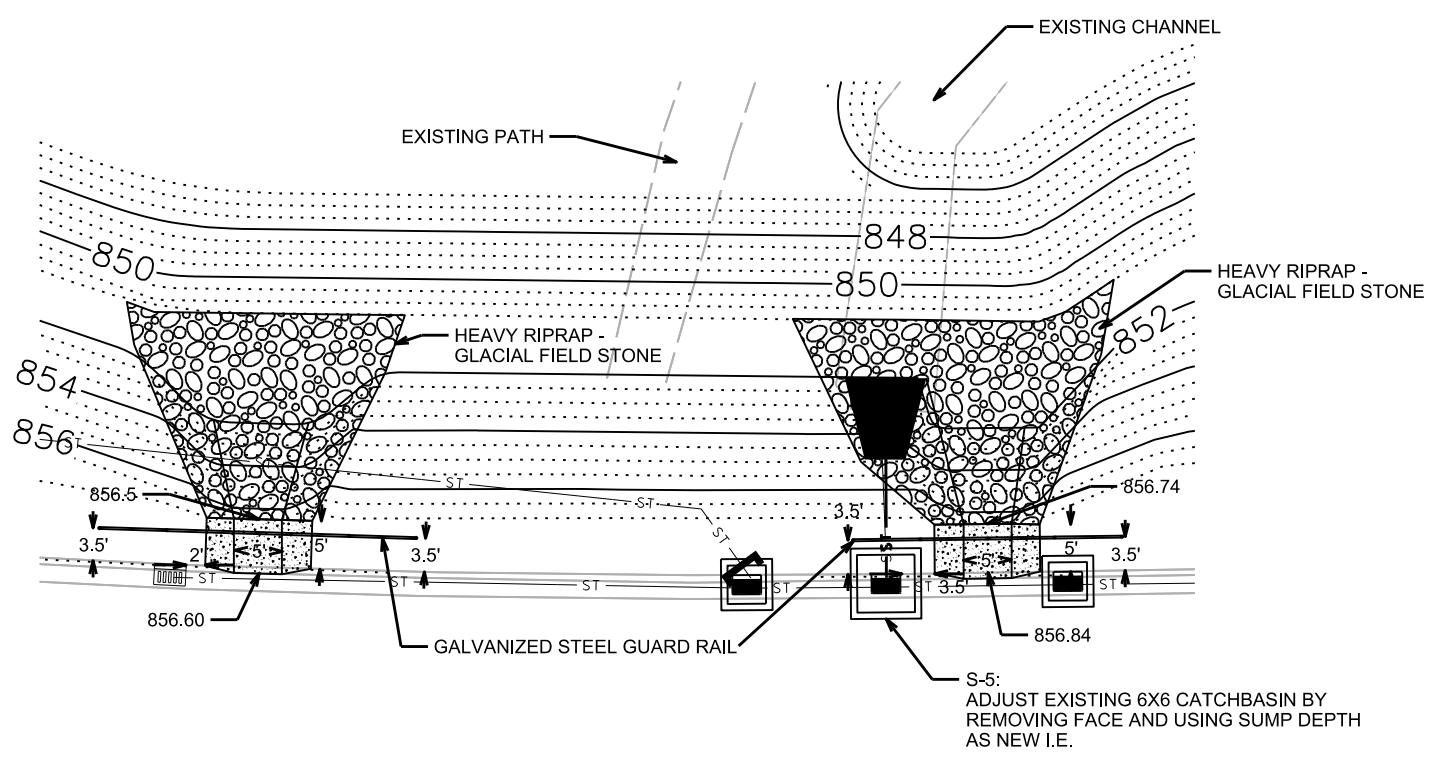
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

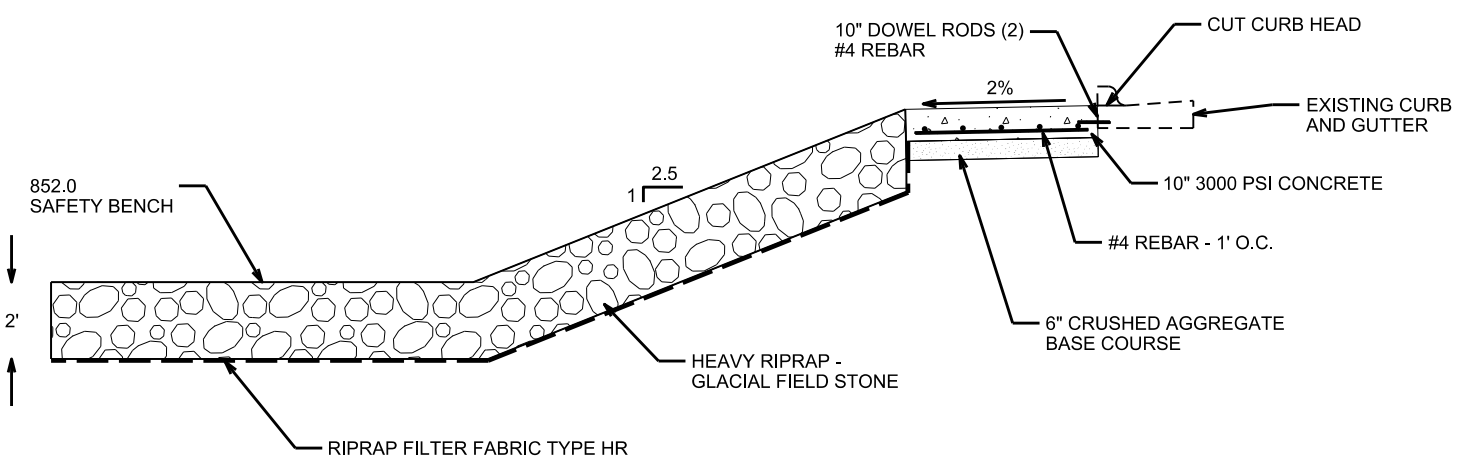
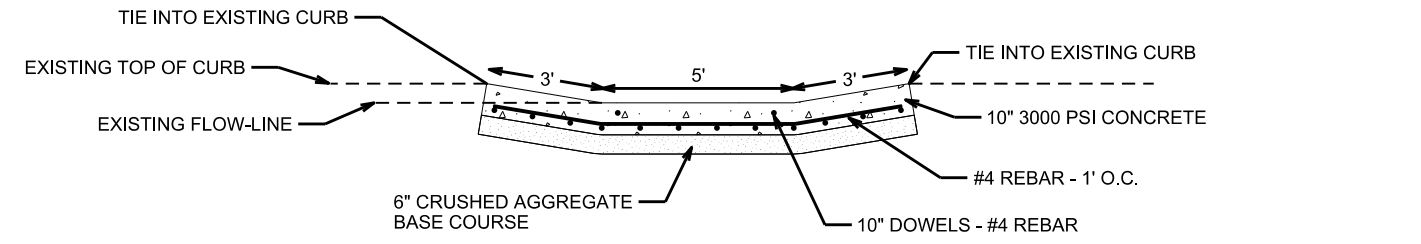
NOTES:

- 1) TREES ARE IDENTIFIED WITH BLUE METAL TAGS CONTAINING AN IDENTIFICATION NUMBER. A LIST OF ALL TREES TO BE REMOVED IS INCLUDED IN THE SPECIAL PROVISIONS.
- 2) TREE REMOVAL SHALL BE MEASURED BY PLAN QUANTITY BASED ON TREE SURVEY DATA, INCLUDED IN THE SPECIAL PROVISIONS. UNTAGGED TREES TO BE REMOVED (AS SHOWN ON PLANS) ARE ESTIMATED TO HAVE 15 INCH DBH.
- 3) NO TREES SHALL BE REMOVED FROM WITHIN THE WETLAND SCAPE AREA. THE CONTRACTOR SHALL GRADE AROUND TREES.

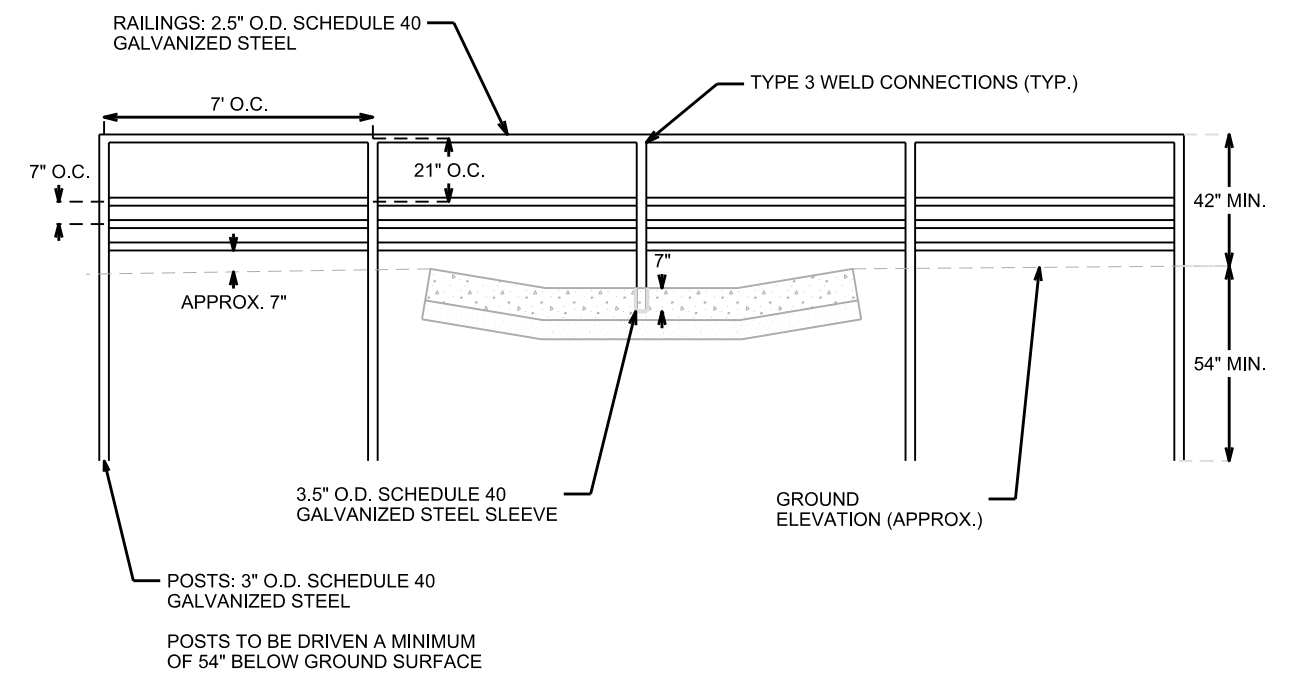




POND OUTLET STRUCTURE (S-7) WEIR



FLUME DETAILS



GALVANIZED STEEL GUARD RAIL

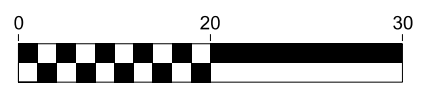
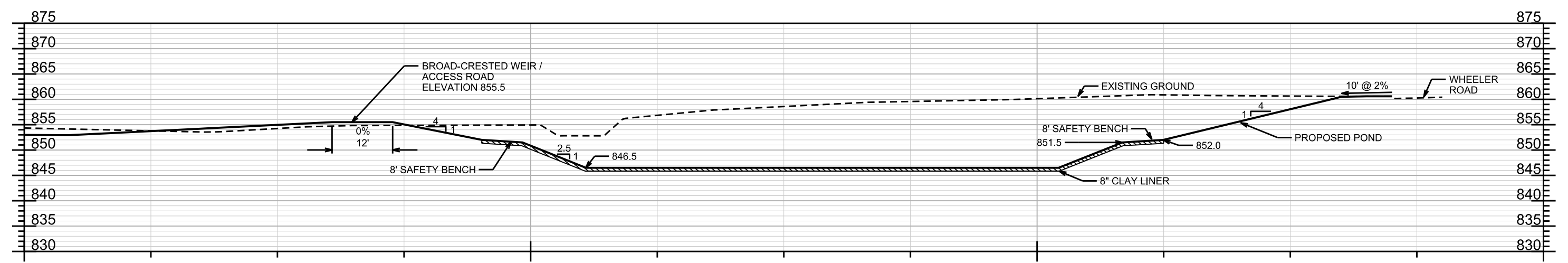
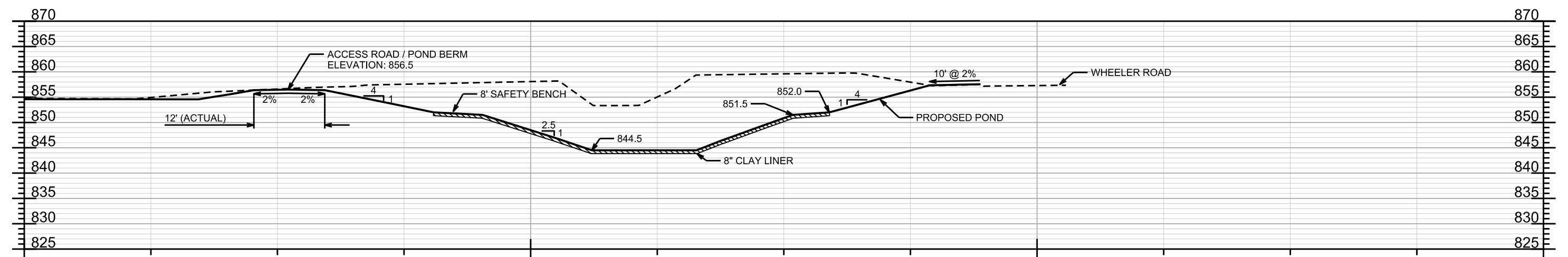
- NOTES:
- 1) ALL REBAR AND DOWEL BARS TO BE EPOXY COATED
  - 2) A MINIMUM OF 3" OF CLEAR SPACE SHALL BE LEFT BETWEEN REBAR AND FLUME EDGES.
  - 3) CONCRETE MIX AND PLACEMENT SHALL COMPLY WITH ARTICLE 301 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WHEELER @ BONNER - CHEROKEE POND  
PROJECT NO. 10848  
GRADING PLAN  
WETLAND SCRAPE  
CITY OF MADISON

WHEELER @ BONNER - CHEROKEE POND  
PROJECT NO. 10848  
SHEET NO.  
P-1

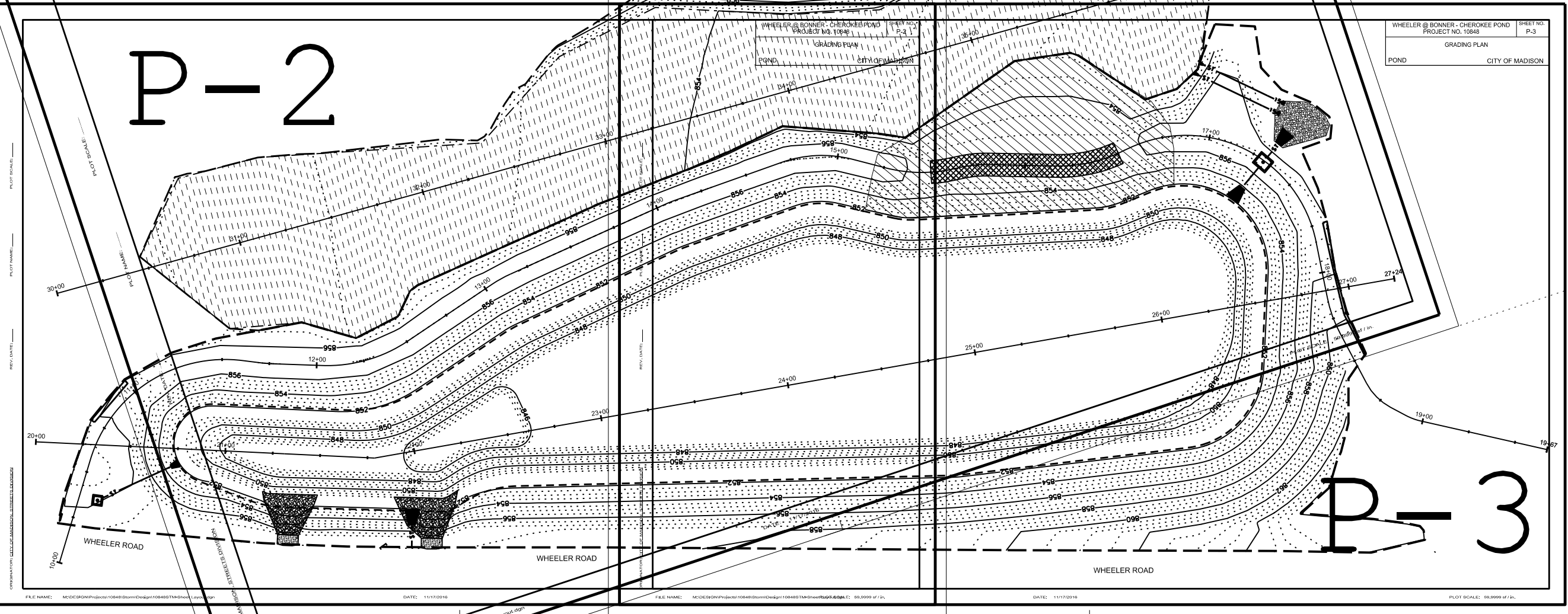
SHEET LAYOUT  
CITY OF MADISON

# P-4

# P-2

# P-3

WHEELER @ BONNER - CHEROKEE POND  
PROJECT NO. 10848  
GRADING PLAN  
POND  
CITY OF MADISON



FILE NAME: M:\DESIGN\Projects\10848\Storm\Desgn\10848STM-Sheet Layout.dgn DATE: 11/17/2016 PLOT SCALE: 59.9999 sf / In.

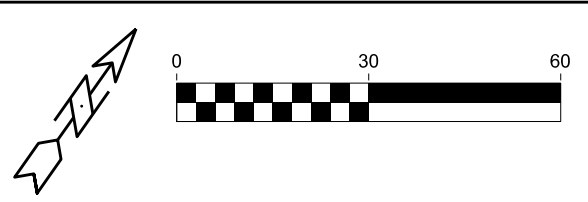
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REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREET'S DIVISION

GRADING PLAN

POND CITY OF MADISON

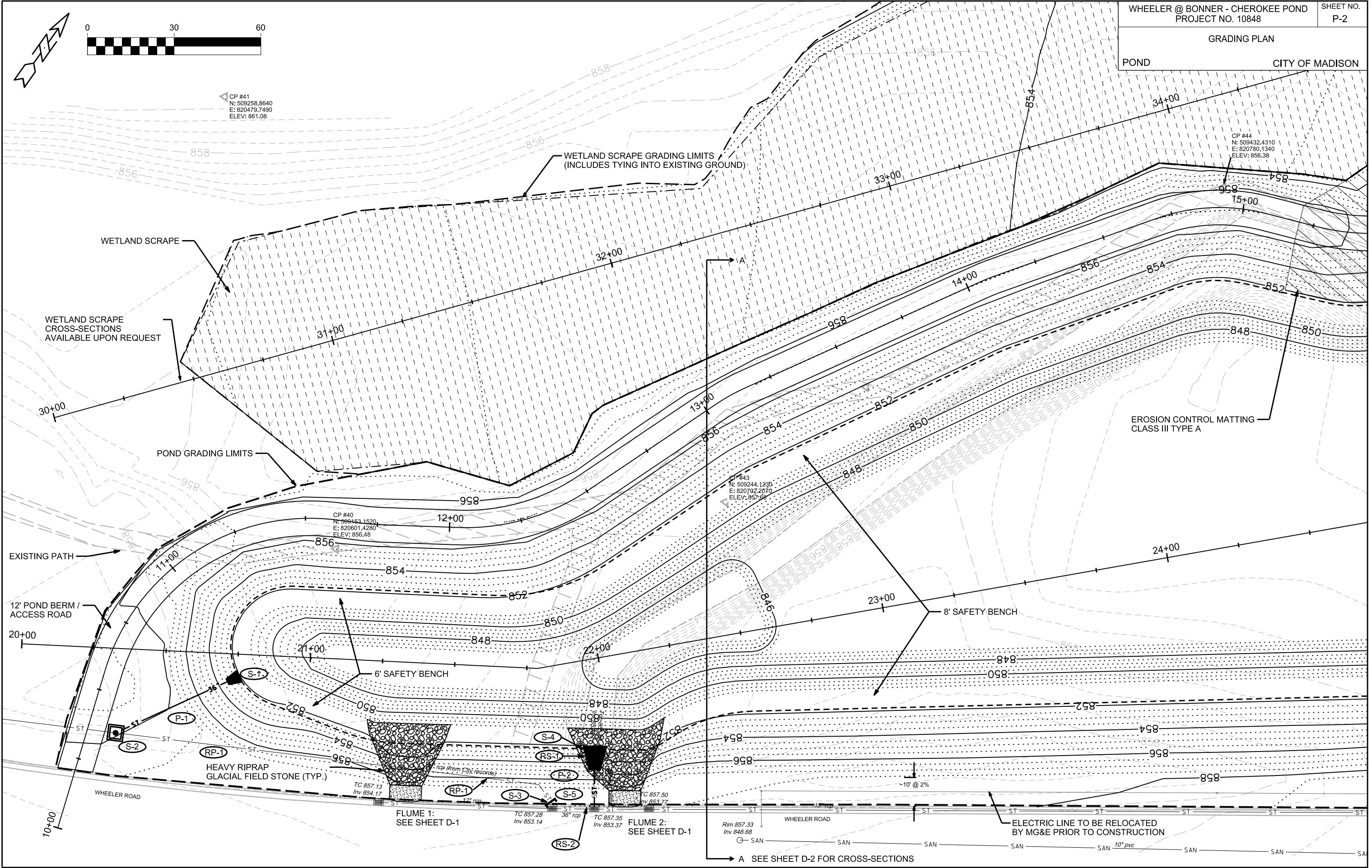


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E: 820479.7490  
ELEV: 861.08

CP #44  
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ELEV: 856.38

CP #43  
N: 509244.1230  
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CP #40  
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E: 820601.4280  
ELEV: 856.48



PLOT SCALE: \_\_\_\_\_

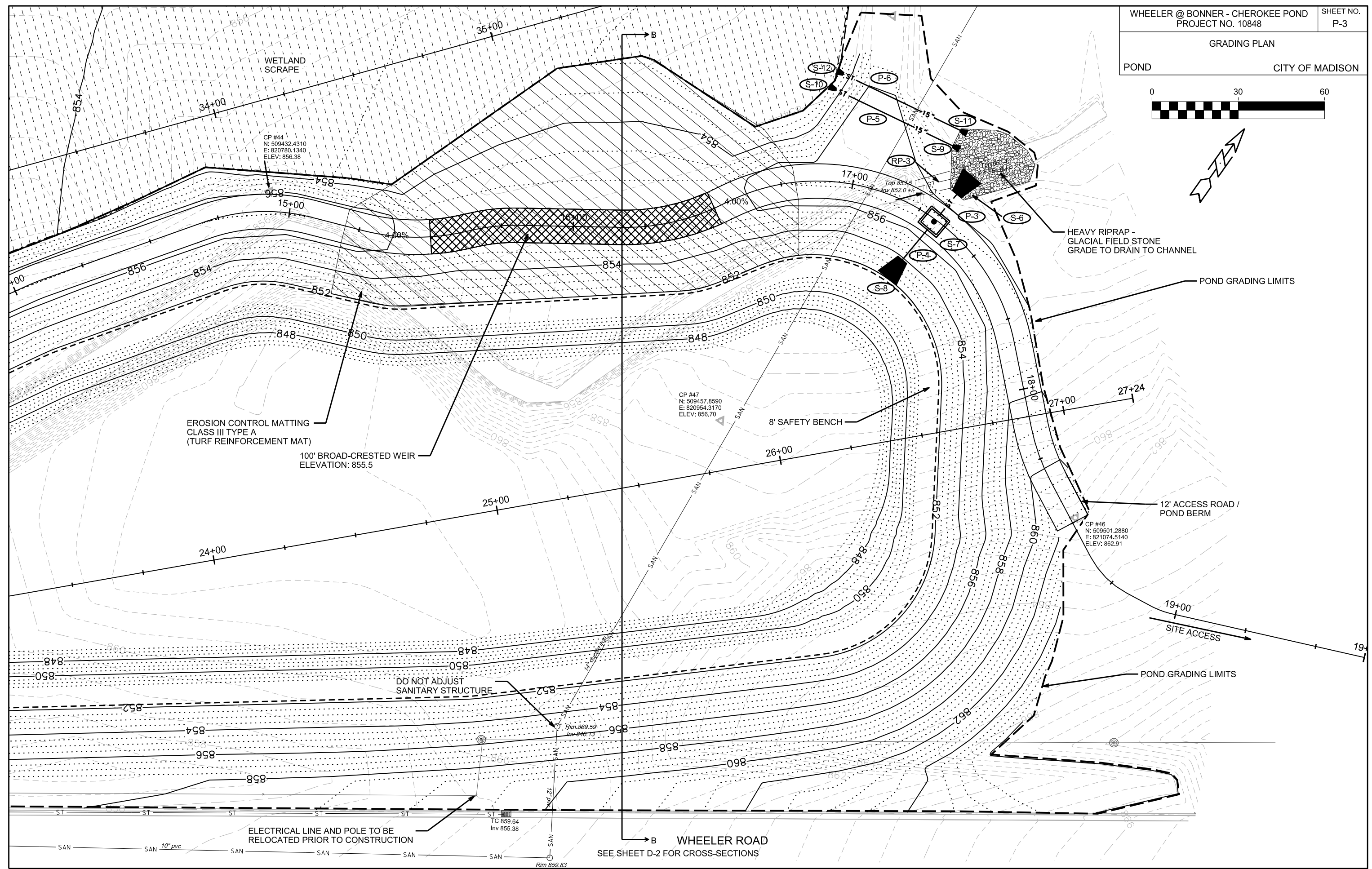
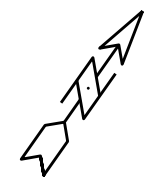
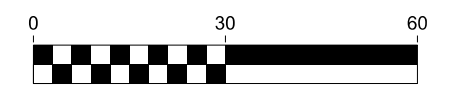
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREET'S DIVISION

GRADING PLAN

POND CITY OF MADISON



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREET'S DIVISION



NOTES:

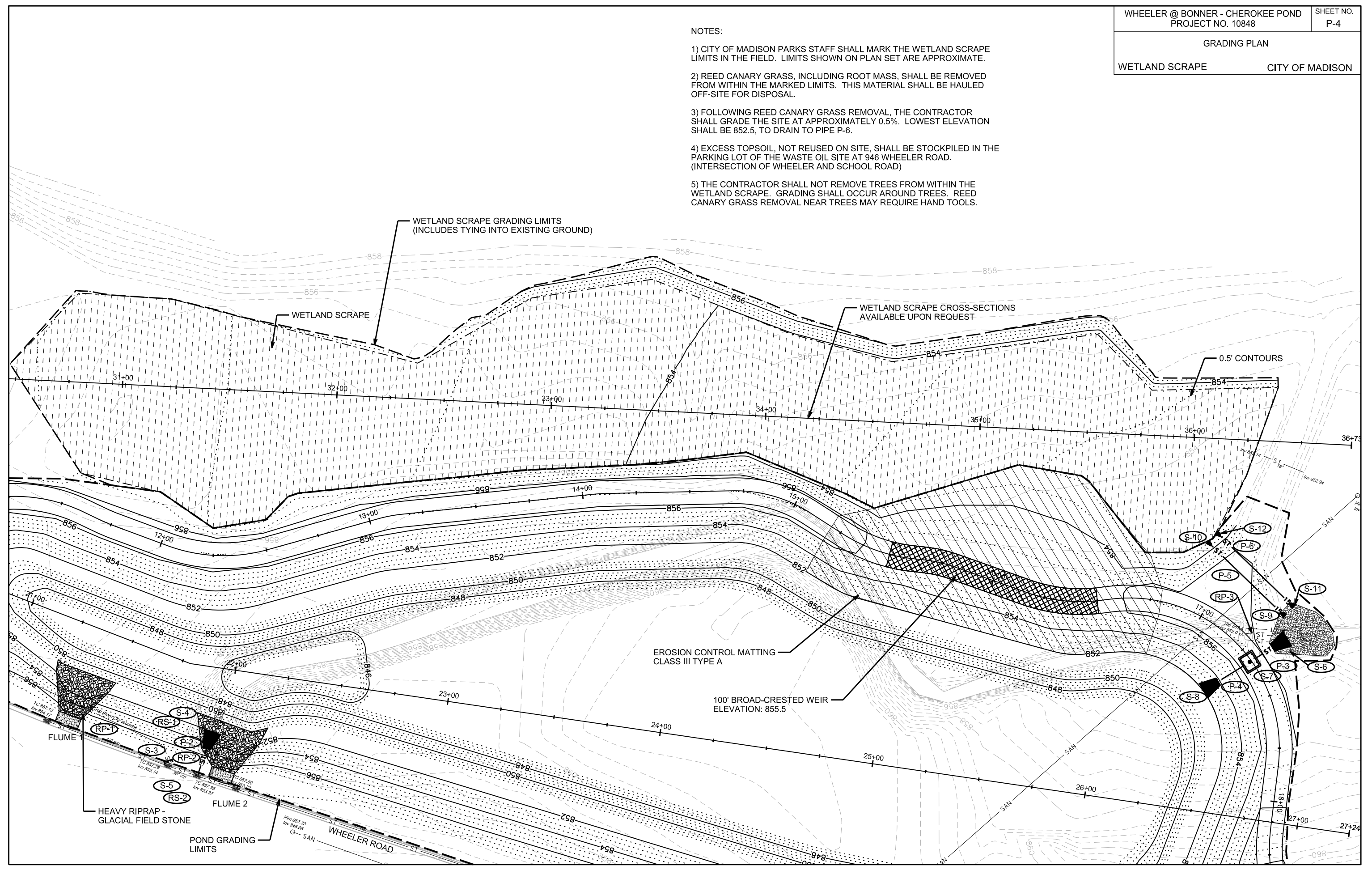
- 1) CITY OF MADISON PARKS STAFF SHALL MARK THE WETLAND SCRAPE LIMITS IN THE FIELD. LIMITS SHOWN ON PLAN SET ARE APPROXIMATE.
- 2) REED CANARY GRASS, INCLUDING ROOT MASS, SHALL BE REMOVED FROM WITHIN THE MARKED LIMITS. THIS MATERIAL SHALL BE HAULED OFF-SITE FOR DISPOSAL.
- 3) FOLLOWING REED CANARY GRASS REMOVAL, THE CONTRACTOR SHALL GRADE THE SITE AT APPROXIMATELY 0.5%. LOWEST ELEVATION SHALL BE 852.5, TO DRAIN TO PIPE P-6.
- 4) EXCESS TOPSOIL, NOT REUSED ON SITE, SHALL BE STOCKPILED IN THE PARKING LOT OF THE WASTE OIL SITE AT 946 WHEELER ROAD. (INTERSECTION OF WHEELER AND SCHOOL ROAD)
- 5) THE CONTRACTOR SHALL NOT REMOVE TREES FROM WITHIN THE WETLAND SCRAPE. GRADING SHALL OCCUR AROUND TREES. REED CANARY GRASS REMOVAL NEAR TREES MAY REQUIRE HAND TOOLS.

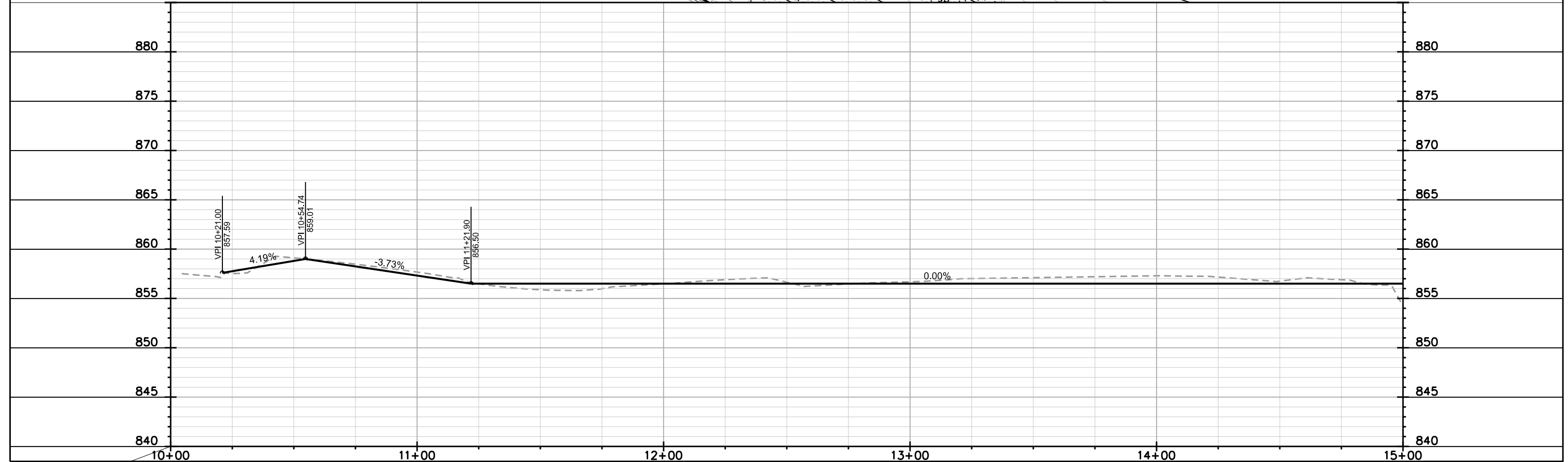
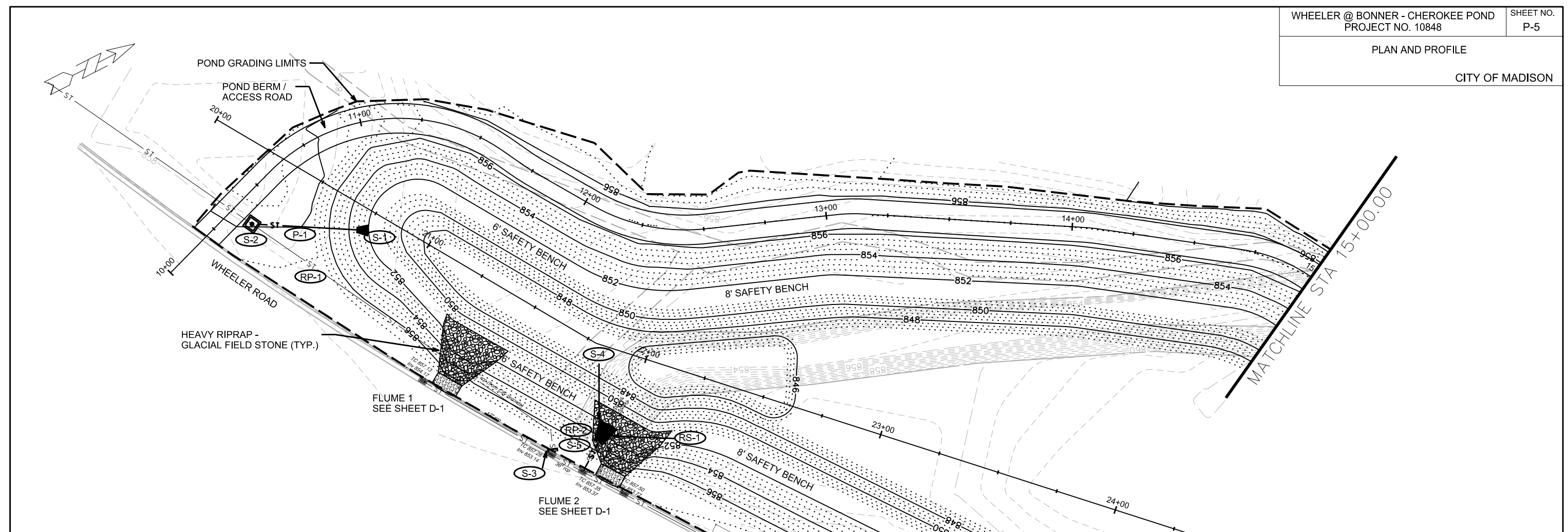
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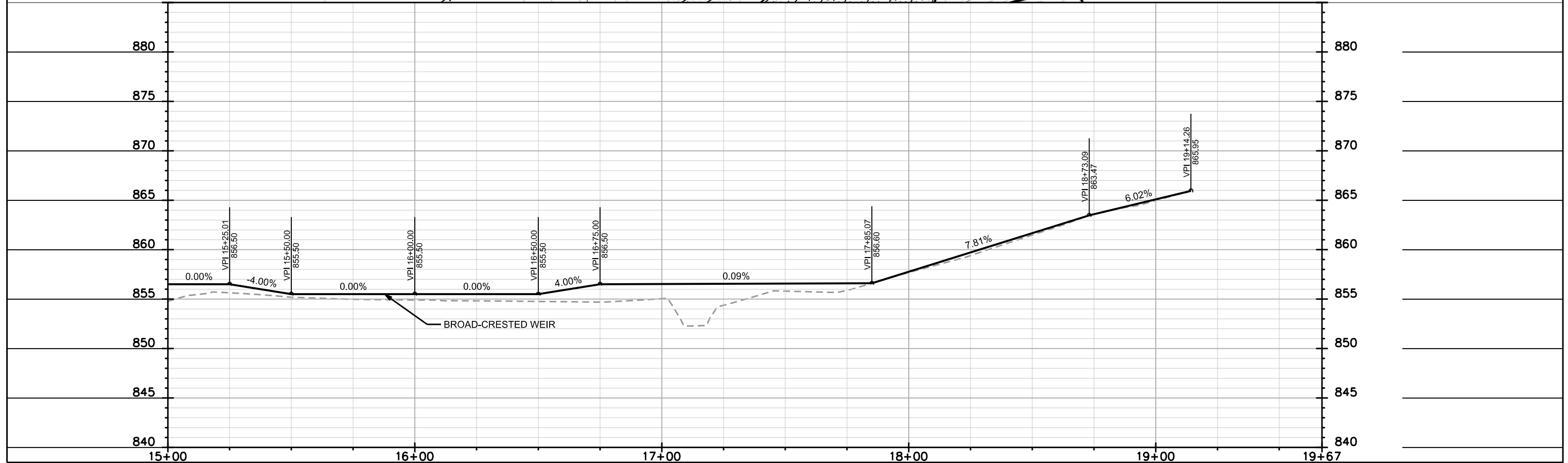
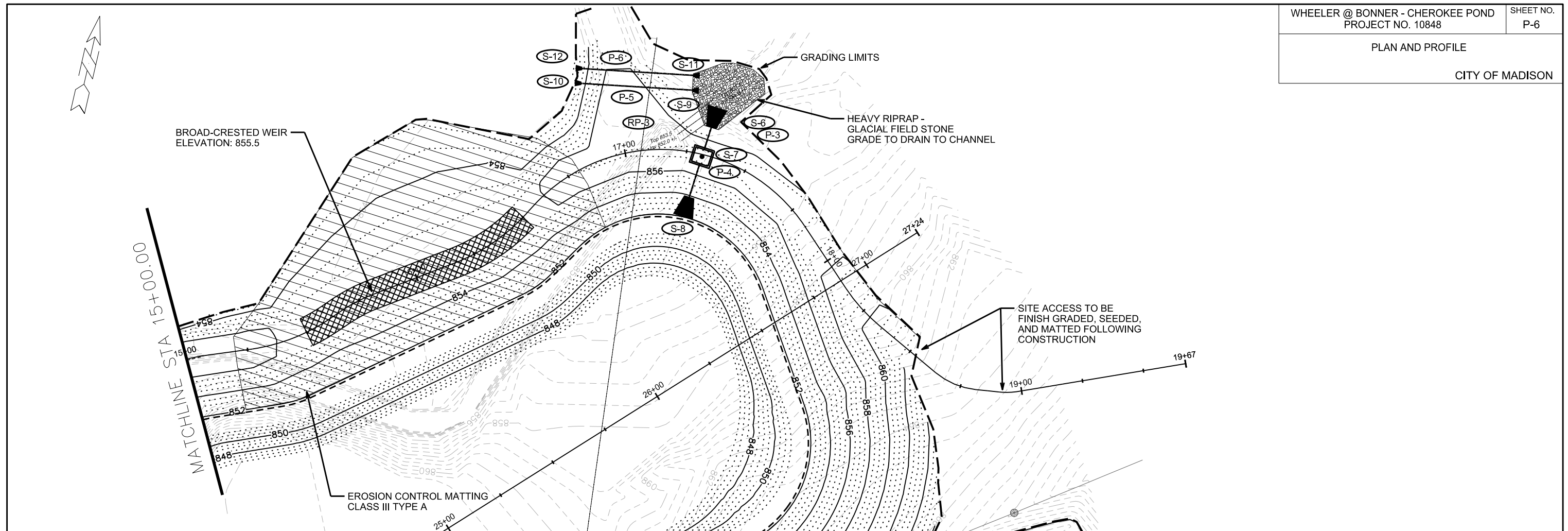


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PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

# STORM SEWER SCHEDULE

## ALIGNMENTS

AR' = ACCESS ROAD  
 WP' = WHEELER ROAD POND  
 WS' = WETLAND SCRAPE

WHEELER @ BONNER - CHEROKEE POND	SHEET NO.
PROJECT NO. 10848	P-7
STORM SEWER SCHEDULE	
CITY OF MADISON	

## STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-1	10'AR'+85.39	RT-43.00	36" APRON ENDWALL	--	850.50	--	(1)
S-2	10'AR'+37.25	RT-9.71	5X5 SAS	858.10	850.92	7.18	W/ R-1689-0054, FP, (2)
S-3	12'AR'+18.66	RT-97.68	PIPE PLUG	--	853.15	--	36" PIPE PLUG
S-4	12'AR'+27.38	RT-82.12	54" APRON ENDWALL	--	849.75	--	(1)
S-5	12'AR'+25.22	RT-97.71	EX 6X6 CATCHBASIN	857.52	850.37	7.15	ADJUST CATCHBASIN, (3)
S-6	17'AR'+34.30	LT-20.06	43"X68" APRON ENDWALL	--	851.90	--	(1)
S-7	17'AR'+31.94	LT-4.86	6'X7' SAS	856.44	852.00	4.44	W/ R-1550-0054, FP, (4)
S-8	17'AR'+28.97	RT-26.34	43"X68" APRON ENDWALL	--	852.00	--	(1)
S-9	17'AR'+25.95	LT-25.06	15" APRON ENDWALL	--	852.30	--	(1)
S-10	16'AR'+90.40	LT-33.00	15" APRON ENDWALL	--	852.50	--	(1)
S-11	17'AR'+25.53	LT-31.03	15" APRON ENDWALL	--	852.50	--	(1)
S-12	16'AR'+91.93	RT-38.53	15" APRON ENDWALL	--	853.10	--	(1)

## 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	850.50	850.92	47.40	45	1.00%	36"	RCP	
P-2	S-4	S-5	849.75	850.37	20.60	20.6	3.01%	54"	RCP	
P-3	S-6	S-7	851.90	852.00	20.80	17.8	0.56%	68"X43"	HERCP	
P-4	S-7	S-8	852.00	852.00	25.60	22.6	0.00%	68"X43"	HERCP	
P-5	S-9	S-10	852.30	852.50	50.30	50.3	0.40%	15"	RCP	
P-6	S-11	S-12	852.50	853.10	50.30	50.3	1.19%	15"	RCP	

## STORM SEWER STRUCTURE REMOVALS

STRUCTURE REMOVAL ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
RS-1	AE 5020-039	12'AR'+27.38 RT-82.12	APRON ENDWALL	68"X43" HERCP

## STORM PIPE REMOVALS

PIPE NO.	REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	PIPE SIZE	TYPE	NOTES
RP-1	S-2	S-3	155	Y	36"	RCP	
RP-2	S-4	S-5	16	N	54"	RCP	
RP-3	NA	NA	20	Y	18"	TWO ADJACENT PIPES UNDER TRAIL - PAY ONE REMOVAL	

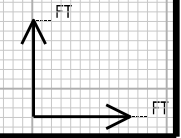
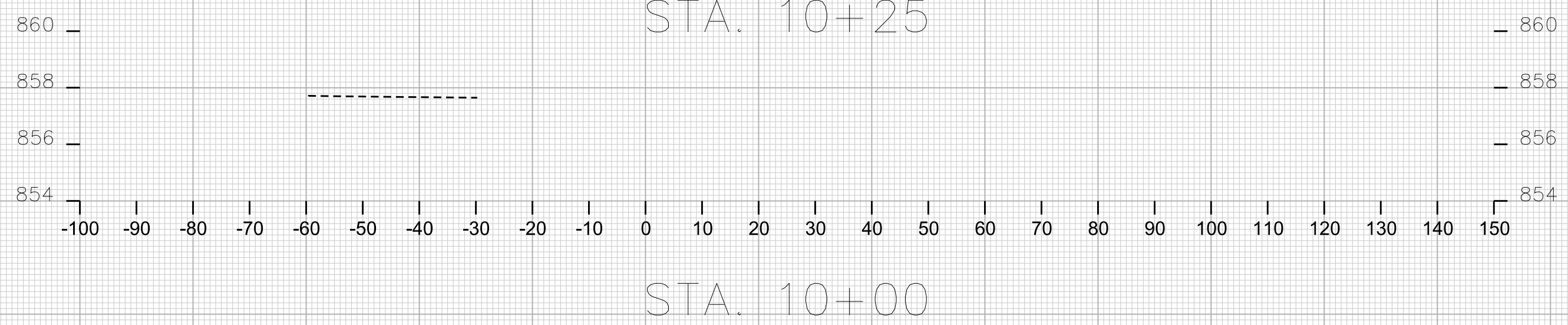
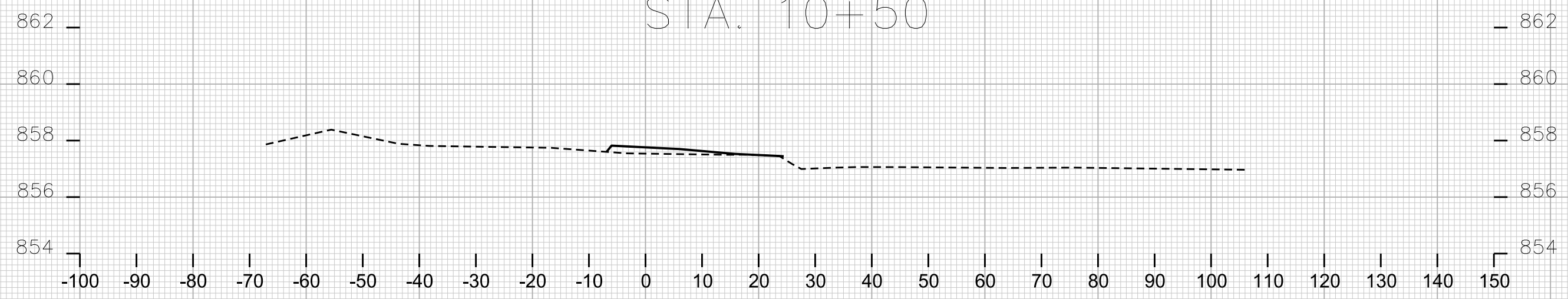
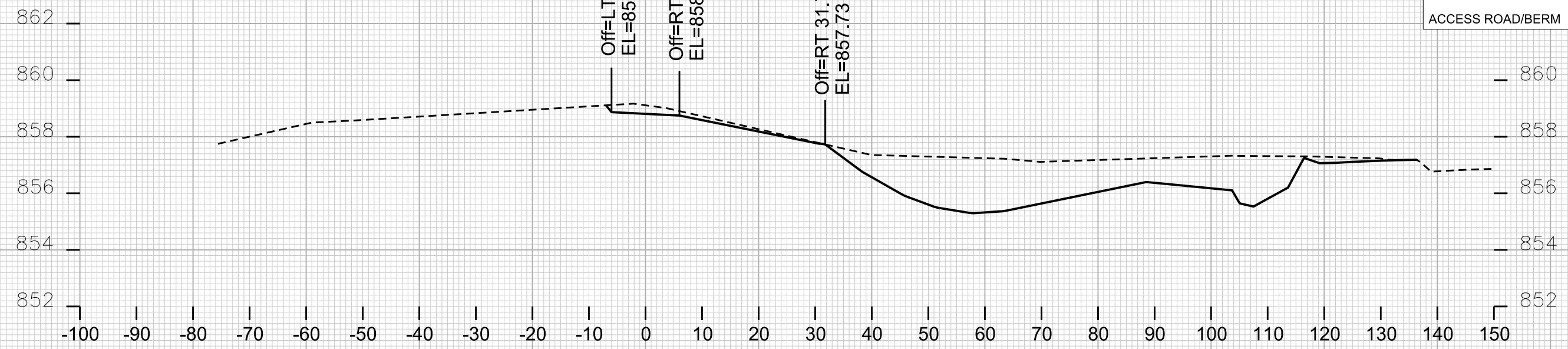
## SPECIFIC NOTES

- (1) STATION AND OFFSET ARE TO DOWNSTREAM EDGE, CL OF APRON ENDWALL
- (2) PIPE WALLS OF P-1 TO BE POURED INTO STRUCTURE WALLS
- (3) MODIFY EXISTING 6X6 CATCHBASIN, REMOVE FACE, USE I.E. OF CATCHBASIN AS NEW I.E. OF STRUCTURE, BID ITEM 20502
- (4) STRUCTURE HAS INTERIOR WEIR. SEE SHEET D-1 FOR DETAILS

## 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

CROSS SECTIONS	
ACCESS ROAD/BERM	CITY OF MADISON



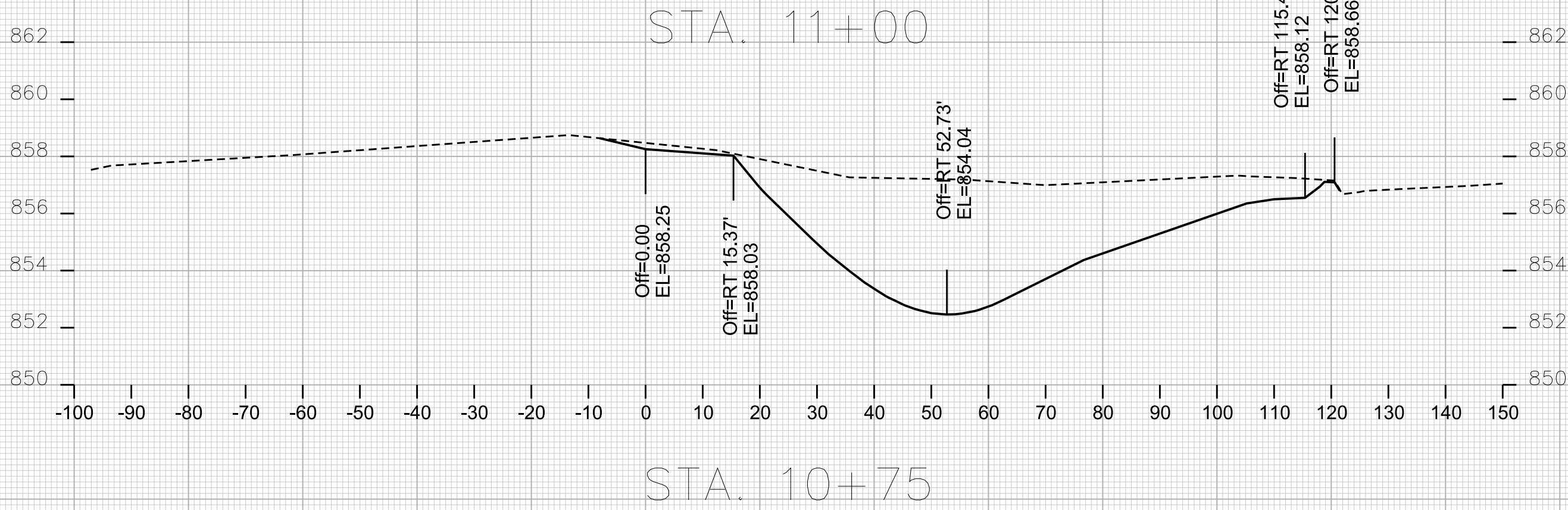
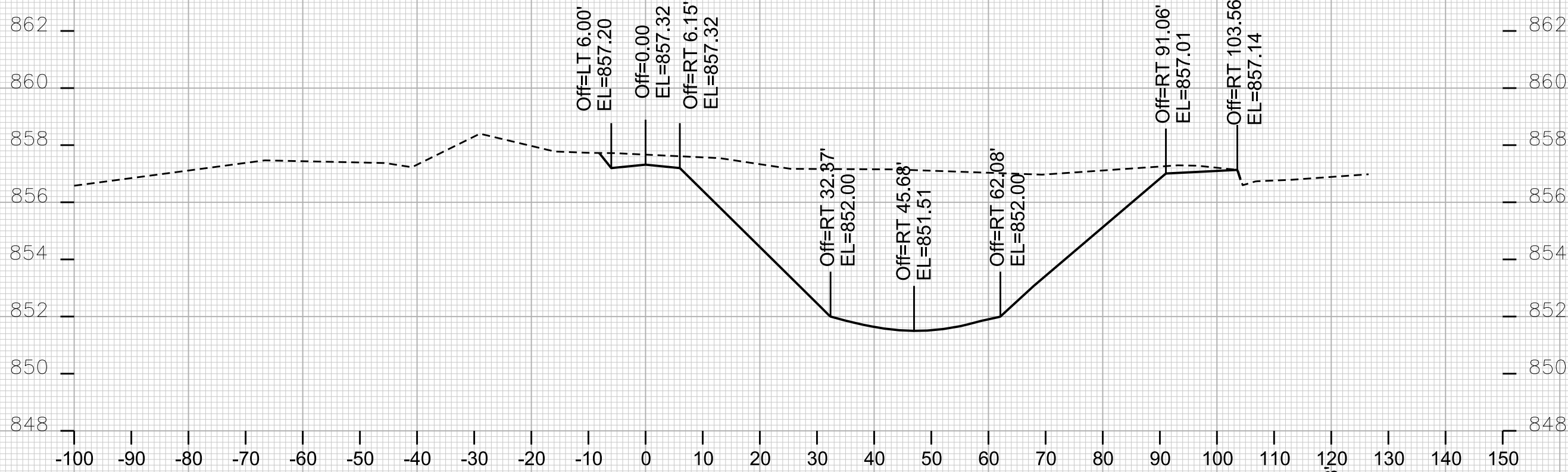
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PLOT NAME: \_\_\_\_\_

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS	
ACCESS ROAD/BERM	CITY OF MADISON

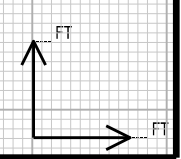


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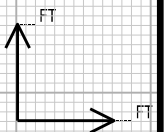
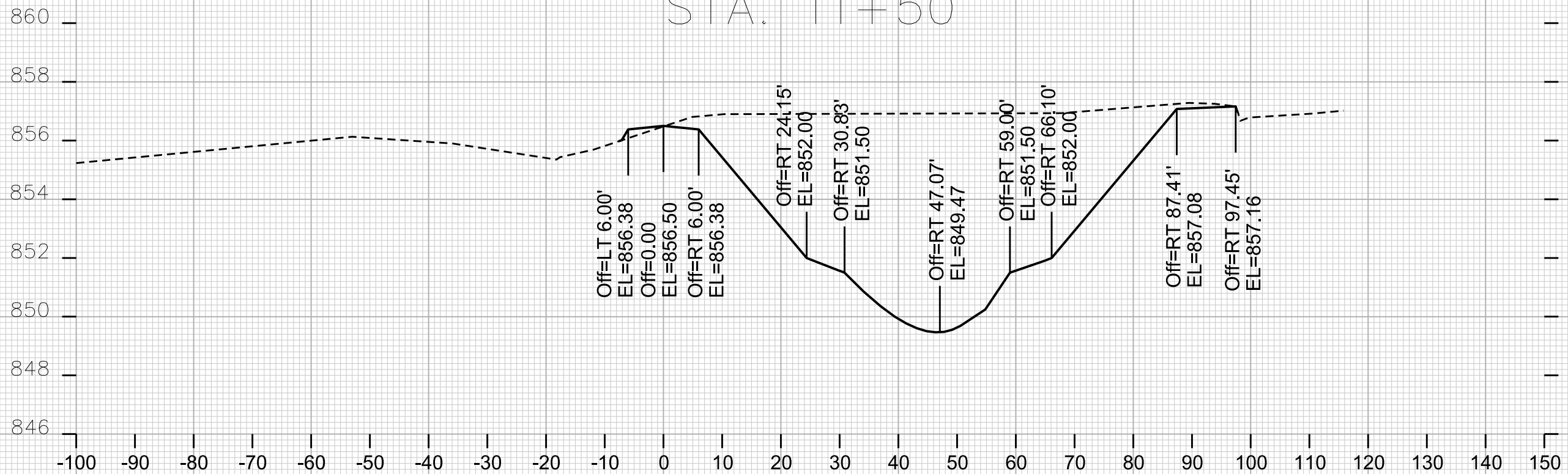
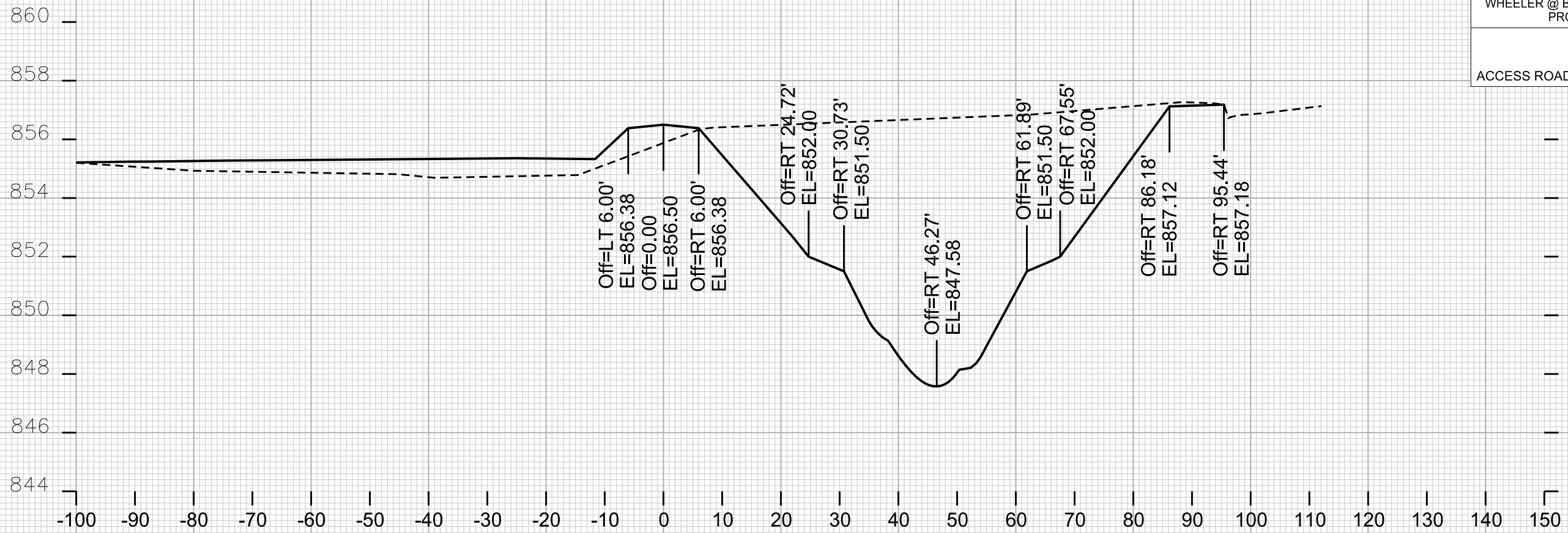
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS	
ACCESS ROAD/BERM	CITY OF MADISON



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

ACCESS ROAD/BONNER

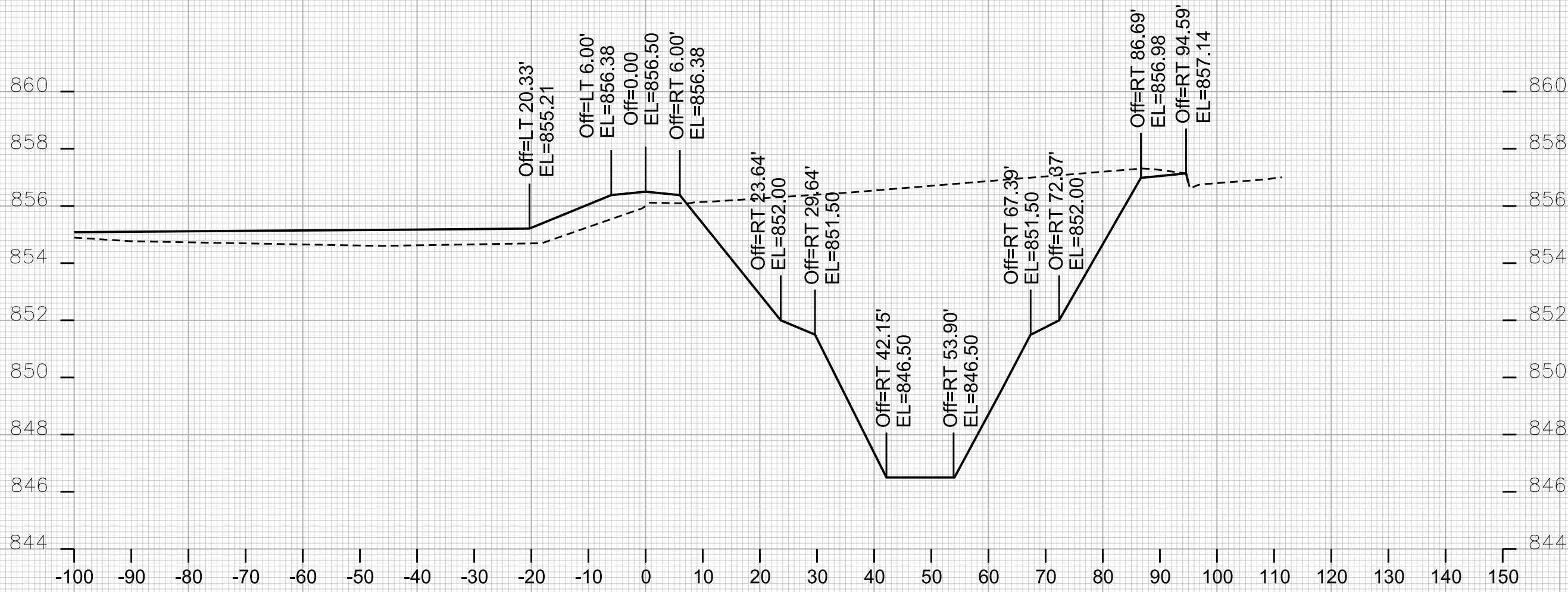
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

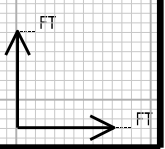
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REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 11+75





CROSS SECTIONS

ACCESS ROAD/BERM

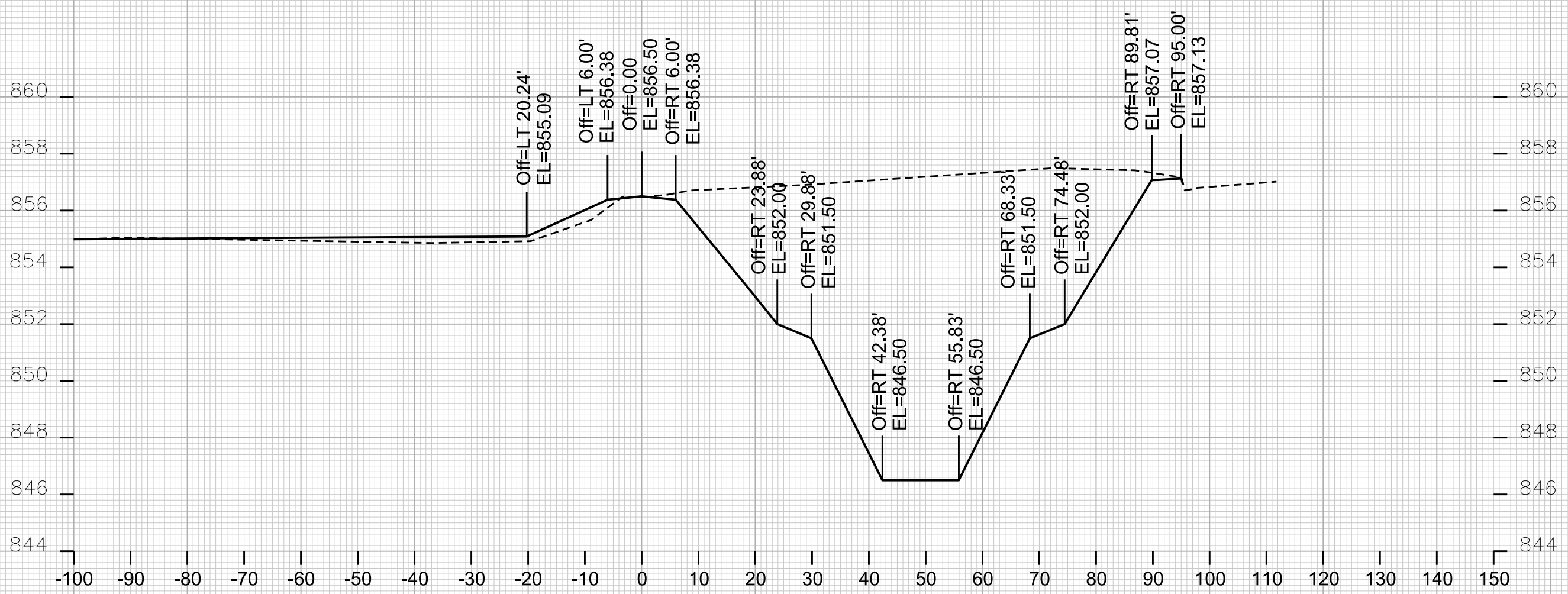
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

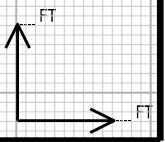
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 12+00



CROSS SECTIONS

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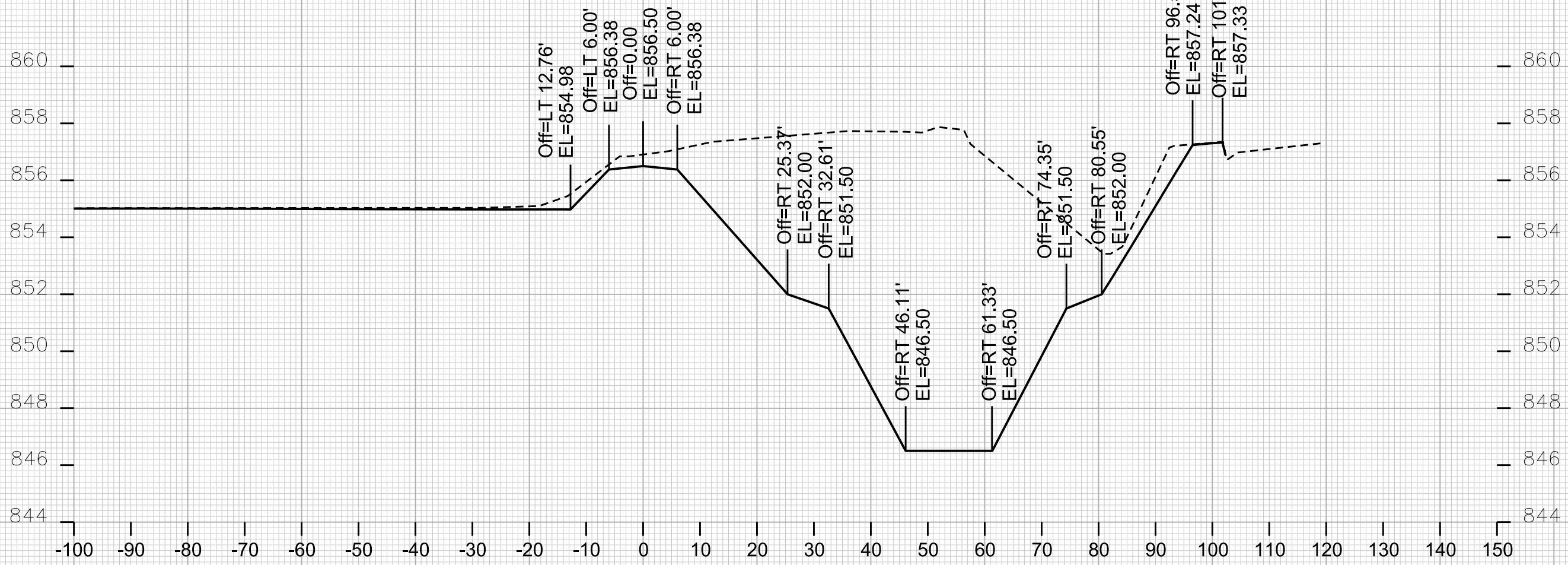
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

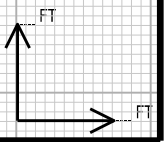
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REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 12+25



CROSS SECTIONS

ACCESS ROAD/BERM

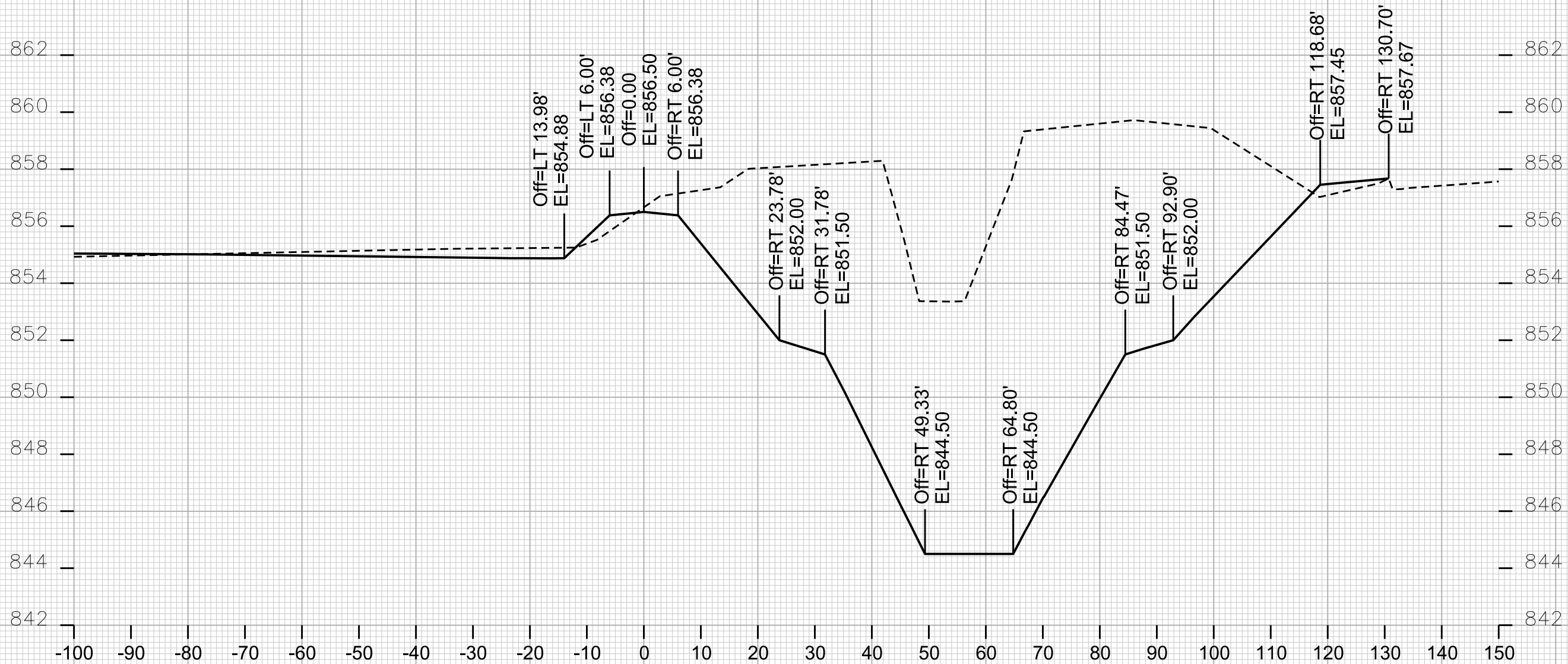
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

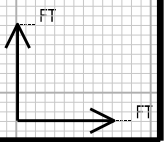
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 12+50



CROSS SECTIONS

ACCESS ROAD/BERM

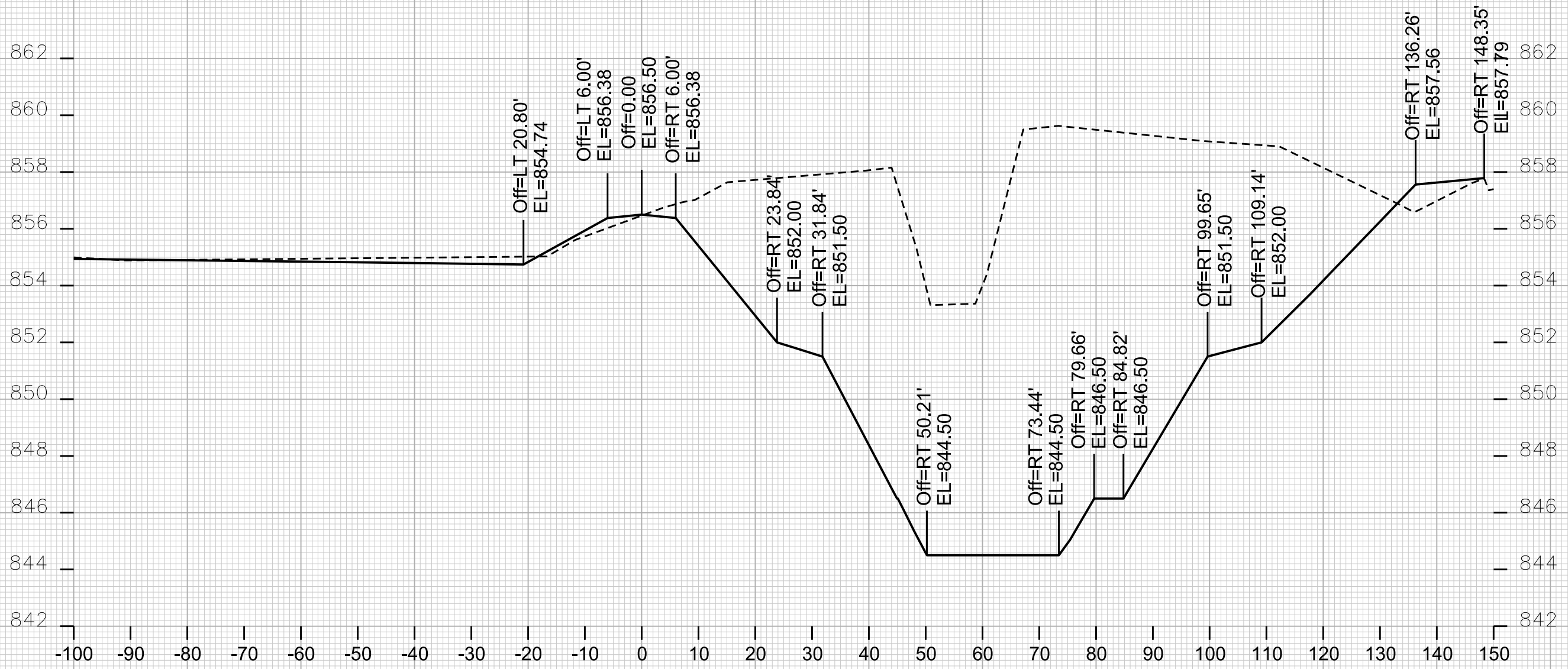
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 12+75



CROSS SECTIONS

ACCESS ROAD/BERM

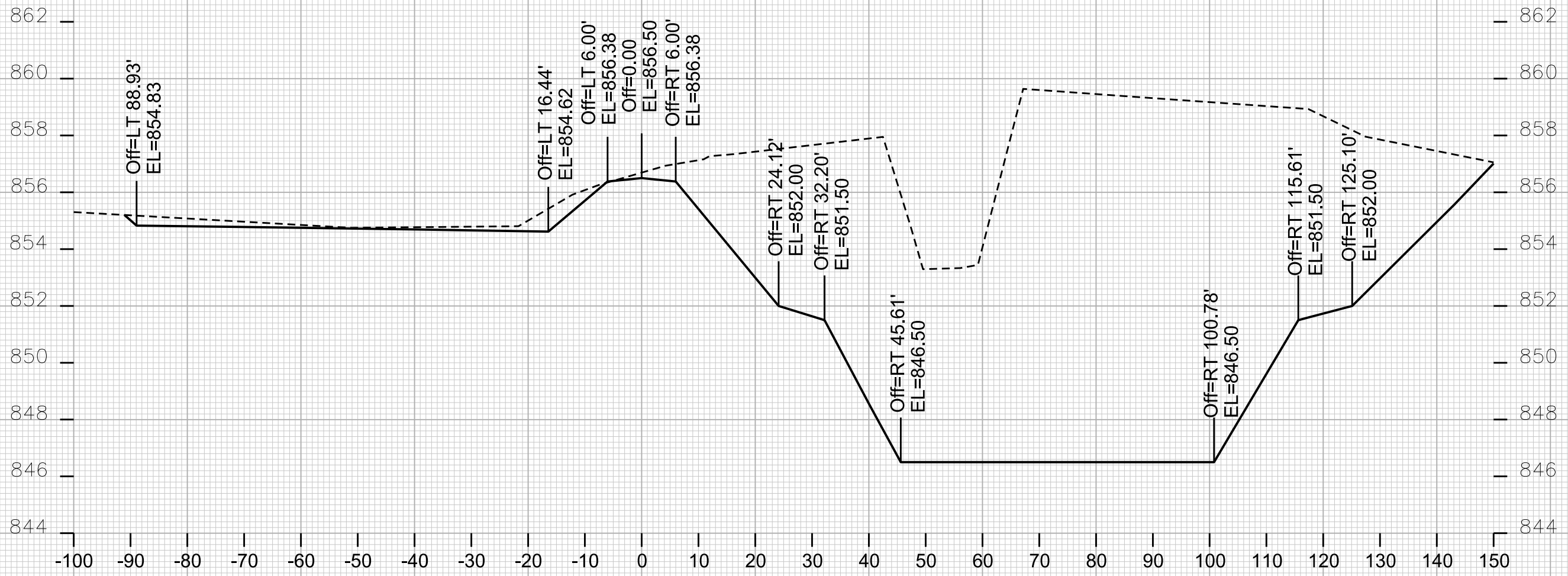
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

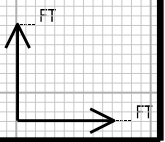
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 13+00



CROSS SECTIONS

ACCESS ROAD/BERM

CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

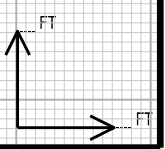
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 13+25



CROSS SECTIONS

ACCESS ROAD/BERM

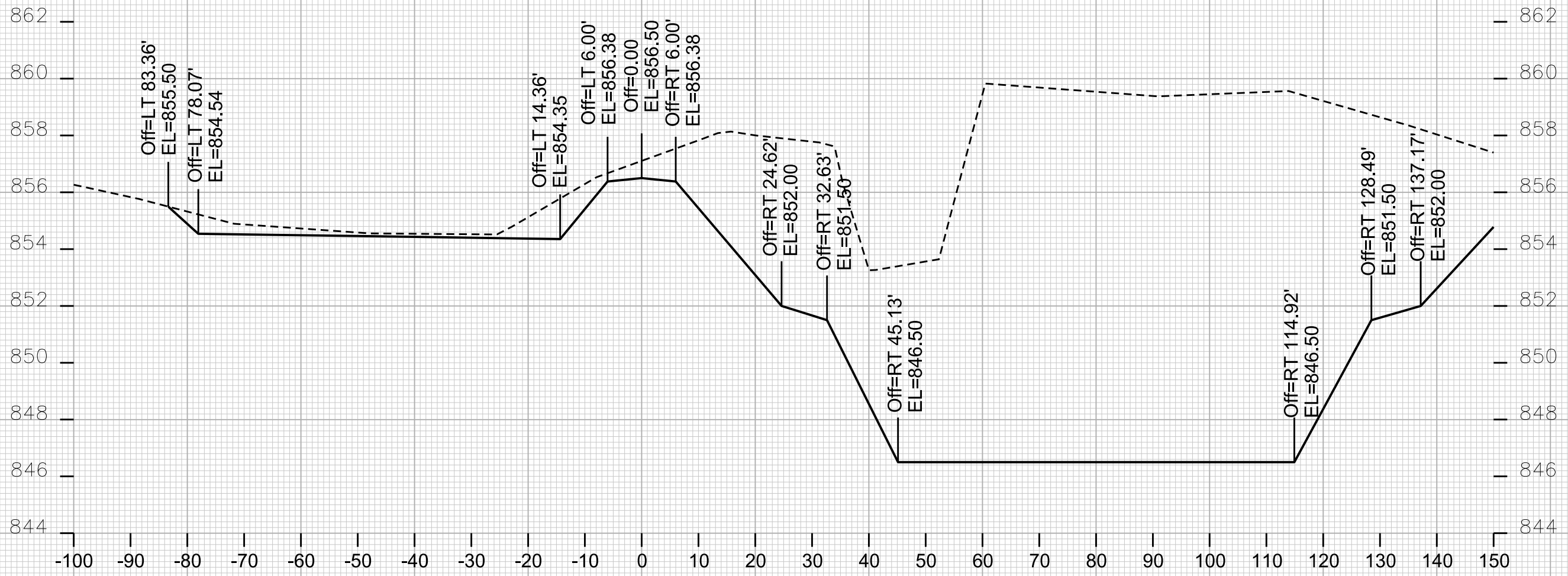
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

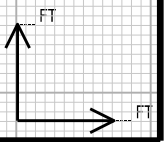
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 13+50



CROSS SECTIONS

ACCESS ROAD/BERM

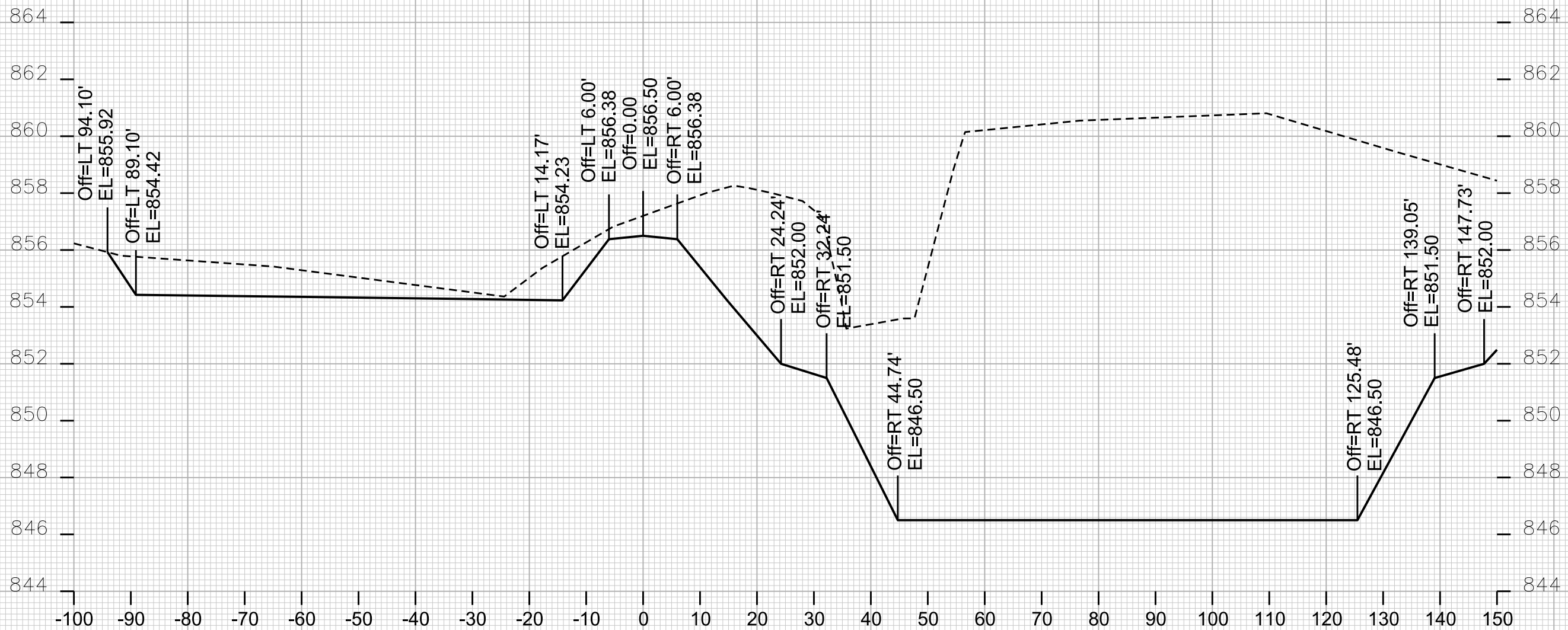
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

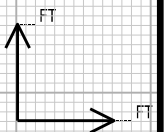
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 13+75





CROSS SECTIONS

ACCESS ROAD/BERM

CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

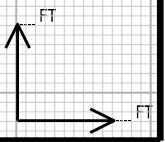
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 14+00



CROSS SECTIONS

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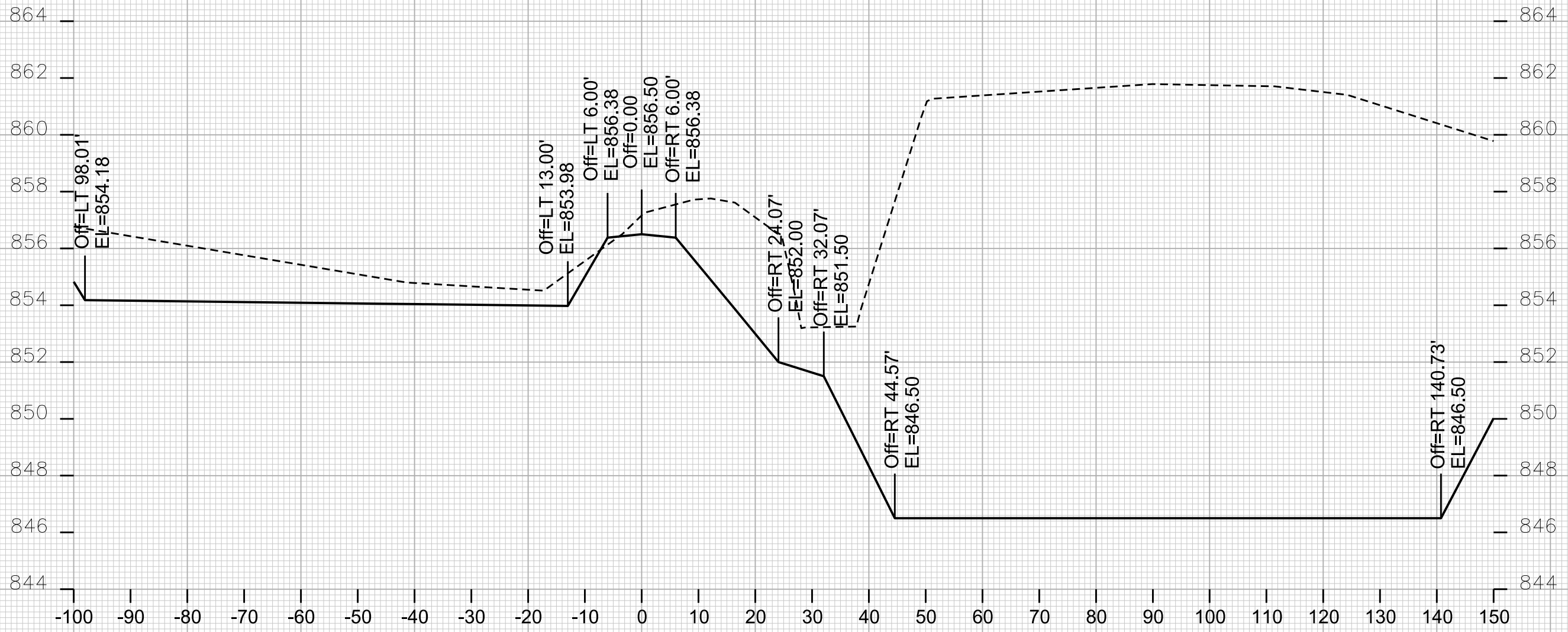
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

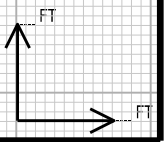
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REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 14+25



CROSS SECTIONS

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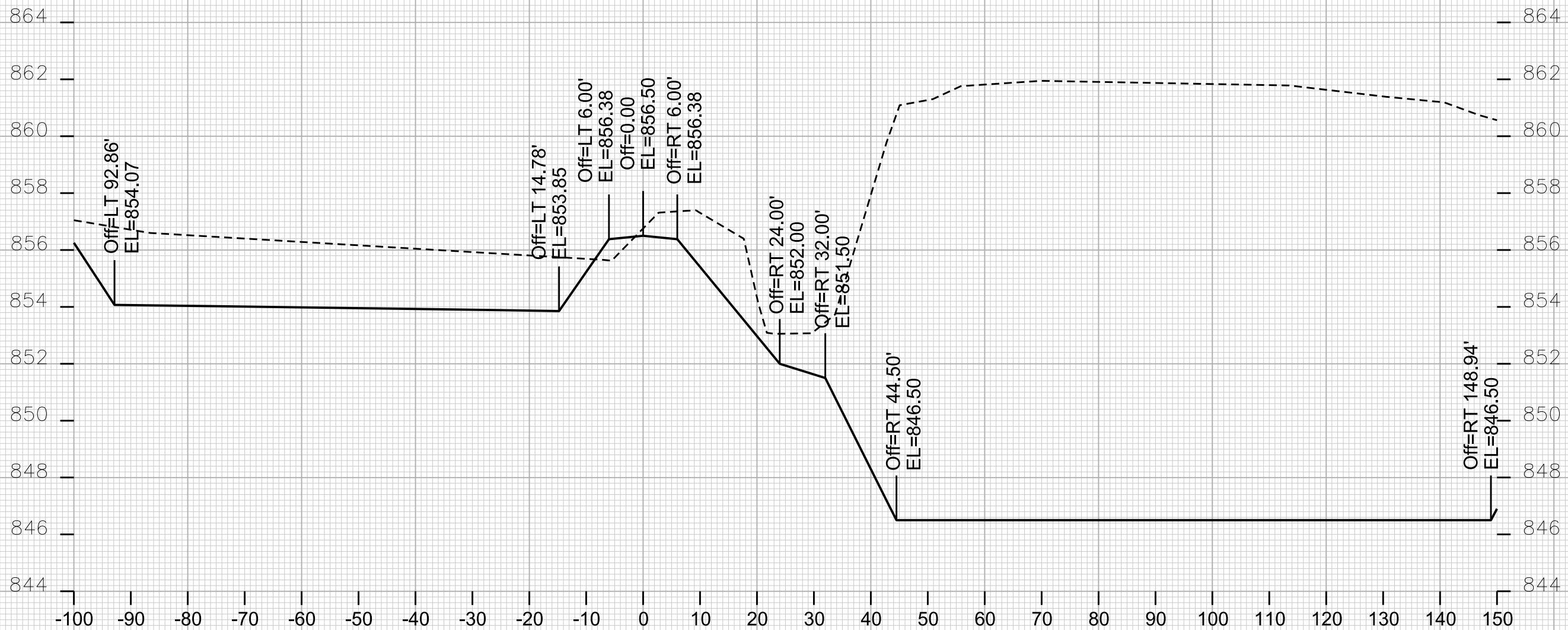
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

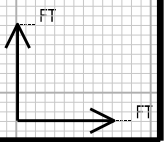
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 14+50



CROSS SECTIONS

ACCESS ROAD/BERM

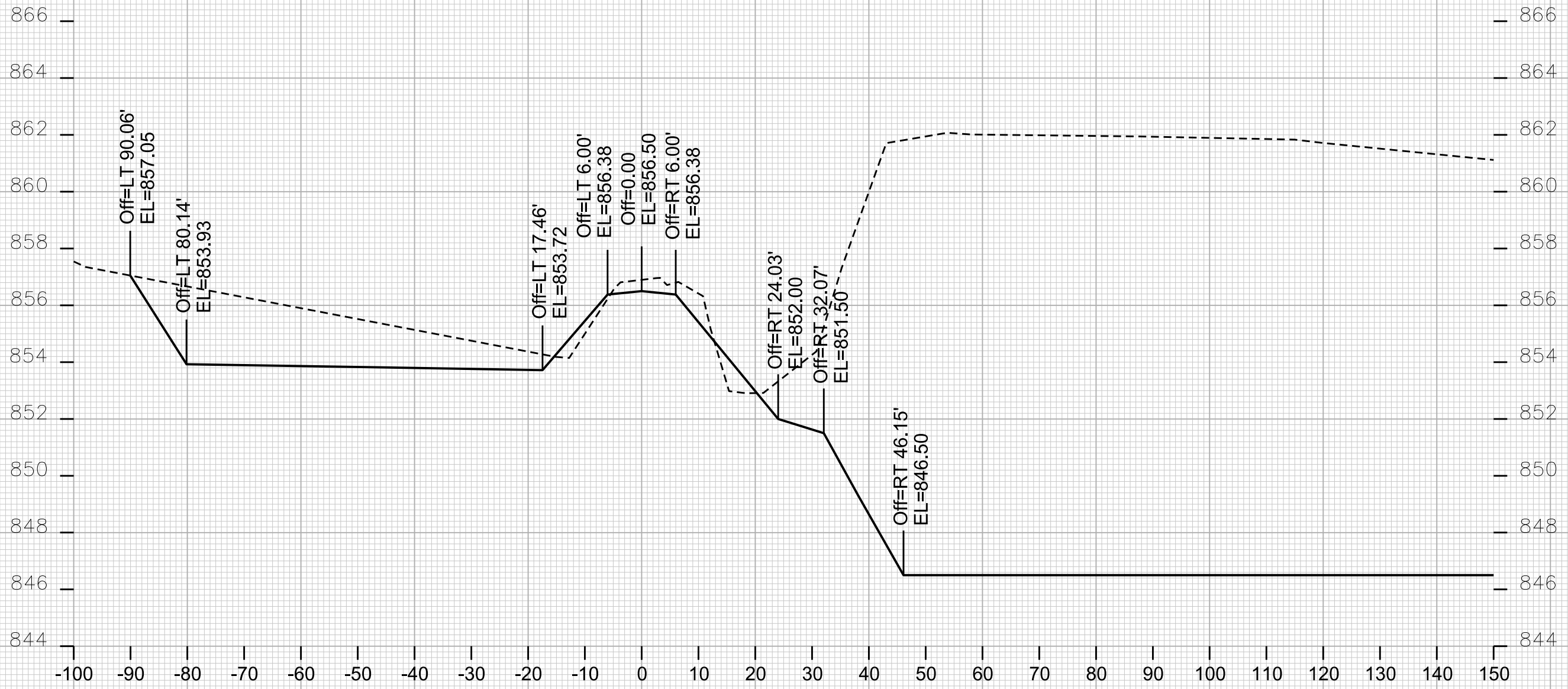
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

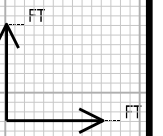
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 14+75



CROSS SECTIONS

ACCESS ROAD/BERM

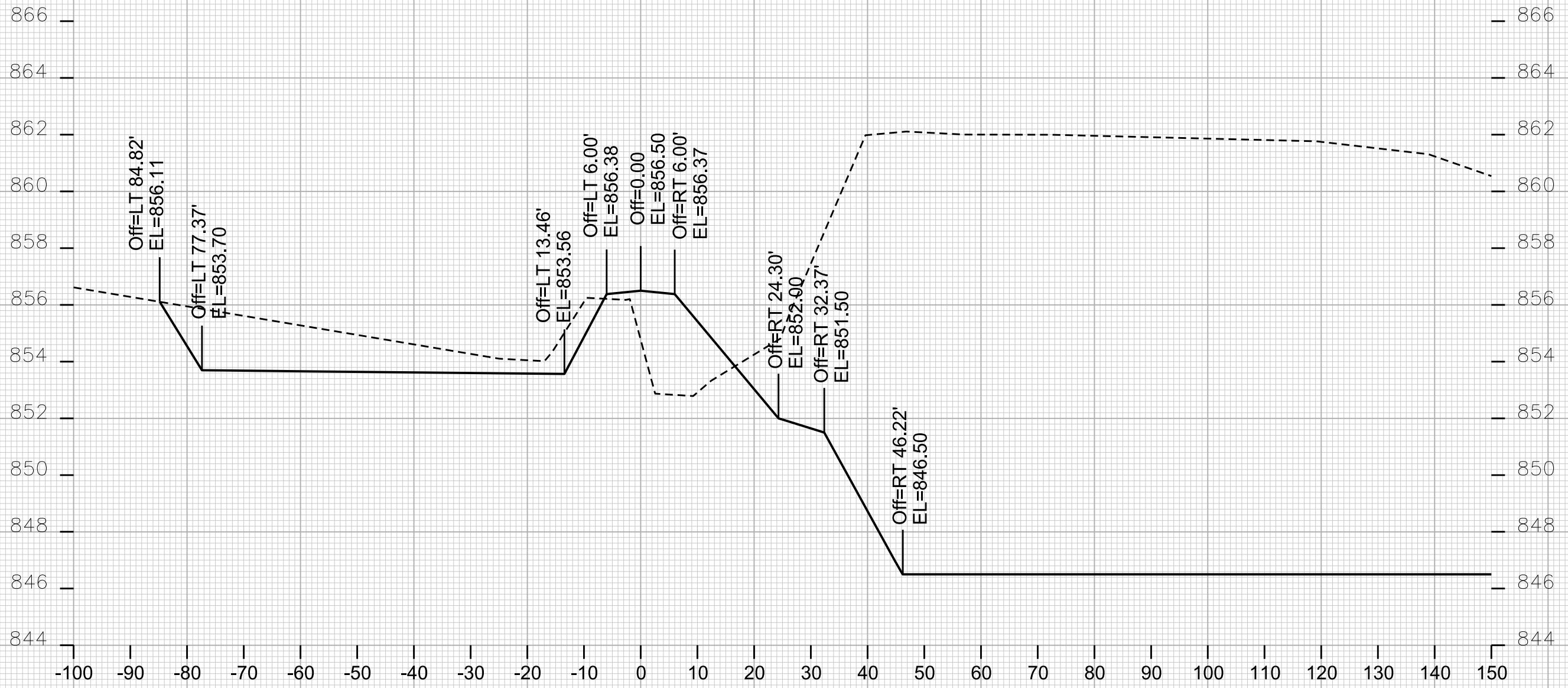
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



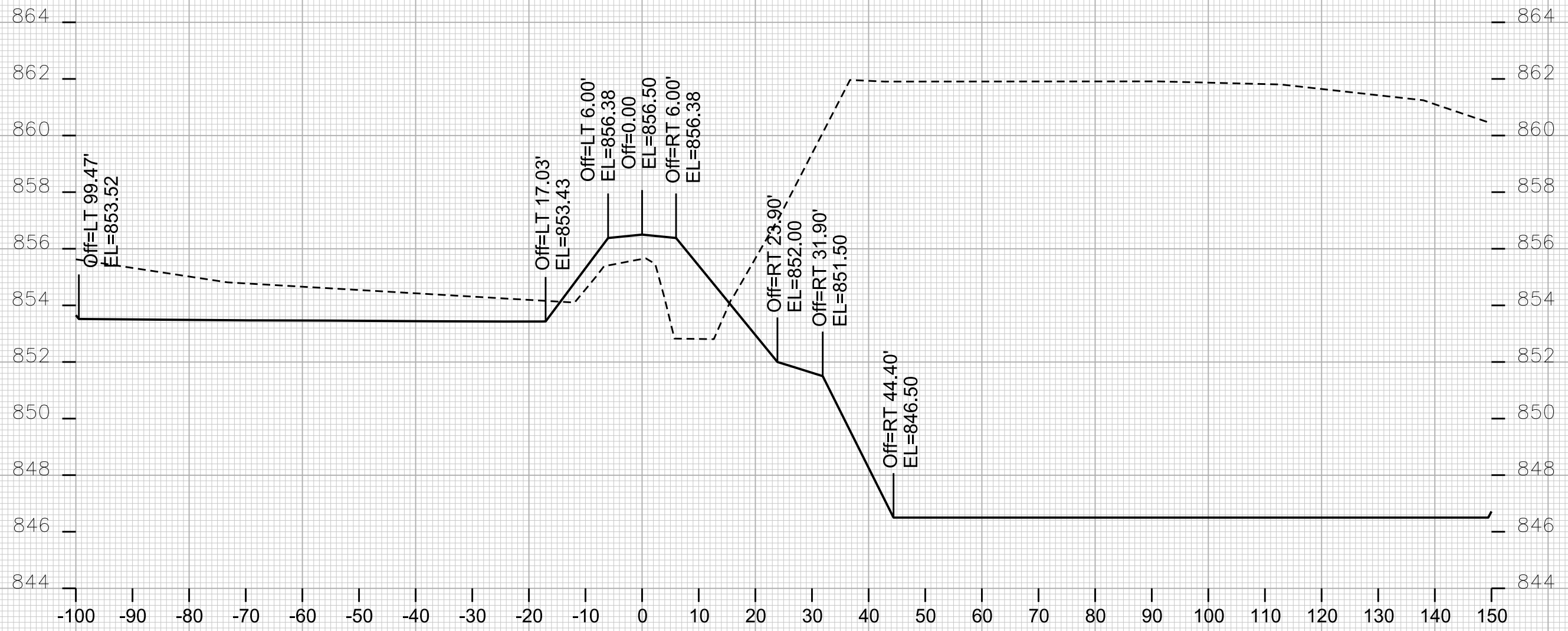
STA. 15+00



CROSS SECTIONS

ACCESS ROAD/BERM

CITY OF MADISON



STA. 15+25



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

ACCESS ROAD/BERM

CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

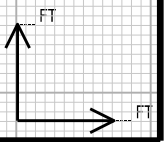
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 15+50



CROSS SECTIONS

ACCESS ROAD/BERM

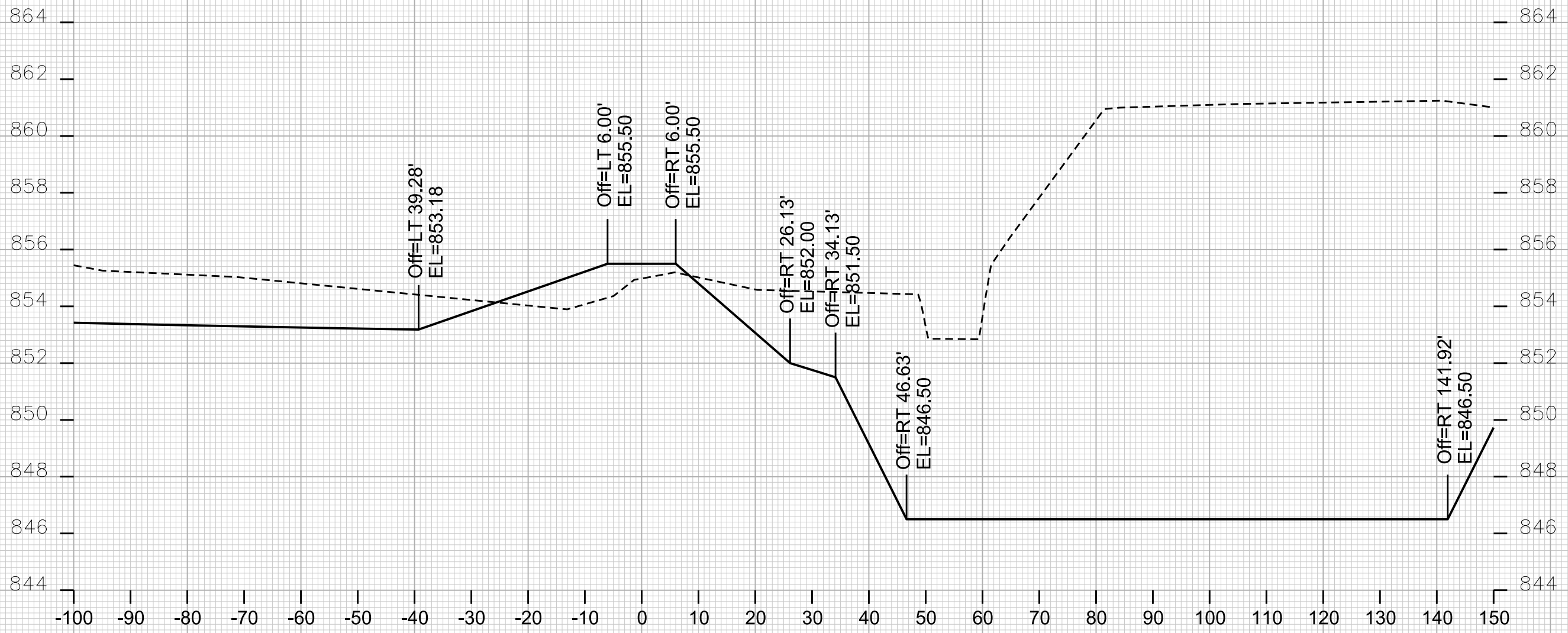
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

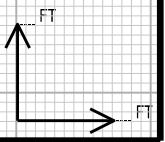
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 15+75





CROSS SECTIONS

ACCESS ROAD/BERM

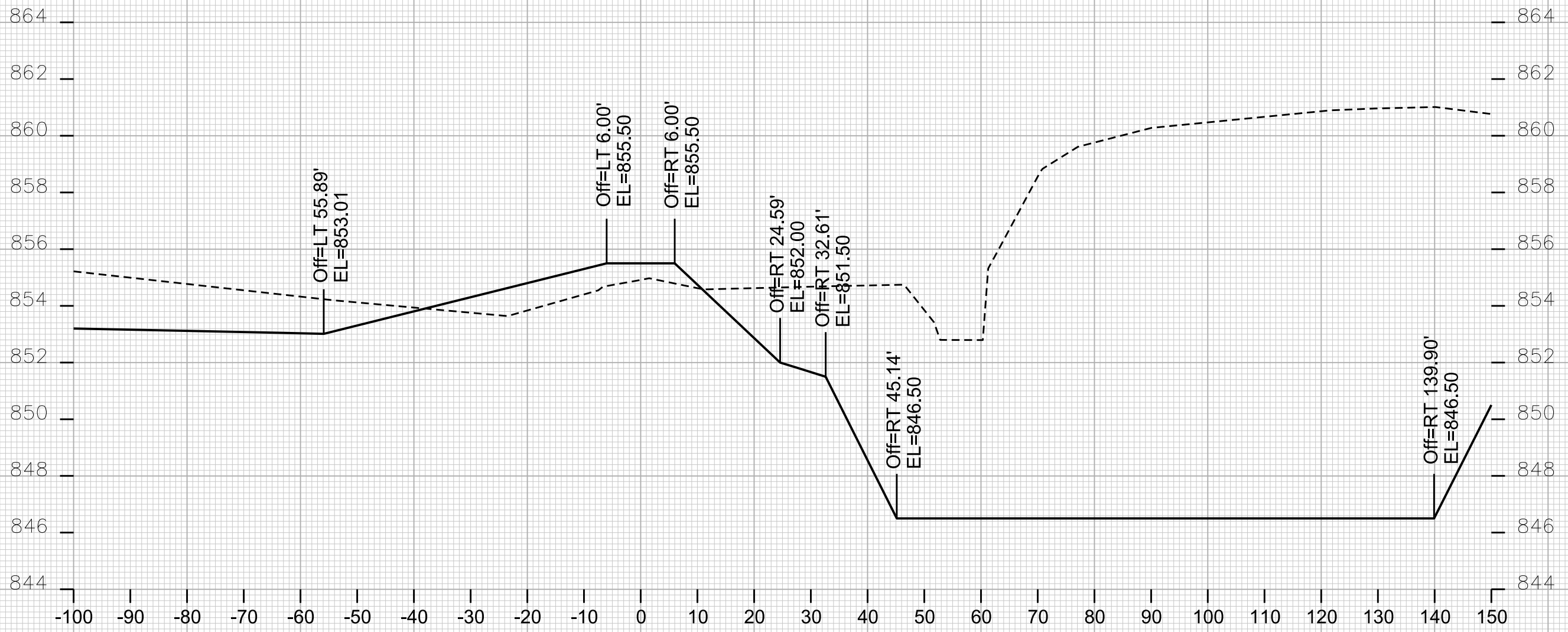
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

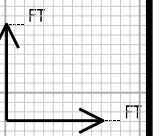
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 16+00



CROSS SECTIONS

ACCESS ROAD/BERM

CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

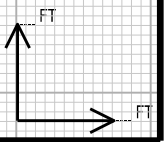
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 16+25



CROSS SECTIONS

ACCESS ROAD/BERM

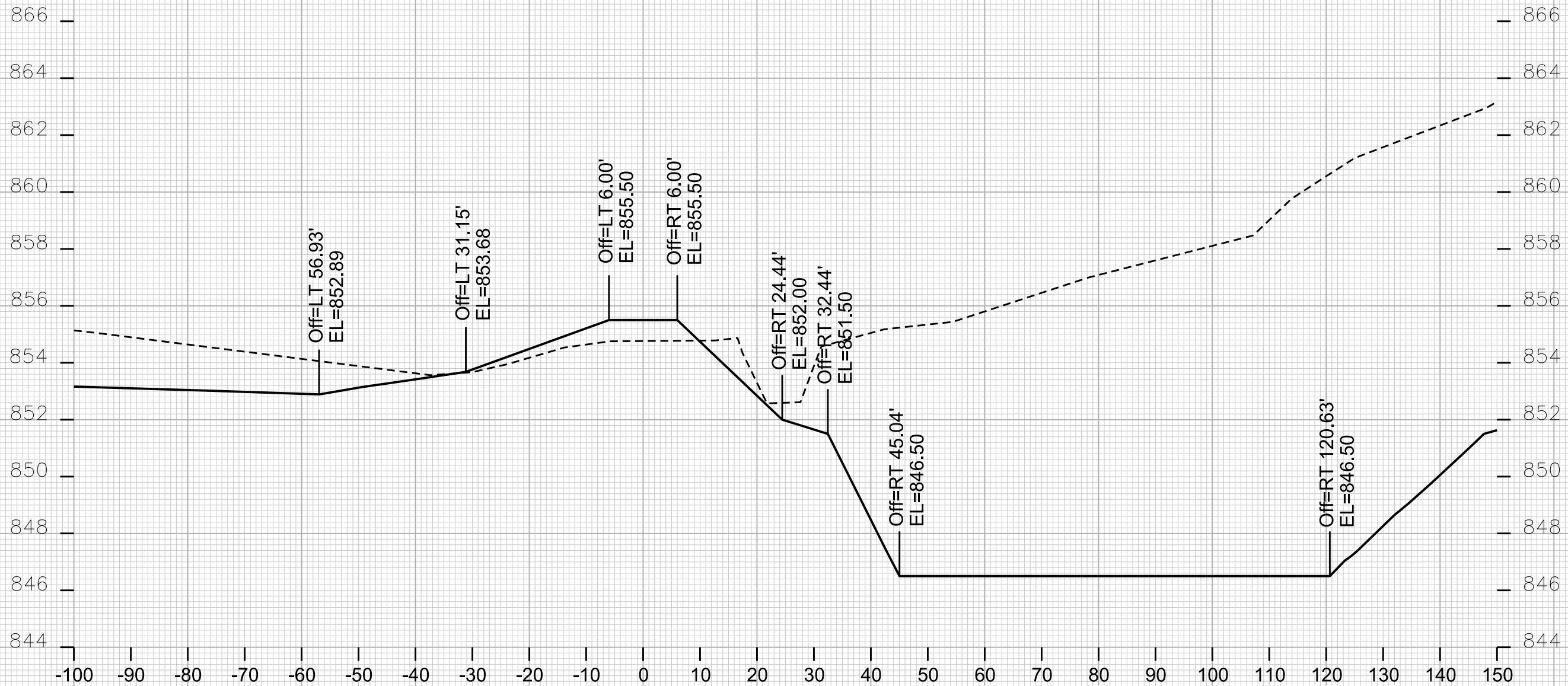
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

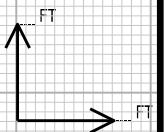
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 16+50



CROSS SECTIONS

ACCESS ROAD/BERM

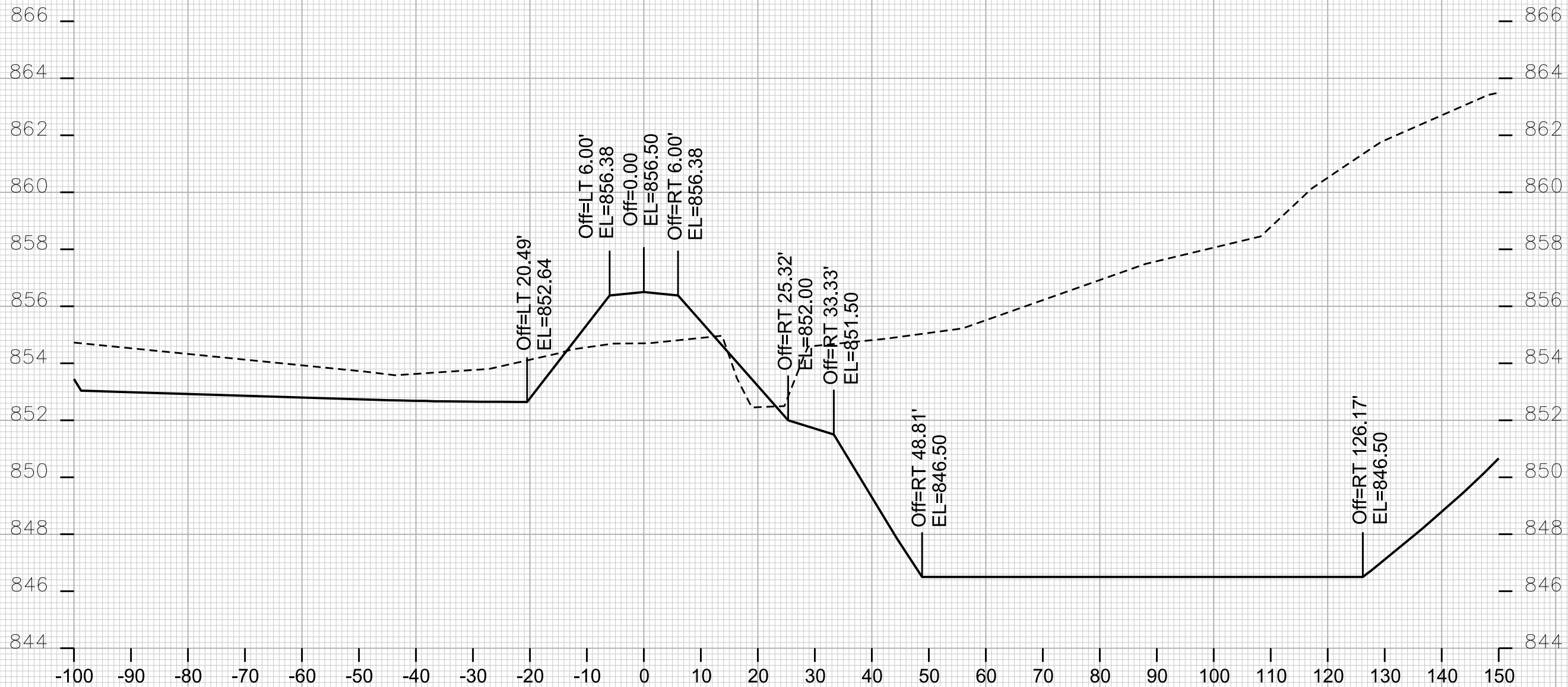
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

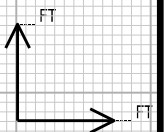
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 16+75



CROSS SECTIONS

ACCESS ROAD/BERM

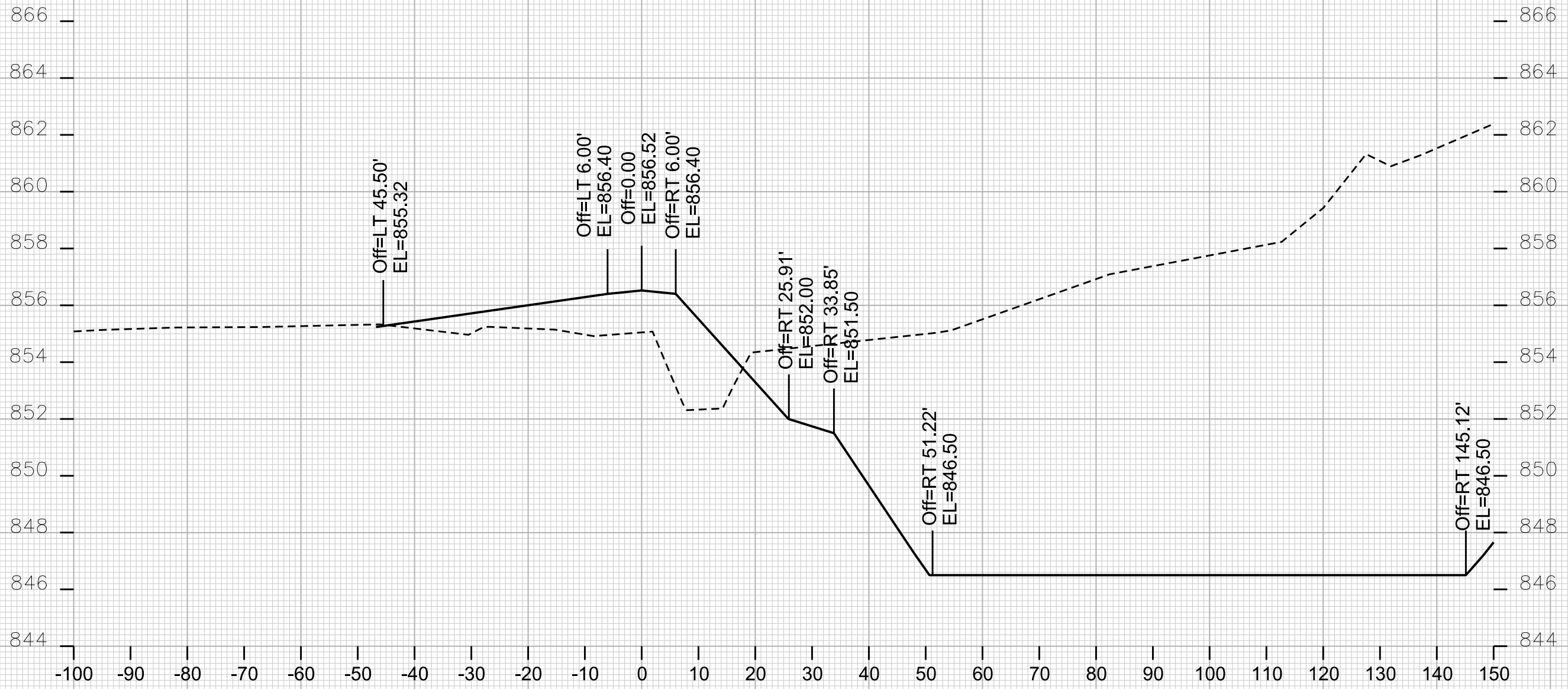
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

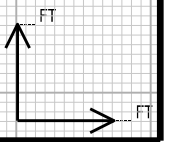
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REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 17+00



CROSS SECTIONS

ACCESS ROAD/BERM

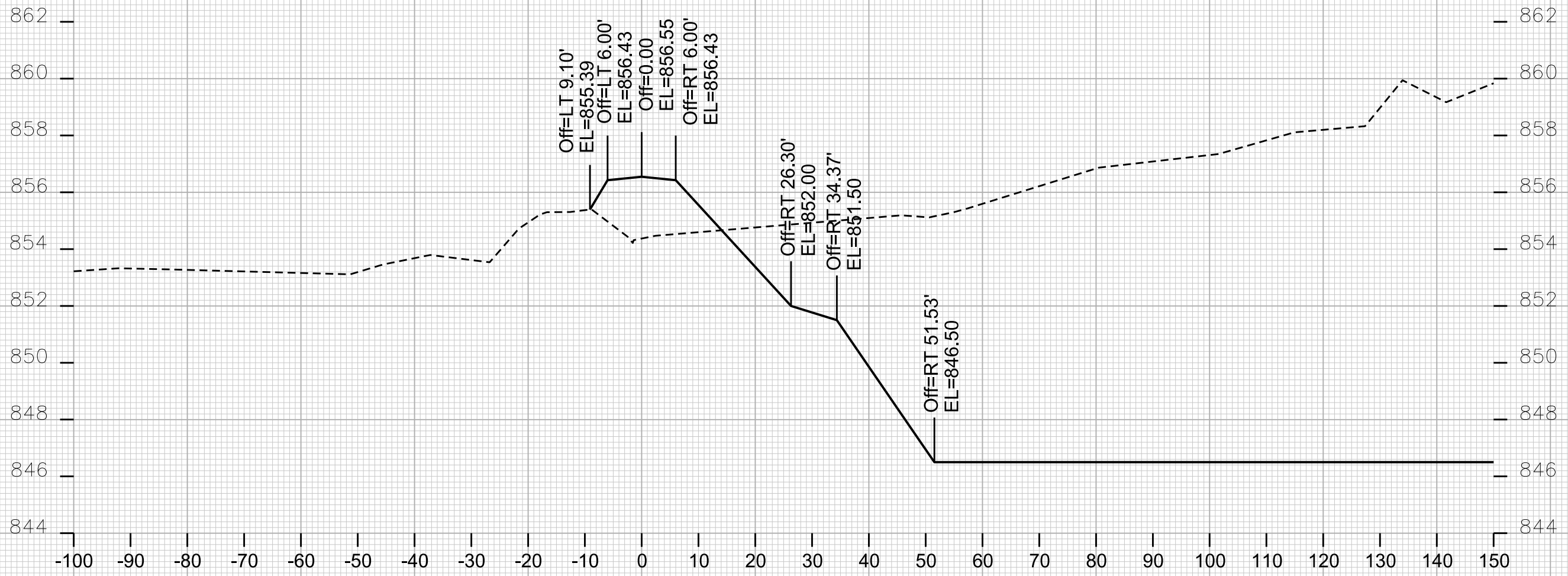
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 17+25

CROSS SECTIONS

ACCESS ROAD/BERM

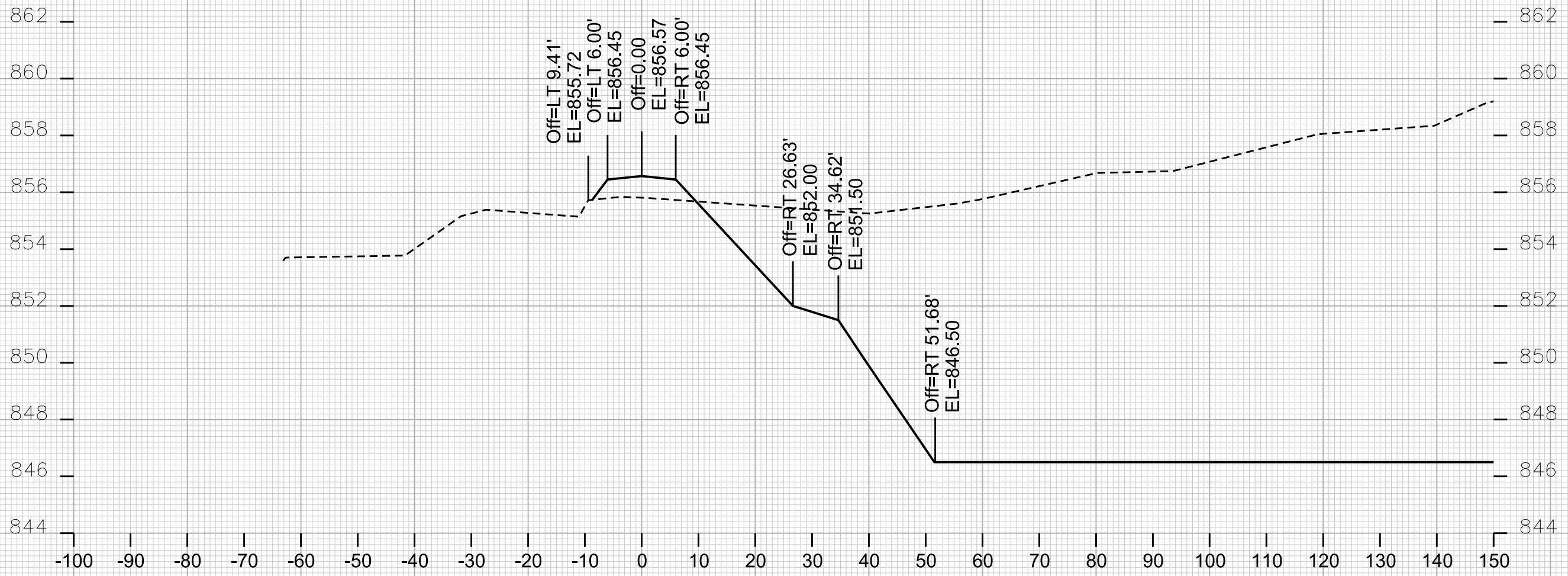
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

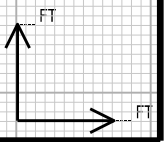
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 17+50



CROSS SECTIONS

ACCESS ROAD/BERM

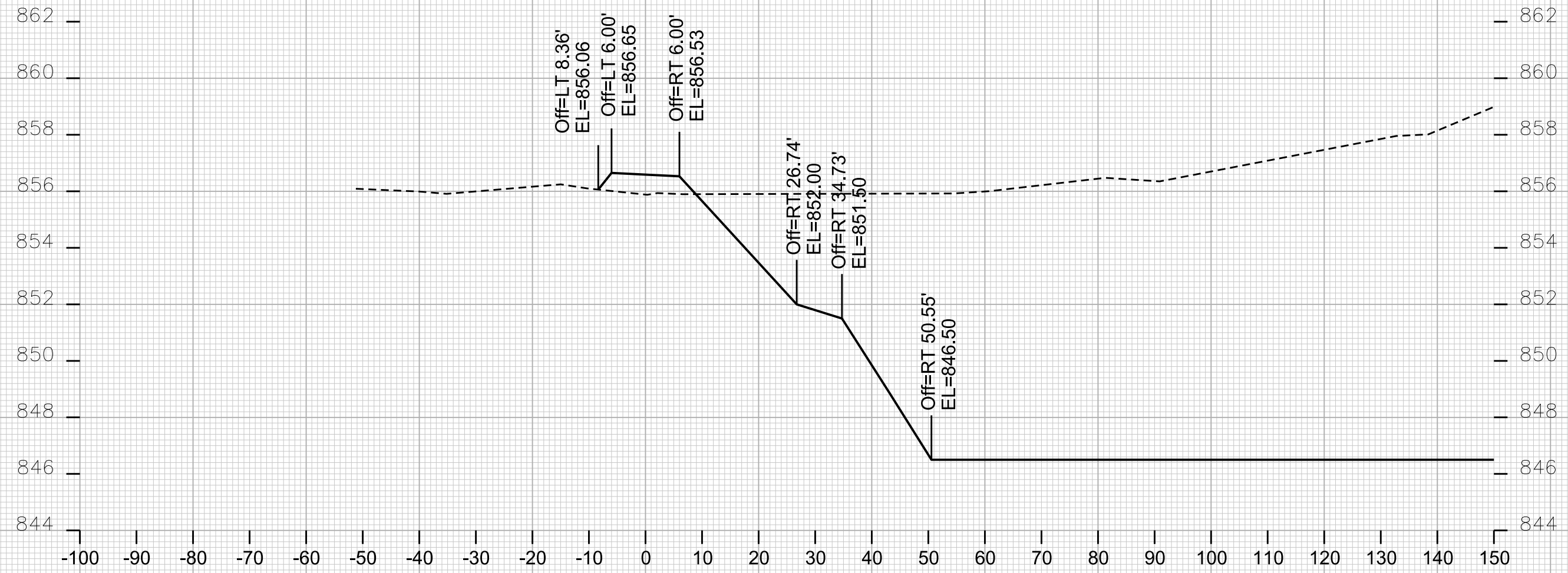
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

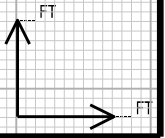
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 17+75





CROSS SECTIONS

ACCESS ROAD/BERM

CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

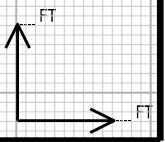
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 18+00



CROSS SECTIONS

ACCESS ROAD/BERM

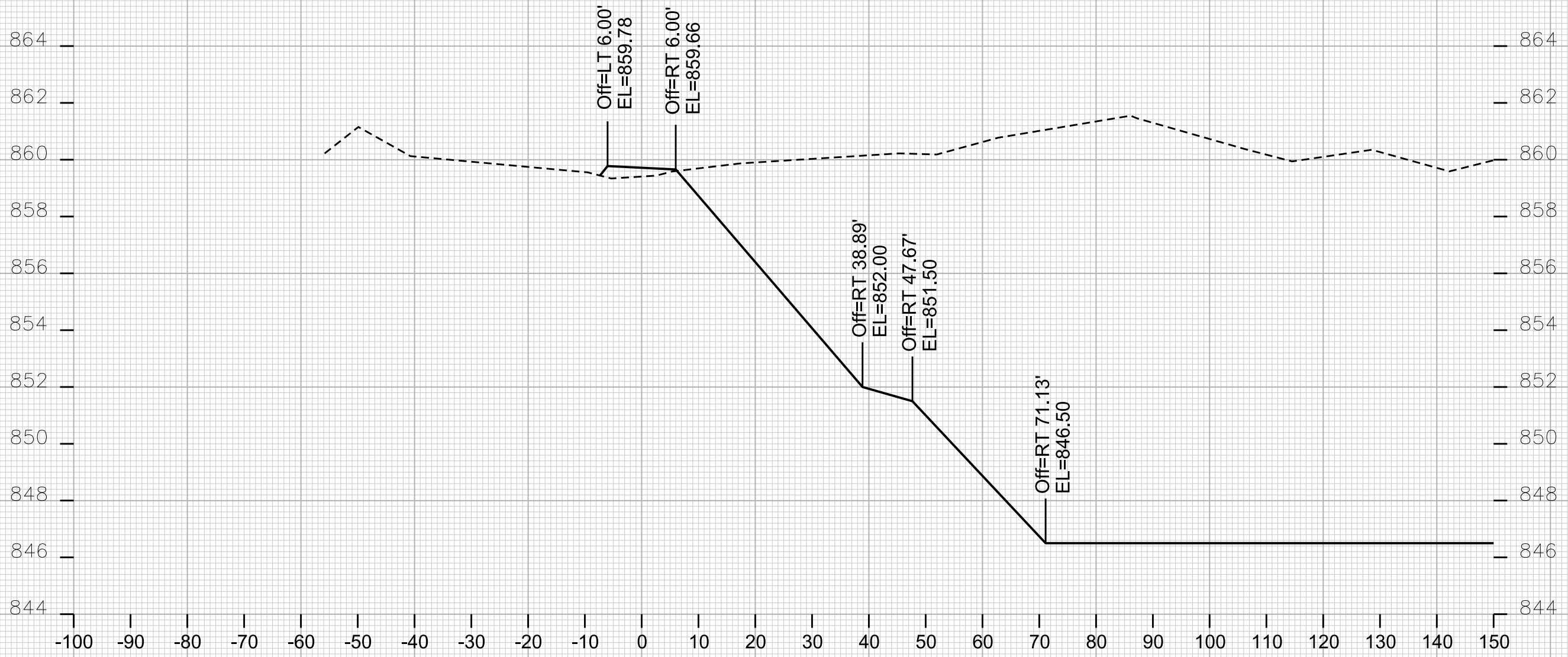
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

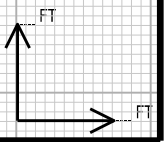
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



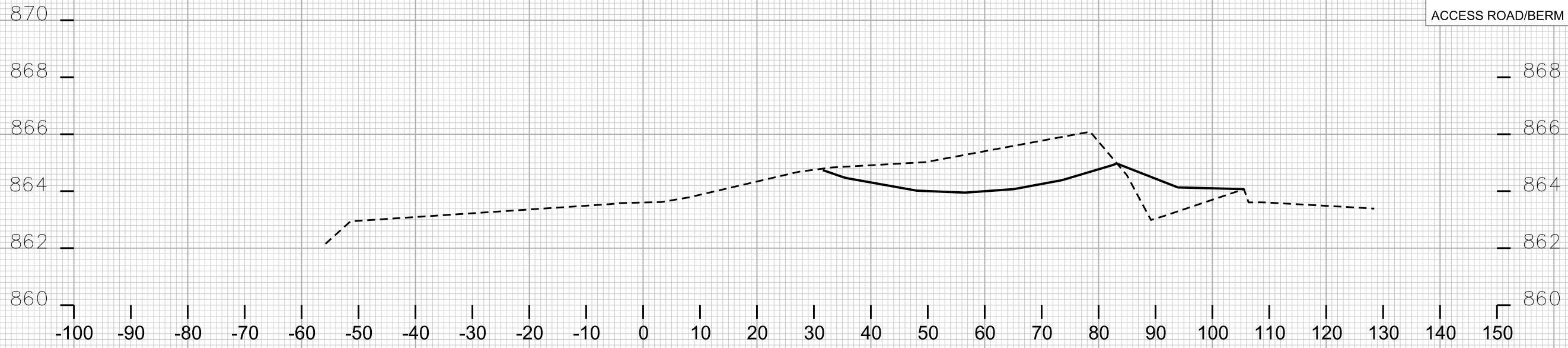
STA. 18+25



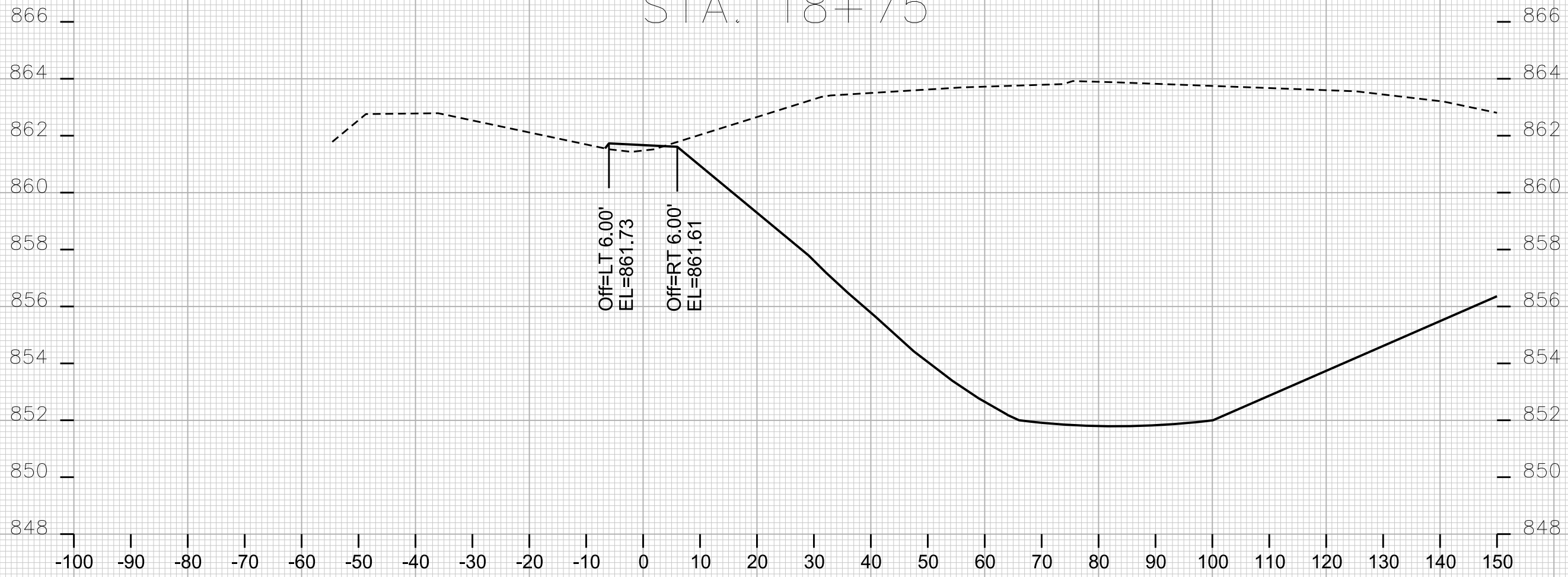
CROSS SECTIONS

ACCESS ROAD/BERM

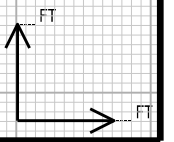
CITY OF MADISON



STA. 18+75



STA. 18+50



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

ACCESS ROAD/BERM

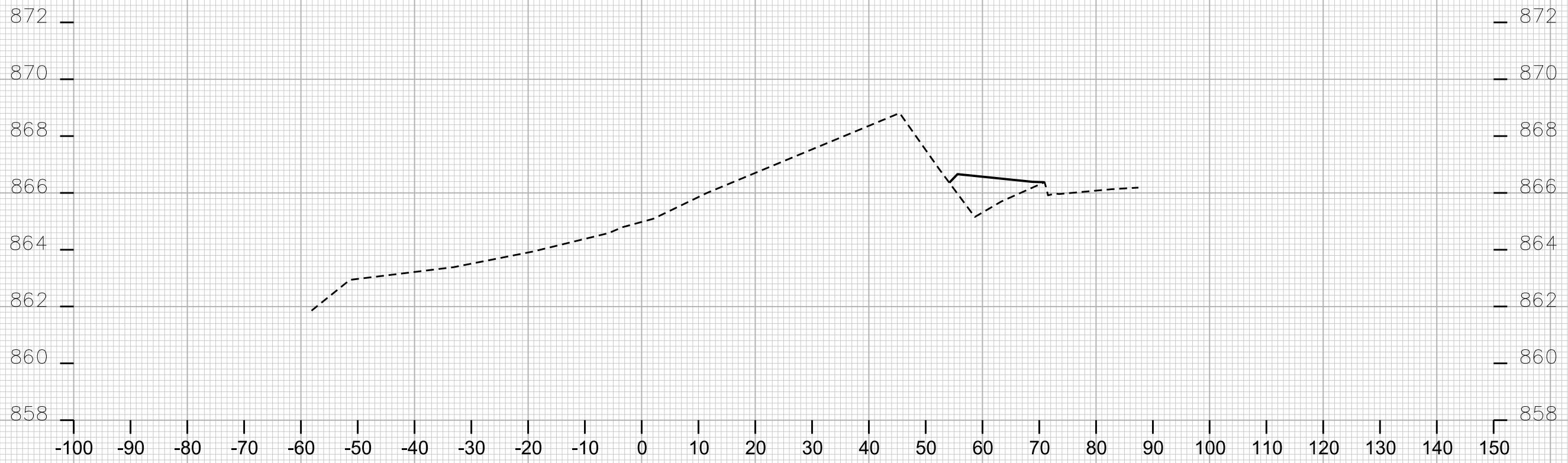
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

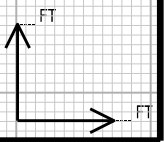
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REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 19+00



CROSS SECTIONS

POND

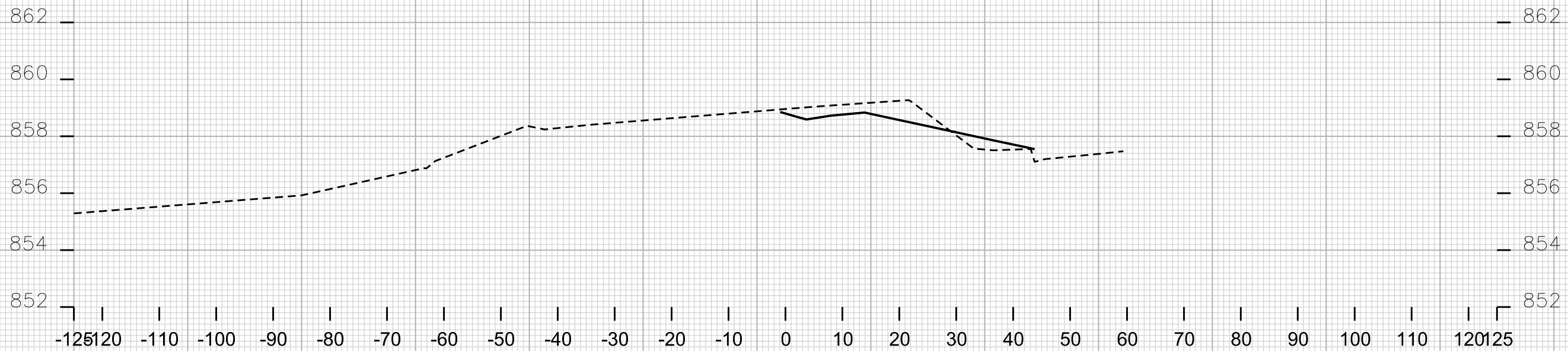
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

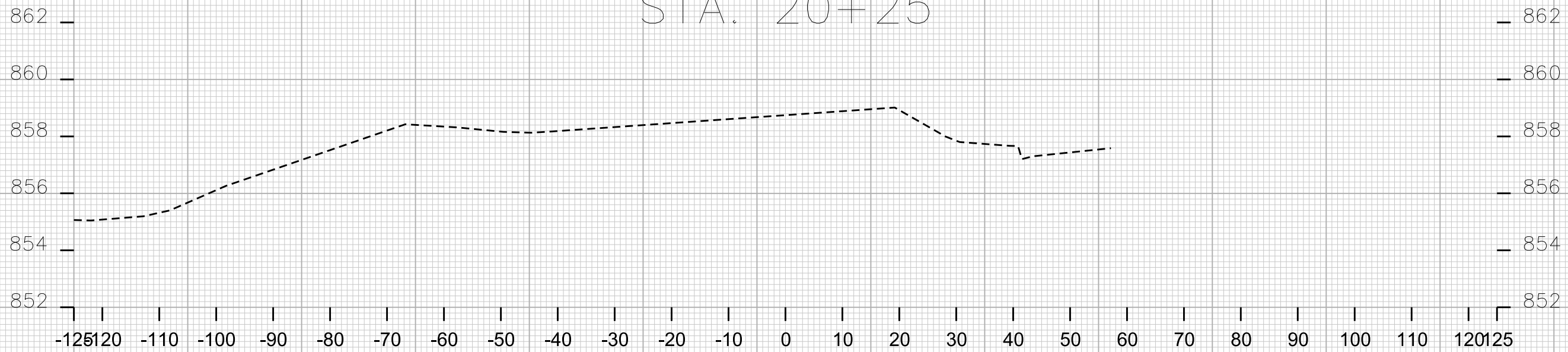
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REV. DATE: \_\_\_\_\_

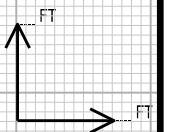
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 20+25



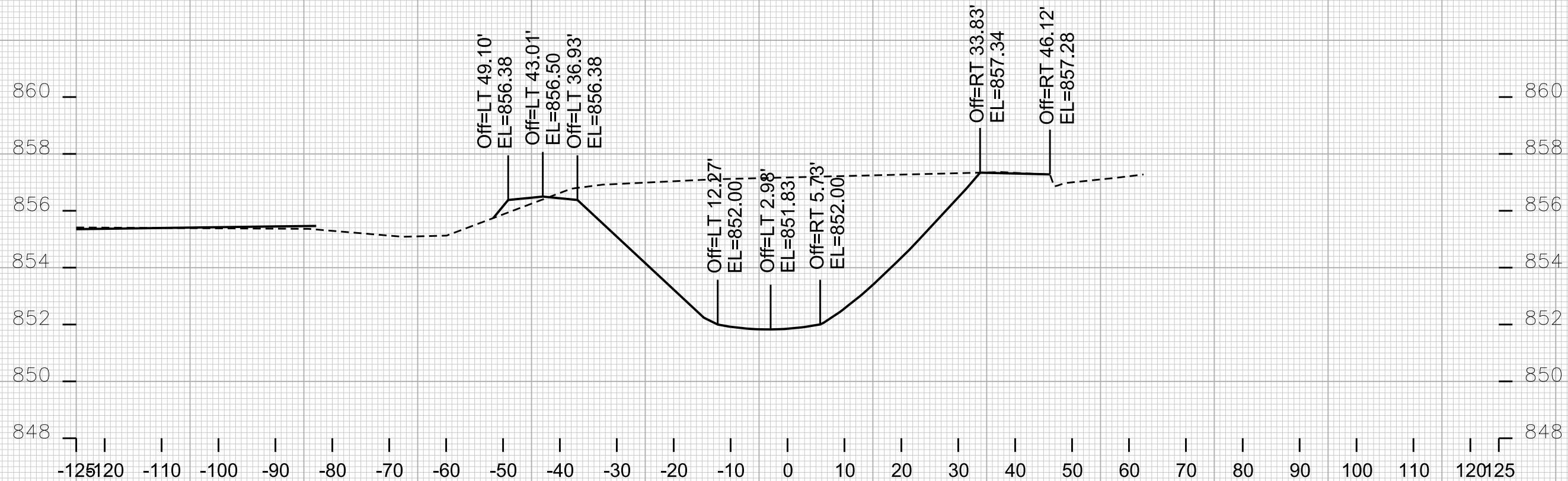
STA. 20+00



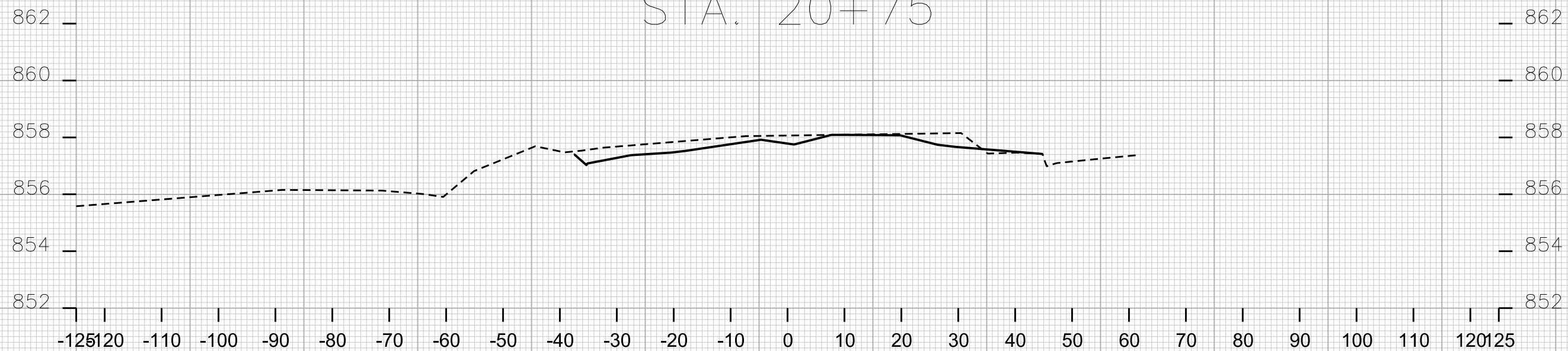
CROSS SECTIONS

POND

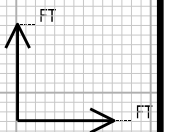
CITY OF MADISON



STA. 20+75



STA. 20+50



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

POND

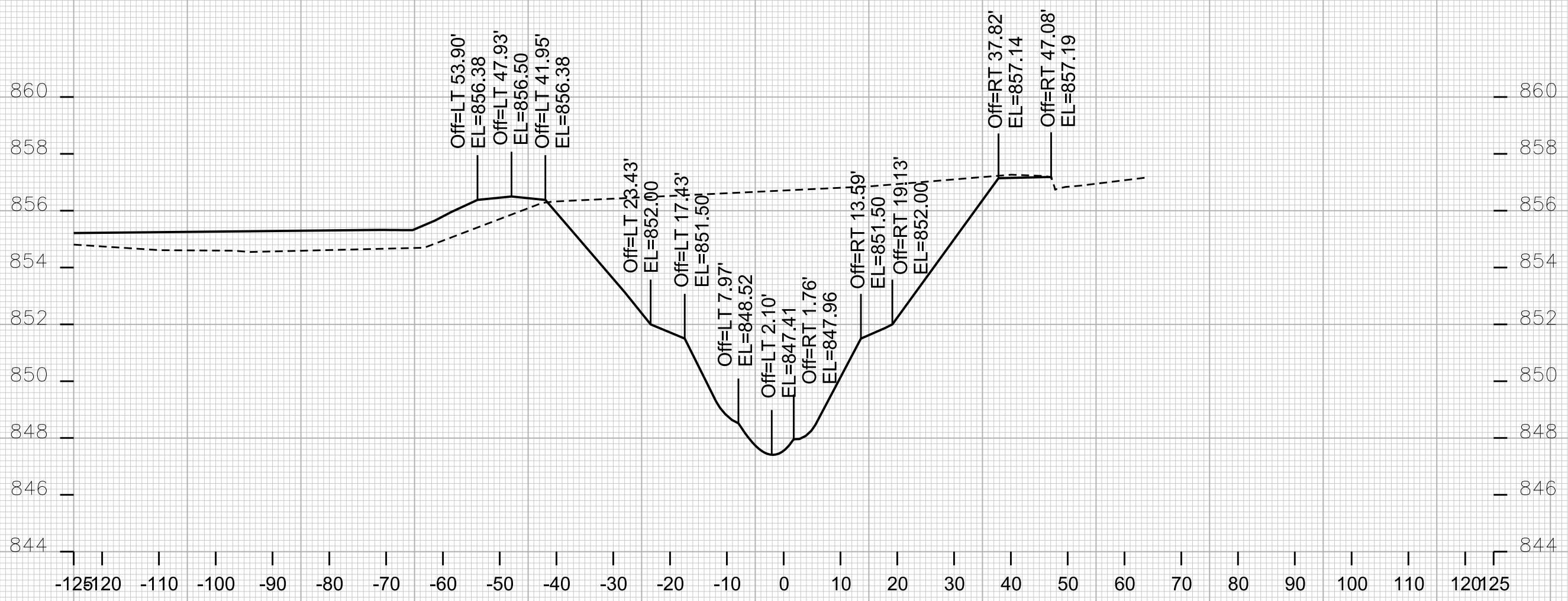
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

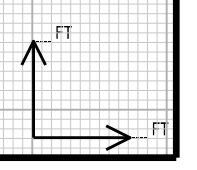
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 21+00



CROSS SECTIONS

POND

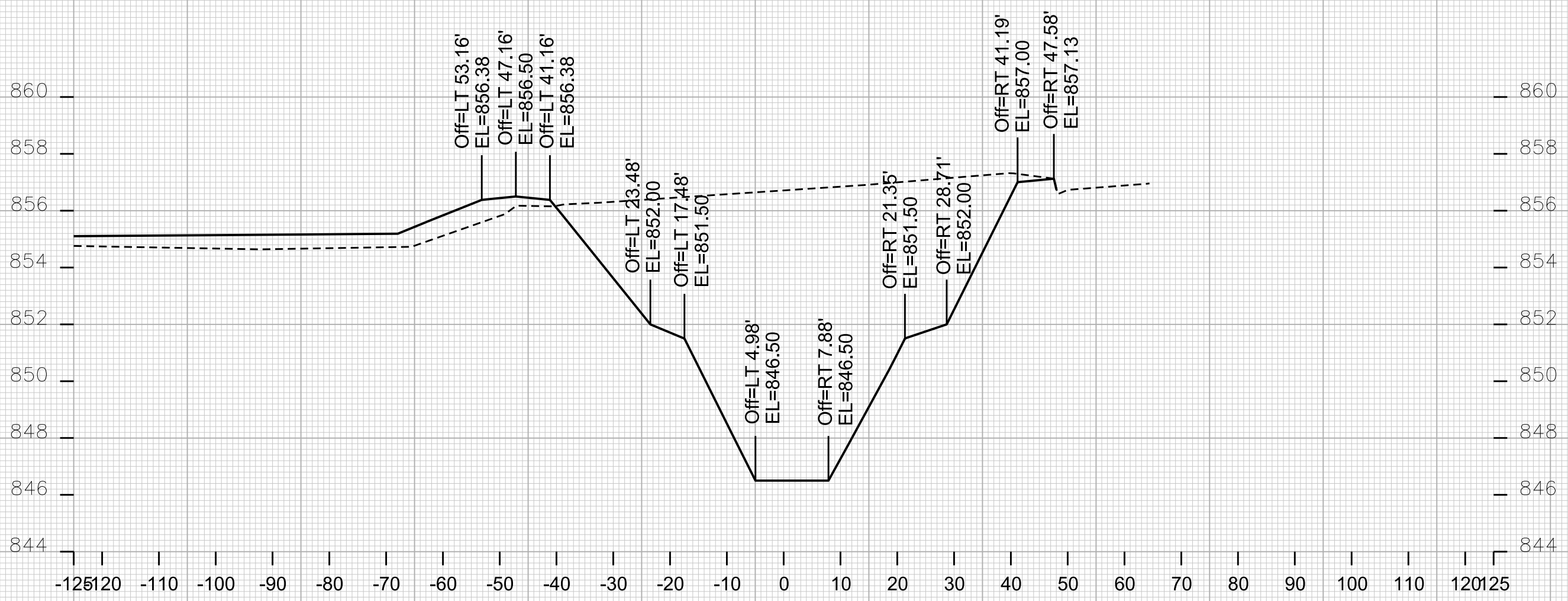
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

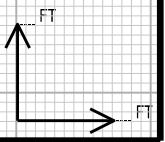
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REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 21+25





CROSS SECTIONS

POND

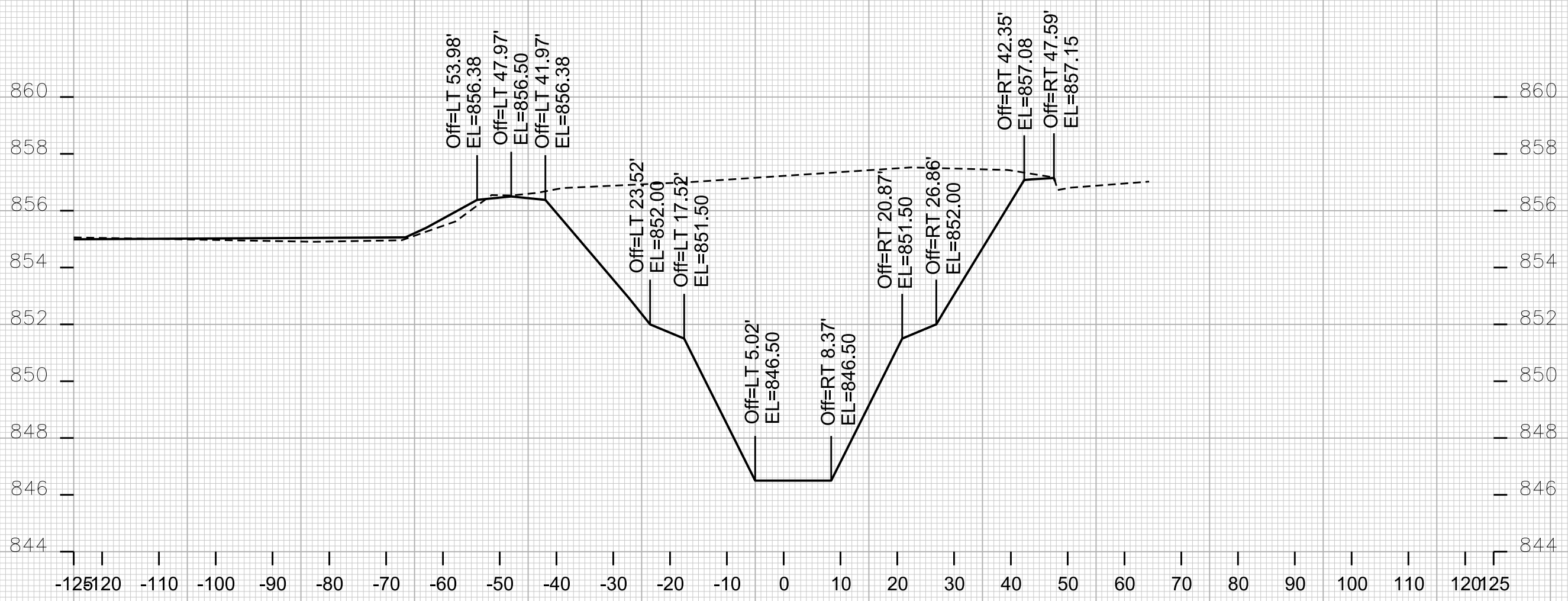
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

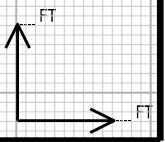
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 21+50



CROSS SECTIONS

POND

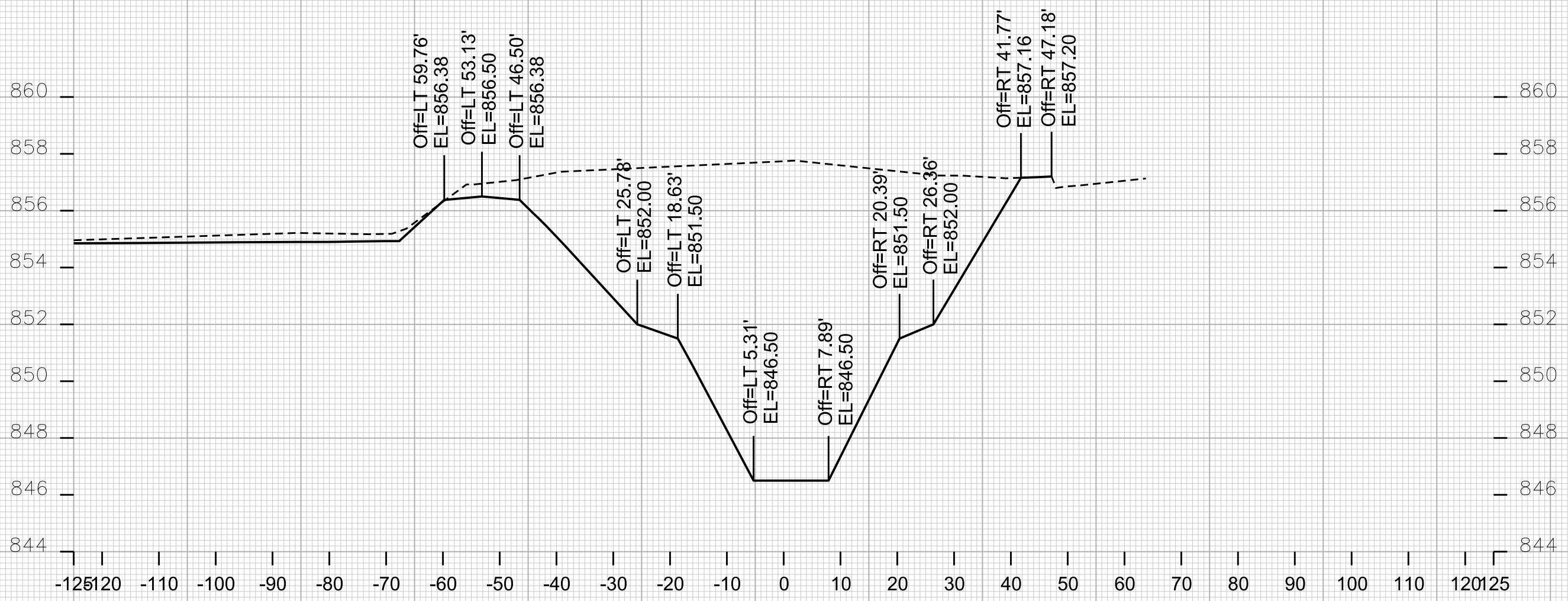
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

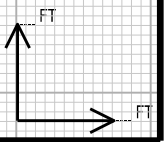
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 21+75



CROSS SECTIONS

POND

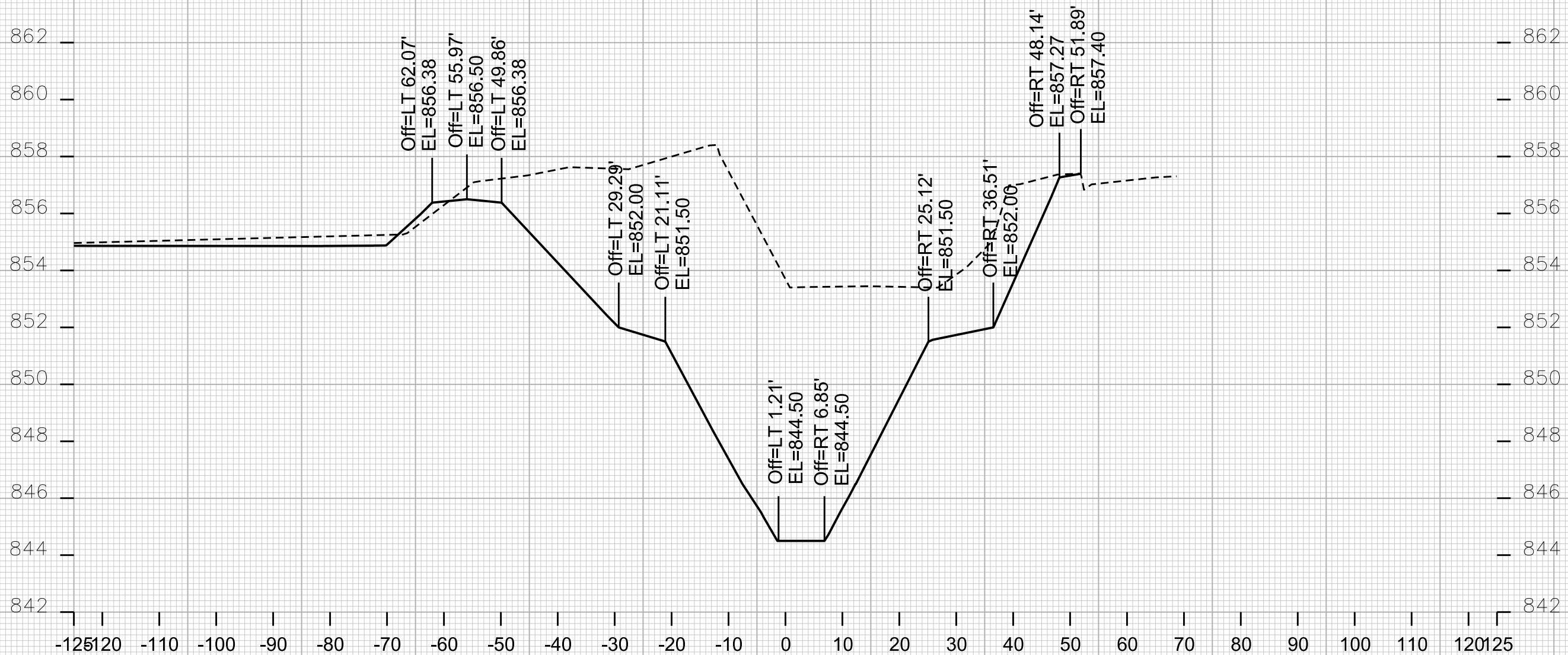
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

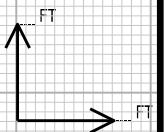
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 22+00



CROSS SECTIONS

POND

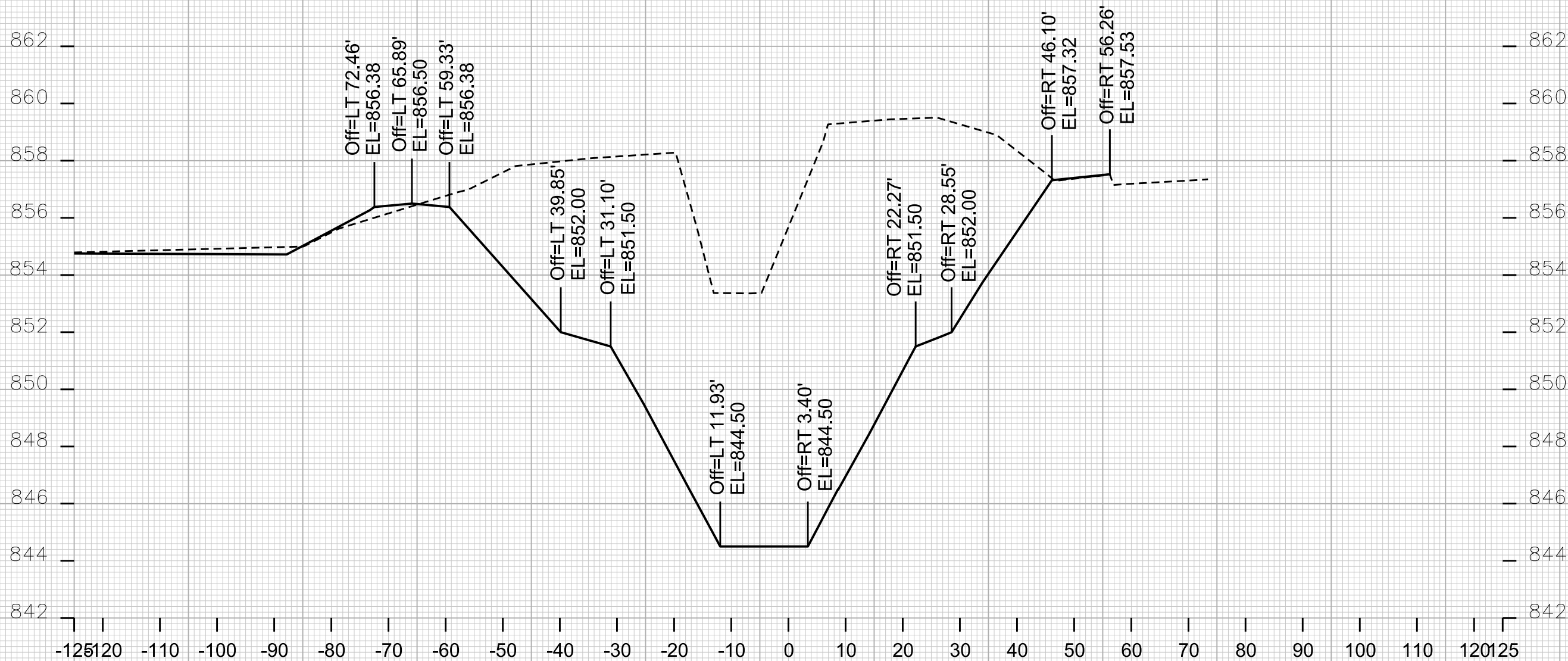
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

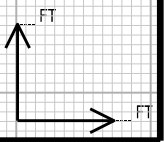
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 22+25



CROSS SECTIONS

POND

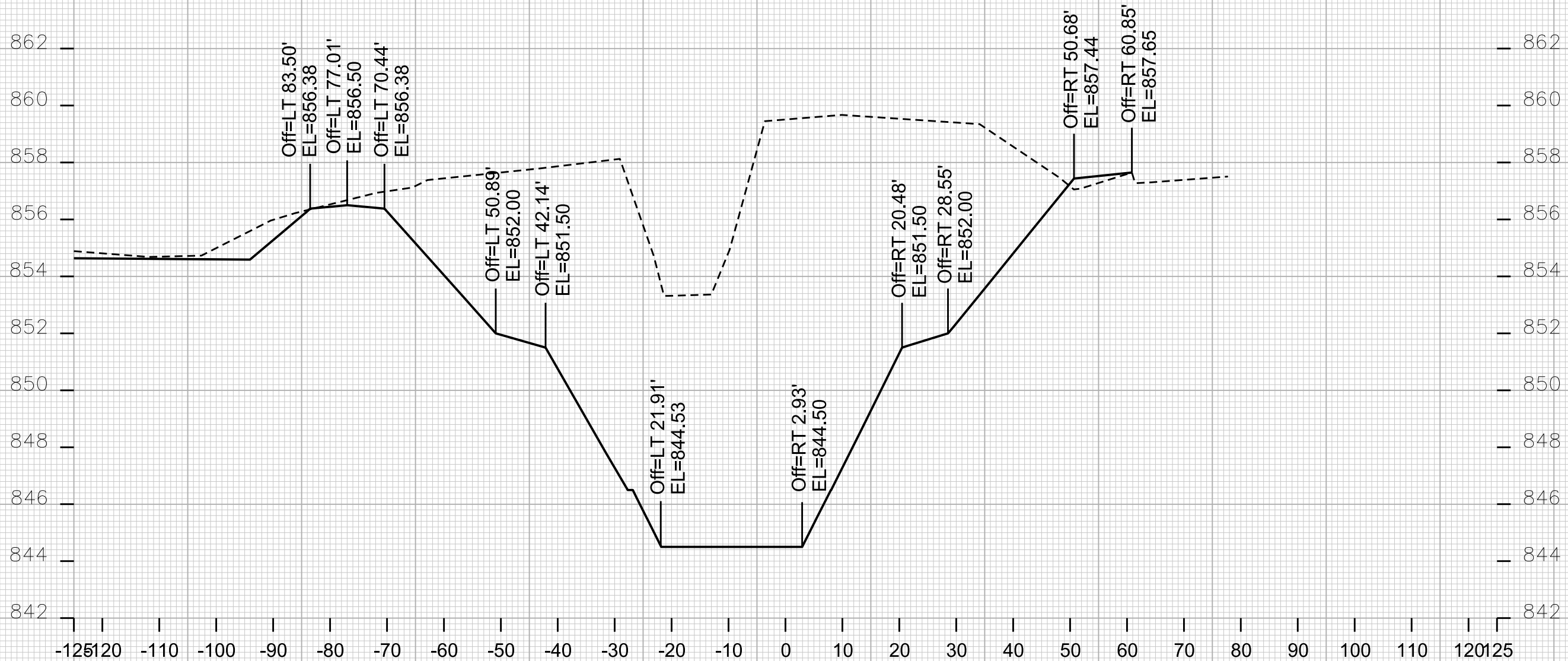
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

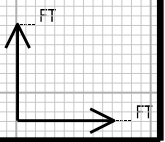
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 22+50



CROSS SECTIONS

POND

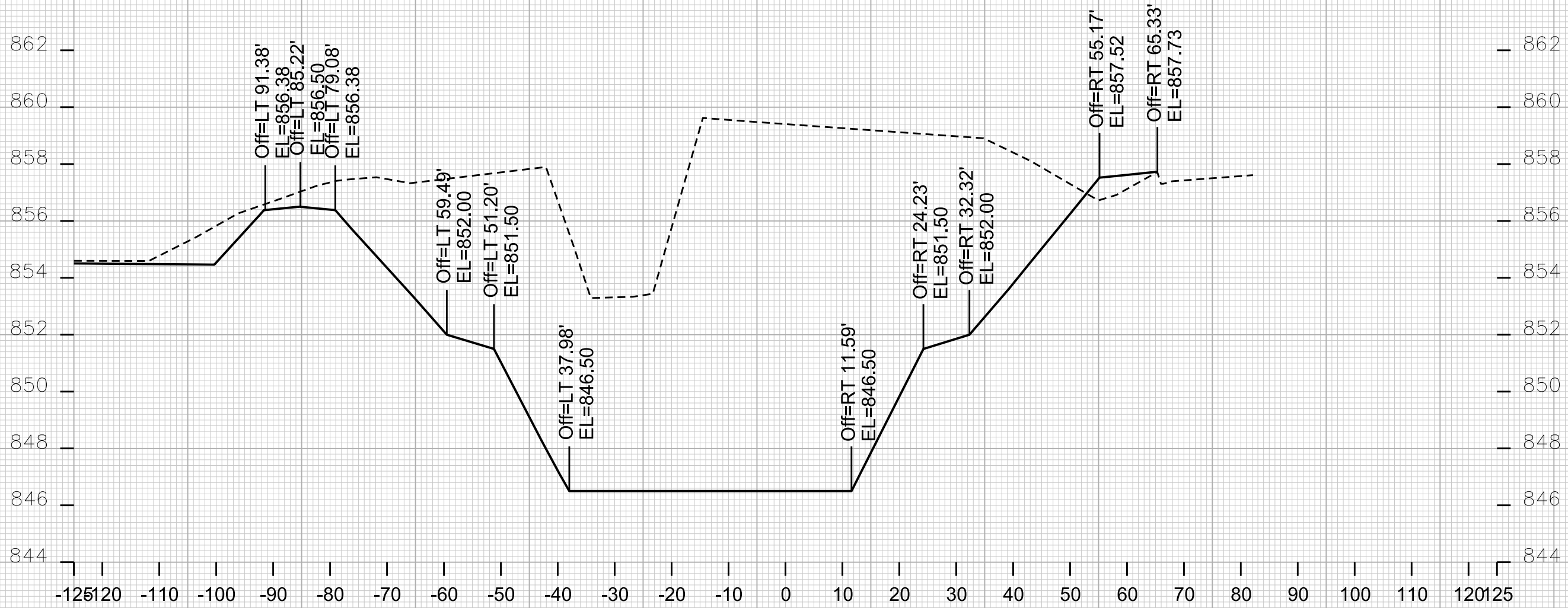
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

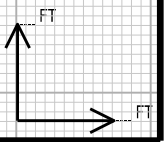
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 22+75



CROSS SECTIONS

POND

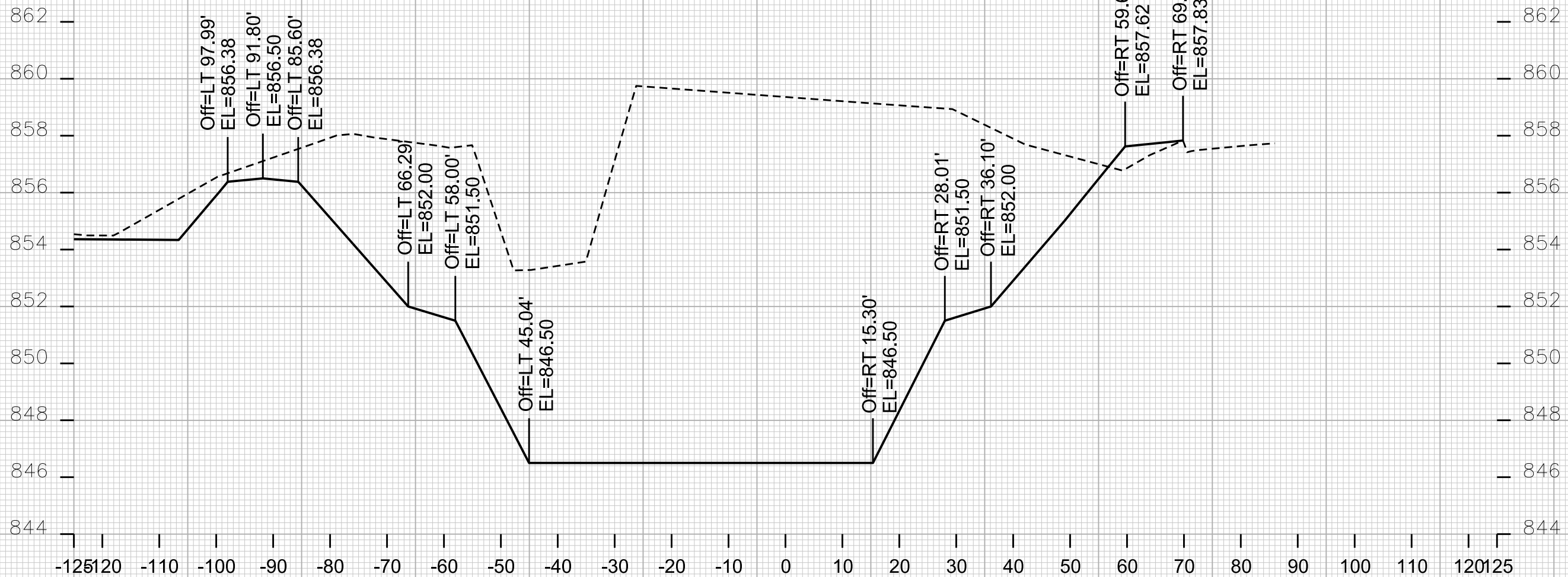
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

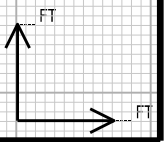
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 23+00



CROSS SECTIONS

POND

CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

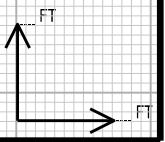
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 23+25





CROSS SECTIONS

POND

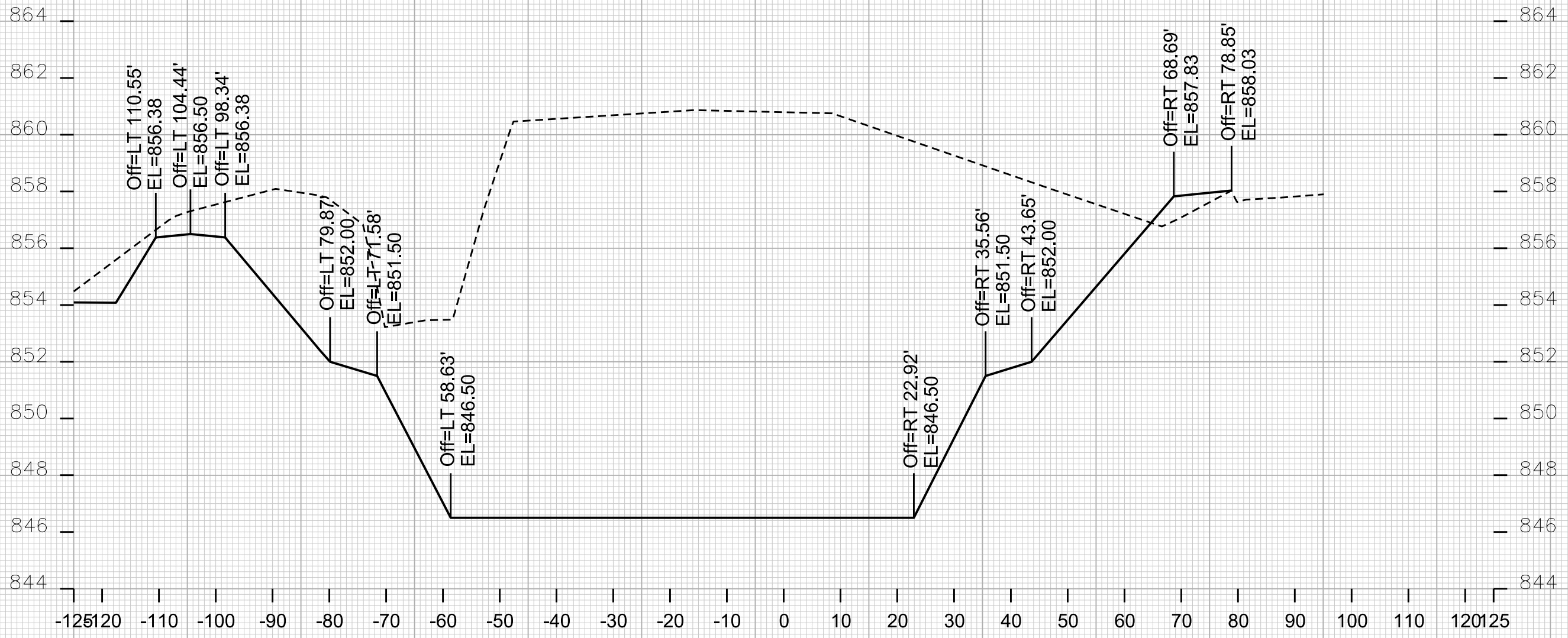
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

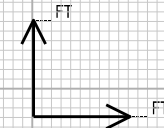
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 23+50



CROSS SECTIONS

POND

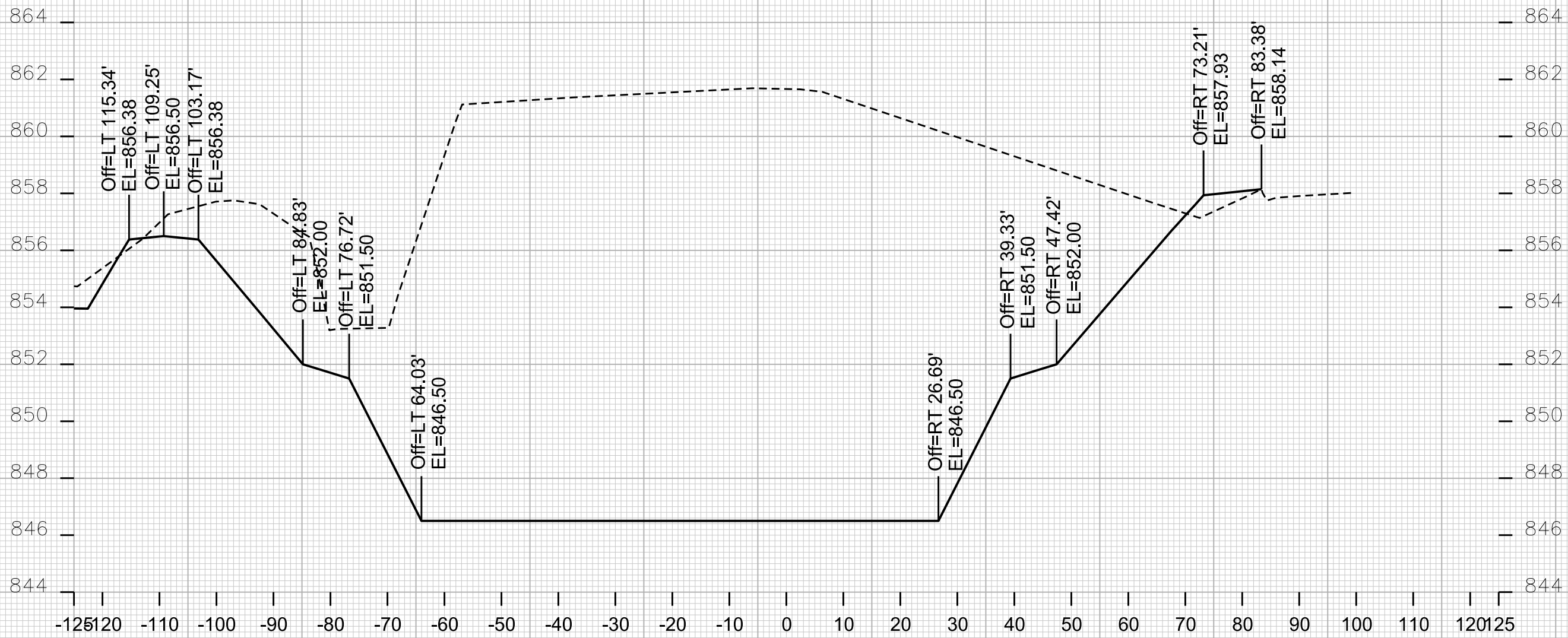
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

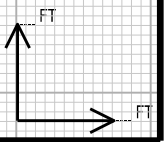
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 23+75



CROSS SECTIONS

POND

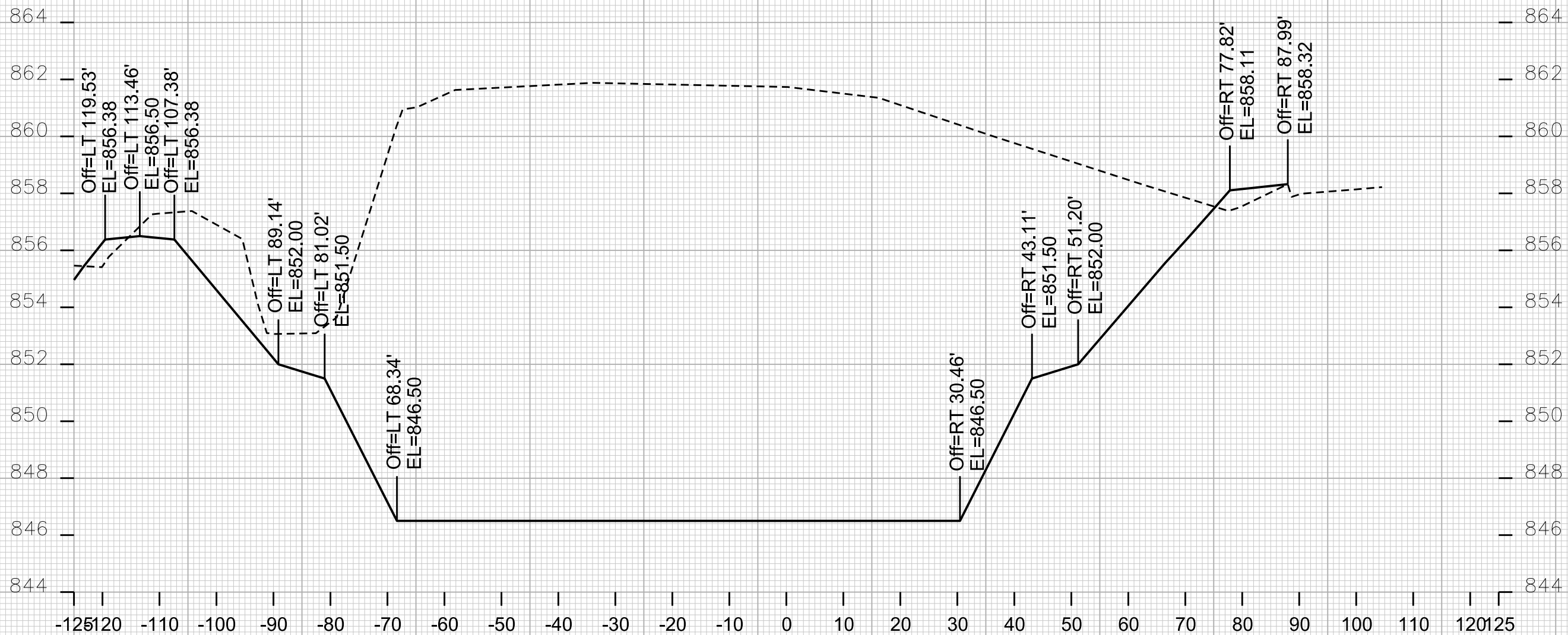
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

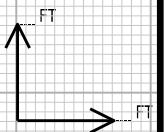
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REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 24+00



CROSS SECTIONS

POND

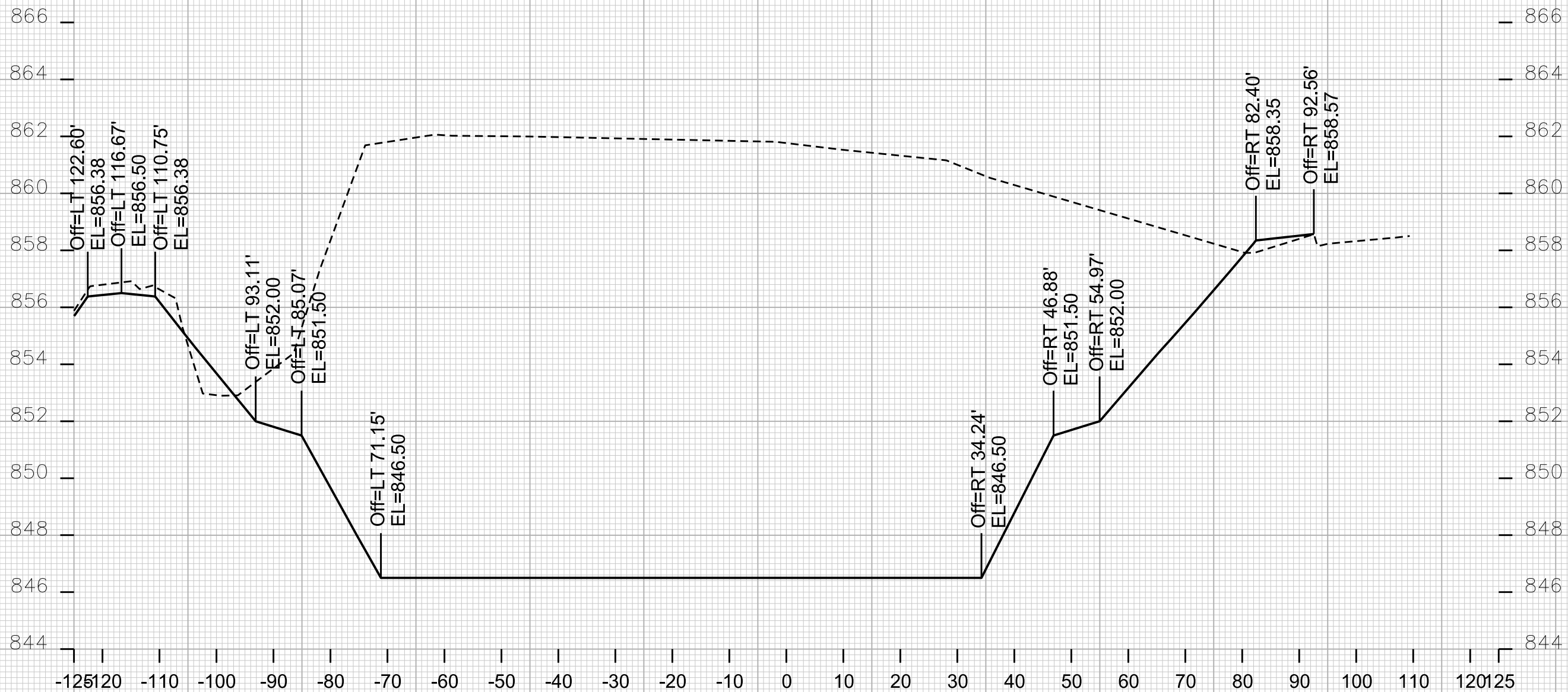
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

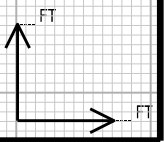
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 24+25



CROSS SECTIONS

POND

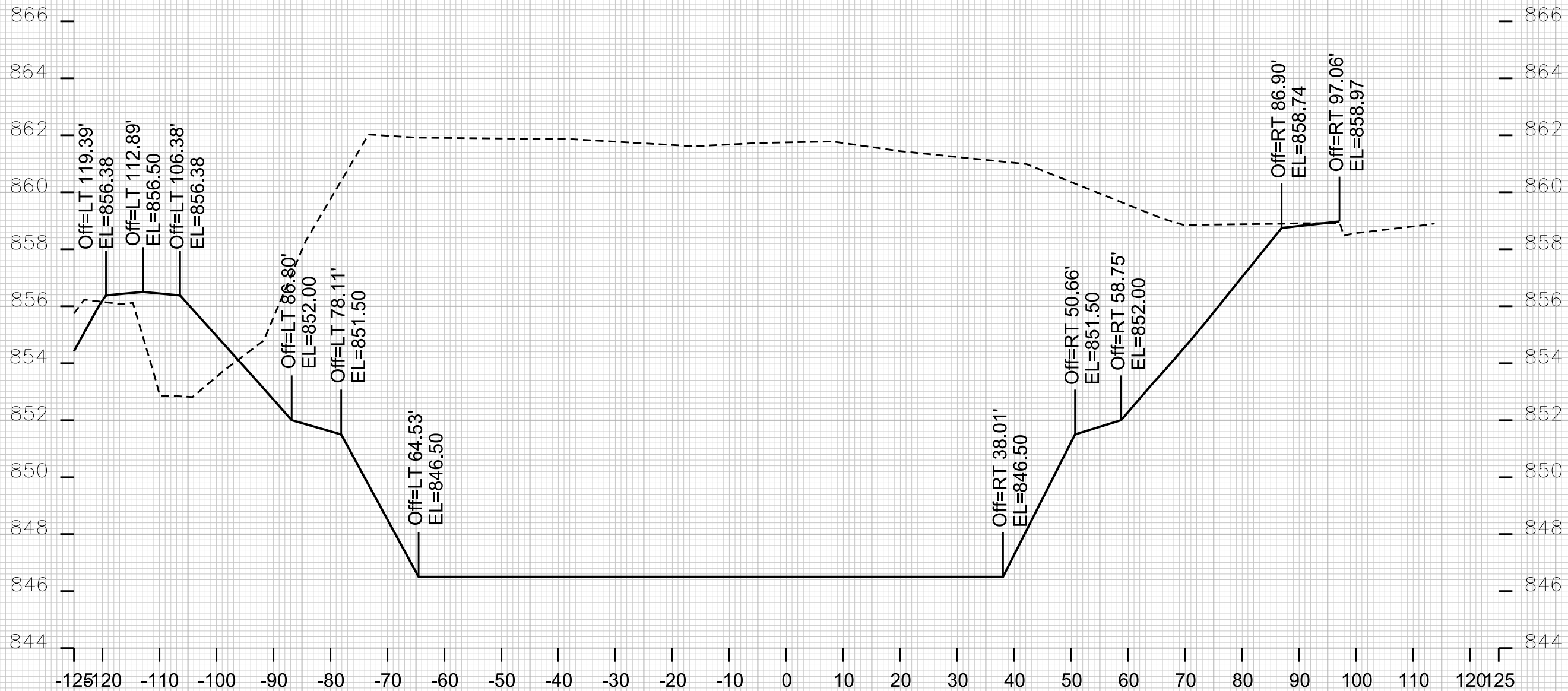
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

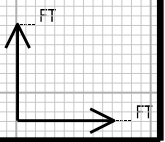
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 24+50



CROSS SECTIONS

POND

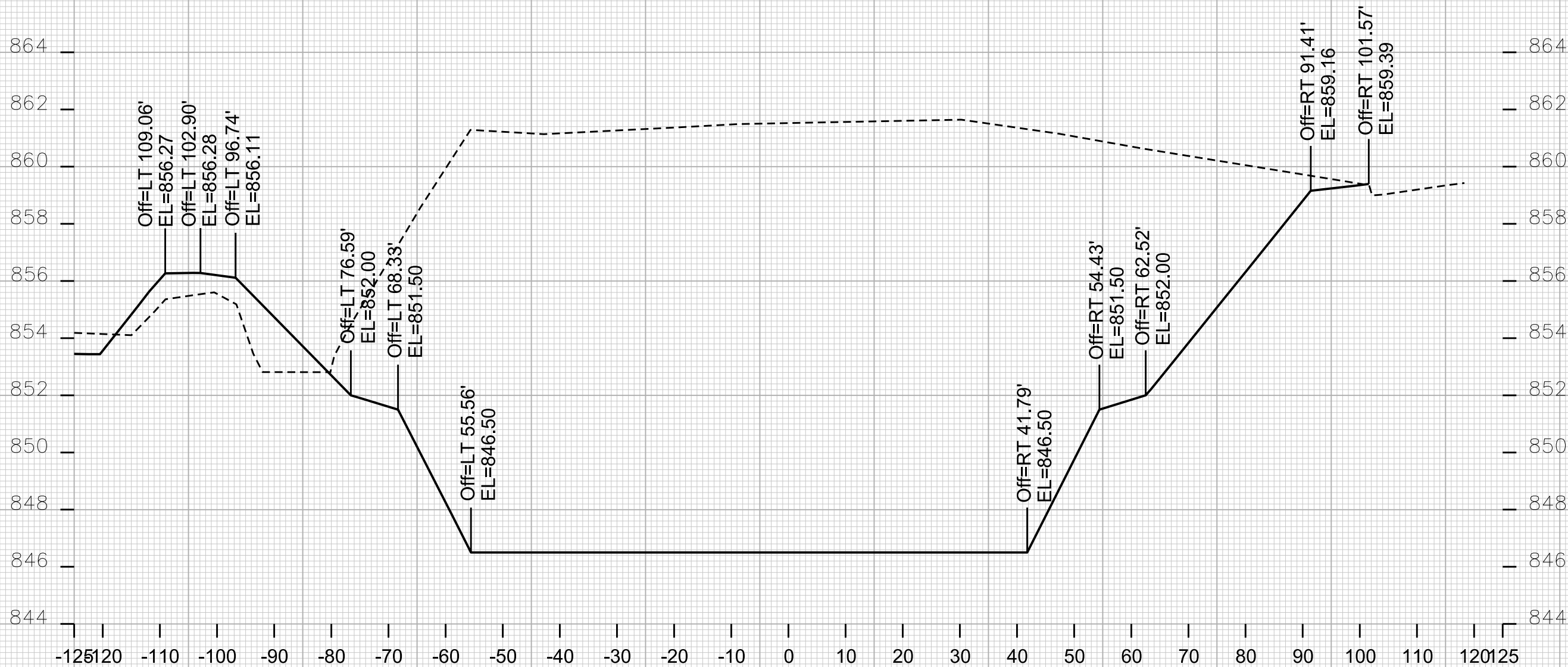
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

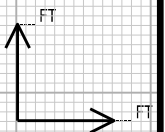
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 24+75



CROSS SECTIONS

POND

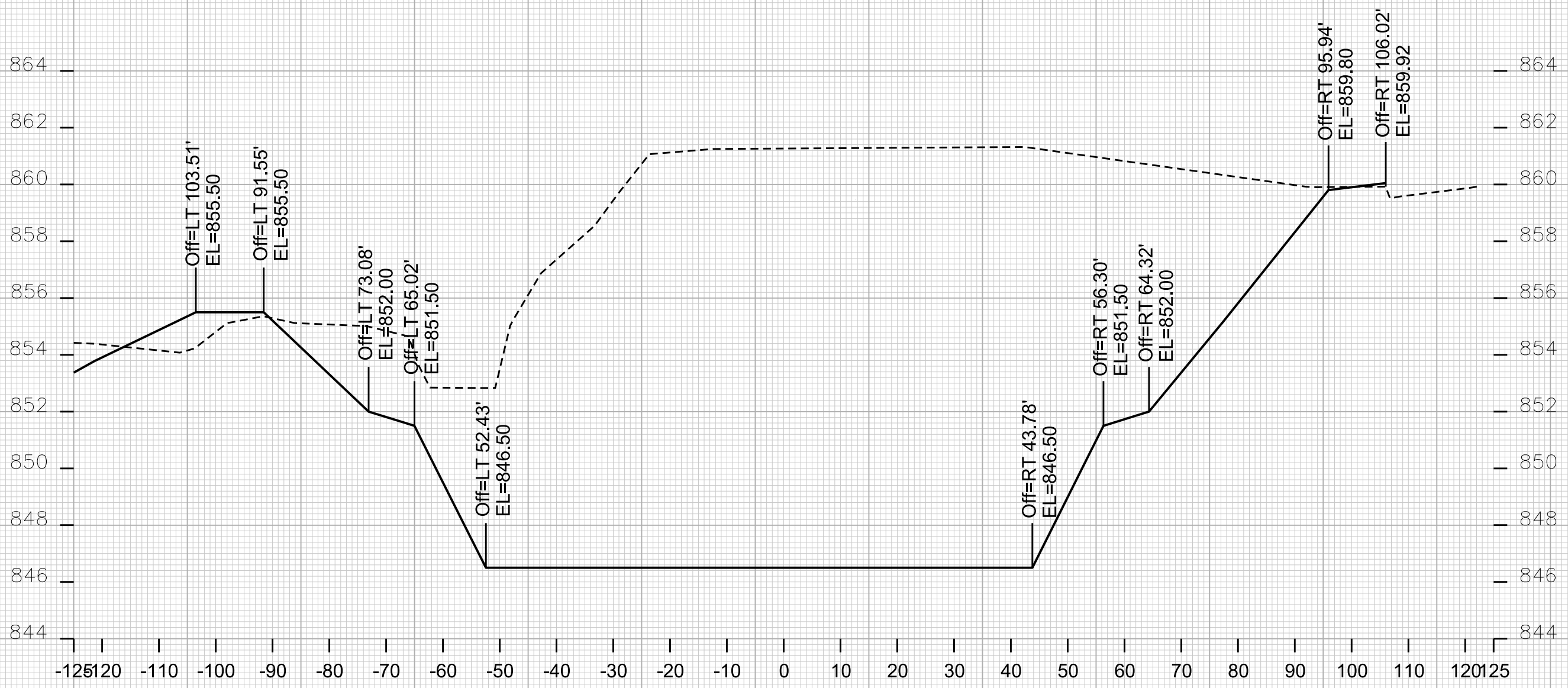
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

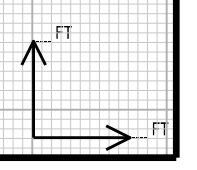
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 25+00



CROSS SECTIONS

POND

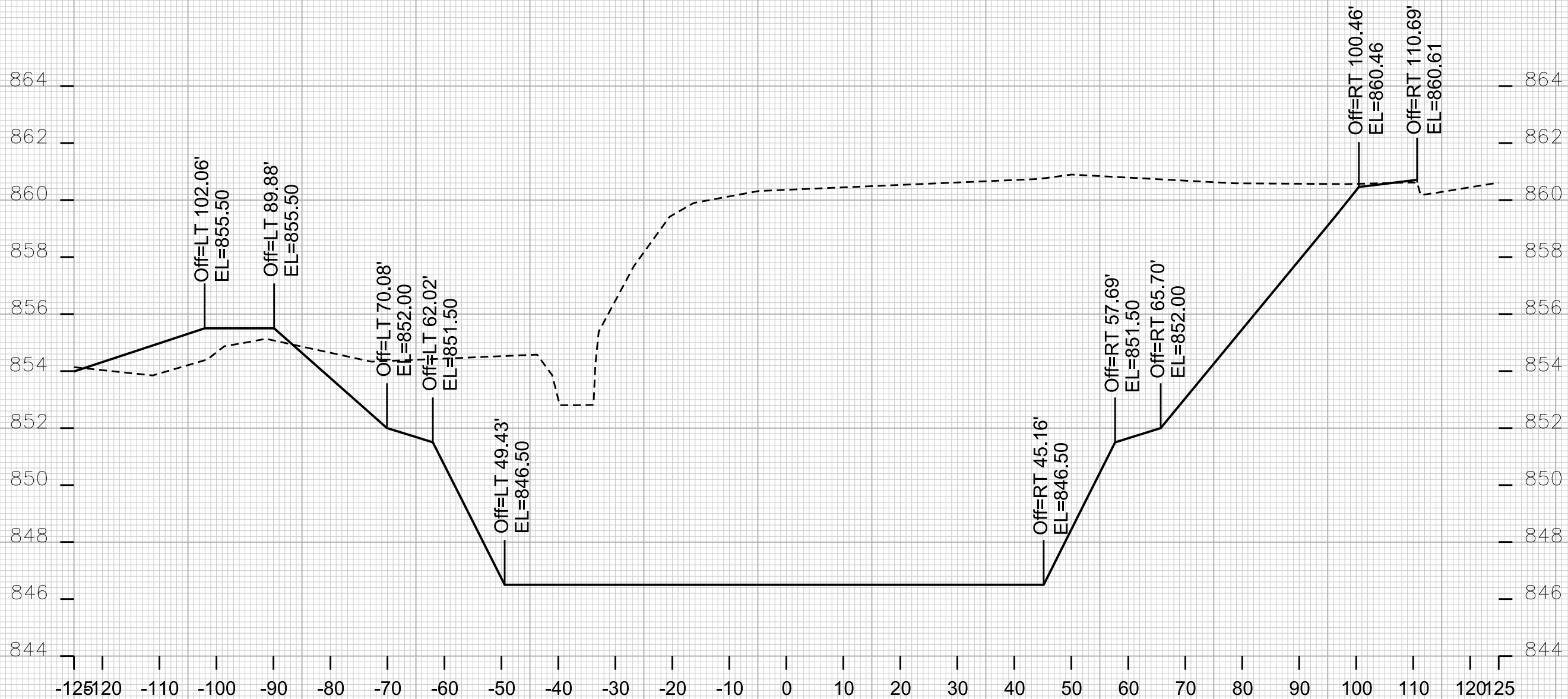
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

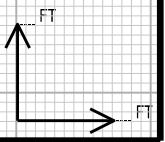
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REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 25+25





CROSS SECTIONS

POND

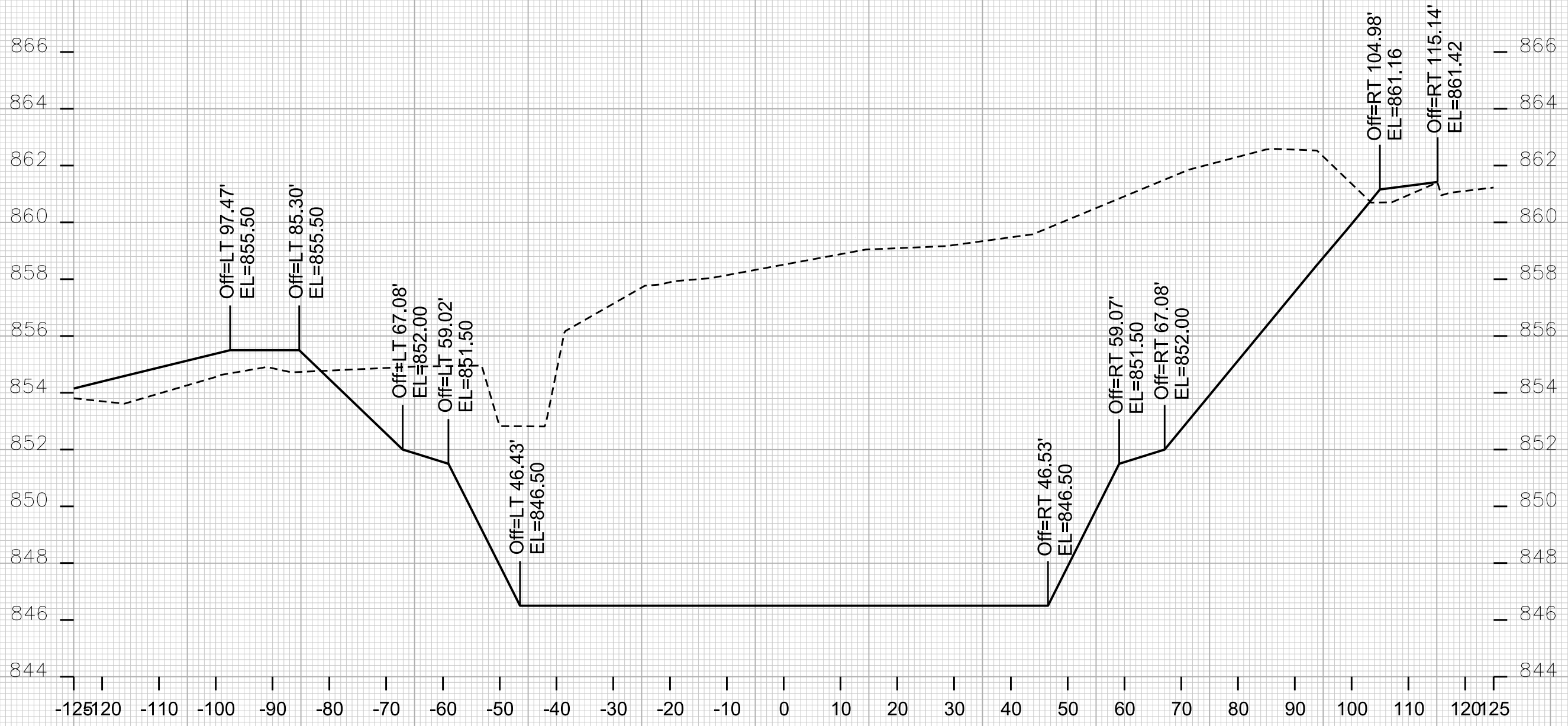
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

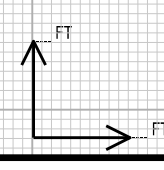
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 25+50



CROSS SECTIONS

POND

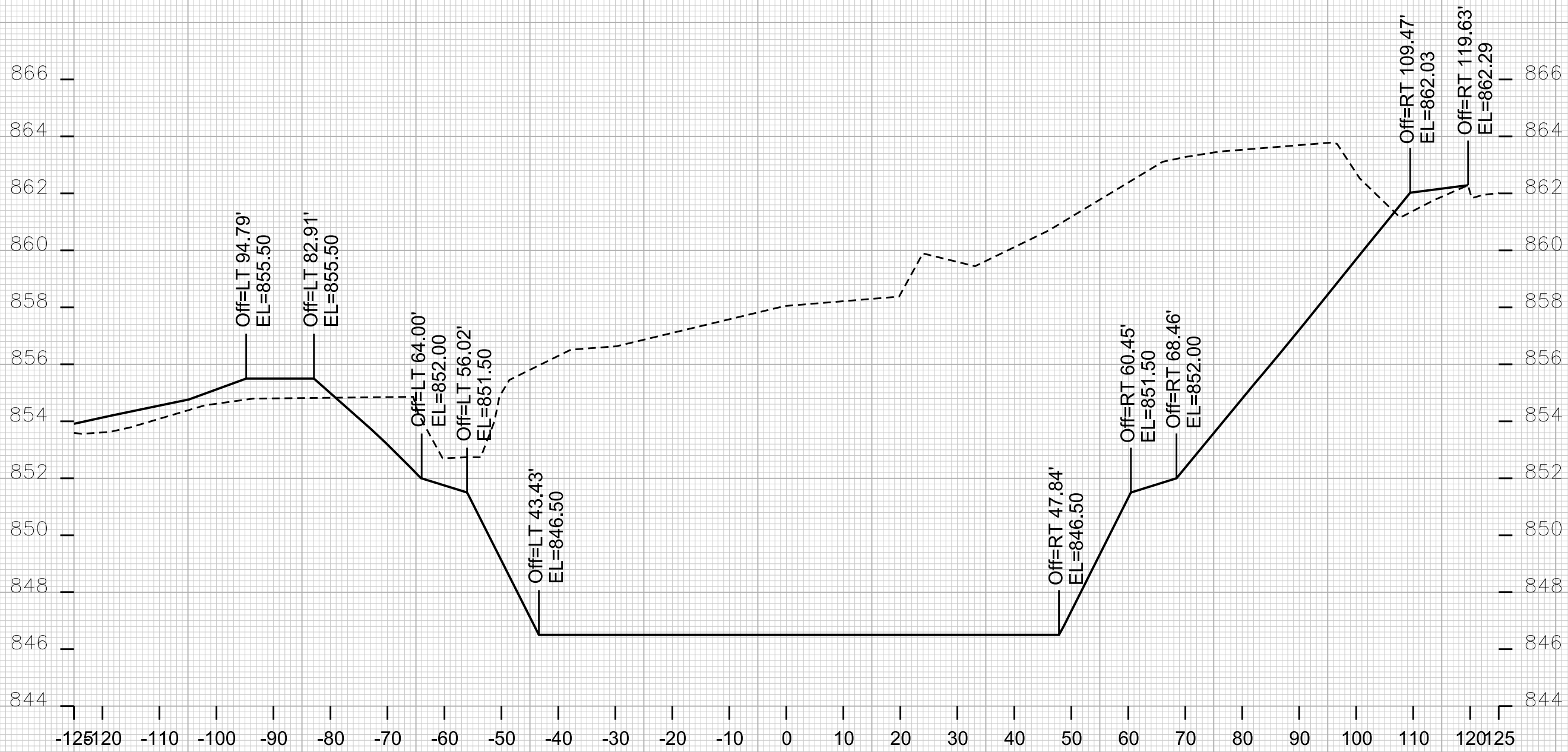
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

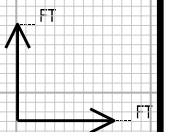
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 25+75



CROSS SECTIONS

POND

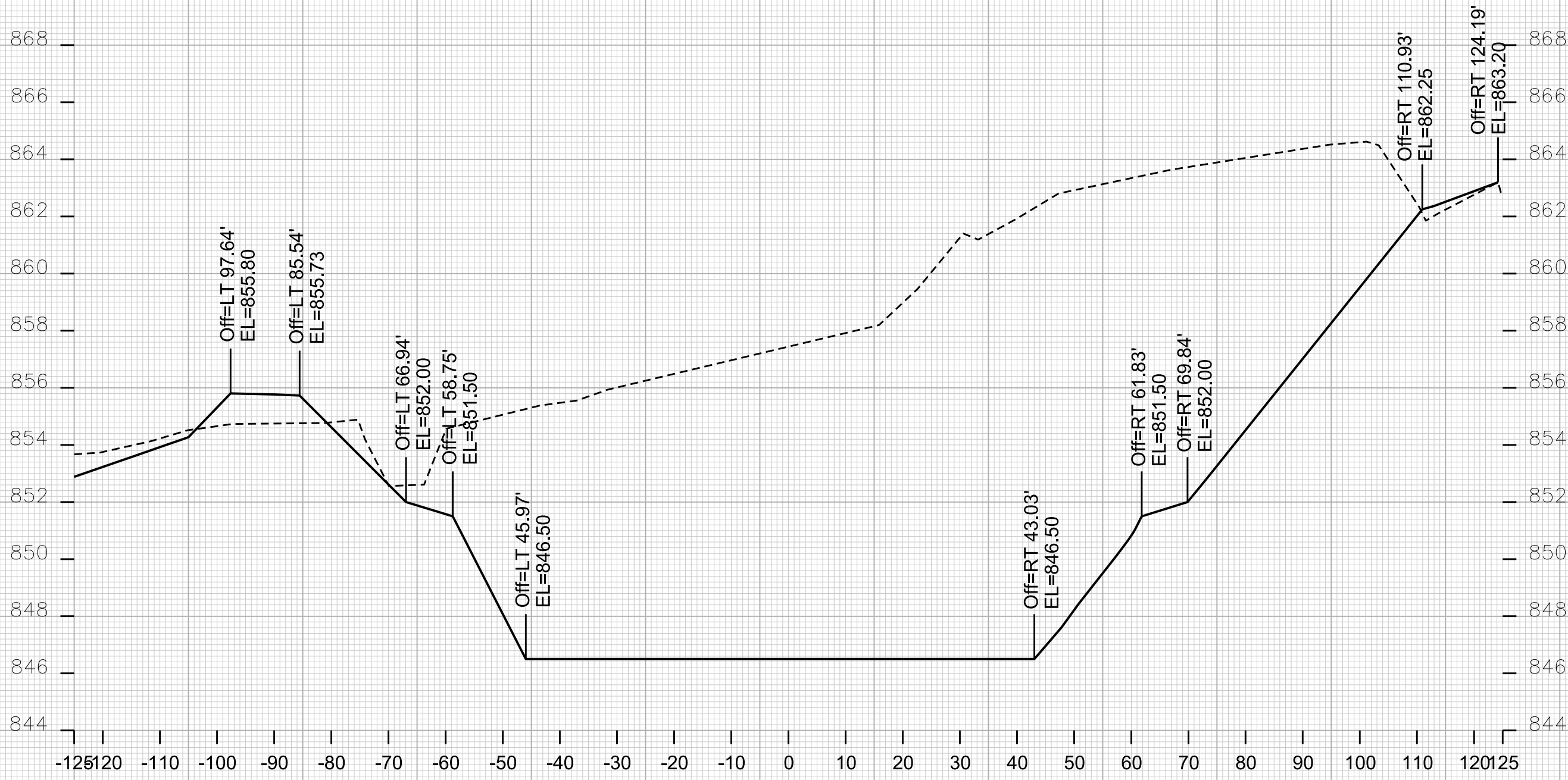
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

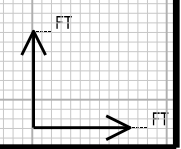
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 26+00



CROSS SECTIONS

POND

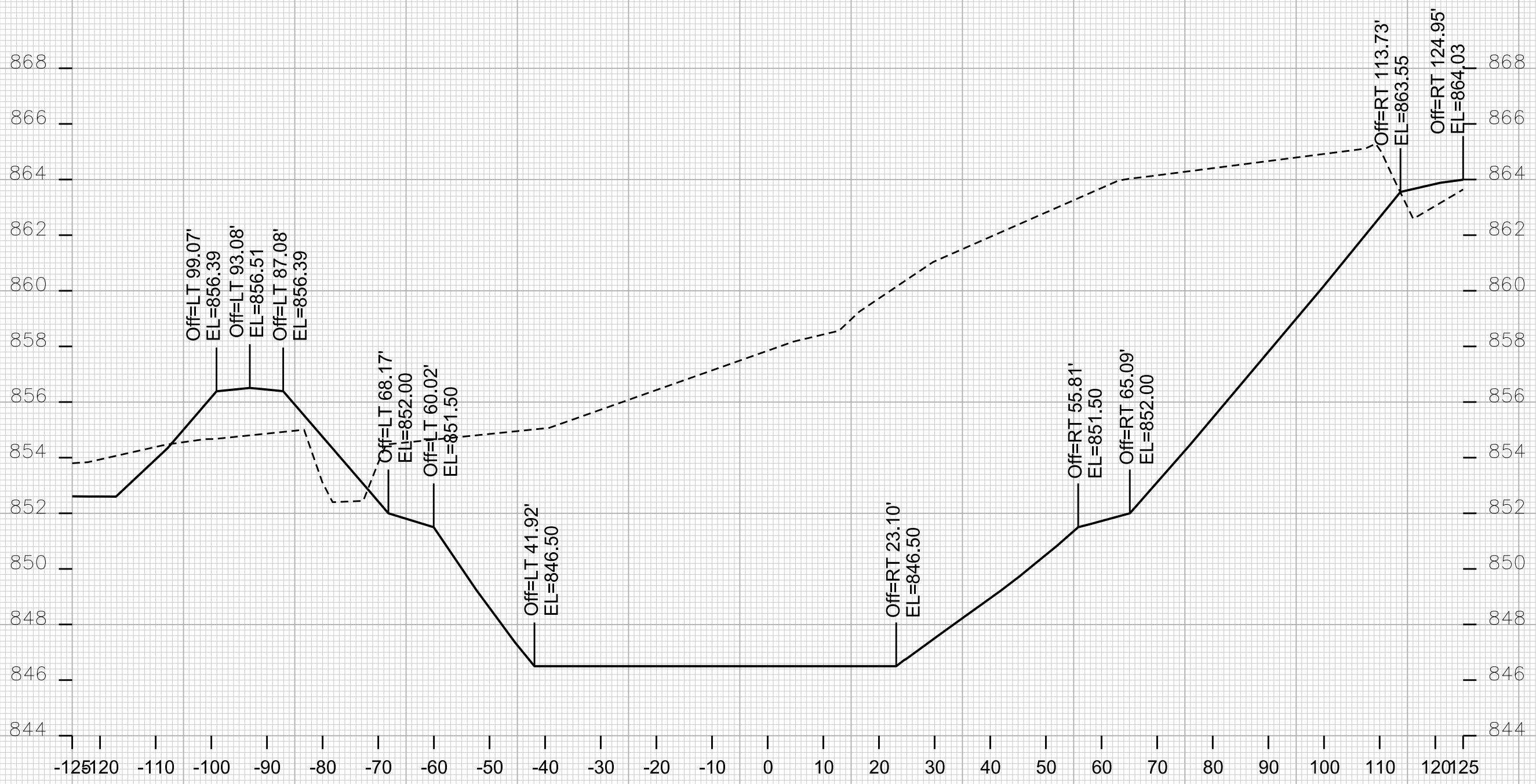
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

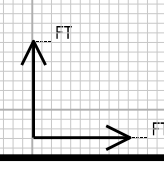
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REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 26+25



CROSS SECTIONS

POND

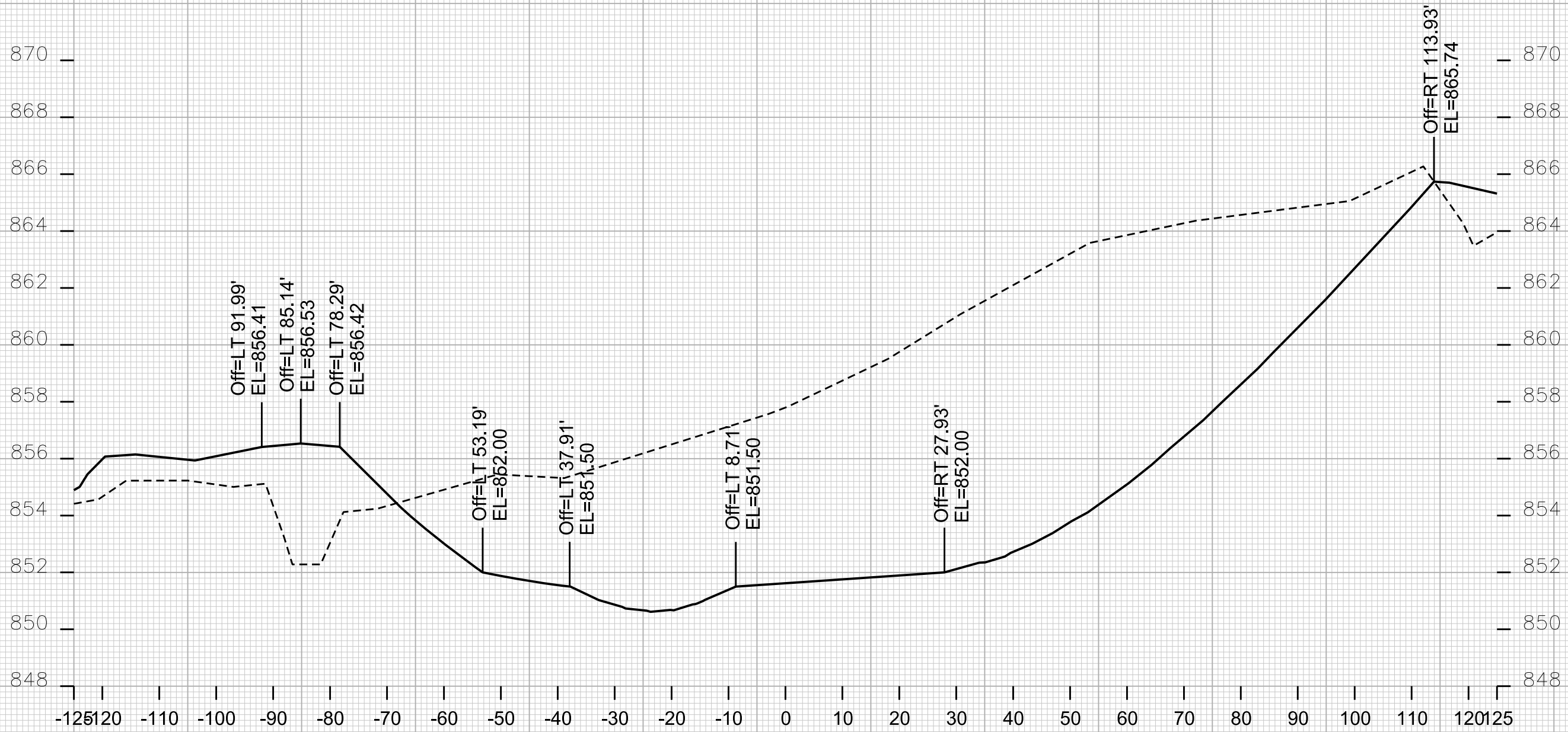
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

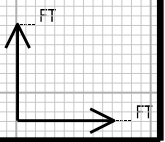
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 26+50



CROSS SECTIONS

POND

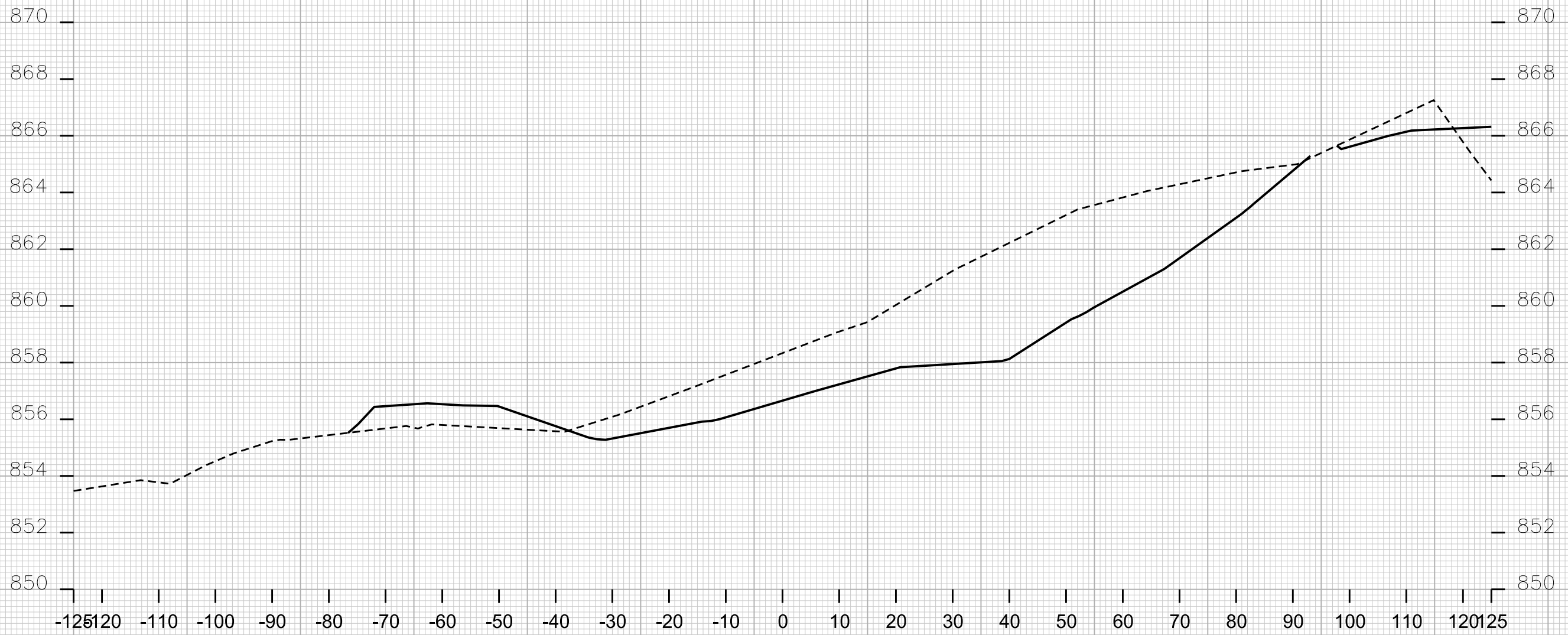
CITY OF MADISON

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 26+75

