

Madison, Wisconsin

CITY OF MADISON

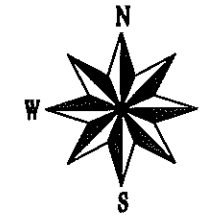
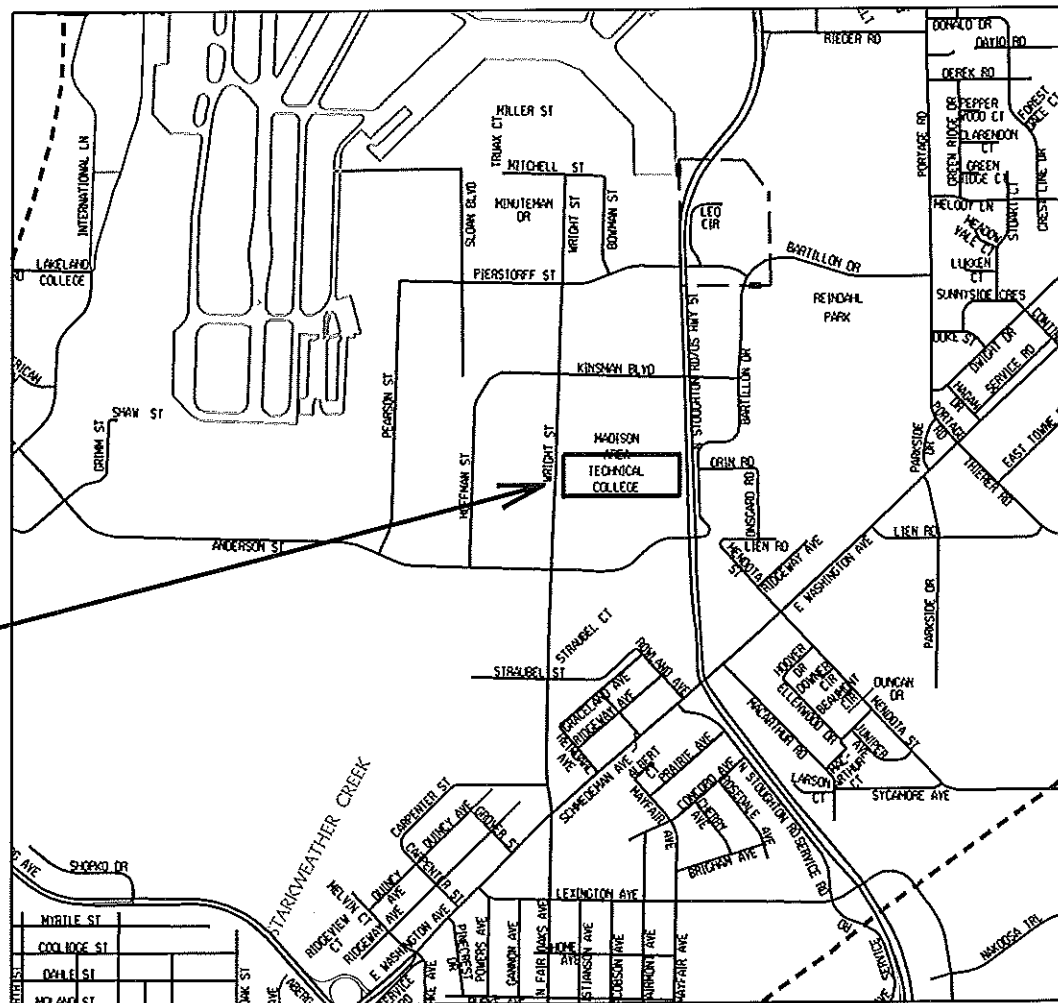
CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

MATC NORTH DITCH RESTORATION

CITY PROJECT NO. 53W1864 (MUNIS #10946)
CONTRACT NO. 7722



PROJECT
LOCATION

INDEX OF SHEETS

SHEET NO. 1	TITLE SHEET
SHEET NO. EC1-EC2	EROSION CONTROL PLAN
SHEET NO. D1	DETAILS
SHEET NO. P1-P3	PLAN & PROFILE
SHEET NO. X1-X16	MAIN CHANNEL CROSS-SECTIONS
SHEET NO. X17-X18	SIDE CHANNEL 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 - CHANNELS (MEASURED PLAN QUANTITY)	3,000 C.Y.
EXCAVATION CUT - UNDERCUT FOR CLAY LINER (INCIDENTAL TO LEAN CLAY-IMPORT)	712 C.Y.
EXCAVATION CUT - GRADE CONTROL STRUCTURE AND RIPRAP PLACEMENT (MEASURED AS PLAN QUANTITY)	334 C.Y.
TOTAL CUT	4,046 C.Y.

PUBLIC IMPROVEMENT PROJECT APPROVED

SEPTEMBER 16, 2015

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

[Signature] 4/7/16
City Engineer Date

GREENWAY AND STORM SEWER
APPROVED BY:



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CONSTRUCTION METHODS:

- 1) THE CONTRACTOR WILL START WORK AT THE DOWNSTREAM END OF THE CHANNEL.
- 2) A STONE DITCH CHECK WILL BE INSTALLED IMMEDIATELY UPSTREAM OF THE SILT FENCE.
- 3) THE CONTRACTOR SHALL WORK THEIR WAY UPSTREAM BY INSTALLING GRADE CONTROL STRUCTURES AND DREDGING BETWEEN THEM, THUS USING THEM AS BOTH DITCH CHECKS AND FLOW CONTROL.
- 4) THE CONTRACTOR MAY ELECT TO DEWATER THE SECTION OF CHANNEL IN WHICH THEY ARE WORKING BY PUMPING WATER IN THE DOWNSTREAM SECTION. DITCH CHECK OR GRADE CONTROL STRUCTURES WILL BE USED TO SETTLE SEDIMENT FROM ANY PUMPED WATER. IF WATER IS TO BE PUMPED DOWNSTREAM OF ALL DITCH CHECKS, SEDIMENT SHALL BE REMOVED BY APPROVED MEANS.

THE CONTRACTOR SHALL INSTALL CONSTRUCTION ENTRANCES IF THEY PLAN TO ACCESS THE SITE FROM NON-PAVED AREAS.

AREA TO BE TOPSOILED, SEED WITH NATIVE GRASSES, AND STABILIZED WITH ECRM CLASS II, TYPE C

GRADE CONTROL STRUCTURE (TYP.)

GRADING LIMITS

DITCH/STANDING WATER

STONE DITCH CHECK

RIPRAP TO BE PLACED AT EXISTING CURB CUT (TYP)

RIPRAP TO BE PLACED AT EXISTING CURB CUT (TYP)

EROSION CONTROL NOTES:

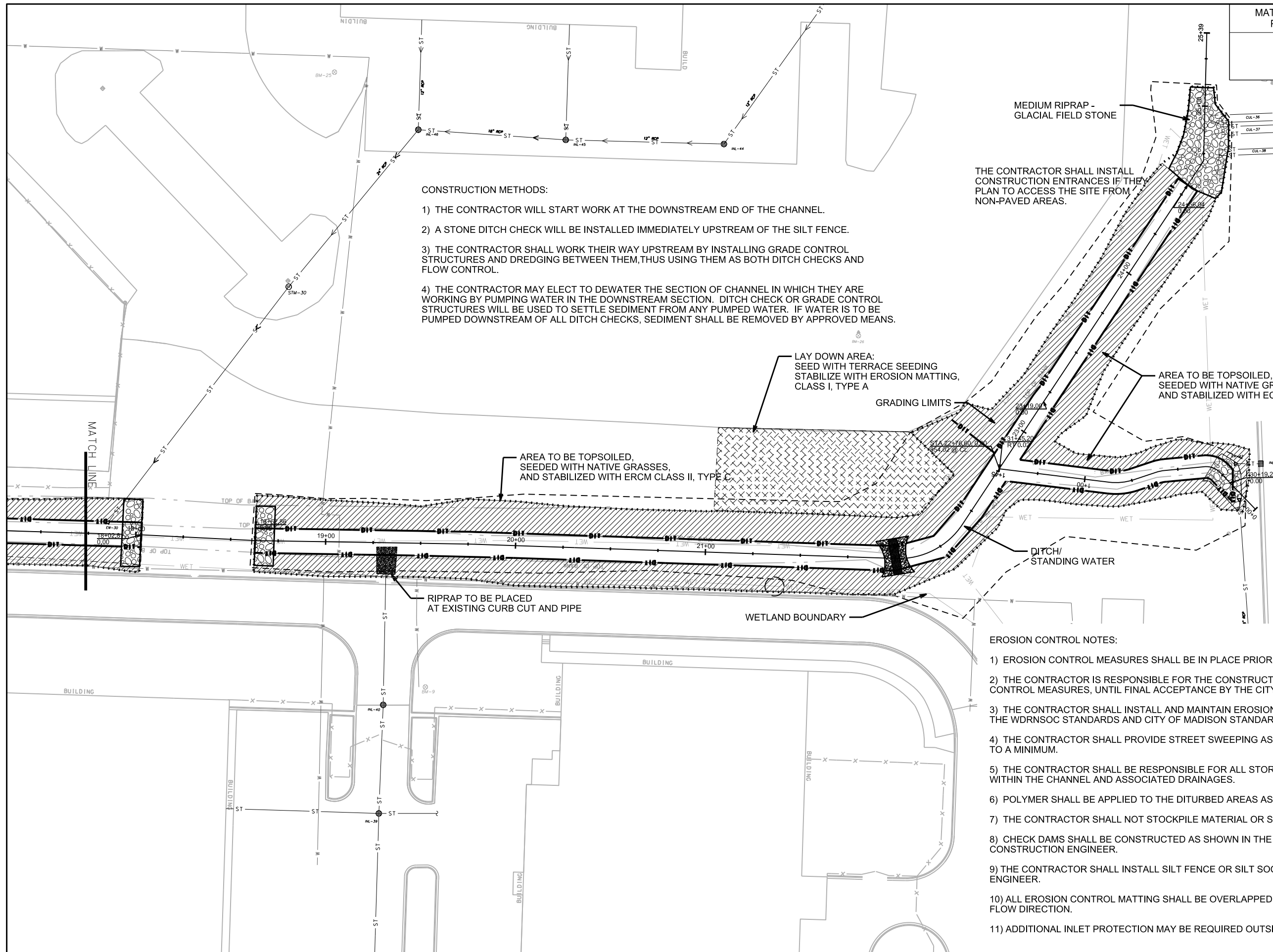
- 1) EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES.
- 2) THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES, UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.
- 3) THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDRNSOC 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 DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.
- 7) THE CONTRACTOR SHALL NOT STOCKPILE MATERIAL OR STORE EQUIPMENT WITHIN THE CHANNEL.
- 8) CHECK DAMS SHALL BE CONSTRUCTED AS SHOWN IN THE PLAN SET, OR AS DIRECTED BY THE CONSTRUCTION ENGINEER.
- 9) THE CONTRACTOR SHALL INSTALL SILT FENCE OR SILT SOCK AT THE DIRECTION OF THE CONSTRUCTION ENGINEER.
- 10) ALL EROSION CONTROL MATTING SHALL BE OVERLAPPED IN A MANNER THAT CORRESPONDS WITH THE FLOW DIRECTION.
- 11) ADDITIONAL INLET PROTECTION MAY BE REQUIRED OUTSIDE THE LIMITS OF THIS SHEET.

PLOT SCALE: _____

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MEDIUM RIPRAP -
GLACIAL FIELD STONE

THE CONTRACTOR SHALL INSTALL
CONSTRUCTION ENTRANCES IF THEY
PLAN TO ACCESS THE SITE FROM
NON-PAVED AREAS.

LAY DOWN AREA:
SEED WITH TERRACE SEEDING
STABILIZE WITH EROSION MATTING,
CLASS I, TYPE A

AREA TO BE TOPSOILED,
SEEDED WITH NATIVE GRASSES,
AND STABILIZED WITH ECRM CLASS II, TYPE C

AREA TO BE TOPSOILED,
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RIPRAP TO BE PLACED
AT EXISTING CURB CUT AND PIPE

DITCH/
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WETLAND BOUNDARY

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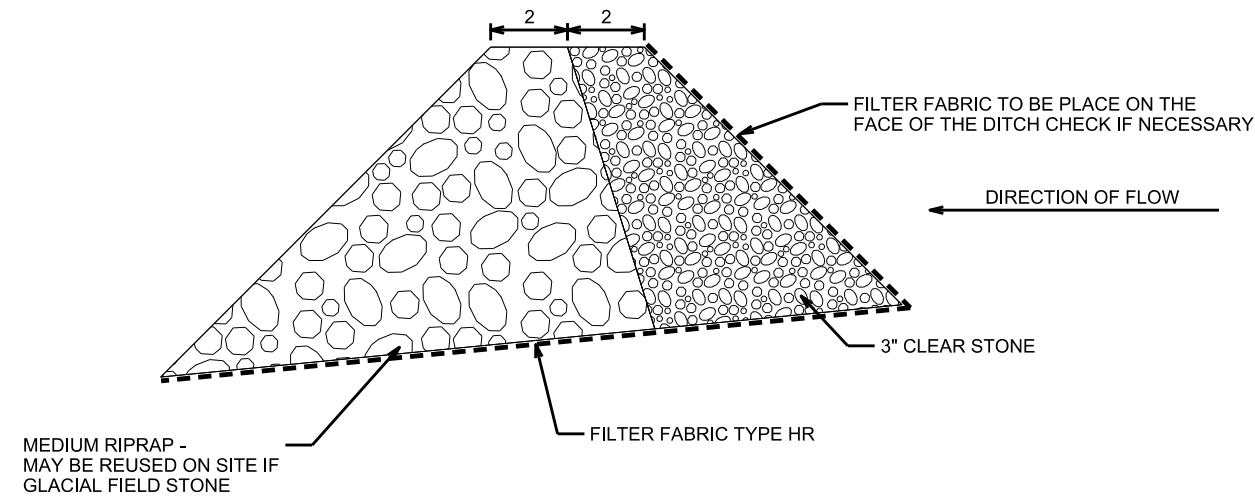
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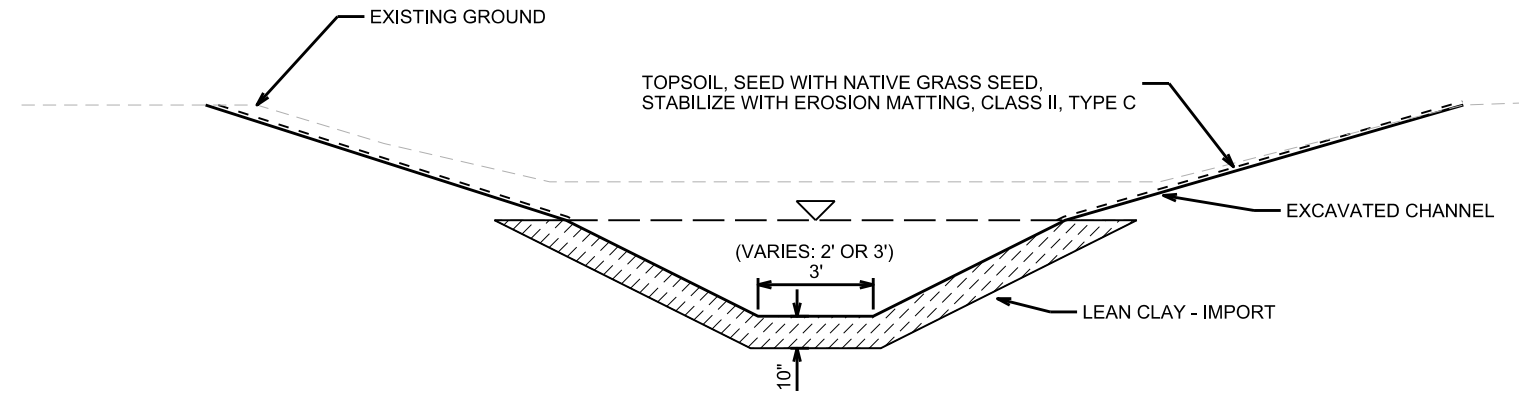
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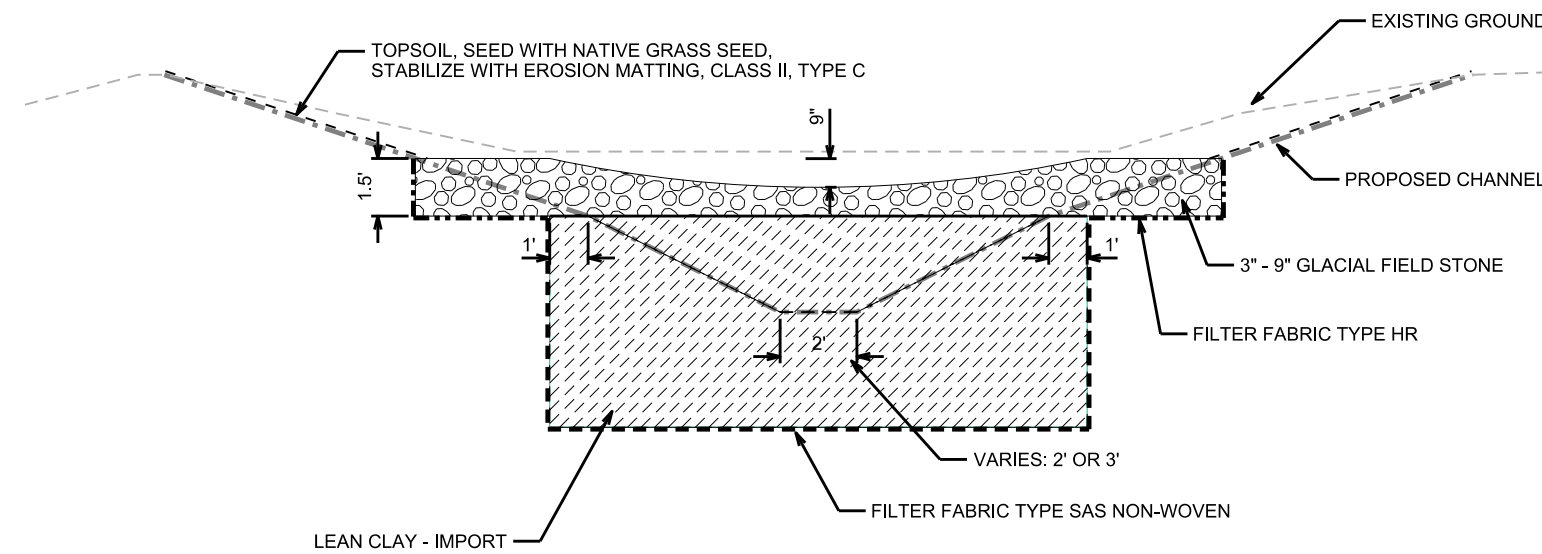
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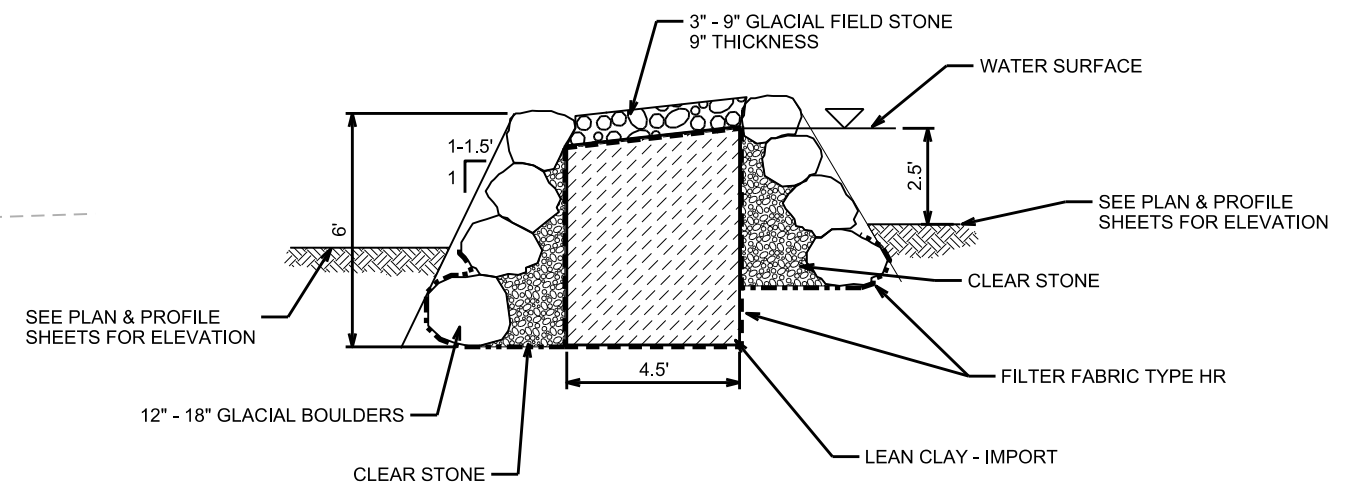
DITCH CHECK



CHANNEL - CROSS SECTION VIEW



GRADE CONTROL STRUCTURE - CROSS SECTION VIEW



NOTE:
THE CLEAR STONE IS FOR EASE OF STONE PLACEMENT. THE CONTRACTOR MAY CHOOSE TO ALTER THE LIMITS OF THE CLAY FILL TO CREATE AN APPROPRIATE SLOPE.

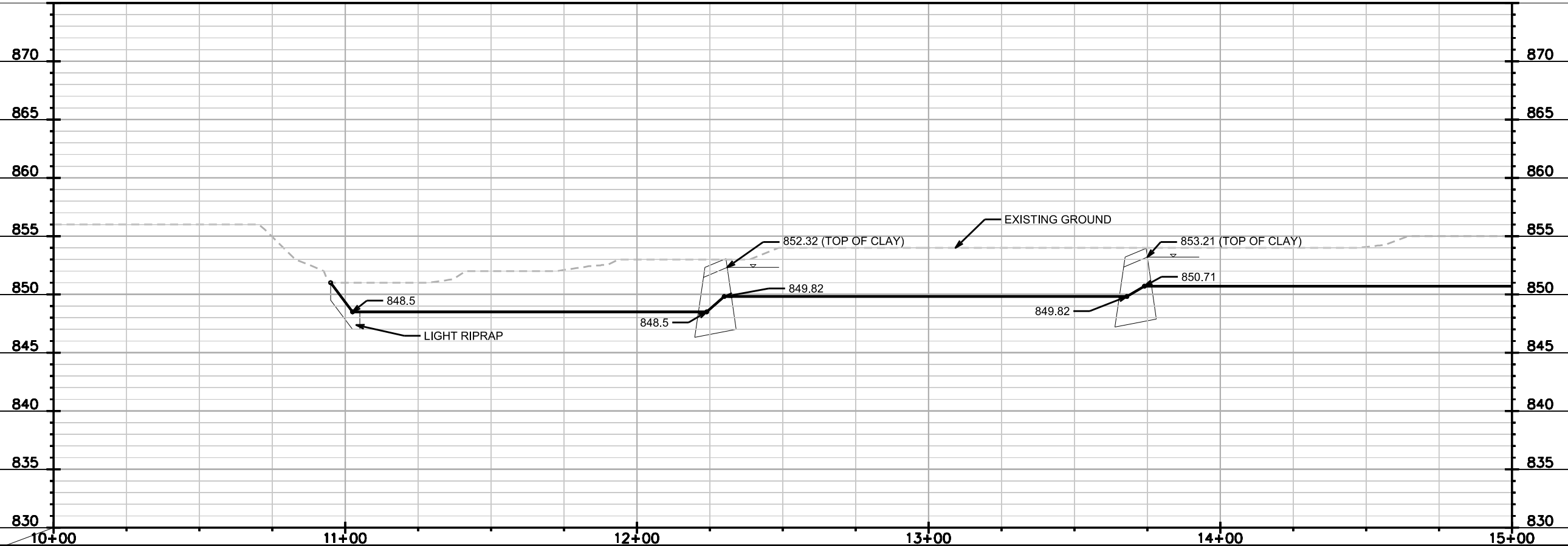
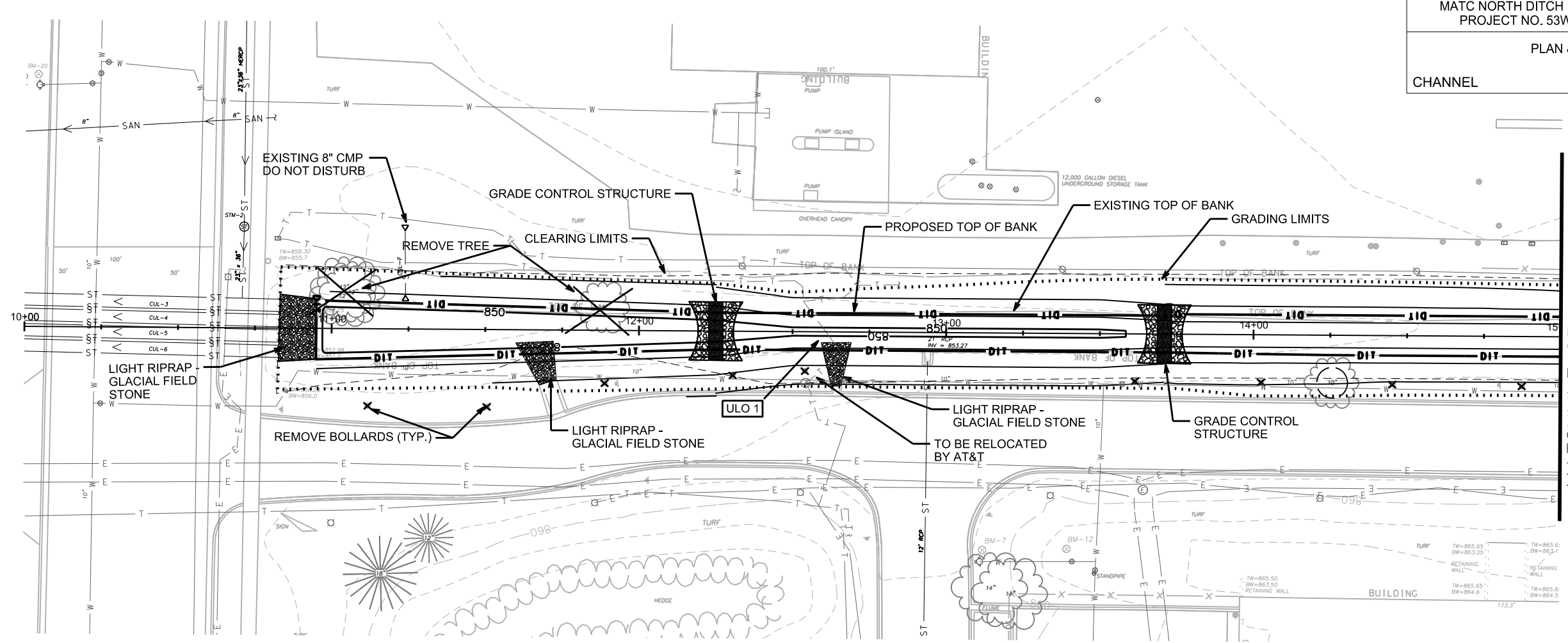
GRADE CONTROL STRUCTURE - PROFILE VIEW

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

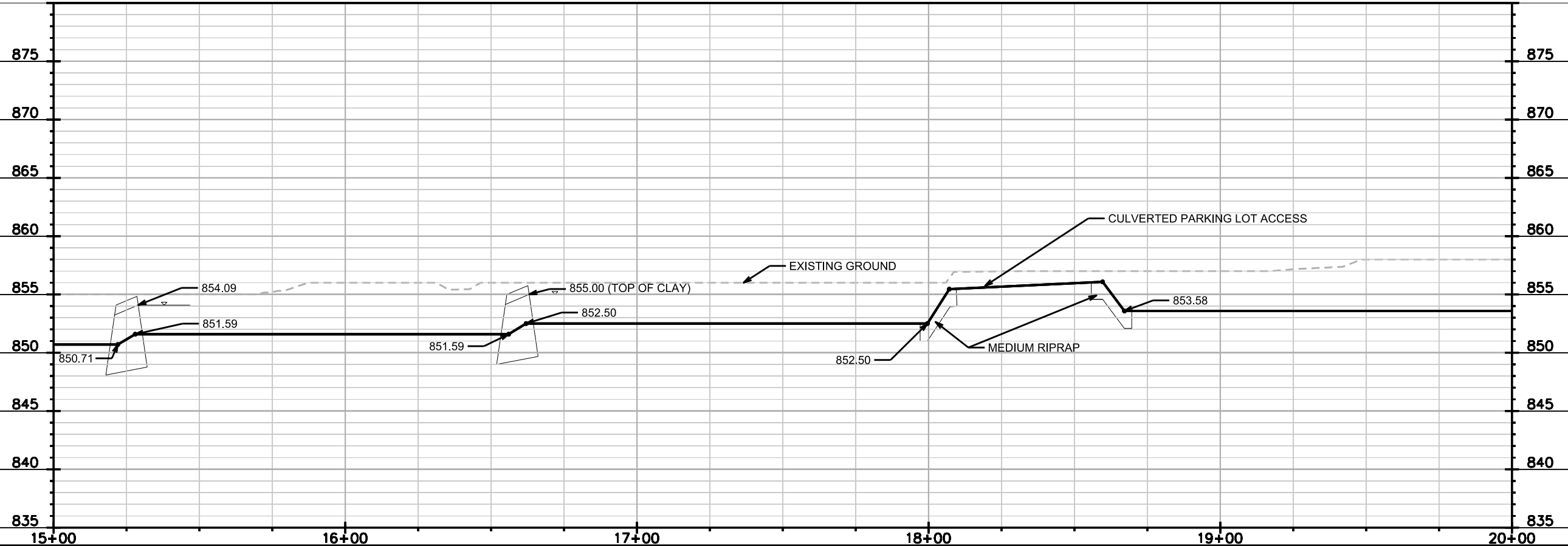
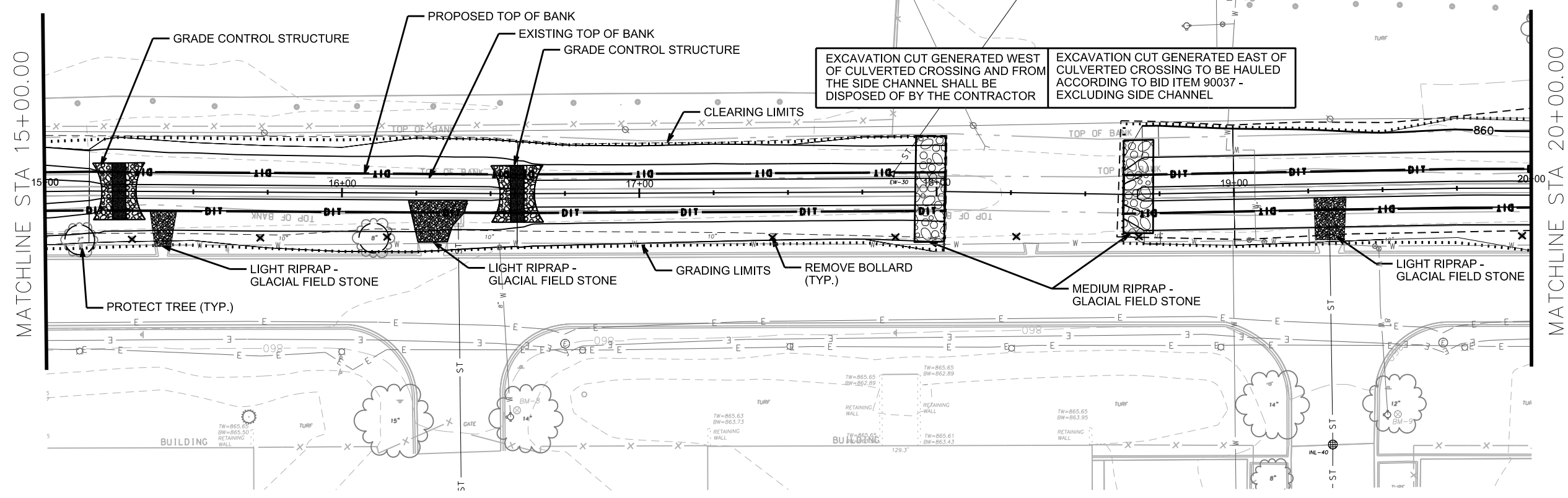
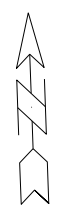


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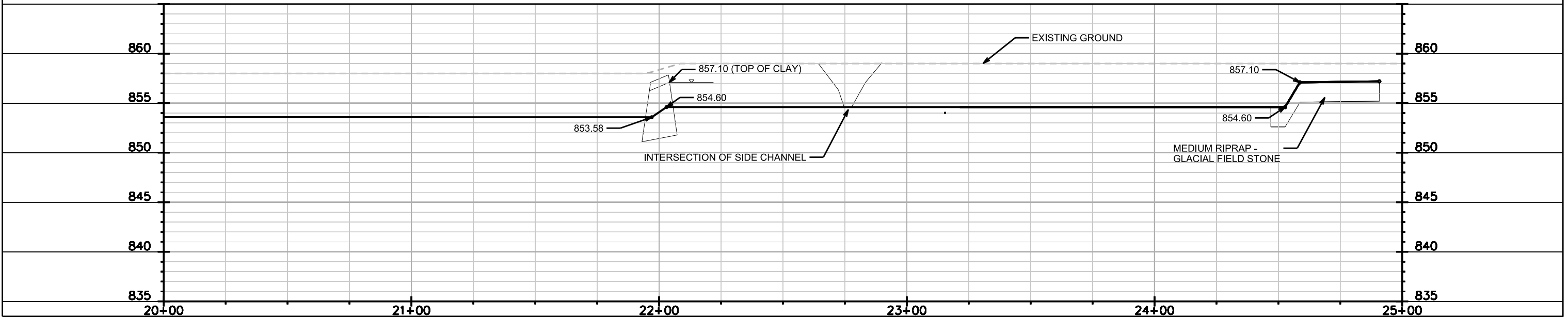
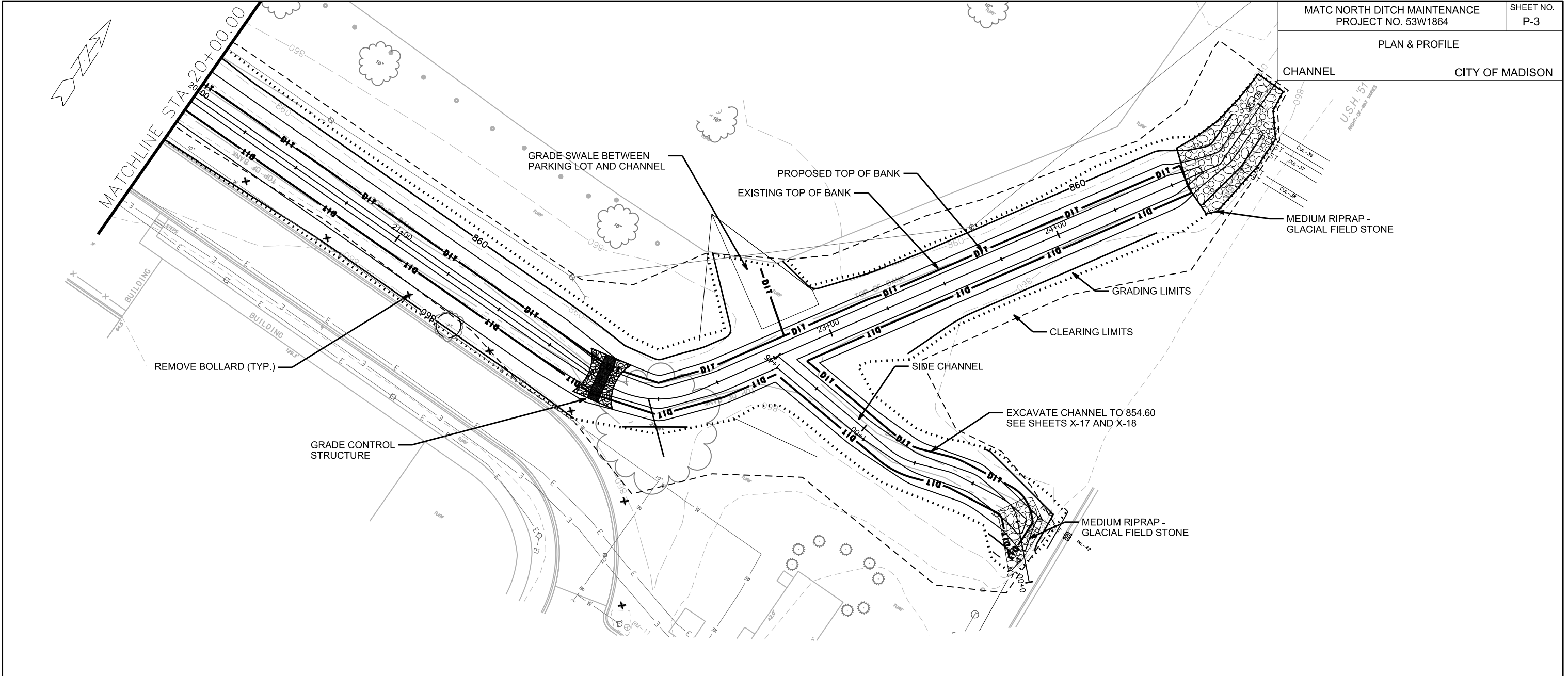


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CROSS SECTIONS

MAIN CHANNEL

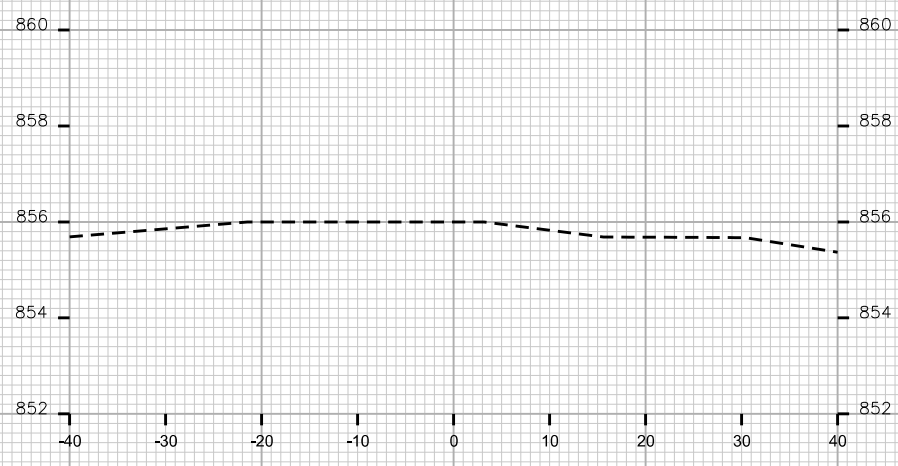
CITY OF MADISON

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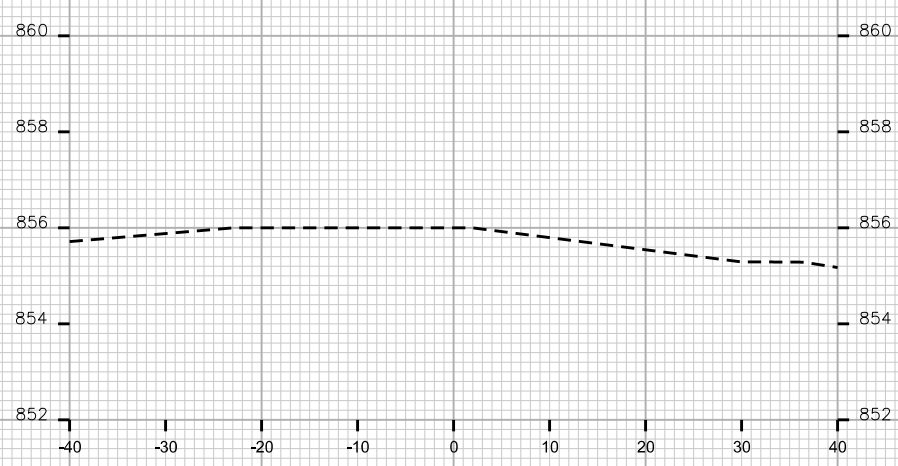
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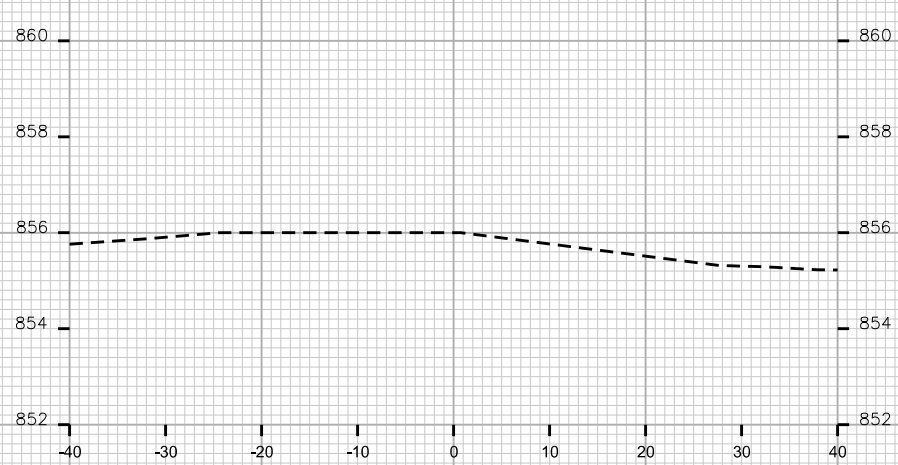
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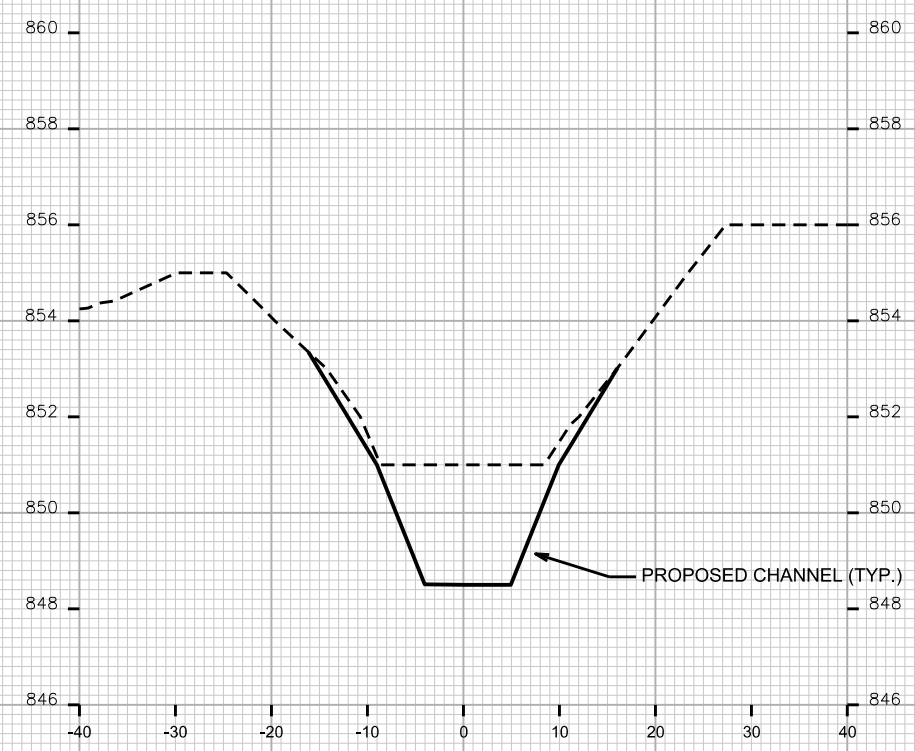
STA. 10+50



STA. 10+25



STA. 10+00



STA. 11+00



STA. 10+75



CROSS SECTIONS

MAIN CHANNEL

CITY OF MADISON

PLOT SCALE: _____

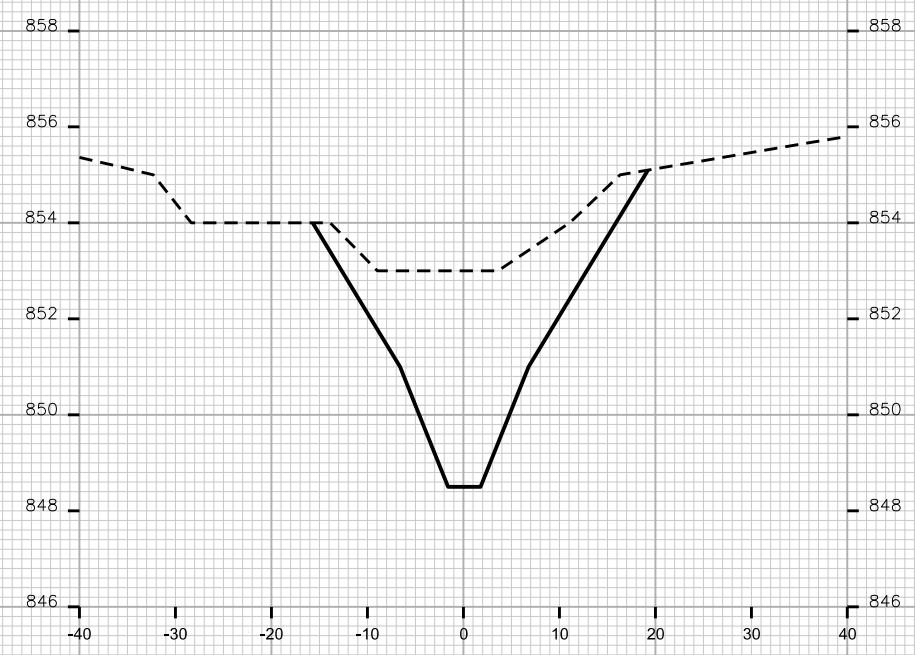
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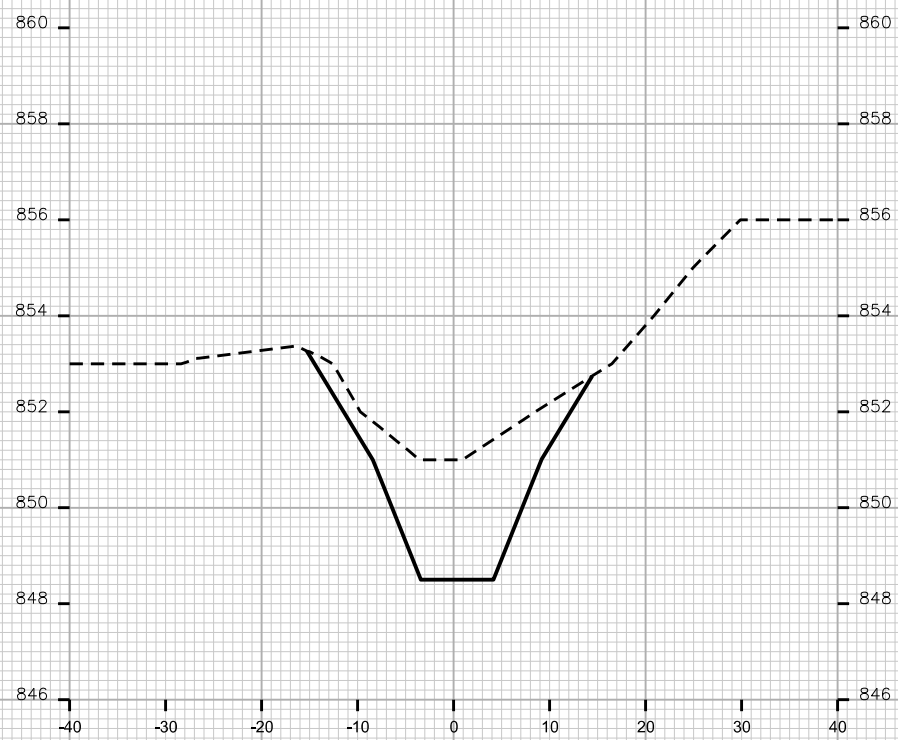
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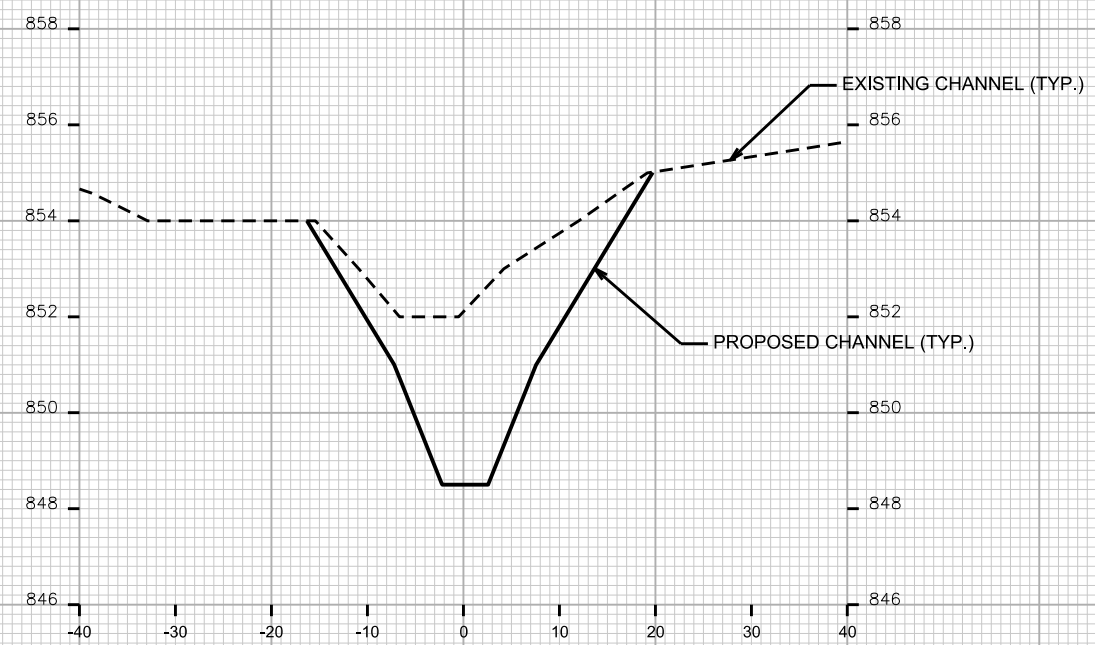
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STA. 12+00



STA. 11+25



STA. 11+75



CROSS SECTIONS

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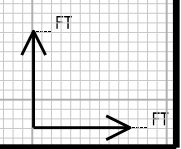
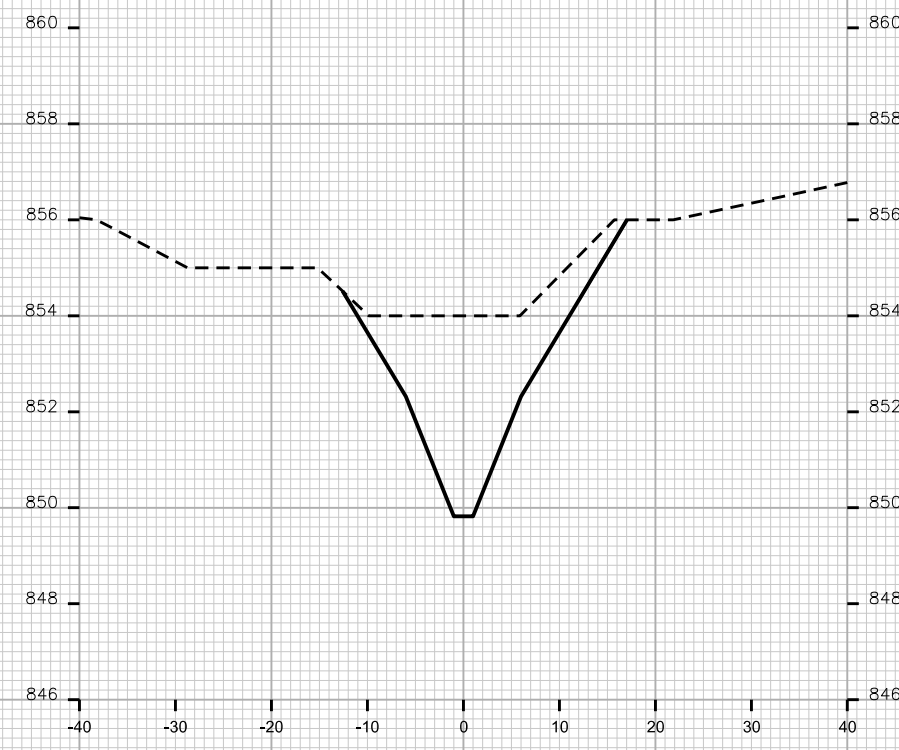
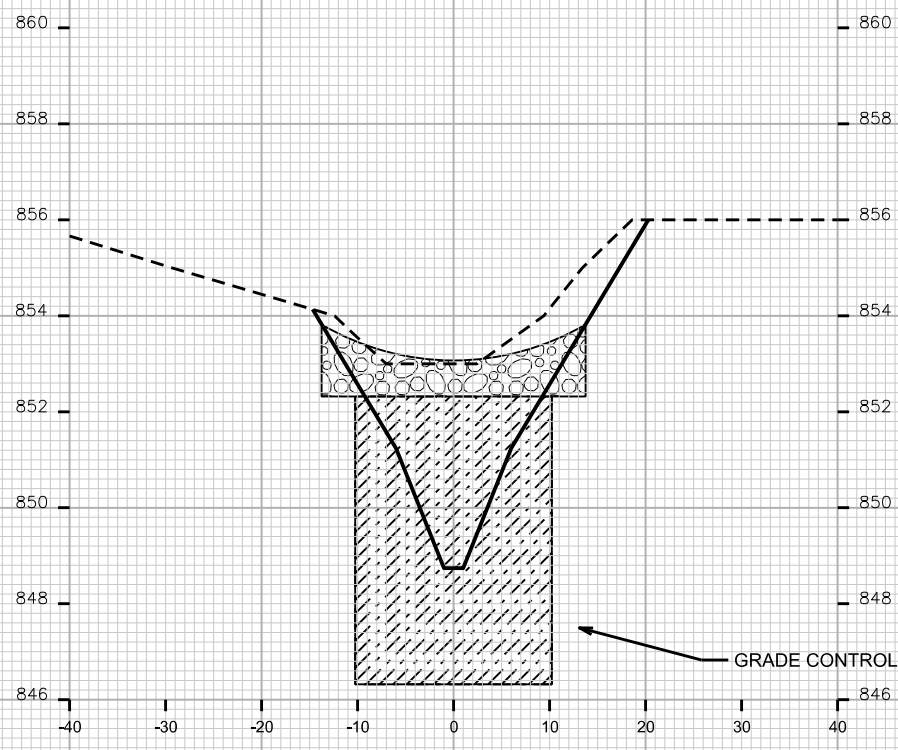
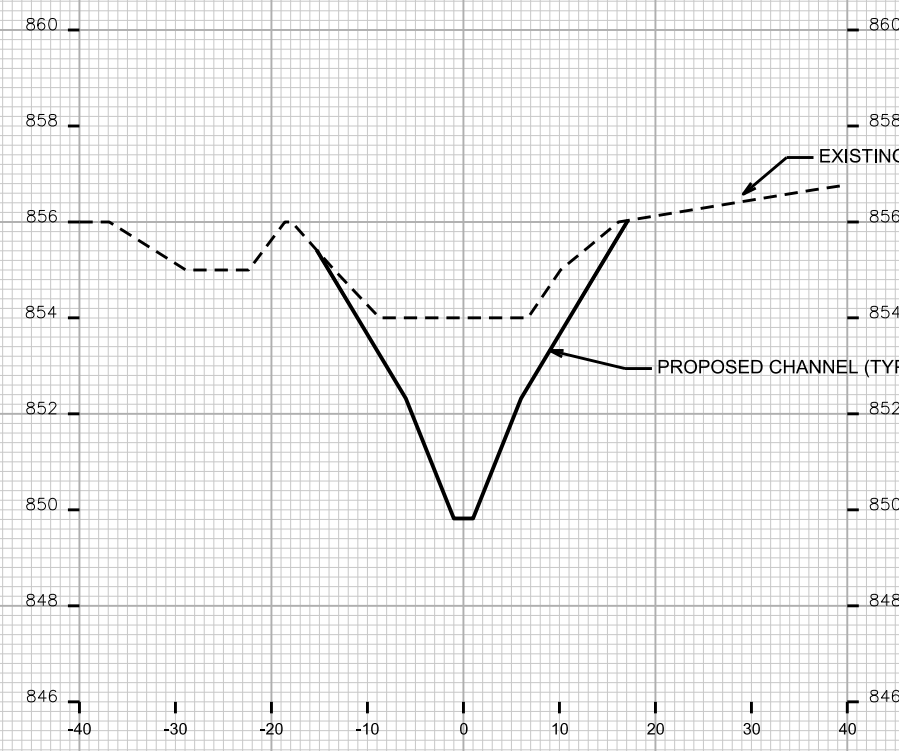
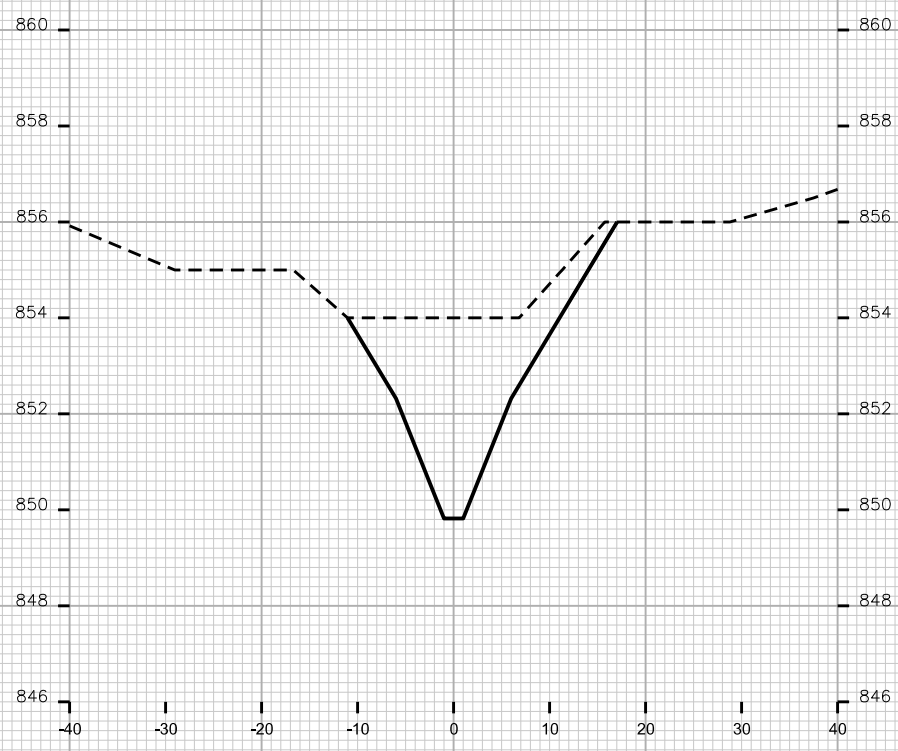
CITY OF MADISON

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CROSS SECTIONS

MAIN CHANNEL

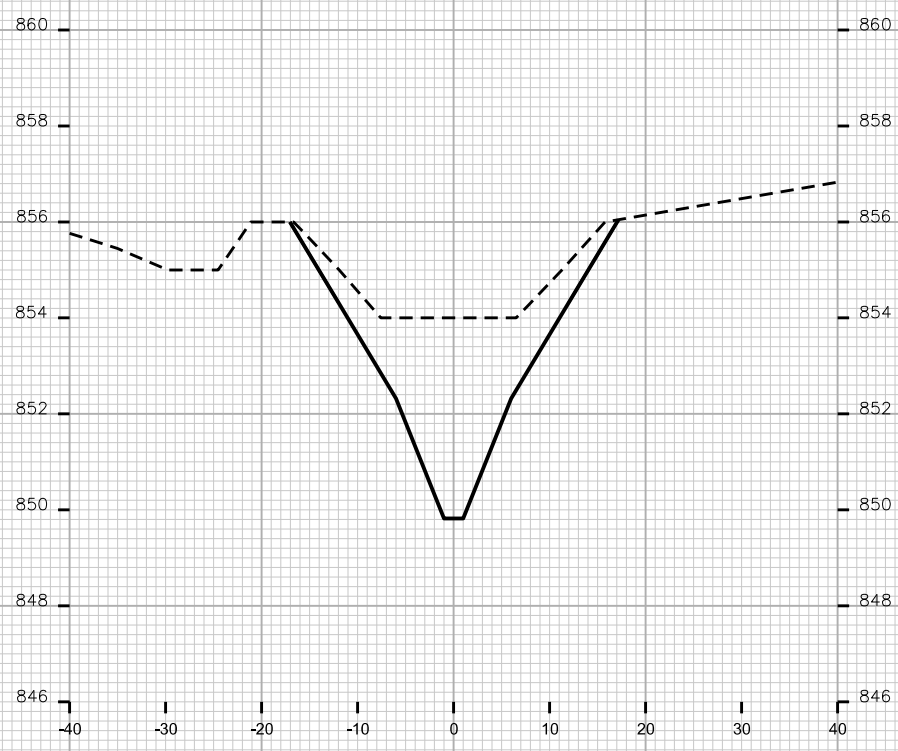
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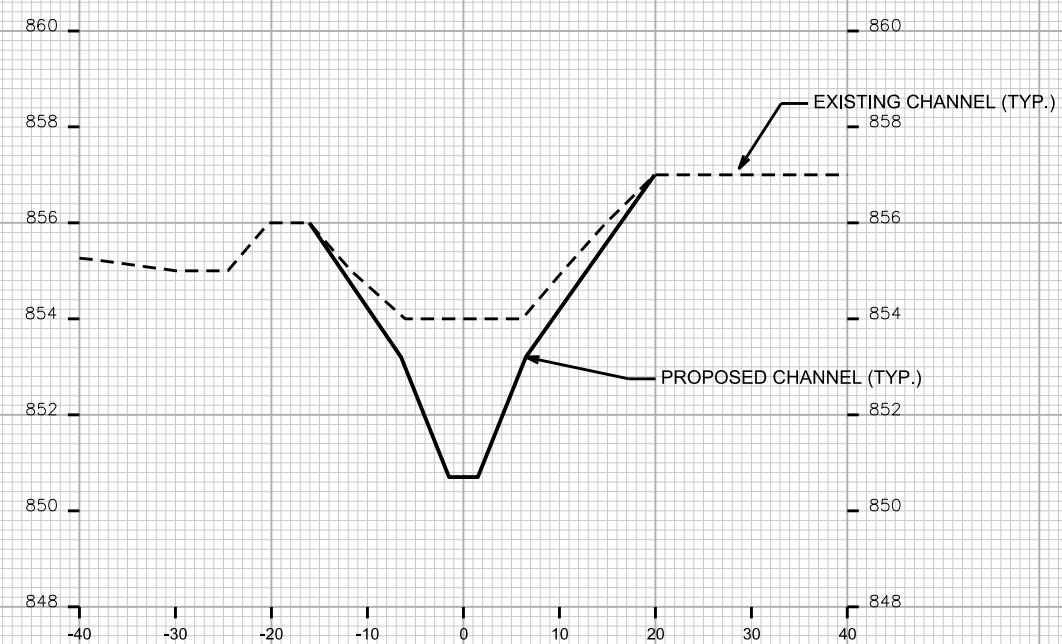
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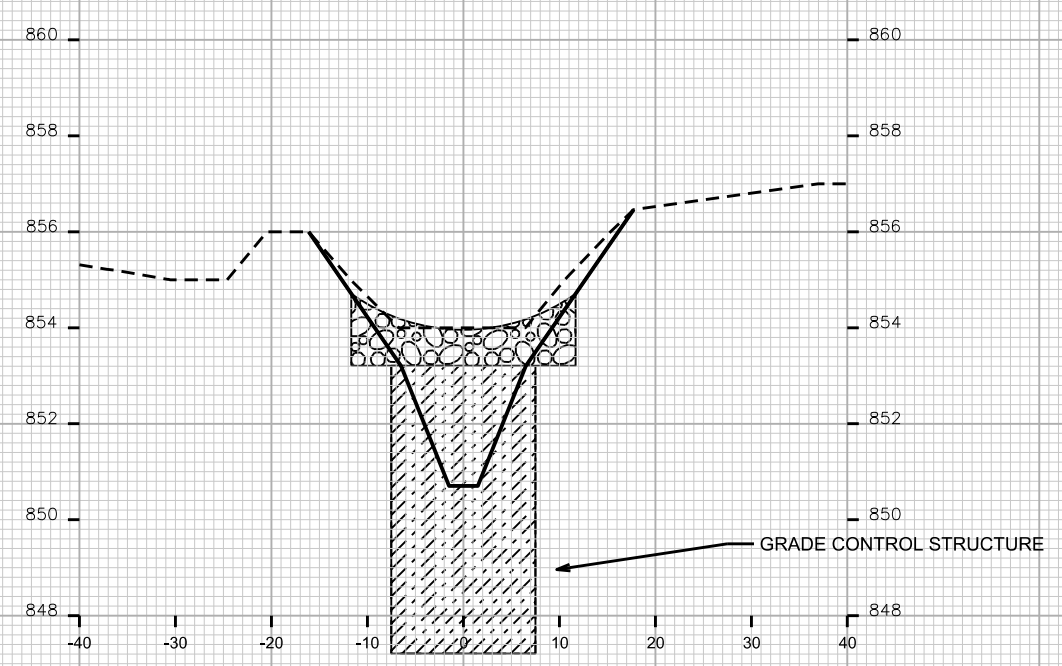
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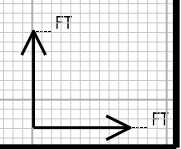
STA. 14+00



STA. 13+25



STA. 13+75



CROSS SECTIONS

MAIN CHANNEL

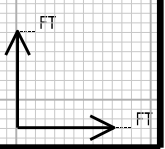
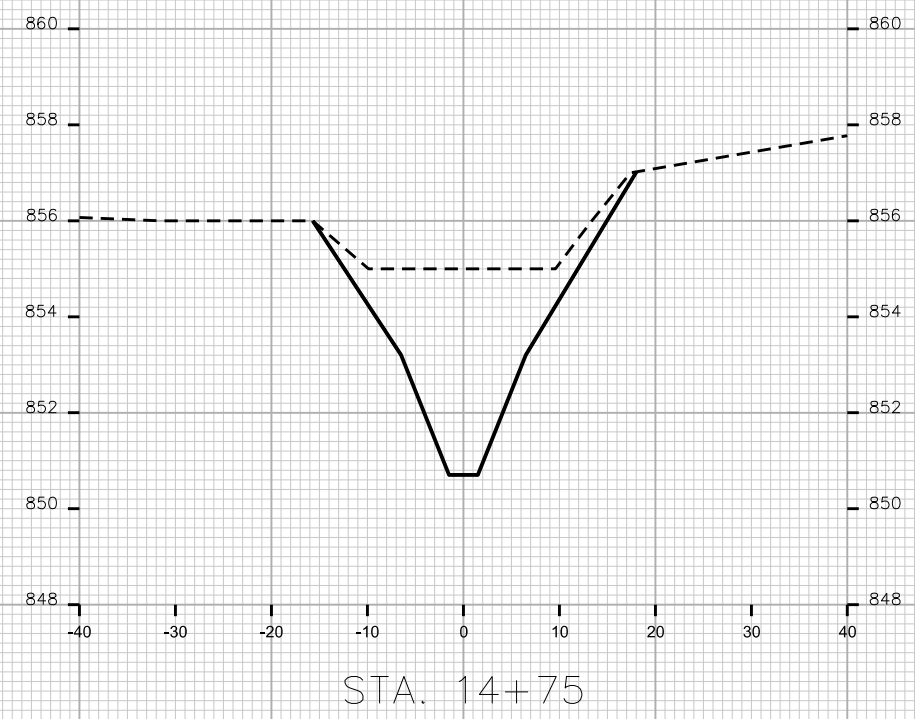
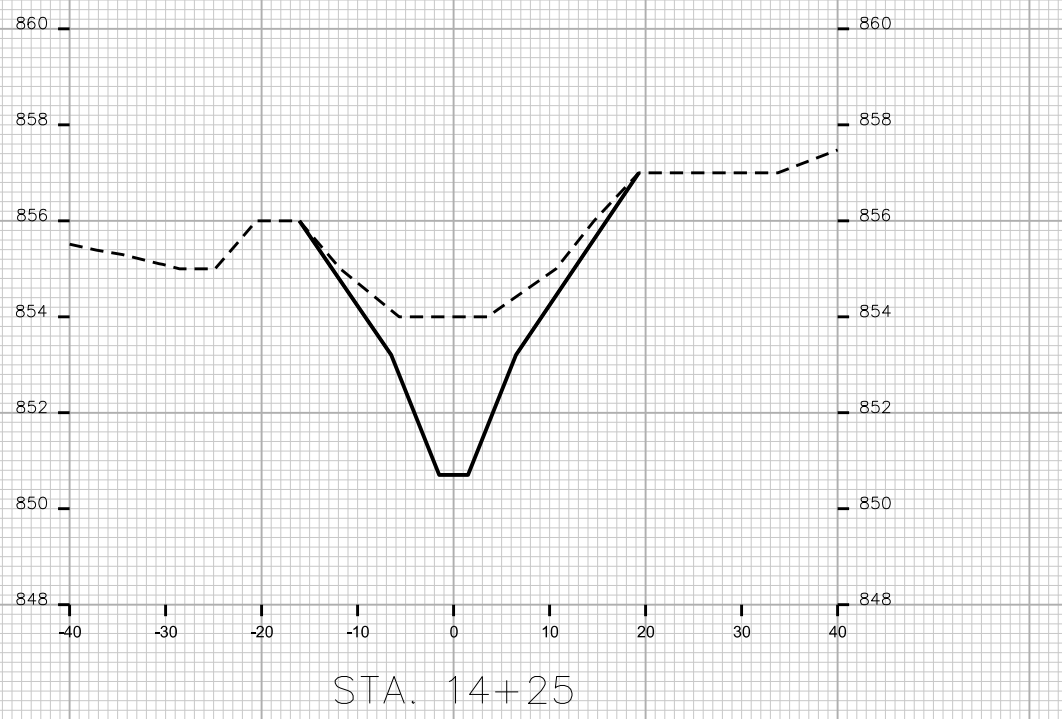
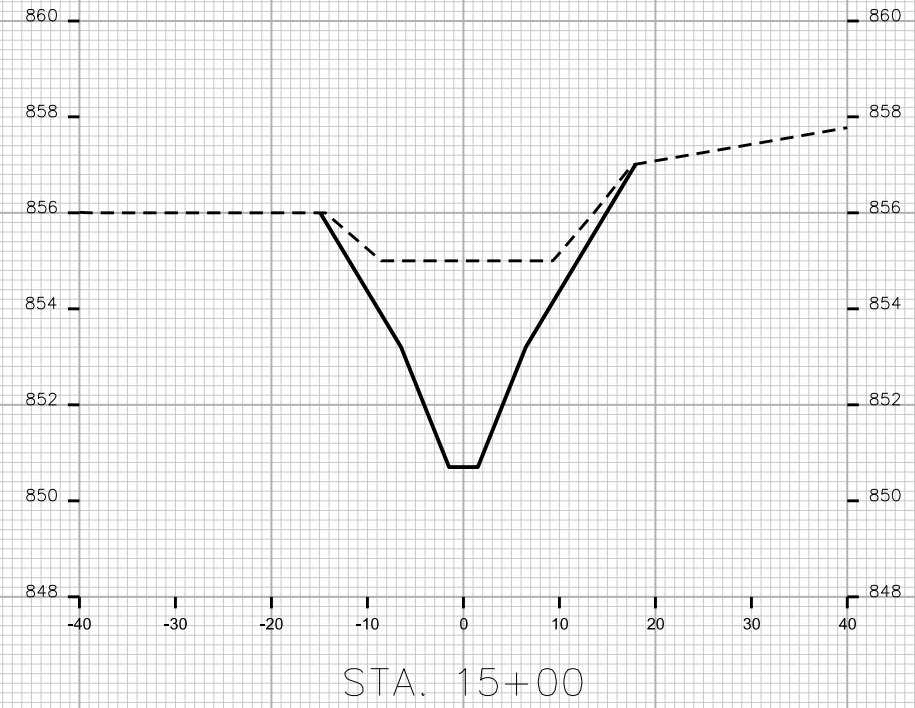
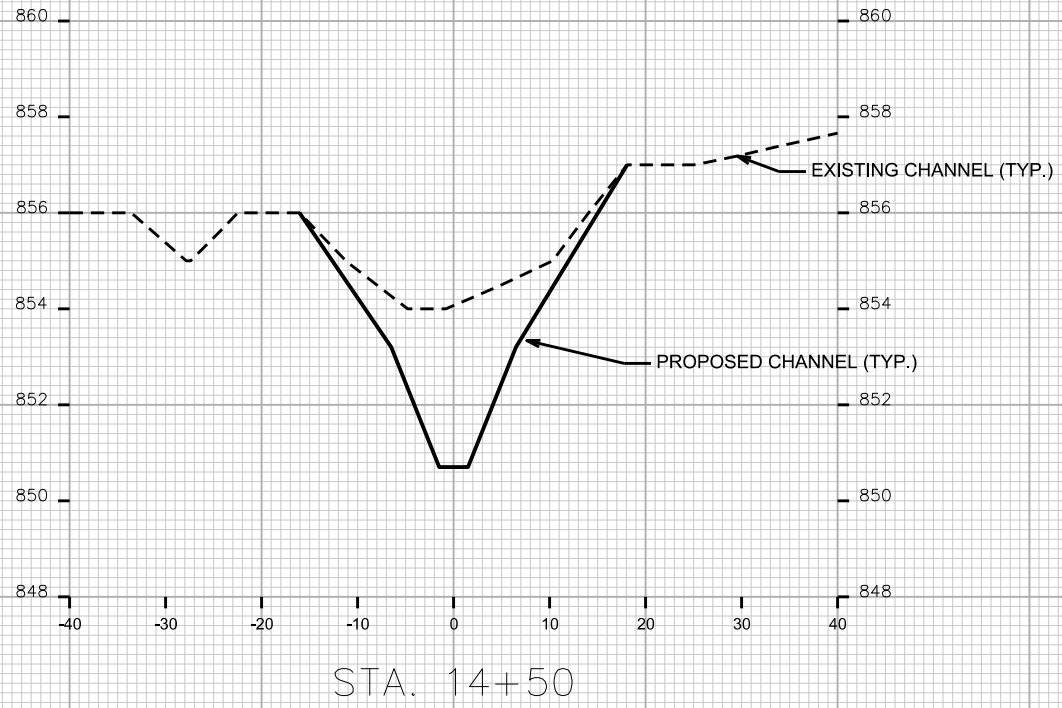
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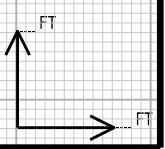
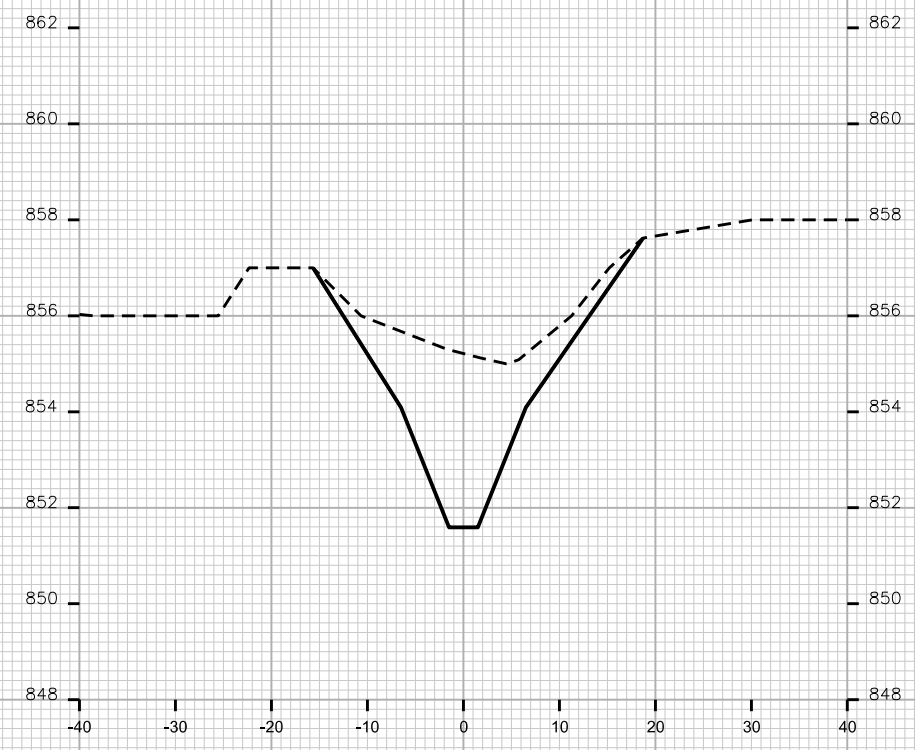
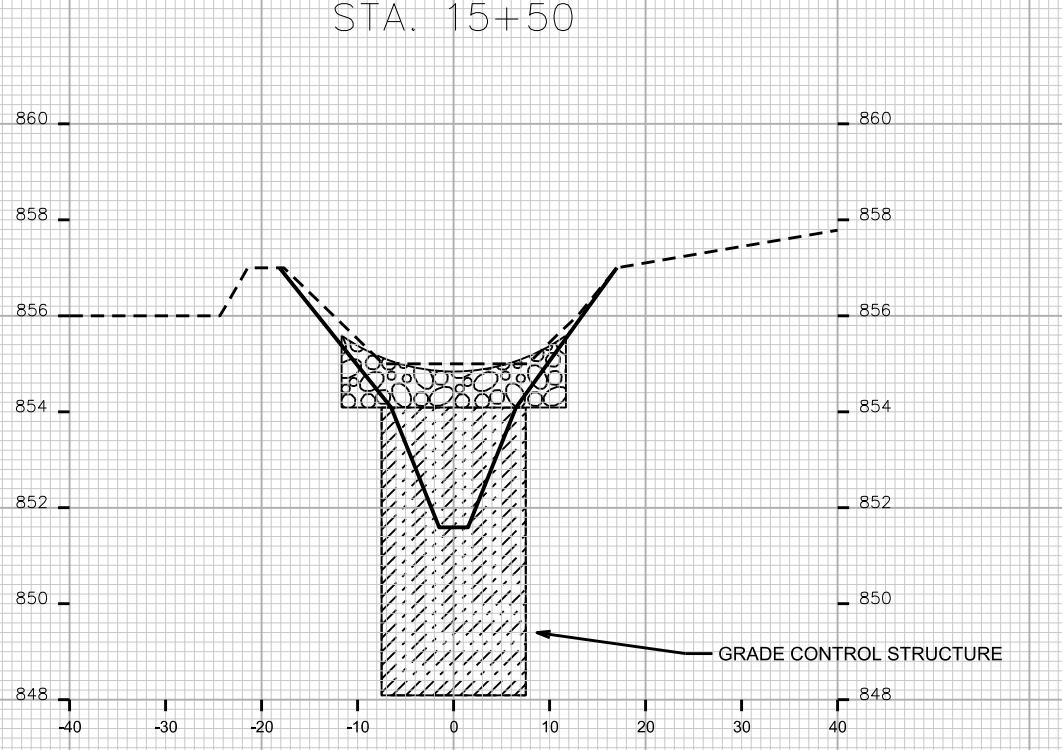
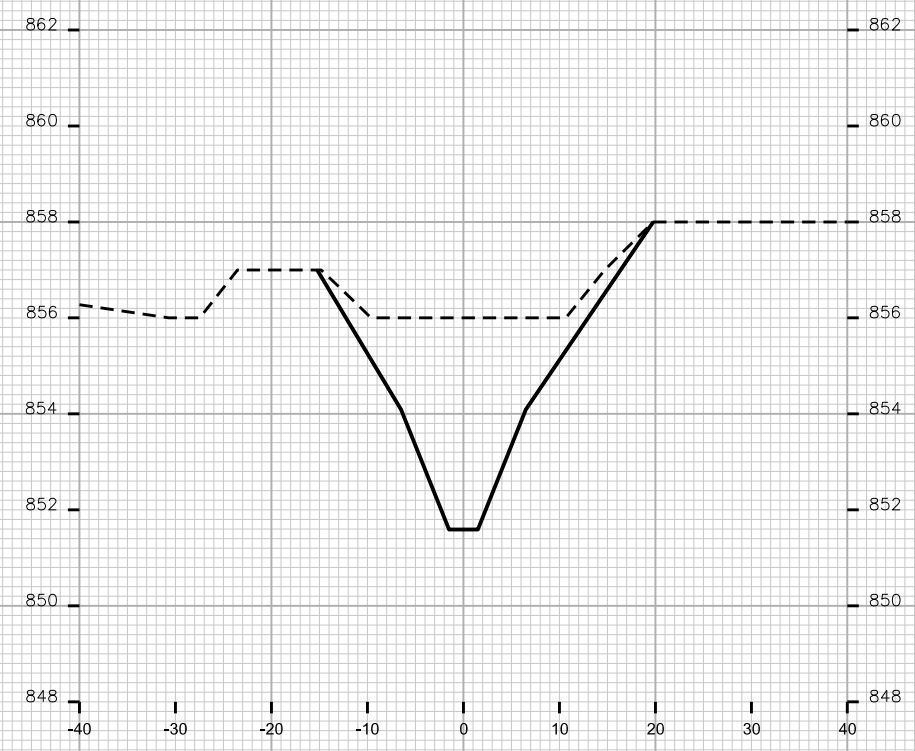
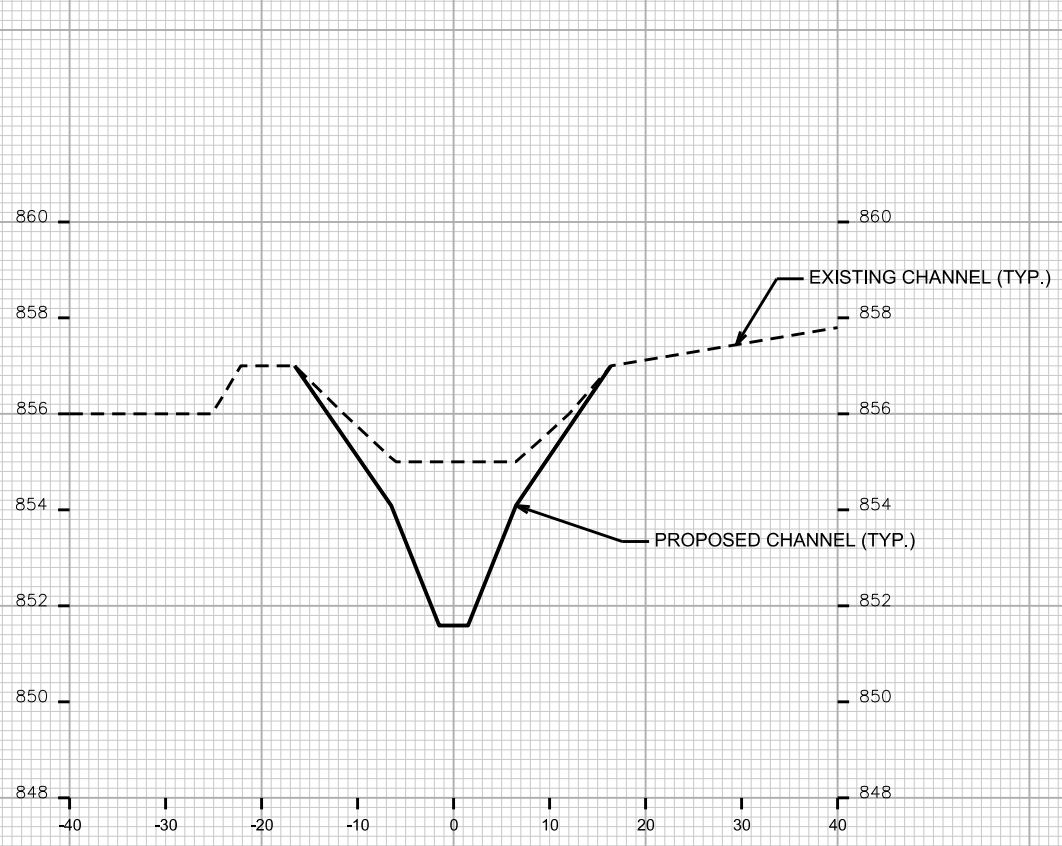
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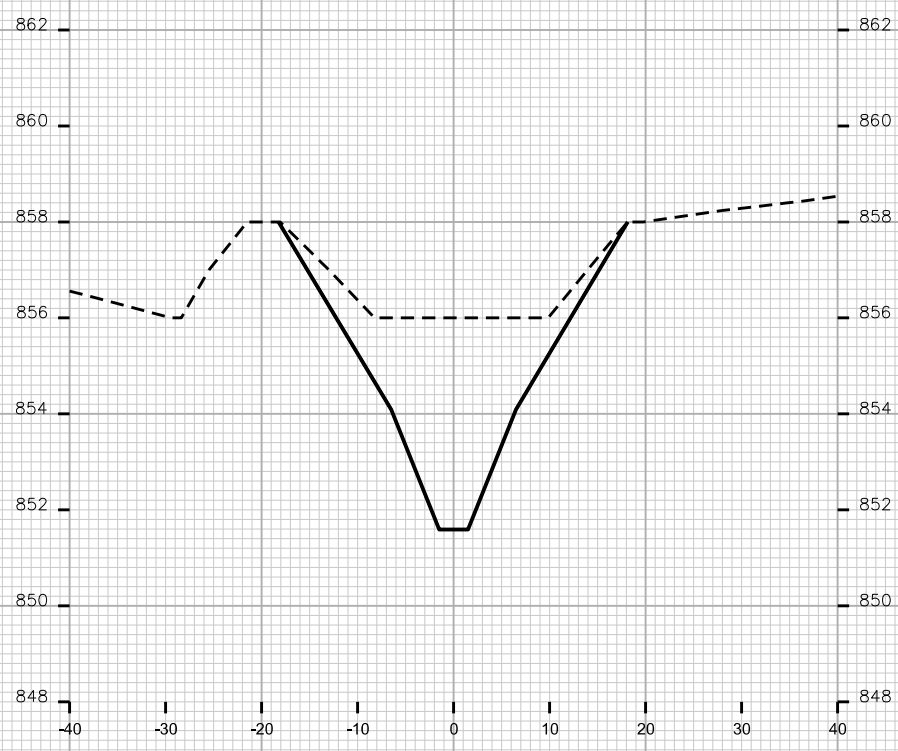
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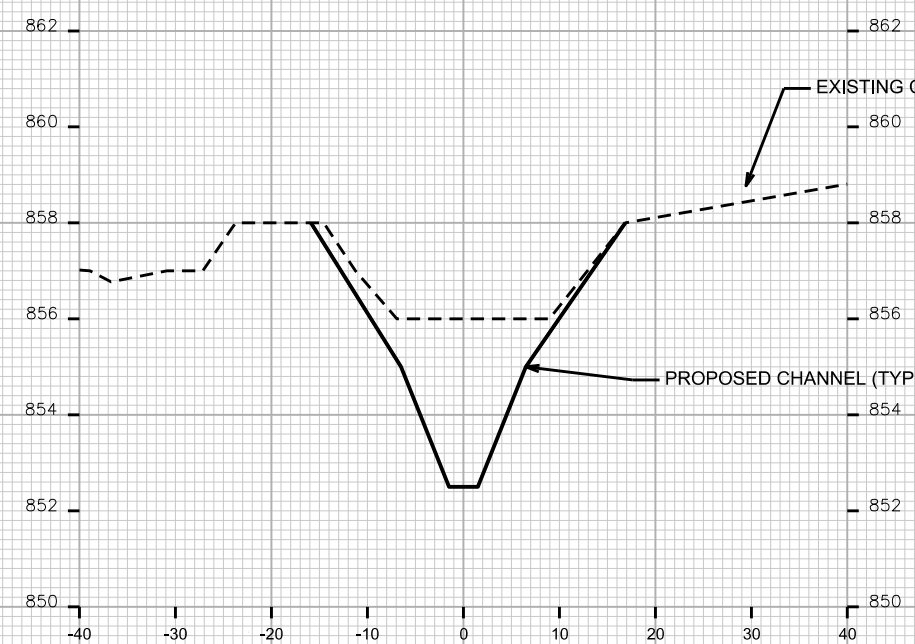
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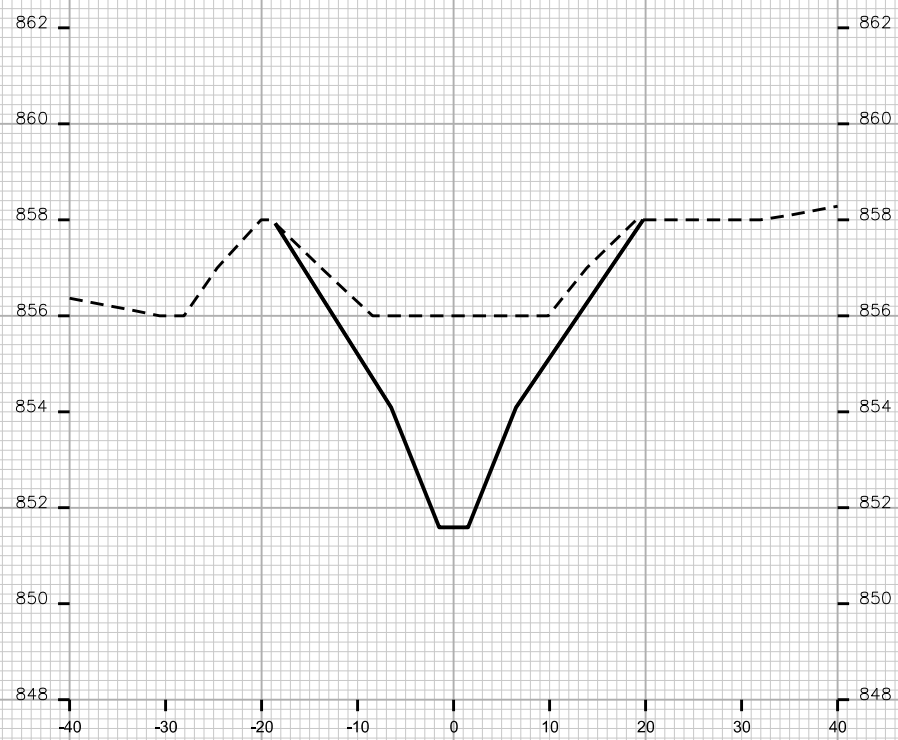
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STA. 16+50



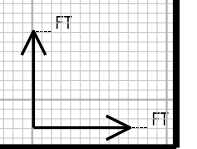
STA. 17+00



STA. 16+25



STA. 16+75



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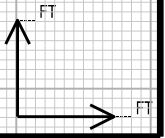
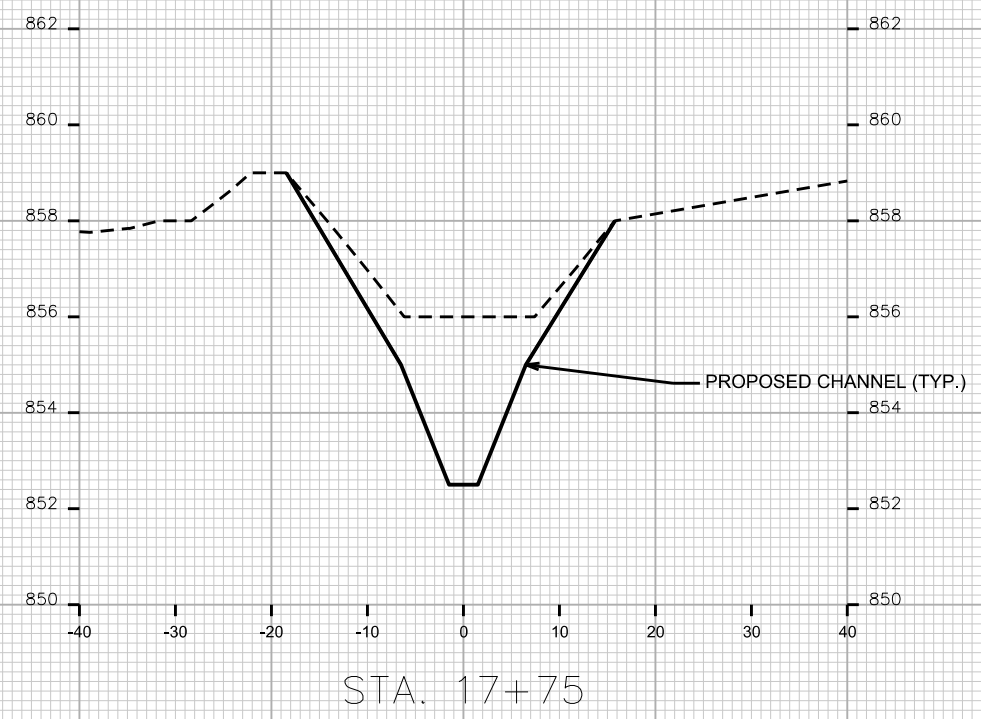
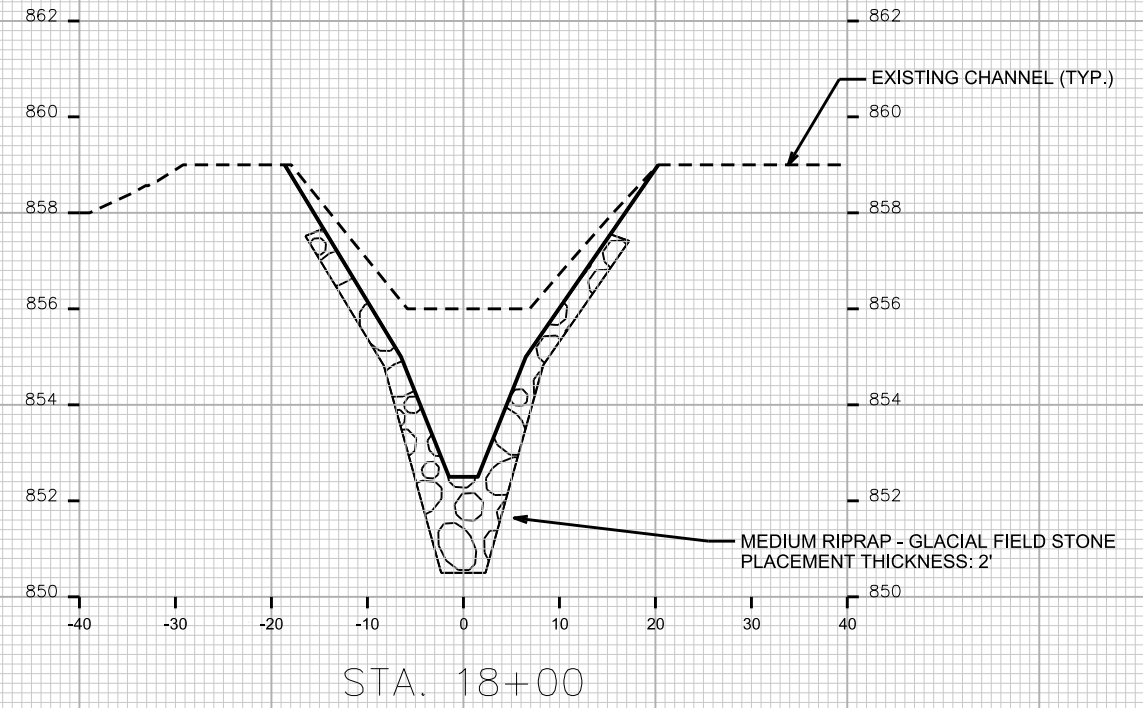
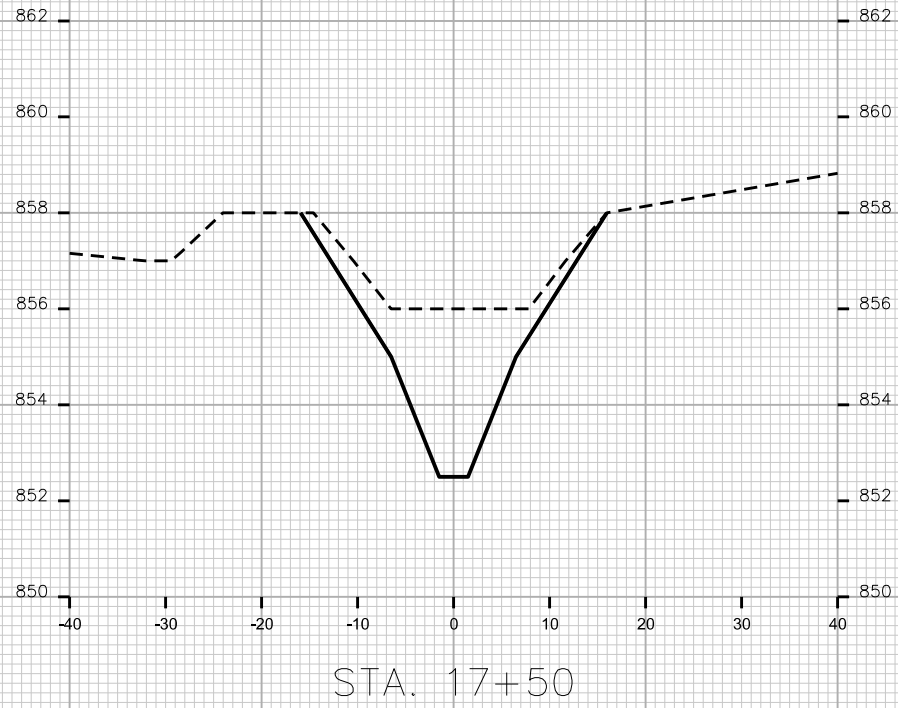
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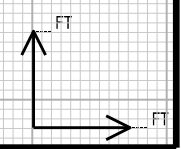
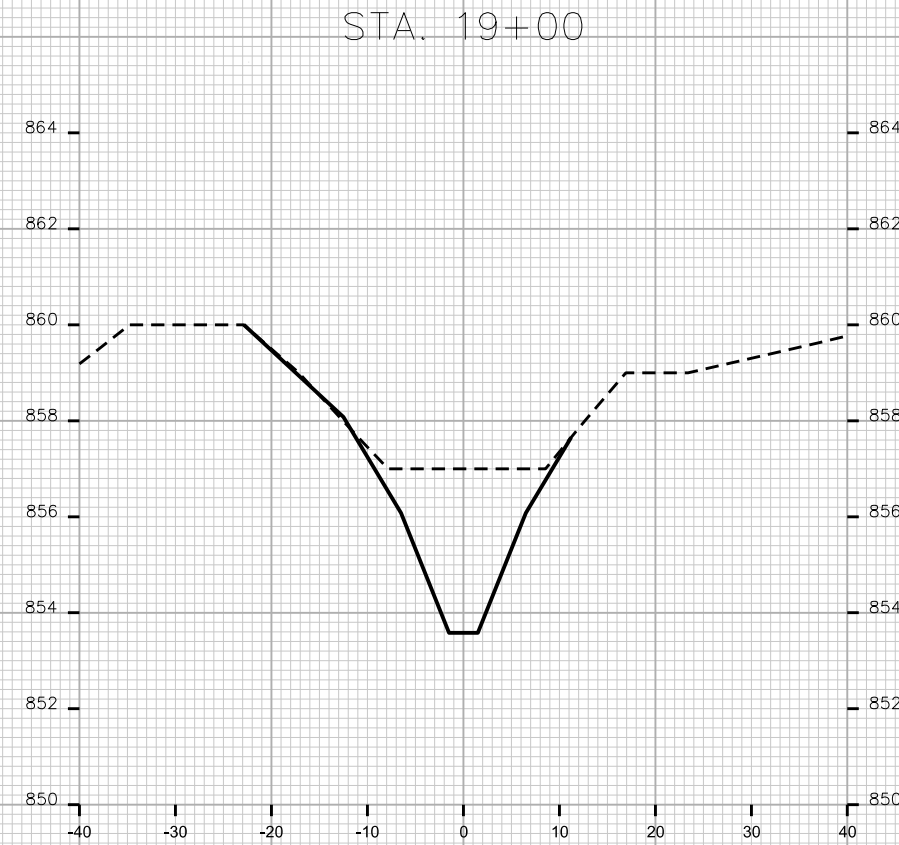
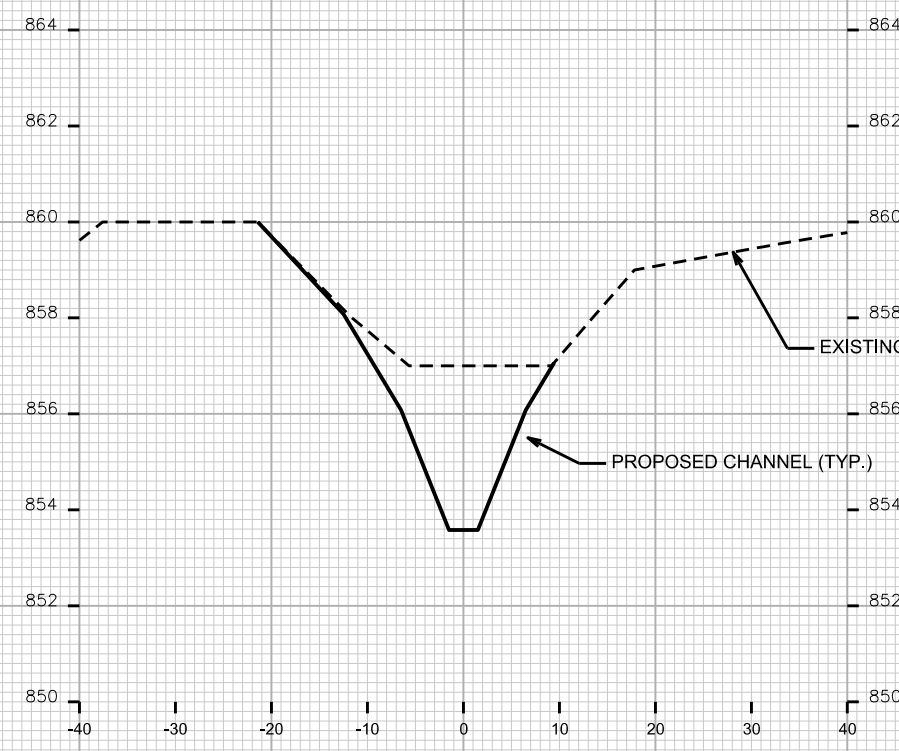
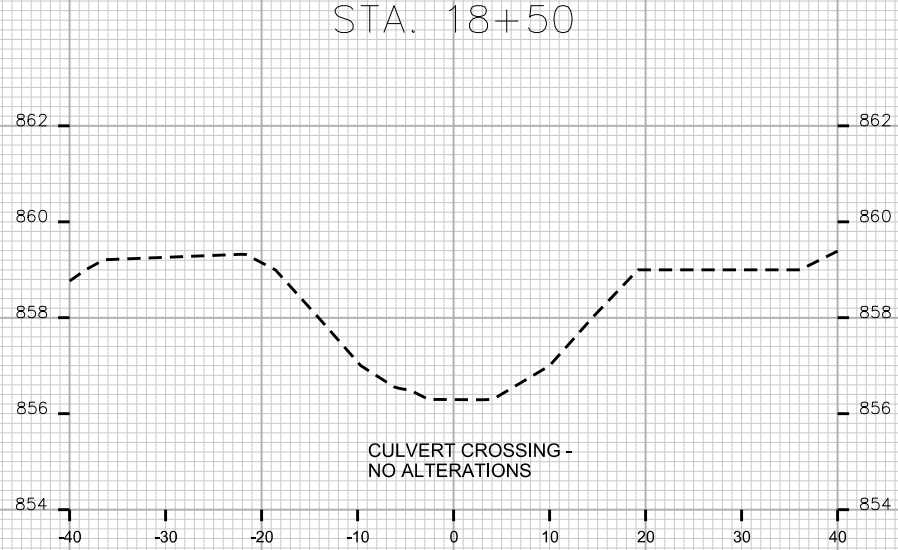
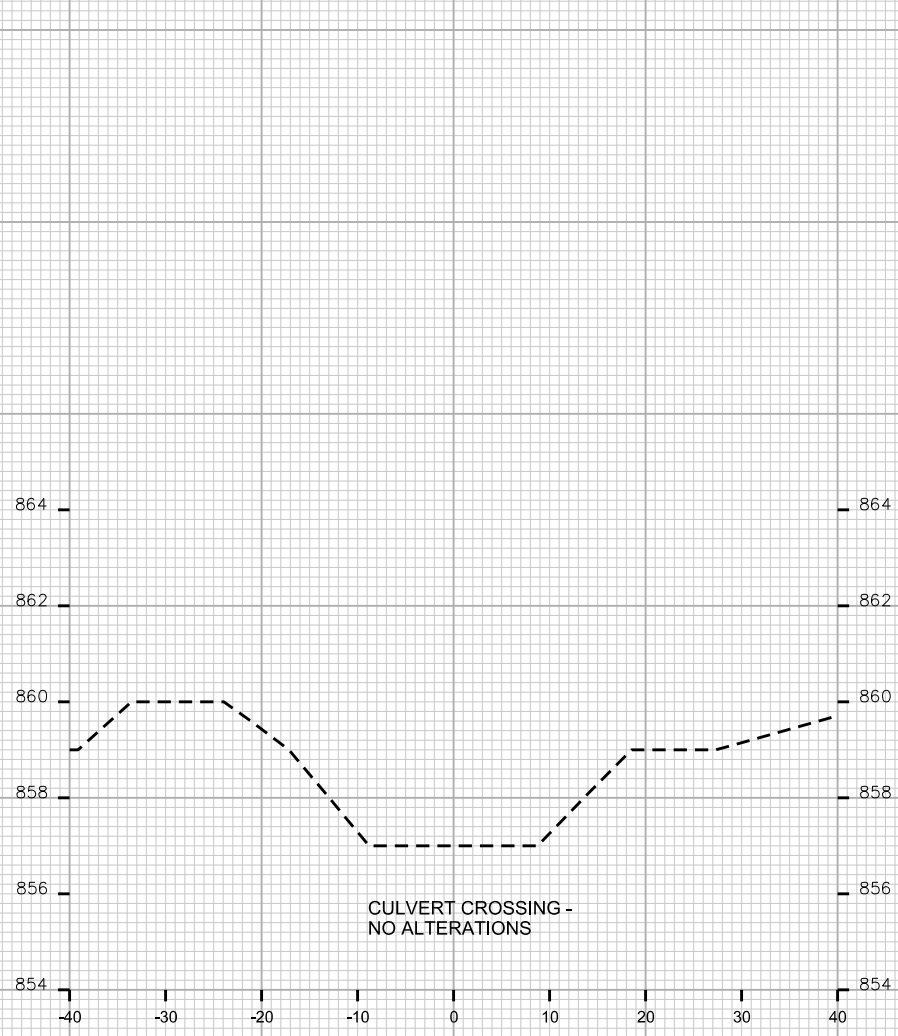
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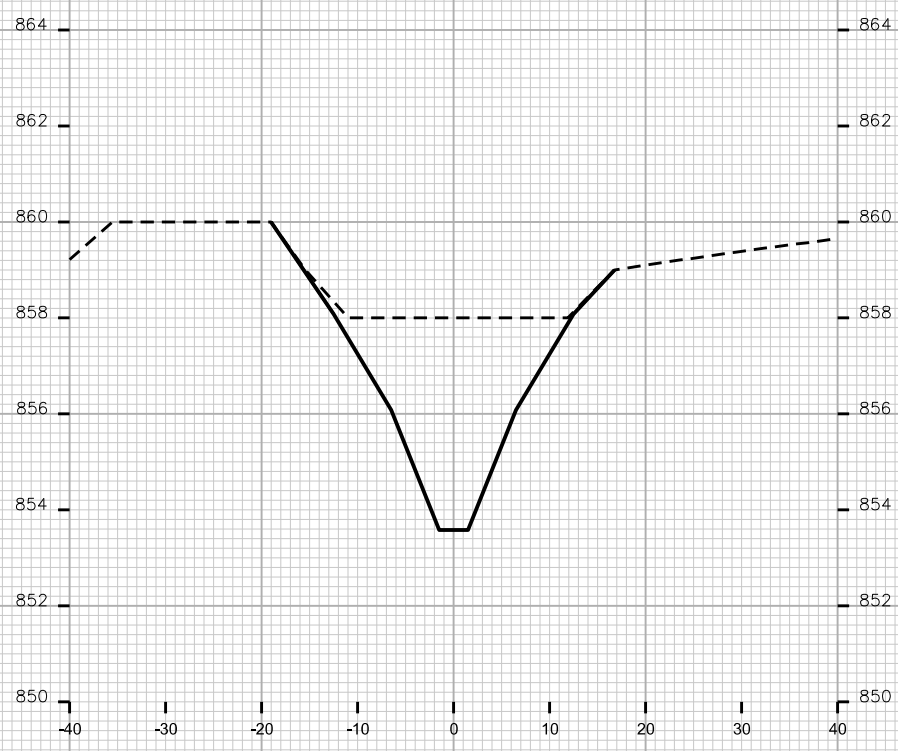
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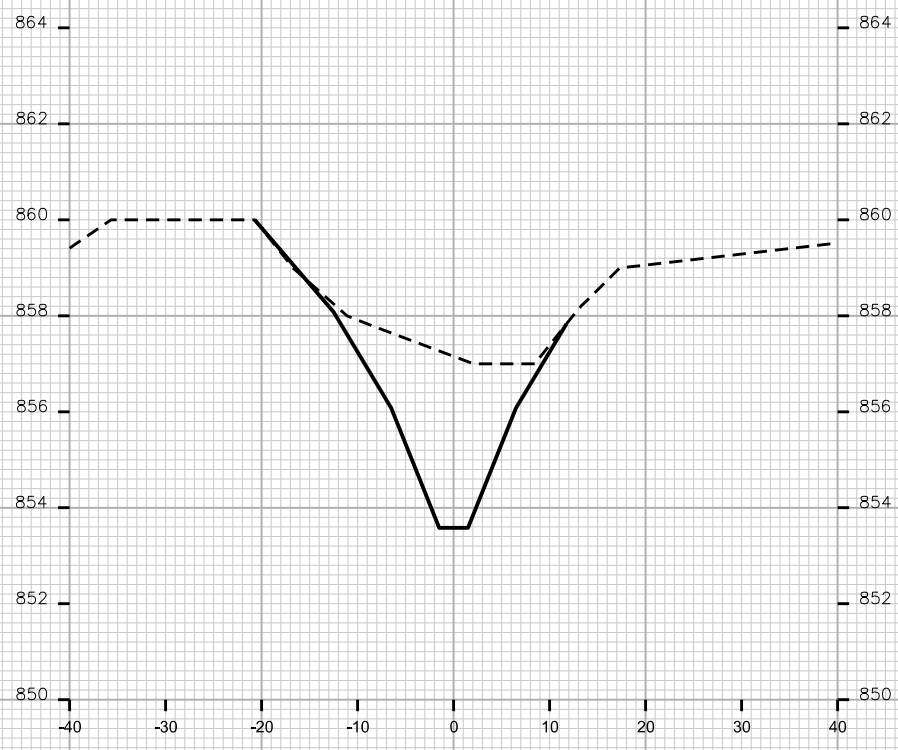
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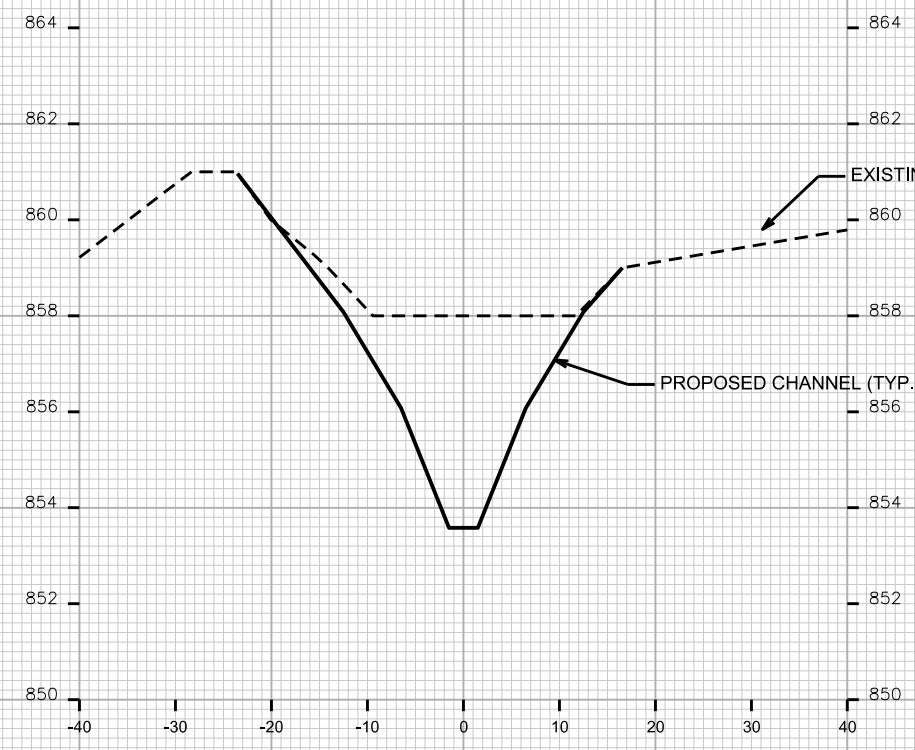
STA. 19+50



STA. 20+00



STA. 19+25



STA. 19+75



CROSS SECTIONS

MAIN CHANNEL

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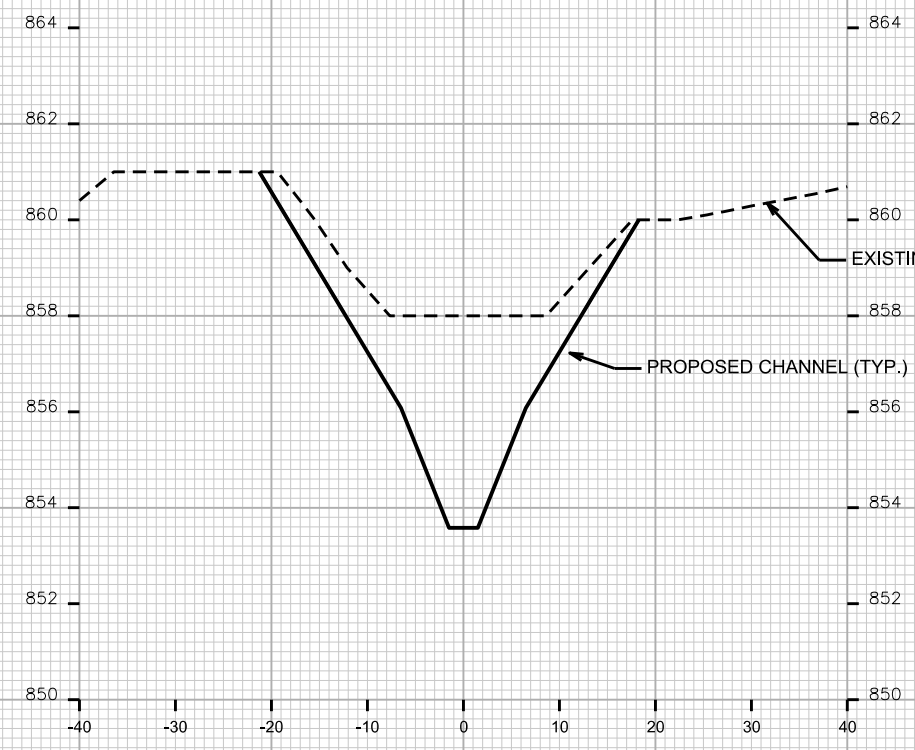
STA. 20+50



STA. 21+00



STA. 20+25



STA. 20+75



CROSS SECTIONS

MAIN CHANNEL

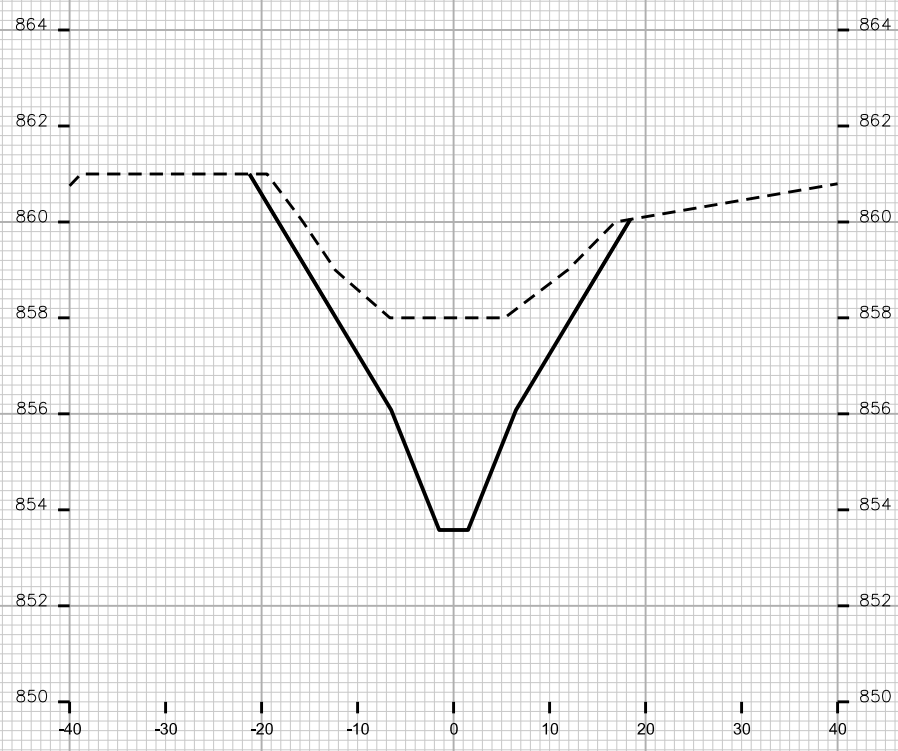
CITY OF MADISON

PLOT SCALE: _____

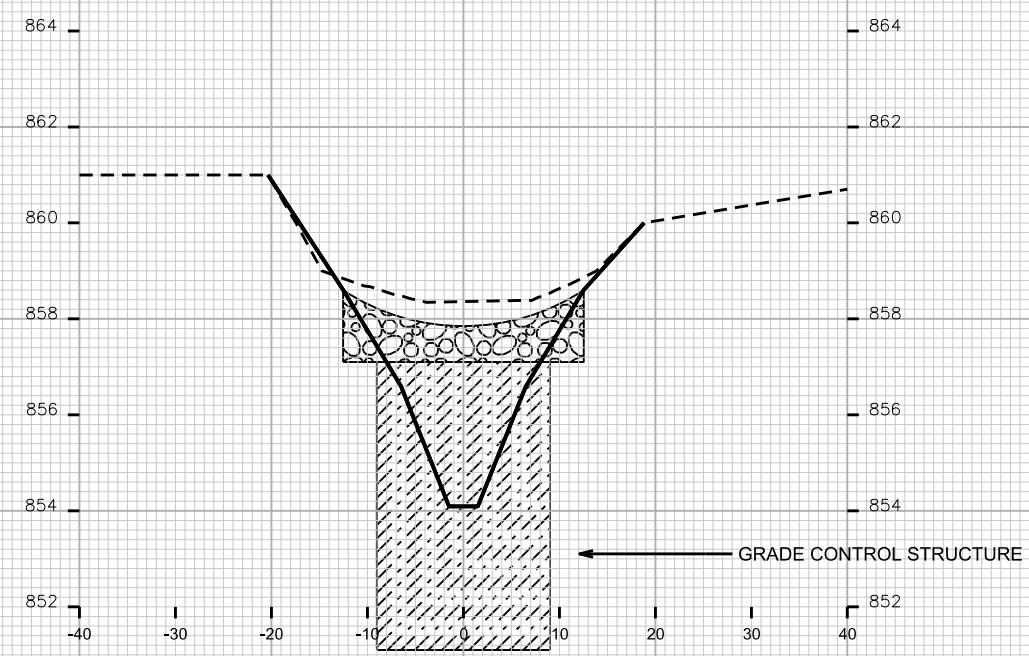
PLOT NAME: _____

REV. DATE: _____

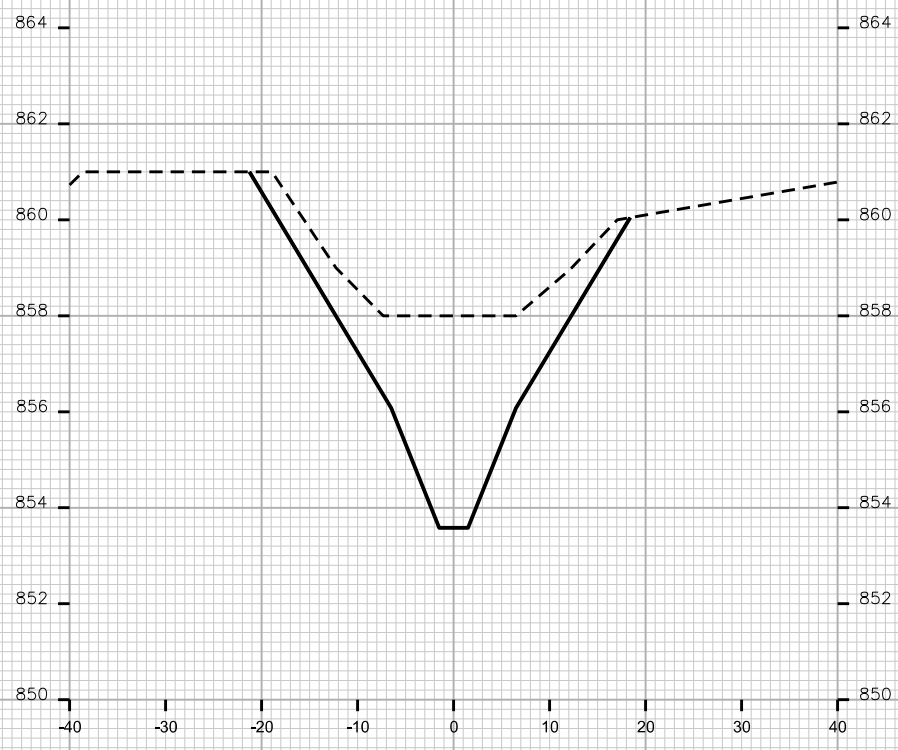
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



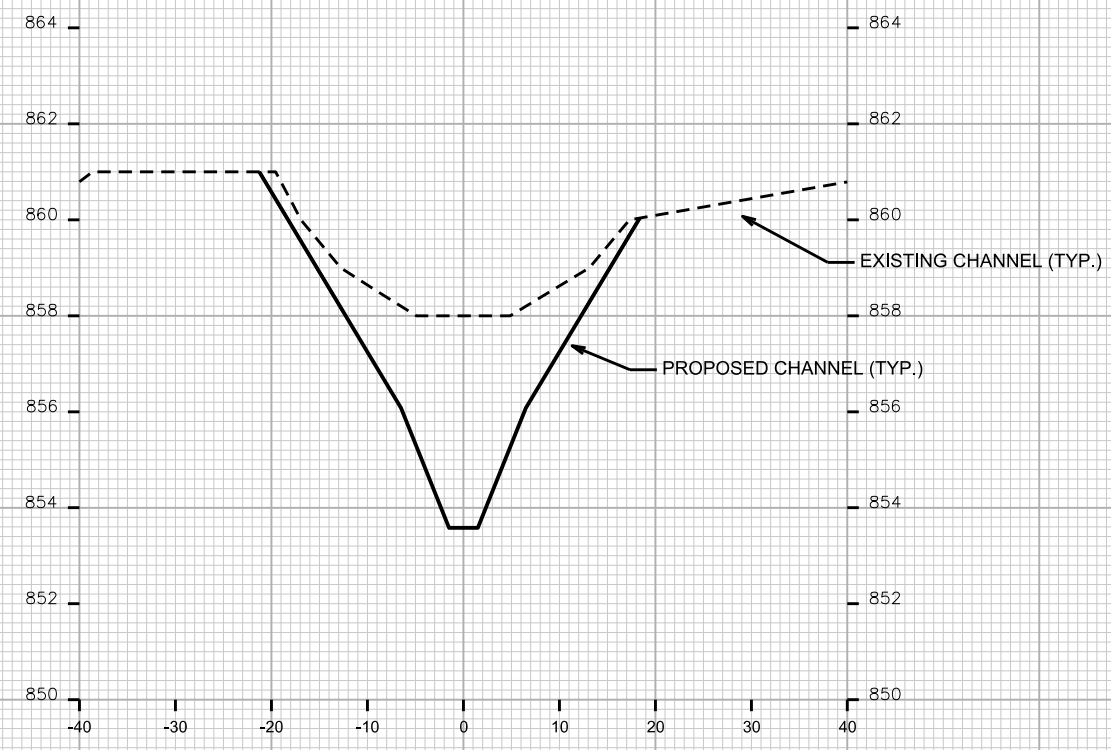
STA. 21+50



STA. 22+00



STA. 21+25



STA. 21+75



CROSS SECTIONS

MAIN CHANNEL

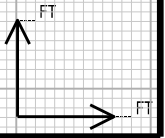
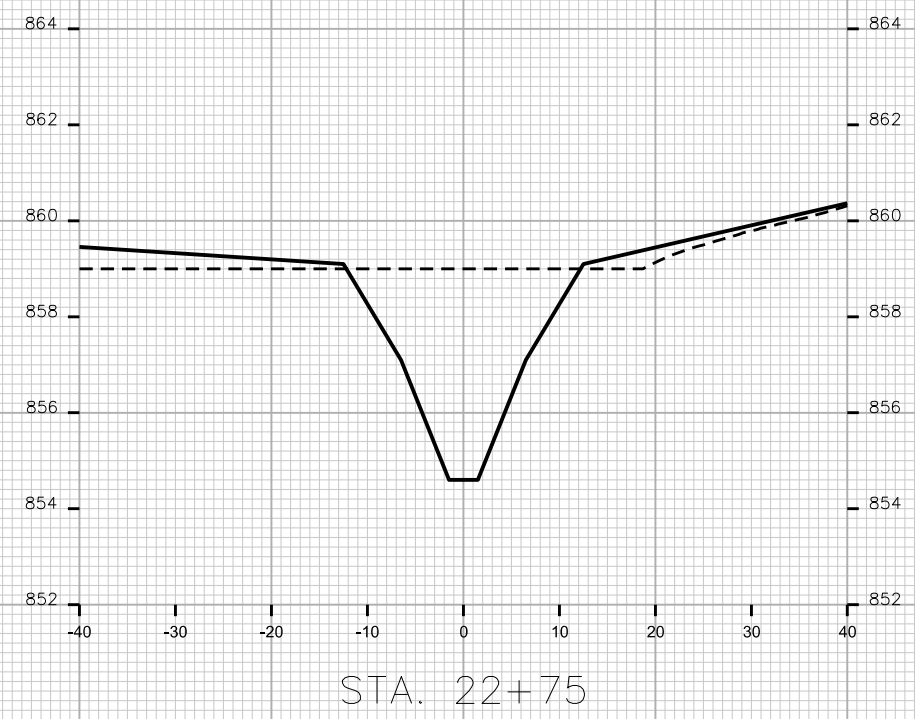
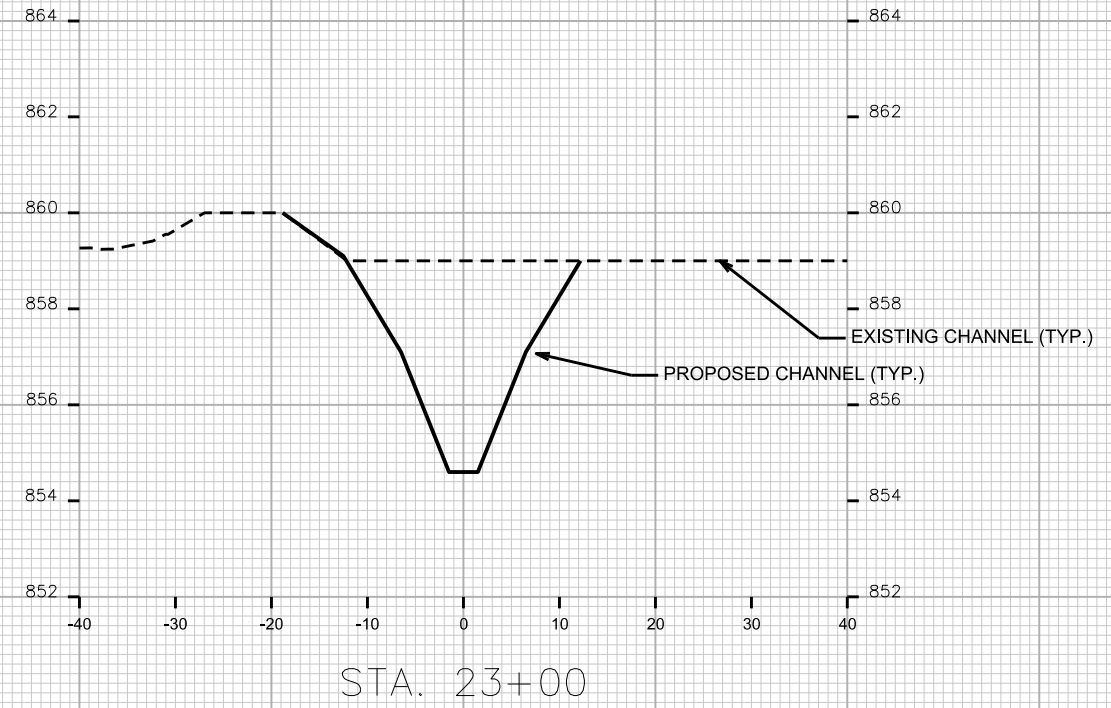
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

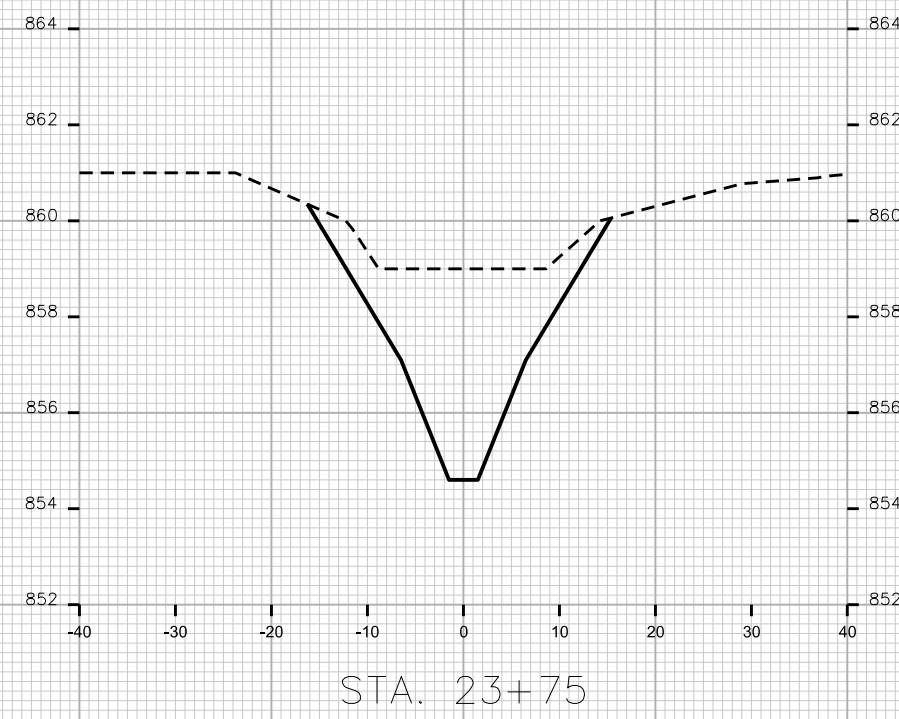
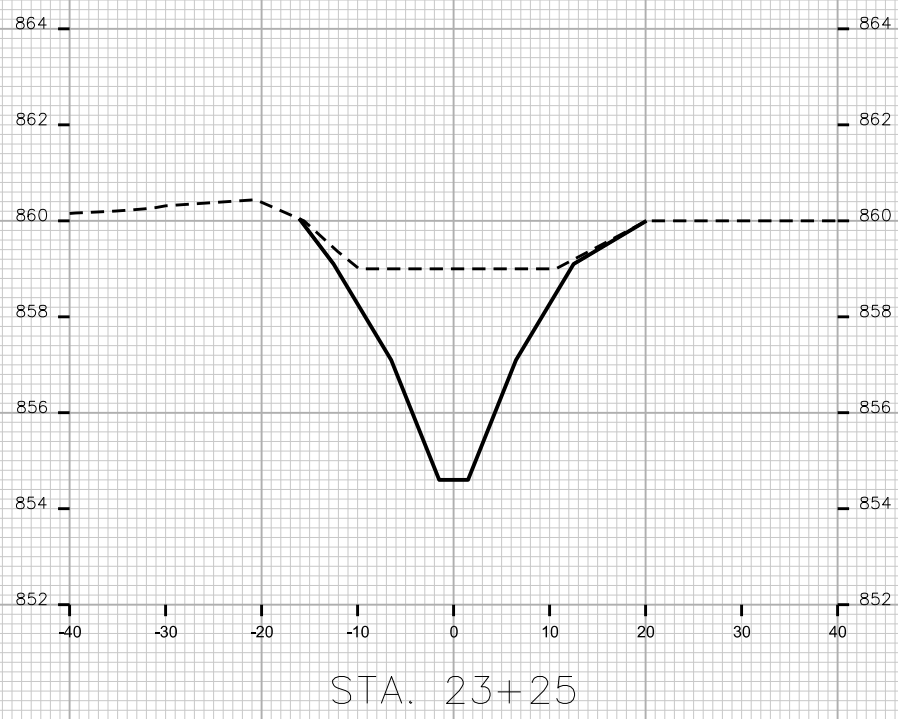
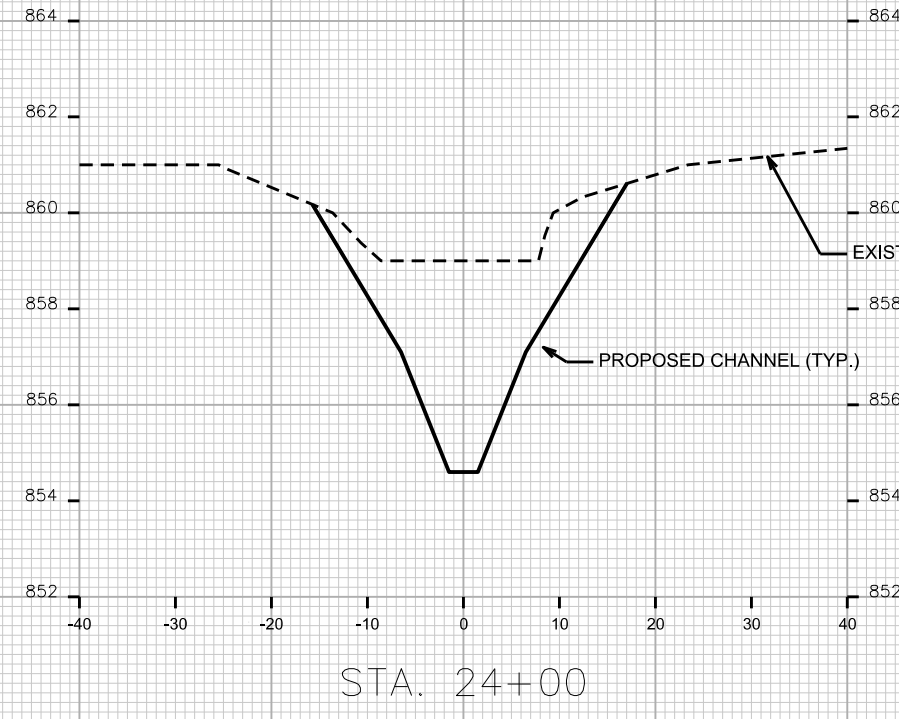
MAIN CHANNEL

CITY OF MADISON

PLOT SCALE: _____
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

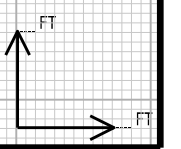
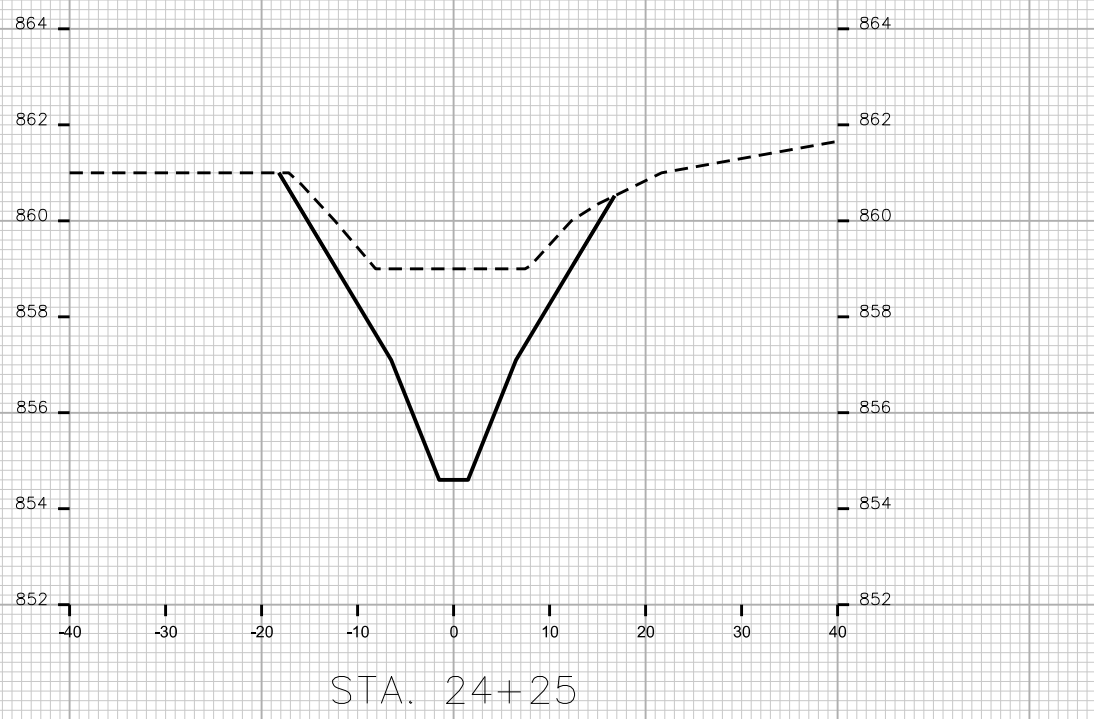
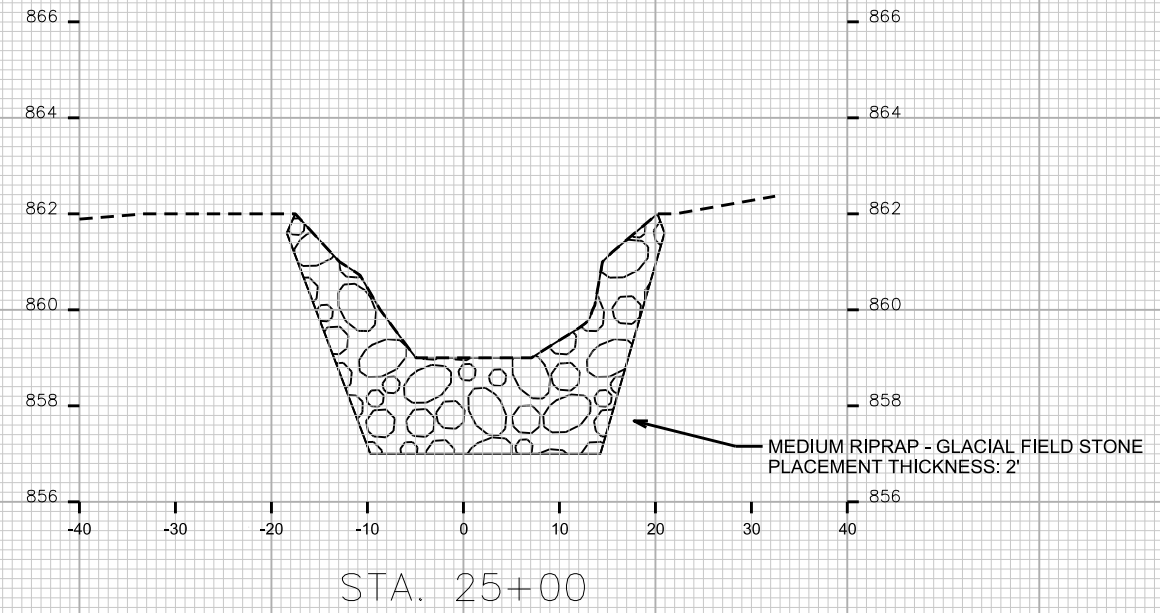
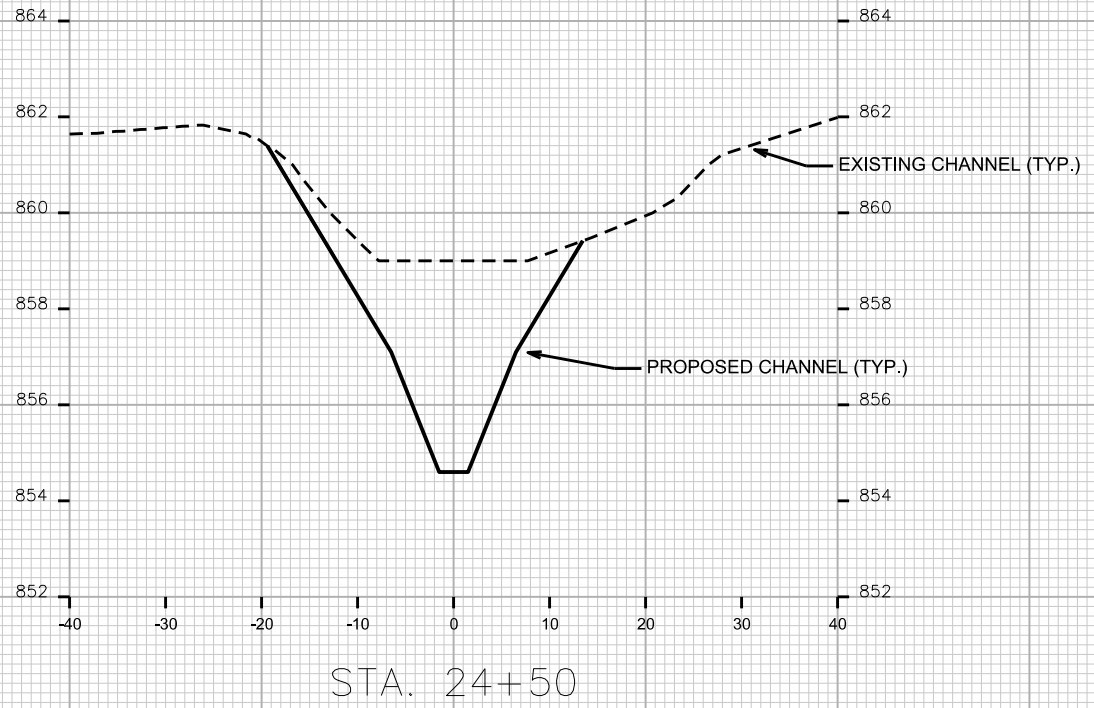


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

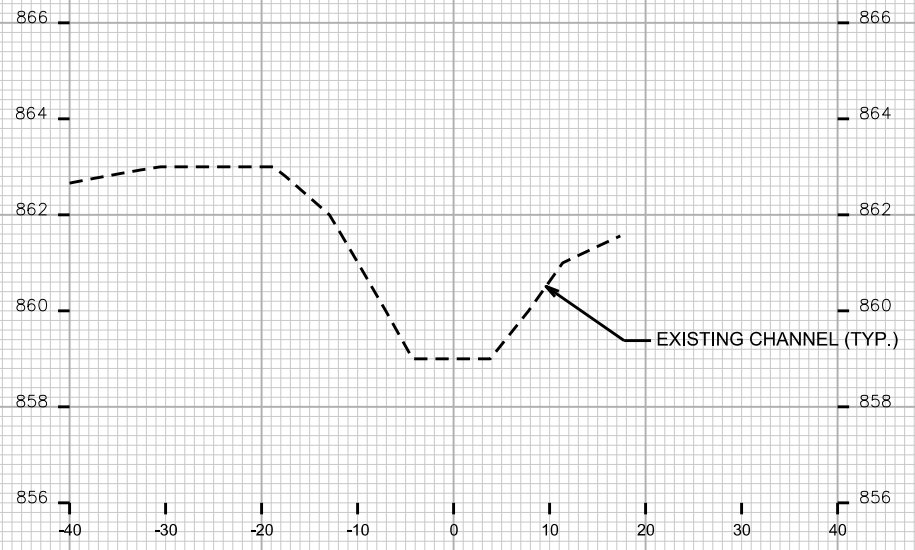


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

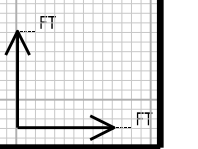
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 25+39



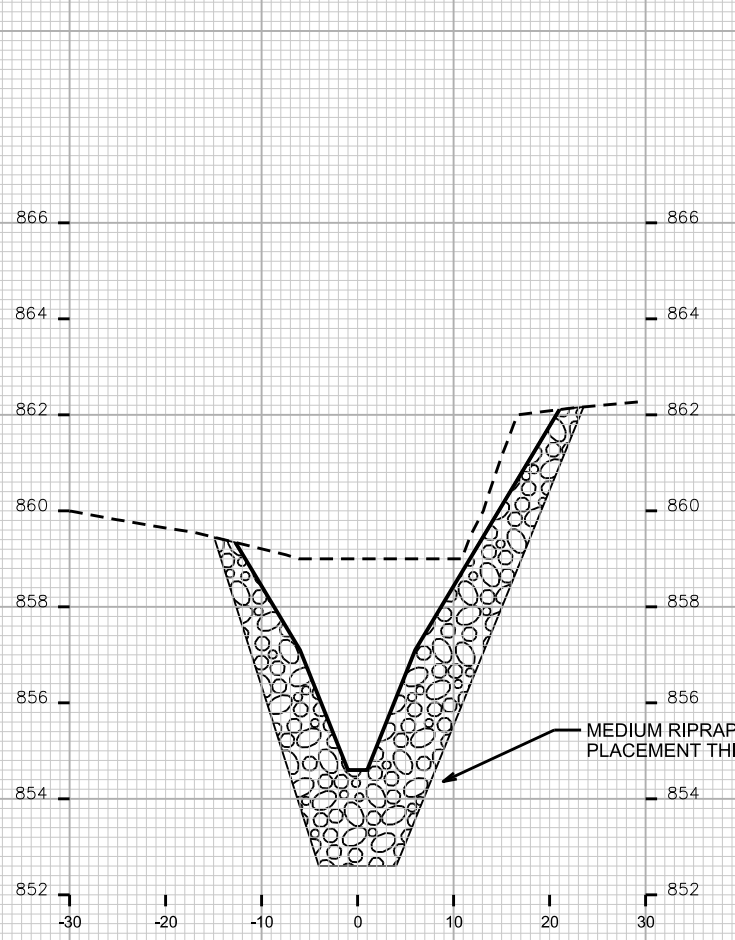
STA. 25+25



CROSS SECTIONS

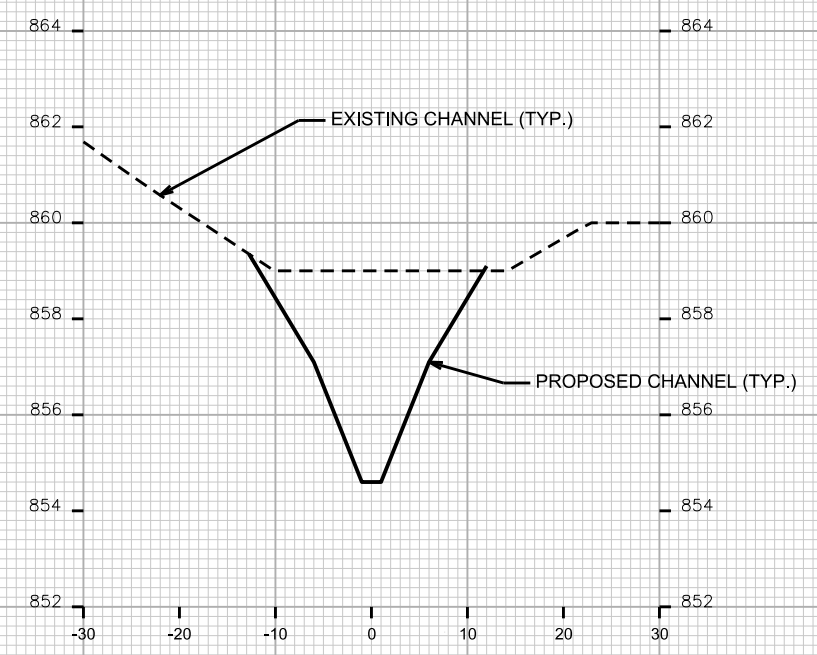
SIDE CHANNEL

CITY OF MADISON

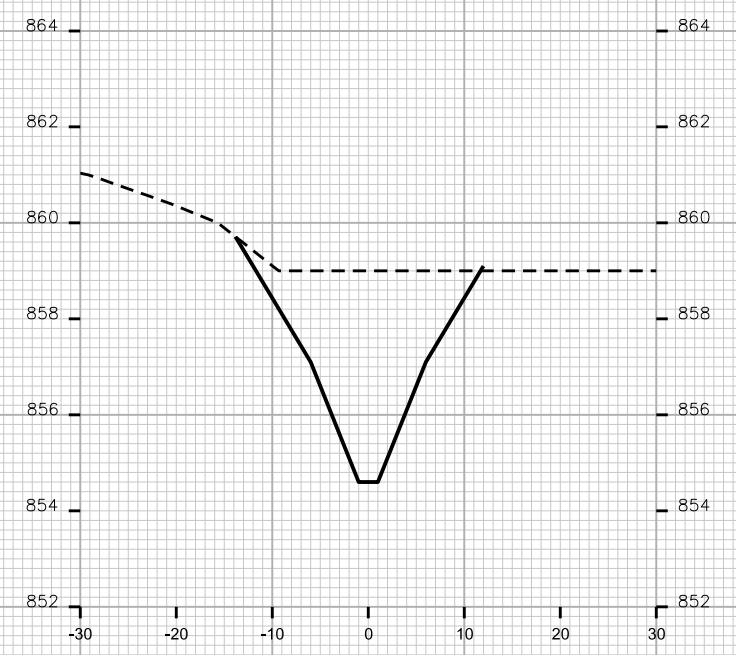


STA. 0+25

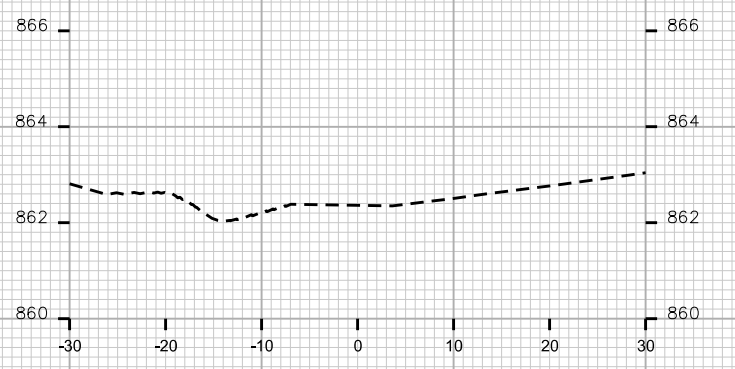
MEDIUM RIPRAP - GLACIAL FIELD STONE
PLACEMENT THICKNESS: 2'



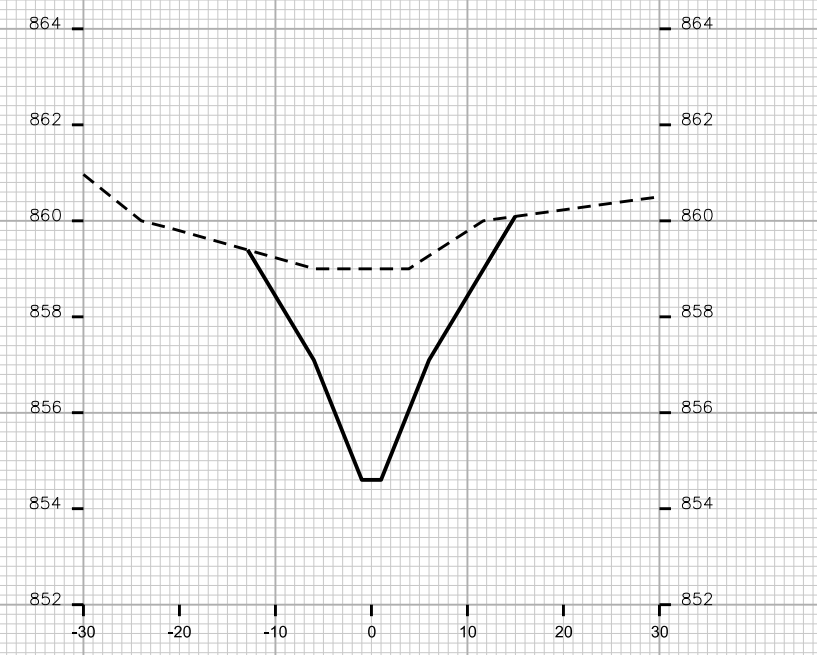
STA. 0+75



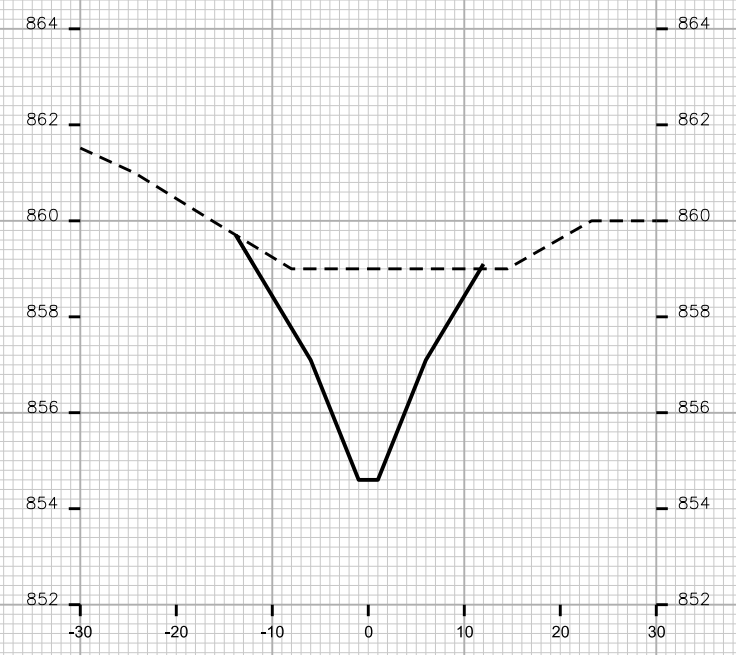
STA. 1+25



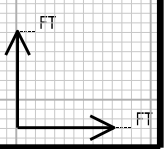
STA. 0+00



STA. 0+50



STA. 1+00



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

SIDE CHANNEL

CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 1+45

