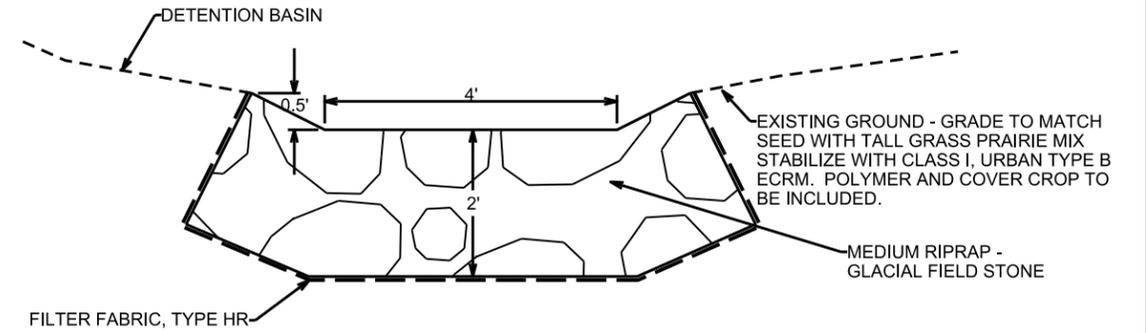


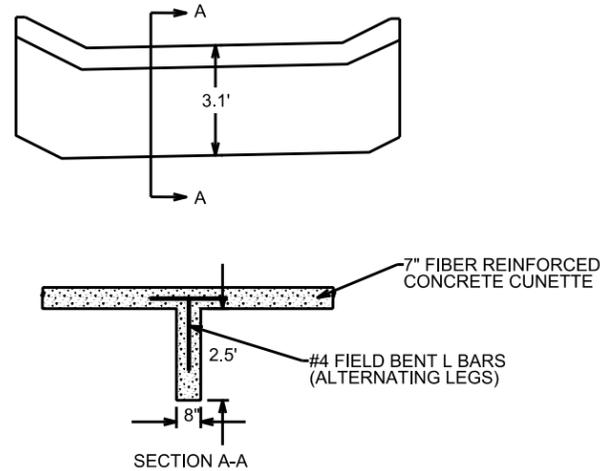
TYPICAL SECTION: CONCRETE CUNETTE



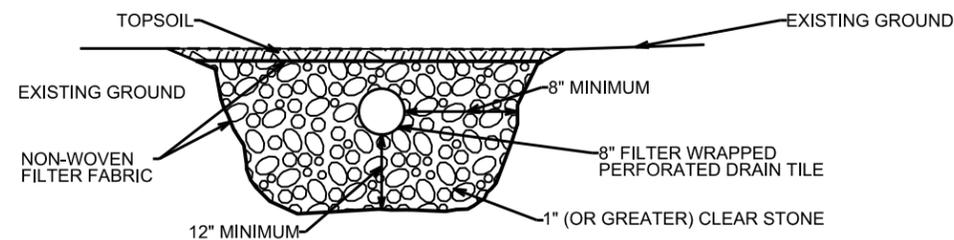
TYPICAL SECTION: RIPRAP CHANNEL

NOTES:

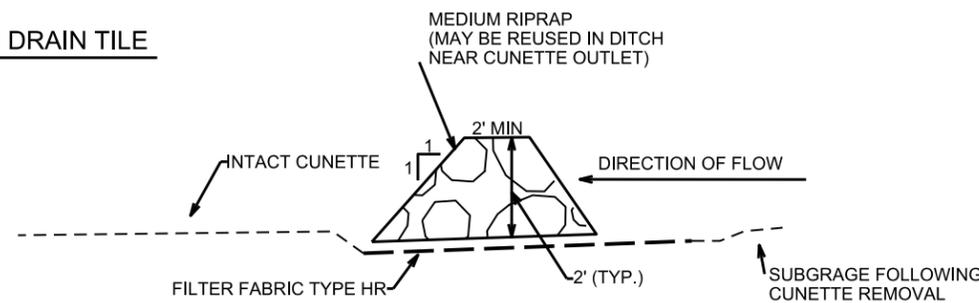
- CUTOFF SHALL HAVE 12" OF CRUSHED AGGREGATE BEDDING, GRADATION #1.
- CONNECTION BETWEEN CUTOFF WALL AND CUNETTE SHALL BE WITH #4 REBAR, FIELD BENT INTO "L" SHAPES, DIMENSIONS OF 28.5" X 12". BARS SHALL BE PLACED ON APPROXIMATELY 18" CENTERS. THE 12" LEG SHALL ALTERNATE TO EACH SIDE OF THE CUNETTE.
- PLACE INTERMITTENT CUTOFF WALLS AT LEAST 5' FROM THE NEAREST JOINT.



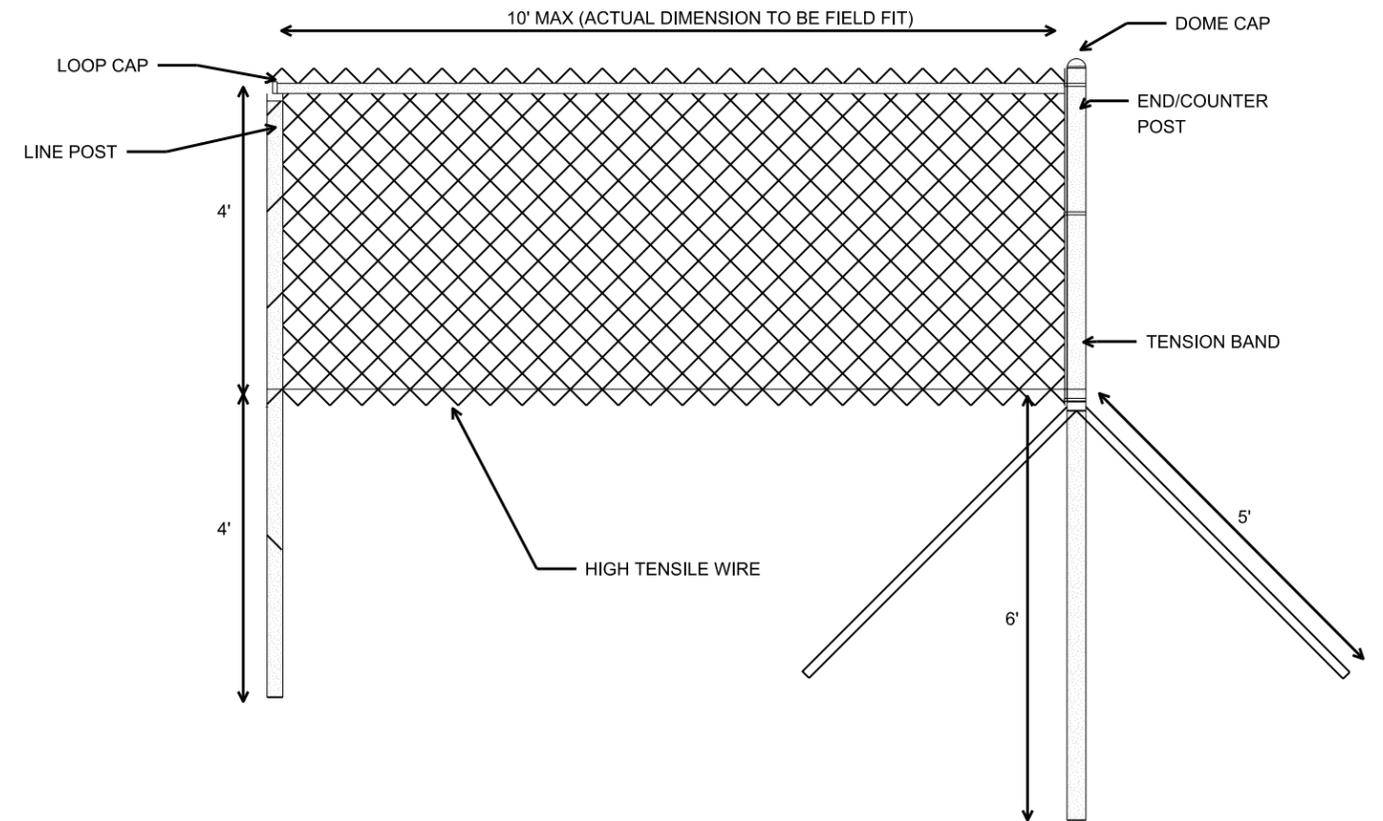
TYPICAL SECTION: INTERMITTENT CUTOFF WALL



TYPICAL SECTION: 8-INCH PLASTIC DRAIN TILE



DETAIL: TEMPORARY DITCH CHECK



DETAIL: CHAIN LINK FENCE

SCHEDULE 40 PIPE

FABRIC	HEIGHT	MESH	GAUGE	SELVAGE	FINISH
	6'	2"	9	KK	ALUM.
FRAMEWORK	O.D.	WALL	WT. PER FT.	LENGTH	
END/CORNER POST	3"	0.203	5.79	12'	
LINE POST	2.5"	0.154	3.65	10'	
RAILS	1.625"	0.140	2.27	21'	

PLOT SCALE: _____

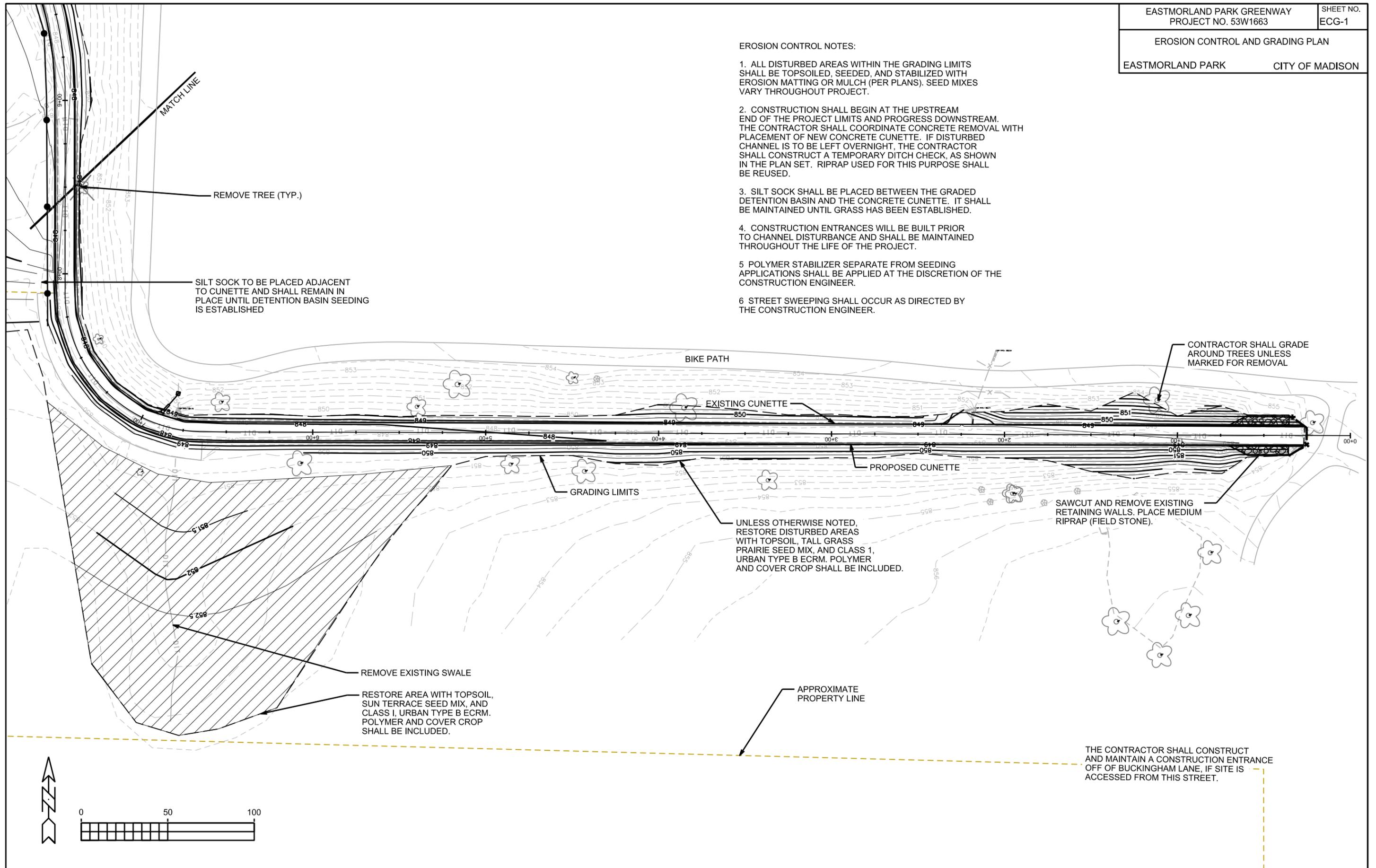
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

EROSION CONTROL NOTES:

1. ALL DISTURBED AREAS WITHIN THE GRADING LIMITS SHALL BE TOPSOILED, SEEDED, AND STABILIZED WITH EROSION MATTING OR MULCH (PER PLANS). SEED MIXES VARY THROUGHOUT PROJECT.
2. CONSTRUCTION SHALL BEGIN AT THE UPSTREAM END OF THE PROJECT LIMITS AND PROGRESS DOWNSTREAM. THE CONTRACTOR SHALL COORDINATE CONCRETE REMOVAL WITH PLACEMENT OF NEW CONCRETE CUNETTE. IF DISTURBED CHANNEL IS TO BE LEFT OVERNIGHT, THE CONTRACTOR SHALL CONSTRUCT A TEMPORARY DITCH CHECK, AS SHOWN IN THE PLAN SET. RIPRAP USED FOR THIS PURPOSE SHALL BE REUSED.
3. SILT SOCK SHALL BE PLACED BETWEEN THE GRADED DETENTION BASIN AND THE CONCRETE CUNETTE. IT SHALL BE MAINTAINED UNTIL GRASS HAS BEEN ESTABLISHED.
4. CONSTRUCTION ENTRANCES WILL BE BUILT PRIOR TO CHANNEL DISTURBANCE AND SHALL BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.
5. POLYMER STABILIZER SEPARATE FROM SEEDING APPLICATIONS SHALL BE APPLIED AT THE DISCRETION OF THE CONSTRUCTION ENGINEER.
6. STREET SWEEPING SHALL OCCUR AS DIRECTED BY THE CONSTRUCTION ENGINEER.



REMOVE TREE (TYP.)

SILT SOCK TO BE PLACED ADJACENT TO CUNETTE AND SHALL REMAIN IN PLACE UNTIL DETENTION BASIN SEEDING IS ESTABLISHED

CONTRACTOR SHALL GRADE AROUND TREES UNLESS MARKED FOR REMOVAL

BIKE PATH

EXISTING CUNETTE

PROPOSED CUNETTE

GRADING LIMITS

UNLESS OTHERWISE NOTED, RESTORE DISTURBED AREAS WITH TOPSOIL, TALL GRASS PRAIRIE SEED MIX, AND CLASS 1, URBAN TYPE B ECRM. POLYMER AND COVER CROP SHALL BE INCLUDED.

SAWCUT AND REMOVE EXISTING RETAINING WALLS. PLACE MEDIUM RIPRAP (FIELD STONE).

REMOVE EXISTING SWALE

RESTORE AREA WITH TOPSOIL, SUN TERRACE SEED MIX, AND CLASS 1, URBAN TYPE B ECRM. POLYMER AND COVER CROP SHALL BE INCLUDED.

APPROXIMATE PROPERTY LINE

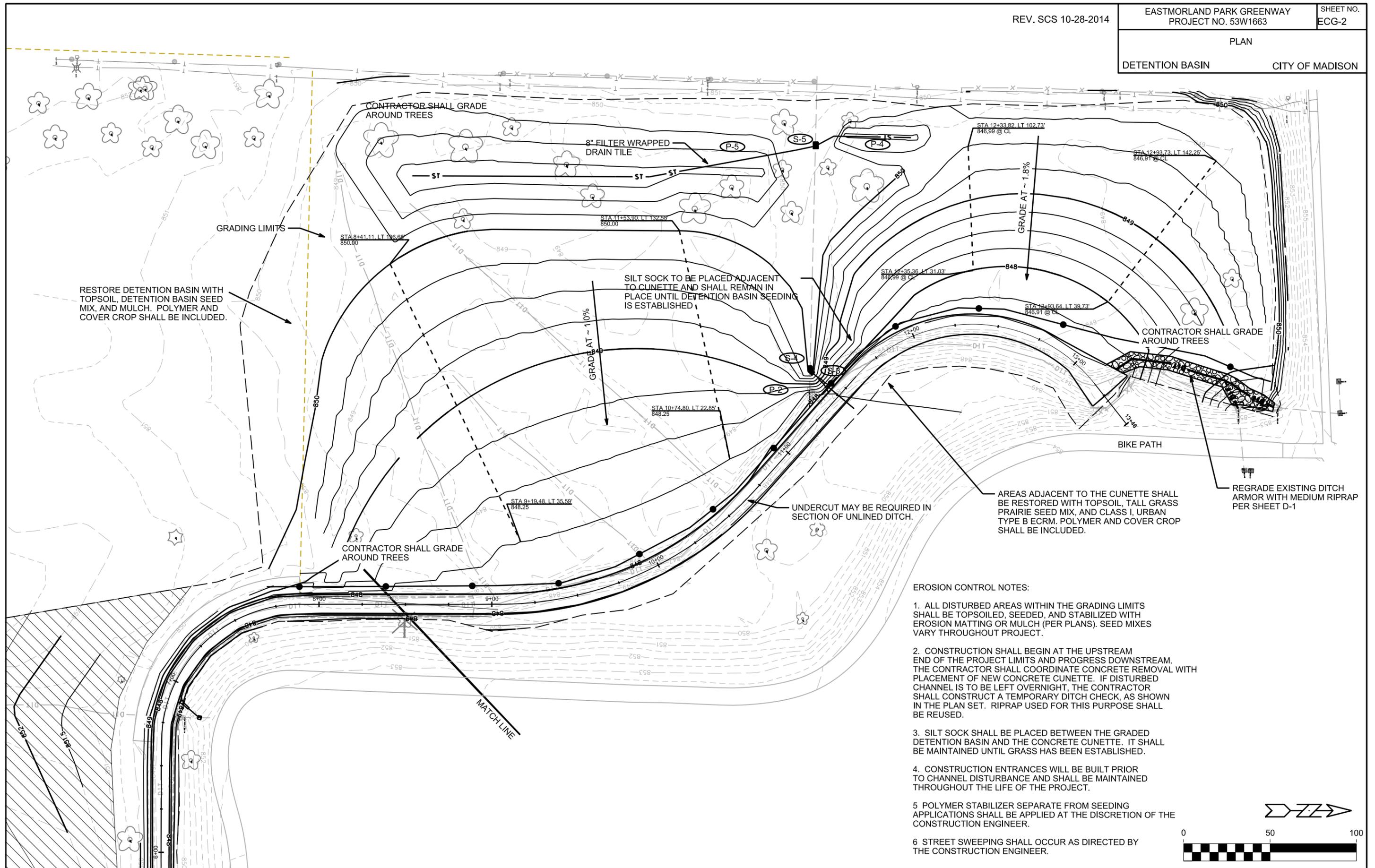
THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN A CONSTRUCTION ENTRANCE OFF OF BUCKINGHAM LANE, IF SITE IS ACCESSED FROM THIS STREET.

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



RESTORE DETENTION BASIN WITH TOPSOIL, DETENTION BASIN SEED MIX, AND MULCH. POLYMER AND COVER CROP SHALL BE INCLUDED.

GRADING LIMITS

CONTRACTOR SHALL GRADE AROUND TREES

8" FILTER WRAPPED DRAIN TILE

SILT SOCK TO BE PLACED ADJACENT TO CUNETTE AND SHALL REMAIN IN PLACE UNTIL DETENTION BASIN SEEDING IS ESTABLISHED

GRADE AT ~ 10%

GRADE AT ~ 1.8%

CONTRACTOR SHALL GRADE AROUND TREES

BIKE PATH

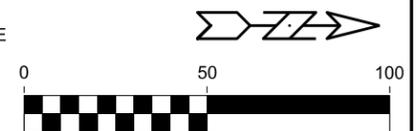
REGRADE EXISTING DITCH ARMOR WITH MEDIUM RIPRAP PER SHEET D-1

UNDERCUT MAY BE REQUIRED IN SECTION OF UNLINED DITCH.

AREAS ADJACENT TO THE CUNETTE SHALL BE RESTORED WITH TOPSOIL, TALL GRASS PRAIRIE SEED MIX, AND CLASS I, URBAN TYPE B ECRM. POLYMER AND COVER CROP SHALL BE INCLUDED.

EROSION CONTROL NOTES:

1. ALL DISTURBED AREAS WITHIN THE GRADING LIMITS SHALL BE TOPSOILED, SEEDING, AND STABILIZED WITH EROSION MATTING OR MULCH (PER PLANS). SEED MIXES VARY THROUGHOUT PROJECT.
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6. STREET SWEEPING SHALL OCCUR AS DIRECTED BY THE CONSTRUCTION ENGINEER.

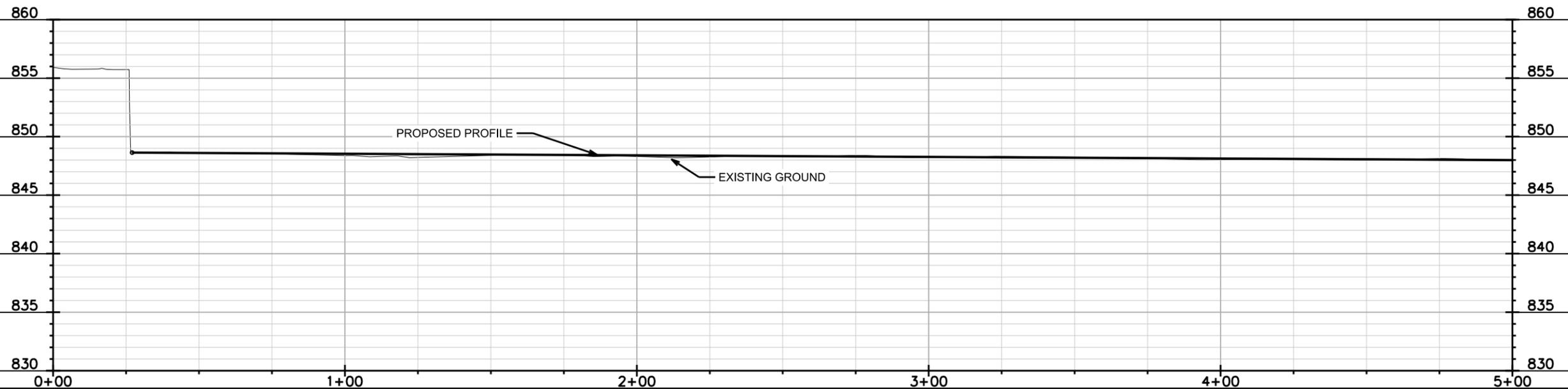
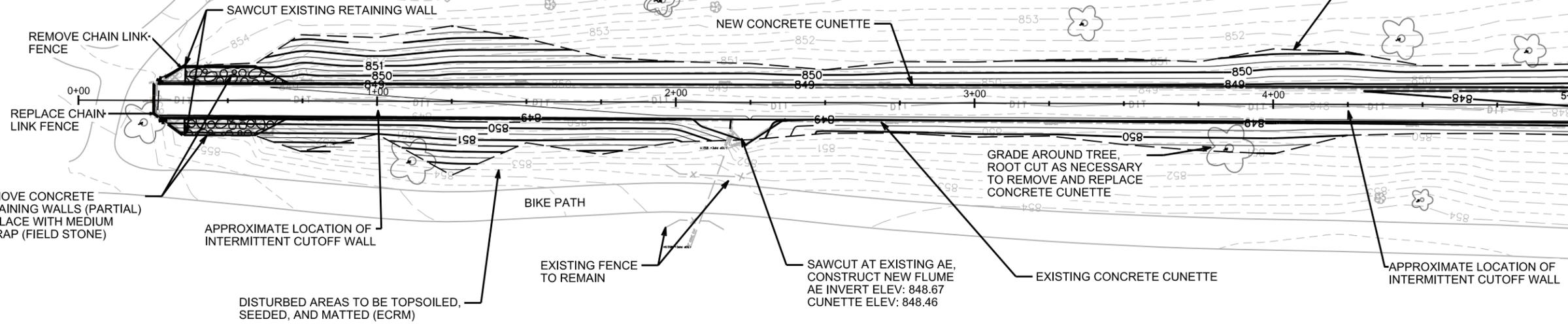


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

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PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

STORM SEWER SCHEDULE

* REV. 10-28-14 SCS

EASTMORLAND PARK GREENWAY	SHEET NO.
PROJECT NO. 53W1663	P-4
STORM SEWER SCHEDULE	
CITY OF MADISON	

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-1	6+90.03	RT-7.16	(1), APRON ENDWALL	--	848.11	--	12" RCP AE W/ GATE
S-2	6+82.88	RT-20.20	(2), FIELD BEND	--	848.23	--	CONTRACTOR TO FIELD FIT
* S-3	11+44.04	LT-9.02	(1), APRON ENDWALL	--	847.01	--	24" RCP AE W/ GATE
S-4	11+44.13	LT-22.30	(3), FIELD BEND	--	847.03	--	CONTRACTOR TO FIELD FIT
S-5	11+95.51	LT-123.52	(3), H INLET	850.25	847.36	2.89	W/R-1878-B7G

PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-1	S-2	12	848.11	848.23	1.00%	12"	RCP	INLET E.I. IS APPROX.
* P-2	S-3	S-4	10	847.01	847.03	0.20%	15"	RCP	
* P-3	S-4	S-5	31	847.36	847.55	0.61%	12"	RCP	
P-4	S-5	(4)	57.0	847.69	848.50	1.42%	8"	DRAIN TILE	INLET E.I. IS APPROX.
P-5	S-5	(5)	235	847.69	848.50	0.34%	8"	DRAIN TILE	INLET E.I. IS APPROX.

PIPE REMOVALS AND ABANDONMENTS

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	PIPE SIZE	TYPE	NOTES
RP-1	EXT. AE	S-2	12	12"	VP	
* RP-2	EXT. AE	S-5	150	12"	VP	

SPECIFIC NOTES

- (1) STATION, LOCATION, AND E.I. IS TO END OF THE APRON CL
- (2) LISTED E.I. IS APPROXIMATE
- (3) T.O.C. ELEVATION LISTED IS APPROXIMATE; SHALL BE FIELD FIT
- (4) APPROXIMATE END OF PIPE: 12+18.96, LT 110.97
- (5) APPROXIMATE END OF PIPE: 8+53.99, LT 247.46

STANDARD NOTES:

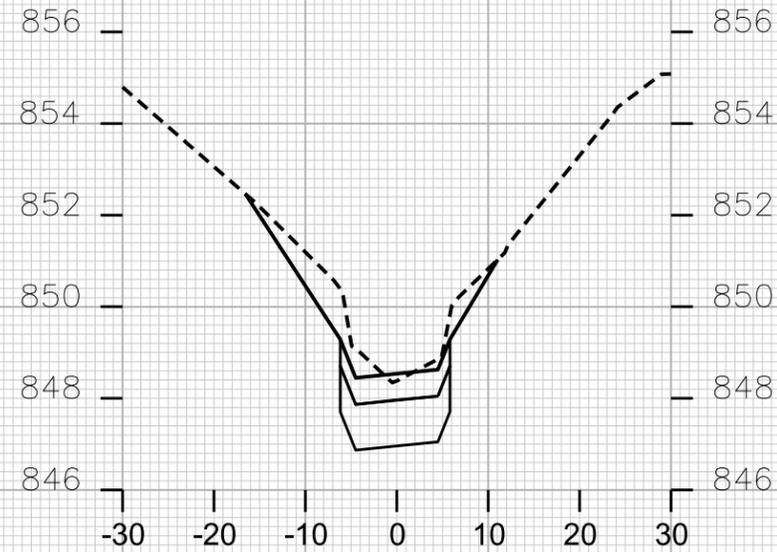
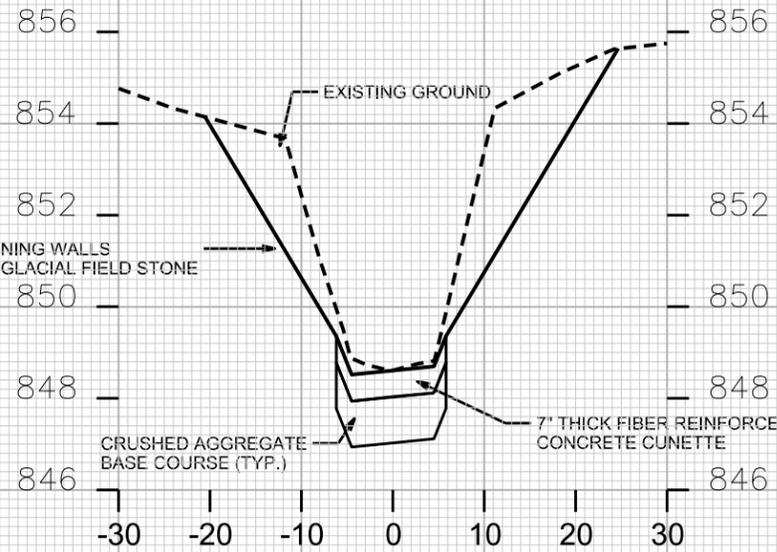
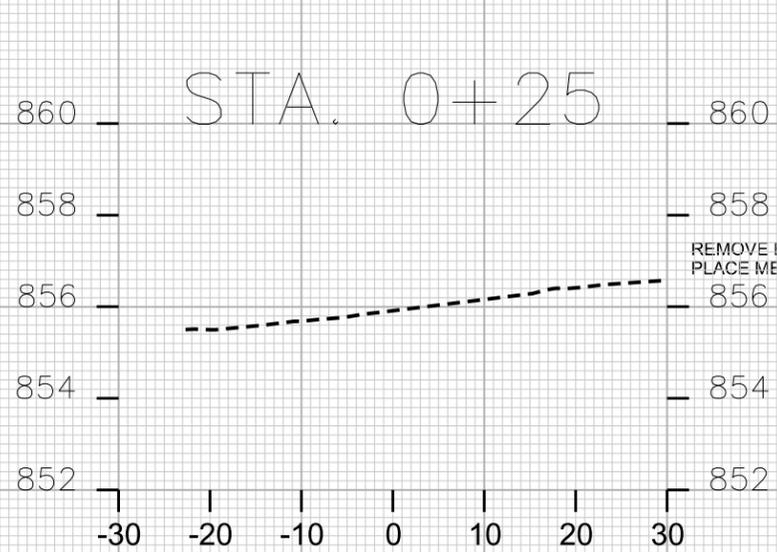
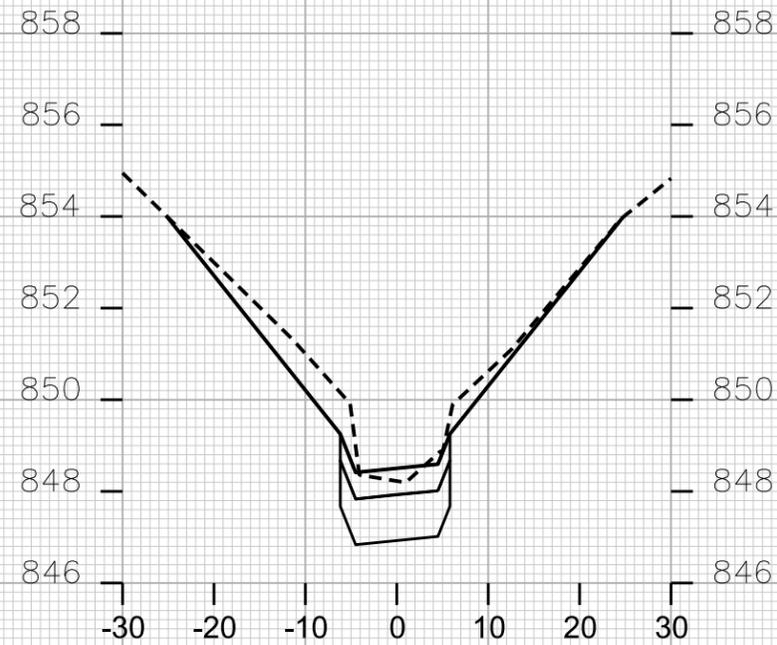
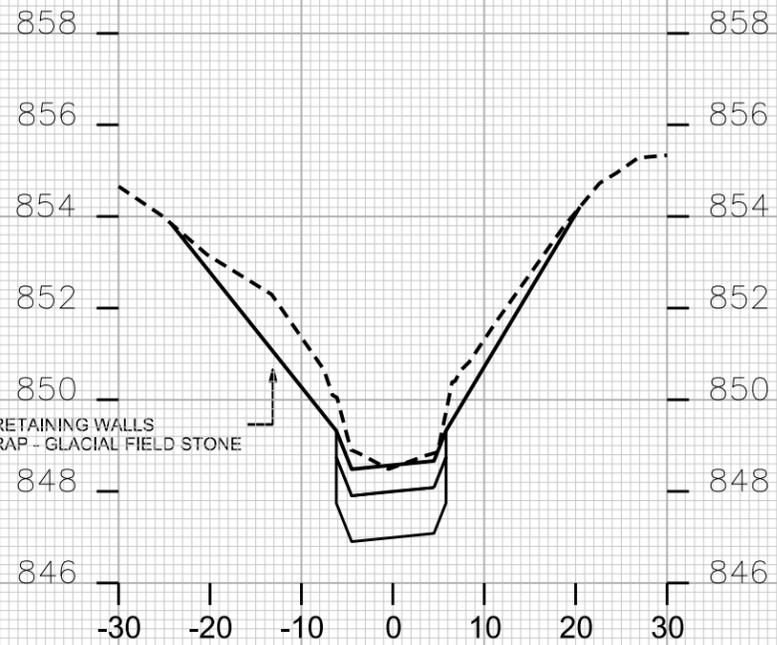
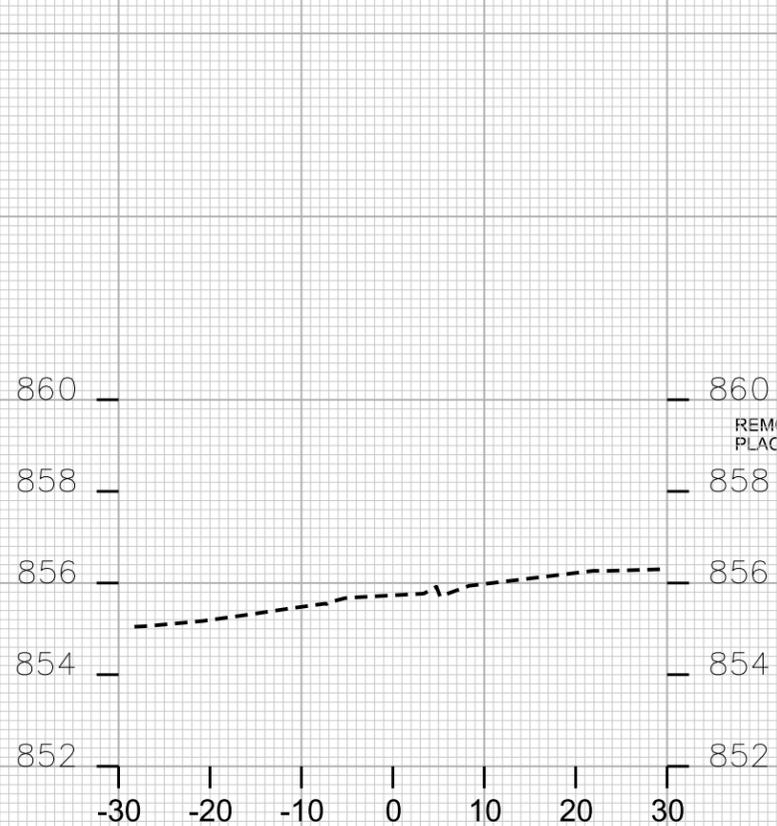
- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT SALLY SWENSON OF CITY ENGINEERING AT (608) 266-4862 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608)264-9275.

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

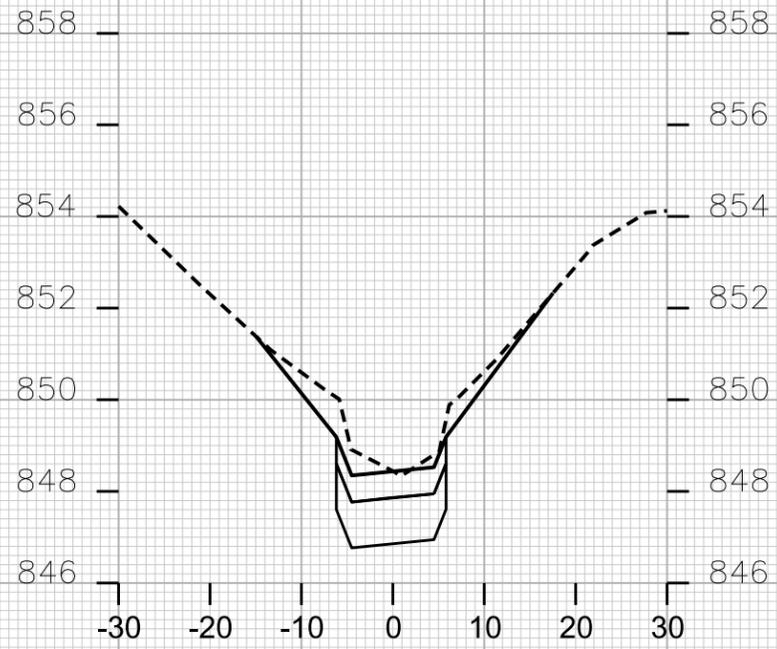


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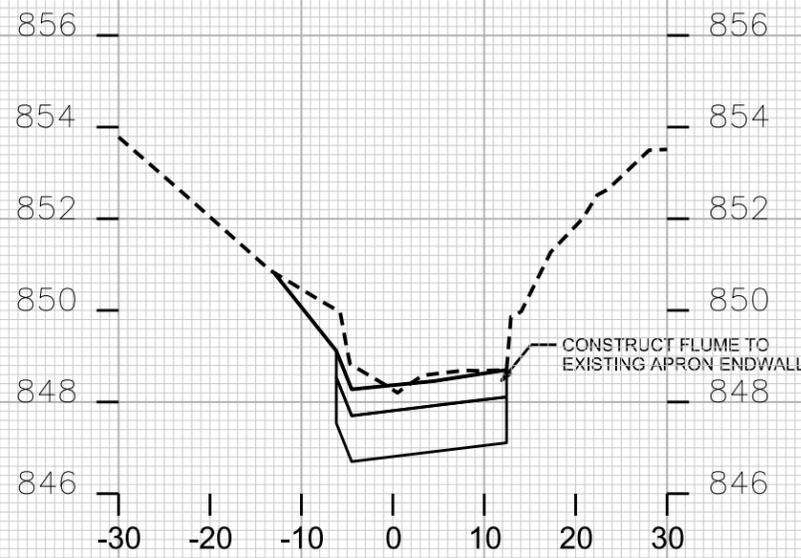
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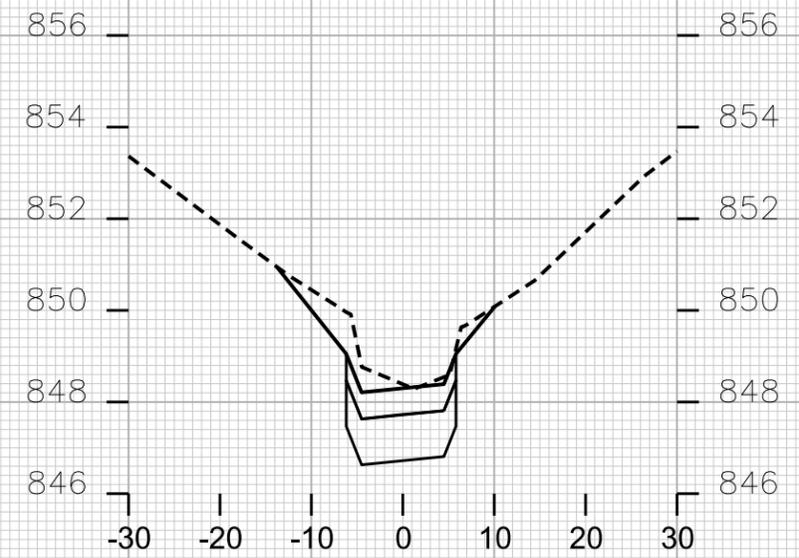
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



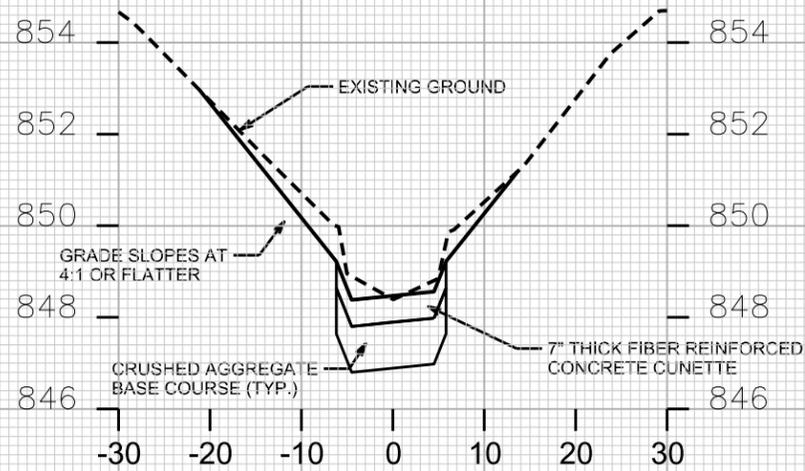
STA. 1+75



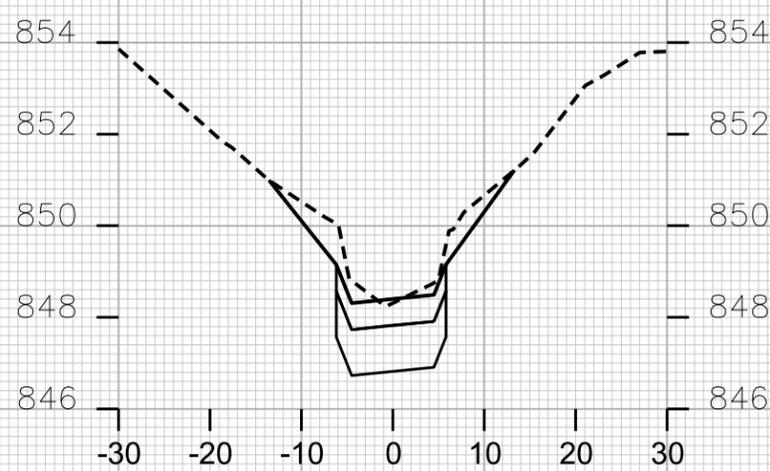
STA. 2+25



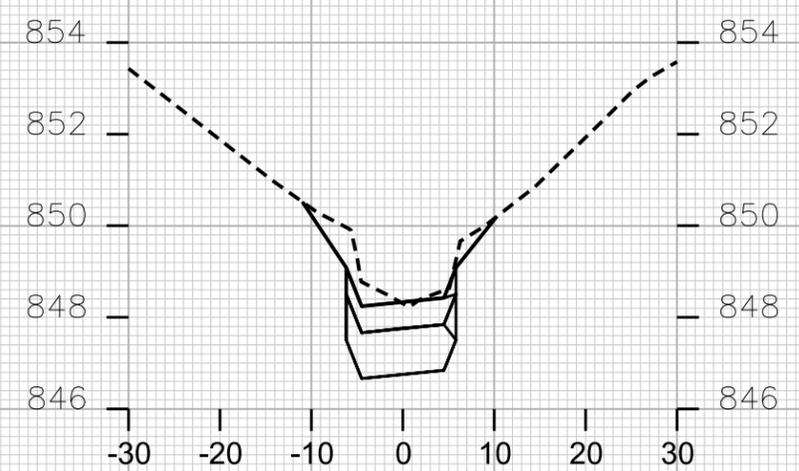
STA. 2+75



STA. 1+50



STA. 2+00



STA. 2+50

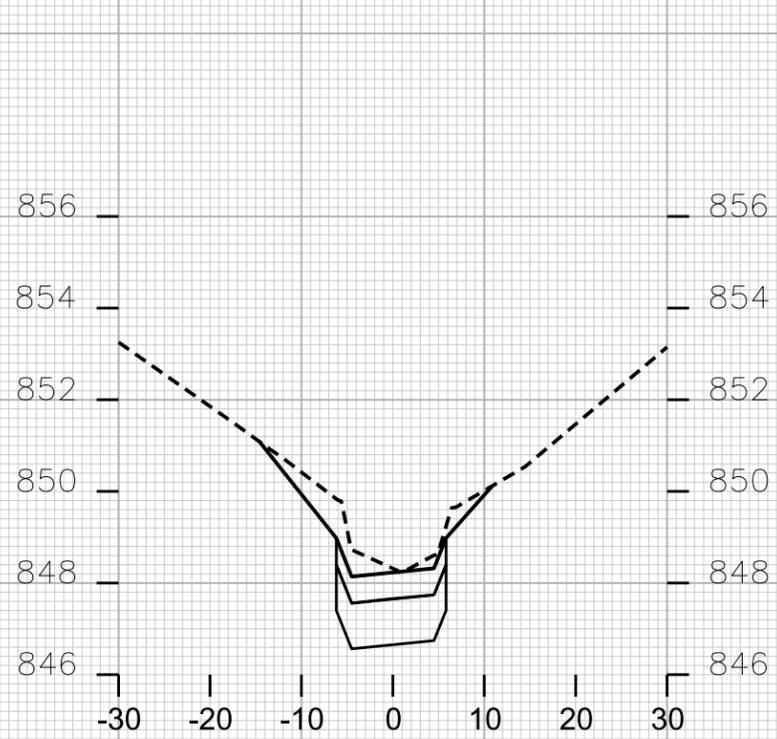


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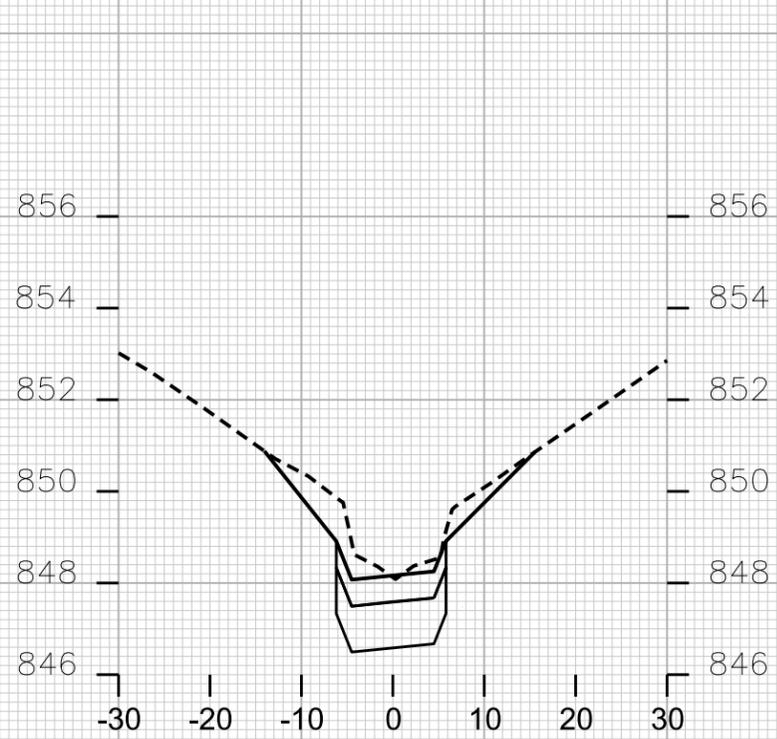
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REV. DATE: _____

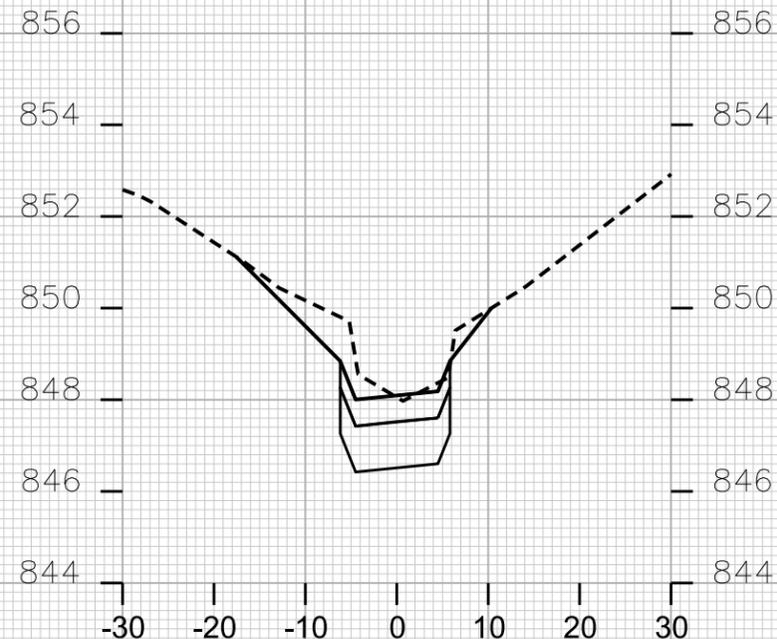
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



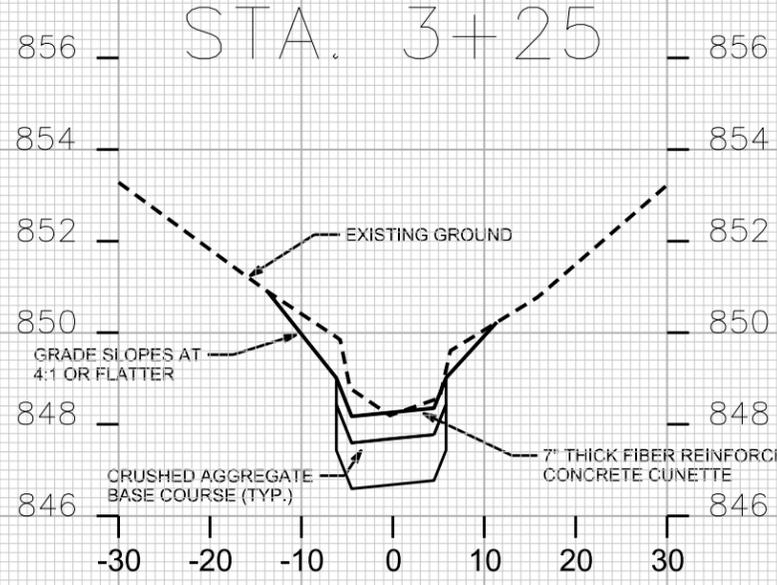
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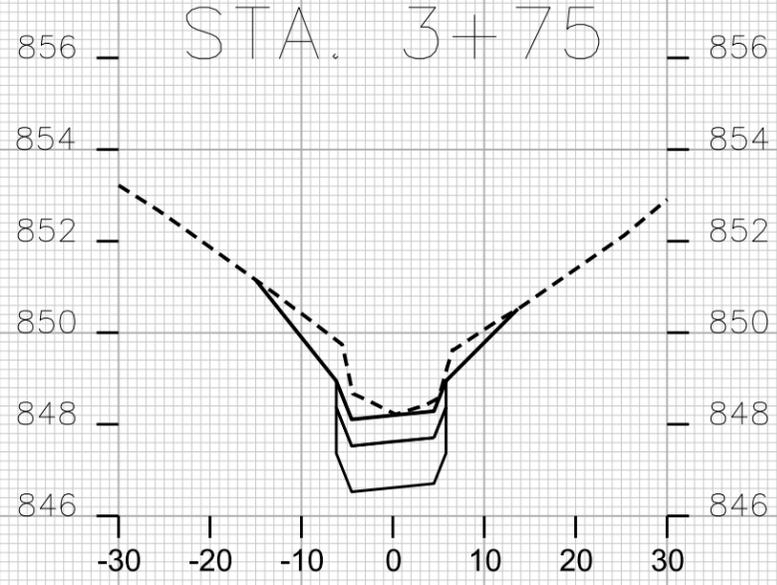
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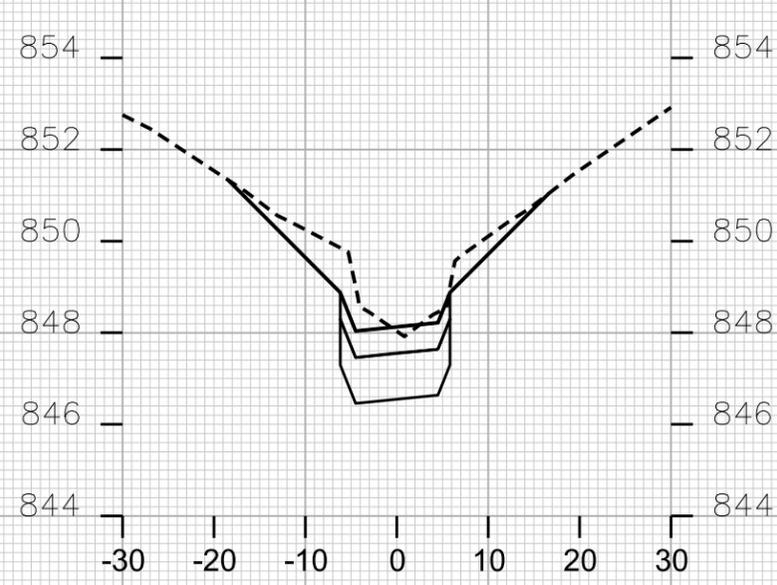
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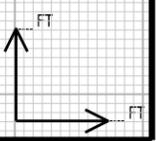
STA. 3+00



STA. 3+50



STA. 4+00



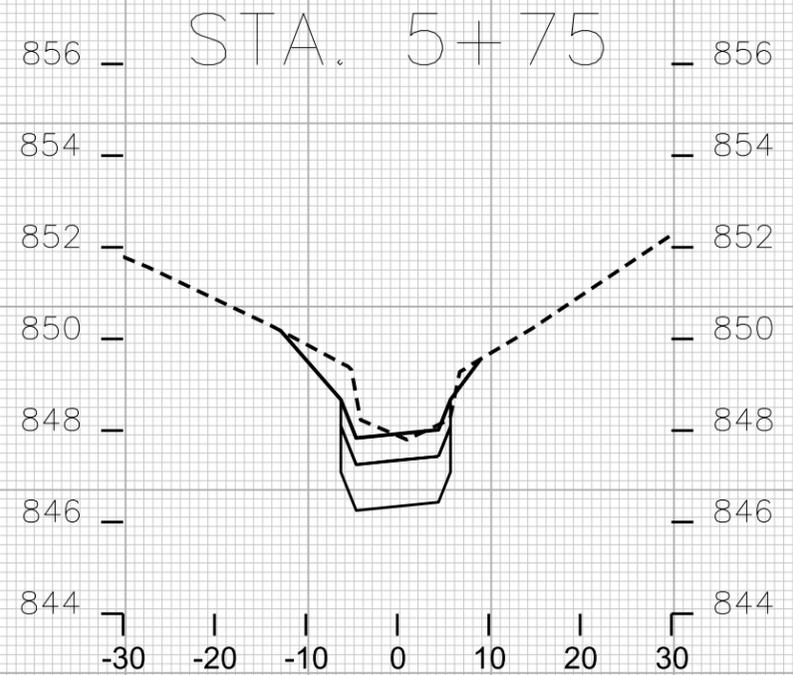
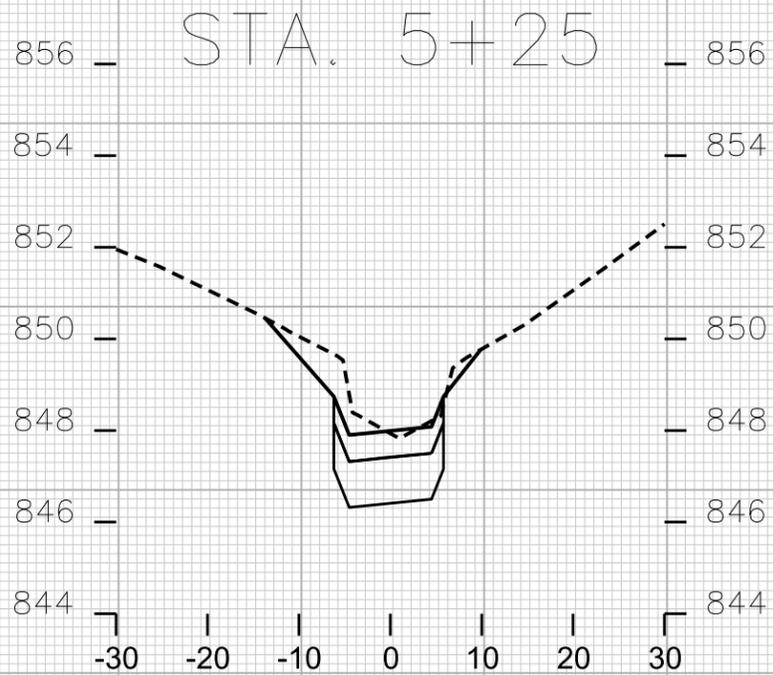
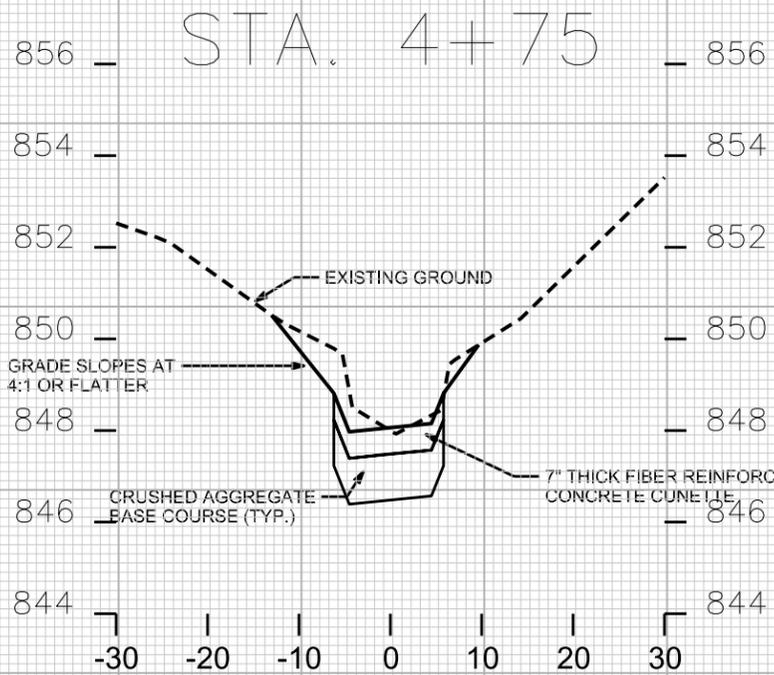
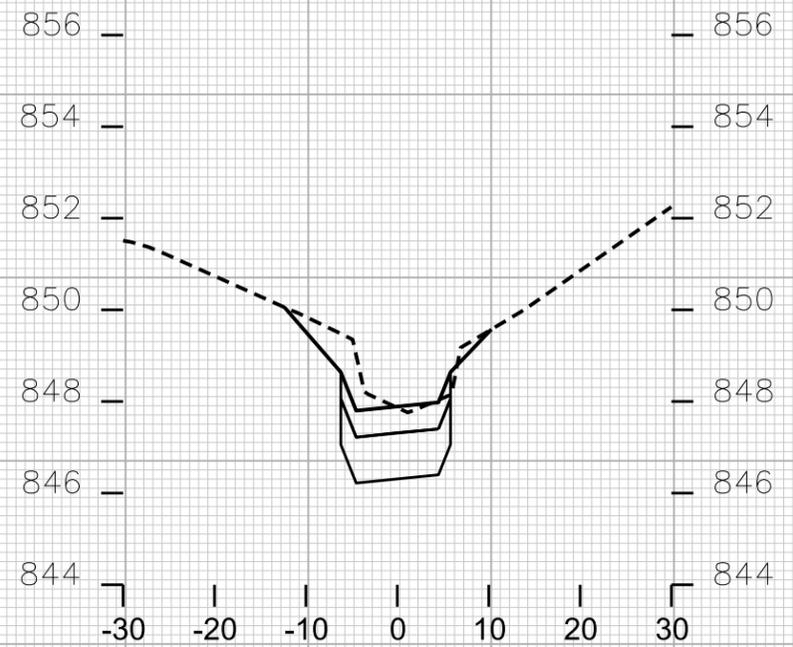
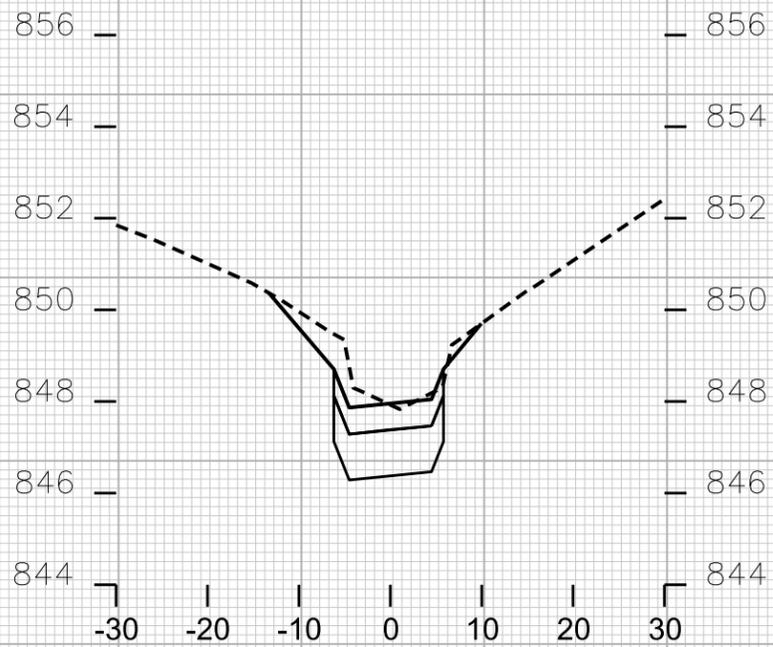
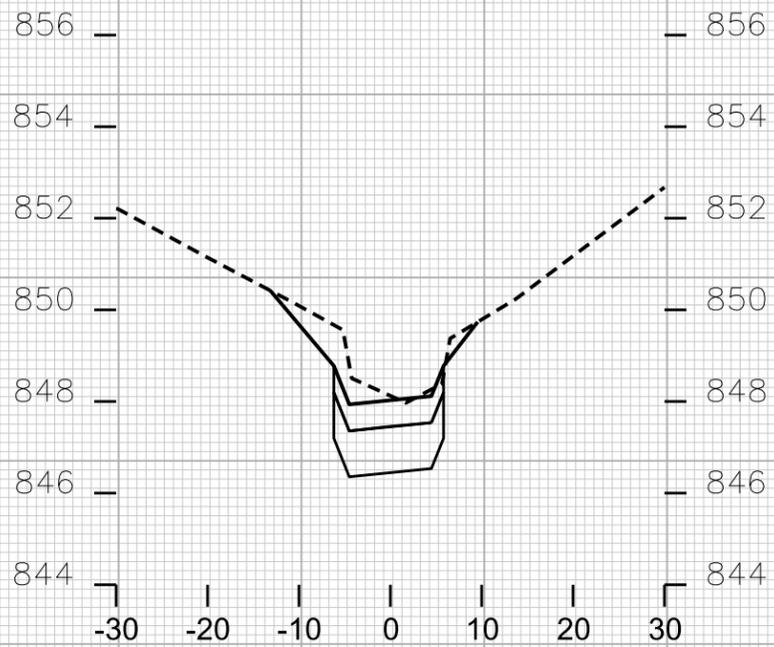
CROSS SECTIONS

CITY OF MADISON

PLOT SCALE: _____
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 4+50

STA. 5+00

STA. 5+50

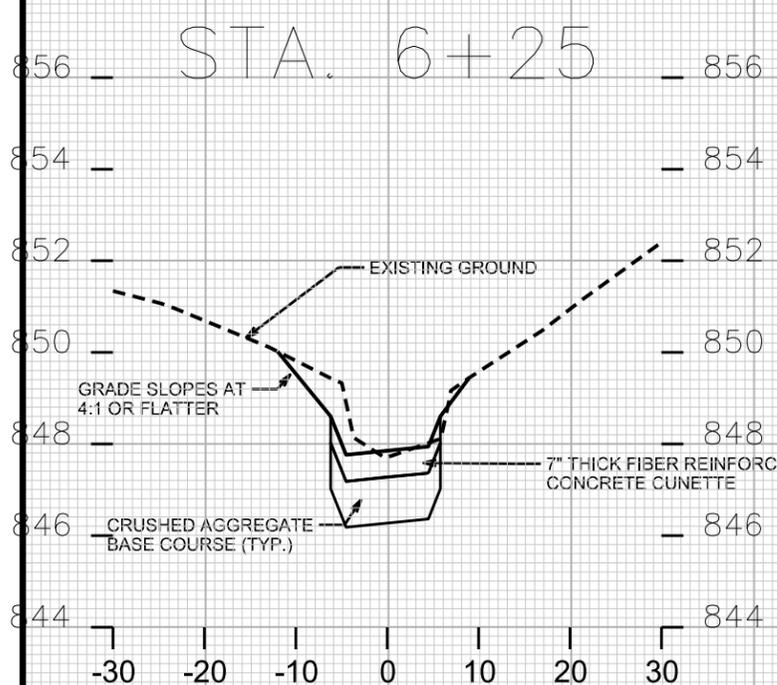
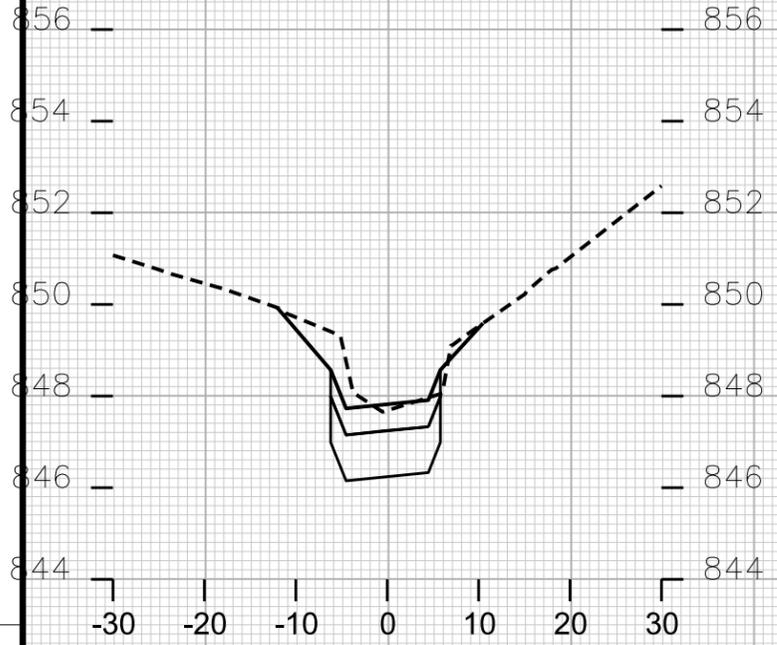


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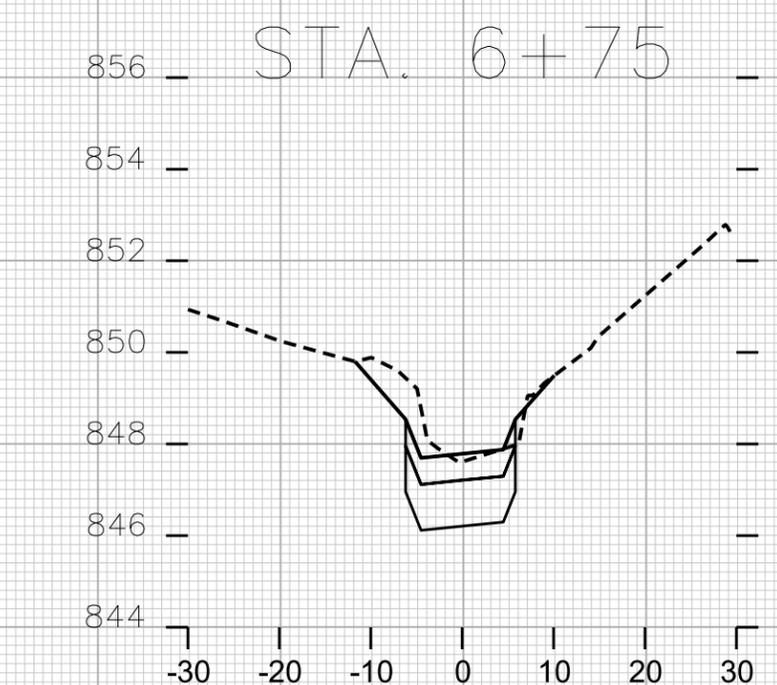
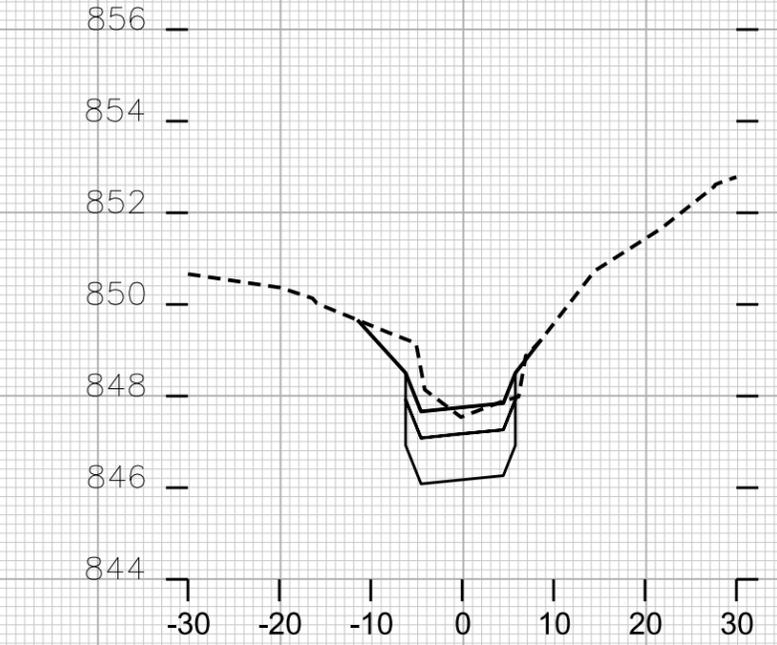
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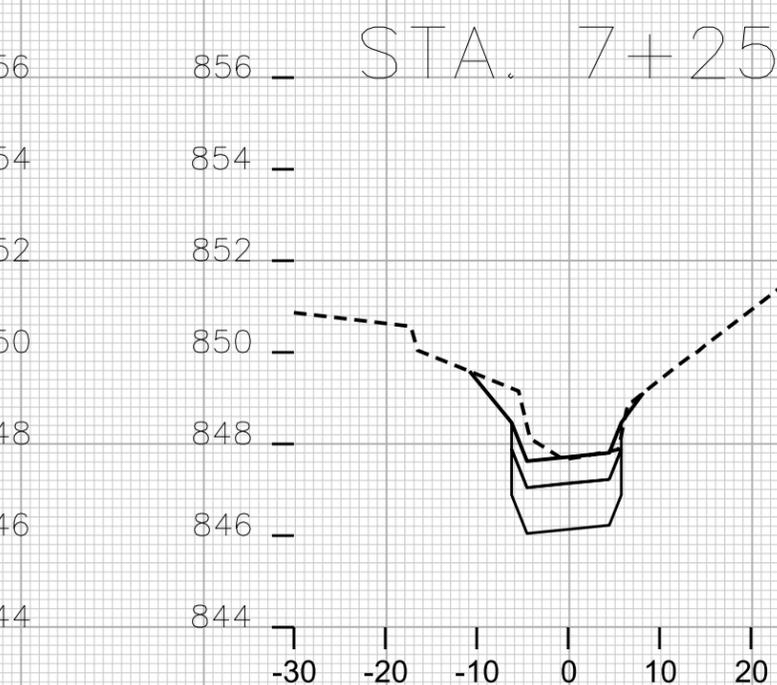
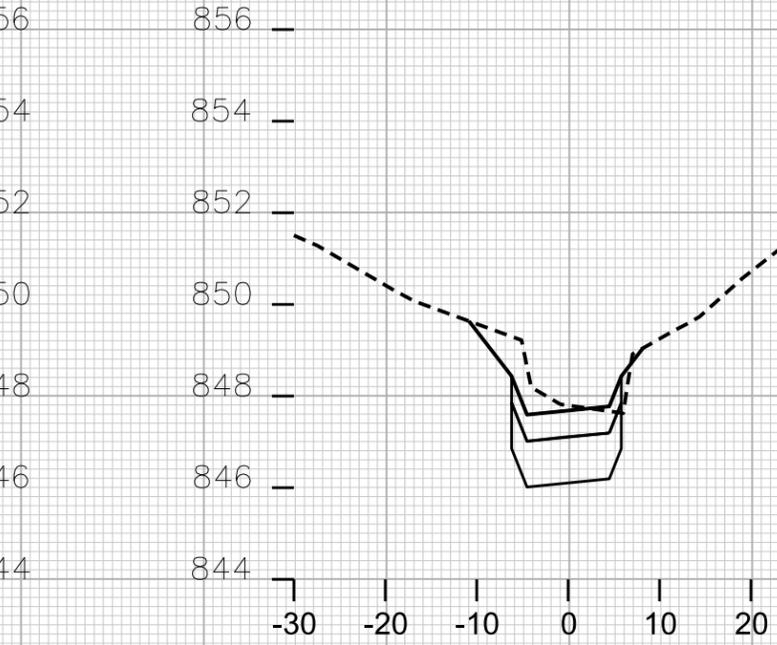
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



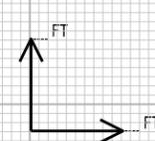
STA. 6+00



STA. 6+50



STA. 7+00

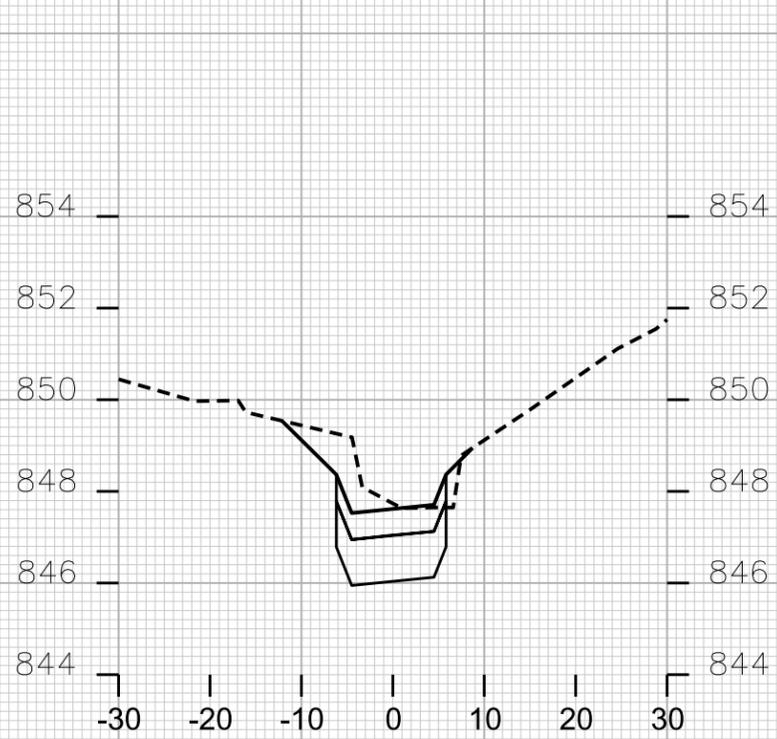


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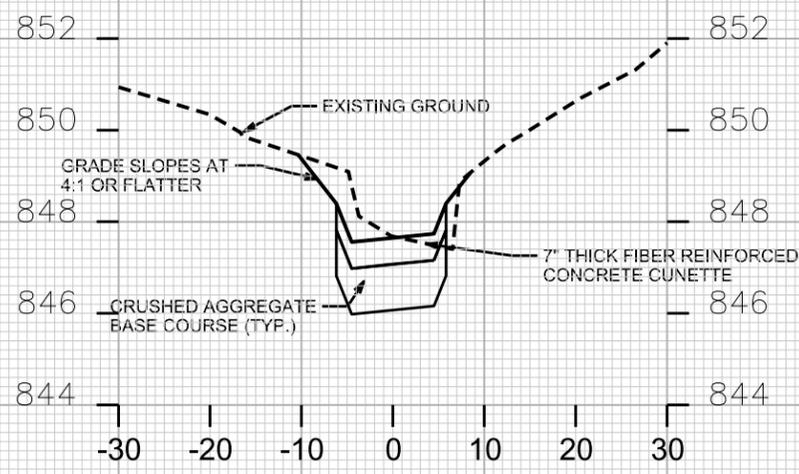
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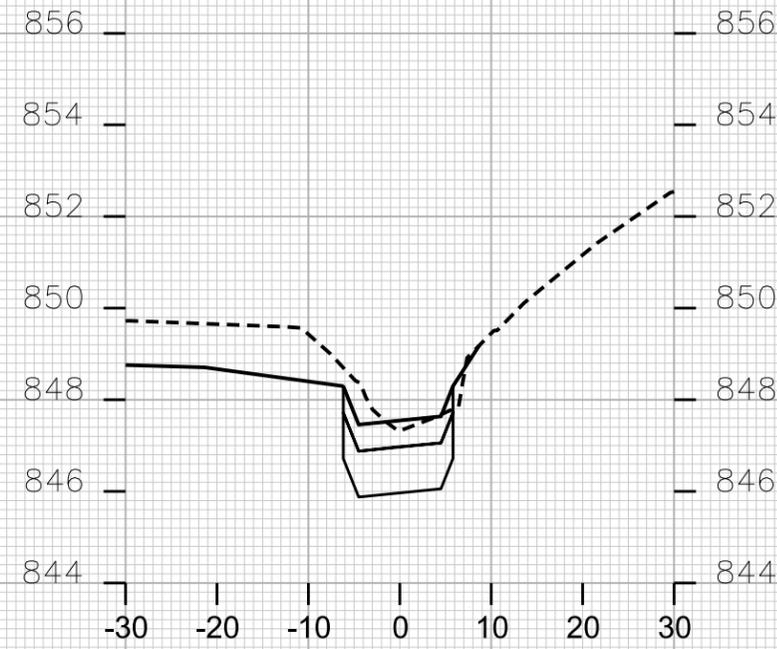
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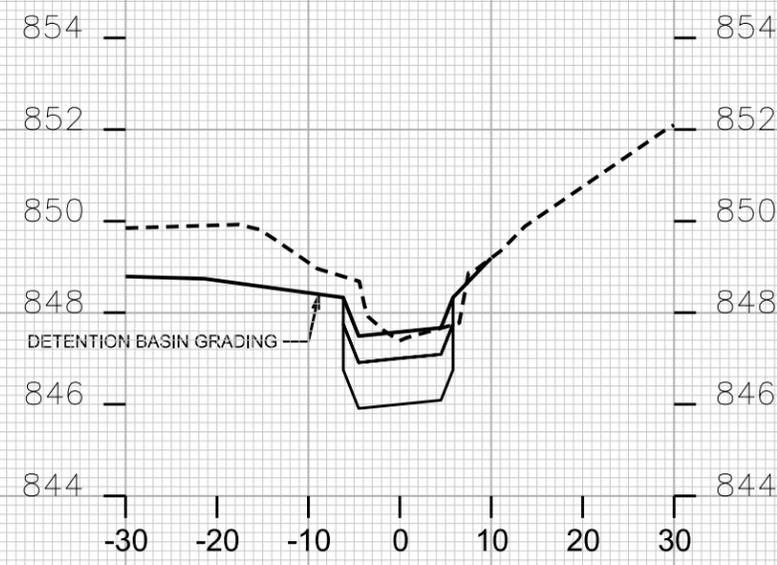
STA. 7+75



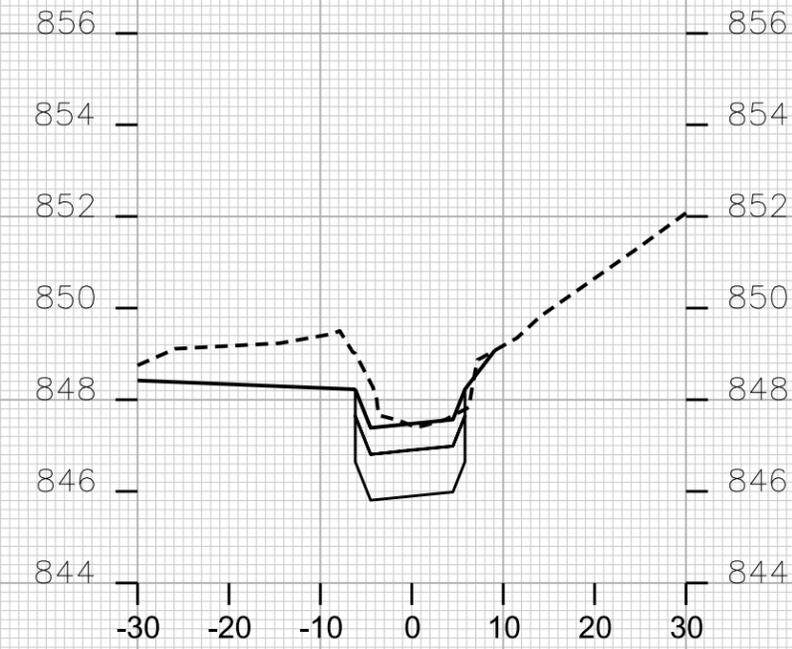
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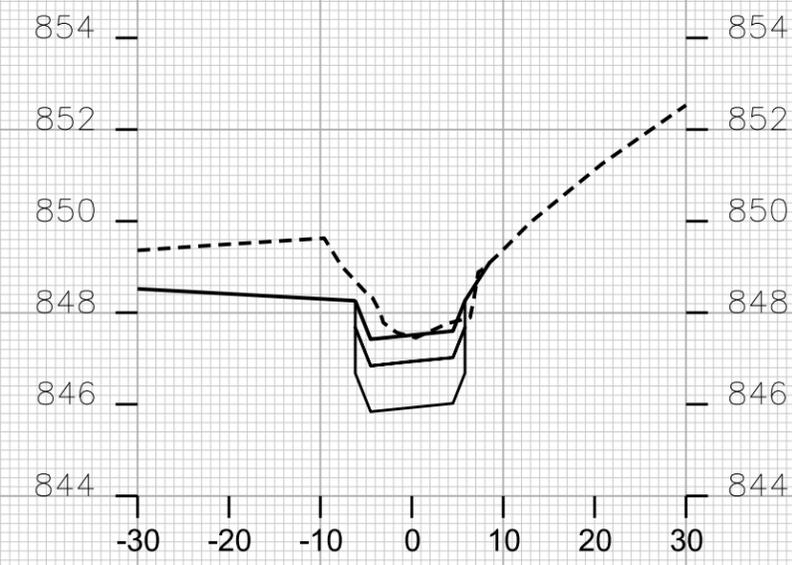
STA. 8+25



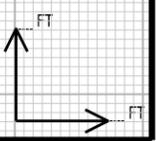
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STA. 8+75



STA. 8+50



CROSS SECTIONS

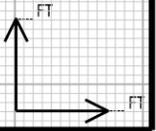
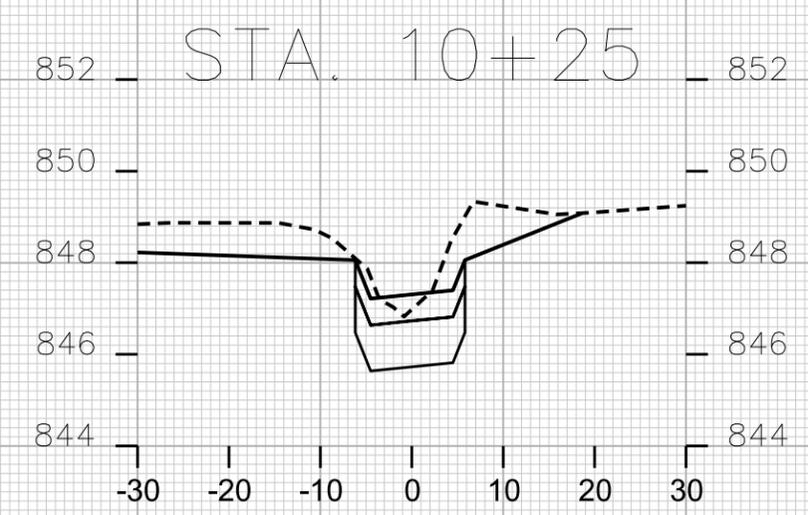
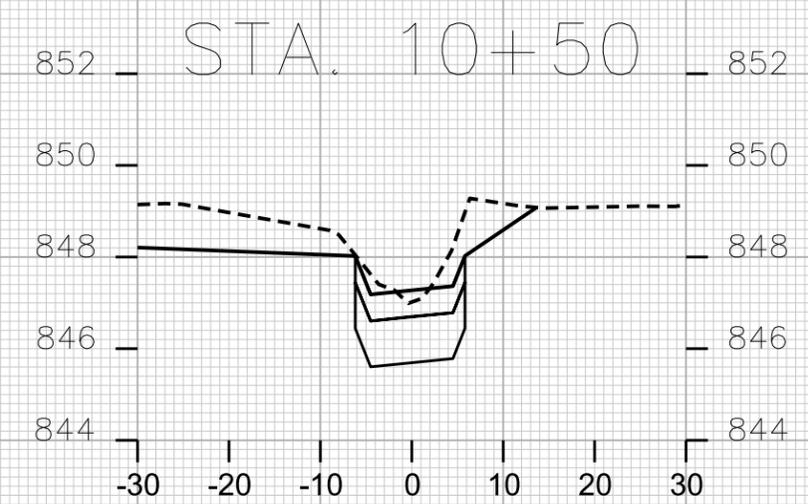
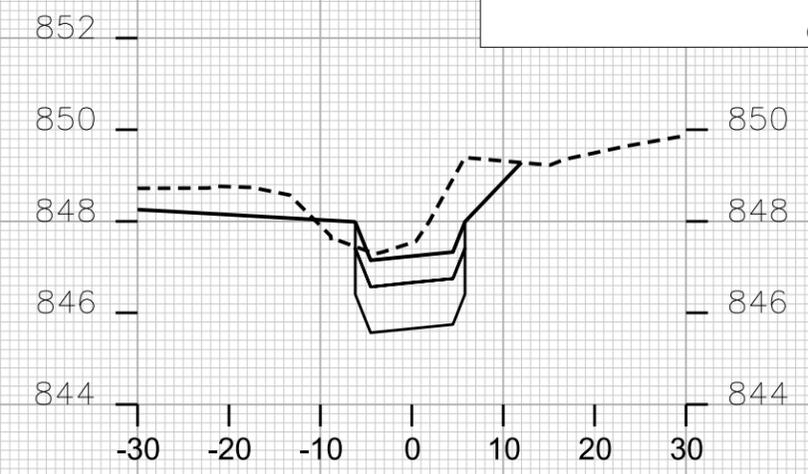
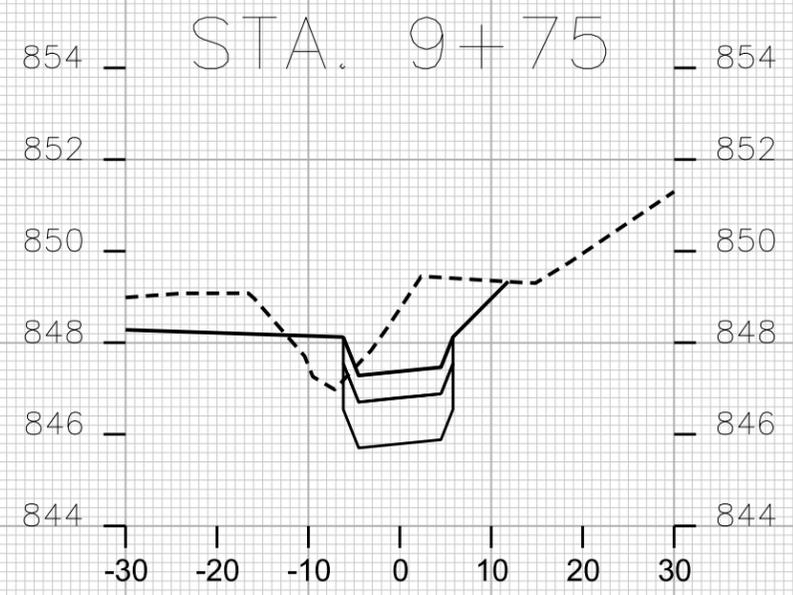
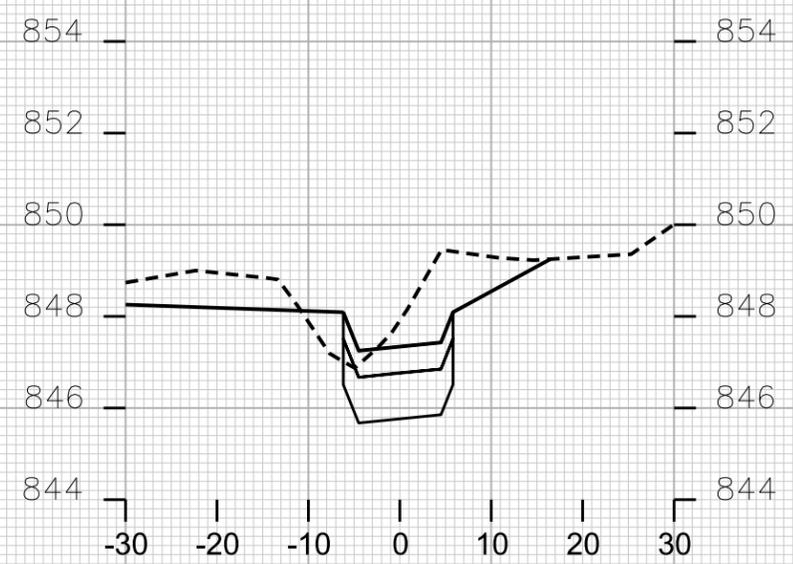
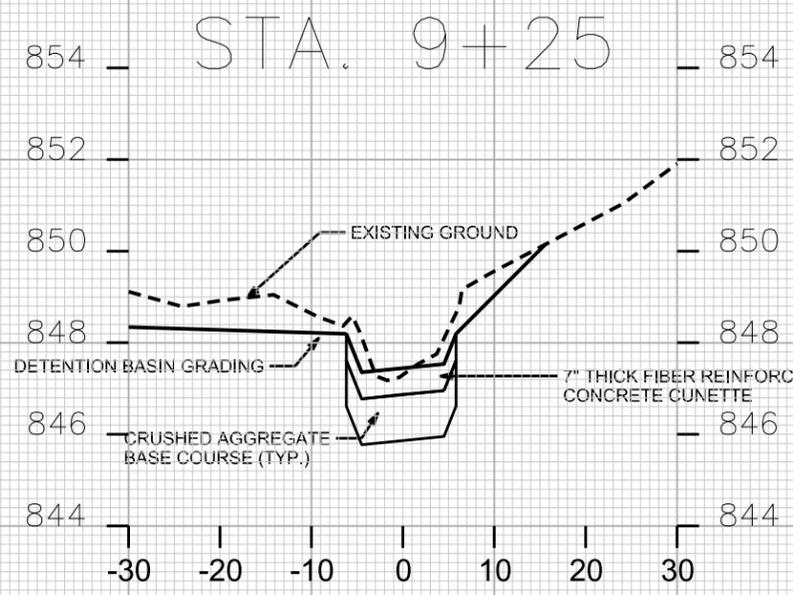
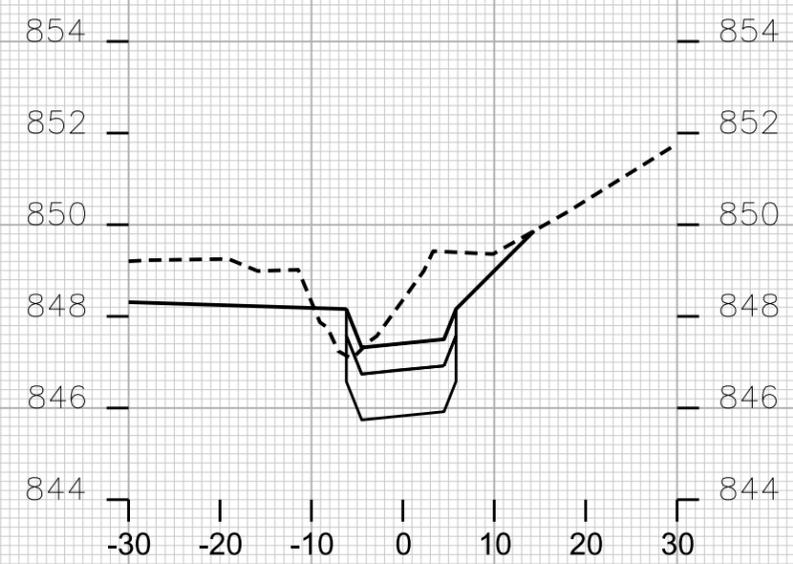
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

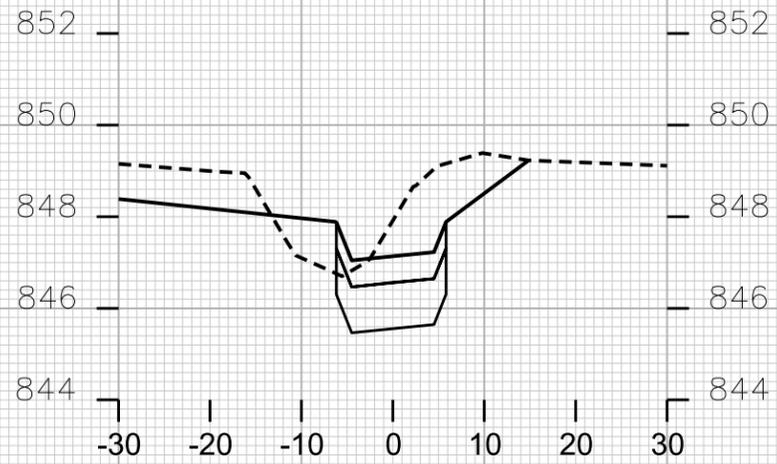
CITY OF MADISON

PLOT SCALE: _____

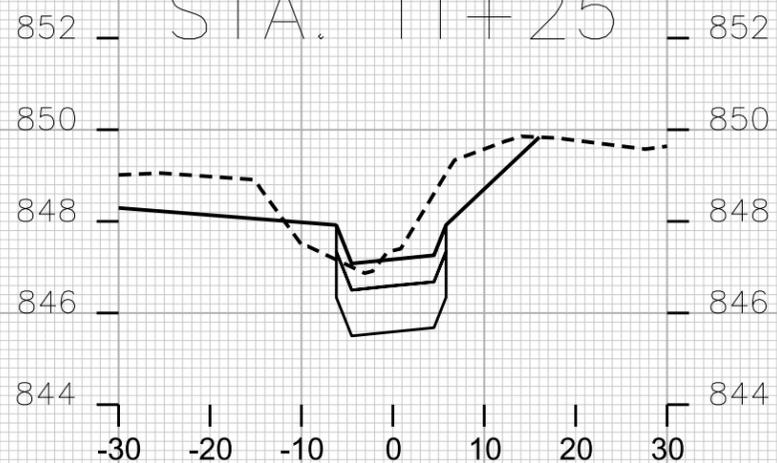
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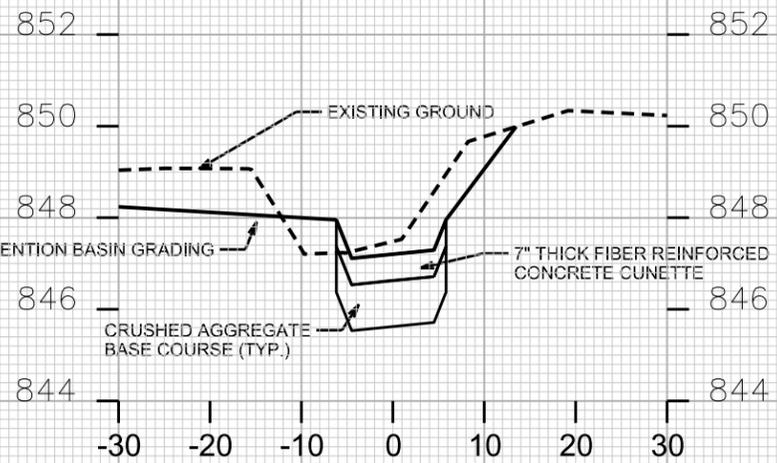
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



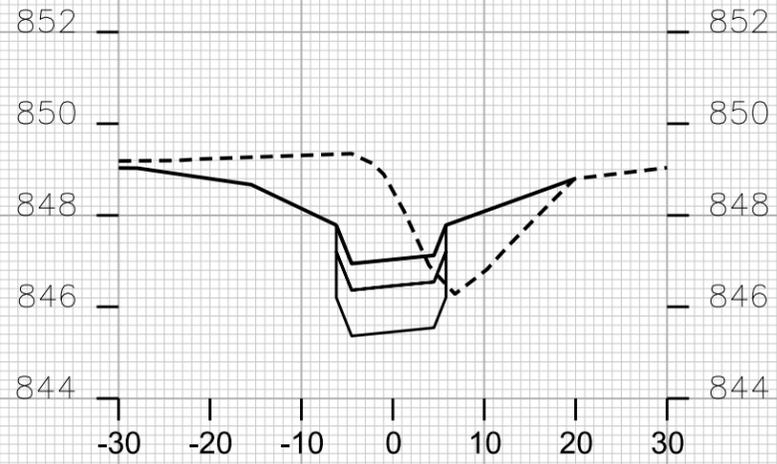
STA. 11+25



STA. 11+00



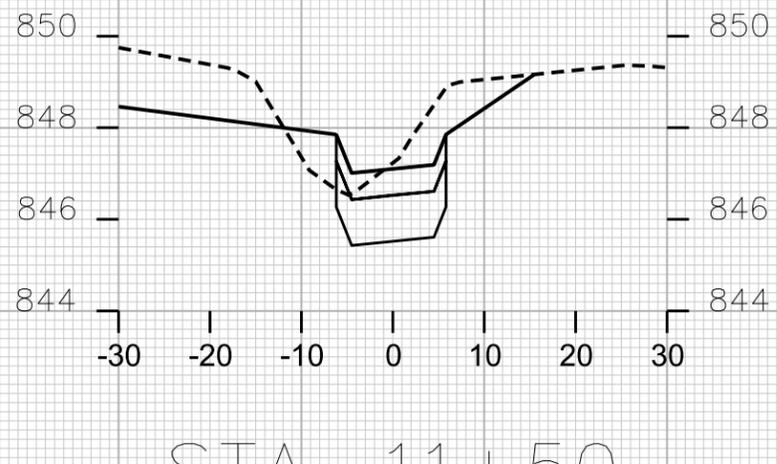
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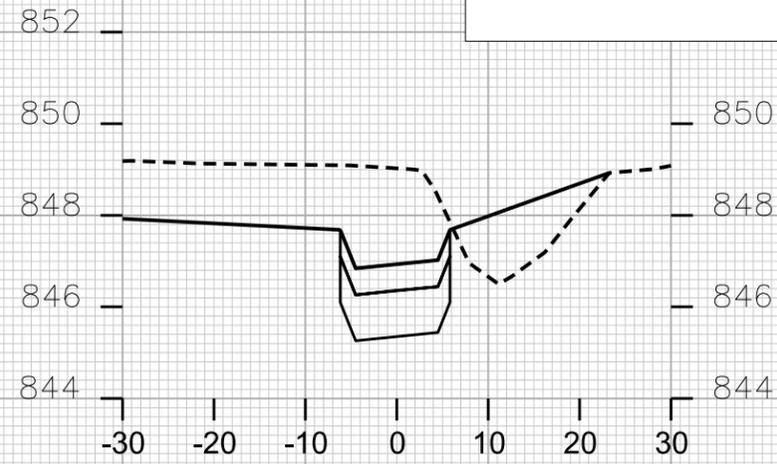
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STA. 11+75



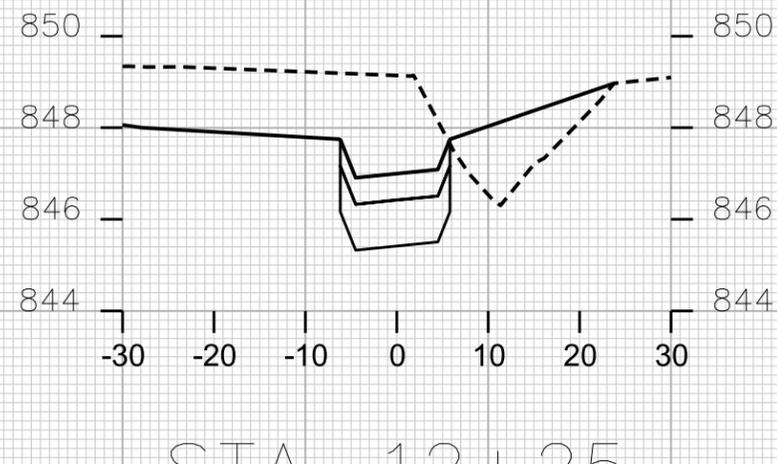
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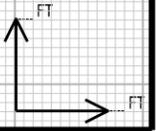
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STA. 12+50



STA. 12+25

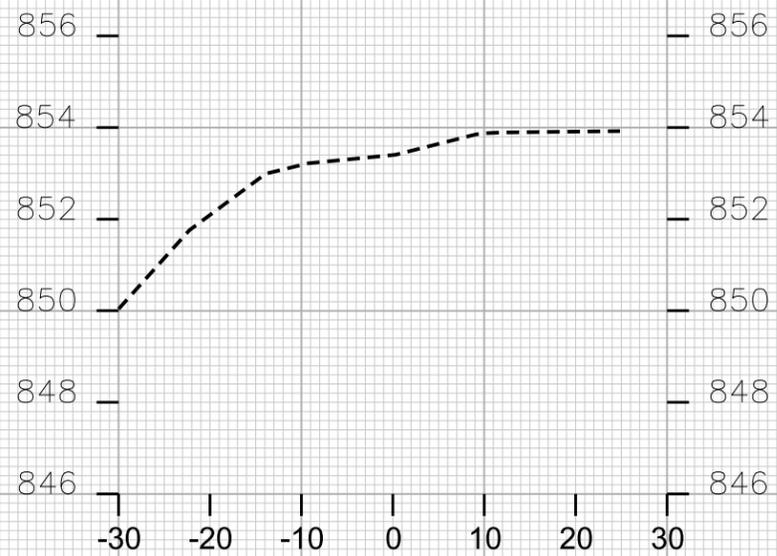
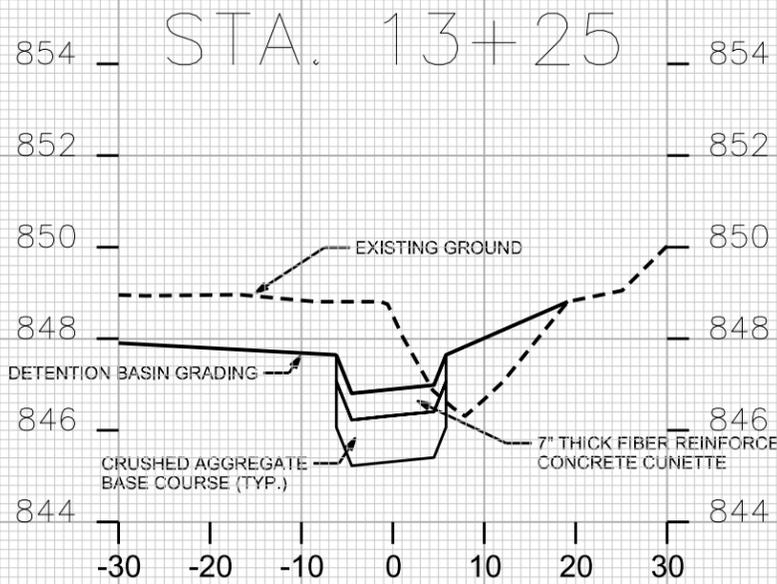


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 13+00

STA. 13+46

