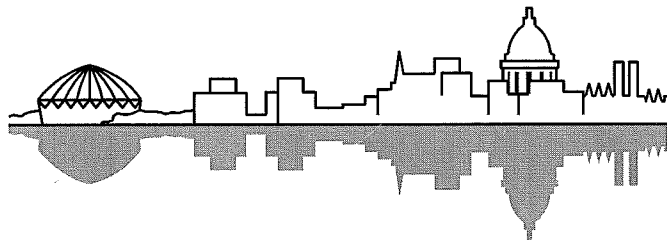


**TENNEY LAGOON SHORELINE ADDITIONAL TREE REMOVAL SCHEDULE**

<b>ID #</b>	<b>Species</b>	<b># OF TRUNKS</b>	<b>TOTAL DBH</b>	<b>GRUB STUMP?</b>
2	Black Locust	1	14	Herbicide
10	Black Locust	1	10	Herbicide
11	Black Locust	2	16	Herbicide
14	Black Locust	1	12	Herbicide
17	Black Locust	1	11	Herbicide
18	Black Locust	1	14	Herbicide
22	Black Locust	3	30	Herbicide
29	Black Locust	1	12	Herbicide
30	Black Locust	1	6	Herbicide
41	Black Locust	1	8	Herbicide
58	Black Locust	4	19	Herbicide
71	Black Locust	1	6	Herbicide
75	Black Locust	2	11	Herbicide
76	Black Locust	1	6	Herbicide
79	Black Locust	1	8	Herbicide
80	Black Locust	1	8	Herbicide
84	Black Locust	1	3	Herbicide
86	Black Locust	1	8	Herbicide
87	Black Locust	1	5	Herbicide
88	Black Locust	1	7	Herbicide
89	Black Locust	1	9	Herbicide
90	Black Locust	1	8	Herbicide
92	Black Locust	1	5	Herbicide
93	Black Locust	1	4	Herbicide
95	Black Locust	1	5	Herbicide
105	Black Locust	2	7	Herbicide
109	Black Locust	4	18	Herbicide
110	Black Locust	3	10	Herbicide
127	Black Locust	1	13	Herbicide
136	Black Locust	1	8	Herbicide
317	Black Locust	1	13	Herbicide
336	Black Locust	1	4	Herbicide
434	Black Locust	1	3	Herbicide
443	Larch	1	13	Herbicide



Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

## PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

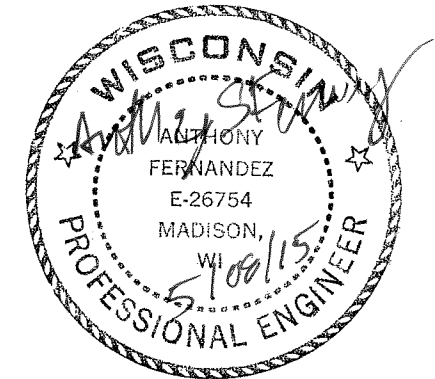
APRIL 21, 2015

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

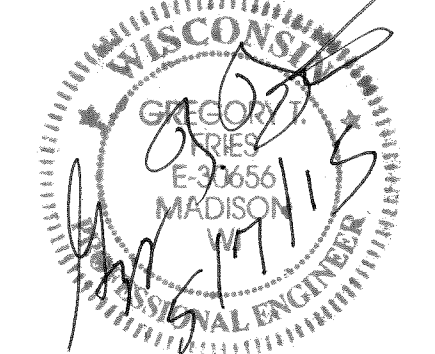
PUBLIC IMPROVEMENT DESIGN APPROVED BY:

*[Signature]* 5/8/15  
City Engineer Date

BIKE PATH DESIGNED BY:



STORM SEWER APPROVED BY:



INDEX OF SHEETS

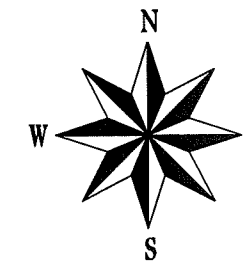
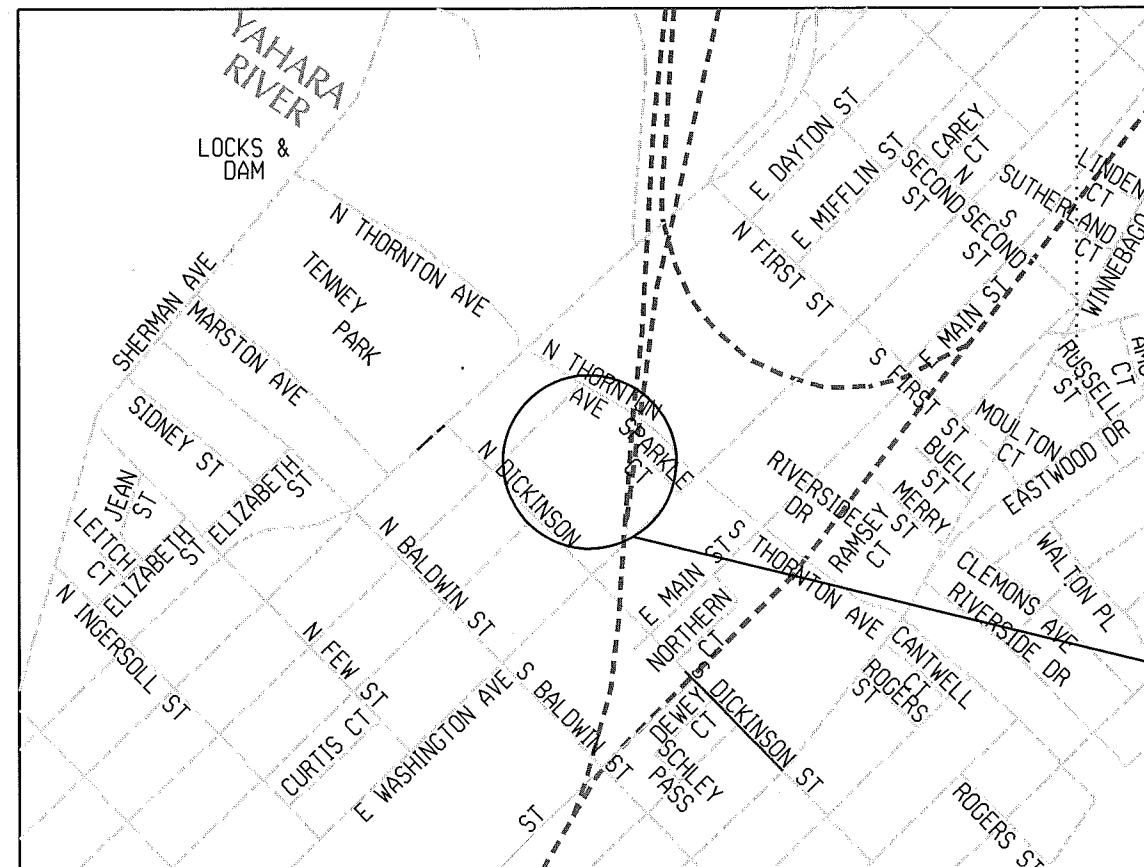
SHEET NO.	TITLE
1	
D1-D3	BIKE PATH DETAILS
D4-D7	SHORELINE DETAILS
C1	CLEARING SHEET INDEX
C2-C5	CLEARING PLANS
P1-P3	BIKE PATH PLAN & PROFILES
MI	PAVEMENT MARKING PLAN
E1-E2	ELECTRICAL DETAILS
X1-X4	BIKE PATH CROSS SECTIONS
U1	SHORELINE SHEET INDEX
U2-U9	SHORELINE TREATMENT PLAN SHEETS
U10-U11	SHORELINE TREATMENT SCHEDULES
U-12	STORM SEWER SCHEDULES

## TENNEY LAGOON SHORELINE RESTORATION & TENNEY PARK (E. JOHNSON ST.) BIKE PATH

CITY PROJECT NOs. 53W1820/53W1679 MUNIS NO. 1033210529

CITY CONTRACT NO. 7386

CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
OVERHEAD ELECTRIC	— OH —
POWER POLE	⊕
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	□
UTILITY WARNING	⚡



CONSTRUCTION PROJECT LOCATION

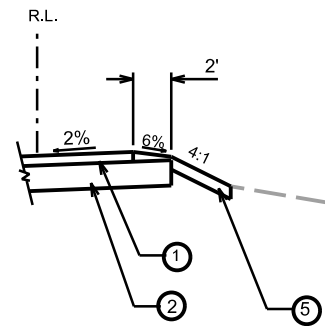
NOTE: SEE PAGE D-1 FOR BIKE PATH EARTHWORK QUANTITIES

PLOT SCALE:

PLOT NAME:

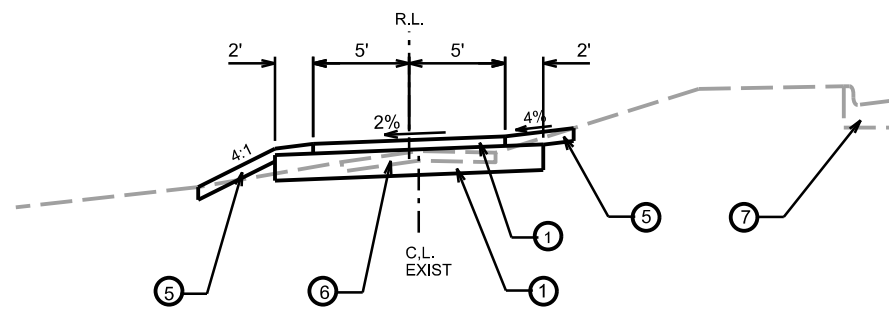
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



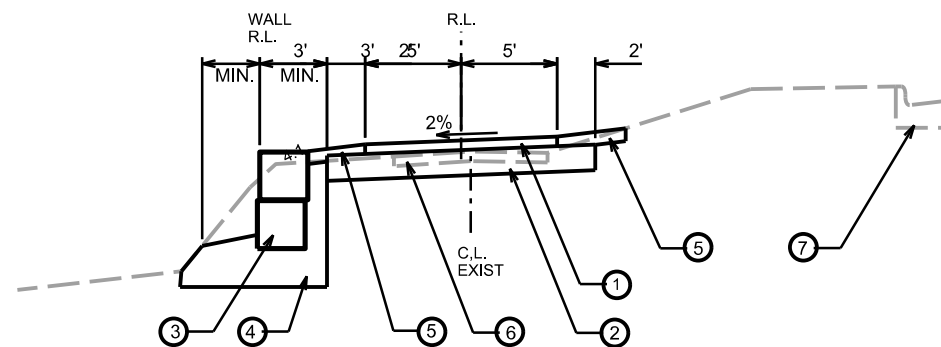
**RIGHT SHOULDER CONDITION**

STA 11+25 TO STA 12+70  
STA 14+60 TO STA 15+50  
STA 18+00 TO STA 18+75



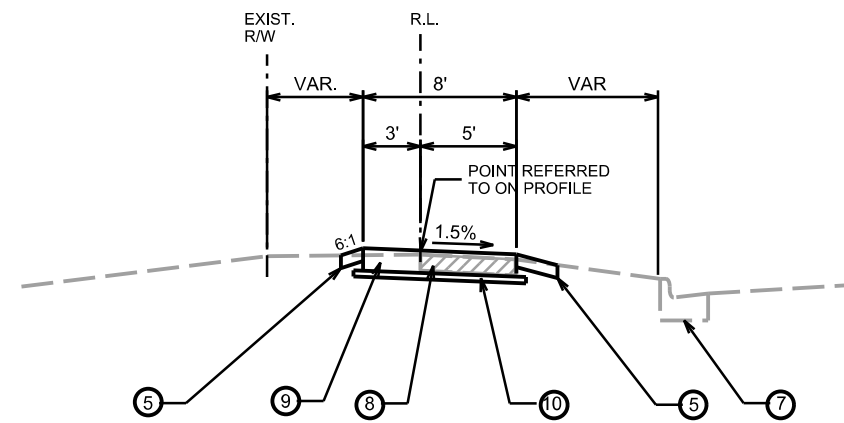
**PROPOSED TYPICAL SECTION**

TENNEY PATH STA 10+62 TO STA 12+70  
TENNEY PATH STA 14+60 TO STA 16+35  
TENNEY PATH STA 17+90 TO STA 19+75



**PROPOSED TYPICAL SECTION**

TENNEY PATH STA 12+70 TO STA 14+60  
TENNEY PATH STA 16+35 TO STA 17+90



**PROPOSED TYPICAL SECTION**

E. JOHNSON SIDEWALK STA 7+90 TO STA 10+10

**LEGEND**

- ① 3" HMA PAVEMENT (NOTE 1)
- ② 8" CRUSHED AGGREGATE BASE COURSE (GRAD. NO. 2)
- ③ LIMESTONE SHORELINE PROTECTION (SEE DETAIL)
- ④ CRUSHED AGGREGATE BASE GRAD. NO. 1 (3" CLEAR) NOTE 3
- ⑤ 4-INCH MIN. TOPSOIL, SEED AND MATTING
- ⑥ REMOVE EXIST. ASPHALT PATH (EXCAVATION CUT)
- ⑦ EXISTING CONCRETE CURB TO REMAIN
- ⑧ REMOVE EXISTING CONCRETE SIDEWALK
- ⑨ 7-INCH CONCRETE SIDEWALK
- ⑩ 2" GRANULAR FILL (INCIDENTAL)

**NOTES:**

1. WHERE DITCH ELEVATIONS NOT SHOWN ON CROSS SECTIONS OFFSET TO DITCH IS 2' AND FLOW LINE ELEVATION IS 0.5' BELOW SHOULDER POINT.
2. FILL SLOPES FOR MAIN PATH ARE 4:1 UNLESS OTHERWISE SHOWN ON ON CROSS SECTIONS.
3. EXCAVATION FOR LIMESTONE SHORELINE AND CURSHED AGGREGATE BEDDING SHALL BE INCIDENTAL TO LIMESTONE SHORELINE FOR PATHS

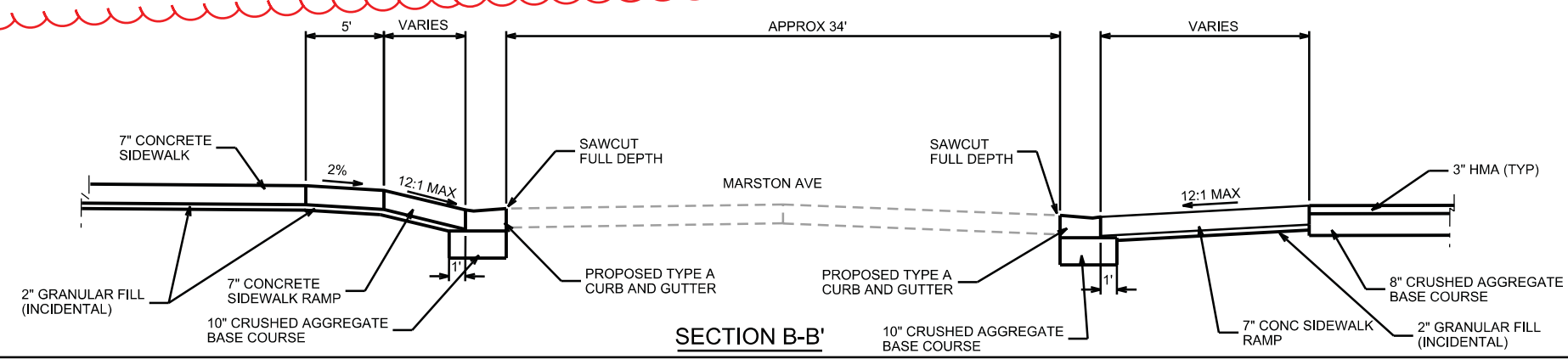
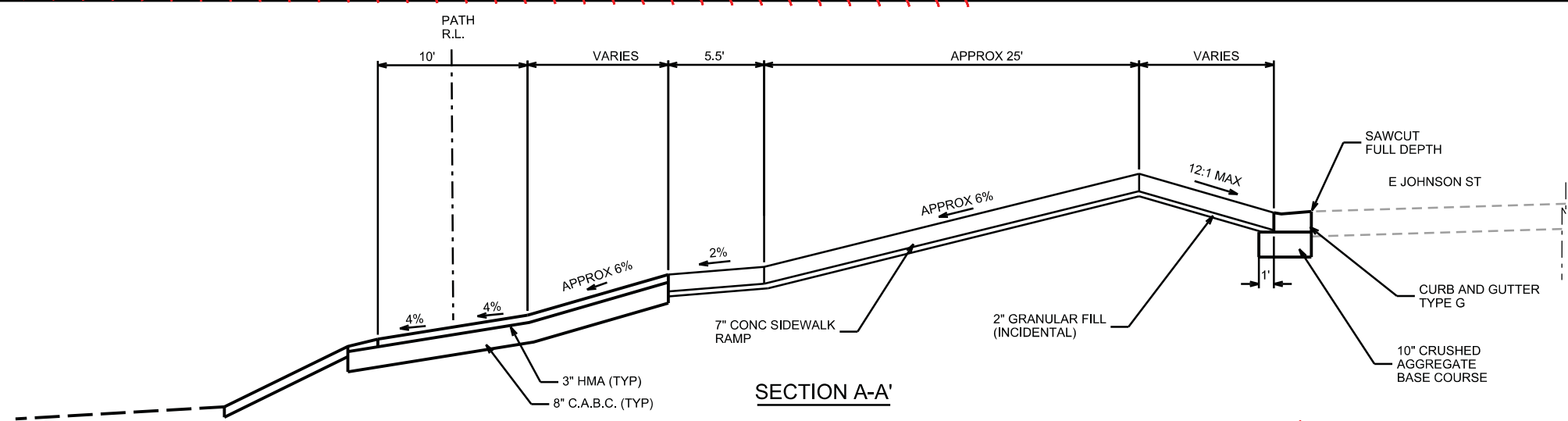
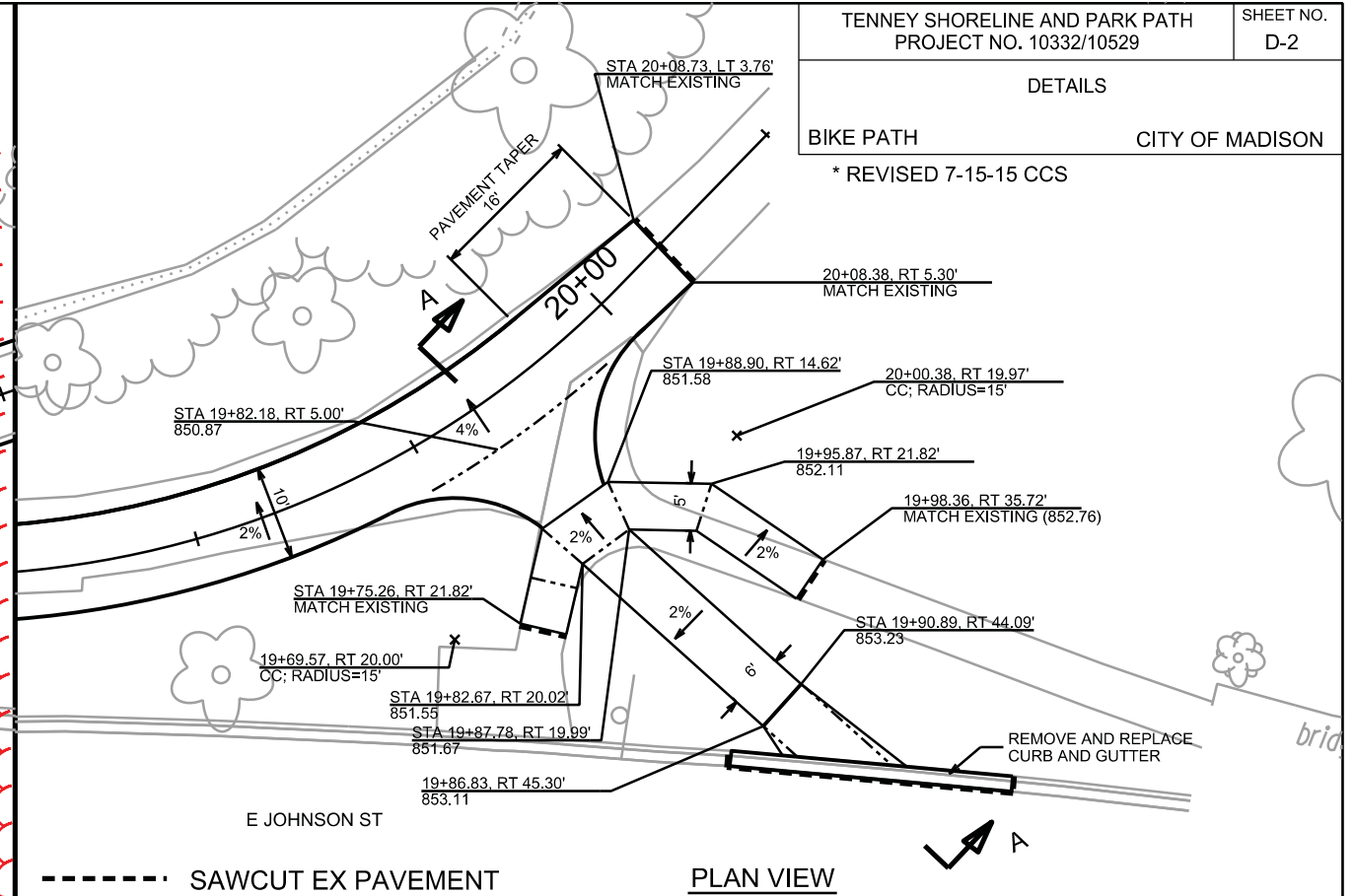
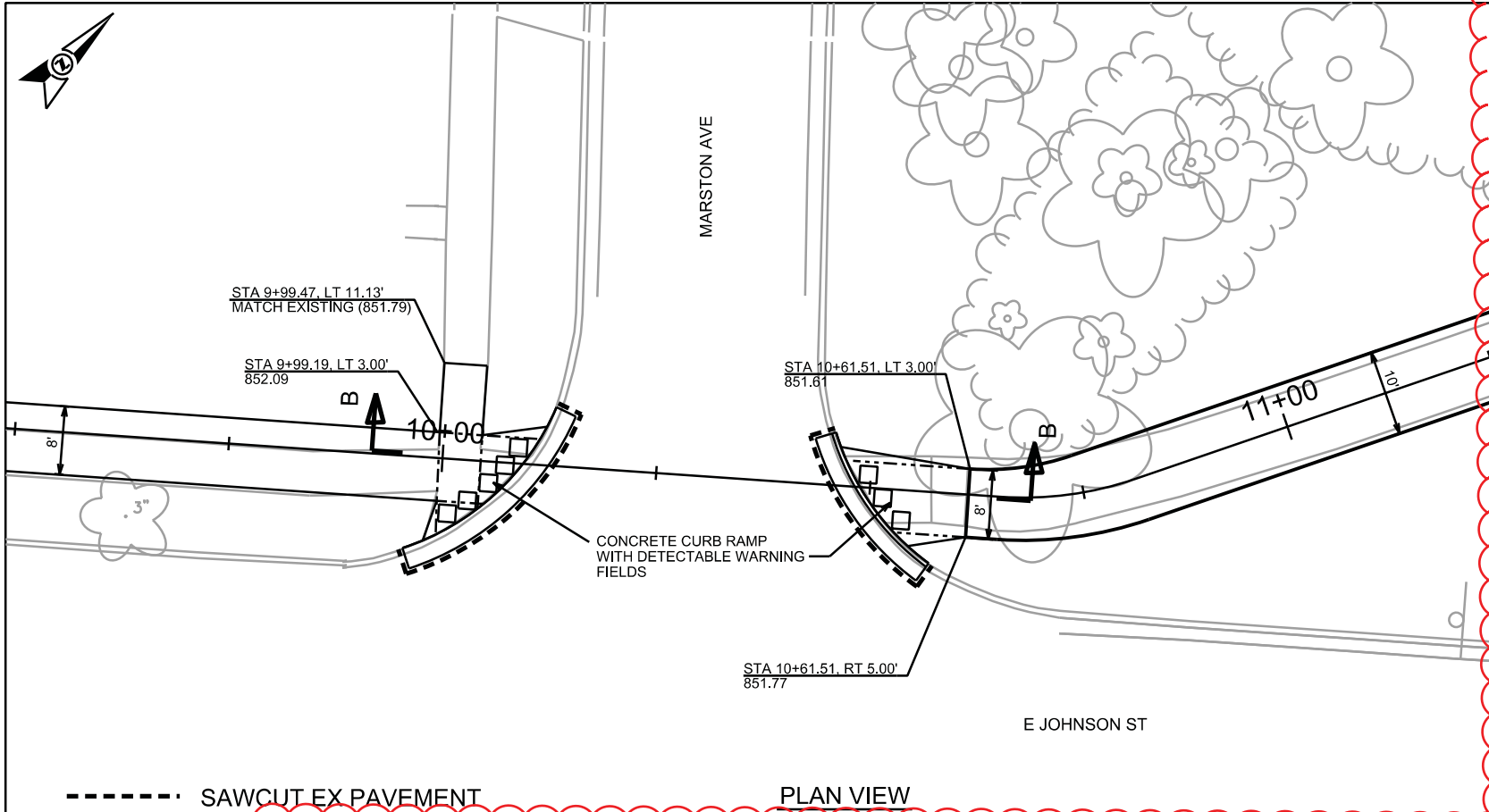
EARTH WORK SUMMARY:  
UNCLASSIFIED EXCAVATION (PLAN QUANTITY)..... 663 C.Y. (NOTE 3)  
ESTIMATED UNDISTRIBUTED UNDERCUT..... 311 C.Y.  
TOTAL EXCAVATION CUT..... 974 C.Y.

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

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

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

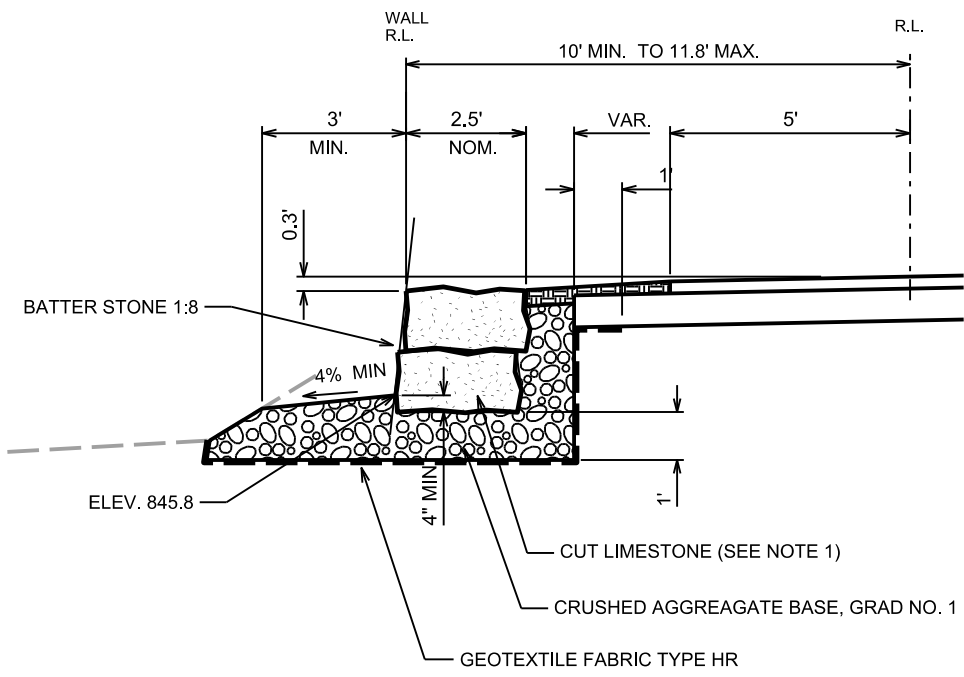
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



LIMESTONE SHORELINE DETAILS

TENNEY PATH

CITY OF MADISON



NOTES:

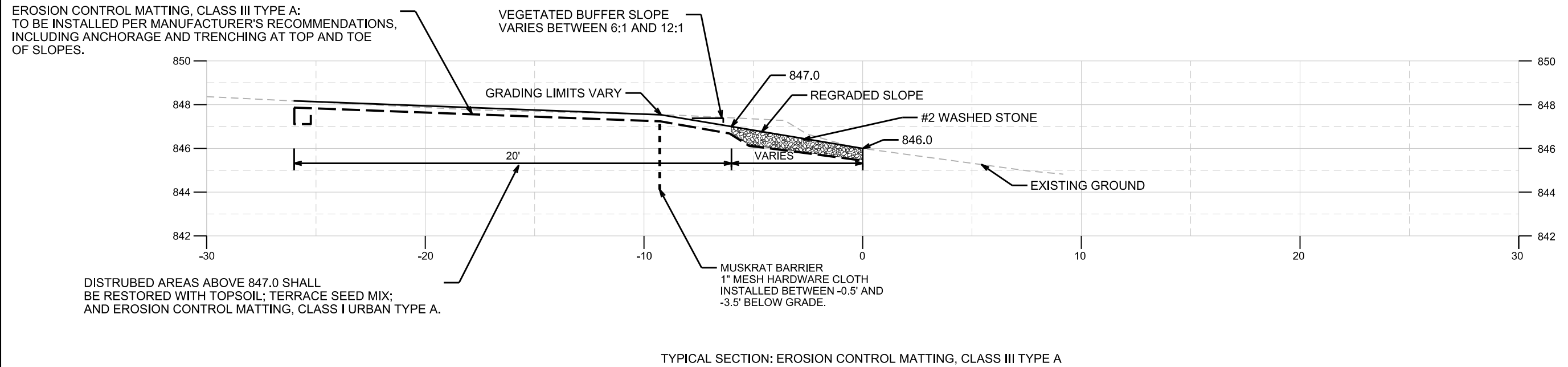
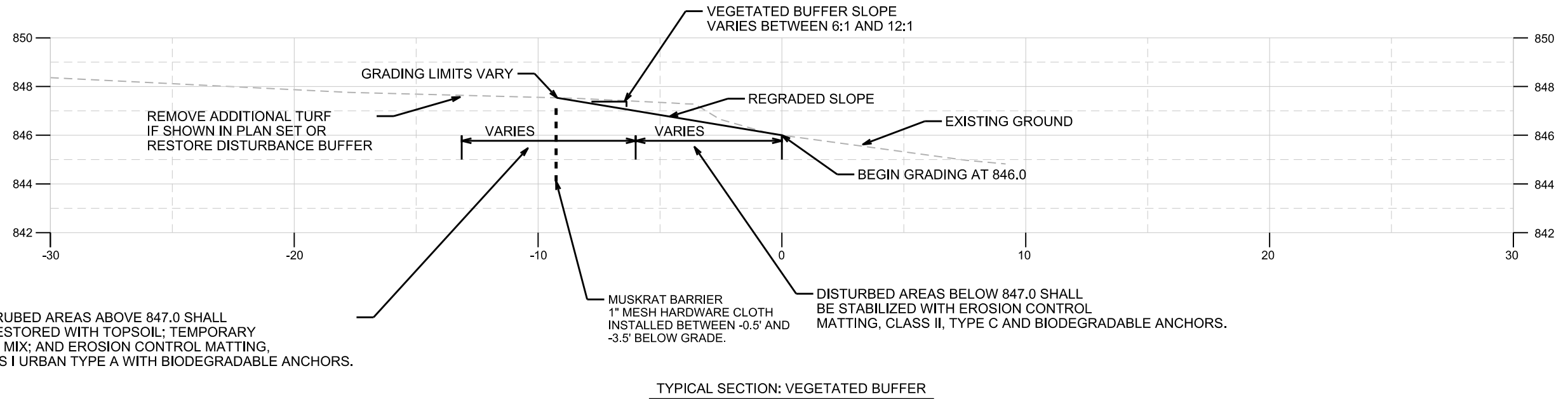
1. OVERALL MINIMUM STONE HEIGHT VARIES FROM 2.35' TO 2.95'. NOMINAL DEPTH (PERPENDICULAR TO SHORELINE) AS SHOWN. LENGTH OF STONES (PARALLEL TO SHORELINE) SHALL NOT BE LESS THAN 24" .
2. VERTICAL JOINTS BETWEEN COURSES SHALL BE OFFSET A MINIMUM OF 6".
3. SEE SPECIAL PROVISIONS FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.
4. WALL REFERENCE LINE COINCIDES WITH SHORELINE RESTORATION R.L.

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

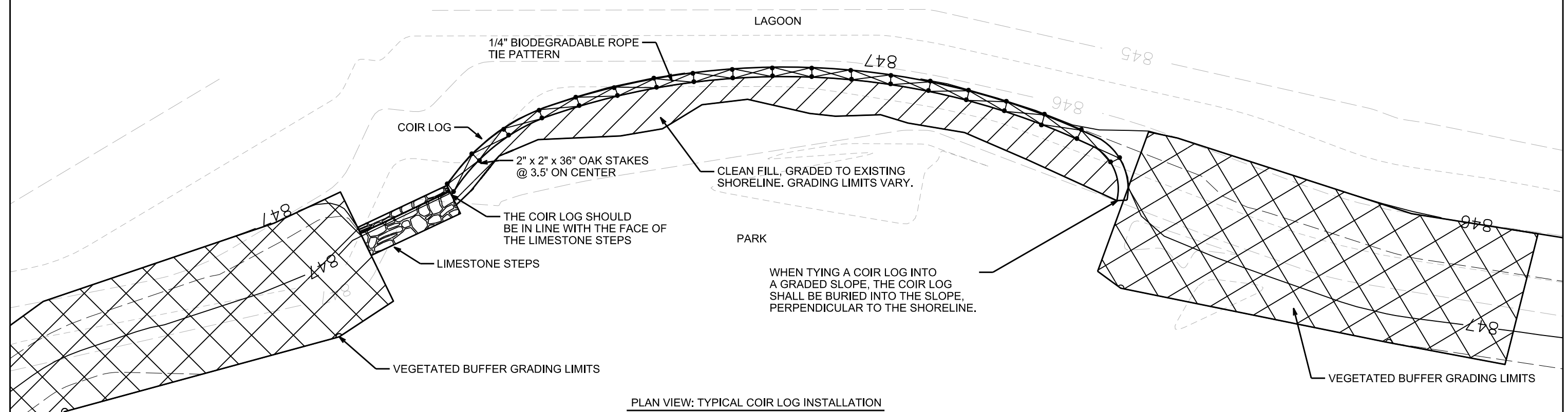
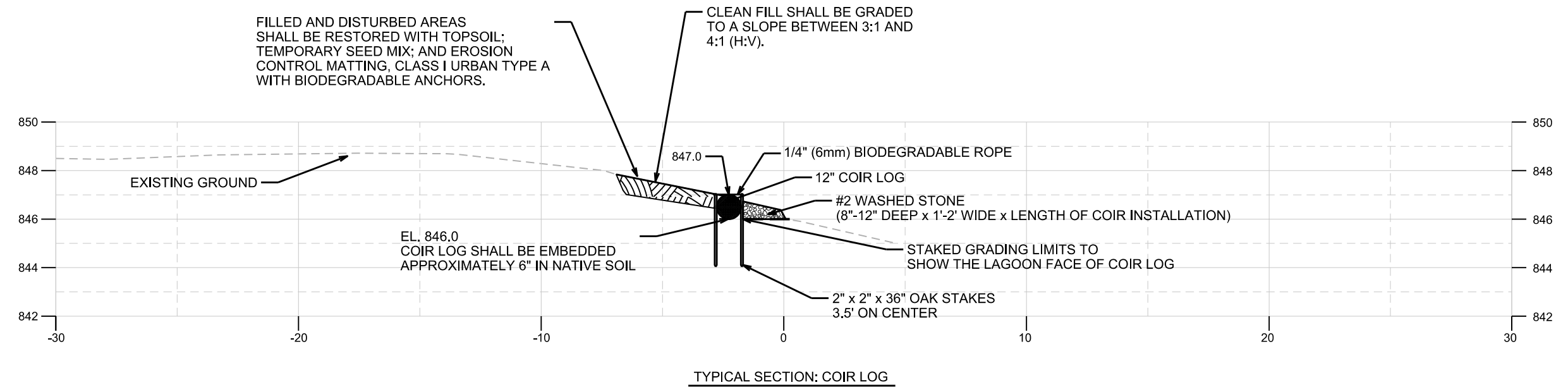


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PLOT NAME: \_\_\_\_\_

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

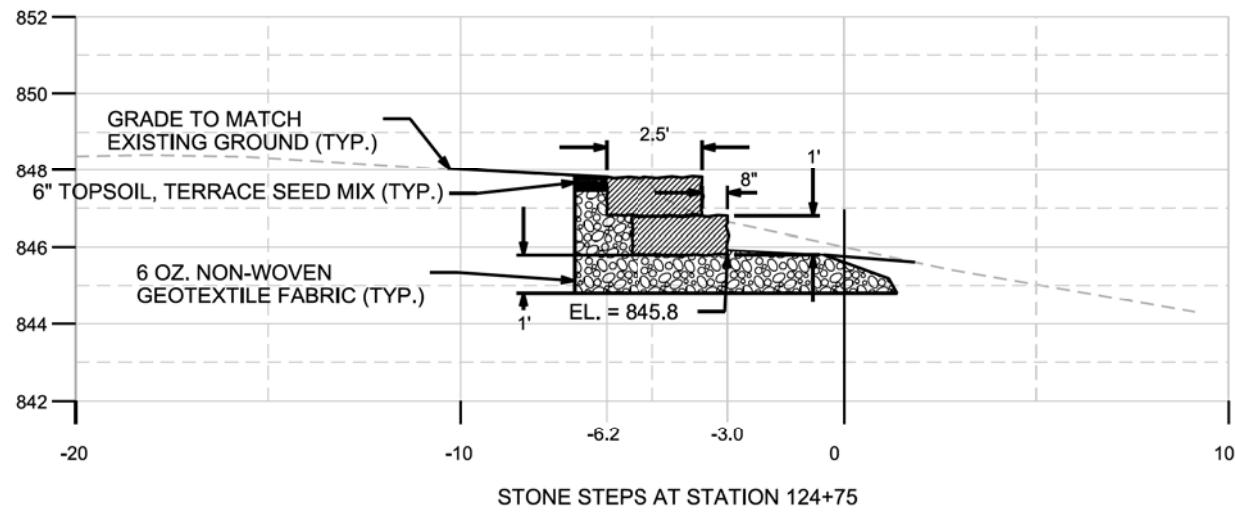


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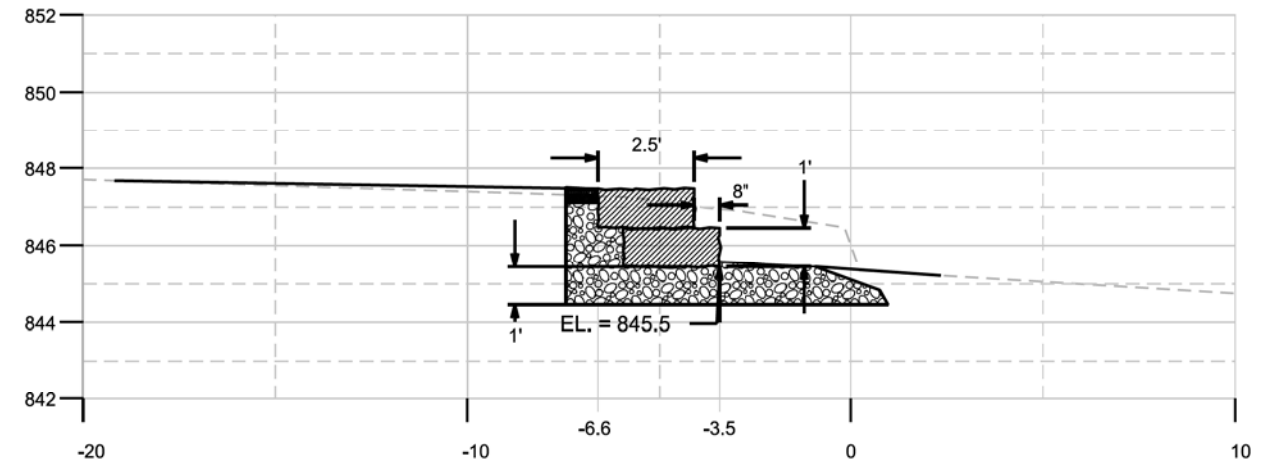
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REV. DATE: \_\_\_\_\_

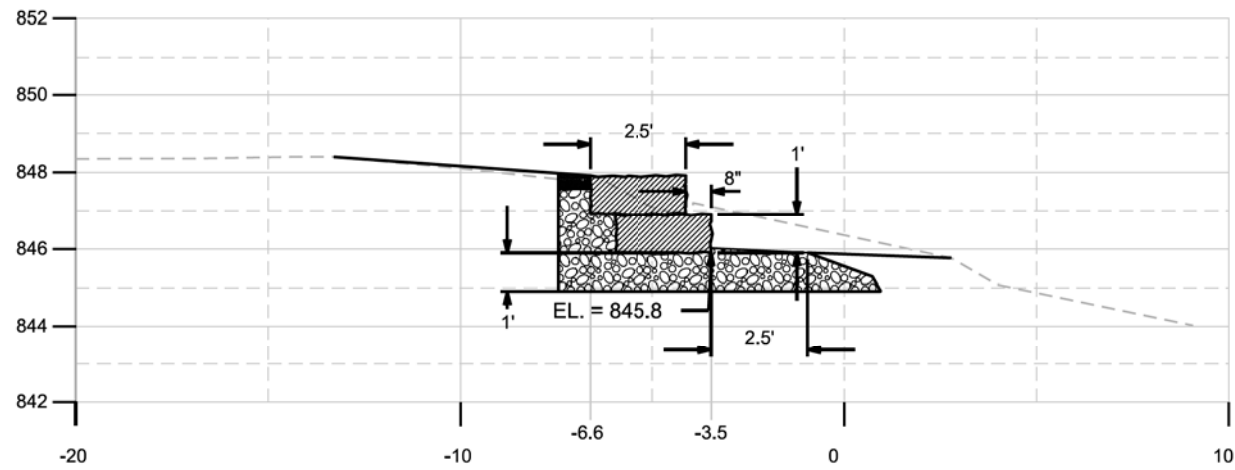
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



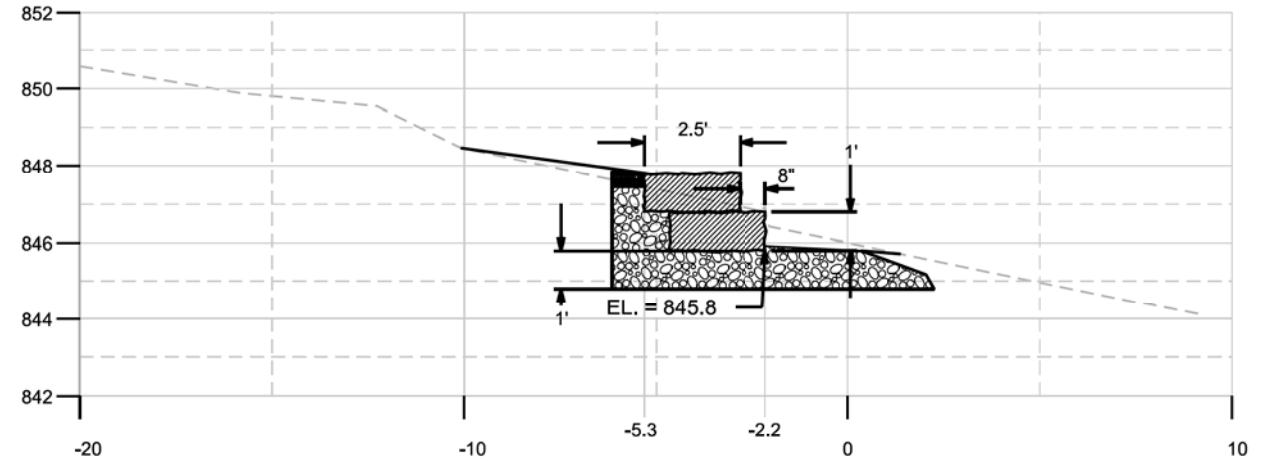
STONE STEPS AT STATION 124+75



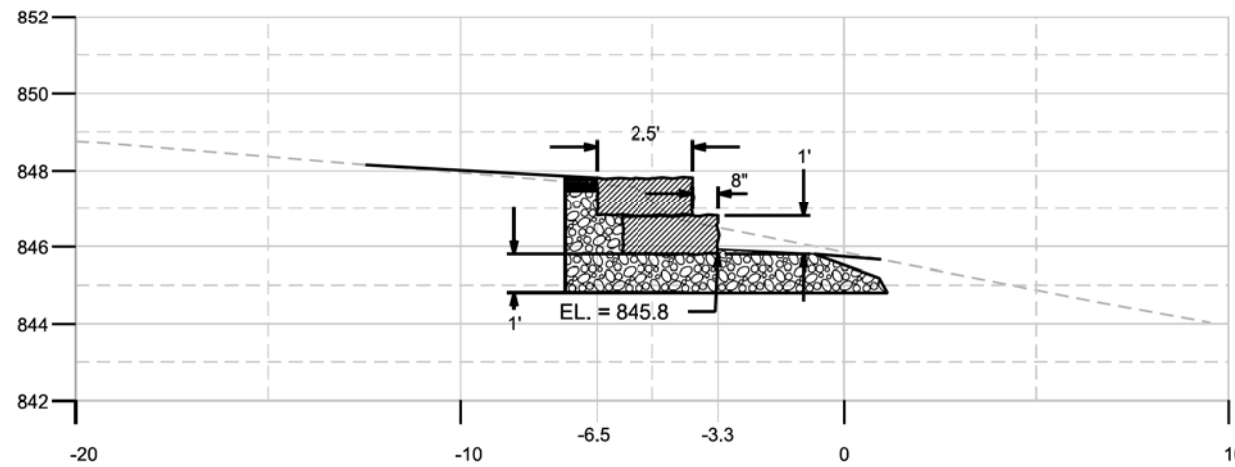
STONE STEPS AT STATION 130+80



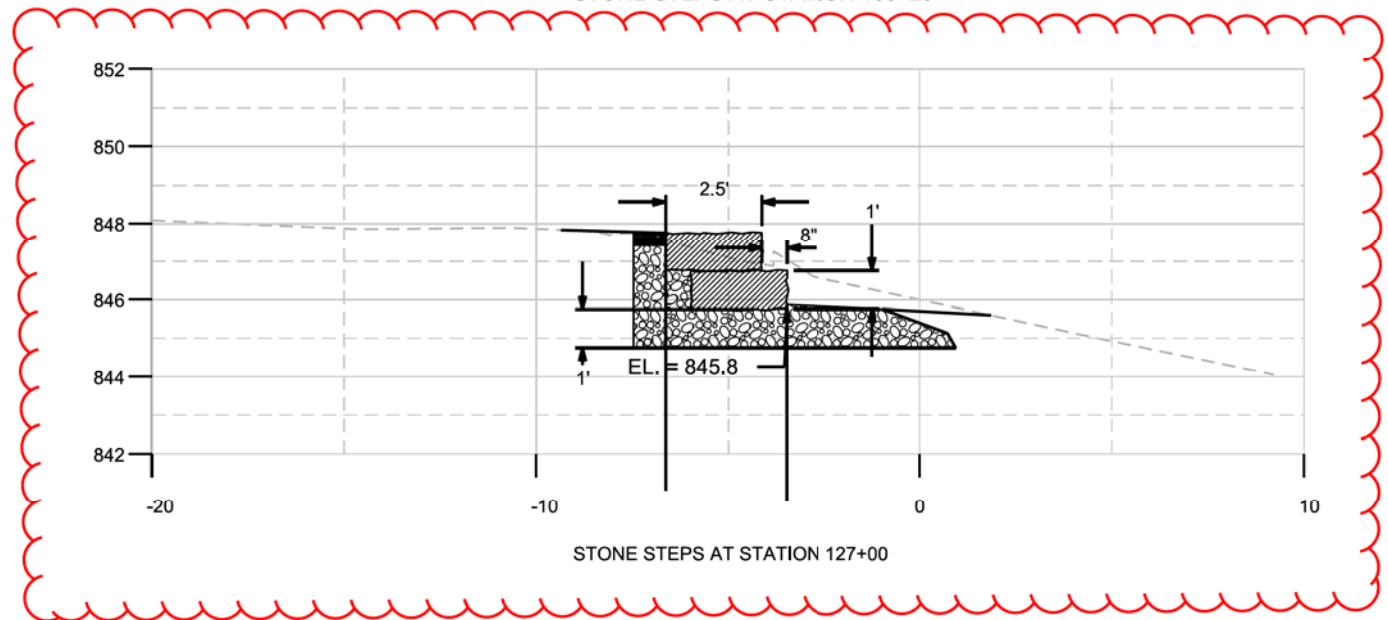
STONE STEPS AT STATION 126+50



STONE STEPS AT STATION 136+25



STONE STEPS AT STATION 128+70



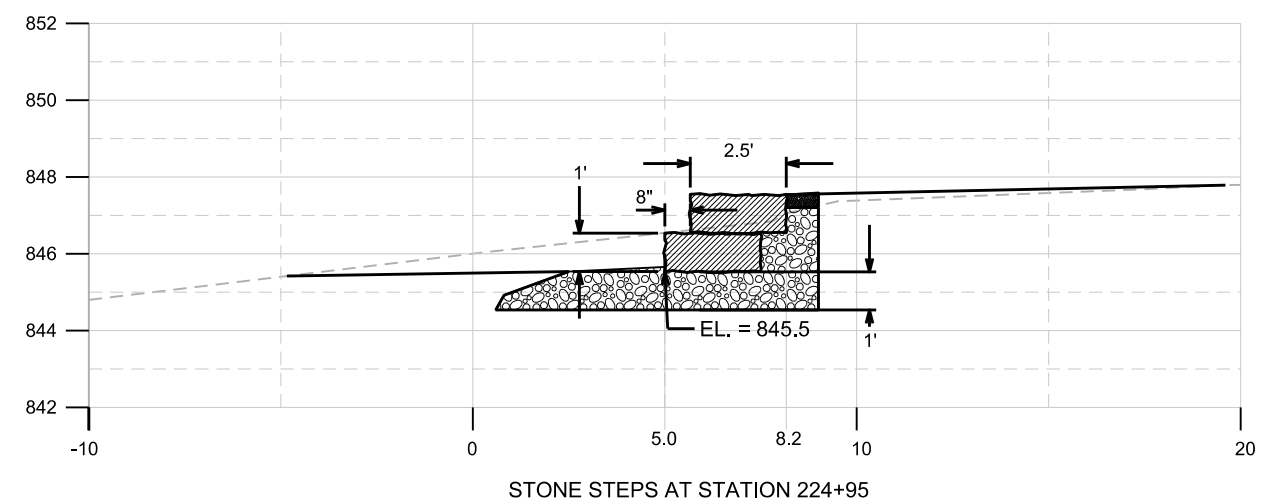
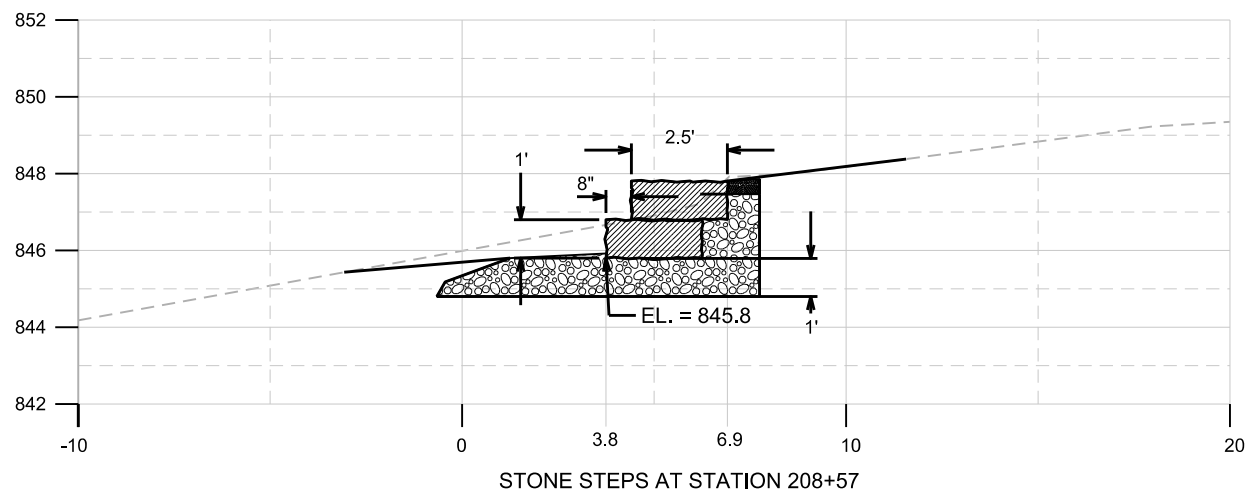
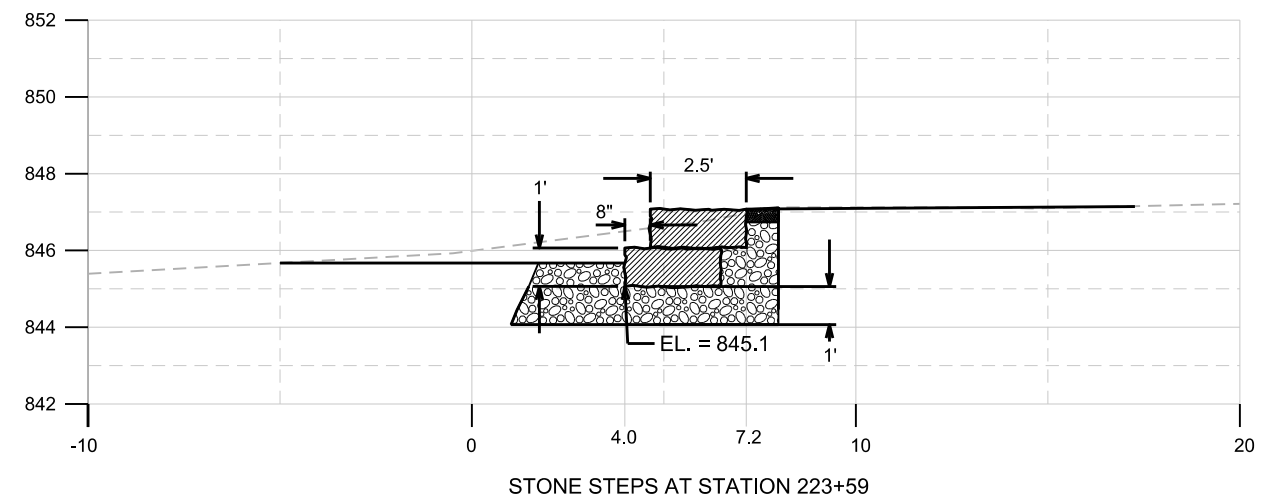
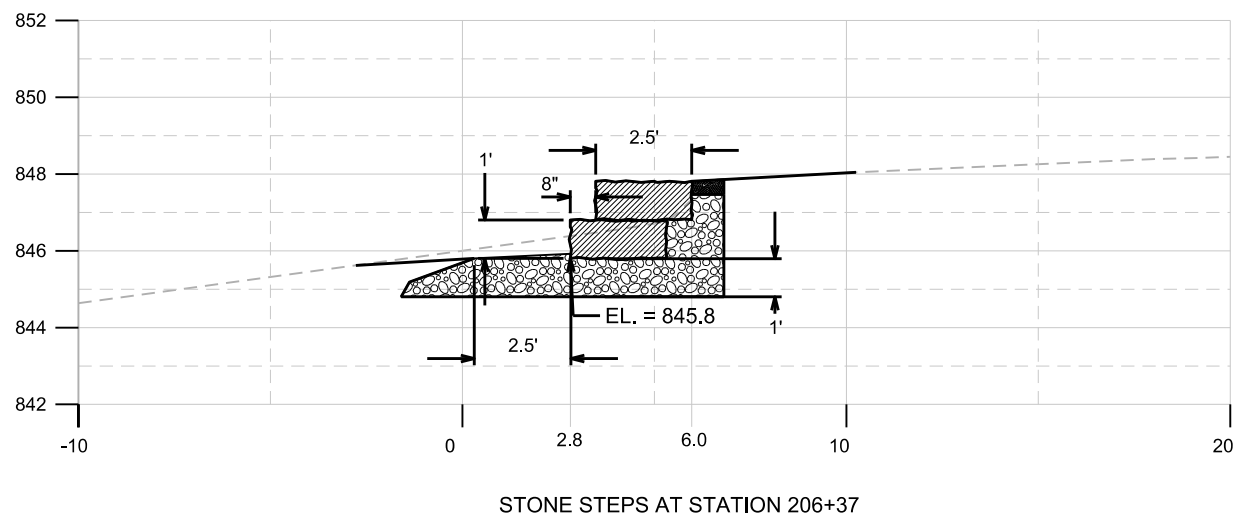
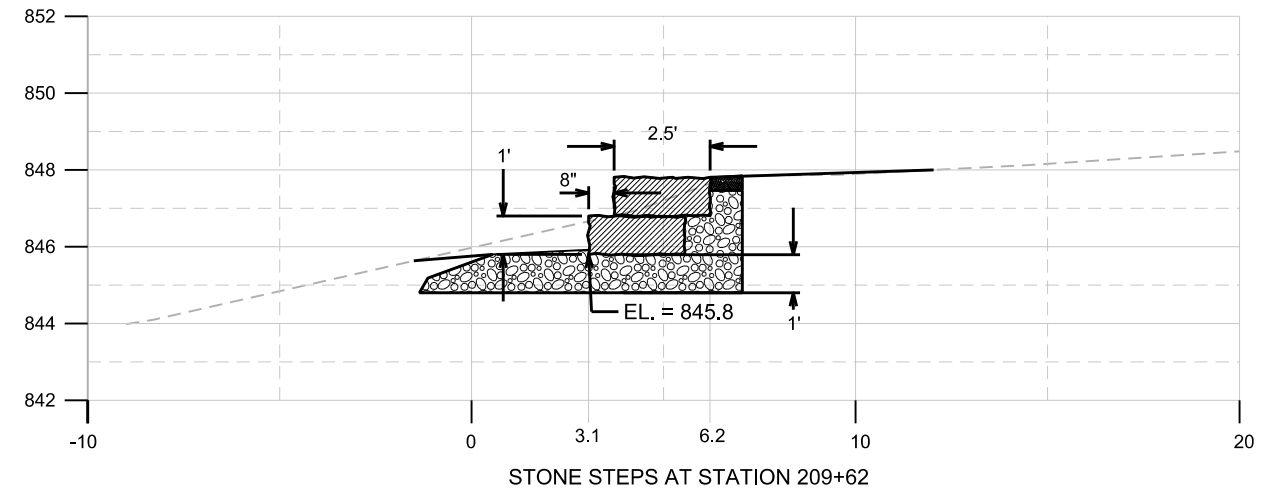
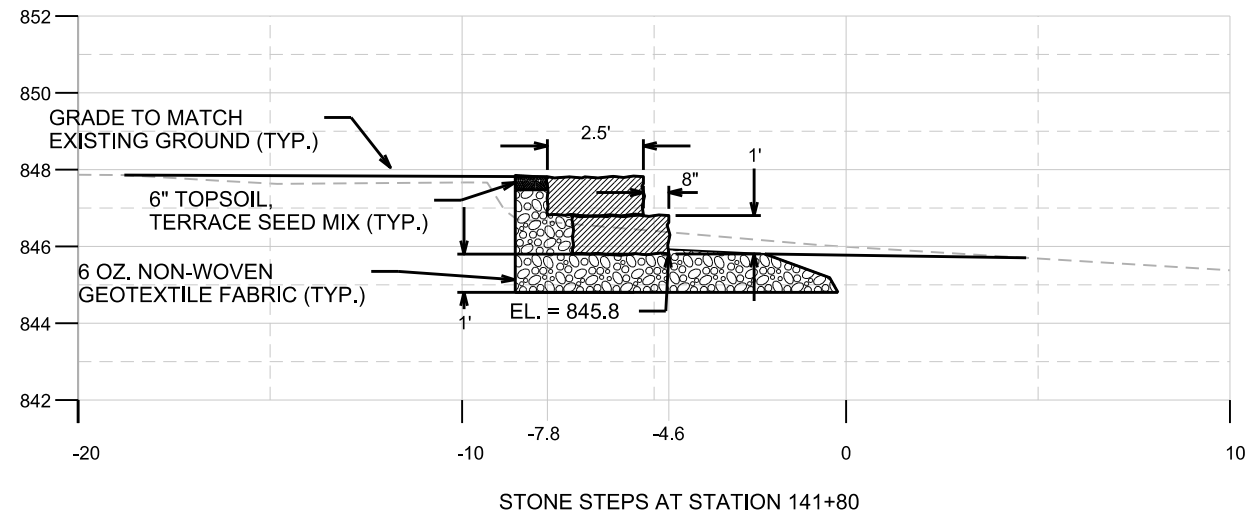
STONE STEPS AT STATION 127+00

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

# YAHARA RIVER

SHERMAN AVE.

2

3

5

MARSTON AVE.

JOHNSON ST.

4

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



# YAHARA RIVER

THE CONTRACTOR SHALL BRING ALL CLEARING QUESTIONS TO THE IMMEDIATE ATTENTION OF THE ENGINEER.

## N. THORNTON AVENUE

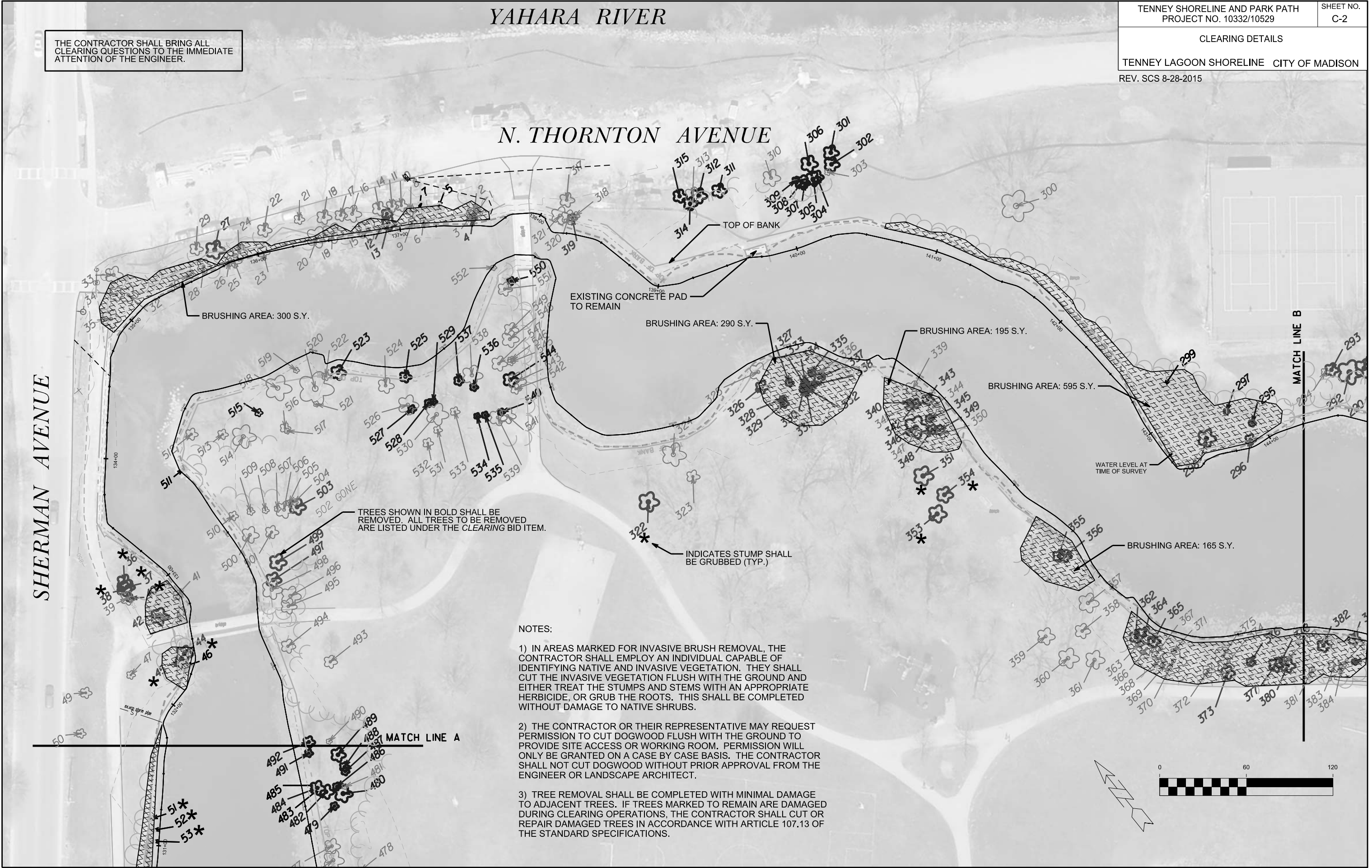
## SHERMAN AVENUE

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TREES SHOWN IN BOLD SHALL BE REMOVED. ALL TREES TO BE REMOVED ARE LISTED UNDER THE CLEARING BID ITEM.

INDICATES STUMP SHALL BE GRUBBED (TYP.)

NOTES:

- 1) IN AREAS MARKED FOR INVASIVE BRUSH REMOVAL, THE CONTRACTOR SHALL EMPLOY AN INDIVIDUAL CAPABLE OF IDENTIFYING NATIVE AND INVASIVE VEGETATION. THEY SHALL CUT THE INVASIVE VEGETATION FLUSH WITH THE GROUND AND EITHER TREAT THE STUMPS AND STEMS WITH AN APPROPRIATE HERBICIDE, OR GRUB THE ROOTS. THIS SHALL BE COMPLETED WITHOUT DAMAGE TO NATIVE SHRUBS.
- 2) THE CONTRACTOR OR THEIR REPRESENTATIVE MAY REQUEST PERMISSION TO CUT DOGWOOD FLUSH WITH THE GROUND TO PROVIDE SITE ACCESS OR WORKING ROOM. PERMISSION WILL ONLY BE GRANTED ON A CASE BY CASE BASIS. THE CONTRACTOR SHALL NOT CUT DOGWOOD WITHOUT PRIOR APPROVAL FROM THE ENGINEER OR LANDSCAPE ARCHITECT.
- 3) TREE REMOVAL SHALL BE COMPLETED WITH MINIMAL DAMAGE TO ADJACENT TREES. IF TREES MARKED TO REMAIN ARE DAMAGED DURING CLEARING OPERATIONS, THE CONTRACTOR SHALL CUT OR REPAIR DAMAGED TREES IN ACCORDANCE WITH ARTICLE 107.13 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL BRING ALL CLEARING QUESTIONS TO THE IMMEDIATE ATTENTION OF THE ENGINEER.

TREES SHOWN IN BOLD SHALL BE REMOVED. ALL TREES TO BE REMOVED ARE LISTED UNDER THE CLEARING BID ITEM.

BRUSHING AREA: 555 S.Y.

BRUSHING AREA: 250 S.Y.

BRUSHING AREA: 595 S.Y.

BRUSHING AREA: 560 S.Y.

BRUSHING AREA: 22 S.Y.

BRUSHING AREA: 175 S.Y.

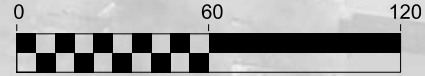
BRUSHING AREA: 55 S.Y.

INDICATES STUMP SHALL BE GRUBBED (TYP.)

NOTES:

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SHERMAN AVENUE



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CLEARING DETAILS

TENNEY LAAGOON SHORELINE CITY OF MADISON  
REV. SCS 8-28-2015

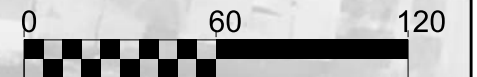
THE CONTRACTOR SHALL BRING ALL CLEARING QUESTIONS TO THE IMMEDIATE ATTENTION OF THE ENGINEER.

TREES SHOWN IN BOLD SHALL BE REMOVED. ALL TREES TO BE REMOVED ARE LISTED UNDER THE CLEARING BID ITEM.



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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CLEARING DETAILS

TENNEY LAAGOON SHORELINE CITY OF MADISON  
REV. SCS 8-28-2015

THE CONTRACTOR SHALL BRING ALL  
CLEARING QUESTIONS TO THE IMMEDIATE  
ATTENTION OF THE ENGINEER.

SHERMAN AVENUE

MARSTON AVENUE

TREES SHOWN IN BOLD SHALL BE  
REMOVED. ALL TREES TO BE REMOVED  
ARE LISTED UNDER THE CLEARING BID ITEM.

INDICATES STUMP SHALL  
BE GRUBBED (TYP.)

BRUSHING AREA: 330 S.Y.

BRUSHING AREA: 1030 S.Y.

BRUSHING AREA: 1020 S.Y.

BRUSHING AREA: 290 S.Y.

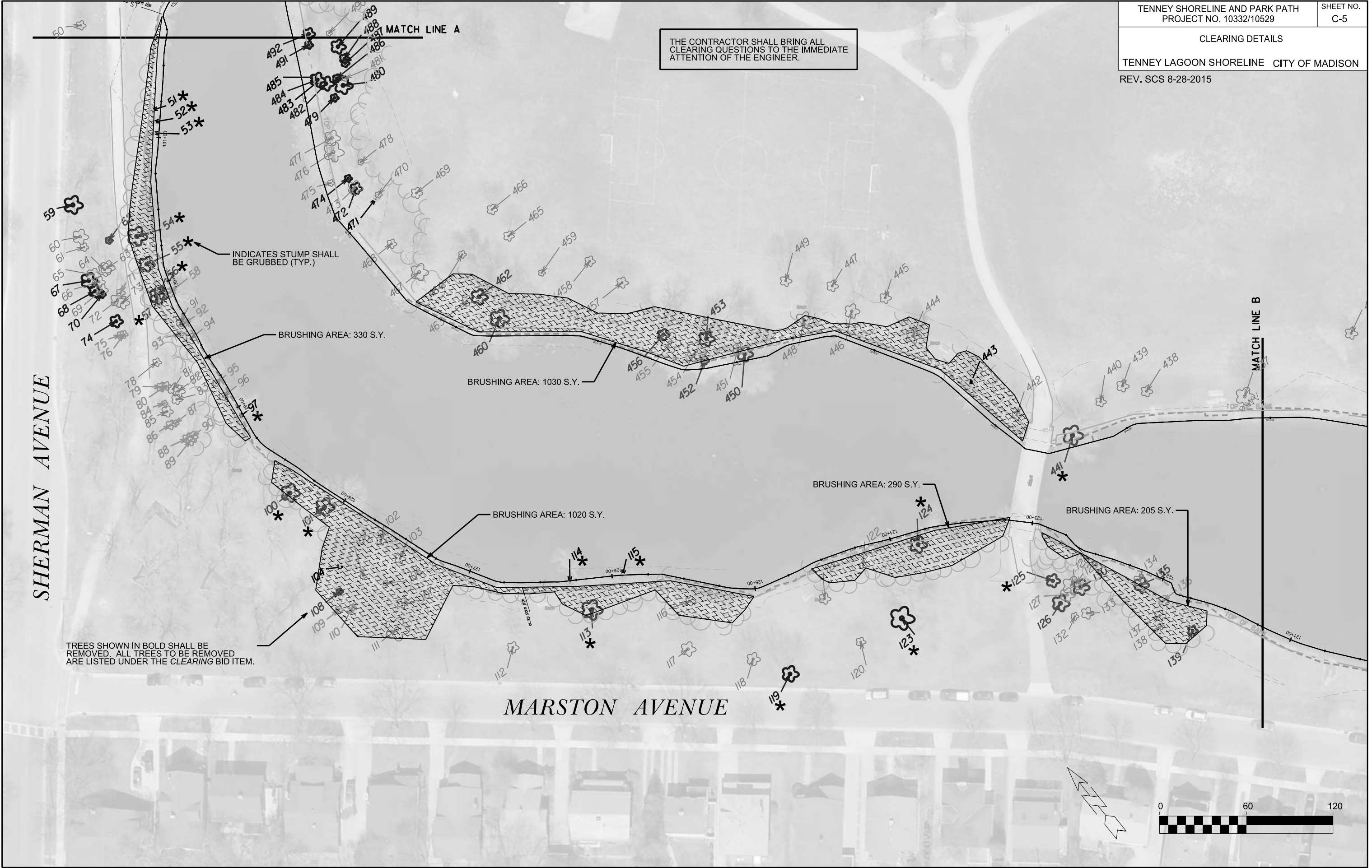
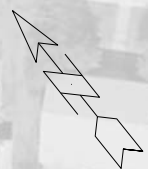
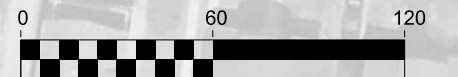
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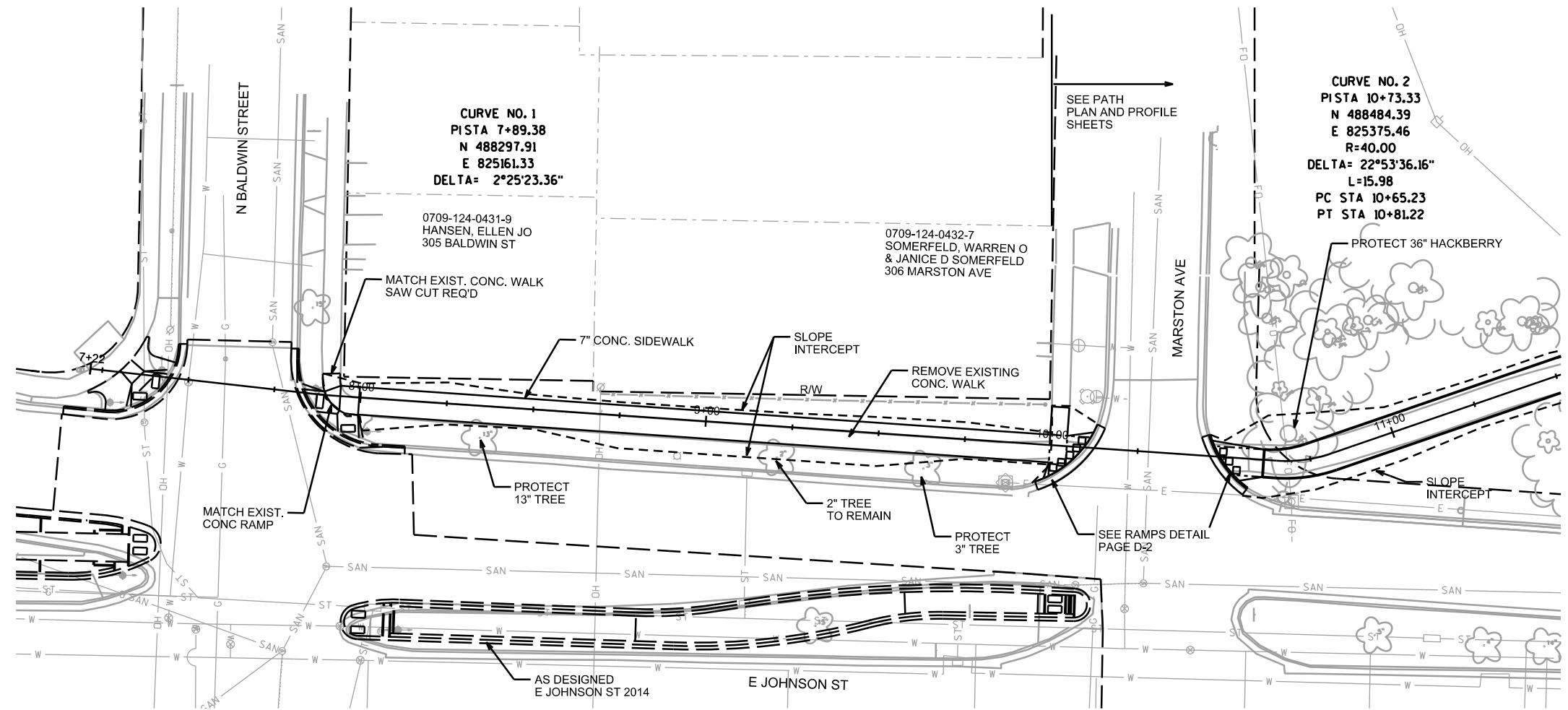
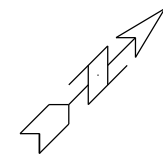
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PLOT NAME: \_\_\_\_\_

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





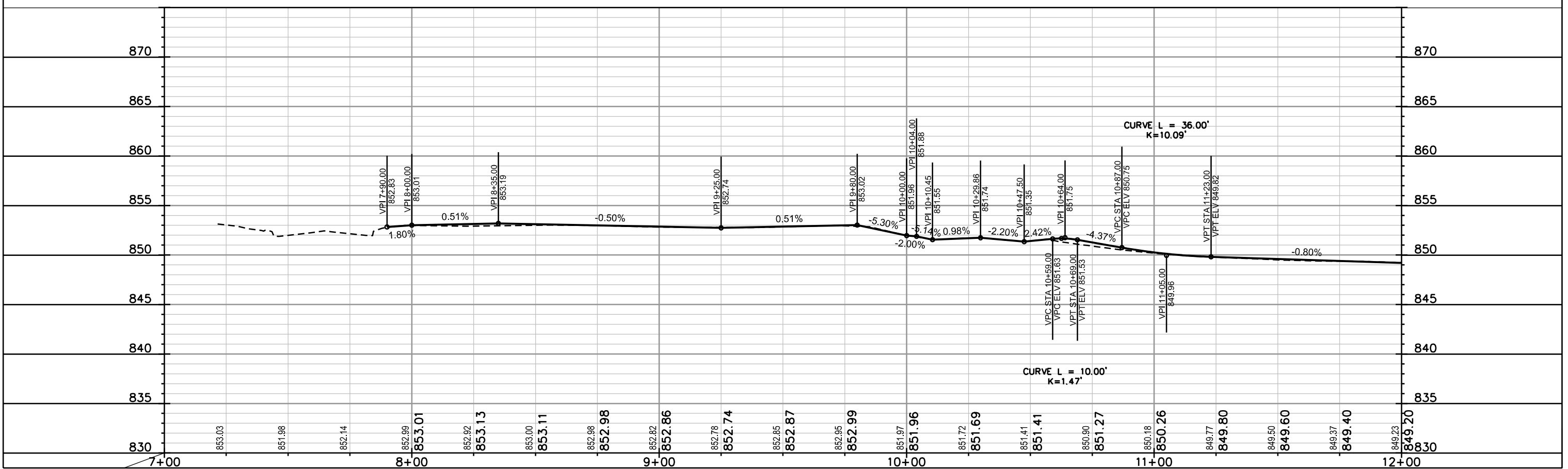
**CURVE NO. 2**  
PISTA 10+73.33  
N 488484.39  
E 825375.46  
R=40.00  
DELTA= 22°53'36.16"  
L=15.98  
PC STA 10+65.23  
PT STA 10+81.22

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

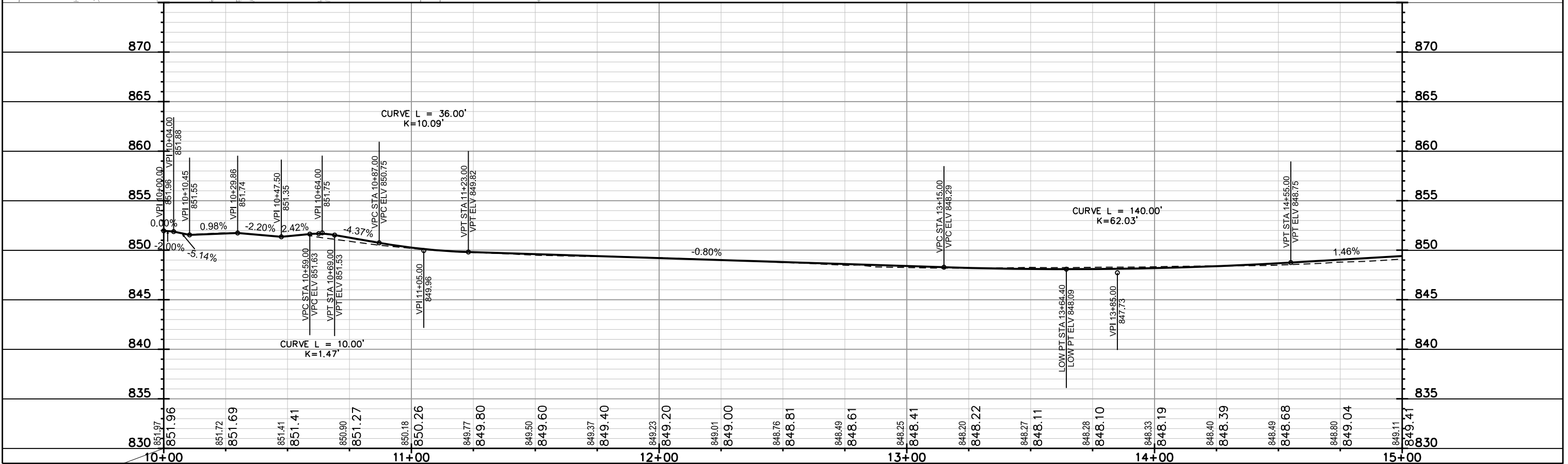
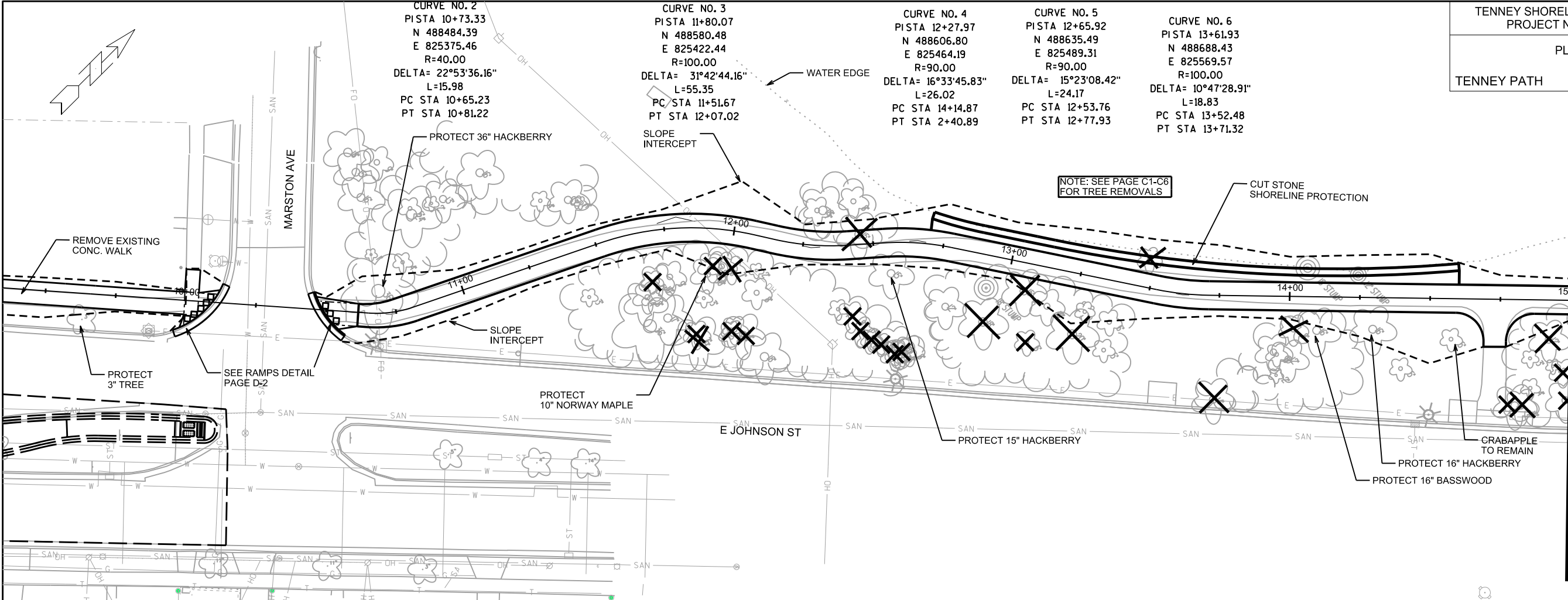
PLOT NAME: \_\_\_\_\_

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CURVE NO. 2	CURVE NO. 3	CURVE NO. 4	CURVE NO. 5	CURVE NO. 6
PISTA 10+73.33	PISTA 11+80.07	PISTA 12+27.97	PISTA 12+65.92	PISTA 13+61.93
N 488484.39	N 488580.48	N 488606.80	N 488635.49	N 488688.43
E 825375.46	E 825422.44	E 825464.19	E 825489.31	E 825569.57
R=40.00	R=100.00	R=90.00	R=90.00	R=100.00
DELTA= 22°53'36.16"	DELTA= 31°42'44.16"	DELTA= 16°33'45.83"	DELTA= 15°23'08.42"	DELTA= 10°47'28.91"
L=15.98	L=55.35	L=26.02	L=24.17	L=18.83
PC STA 10+65.23	PC STA 11+51.67	PC STA 14+14.87	PC STA 12+53.76	PC STA 13+52.48
PT STA 10+81.22	PT STA 12+07.02	PT STA 2+40.89	PT STA 12+77.93	PT STA 13+71.32



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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



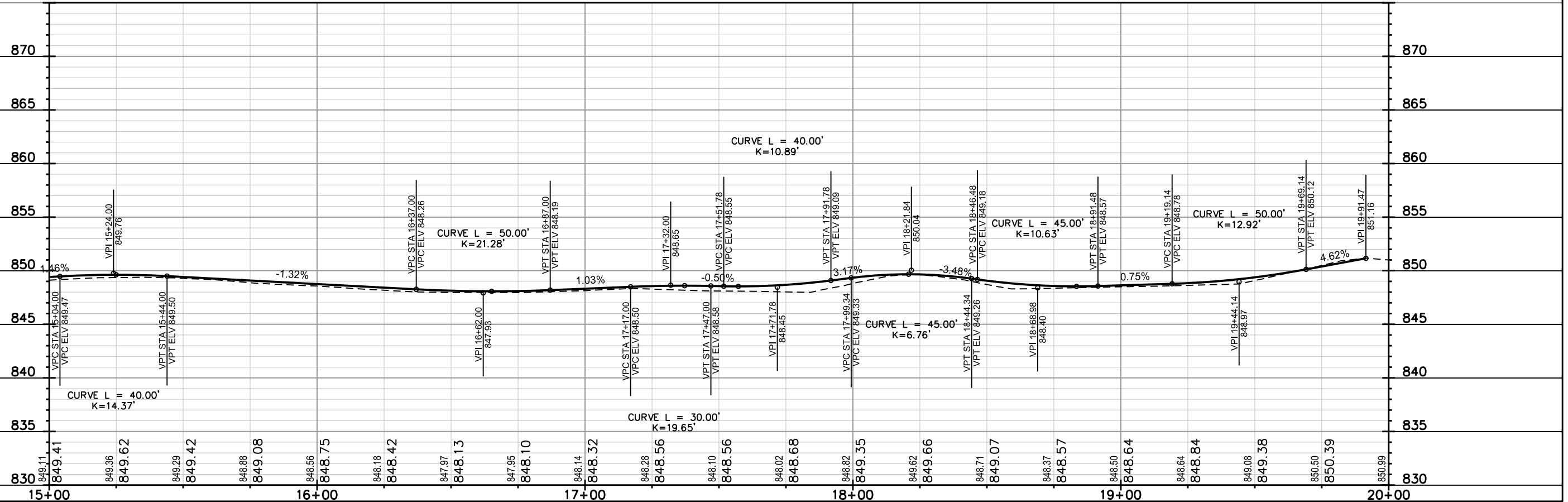
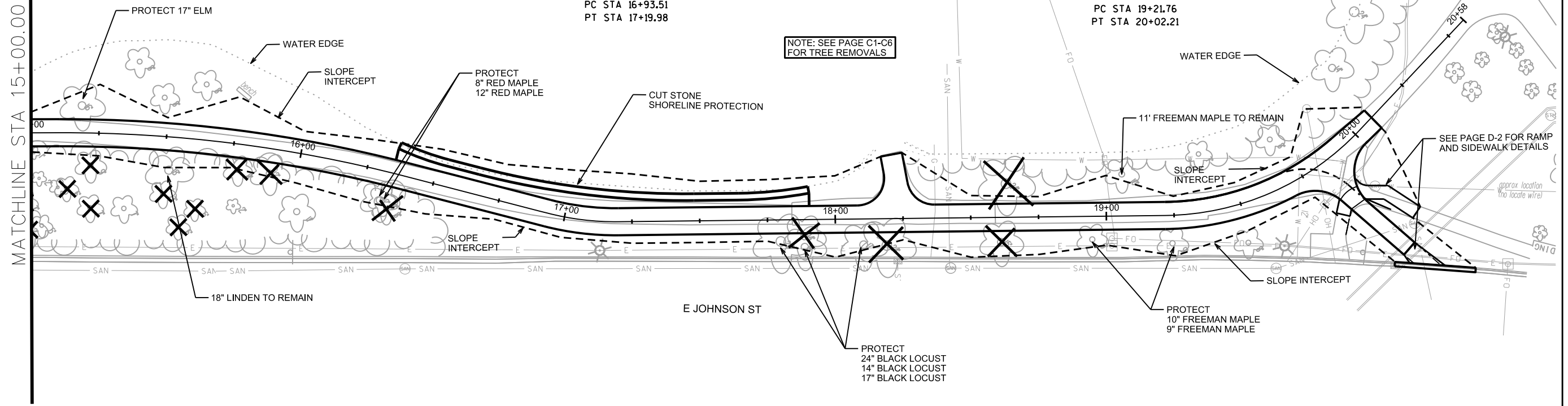
PLAN AND PROFILE  
TENNEY PATH CITY OF MADISON

CURVE NO. 7  
PISTA 15+74.98  
N 488837.01  
E 825722.35  
R=500.00  
DELTA= 14°42'36.63"  
L=128.37  
PC STA 15+10.44  
PT STA 16+38.81

CURVE NO. 8  
PISTA 17+06.83  
N 488902.27  
E 825837.73  
R=100.00  
DELTA= 15°09'52.45"  
L=26.47  
PC STA 16+93.51  
PT STA 17+19.98

CURVE NO. 9  
PISTA 19+64.31  
N 489083.34  
E 826021.00  
R=100.00  
DELTA= 46°05'40.08"  
L=80.45  
PC STA 19+21.76  
PT STA 20+02.21

NOTE: SEE PAGE C1-C6  
FOR TREE REMOVALS



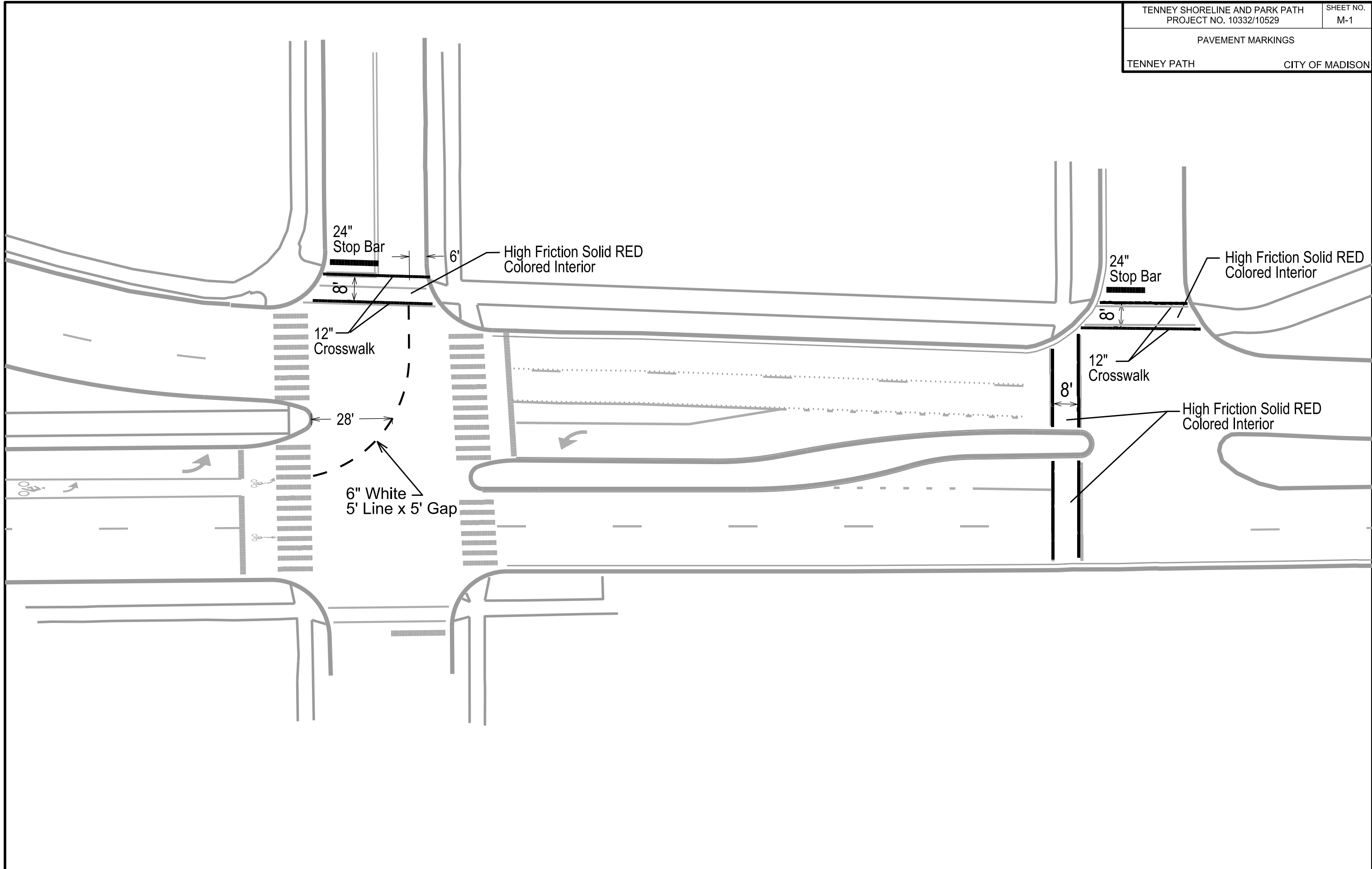
PLOT SCALE: \_\_\_\_\_  
PLOT NAME: \_\_\_\_\_  
REV. DATE: \_\_\_\_\_  
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLOT SCALE:

PLOT NAME:

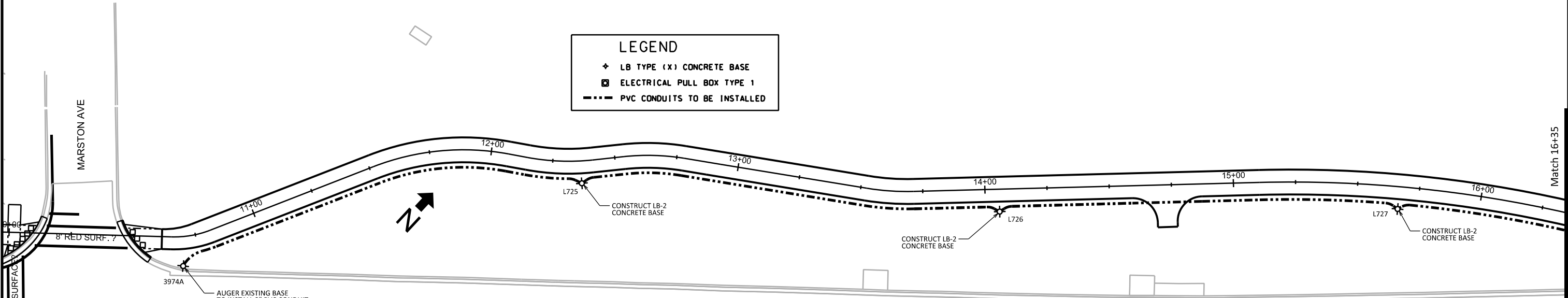
REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



**LEGEND**

- ◆ LB TYPE (X) CONCRETE BASE
- ⊠ ELECTRICAL PULL BOX TYPE 1
- PVC CONDUITS TO BE INSTALLED

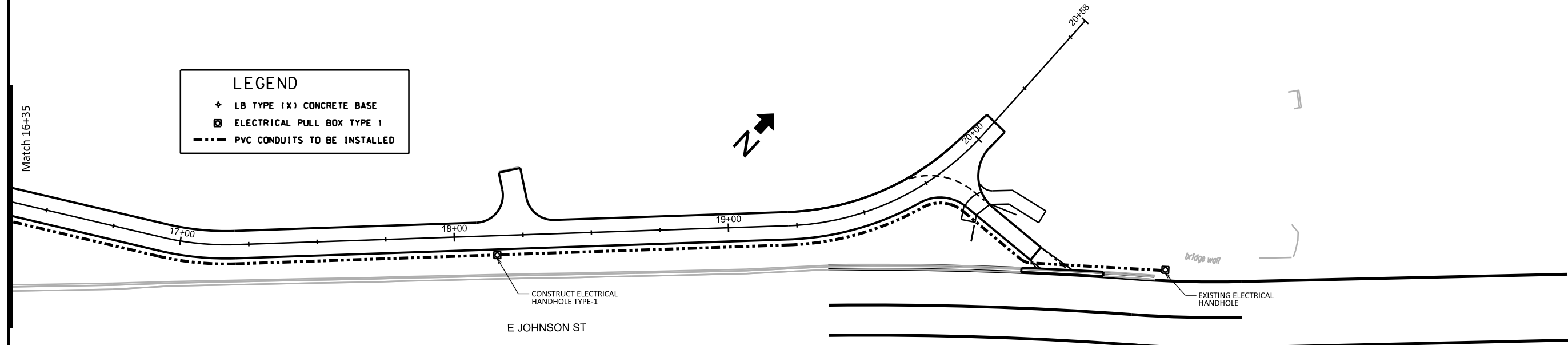


- GENERAL ELECTRICAL NOTES:**
1. ALL LOCATIONS ARE APPROXIMATE. THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS INCLUDING SETBACK IN THE FIELD. AFTER CONTRACTOR SURVEYS STAKING, THE CONTRACTOR SHALL NOTIFY BRIAN SMITH (261-9625) CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING BASE LOCATIONS MARKED.
  2. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 2015 EDITION AND ALL ADDENDUMS THERETO. ALL CONDUIT SHALL BE PVC SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
  3. THE CONTRACTOR SHALL CALL MIKE CHRISTOPH (266-4767) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES OR BURYING CONDUIT TO ARRANGE FOR INSPECTION.
  4. WHEN INSTALLING CONDUITS IN THE TREE ROOT ZONE, THE CONTRACTOR SHALL BE IN COMPLIANCE WITH THE CITY TREE ROOT POLICY.

PLOT SCALE:  
 PLOT NAME:  
 REV. DATE:  
 ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

PLOT SCALE:  
  
 PLOT NAME:  
  
 REV. DATE:  
  
 ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

LEGEND	
+	LB TYPE (X) CONCRETE BASE
□	ELECTRICAL PULL BOX TYPE 1
---	PVC CONDUITS TO BE INSTALLED



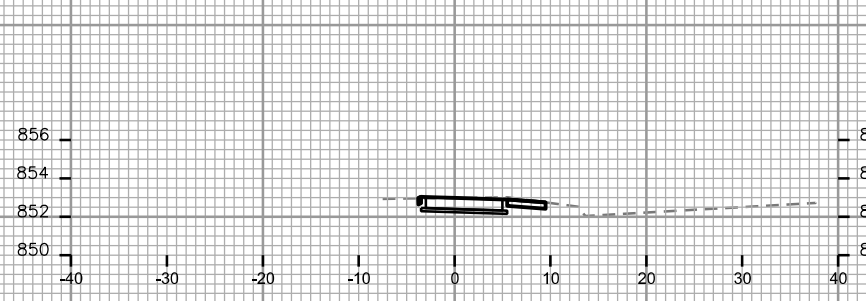
- GENERAL ELECTRICAL NOTES:**
1. ALL LOCATIONS ARE APPROXIMATE. THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS INCLUDING SETBACK IN THE FIELD. AFTER CONTRACTOR SURVEYS STAKING, THE CONTRACTOR SHALL NOTIFY BRIAN SMITH (261-9625) CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING BASE LOCATIONS MARKED.
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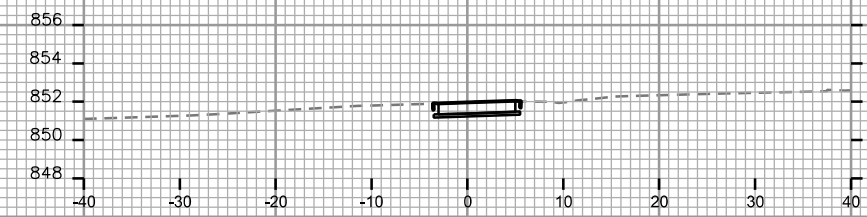
CROSS SECTIONS

TENNEY PATH

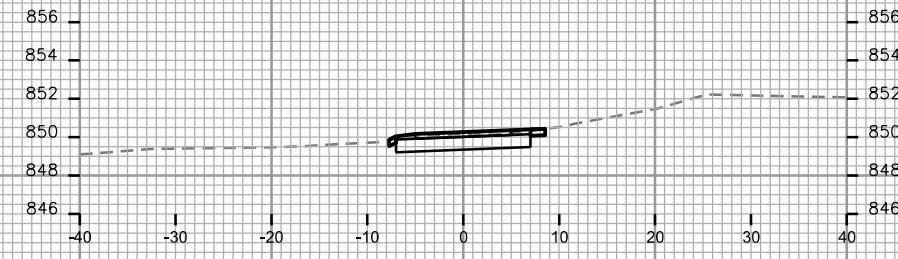
CITY OF MADISON



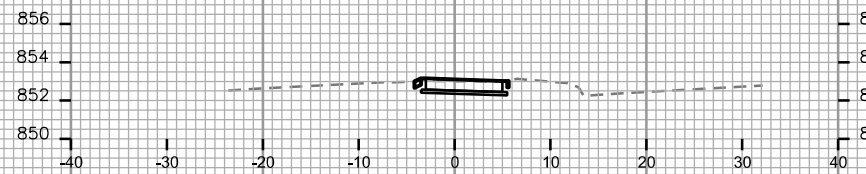
STA. 8+75



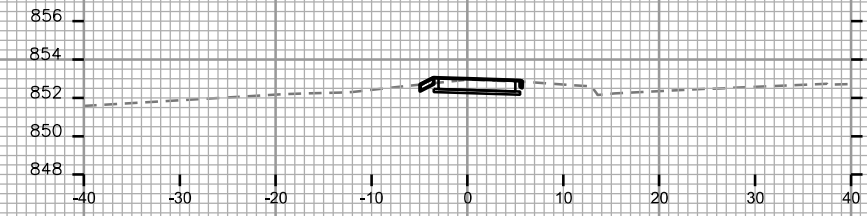
STA. 10+00



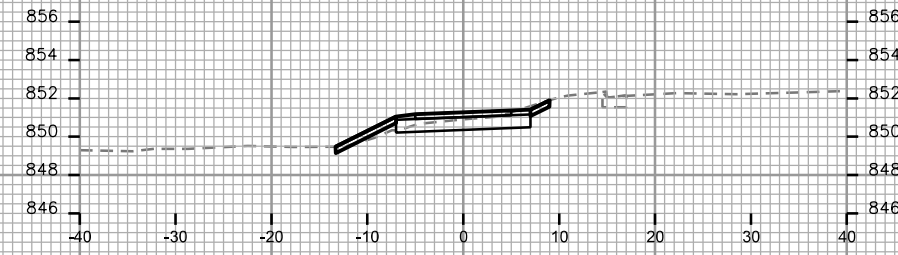
STA. 11+00



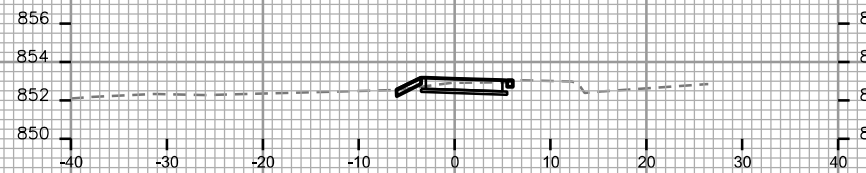
STA. 8+50



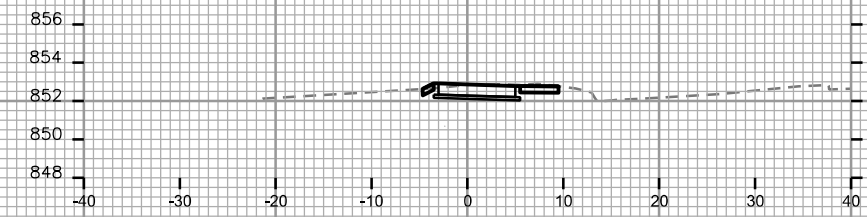
STA. 9+75



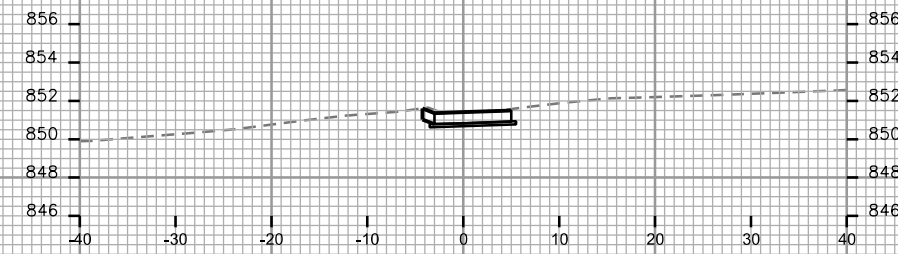
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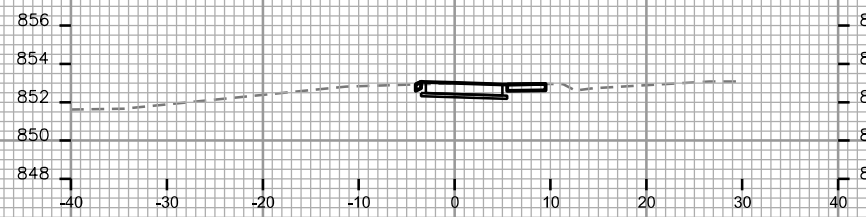
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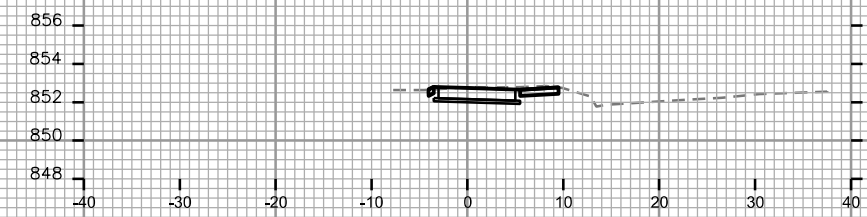
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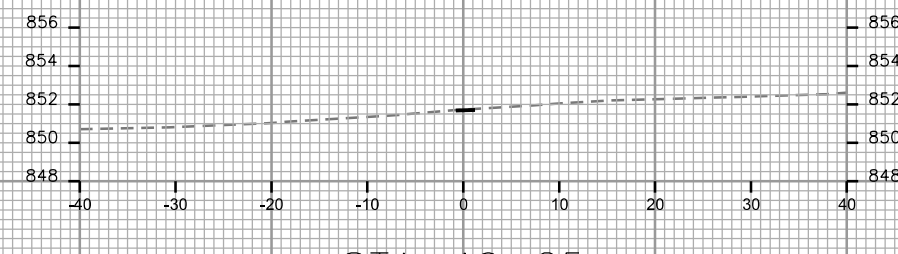
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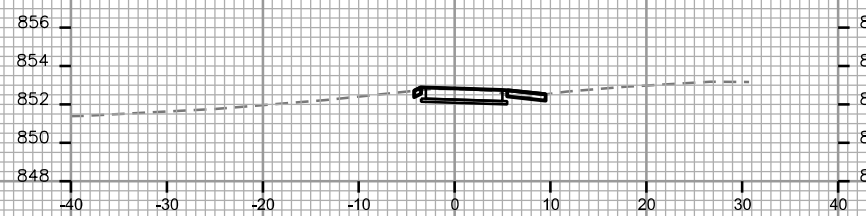
STA. 8+00



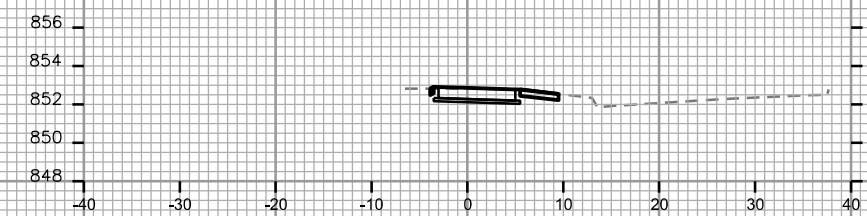
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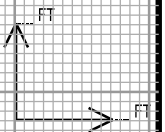
STA. 10+25



STA. 7+90



STA. 9+00



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

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

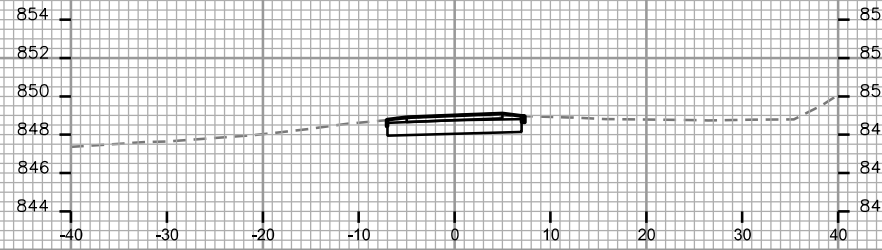
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

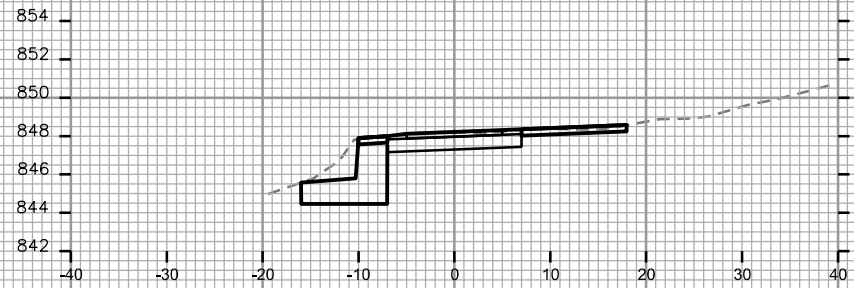
CROSS SECTIONS

TENNEY PATH

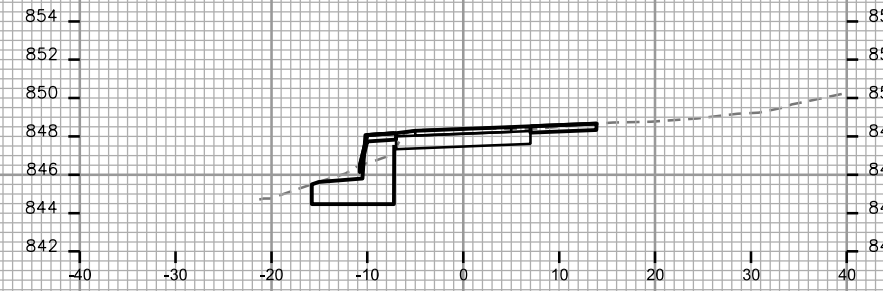
CITY OF MADISON



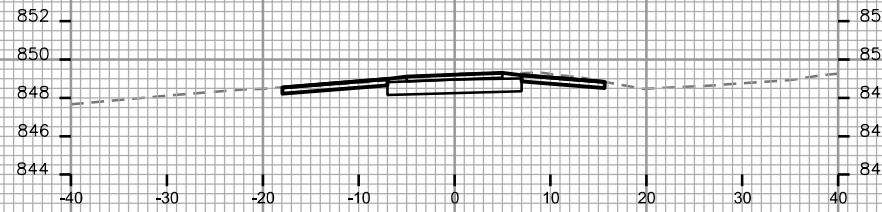
STA. 12+25



STA. 13+25



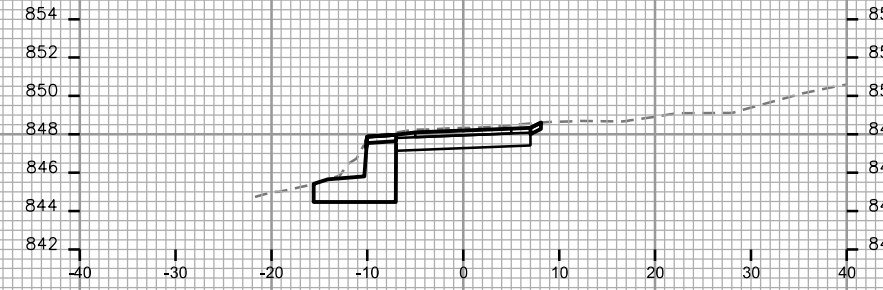
STA. 14+25



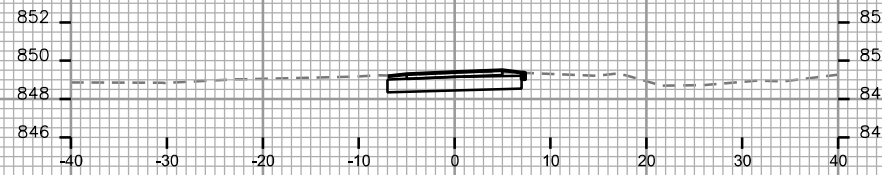
STA. 12+00



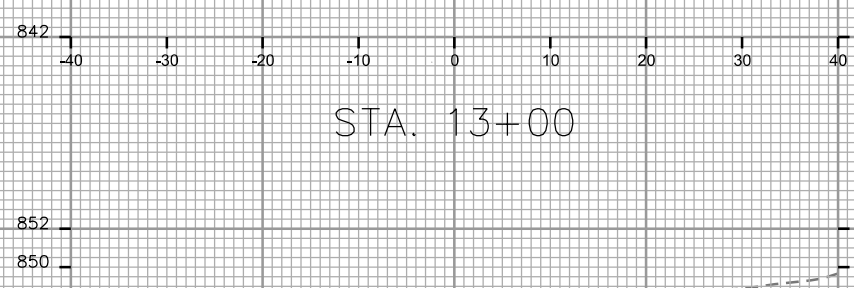
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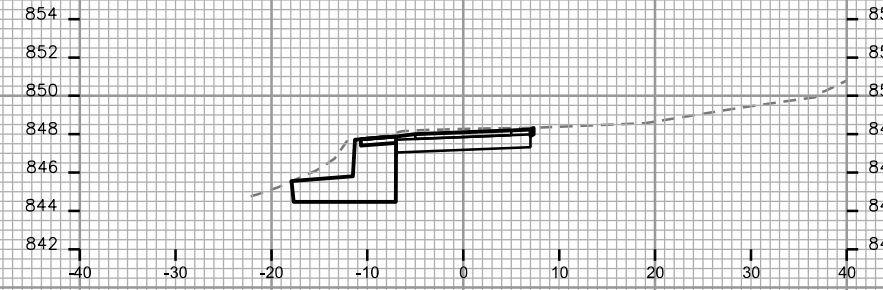
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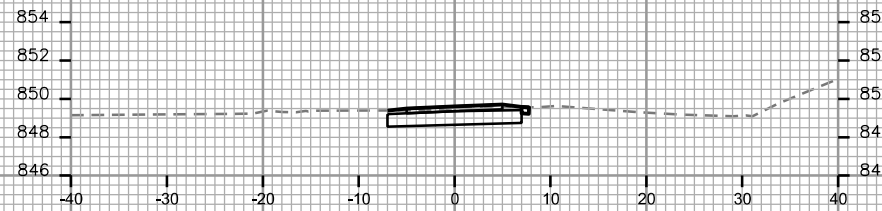
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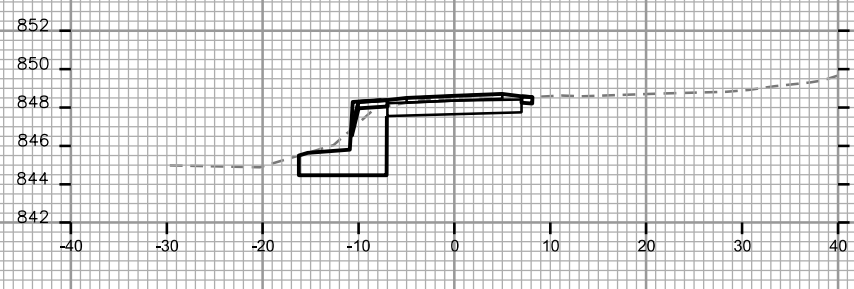
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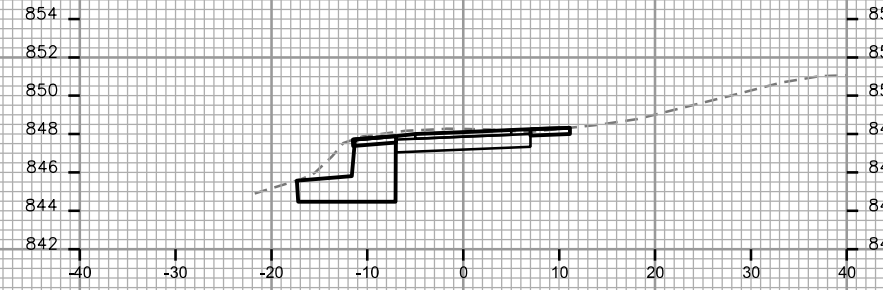
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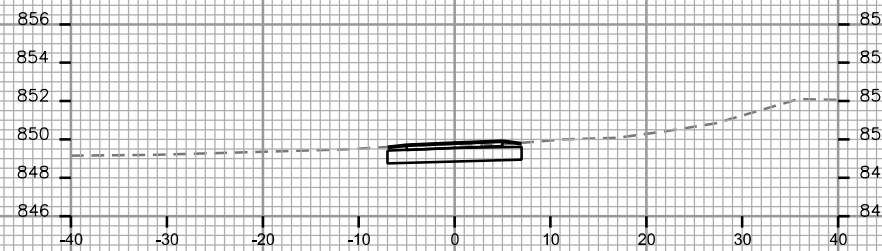
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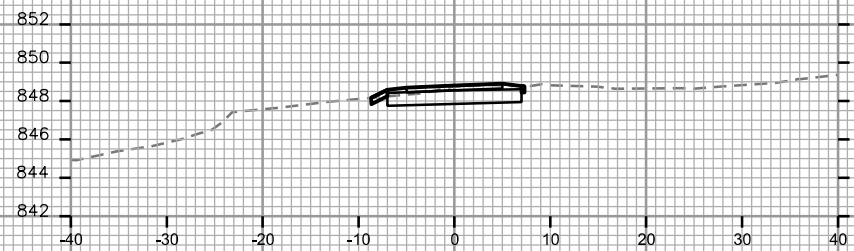
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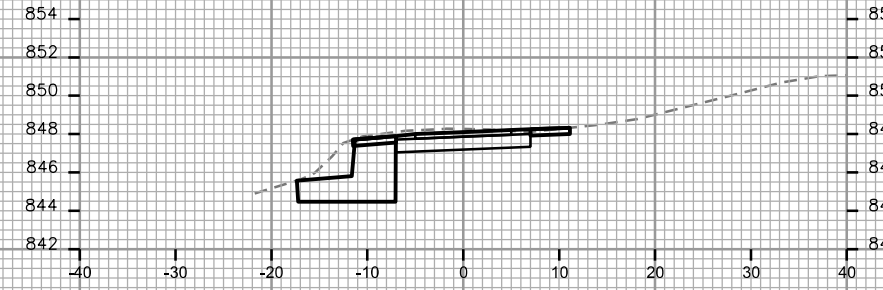
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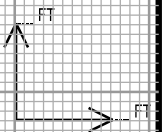
STA. 11+25



STA. 12+25



STA. 13+25



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

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

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

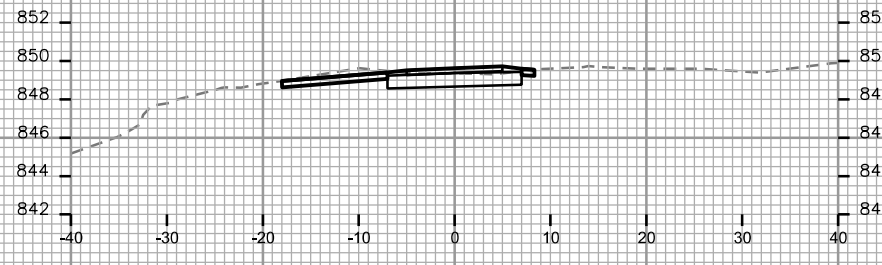
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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

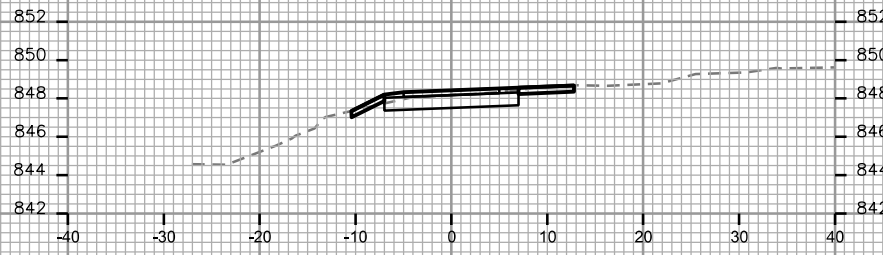
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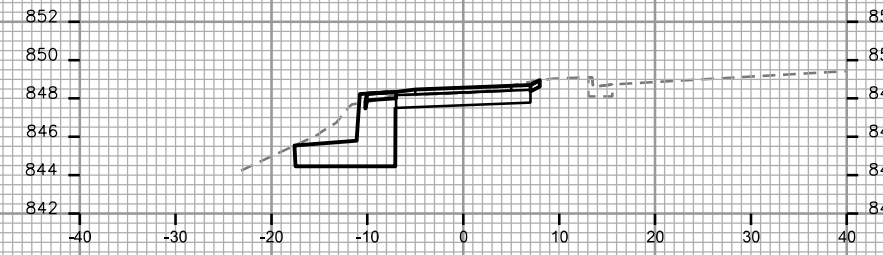
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



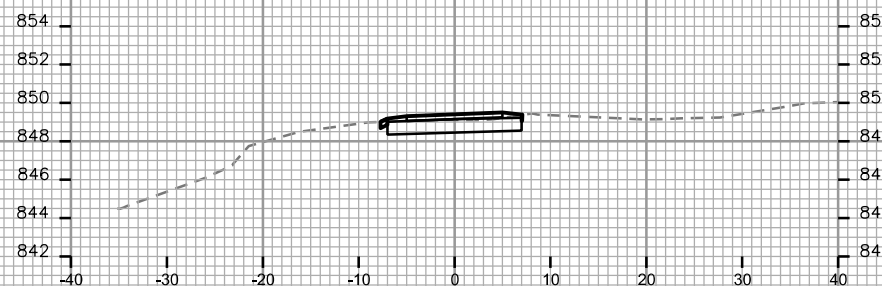
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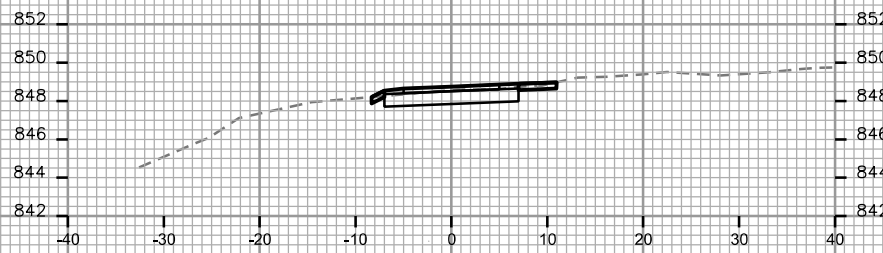
STA. 16+25



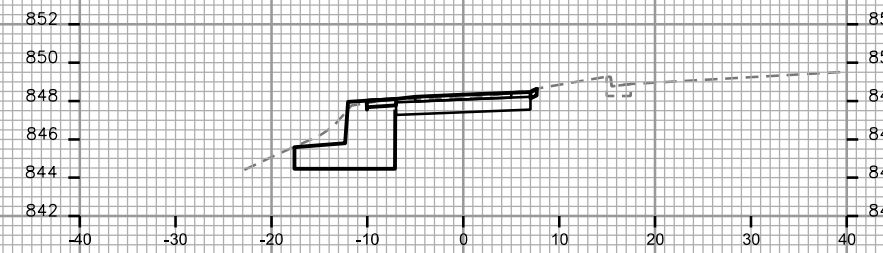
STA. 17+25



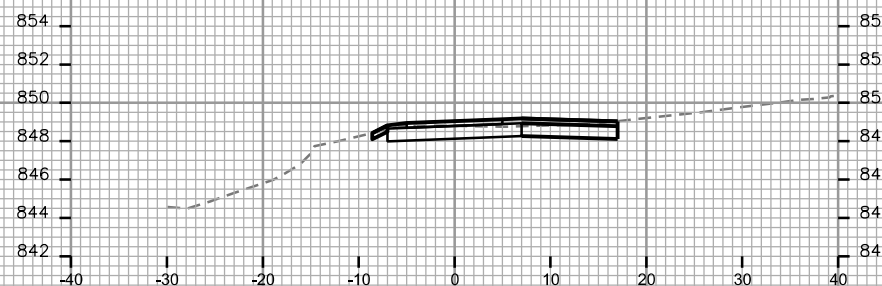
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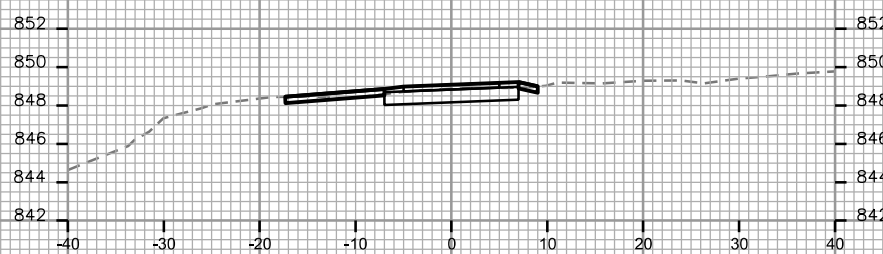
STA. 16+00



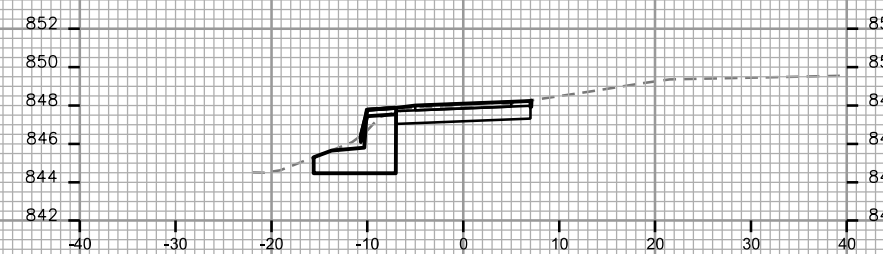
STA. 17+00



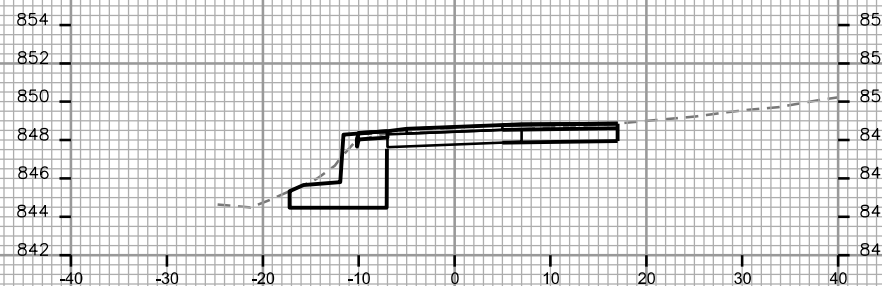
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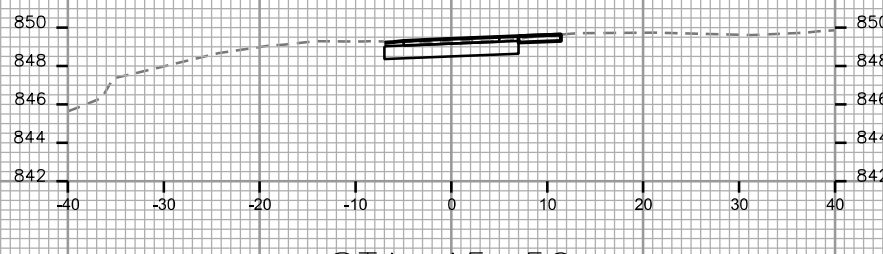
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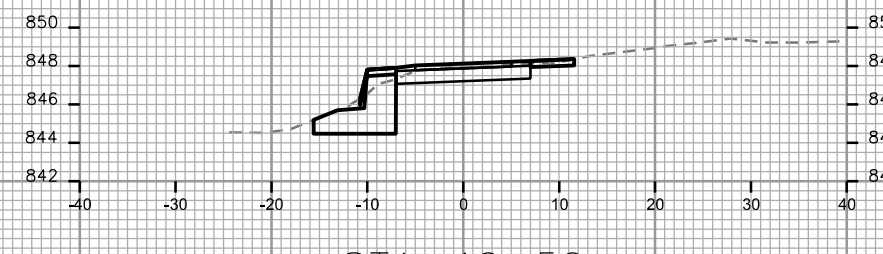
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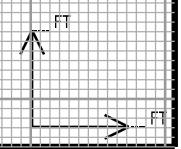
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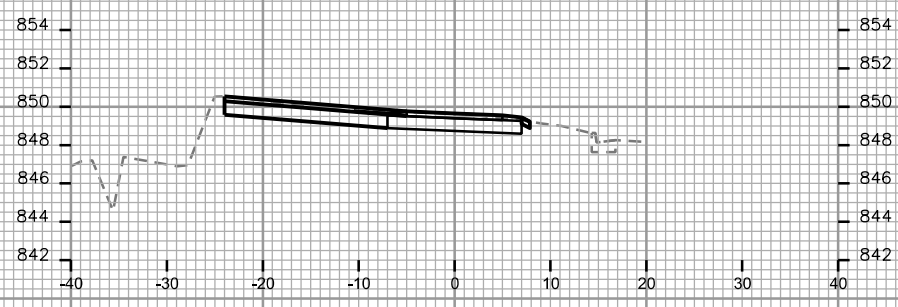


STA. 15+50

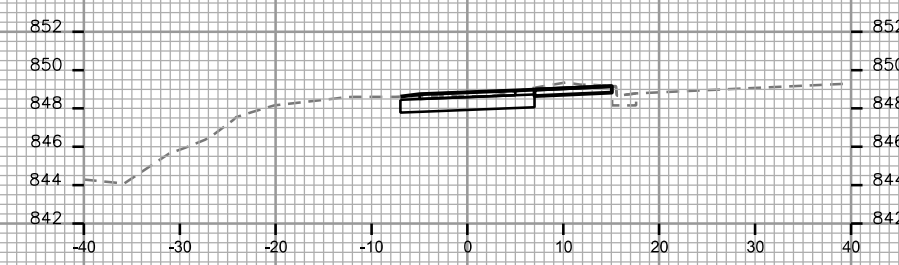


STA. 16+50

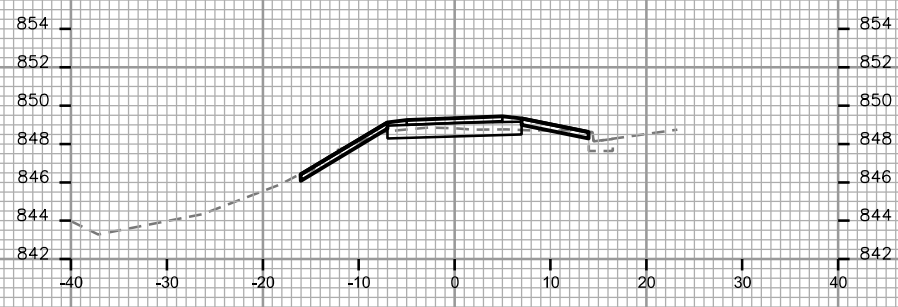




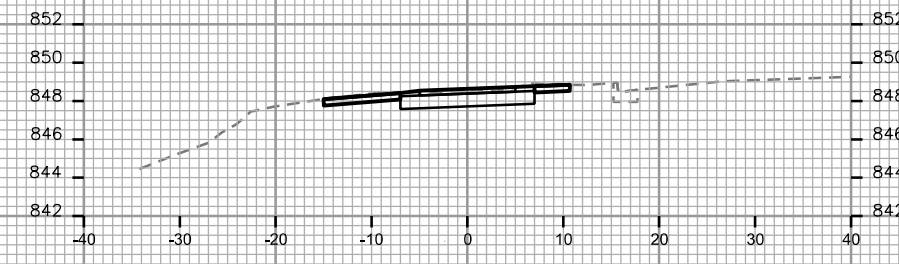
STA. 18+25



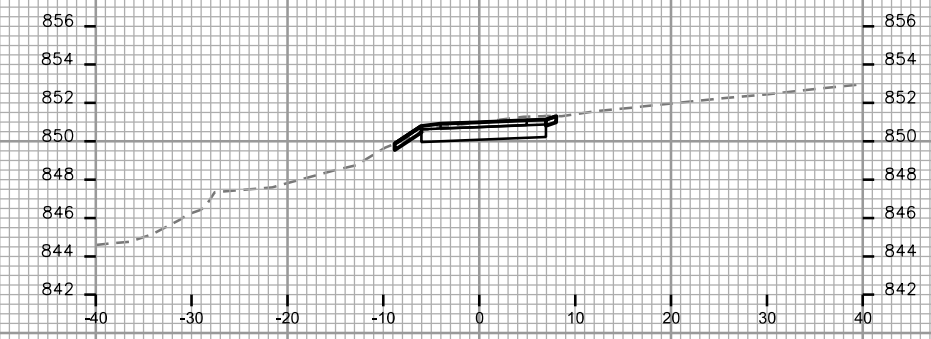
STA. 19+25



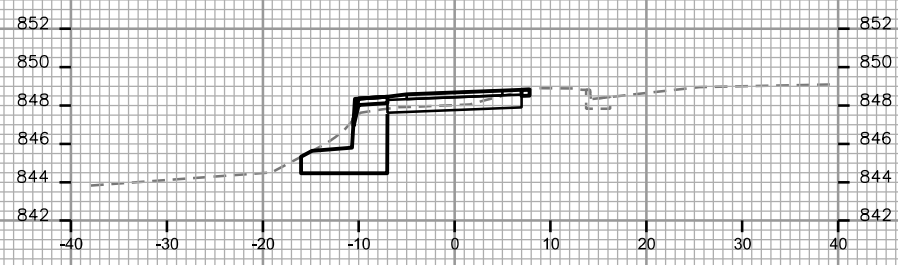
STA. 18+00



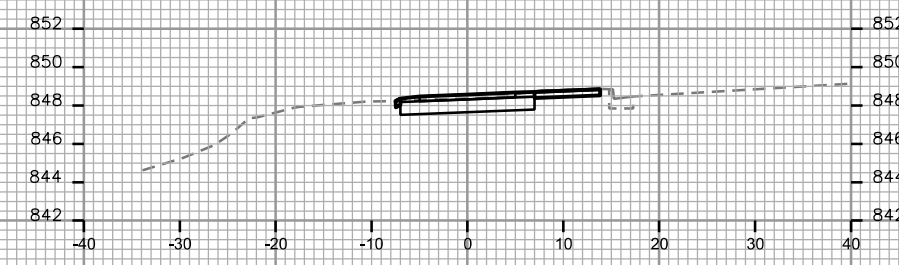
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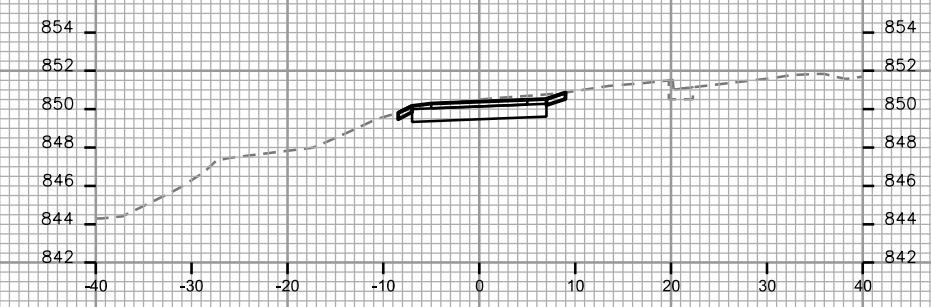
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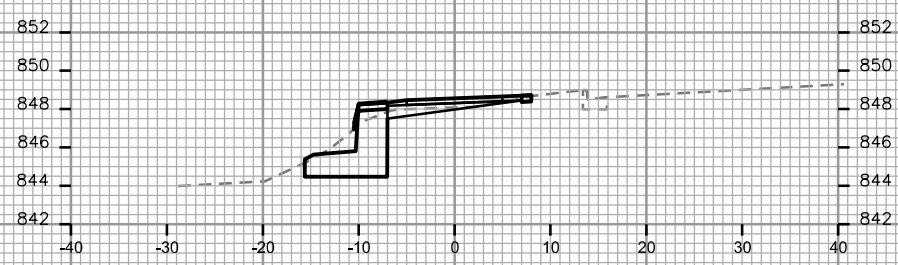
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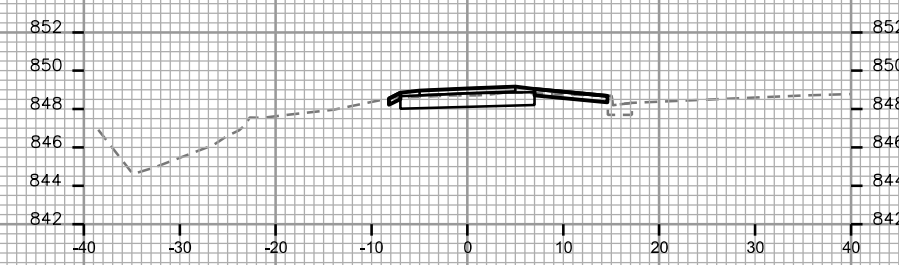
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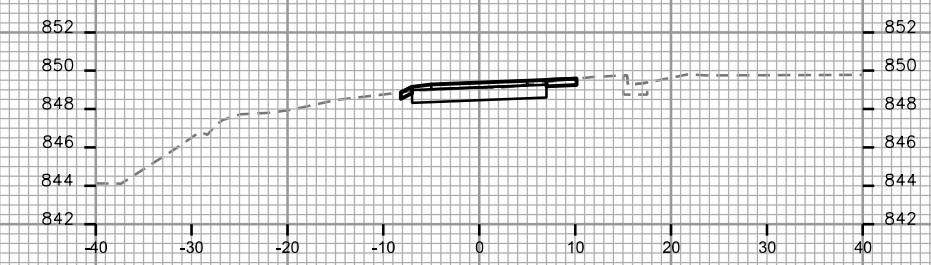
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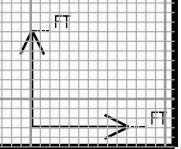
STA. 17+50



STA. 18+50



STA. 19+50



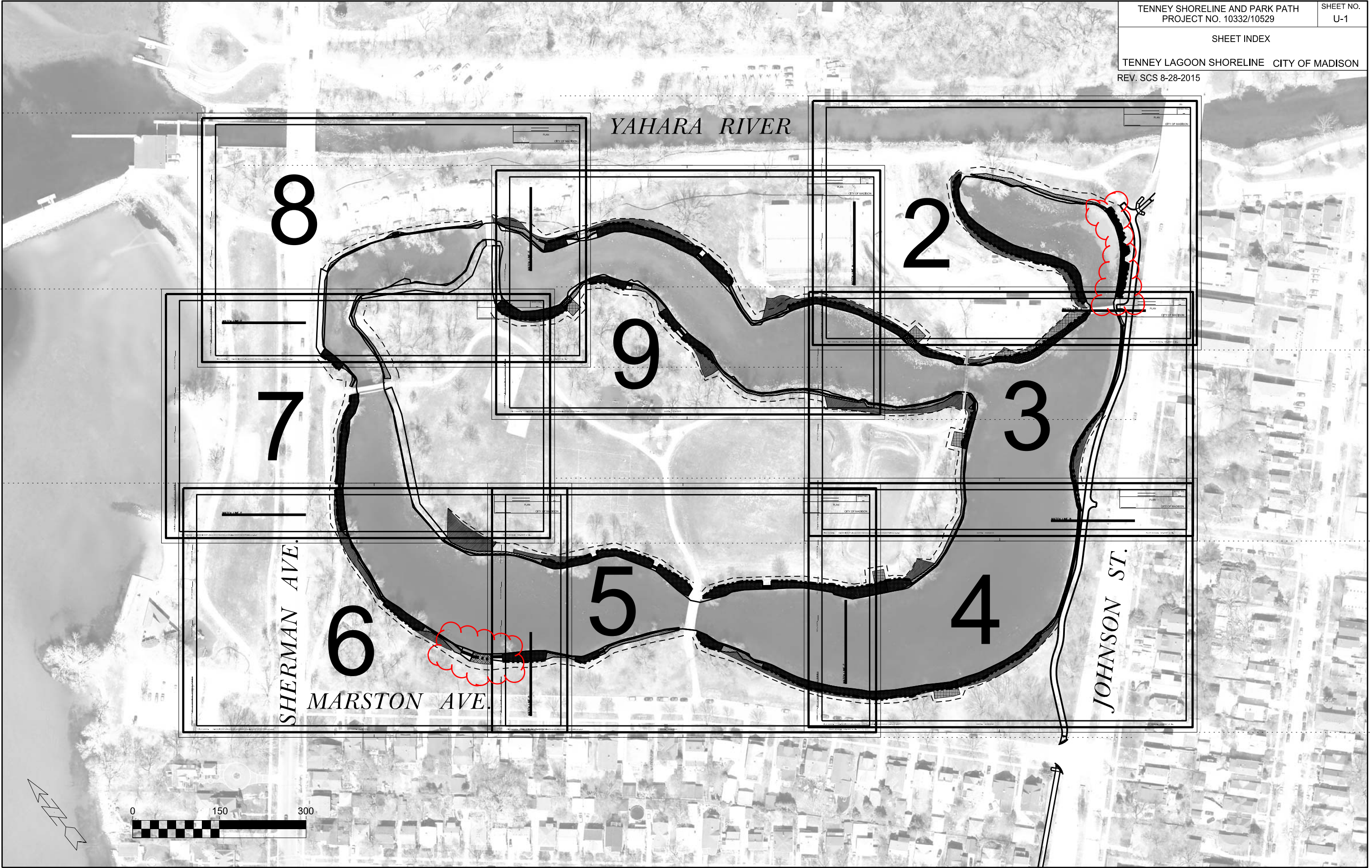
PLOT SCALE: \_\_\_\_\_

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





NOTE:  
 1) DISTURBED AREAS ADJACENT TO THE SHORELINE SHALL BE RESTORED WITH TOPSOIL OR SEED BED PREPARATION, TEMPORARY SEED, AND EROSION MATTING PER PLAN.  
 2) DISTURBED AREAS REMOVED FROM THE SHORELINE (HAUL ROUTES, LAY-DOWN AREAS, ETC.) SHALL BE RESTORED WITH TOPSOIL, TERRACE SEED MIX, AND STRAW MULCH.

DISTURBED BUFFER LIMITS  
 ANY DISTURBANCE BEYOND AN APPROXIMATE 10-FOOT BUFFER SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE.

TREE REMOVAL, SEE SHEETS C-1 THROUGH C-5

EXISTING ASPHALT PATH

COIR LOG  
 TEMPORARY SEED MIX

COIR LOG TO BE GRADED AROUND TREE

VEGETATED BUFFER  
 TEMPORARY SEED MIX

TURF REMOVAL  
 TEMPORARY SEED MIX

GRADE AROUND TREE

PROPOSED PATH  
 SEE SHEETS P-1 THROUGH P-3

GRADE AROUND TREE

MUSKRAT BARRIER TO BE INSTALLED AT OR NEAR TOP OF GRADED SLOPES. CONTRACTOR SHALL WORK AROUND EXISTING VEGETATION AND UTILITIES.

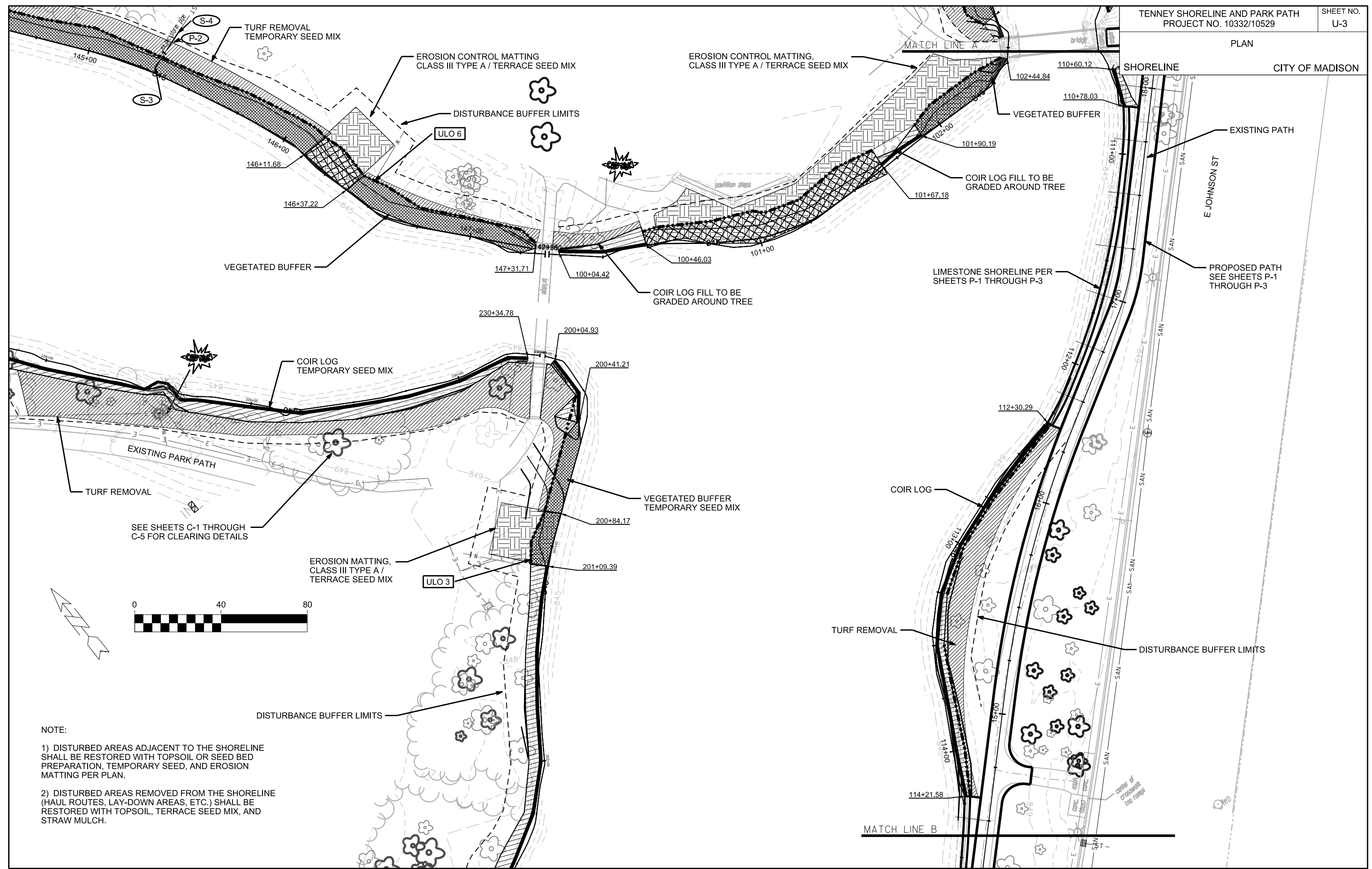
DISTURBANCE BUFFER LIMITS

EROSION CONTROL MATTING,  
 CLASS III TYPE A / TERRACE SEED MIX

MUSKRAT BARRIER

VEGETATED BUFFER

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



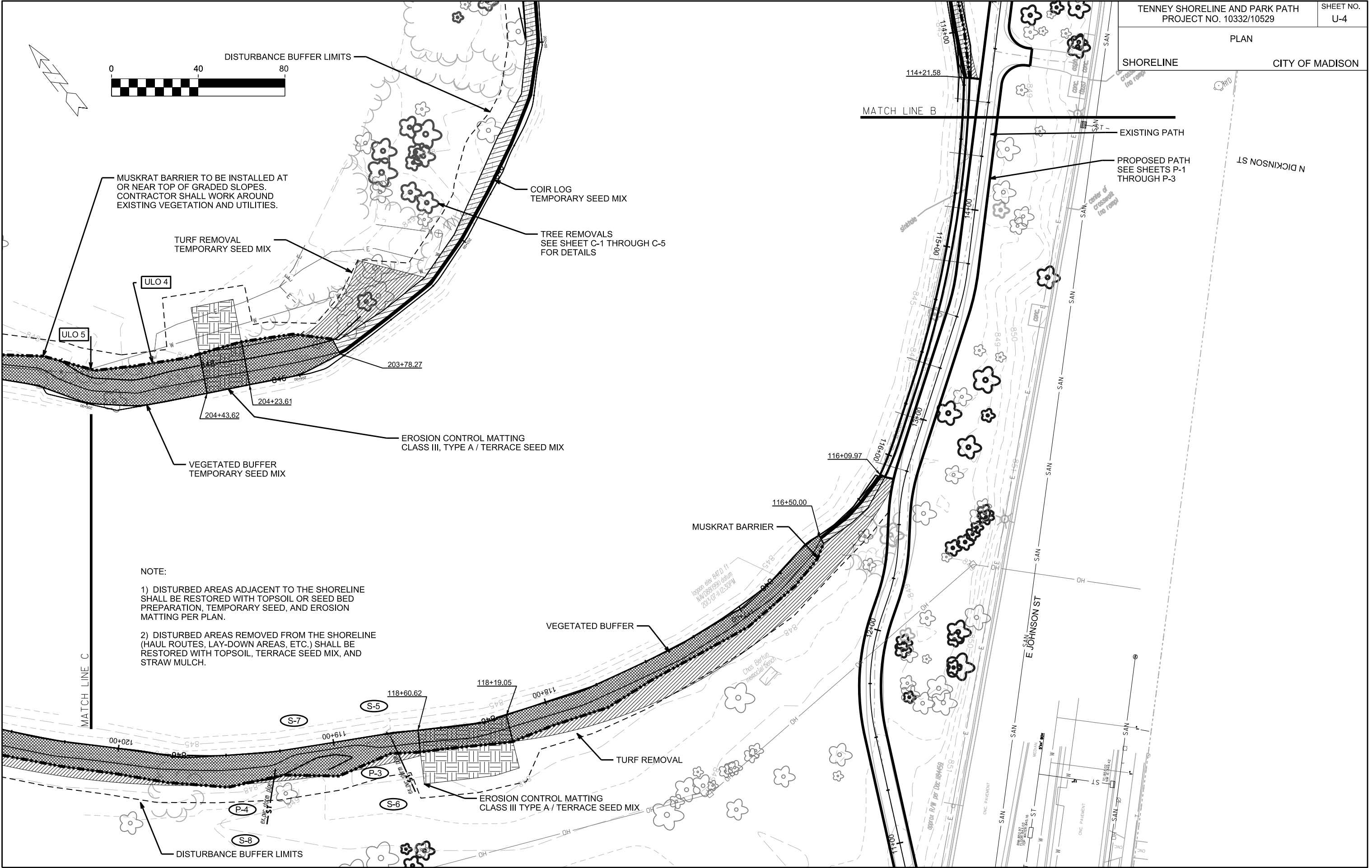
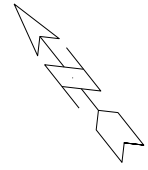
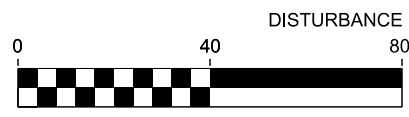
NOTE:  
 1) DISTURBED AREAS ADJACENT TO THE SHORELINE SHALL BE RESTORED WITH TOPSOIL OR SEED BED PREPARATION, TEMPORARY SEED, AND EROSION MATTING PER PLAN.  
 2) DISTURBED AREAS REMOVED FROM THE SHORELINE (HAUL ROUTES, LAY-DOWN AREAS, ETC.) SHALL BE RESTORED WITH TOPSOIL, TERRACE SEED MIX, AND STRAW MULCH.

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



NOTE:

- 1) DISTURBED AREAS ADJACENT TO THE SHORELINE SHALL BE RESTORED WITH TOPSOIL OR SEED BED PREPARATION, TEMPORARY SEED, AND EROSION MATTING PER PLAN.
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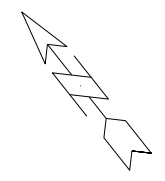
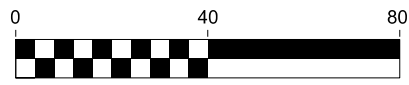
PLOT SCALE: \_\_\_\_\_

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



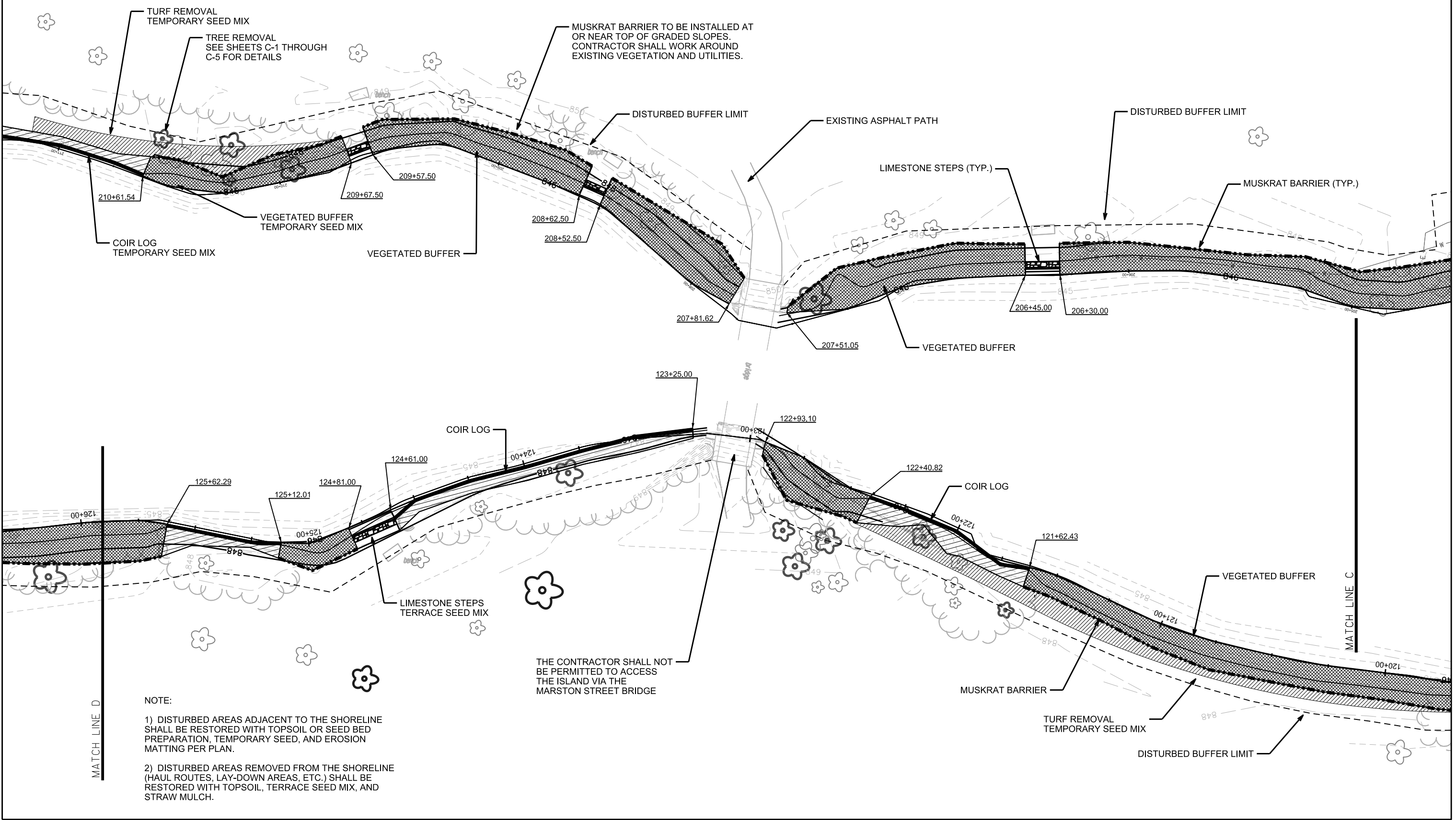


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREET'S DIVISION



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- 2) DISTURBED AREAS REMOVED FROM THE SHORELINE (HAUL ROUTES, LAY-DOWN AREAS, ETC.) SHALL BE RESTORED WITH TOPSOIL, TERRACE SEED MIX, AND STRAW MULCH.

THE CONTRACTOR SHALL NOT BE PERMITTED TO ACCESS THE ISLAND VIA THE MARSTON STREET BRIDGE

MATCH LINE E

TREE REMOVAL  
SEE SHEETS C-1 THROUGH  
C-5 FOR DETAILS

NO ALTERATION

TURF REMOVAL

TURF REMOVAL

EXISTING GRAVEL PATH

COIR LOG  
TEMPORARY SEED MIX

COIR LOG  
TEMPORARY SEED MIX

MUSKRAT BARRIER

VEGETATED BUFFER  
TEMPORARY SEED MIX

MUSKRAT BARRIER TO BE INSTALLED AT  
OR NEAR TOP OF GRADED SLOPES.  
CONTRACTOR SHALL WORK AROUND  
EXISTING VEGETATION AND UTILITIES.

COIR LOG

TURF REMOVAL

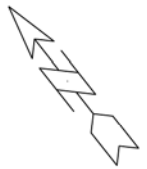
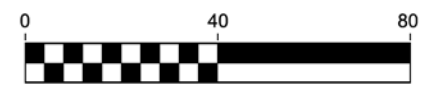
LIMESTONE STEPS

NOTE:

- 1) DISTURBED AREAS ADJACENT TO THE SHORELINE SHALL BE RESTORED WITH TOPSOIL OR SEED BED PREPARATION, TEMPORARY SEED, AND EROSION MATTING PER PLAN.
- 2) DISTURBED AREAS REMOVED FROM THE SHORELINE (HAUL ROUTES, LAY-DOWN AREAS, ETC.) SHALL BE RESTORED WITH TOPSOIL, TERRACE SEED MIX, AND STRAW MULCH.

MUSKRAT BARRIER

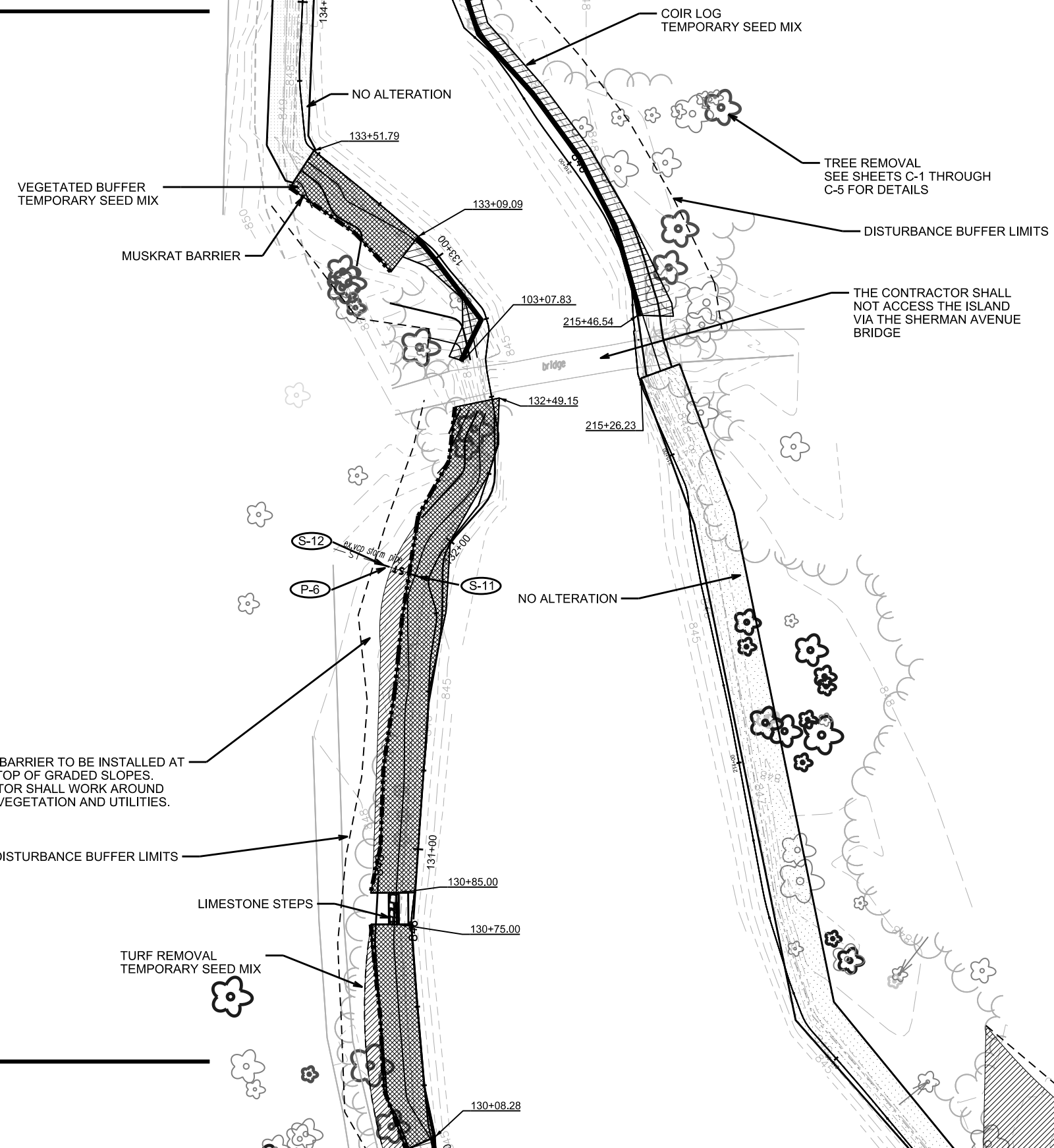
GRADE AROUND  
STORM OUTFALL



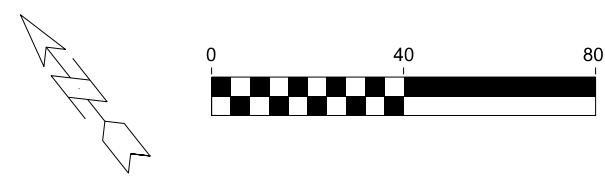
MATCH LINE D

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

MATCH LINE F



- NOTE:
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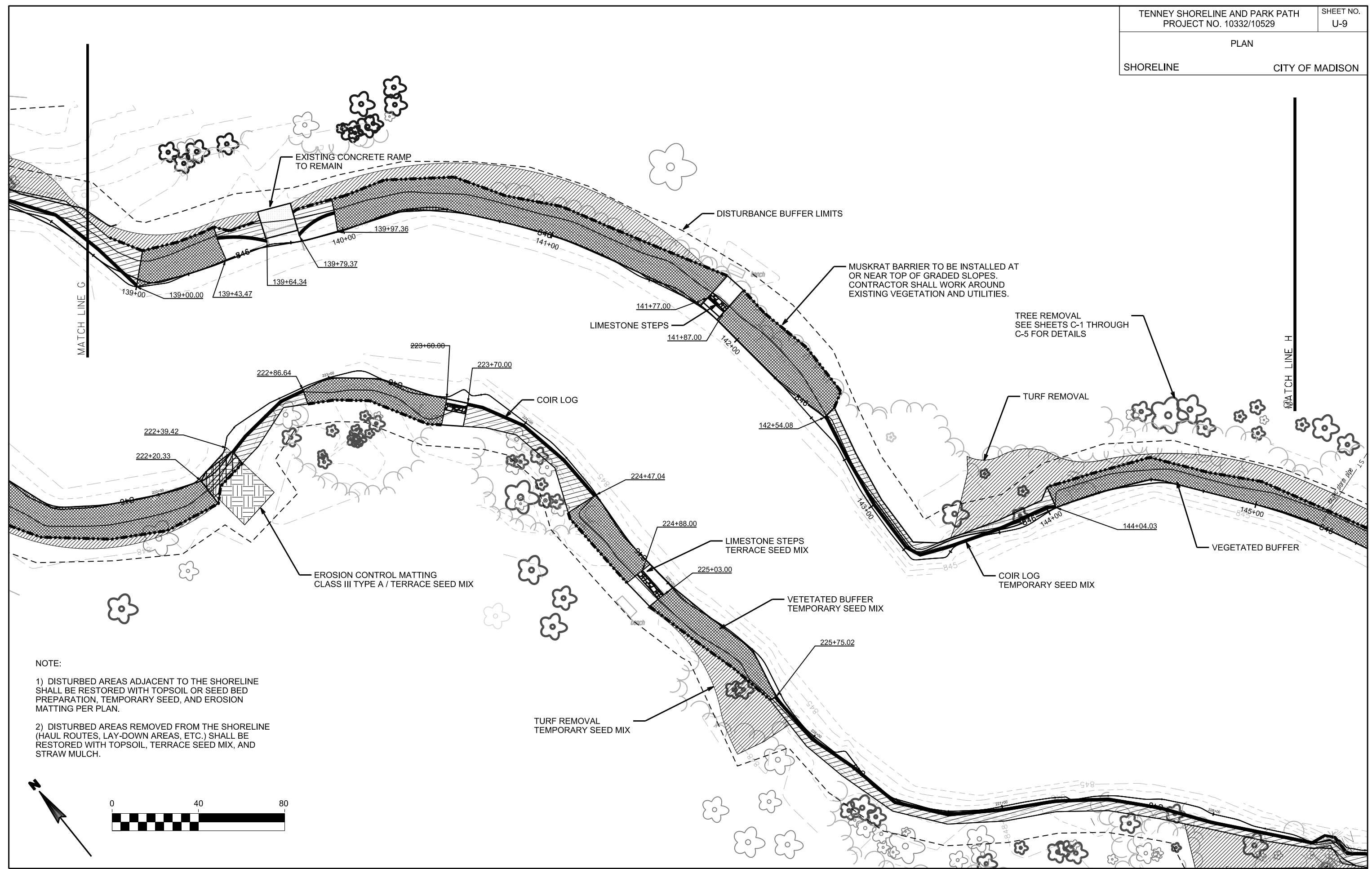


MATCH LINE E

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







- NOTE:
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  - 2) DISTURBED AREAS REMOVED FROM THE SHORELINE (HAUL ROUTES, LAY-DOWN AREAS, ETC.) SHALL BE RESTORED WITH TOPSOIL, TERRACE SEED MIX, AND STRAW MULCH.



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

# SHORELINE TREATMENT SCHEDULE

\* REV SCS 8-28-2015

TENNEY SHORELINE AND PARK PATH	SHEET NO.
PROJECT NO. 10332/10529	U-10
SHORELINE TREATMENT SCHEDULE	
MAINLAND	CITY OF MADISON

## MAINLAND

FROM STATION	TO STATION	LENGTH L.F.	TREATMENT 1	TREATMENT 2	CUT C.Y.	FILL C.Y.	MUSKRAT DETERRENT L.F.	ECM CLASS I URBAN TYPE A S.Y.	ECM CLASS II TYPE C S.Y.	ECM CLASS III TYPE A S.Y.	#2 WASHED STONE TON	TURF REM. S.Y.	NOTES
100+04.42	100+46.03	41.6	COIR LOG	--	0.0	4.3	0	64	0	0	3.7	0	(1)
100+46.03	101+67.18	121.2	VEGETATED BUFFER	ECM CLASS III, TYPE A	7.8	0.0	117	167	0	251	30.3	0	(2)
101+67.18	101+90.19	23.0	COIR LOG	ECM CLASS III, TYPE A	0.0	0.2	0	54	0	40	2.1	0	INSTALL ECM CLASS III AROUND TREE
101+90.19	102+44.84	54.6	VEGETATED BUFFER	ECM CLASS III, TYPE A	2.8	0.0	52	96	0	120	13.6	0	(2)
102+44.84	106+12.72	345.2	VEGETATED BUFFER	--	20.0	0.0	359	674	476	0	0	0	(1), (4)
<b>106+23.77</b>	<b>108+69.11</b>	<b>245.3</b>	<b>COIR LOG</b>	--	<b>5.0</b>	<b>21.4</b>	<b>0</b>	<b>462</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>0</b>	<b>(1)</b>
<b>108+69.11</b>	<b>110+29.70</b>	<b>160.6</b>	<b>VEGETATED BUFFER</b>	--	<b>32.0</b>	<b>0.0</b>	<b>161</b>	<b>353</b>	<b>119</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(1), (4)</b>
110+29.70	110+78.03	17.9	COIR LOG	--	0.0	0.0	0	28	0	0	1.6	0	ECM CLASS I QTY = AREA BETWEEN LAGOON AND PATH
110+78.03	112+30.29	152.3	LIMESTONE SHORELINE	--	0	0	0	56	0	0	0	0	(5), ECM CLASS I QTY = AREA BETWEEN STONE AND PATH
112+30.29	114+21.59	191.3	COIR LOG	TURF REMOVAL	1.0	1.2	0	182	0	0	17.2	142	(6)
114+21.59	116+09.97	188.4	LIMESTONE SHORELINE	--	0	0	0	73	0	0	0	0	(5), ECM CLASS I QTY = AREA BETWEEN STONE AND PATH
116+09.97	116+50.00	40.0	COIR LOG	TURF REMOVAL	0.0	1.6	0	51	0	0	3.6	39	(6)
116+50.00	118+19.05	169.0	VEGETATED BUFFER	TURF REMOVAL	13.0	0.0	174	240	122	0	0	147	(1), (4), (6)
118+19.05	118+60.62	41.6	VEGETATED BUFFER	ECM CLASS III, TYPE A	6.7	0.0	42	114	0	120	10.4	0	(1), (2)
118+60.62	121+62.43	301.8	VEGETATED BUFFER	TURF REMOVAL	25.3	0.0	310	690	242	0	0	120	(1), (4)
121+62.43	122+40.82	78.4	COIR LOG	TURF REMOVAL	0.0	7.6	0	121	0	0	7.1	0	(1)
122+40.82	122+93.10	52.3	VEGETATED BUFFER	--	13.9	0.0	54	111	29	0	0	0	(1), (4)
123+25.00	124+61.00	136.0	COIR LOG	--	0.0	13.1	0	228	0	0	12.2	0	(1)
124+61.00	124+80.00	19.0	LIMESTONE STEPS	--	0	0	0	44	0	0	0	0	(3)
124+81.00	125+12.01	31.0	VEGETATED BUFFER	--	6.4	0.0	38	68	15	0	0	0	(1), (4)
125+12.01	125+62.29	50.3	COIR LOG	--	0.0	2.4	0	86	0	0	4.5	0	(1)
125+62.29	126+40.00	77.7	VEGETATED BUFFER	--	18.8	0.0	75	171	53	0	0	0	(1), (4)
126+40.00	126+60.00	20.0	LIMESTONE STEPS	--	0	0	0	44	0	0	0	0	(3)
<b>126+60.00</b>	<b>126+90.00</b>	<b>30.0</b>	<b>VEGETATED BUFFER</b>	<b>ECM CLASS III, TYPE A</b>	<b>9.8</b>	<b>0.0</b>	<b>30</b>	<b>78</b>	<b>0</b>	<b>67</b>	<b>7.5</b>	<b>0</b>	<b>(1), (4)</b>
<b>126+90.00</b>	<b>127+10.00</b>	<b>20.0</b>	<b>LIMESTONE STEPS</b>	--	<b>0</b>	<b>0</b>	<b>0</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(3)</b>
<b>127+10.00</b>	<b>127+84.98</b>	<b>74.8</b>	<b>COIR LOG</b>	<b>TURF REMOVAL</b>	<b>0.0</b>	<b>3.0</b>	<b>0</b>	<b>207</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>94</b>	<b>(1), (6)</b>
127+84.98	128+66.00	81.0	VEGETATED BUFFER	--	16.1	0.0	83	164	48	0	0	0	(1), (4)
128+66.00	128+76.00	10.0	LIMESTONE STEPS	--	0	0	0	22	0	0	0	0	(3)
128+76.00	130+08.24	132.2	COIR LOG	TURF REMOVAL	0.0	6.7	0	173	0	0	11.9	146	(1), (6)
130+08.24	130+75.00	66.8	VEGETATED BUFFER	TURF REMOVAL	11.9	0.0	73	94	43	0	0	40	(1), (4), (6)
130+75.00	130+85.00	10.0	LIMESTONE STEPS	--	0	0	0	22	0	0	0	0	(3)
130+85.00	132+49.15	164.2	VEGETATED BUFFER	--	26.6	0.0	158	307	128	0	0	0	(1), (4)
132+49.15	133+09.09	59.9	COIR LOG	--	0.0	4.6	0	82	0	0	5.4	0	(1)
133+09.09	133+51.90	42.8	VEGETATED BUFFER	--	11.9	0.0	42	110	19	0	0	0	(1), (4)
134+86.04	136+17.00	131.0	COIR LOG	--	0.0	2.3	0	144	0	0	11.8	0	(1)
136+17.00	136+27.10	10.1	LIMESTONE STEPS	--	0	0	0	22	0	0	0	0	(3)
136+27.10	137+75.00	147.9	COIR LOG	--	0.0	2.7	0	141	0	0	13.3	0	(1)
138+00.00	139+00.00	100.0	COIR LOG	TURF REMOVAL	0.0	6.0	17	211	0	0	9	81	(1), (6)
139+00.00	139+43.77	43.8	VEGETATED BUFFER	TURF REMOVAL	1.0	0	35	72	49	0	0	19	(1), (4), (6)
139+43.77	139+64.34	18.6	COIR LOG	--	0.0	3.8	20	51	0	0	1.7	15	(1), (6)
139+64.34	139+79.37	18.0	COIR LOG	TURF REMOVAL	0.0	3.1	17	39	0	0	1.6	122	(1), (6)
139+79.37	141+77.00	179.6	VEGETATED BUFFER	TURF REMOVAL	10.8	0.0	194	363	187	0	0	178	(1), (4), (6)
141+77.00	141+87.00	10.0	LIMESTONE STEPS	--	0	0	0	22	0	0	0	0	(3)
141+87.00	142+54.08	67.1	VEGETATED BUFFER	--	12.3	0.0	74	141	73	0	0	0	(1), (4)
142+54.08	144+04.03	150.0	COIR LOG	TURF REMOVAL	0.0	7.7	0	252	0	0	13.5	137	(1), (6)
144+04.03	146+11.68	207.7	VEGETATED BUFFER	TURF REMOVAL	6.1	0.0	221	328	174	0	0	142	(1), (4), (6)
146+11.68	146+37.22	25.5	VEGETATED BUFFER	ECM CLASS III, TYPE A	2.5	0.0	16	15	0	87	6.4	0	(3)
146+37.22	147+31.71	94.5	VEGETATED BUFFER	TURF REMOVAL	8.2	0.0	87	119	81	0	0	24	(3)

## SPECIFIC NOTES

- (1) ECM CLASS I QUANTITY INCLUDES 10' DISTURBANCE BUFFER IN ADDITION TO THE GRADING LIMITS
- (2) NO ECM CLASS I BELOW EL. 847.0
- (3) ECM CLASS I QUANTITY INCLUDES A 20' DISTURBANCE BUFFER IN ADDITION TO THE GRADING LIMITS
- (4) ECM CLASS I ABOVE 847.0, ECM CLASS II BELOW 847.0
- (5) SEE BIKE PATH SHEETS FOR DETAILS
- (6) ECM CLASS I QUANTITY INCLUDES QUANTITY FOR TURF REMOVAL STABILIZATION

## GENERAL NOTES

- (1) QUANTITIES FOR ECM DO NOT INCLUDE OVERLAP ESTIMATES.
- (2) FIELD QUANTITIES MAY DIFFER SLIGHTLY
- (3) CUT AND FILL QUANTITIES OMIT REMOVAL AND PLACEMENT OF TOPSOIL
- (4) CUT QUANTITIES DO NOT INCLUDE AN EXPANSION FACTOR
- (5) FILL QUANTITIES REFLECT IN-PLACE FILL

PLOT SCALE: --- PLOT NAME: --- REV. DATE: ---

ORIGINATOR: CITY OF MADISON STREETS DIVISION

# SHORELINE TREATMENT SCHEDULE

TENNEY SHORELINE AND PARK PATH	SHEET NO.
PROJECT NO. 10332/10529	U-11
SHORELINE TREATMENT SCHEDULE	
ISLAND	CITY OF MADISON

## ISLAND

FROM STATION	TO STATION	LENGTH L.F.	TREATMENT 1	TREATMENT 2	CUT C.Y.	FILL C.Y.	MUSKRAT DETERRENT L.F.	ECM CLASS I URBAN TYPE A S.Y.	ECM CLASS II TYPE C S.Y.	ECM CLASS III TYPE A S.Y.	#2 WASHED STONE TON	TURF REM. S.Y.	NOTES
200+04.93	200+41.21	36.3	COIR LOG	TURF REMOVAL	0.0	0.8	12	45	0	0	3.3	35.8	(1), (6)
200+41.21	200+84.17	43.0	VEGETATED BUFFER	TURF REMOVAL	19.4	0.0	34	54	28	0	0	34	(1), (4), (6),
200+84.17	201+09.39	25.2	VEGETATED BUFFER	ECM CLASS III, TYPE A	5.7	0.0	27	136	0	76	6.25	0	(1), (4)
201+09.39	203+78.27	268.9	COIR LOG	TURF REMOVAL	0.0	13.6	0	467	0	0	24.2	814	(1), (6)
203+78.27	204+23.61	45.3	VEGETATED BUFFER	--	14.0	0.0	42	57	26	0	0	0	(1), (4)
204+23.61	204+43.62	20.0	VEGETATED BUFFER	ECM CLASS III, TYPE A	7.7	0.0	20	226	0	89	5	0	(1)
204+43.62	206+30.00	186.4	VEGETATED BUFFER	--	33.6	0.0	181	330	136	0	0	0	(1), (4)
206+30.00	206+45.00	15.0	LIMESTONE STEPS	--			0	33	0	0	0	0	(3)
206+45.00	207+51.06	106.1	VEGETATED BUFFER	--	34.9	0.0	110	197	79	0	0	0	(1), (4)
207+51.06	208+52.50	70.9	VEGETATED BUFFER	--	11.5	0.0	74	155	44	0	0	0	(1), (4)
208+52.50	208+62.50	10.0	LIMESTONE STEPS	--			0	22	0	0	0	0	(3)
208+62.50	209+57.50	95.0	VEGETATED BUFFER	--	11.5	0.0	12	188	64	0	0	0	(1), (4)
209+57.50	209+67.50	10.0	LIMESTONE STEPS	--			0	22	0	0	0	0	(3)
209+67.50	210+61.54	94.0	VEGETATED BUFFER	TURF REMOVAL	3.0	0.0	88	173	54	0	0	45	(1), (4), (6)
210+61.54	212+39.60	178.1	COIR LOG	TURF REMOVAL	0.0	6.0	0	586	0	0	16	367	(1), (6)
215+46.54	217+15.59	169.0	COIR LOG	--	0.0	12.7	0	345	0	0	15.2	0	(1)
221+12.15	222+20.33	108.2	VEGETATED BUFFER	TURF REMOVAL	5.3	0.0	156	286	136	0	0	42	(1), (4), (6)
222+20.33	222+39.42	19.1	VEGETATED BUFFER	ECM CLASS III, TYPE A	1.0	0.0	23	118	0	66	5	0	(1)
222+39.42	222+86.64	47.2	COIR LOG	--	0.0	6.4	0	70	0	0	4.2	0	(1)
222+86.64	223+60.00	73.4	VEGETATED BUFFER	--	2.7	0.0	64	112	49	0	0	0	(1), (4)
223+60.00	223+70.00	10.0	LIMESTONE STEPS	--			0	22	0	0	0	0	(3)
223+70.00	224+47.04	77.0	COIR LOG	--	0.0	6.0	0	139	0	0	19.3	0	(1)
224+47.04	224+88.00	41.0	VEGETATED BUFFER	--	3.4	0.0	42	83	46	0	0	0	(1), (4)
224+88.00	225+03.00	15.0	LIMESTONE STEPS	--			0	33	0	0	0	0	(3)
225+03.00	225+75.02	72.0	VEGETATED BUFFER	TURF REMOVAL	2.6	0.0	71	144	64	0	0	65	(1), (4), (6)
225+75.02	230+34.78	459.8	COIR LOG	TURF REMOVAL	0.0	33.4	0	934	0	0	41.4	360	(1), (6)

### SPECIFIC NOTES

- (1) ECM CLASS I QUANTITY INCLUDES 10' DISTURBANCE BUFFER IN ADDITION TO THE GRADING LIMITS
- (2) NO ECM CLASS I BELOW EL. 847.0
- (3) ECM CLASS I QUANTITY INCLUDES A 20' DISTURBANCE BUFFER IN ADDITION TO THE GRADING LIMITS
- (4) ECM CLASS I ABOVE 847.0, ECM CLASS II BELOW 847.0
- (5) SEE BIKE PATH SHEETS FOR DETAILS
- (6) ECM CLASS I QUANTITY INCLUDES QUANTITY FOR TURF REMOVAL STABILIZATION

### GENERAL NOTES

- (1) QUANTITIES FOR ECRM DO NOT INCLUDE OVERLAP ESTIMATES.
- (2) FIELD QUANTITIES MAY DIFFER SLIGHTLY
- (3) CUT AND FILL QUANTITIES OMIT REMOVAL AND PLACEMENT OF TOPSOIL
- (4) CUT QUANTITIES DO NOT INCLUDE AN EXPANSION FACTOR
- (5) FILL QUANTITIES REFLECT IN-PLACE FILL

# STORM SEWER SCHEDULE

TENNEY SHORELINE AND PARK PATH	SHEET NO.
PROJECT NO. 10332/10529	U-12
STORM SEWER SCHEDULE	
CITY OF MADISON	

## STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-1	105+35.21	LT-5.73	PIPE END	--	845.90	(1)	
S-2	105+04.45	LT-25.50	GASKET COUPLING	--	--	(2), (3)	
S-3	145+31.43	LT-2.32	PIPE END	--	845.90	(1)	
S-4	145+33.94	LT-21.70	GASKET COUPLING	--	--	(2), (3)	
S-5	118+73.06	LT-4.11	PIPE END	--	845.90	(1)	
S-6	118+64.33	LT-28.24	GASKET COUPLING	--	--	(2), (3)	
S-7	119+28.05	LT-7.65	PIPE END	--	845.90	(1)	
S-8	119+33.68	LT-32.95	GASKET COUPLING	--	--	(2), (3)	
S-9	126+64.52	LT-1.60	APRON ENDWALL	--	845.90	(3), (4), (5)	
S-10	126+57.54	LT-20.09	CONCRETE COLLAR	--	--	(3)	
S-11	131+86.25	LT-3.07	APRON ENDWALL	--	845.90	(3), (4)	
S-12	131+92.47	LT-15.12	CONCRETE COLLAR	--	--	(3)	

## 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	33	845.90	--	--	12"	C900	
P-2	S-3	S-4	20	845.90	--	--	12"	C900	
P-3	S-5	S-6	25	845.90	--	--	12"	C900	
P-4	S-7	S-8	26	845.90	--	--	12"	C900	
P-5	S-9	S-10	12	845.90	--	--	12"	RCP	
P-6	S-11	S-12	12	845.90	--	--	12"	RCP	

## ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	ELEV TOP	ELEV BOT.	NOTES
ULO-1	103+30.66	LT-15.70	FIBER OPTIC			
ULO-2	102+93.92	LT-11.67	WATER			
ULO-3	201+09.39	RT-8.42	WATER, ELEC.			
ULO-4	204+65.69	RT-18.60	ELEC.			
ULO-5	205+02.09	RT-15.78	WATER			
ULO-6	146+45.07	LT-11.08	WATER			

## SPECIFIC NOTES

- (1) PIPE TO BE CUT FLUSH TO GRADED SHORELINE
- (2) LOCATION IS APPROXIMATE, TO BE FIELD DETERMINED
- (3) PIPE REPLACEMENT SHALL EXTEND OUTSIDE OF WORK/TRAFFIC AREA
- (4) APRON ENDWALL TO BE GRADED INTO BANK
- (5) THE CONTRACTOR SHALL SALVAGE AND REUSE APRON ENDWALL IF POSSIBLE

## 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