

Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

#### PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

APRIL 30, 2019

BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

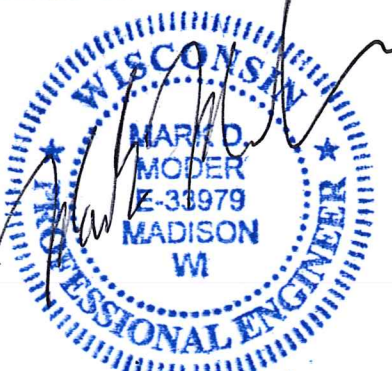
PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

 **5/19/19**  
City Engineer Date

STREET  
DESIGNED BY:


  
ANDREW J. ZWIEG  
E-41753  
FITCHBURG, WI  
5/8/19  
PROFESSIONAL ENGINEER

SANITARY SEWER  
DESIGNED BY:

  
MARK D. MODER  
E-33979  
MADISON, WI  
5/19/19  
PROFESSIONAL ENGINEER

STORM SEWER  
DESIGNED BY:

  
KELLY B. MIESS  
E-41821  
MADISON, WI  
5/8/19  
PROFESSIONAL ENGINEER

  
GREGORY T. FRIES  
E-30665  
MADISON, WI  
5/19/19  
PROFESSIONAL ENGINEER

#### INDEX OF SHEETS

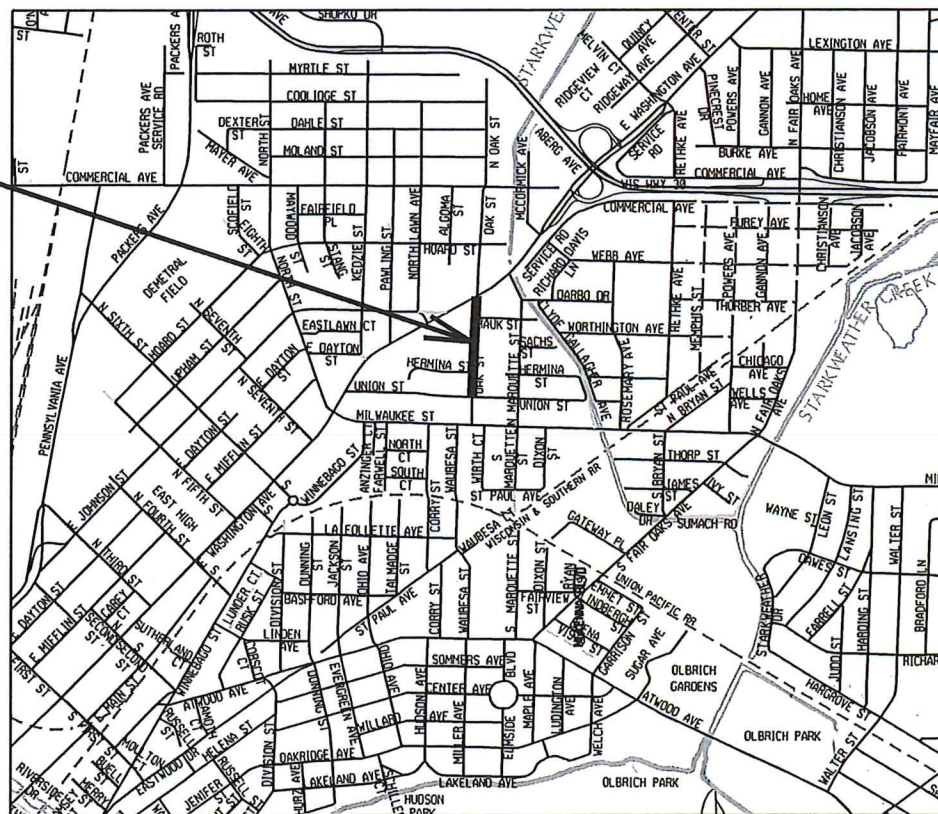
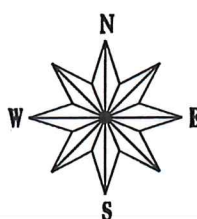
SHEET NO.	TITLE
1	TYPICAL SECTION
DI	EROSION CONTROL PLANS
EC1-EC2	STREET PLAN & PROFILES
PI-P2	SEWERS PLAN & PROFILES
U1-U2	SEWER SCHEDULES
U3-U4	WATER PLAN & PROFILES
W1-W2	WATER IMPACT PLAN
W3	WATER ESTIMATE OF MATERIALS
W4	OAK STREET CROSS SECTIONS

## OAK STREET ASSESSMENT DISTRICT - 2019

CITY PROJECT NO. 10900

CONTRACT NO. 8302

PROJECT  
LOCATION



CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

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

#### NOTES:

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

SIDEWALK RAMPS AND CURB THRU SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00%

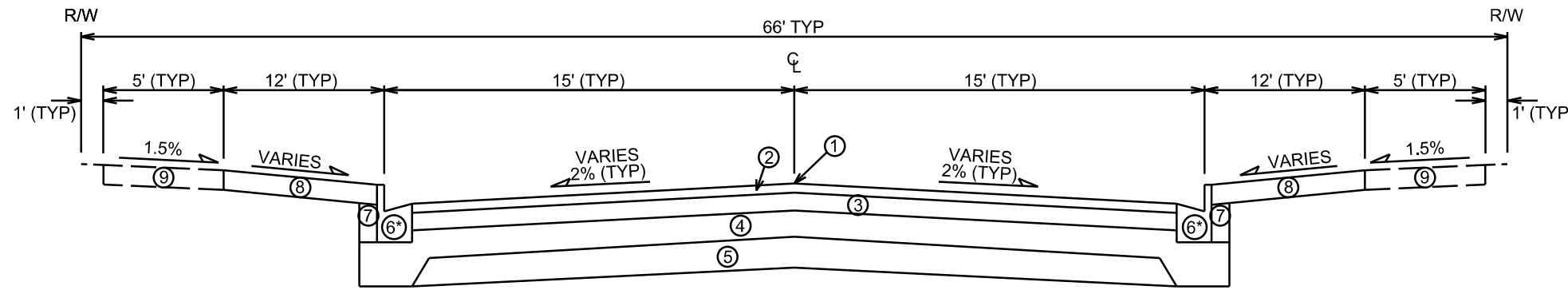
EARTH WORK SUMMARY:  
EXCAVATION CUT (MEASURED PLAN QUANTITY).....1,500 C.Y.  
ESTIMATED UNDISTRIBUTED UNDERCUT.....300 C.Y.  
TOTAL UNCLASSIFIED EXCAVATION CUT.....1,800 C.Y.

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**TYPICAL FINISHED SECTION**  
OAK STREET  
STA 101+11.00 TO STA 110+25.50

- ① POINT REFERRED TO ON PROFILE
- ② 1.3/4" BITUMINOUS UPPER LAYER, 4 LT 58-28 S
- ③ 1 3/4" BITUMINOUS LOWER LAYER, 4 LT 58-28 S
- ④ 6" GRADATION 2 CRUSHED STONE
- ⑤ 6" GRADATION 1 CRUSHED STONE
- ⑥ TYPE 'A' CONCRETE CURB & GUTTER
- ⑦ FILL, INCIDENTAL
- ⑧ 6" TOPSOIL, TERRACE SEED AND EROSION MAT
- ⑨ 5" CONCRETE SIDEWALK, REPLACE AS NOTED ON PLANS

**NOTE:**

- SEE PLAN/PROFILE SHEETS FOR TOP OF CURB ELEVATIONS.
- TYPICAL SECTION NOT TO SCALE.

\*BEGIN CURB REMOVAL & REPLACEMENT AT STA 101+53.23 LT & STA 101+35.30 RT  
END CURB REMOVAL & REPLACEMENT AT STA 109+81.67 LT & STA 109+56.45 RT

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



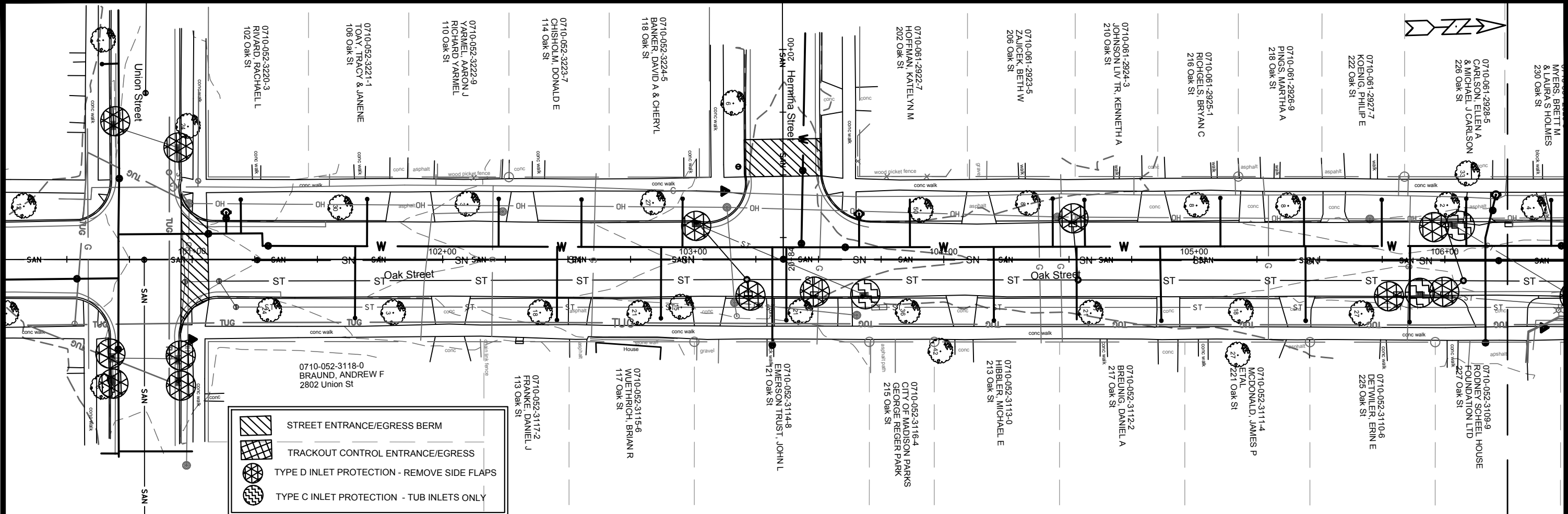
EC-1	Scale: 1"=40'-0" FT
DATE	REVISION
MARK	DESIGNED BY: DAO
10900	DATE

10900  
 MADISON, WI  
 CONTRACT NO: 8302

EROSION CONTROL PLAN  
 OAK STREET (UNION ST-EAST WASHINGTON AVE)  
 CITY OF MADISON



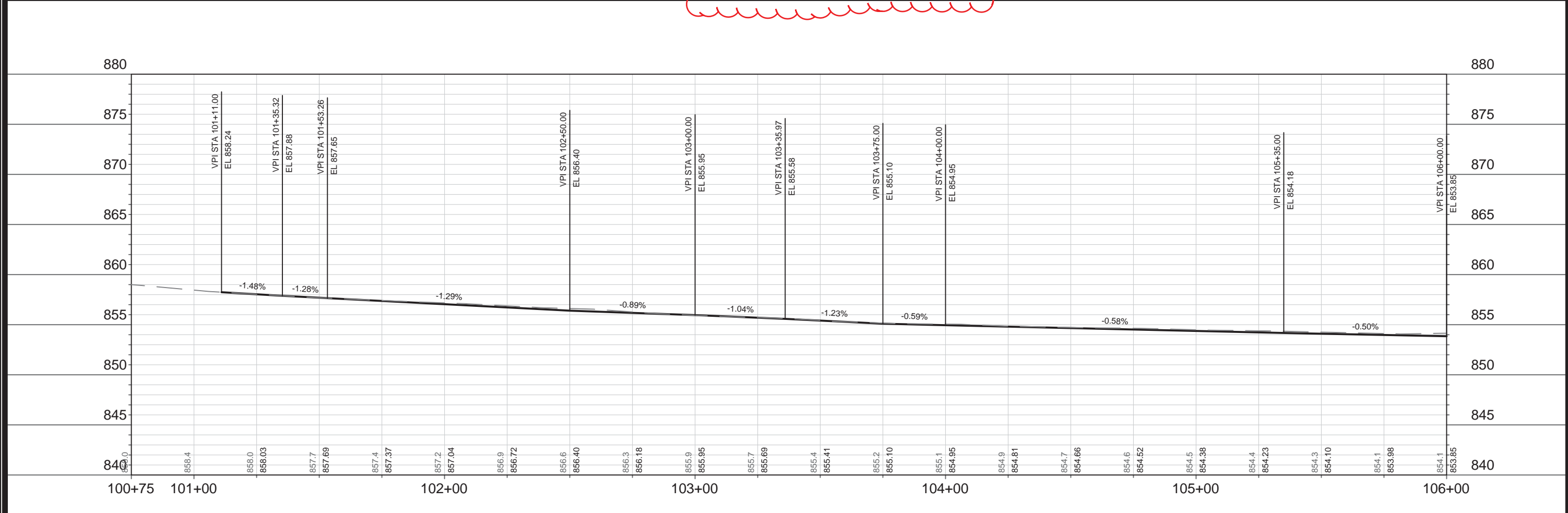
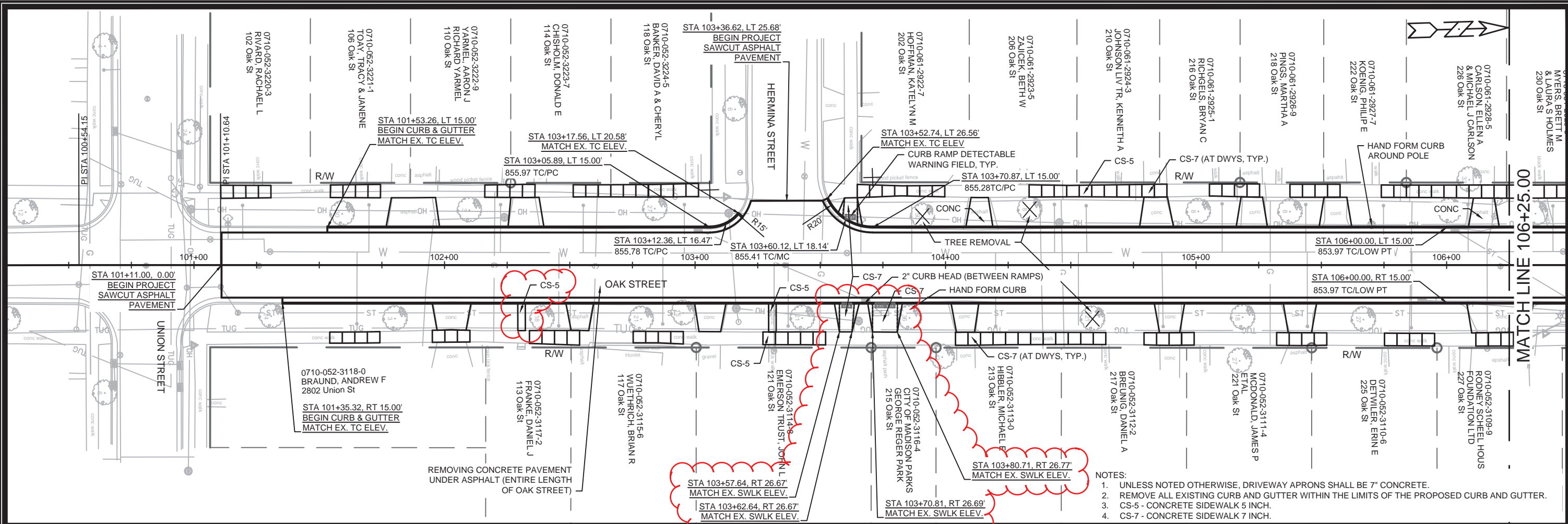
10900  
 EC-1



	STREET ENTRANCE/EGRESS BERM
	TRACKOUT CONTROL ENTRANCE/EGRESS
	TYPE D INLET PROTECTION - REMOVE SIDE FLAPS
	TYPE C INLET PROTECTION - TUB INLETS ONLY





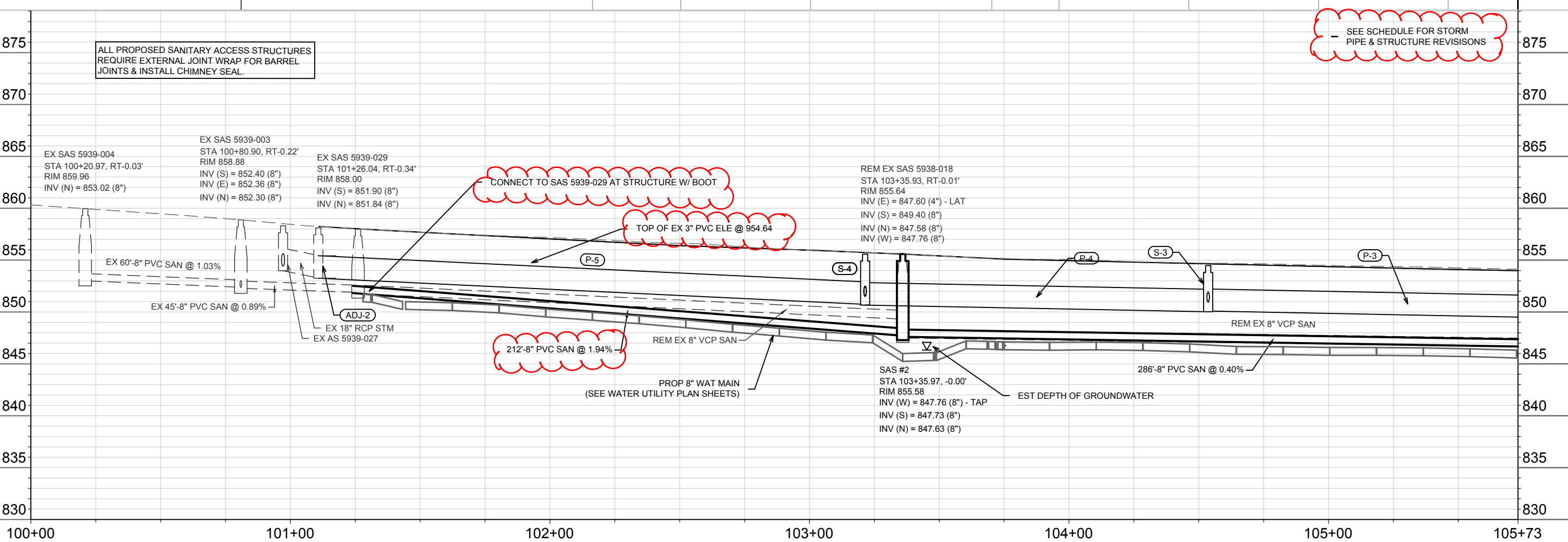
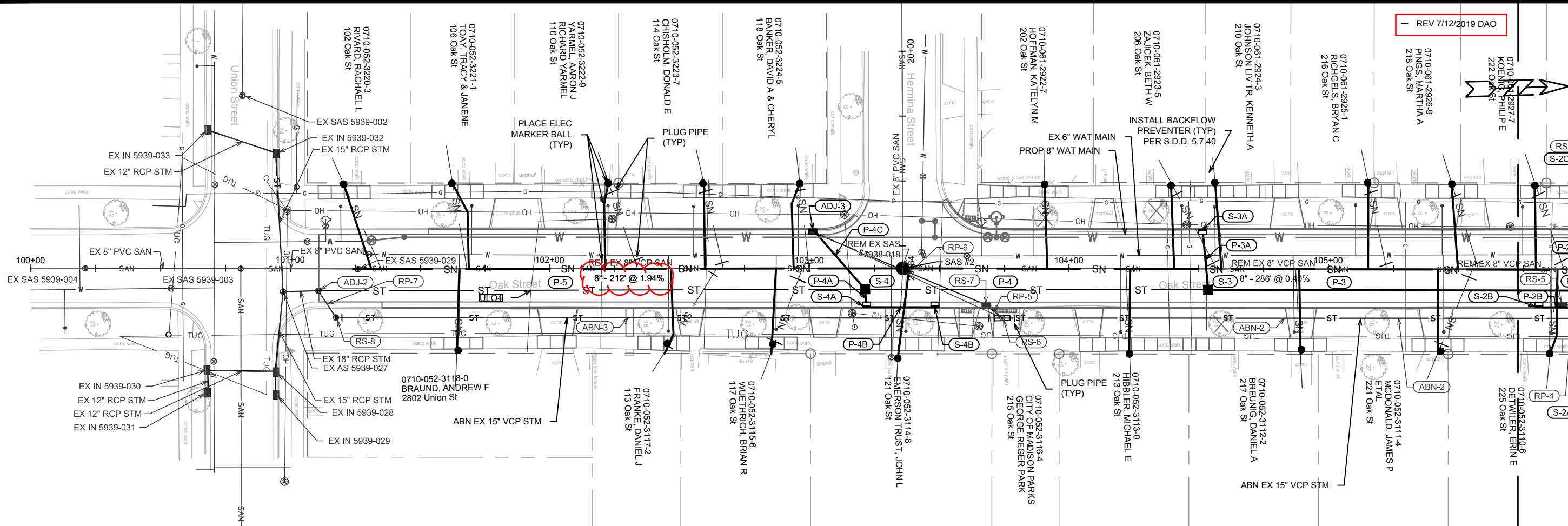


10900  
 P-1  
 ADD DESIGN INFORMATION  
 DATE 01-15-19  
 REVISION  
 MARK  
 DESIGNED BY: A.J.Z.  
 DATE: ---  
 SCALE: ---  
 CONTRACT NO.: 8302  
 10900  
 MADISON, WI  
 OAK STREET (UNION ST-EAST WASHINGTON AVE)  
 CITY OF MADISON  
 PLAN AND PROFILE  
 10900  
 P-1









U-1	Scale: 1"=40' FT
DATE	REVISION
MARK	Date
10900	10900
10900	8302
UTILITY PLAN AND PROFILE	CONTRACT NO:
OAK STREET (UNION ST-EAST WASHINGTON AVE)	
CITY OF MADISON	
10900	
U-1	





# SANITARY SEWER SCHEDULE

\* REV 7/12/2019 DAO

OAK STREET (UNION ST-EAST WASHINGTON AVE)	SHEET NO.
PROJECT NO. 10900	U-3
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

## PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>OAK ST</b>						
SAS #1	106+21.49	RT-0.54	853.95	846.45	7.50	(3)(4)
SAS #2	103+35.97	CL	855.58	847.63	7.95	(3)(4)

## SANITARY STRUCTURE REMOVALS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>OAK ST</b>						
EX SAS 5938-017	106+21.49	RT-0.54	854.32	846.50	7.82	
EX SAS 5938-018	103+35.93	RT-0.01	855.64	847.58	8.06	

## PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
<b>OAK ST</b>								
* EX SAS 5938-034	SAS #1	845.17	846.45	382	0.33%	8"	SDR-35	(1)(2)
SAS #1	SAS #2	846.50	847.63	286	0.40%	8"	SDR-35	
* SAS #2	EX SAS 5939-029	847.73	851.84	212	1.94%	8"	SDR-35	(2)

## SANITARY PIPE REMOVALS

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE TYPE	PIPE SIZE	PAID (Y/N)	NOTES
<b>OAK ST</b>						
EX SAS 5938-034	EX SAS 5938-017	382	VP	8"	N	
EX SAS 5938-017	EX SAS 5938-018	286	VP	8"	N	
EX SAS 5938-018	EX SAS 5939-029	210	VP	8"	N	

## SPECIFIC NOTES

- (1) PROVIDE 15" CASING THROUGH EX AS 5938-011 (SEE BID ITEM 90030 & SHEET U-2)
- (2) CONNECT TO EX SAS W/ BOOT OTHERWISE PROVIDE COMPRESSION COUPLING TO CONNECT TO EX PVC
- (3) INSTALL INTERNAL CHIMNEY SEAL
- (4) INSTALL EXTERNAL SAS JOINT WRAP

# STORM SEWER SCHEDULE

\* REV 7/12/2019 DAO

OAK STREET (UNION ST-EAST WASHINGTON AVE)	SHEET NO.
PROJECT NO. 10900	U-4
STORM SEWER SCHEDULE	
CITY OF MADISON	

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>OAK ST</b>							
* S-1	106+59.95	RT-9.33	6'x6' CATCHBASIN	853.96	849.30	4.66	FP; W/1550-0054; (1)
* S-1A	106+58.72	RT-14.50	H INLET	854.26	849.92	4.34	W/3067-7004-V
* S-2	106+07.40	RT-8.54	4'x4' SAS	853.71	849.61	4.10	W/1550-0054
* S-2A	105+99.86	RT-14.50	H INLET	853.97	850.25	3.72	LP; W/3067-7004-VB
* S-2B	105+81.03	RT-14.50	H INLET	854.06	850.45	3.61	W/3067-7004-V
* S-2C	105+99.75	LT-14.50	H INLET	853.97	850.15	3.82	LP; W/3067-7004-VB
* S-2D	106+25.52	LT-14.50	H INLET	854.02	850.45	3.57	W/3067-7004-V
* S-3	104+53.62	RT-8.24	3'x3' SAS	854.48	850.36	4.12	W/1550-0054
* S-3A	104+51.49	LT-14.50	H INLET	854.77	851.27	3.50	W/3067-7004-V
* S-4	103+21.44	RT-8.09	H INLET	855.57	851.00	4.57	W/3067-7004-V
* S-4A	103+21.99	RT-14.50	H INLET	855.77	851.70	4.07	W/3067-7004-V
* S-4B	103+48.32	RT-14.50	H INLET	855.54	851.95	3.59	W/3067-7004-V

## PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
<b>OAK ST</b>										
* P-1	EX AS 5938-095	S-1	848.65	849.30	355	352	0.18%	19"x30"	HERCP	TAP EX SAS
* P-1A	S-1	S-1A	849.88	849.92	6	1	4.00%	12"	RCP	
* P-2	S-1	S-2	849.40	849.61	53	48	0.44%	19"x30"	HERCP	
* P-2A	S-2	S-2A	850.19	850.25	10	6	1.02%	12"	RCP	
* P-2B	S-2A	S-2B	850.35	850.45	19	16	0.61%	12"	RCP	
* P-2C	S-2	S-2C	849.94	850.15	25	22	0.97%	15"	RCP	
* P-2D	S-2C	S-2D	850.25	850.45	26	24	0.84%	12"	RCP	
* P-3	S-2	S-3	849.61	850.36	154	151	0.50%	19"x30"	HERCP	
* P-3A	S-3	S-3A	850.94	851.27	23	20	1.62%	12"	RCP	
* P-4	S-3	S-4	850.36	851.00	132	129	0.50%	18"	RCP	
* P-4A	S-4	S-4A	851.50	851.70	7	4	5.09%	12"	RCP	
* P-4B	S-4A	S-4B	851.80	851.95	26	23	0.64%	12"	RCP	
* P-4C	S-4	ADJ-3	851.50	852.98	31	29	5.17%	12"	RCP	TAP EX INLET
* P-5	S-4	EX AS 5939-026	851.07	853.59	211	209	1.20%	18"	RCP	TAP EX SAS

## REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
<b>OAK ST</b>					
RS-1	AS 5938-096	110+10.92	RT-19.60	4'x4' SAS	
RS-2	AS 5938-044	106+58.34	RT-19.19	5'x7' SAS	
RS-3	IN 5938-057	106+58.78	RT-14.25	TUB INLET	
RS-4	IN 5938-046	106+03.33	LT-13.97	TUB INLET	
RS-5	IN 5938-047	105+90.17	RT-14.01	TUB INLET	
RS-6	AS 5938-058	103+74.28	RT-19.16	5'x7' SAS	
RS-7	IN 5938-059	103+68.20	RT-14.47	TUB INLET	
RS-8	AS 5939-025	101+17.53	RT-19.06	3'x3' SAS	

## REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
<b>OAK ST</b>							
RP-1	ADJ-1	RS-1	11	24"	RCP	Y	
RP-2	RS-2	RS-3	5	12"	VP	N	
RP-3	RS-2	RS-4	64	12"	VP	Y	
RP-4	RS-2	RS-5	68	12"	VP	Y	
RP-5	RS-6	RS-7	8	12"	VP	N	
RP-6	RS-6	ADJ-3	80	12"	VP	N	
RP-7	RS-8	ADJ-2	12	18"	RCP	Y	

## STORM STRUCTURE ADJUSTMENTS

ADJUST NO.	STATION	LOCATION (OFFSET)	EX. TOC ELEV.	ADJUST ELEV.	ADJUST DIFF. (FT)	NOTES
ADJ-1	110+14.72	RT-9.09	854.24	854.89	0.65	
ADJ-2	101+10.76	RT-8.72	858.11	858.02	-0.09	
ADJ-3	103+01.26	LT-15.00	855.78	856.00	0.22	
ADJ-4	109+24.00	RT-2.92	855.66	855.70	0.04	

## STORM SEWER ABANDONMENTS

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	PIPE SIZE	TYPE	PAID (Y/N)	NOTES
ABN-1	RS-1	RS-2	353	18"	VP		(1); ABANDON W/ PLUGS (PAID)
ABN-2	RS-2	RS-6	284	15"	VP		ABANDON W/ PLUGS (PAID)
ABN-3	RS-6	RS-8	257	15"	VP		ABANDON W/ PLUGS (PAID)

**NOTE:** PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

## STORM SEWER ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ULO1	106+64.58	RT-8.86	TEL	
* ULO2	106+67.40	RT-8.86	6" ELE PVC	TOP = 851.73
* ULO3A	106+94.60	RT-9.20	6" PVC FIBER	TOP = 851.48
* ULO3B	106+95.20	RT-9.30	6" PVC FIBER	TOP = 851.54
* ULO3C	106+95.15	RT-8.46	6" PVC FIBER	TOP = 851.74
* ULO4	101+92.68	RT-8.48	3" PVC ELE	TOP = 854.64
* ULO5A	109+19.10	RT-25.60	2" PVC FIBER	TOP = 852.65
* ULO5B	109+19.20	RT-25.70	2" PVC FIBER	TOP = 852.63
* ULO6	109+88.00	RT-8.40	6" PVC GAS	TOP = 853.20

## SPECIFIC NOTES

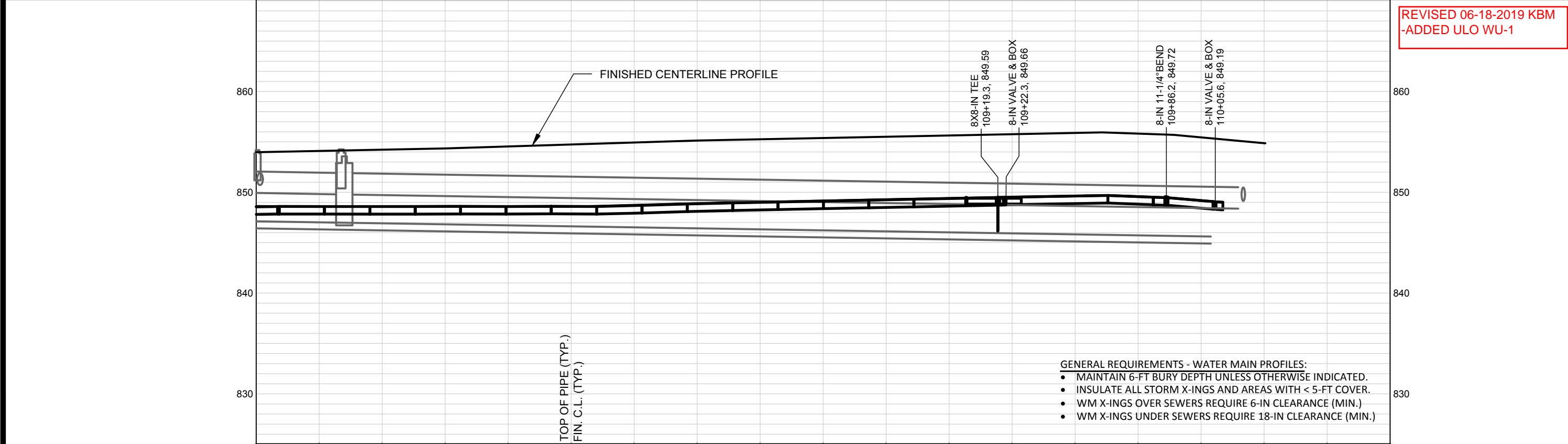
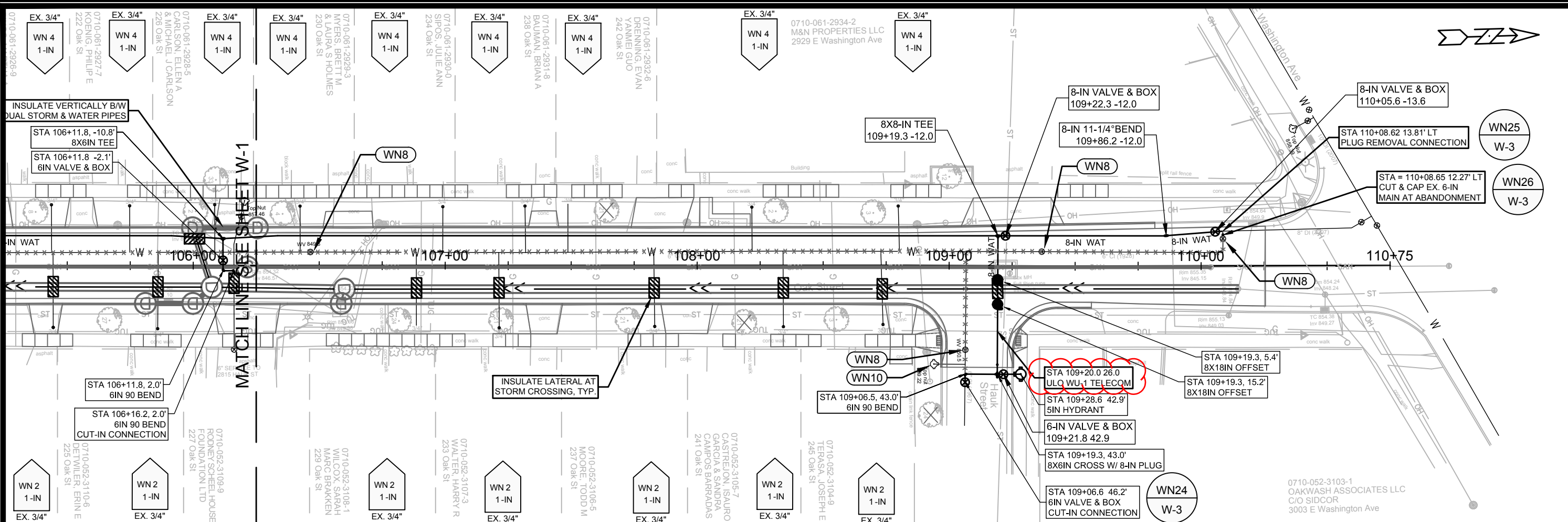
(1) INVERT GIVEN IS FOR OUTGOING PIPE; ADD 3' SUMP; CONSTRUCT PER S.D.D. 5.7.4

## 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; UD = UNDERDRAIN
- 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 DANIEL OLIVARES OF CITY ENGINEERING AT (608) 261-9285 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.







REVISED 06-18-2019 KBM  
-ADDED ULO WU-1

- GENERAL REQUIREMENTS - WATER MAIN PROFILES:
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
  - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
  - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
  - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

0710-061-2926-9 EX. 3/4" WN 4 1-IN  
 0710-061-2927-7 EX. 3/4" WN 4 1-IN  
 0710-061-2928-5 EX. 3/4" WN 4 1-IN  
 0710-061-2929-3 EX. 3/4" WN 4 1-IN  
 0710-061-2930-0 EX. 3/4" WN 4 1-IN  
 0710-061-2931-8 EX. 3/4" WN 4 1-IN  
 0710-061-2932-6 EX. 3/4" WN 4 1-IN  
 0710-061-2933-4 EX. 3/4" WN 4 1-IN  
 0710-052-3109-9 EX. 3/4" WN 2 1-IN  
 0710-052-3108-1 EX. 3/4" WN 2 1-IN  
 0710-052-3107-3 EX. 3/4" WN 2 1-IN  
 0710-052-3106-5 EX. 3/4" WN 2 1-IN  
 0710-052-3104-9 EX. 3/4" WN 2 1-IN  
 0710-052-3103-7 EX. 3/4" WN 2 1-IN

INSULATE VERTICALLY B/W DUAL STORM & WATER PIPES  
 STA 106+11.8, -10.8' 8X6IN TEE  
 STA 106+11.8, -2.1' 6IN VALVE & BOX  
 STA 106+11.8, 2.0' 6IN 90 BEND  
 STA 106+16.2, 2.0' 6IN 90 BEND CUT-IN CONNECTION  
 INSULATE LATERAL AT STORM CROSSING, TYP.  
 STA 109+06.5, 43.0' 6IN 90 BEND  
 STA 109+19.3, 5.4' 8X18IN OFFSET  
 STA 109+19.3, 15.2' 8X18IN OFFSET  
 STA 109+20.0 26.0 ULO WU-1 TELECOM  
 STA 109+28.6 42.9' 5IN HYDRANT  
 6-IN VALVE & BOX 109+21.8 42.9  
 STA 109+19.3, 43.0' 8X6IN CROSS W/ 8-IN PLUG  
 STA 109+06.6 46.2' 6IN VALVE & BOX CUT-IN CONNECTION  
 8-IN VALVE & BOX 109+22.3 -12.0  
 8-IN 11-1/4" BEND 109+86.2 -12.0  
 8-IN VALVE & BOX 110+05.6 -13.6  
 STA = 110+08.65 12.27' LT CUT & CAP EX. 6-IN MAIN AT ABANDONMENT  
 STA 109+19.3, 5.4' 8X18IN OFFSET  
 STA 109+19.3, 15.2' 8X18IN OFFSET  
 STA 109+20.0 26.0 ULO WU-1 TELECOM  
 STA 109+28.6 42.9' 5IN HYDRANT  
 6-IN VALVE & BOX 109+21.8 42.9  
 STA 109+19.3, 43.0' 8X6IN CROSS W/ 8-IN PLUG  
 STA 109+06.6 46.2' 6IN VALVE & BOX CUT-IN CONNECTION  
 8-IN VALVE & BOX 109+22.3, 849.66  
 8-IN 11-1/4" BEND 109+86.2, 849.72  
 8-IN VALVE & BOX 110+05.6, 849.19

848.6	853.98	848.6	854.10	848.6	854.23	107+00	848.6	854.55	848.6	854.74	848.7	854.94	848.9	855.14	849.0	855.26	849.1	855.38	849.3	855.51	849.4	855.64	849.5	855.76	849.6	855.89	849.6	855.82	849.2	855.45	854.87	110+75
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10900  
 MADISON, WI  
 OAK STREET (UNION ST-EAST WASHINGTON AVE)  
 CITY OF MADISON

CONTRACT NO.: 8302

10900  
 W-2

Scale: 1"=40' FT

MARK: 10900  
 REVISION: 10900  
 DATE: 10900

DESIGNED BY: ALJ  
 DATE: 10900

10900  
 W-2

DISCLAIMER NOTE:  
 THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES  
 TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING  
 NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY  
 ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

CUT & CAP EX. MAIN  
 OAK ST AT E. WASHINGTON

ISOLATION VALVES:  
 - V-52 (8" OAK AT E. WASH)  
 - V-54 (6" OAK AT E. WASH)  
 - V-15 (6" OAK AT HAUK ST)  
 - NEW 8" VALVE

WN26  
 W-2

PLUG REMOVAL CONNECTION  
 OAK ST AT E. WASHINGTON

ISOLATION VALVES:  
 - V-52 (8" OAK AT E. WASH)  
 - V-54 (6" OAK AT E. WASH)  
 - V-15 (6" OAK AT HAUK ST)

WN25  
 W-2

CUT IN CONNECTION  
 HAUK ST AT OAK ST

ISOLATION VALVES:  
 - SV-21 (6" SVC TO 227 OAK)  
 - V-16 (6" HAUK AT OAK)  
 - V-65 (6" HAUK AT MARQUETTE)

WN24  
 W-2

CUT IN CONNECTION  
 227 OAK ST  
 RODNEY SCHEEL HOUSE

ISOLATION VALVES:  
 - SV-19 (6" SVC TO 227 OAK)  
 - V-6417 (6" HERMINA AT OAK)  
 - V-6416 (6" NEAR 230 OAK)  
 - NEW 6" SERVICE VALVE

WN23  
 W-1

CUT IN CONNECTION  
 HERMINA ST AT OAK ST

ISOLATION VALVES:  
 - V-47 (8" HERMINA AT OAK)  
 - V-48 (6" HERMINA AT OAK)

WN22  
 W-1

CUT & CAP EX. MAIN  
 OAK ST AT UNION ST

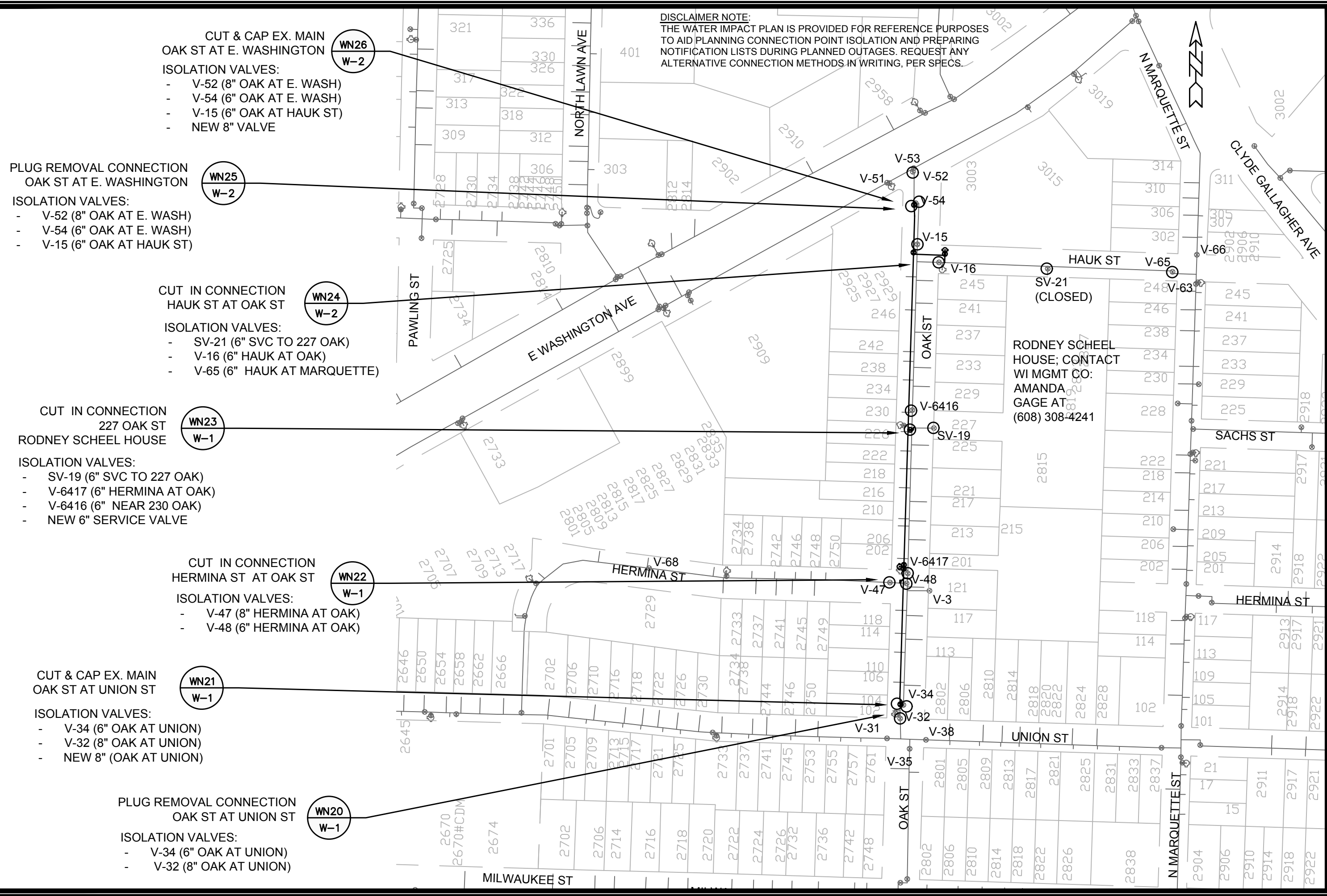
ISOLATION VALVES:  
 - V-34 (6" OAK AT UNION)  
 - V-32 (8" OAK AT UNION)  
 - NEW 8" (OAK AT UNION)

WN21  
 W-1

PLUG REMOVAL CONNECTION  
 OAK ST AT UNION ST

ISOLATION VALVES:  
 - V-34 (6" OAK AT UNION)  
 - V-32 (8" OAK AT UNION)

WN20  
 W-1



RODNEY SCHEEL  
 HOUSE; CONTACT  
 WI MGMT CO:  
 AMANDA  
 GAGE AT  
 (608) 308-4241

MARK	REVISION	DATE	BY

10900  
 MADISON, WI  
 CONTRACT NO: 8302

WATER IMPACT PLAN  
 OAK STREET (UNION ST-EAST WASHINGTON AVE)  
 CITY OF MADISON

10900  
 W-3

CONSTRUCTION NOTES:

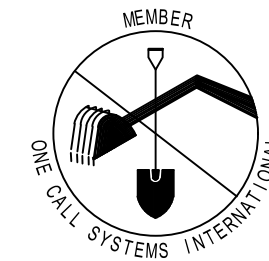
- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT STORM SEWER CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.</li> <li>2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.</li> <li>3. MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.</li> <li>4. THE EXISTING UTILITIES SHOWN ON THIS PLAN REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE OR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.</li> </ol> | <p>WN-1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.</p> <p>WN-2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.</p> <p>WN-3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.</p> <p>WN-4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.</p> <p>WN-5 RELOCATE THE EXISTING FIRE HYDRANT.</p> <p>WN-6 ABANDON WATER VALVE ACCESS STRUCTURE.</p> <p>WN-7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.</p> <p>WN-8 ABANDON THE VALVE BOX.</p> <p>WN-9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.</p> <p>WN-10 REMOVE AND SALVAGE EXISTING HYDRANT</p> <p>WN-11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE</p> <p>WN-20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.</p> |
|---|--|

DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE  
TOLL FREE  
811 OR 1-800-242-8511  
FAX-A-LOCATE 1-800-338-3860  
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WIS. STATUTE 182.0175 (1974)  
REQUIRES MIN. OF 3 WORK DAYS  
NOTICE BEFORE YOU EXCAVATE.



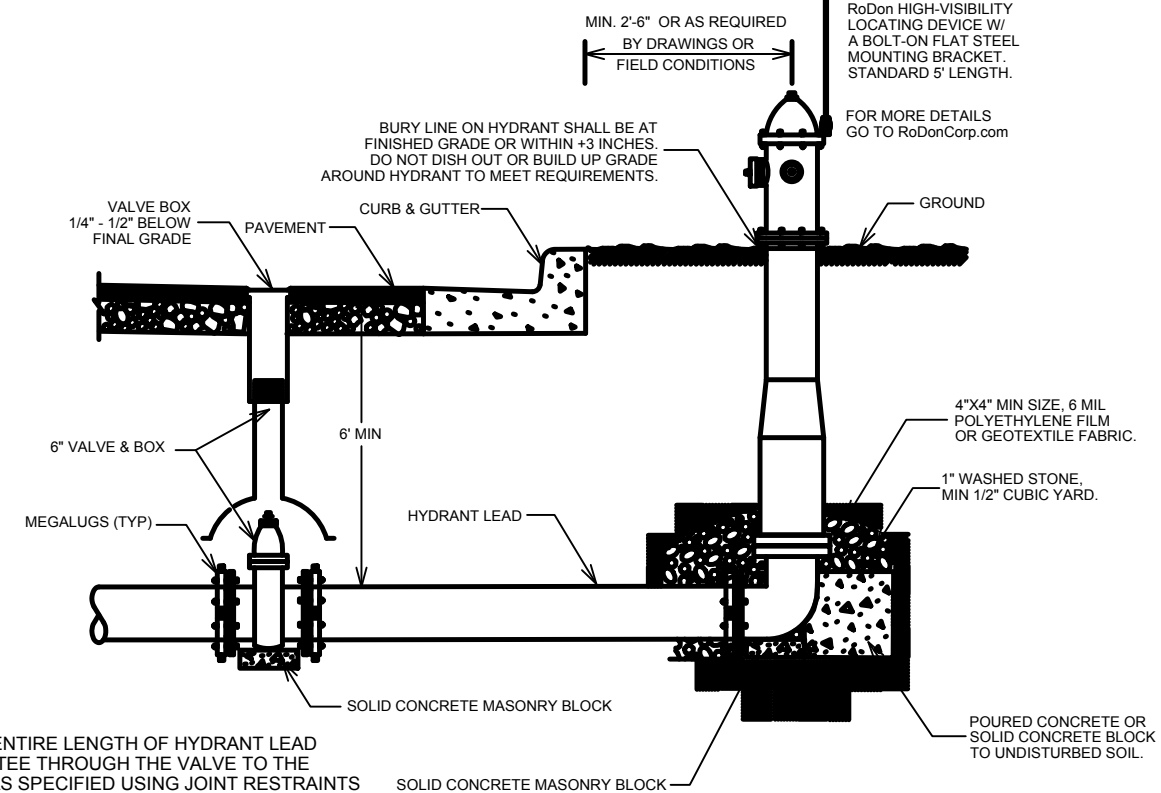
\*ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

PAY ITEM ID	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6 INCH PIPE & FITTINGS	50	LNFT
70003	FURNISH AND INSTALL 8 INCH PIPE & FITTINGS	945	LNFT
70031	FURNISH AND INSTALL 6-INCH WATER VALVE	3	EACH
70032	FURNISH AND INSTALL 8-INCH WATER VALVE	5	EACH
70040	FURNISH, INSTALL AND SALVAGE HYDRANT	2	EACH
70053	REPLACE 1-INCH SERVICE LATERAL	5	EACH
70056	RECONNECT 1-INCH SERVICE LATERAL	30	EACH
	6-IN PLUG/CAP	2	EACH
	8-IN PLUG/CAP	1	EACH
	8-IN X 6-IN CROSS	1	EACH
	6-IN 90° BEND	3	EACH
	8-IN 11.25° BEND	2	EACH
	8-IN 90° BEND	2	EACH
	8-IN X 8-IN TEE	2	EACH
	8-IN X 6-IN TEE	2	EACH
	8-IN X 18-IN OFFSET	2	EACH

\* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04  
REVISED: 12/2015



NOTE:

1. RESTRAIN ENTIRE LENGTH OF HYDRANT LEAD FROM THE TEE THROUGH THE VALVE TO THE HYDRANT AS SPECIFIED USING JOINT RESTRAINTS PER SECTION 703.10

CITY OF MADISON  
WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

WATER ESTIMATE OF MATERIALS  
 OAK STREET (UNION ST-EAST WASHINGTON AVE)  
 CITY OF MADISON

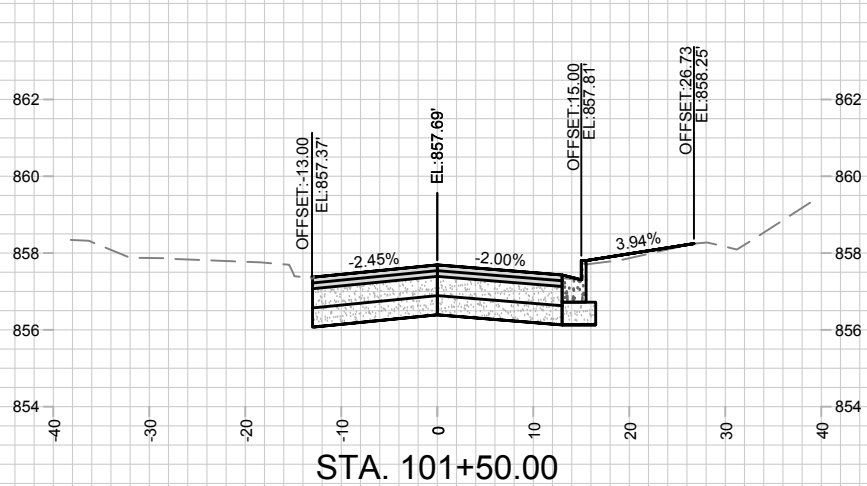
10900  
 MADISON, WI  
 CONTRACT NO.: 8302

BY	DATE	REVISION	MARK	DATE	REVISION	MARK	DATE	REVISION	MARK	DATE	REVISION
Designed By: KBM Date: ---											
Scale: ##### W-4											
10900											

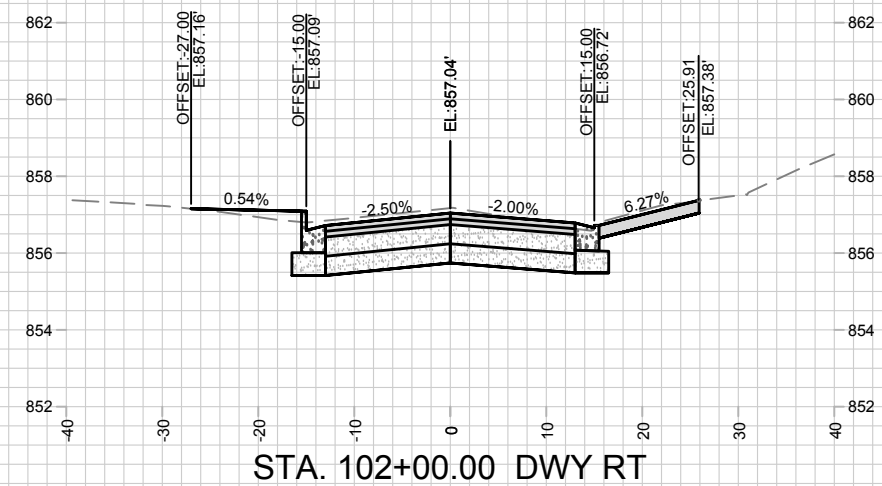


10900  
W-4

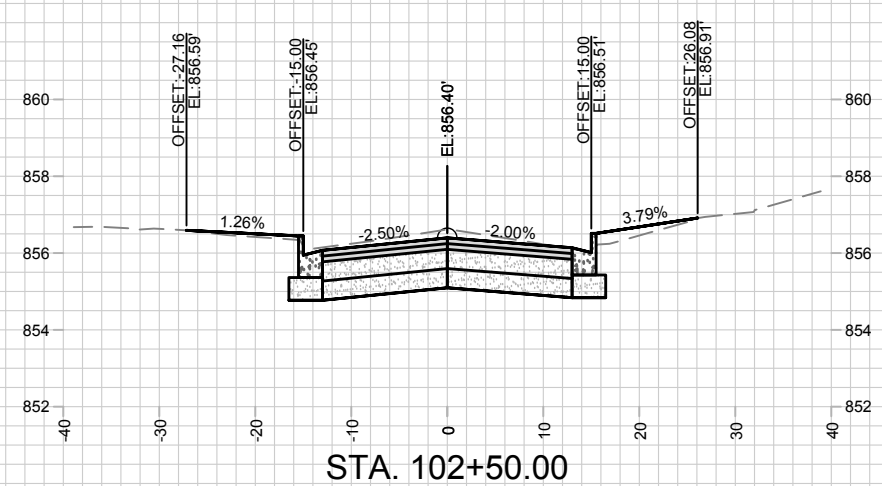




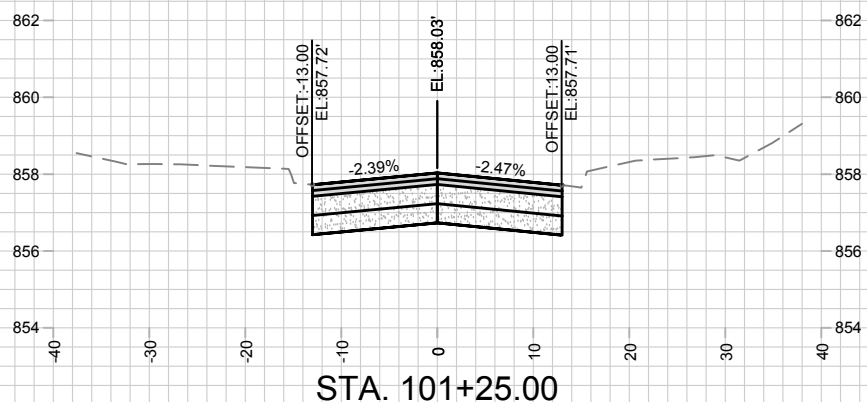
STA. 101+50.00



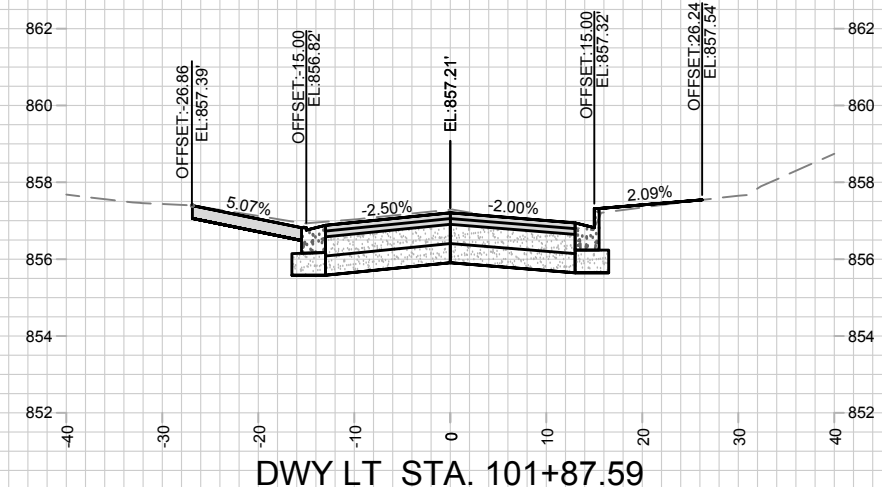
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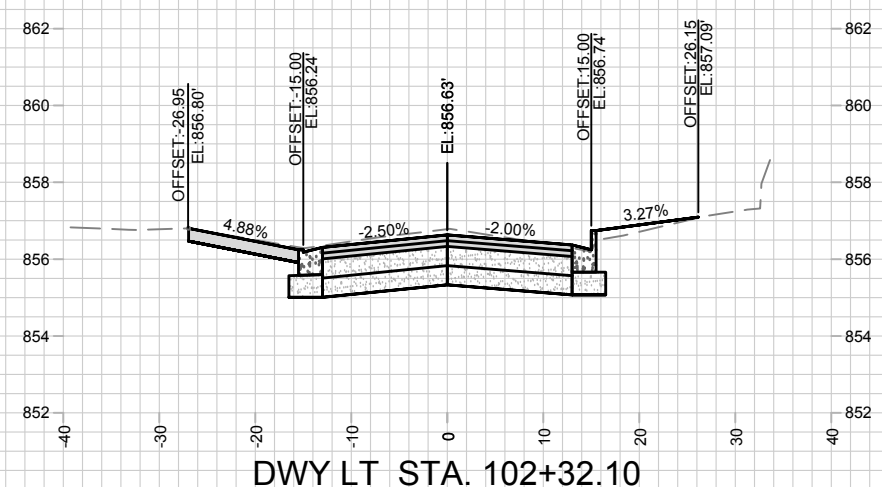
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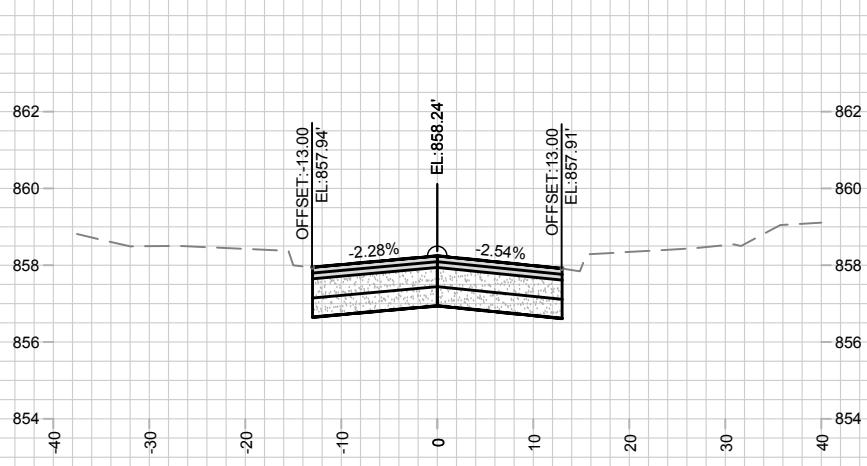
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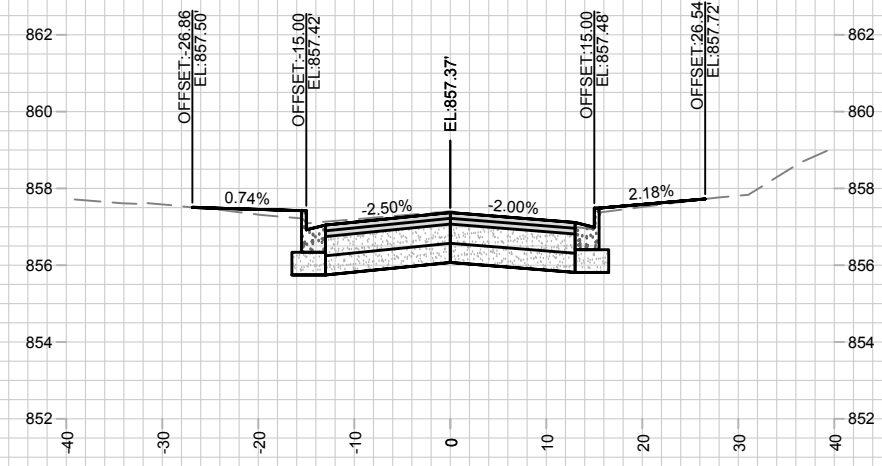
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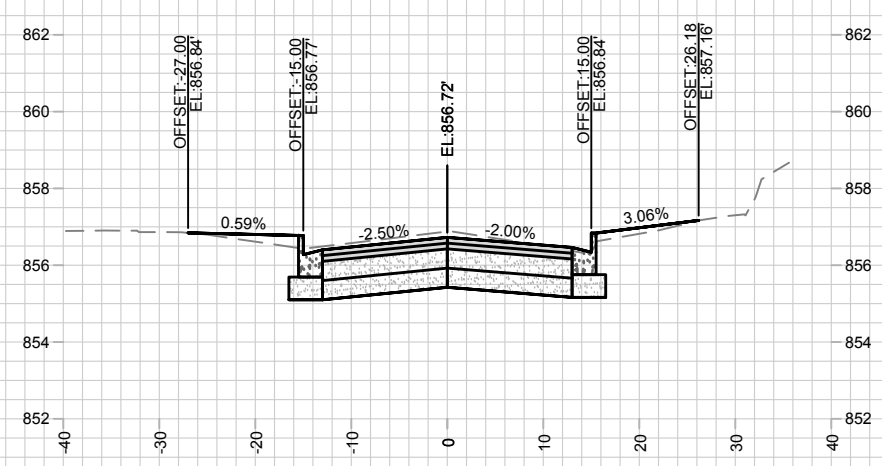
DWY LT STA. 102+32.10




STA. 101+11.00 BEGIN PROJECT



STA. 101+75.00



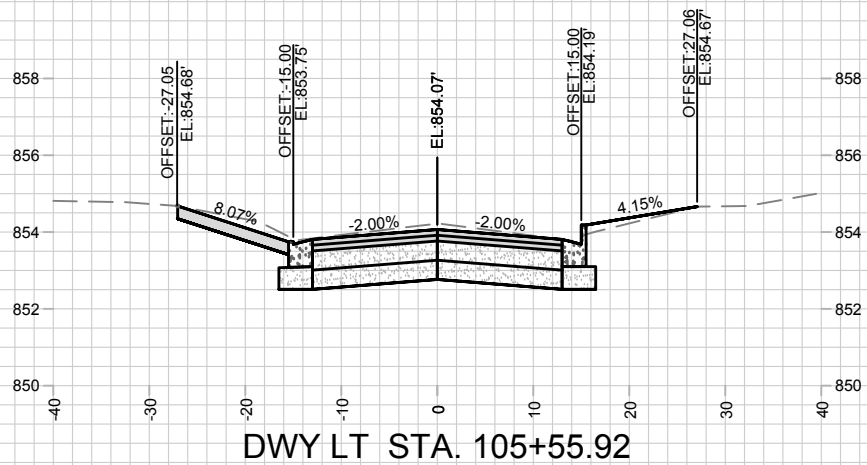
102+25.00

	<b>CITY OF MADISON</b> OAK STREET (UNION ST-EAST WASHINGTON AVE)		10900 X-1
	CROSS SECTIONS		10900 MADISON, WI CONTRACT NO: 8302
MARK:	REVISION:	DATE:	SCALE: 1" = 20'
DESIGNED BY: ALJ	DATE:	10900	X-1

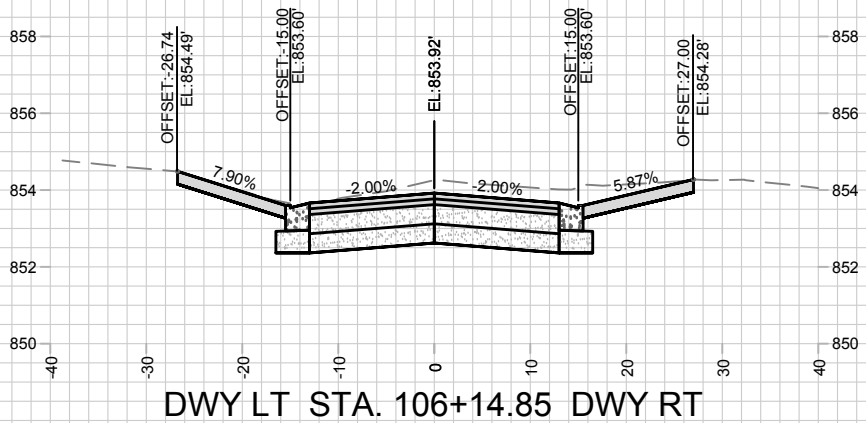




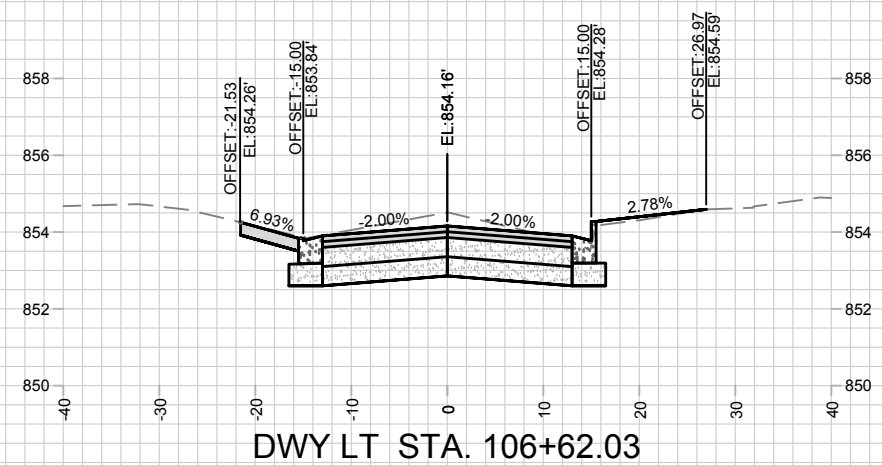




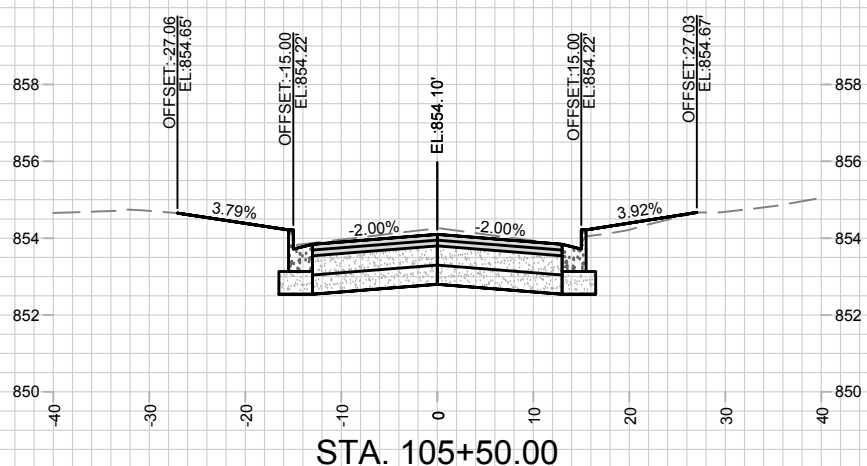
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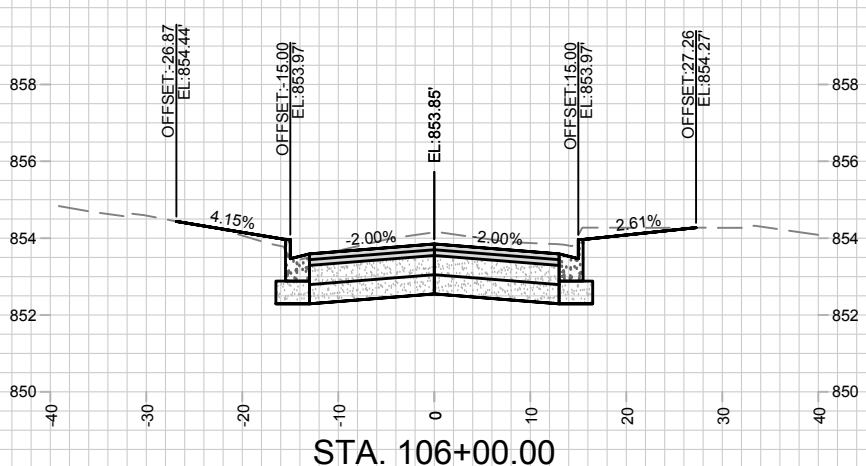
DWY LT STA. 106+14.85 DWY RT



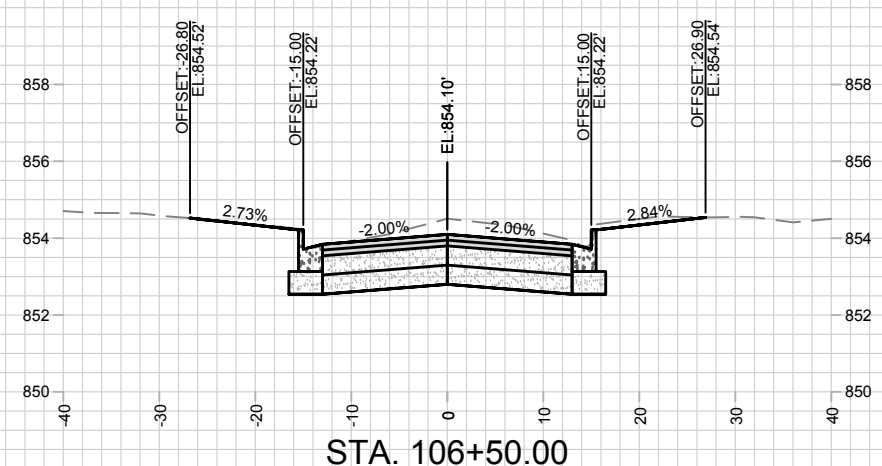
DWY LT STA. 106+62.03



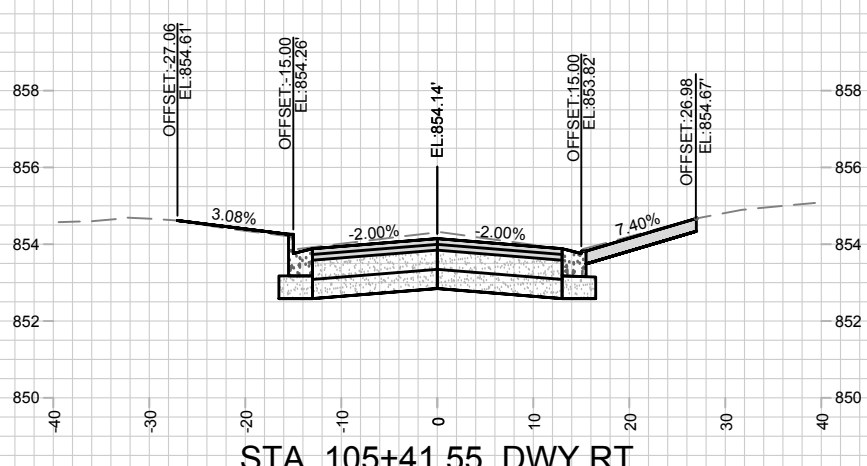
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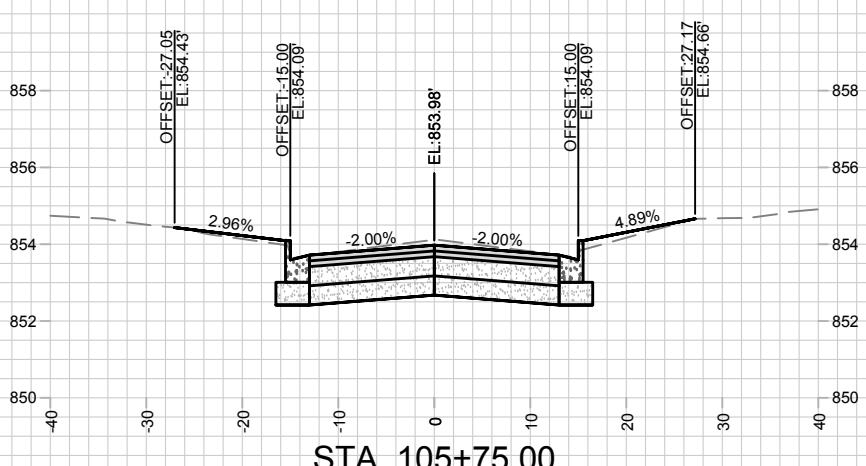
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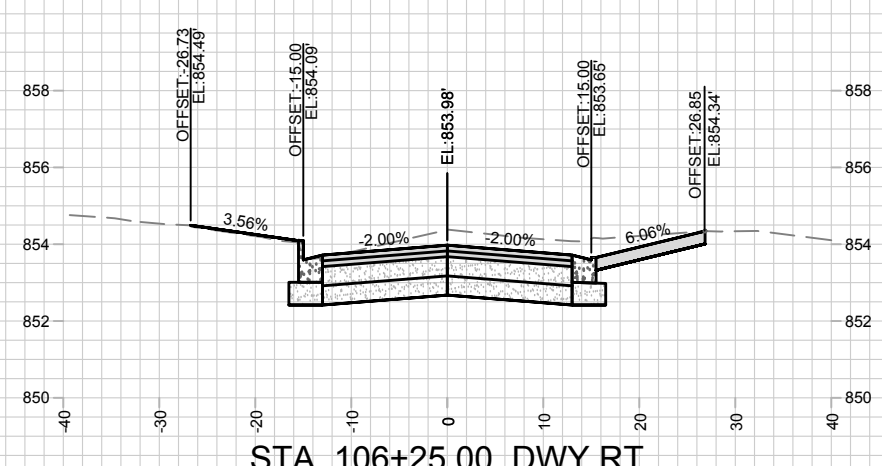
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STA. 105+41.55 DWY RT



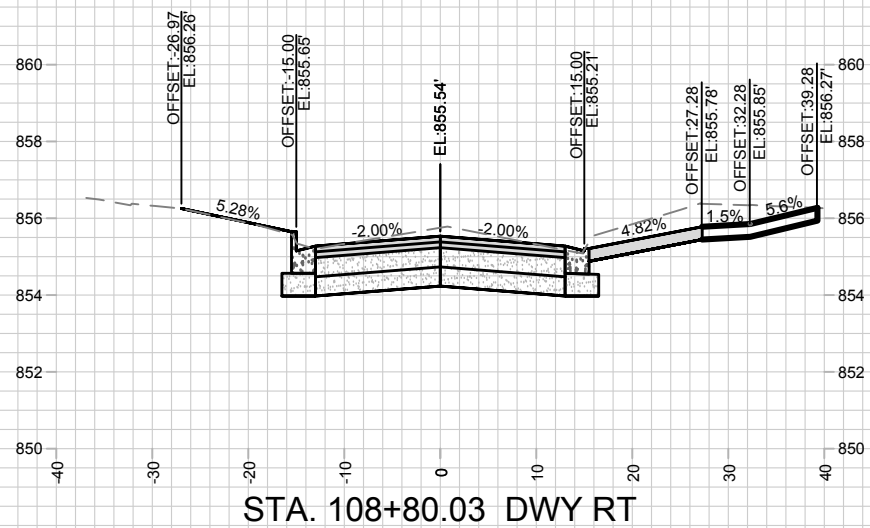
STA. 105+75.00



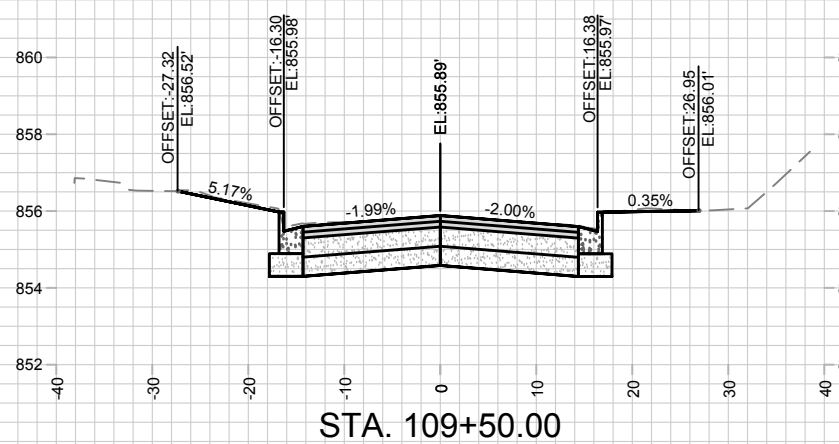
STA. 106+25.00 DWY RT

	CROSS SECTIONS		10900
	OAK STREET (UNION ST-EAST WASHINGTON AVE)		MADISON, WI
CITY OF MADISON		CONTRACT NO.:	8302
		MARK	DESIGNED BY: AJZ
		REVISION	DATE
		SCALE: 1" = 20'	X-4

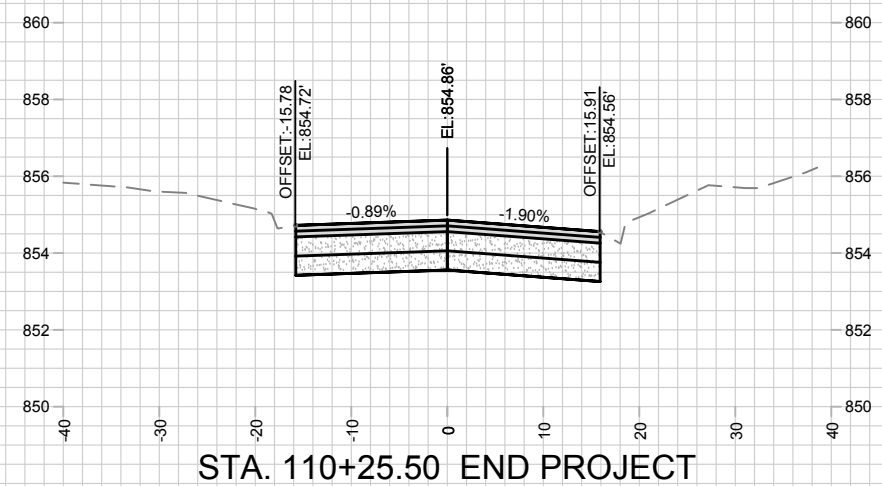




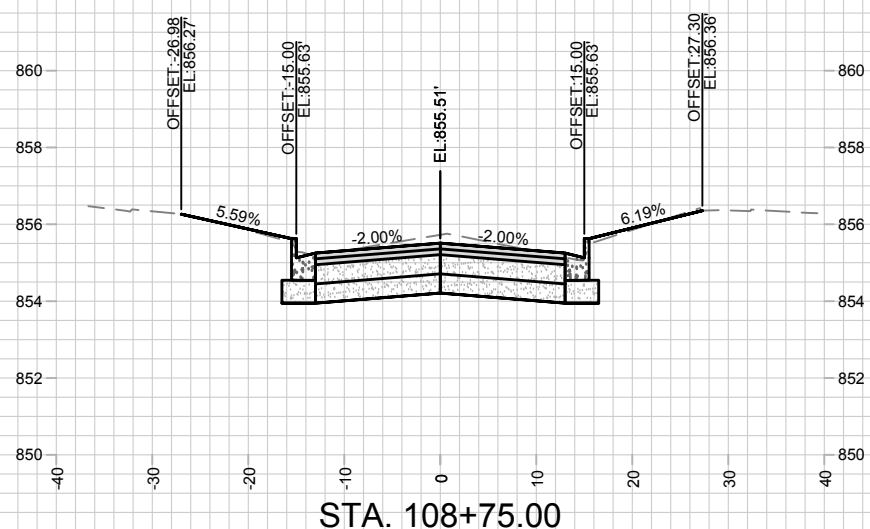
STA. 108+80.03 DWY RT



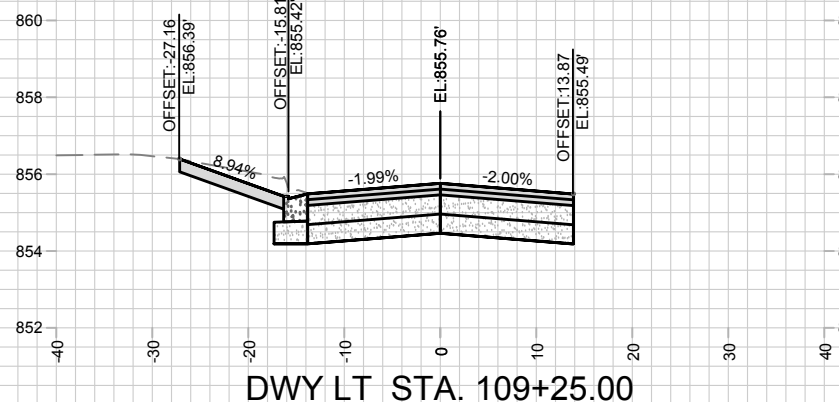
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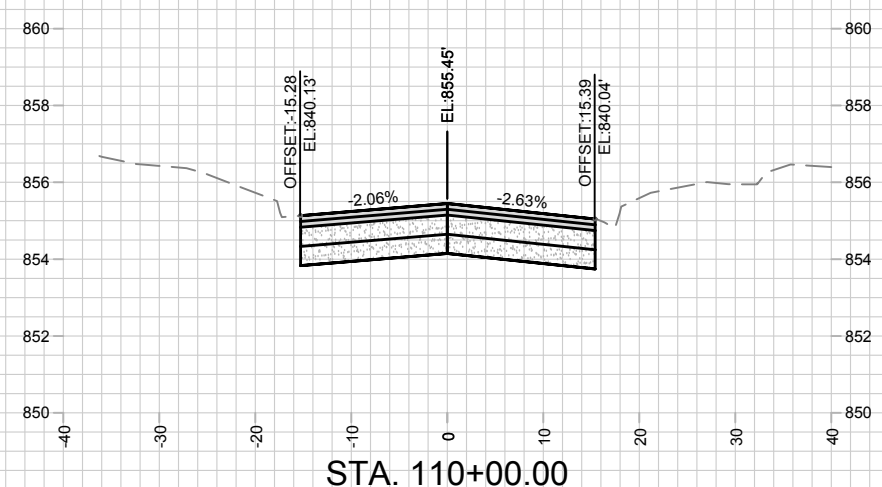
STA. 110+25.50 END PROJECT



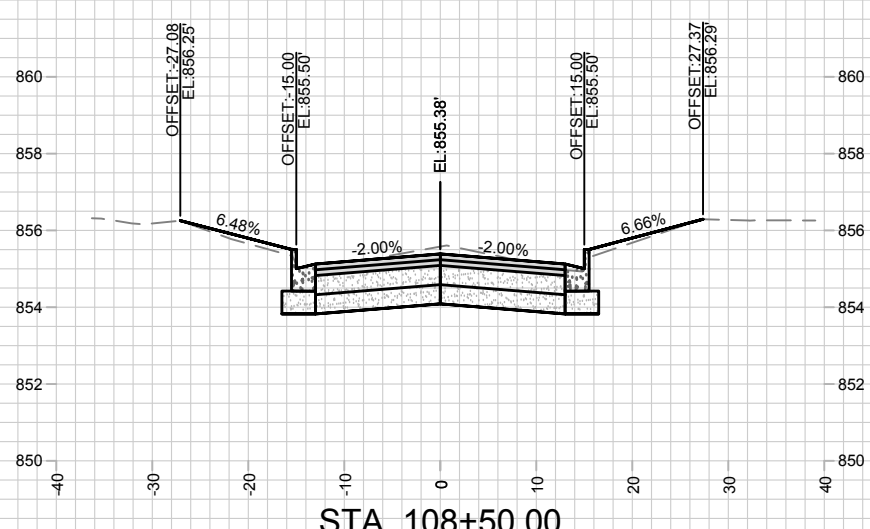
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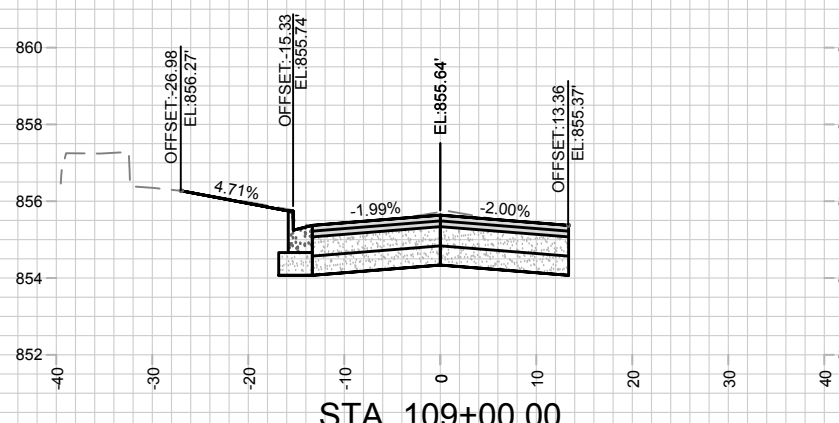
DWY LT STA. 109+25.00



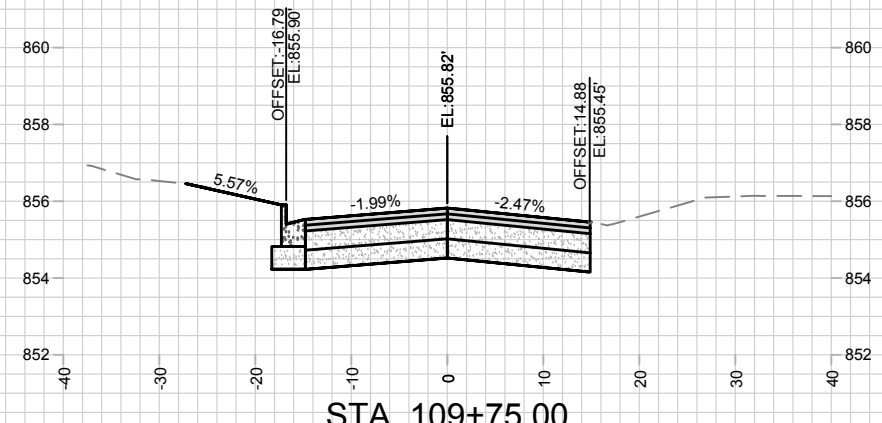
STA. 110+00.00




STA. 108+50.00



STA. 109+00.00



STA. 109+75.00

	CROSS SECTIONS		10900	MADISON, WI OAK STREET (UNION ST-EAST WASHINGTON AVE) <b>CITY OF MADISON</b>	CONTRACT NO: <b>8302</b>	Scale: 1" = 20' X-6
	10900 MADISON, WI OAK STREET (UNION ST-EAST WASHINGTON AVE) <b>CITY OF MADISON</b>		10900 8302			