

Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

## PLAN OF PROPOSED IMPROVEMENT

# 601 WEST DAYTON STREET - UW HOCKEY/SWIM

CITY PROJECT NO. 53B2269  
CONTRACT NO. 2269

**INDEX OF SHEETS**

SHEET NO.	TITLE
1	TITLE
U1-U2	UTILITY PLAN & PROFILES
U3	SEWER SCHEDULE

PUBLIC IMPROVEMENT PROJECT APPROVED

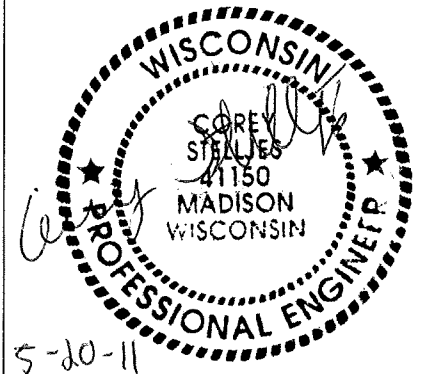
FEBRUARY 22, 2011

BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

*[Signature]* 5/22/11  
City Engineer Date

UTILITIES  
DESIGNED BY:



**UTILITIES ONLY**

**PROJECT LOCATION**

**CONVENTIONAL SIGNS**

FIELD VERIFY ALL UTILITY LOCATIONS

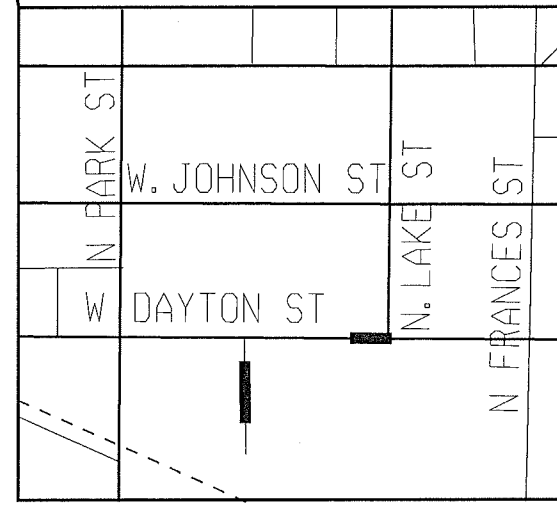
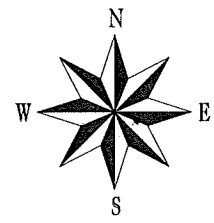
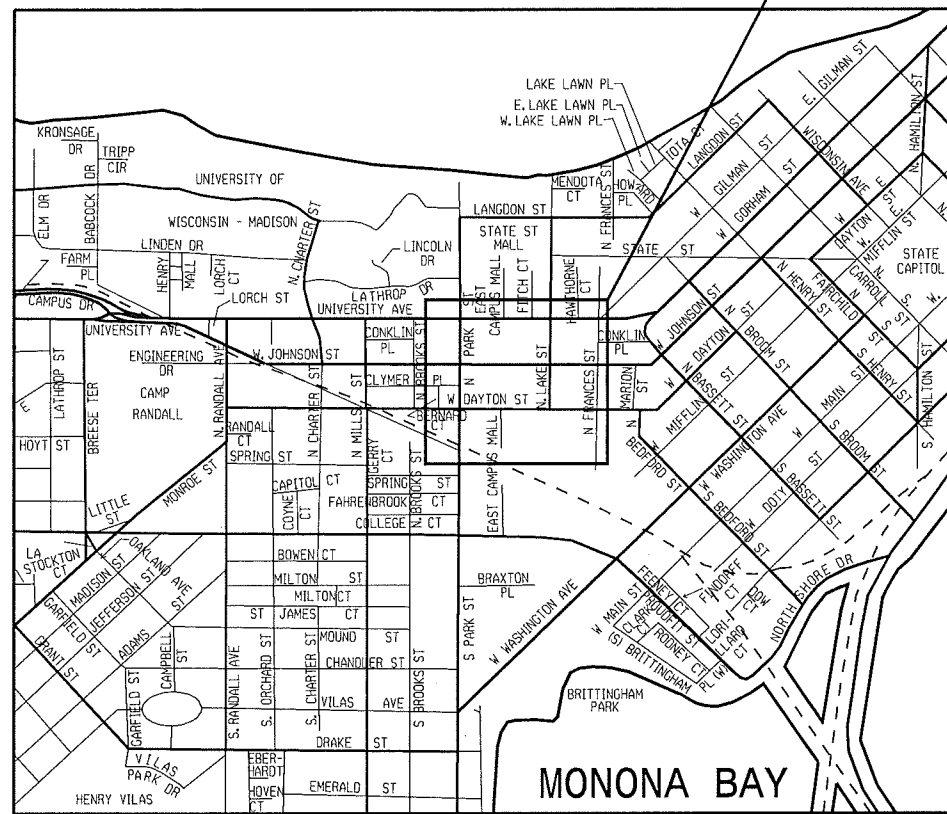
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
OVERHEAD ELECTRIC	— OH —
POWER POLE	□
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	□
COMBUSTIBLE FLUIDS	<i>[Explosion symbol]</i>

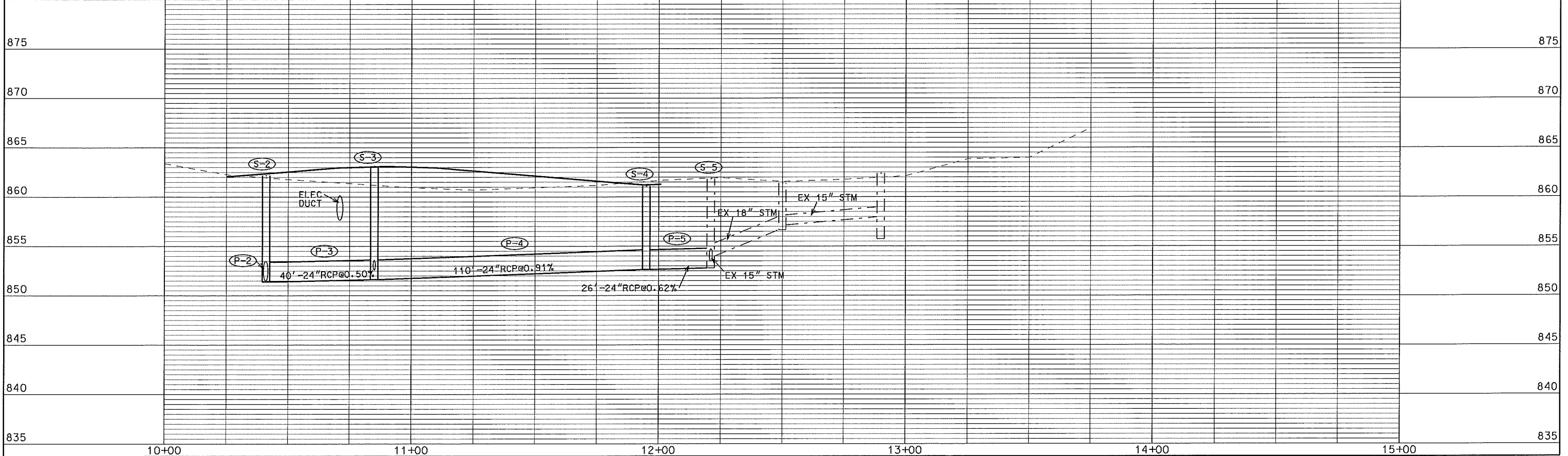
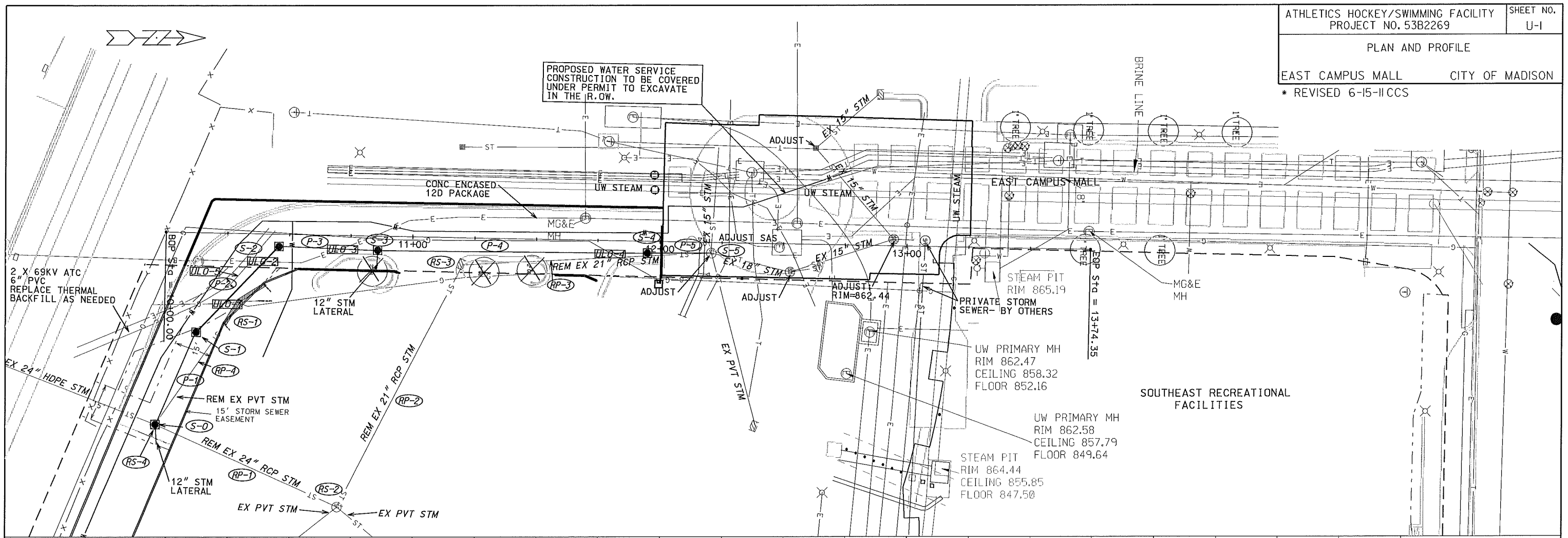
**NOTES:**

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

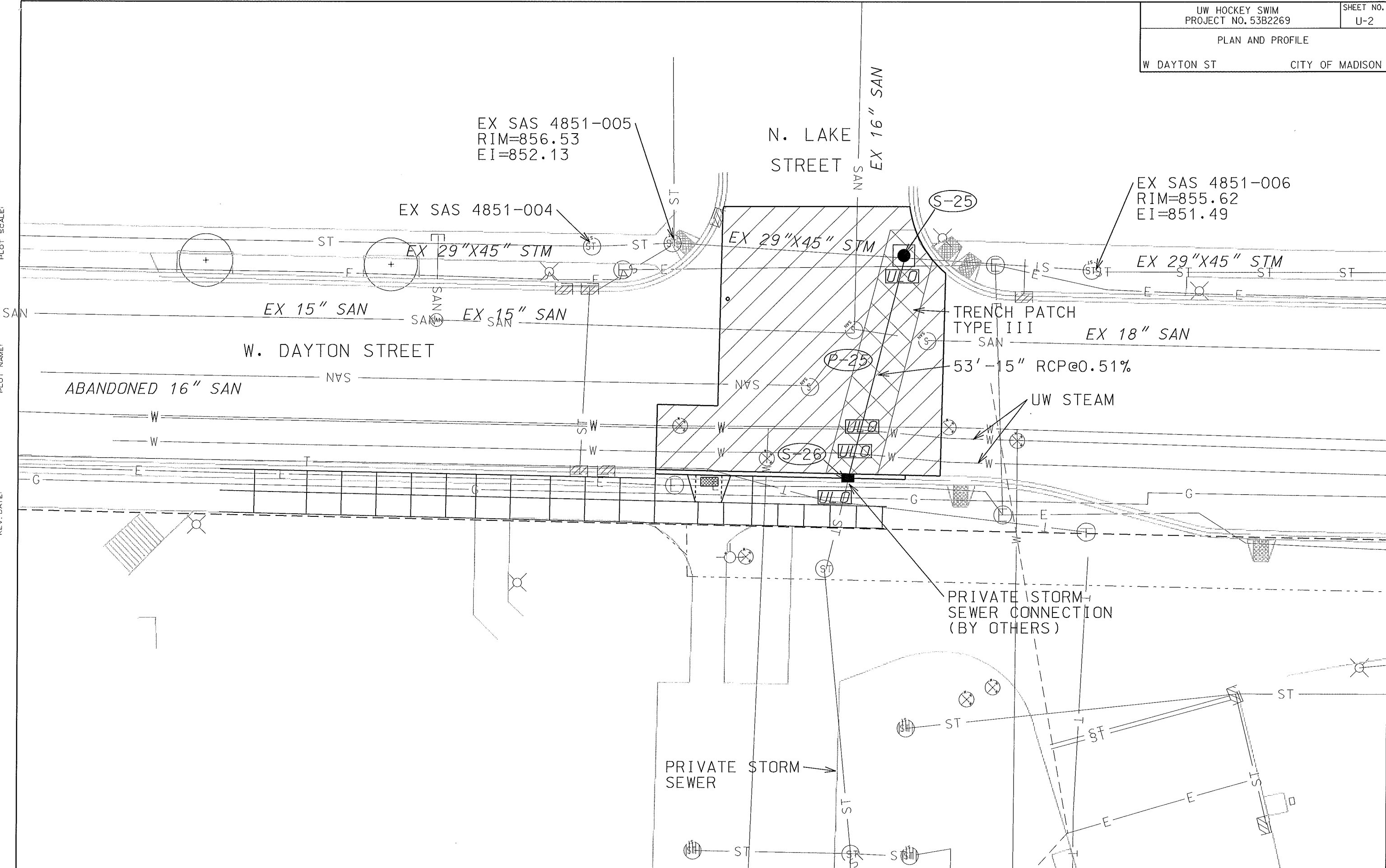
SIDEWALK RAMPS AND CURB THRU SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.

THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPRO





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



PLOT SCALE:  
PLOT NAME:  
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

# STORM SEWER SCHEDULE

## ALIGNMENT CODES:

"E"=EAST CAMPUS DR

ATHLETICS HOCKEY/SWIMMING FACILITY  
PROJECT NO. 53B2269

SHEET NO.  
U-3

STORM SEWER SCHEDULE CITY OF MADISON

### STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-0	9'E'+97.50	RT-78.00	3X3 SAS	857.50	850.97	6.53	W/R-2504
* S-1	10'E'+12.61	RT-40.50	3X3 SAS	860.90	851.18	9.72	W/R-1550-0054
* S-2	10'E'+45.70	RT-5.00	3X3 SAS	862.19	851.44	10.75	W/R-2504
S-3	10'E'+85.50	RT-5.80	3X3 SAS	863.12	851.64	11.48	W/R-1550-0054
S-4	11'E'+95.00	RT-4.70	3X3 SAS	861.10	852.64	8.46	W/R-2504
S-5	12'E'+20.80	RT-4.50	EX SAS	861.84	852.80	9.04	TAP @EI=852.80; ADJUST
	<b>NORTHING</b>	<b>EASTING</b>					
S-25	481478.70	817623.66	5X5 SAS	855.56	851.77	3.79	FP; W/R-1550-0054
S-26	481427.75	817610.86	H INLET	856.01	852.04	3.97	(1); W/3067-7004

### PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
* P-1	S-0	S-1	41	850.97	851.18	0.51%	24"	RCP	
* P-2	S-1	S-2	48	851.18	851.44	0.54%	24"	RCP	
* P-3	S-2	S-3	40	851.44	851.64	0.50%	24"	RCP	
P-4	S-3	S-4	110	851.64	852.64	0.91%	24"	RCP	
P-5	S-4	S-5	26	852.64	852.80	0.62%	24"	RCP	TAP
P-25	S-25	S-26	53	851.77	852.04	0.51%	15"	RCP	

\* REVISED 6-15-11 CCS

### STRUCTURE REMOVALS

STRUC. NO.	STATION	LOCATION (OFFSET)	ID NUMBER	TYPE	NOTES
RS-1	10'E'+27.00	RT-32.00	IN 4852-004	EX SAS	REMOVE
RS-2	10'E'+71.00	RT-110.00	AS 5842-006	EX SAS	REMOVE
RS-3	11'E'+21.00	RT-11.00	AS 5842-008	EX SAS	REMOVE
RS-4	9'E'+97.00	RT-78.00	AS 48-52-005	EX SAS	REMOVE

### PIPE REMOVALS

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	SIZE	TYPE	NOTES
RP-1	S-0	RS-2	73	24	RCP	REMOVE
RP-2	RS-2	RS-3	99	21	RCP	REMOVE
RP-3	RS-3	S-5	101	21	RCP	REMOVE
RP-4	S-0	RS-1	45	12	RCP	REMOVE

### ULO's

NO.	STATION	(OFFSET)	UTILITY	ELEV TOP	ELEV BOTTOM	NOTES
* ULO-1	10'E'+25.00	RT-29.00	GAS	N/A - GAS REMOVED		
* ULO-2	10'E'+37.00	RT-11.00	ELEC DUCT	858.61	856.02	VERIFY NO CONFLICT WITH 69KV LINE
* ULO-3	10'E'+71.00	RT-5.50	ELEC DUCT	860.21	857.63	VERIFY NO CONFLICT WITH 69KV LINE
* ULO-4	ULO-1180	ULO-5	GAS	N/A - GAS REMOVED		
* ULO-5	10'E'+29.60	RT-17.00	ATC ELEC	861.85		
	<b>NORTHING</b>	<b>EASTING</b>				
ULO-5	481473.86	817622.73	ELEC DUCT			
ULO-6	481439.19	817611.37	WATER, STEAM			
ULO-7	481433.69	817611.35	STEAM			
ULO-8	481424.37	817609.55	ELEC, GAS, TEL			

### 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 COREY STELLJES OF CITY ENGINEERING AT (608) 266-9721 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608)264-9275.

### SPECIFIC NOTES

- (1) PROVIDE 15" KNOCKOUT FOR 15" RCP PRIVATE STORM SEWER TO SOUTH