

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

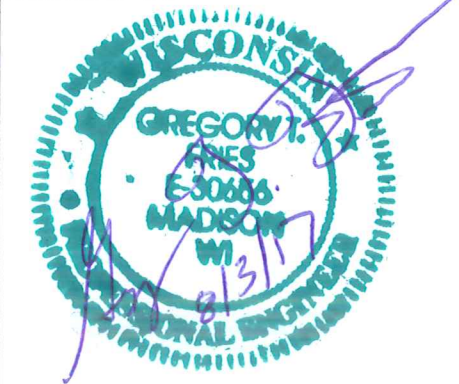
JULY 11, 2017

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Ch. Peltz 8/4/17
 City Engineer (s. Phillip) Date

STORM SEWER DESIGNED BY:



INDEX OF SHEETS

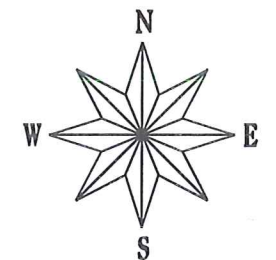
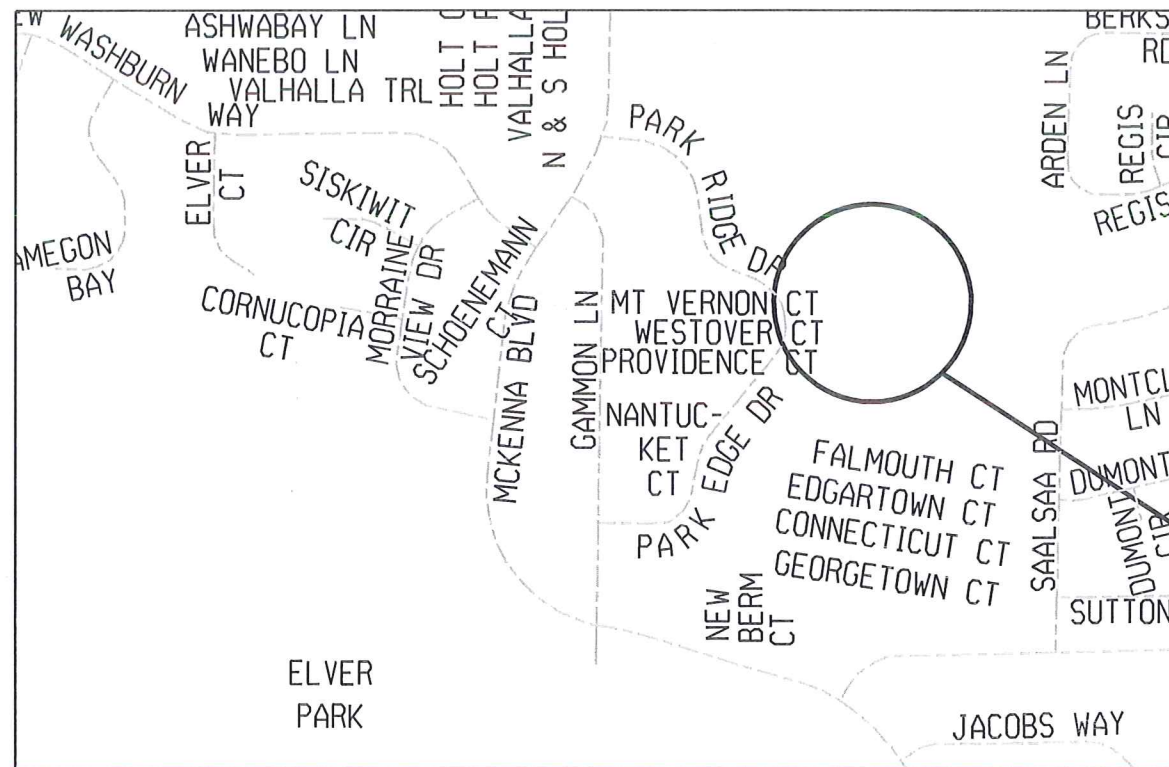
SHEET NO. 1	TITLE
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PARK EDGE DRIVE FLOOD MITIGATION

CITY PROJECT NO. 11667

CITY CONTRACT NO. 8035

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	



6741 PARK
EDGE DR

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

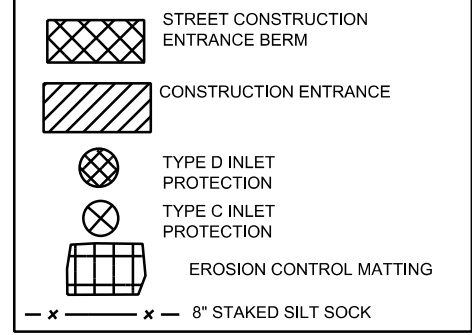
ORIGINATOR: CITY OF MADISON - STREETS DIVISION

EROSION CONTROL PLAN

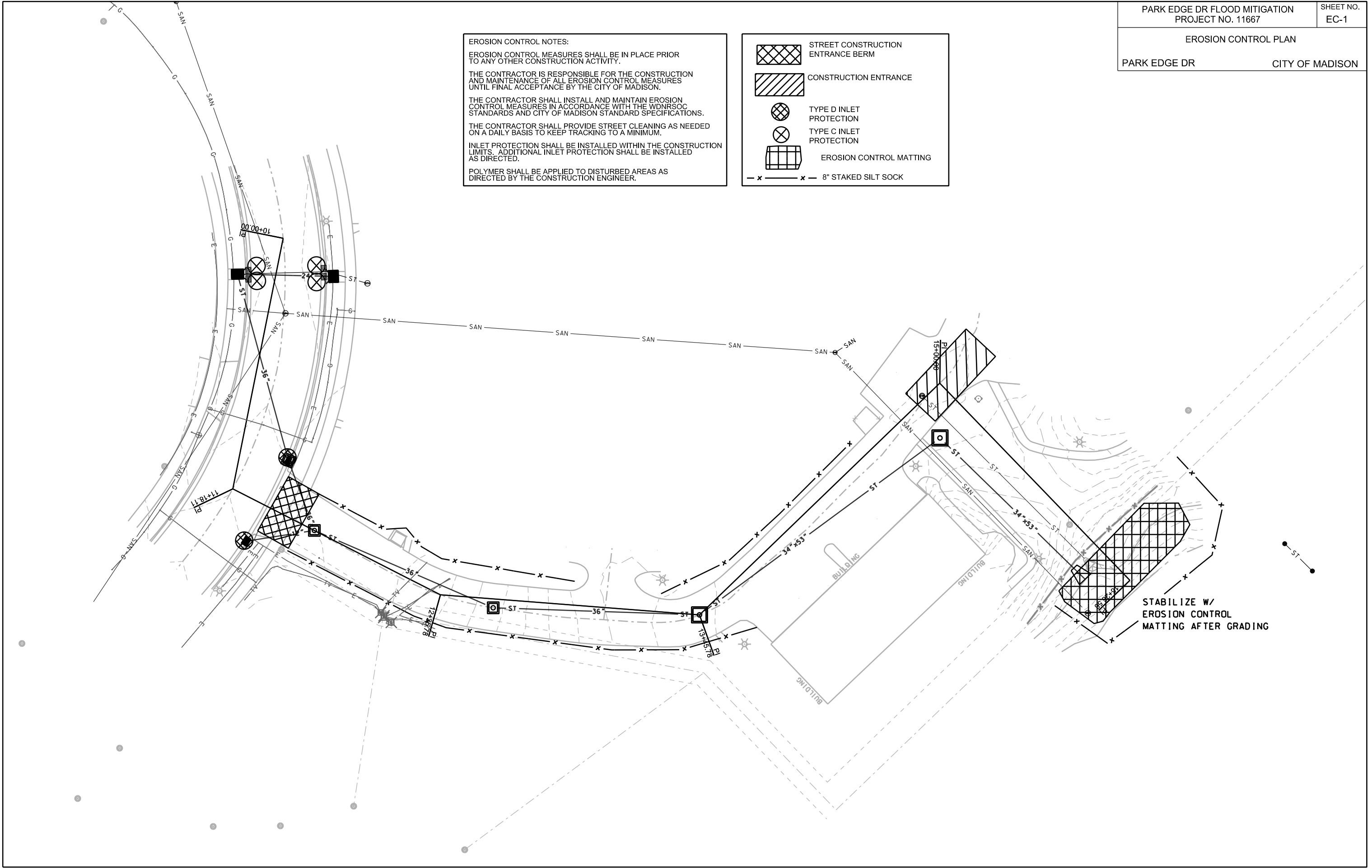
PARK EDGE DR

CITY OF MADISON

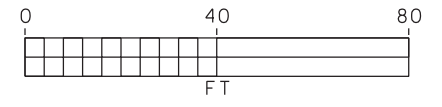
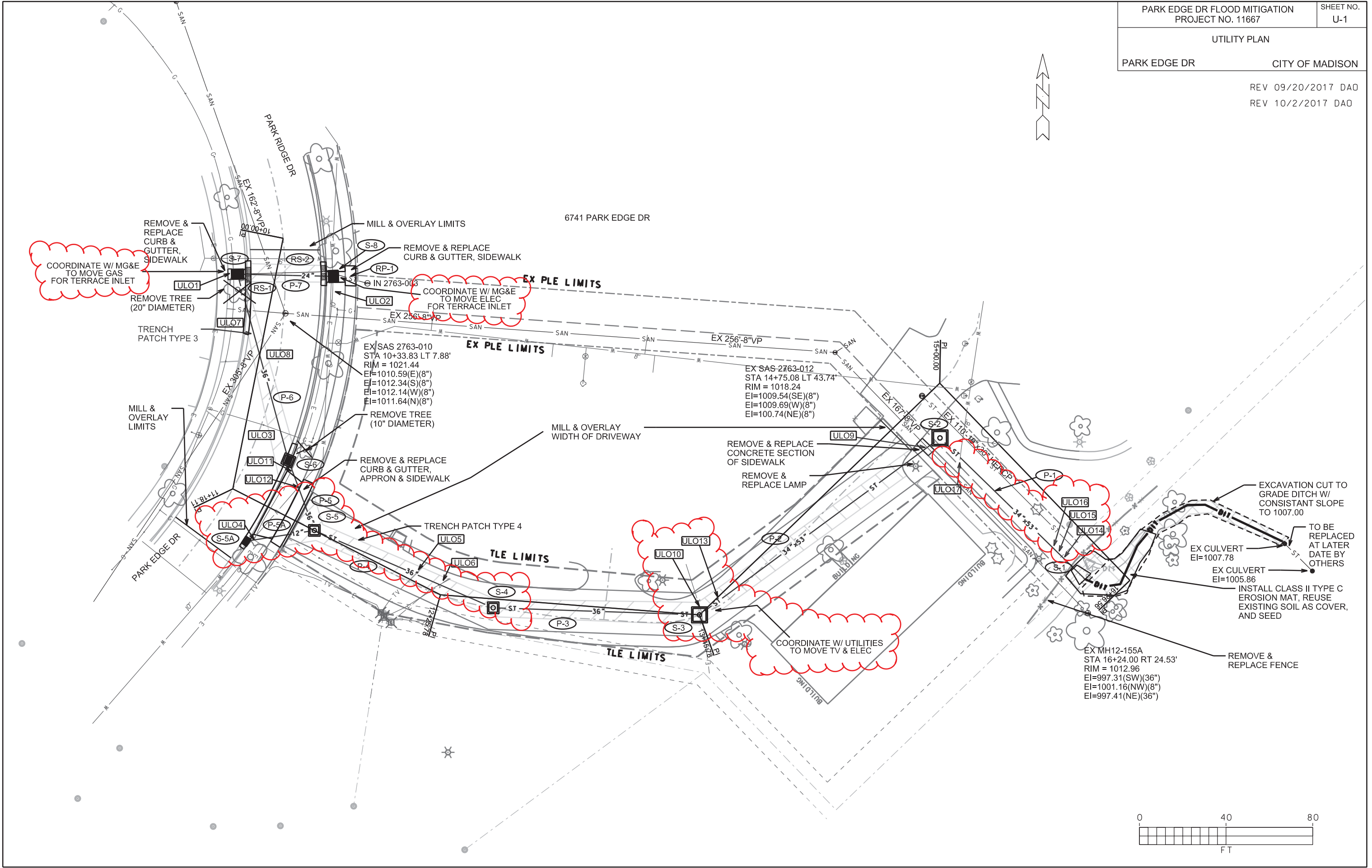
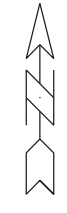
EROSION CONTROL NOTES:
EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.
THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.
INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.
POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.



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



REV 09/20/2017 DAO
REV 10/2/2017 DAO



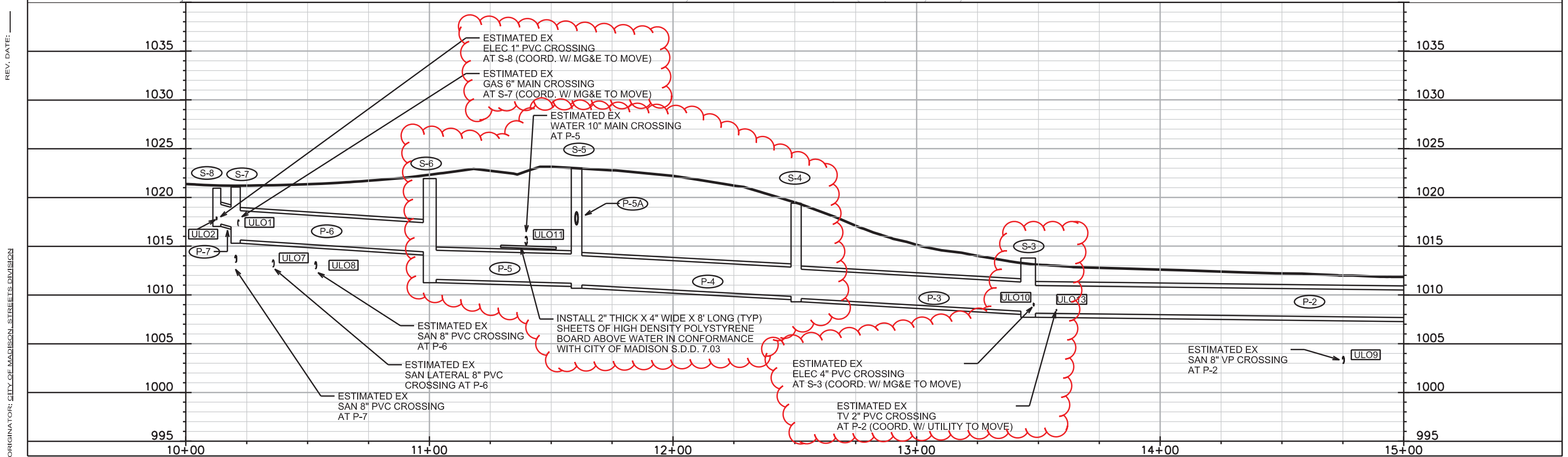
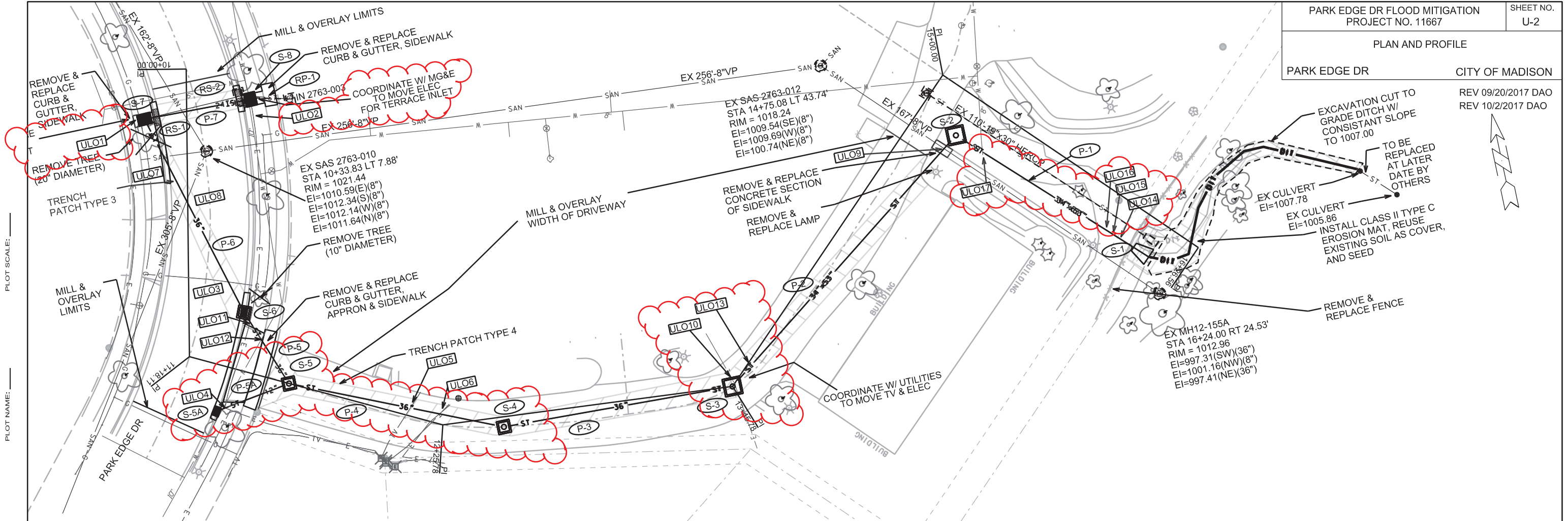
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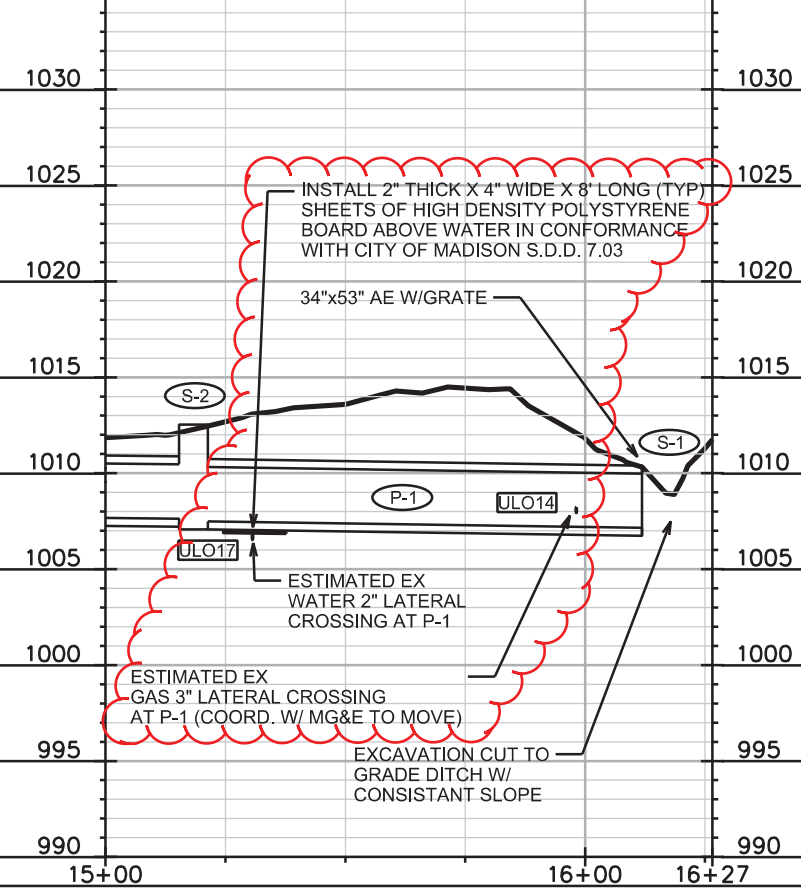
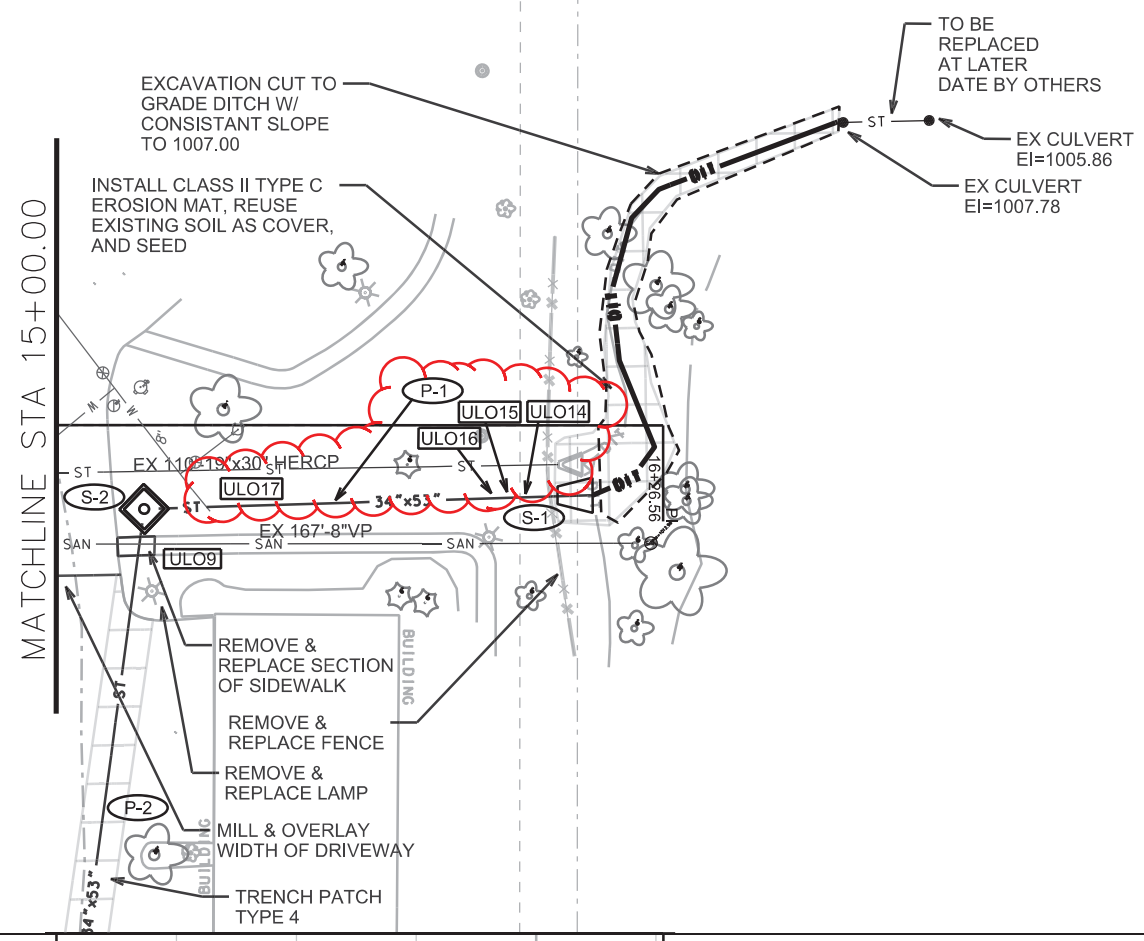
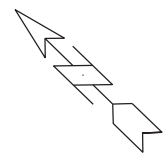
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV 09/20/2017 DAO
REV 10/2/2017 DAO





PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

STORM SEWER SCHEDULE

* REV 09/20/2017 DAO

** REV 10/2/2017 DAO

PARK EDGE DR FLOOD MITIGATION

PROJECT NO. 11667

SHEET NO.

U-4

STORM SEWER SCHEDULE

PARK EDGE DR

CITY OF MADISON

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
PARK EDGE DR							
S-1	16+11.83	RT-14.54	34"x53" HERCP AE		1007.15		
S-2	15+18.33	RT-17.48	6'x6' SAS	1012.53	1007.51	5.02	W/R-1689-0054
S-3	13+45.78	CL	6'x6' SAS	1013.78	1008.14	5.64	W/R-1550-0054
** S-4	12+50.56	RT-4.09	4'x4' SAS	1019.40	1009.69	9.71	W/R-1550-0054
** S-5	11+60.41	LT-0.01	4'x4' SAS	1023.01	1011.07	11.94	W/R-1550-0054
** S-5A	11+34.62	RT-18.76	H-INLET	1023.32	1018.50	4.82	FP;W/R-3067-7004-V
** S-6	11+00.16	LT-22.59	4'x4' SAS	1021.93	1011.62	10.31	W/R-3067-7004-V
S-7	10+20.44	RT-17.36	TERRACE INLET TYPE I	1021.06	1015.69	5.37	LP;FP;SEE S.D.D. 5.7.12 (1)
S-8	10+12.73	LT-26.25	TERRACE INLET TYPE II	1020.94	1017.50	3.44	LP;FP; SEE S.D.D. 5.7.12A (1)

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
PARK EDGE DR										
P-1	S-1	S-2	1007.15	1007.51	94	90.5	0.40%	34"x53"	HERCP	
P-2	S-2	S-3	1007.61	1008.14	138	132	0.40%	34"x53"	HERCP	
** P-3	S-3	S-4	1008.24	1009.69	95	90.5	1.60%	36"	TYPE II	
** P-4	S-4	S-5	1009.79	1011.07	90	85.5	1.50%	36"	TYPE II	
** P-5	S-5	S-6	1011.17	1011.62	35	30	1.50%	36"	TYPE II	NCM
** P-5A	S-5	S-5A	1017.36	1018.50	32	28.5	4.00%	12"	TYPE II	NCM
P-6	S-6	S-7	1014.33	1015.69	89	85	1.60%	36"	TYPE II	
P-7	S-7	S-8	1016.69	1017.50	44	40.5	2.00%	24"	TYPE II	

REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
PARK EDGE DR					
RS-1	IN 2763-011	10+19.71	RT-12.37	DOUBLE H-INLET	(2)
RS-2	IN 2763-012	10+11.89	LT-21.49	DOUBLE H-INLET	(2)

REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
PARK EDGE DR							
RP-1	RS-2	IN 2763-003	20	18"	RCP	Y	PLUG IN 2763-003
RP-2	RS-1	RS-2	33	15"	RCP	N	

STORM SEWER ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	E.I.	NOTES
** ULO1	10+21.61	RT-19.13	6" GAS	1017.70	- CONTACT MG&E TO MOVE
** ULO2	10+19.33	LT-27.25	1" PVC ELECTRIC	1018.03	- CONTACT MG&E TO MOVE
** ULO3	10+87.50	LT-16.60	2" PVC GAS	1017.46	
** ULO4	11+37.48	RT-15.89	1" PVC ELECTRIC	1020.89	
** ULO5	12+11.43	LT-3.00	2" TV/FIBER	1019.38	
** ULO6	12+22.78	LT-4.17	1/2" FO, 1/4" ELE, 4" FO	1016.97 (ELE), 1017.28 (4"FO), 1017.23(1/2"FO)	
** ULO7	10+36.73	RT-9.19	8" SANITARY	1013.01	
** ULO8	10+53.94	LT-37.00	8" SANITARY	1013.55	
** ULO9	14+75.45	RT-17.88	8" SANITARY	1003.82	
** ULO10	13+48.09	LT-1.29	4" FO, 1/2" ELE	1009.20 (FO), 1009.01 (ELE)	- CONTACT MG&E TO MOVE
** ULO11	11+37.88	LT-20.39	1" ELE, 10" WATER	1020.10 (ELE), 1016.16 (WAT)	
** ULO12	11+43.14	LT-14.74	1/4" ELE	1020.48	
** ULO13	13+57.39	RT-1.02	2" PVC TV	1008.53	- CONTACT UTILITY TO MOVE
** ULO14	1589.16	RT-16.02	3" GAS	1008.25	- CONTACT MG&E TO MOVE
** ULO15	15+94.82	RT-15.55	6" PVC ELECTRIC	1011.63	
** ULO16	15+91.32	RT-15.76	3" PVC TV	1012.13	
** ULO17	15+30.64	RT-16.22	2" COPPER WATER LAT	1006.85	

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.

SPECIFIC NOTES

- (1) TOP OF CASTING IS TYPICALLY 0.2' BELOW TOP OF CURB AT SITE LOCATION
- (2) PAID AS 2 - REMOVE INLET

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.