

Madison, Wisconsin

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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	⚡

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%.

CITY OF MADISON

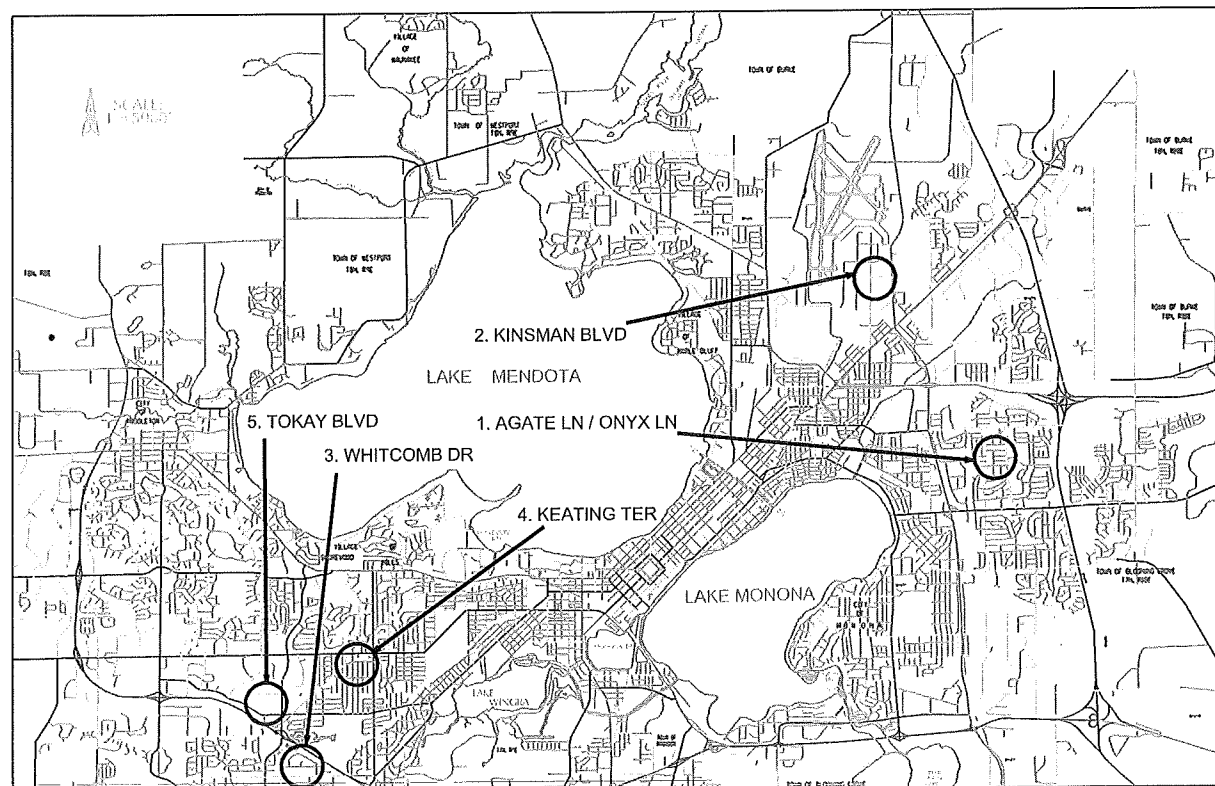
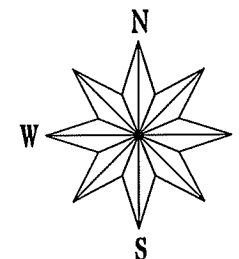
CITY ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

STORM SEWER WITH RESURFACING 2013

CITY PROJECT NO. 53W1522

CONTRACT NO. 6971



CONSTRUCTION PROJECT LOCATION

PUBLIC IMPROVEMENT PROJECT
APPROVED

DECEMBER 11, 2012

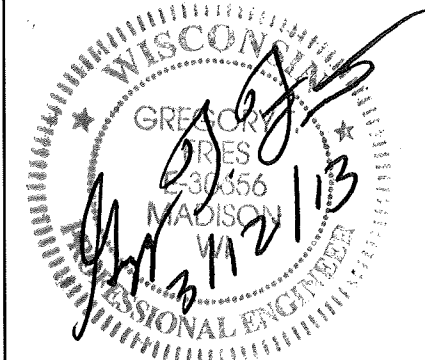
BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

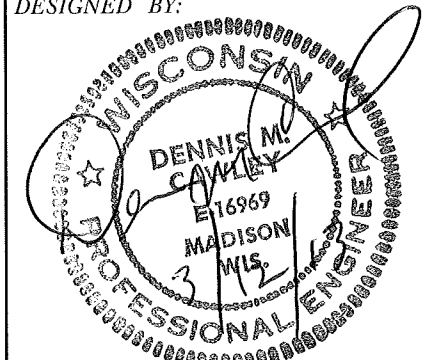
City Engineer

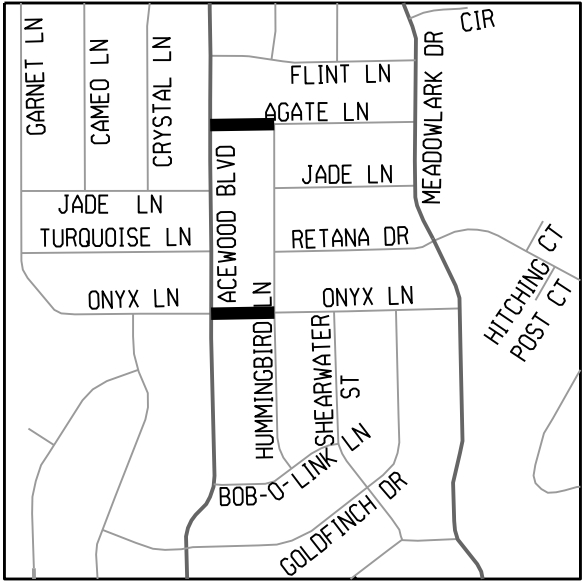
3/12/13
Date

STORM SEWER
DESIGNED BY:

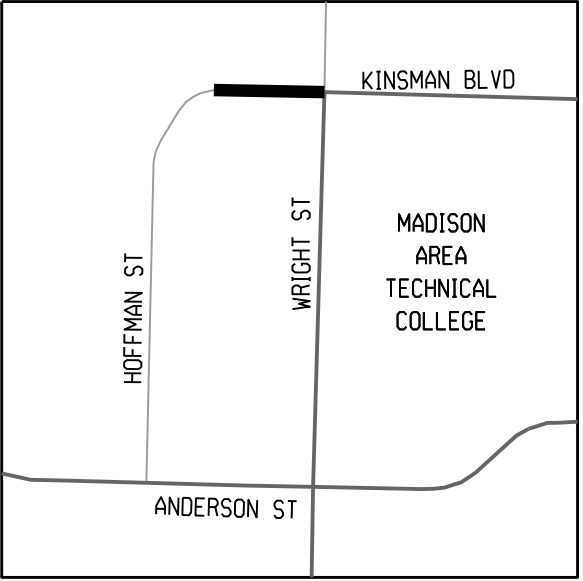


WATER
DESIGNED BY:

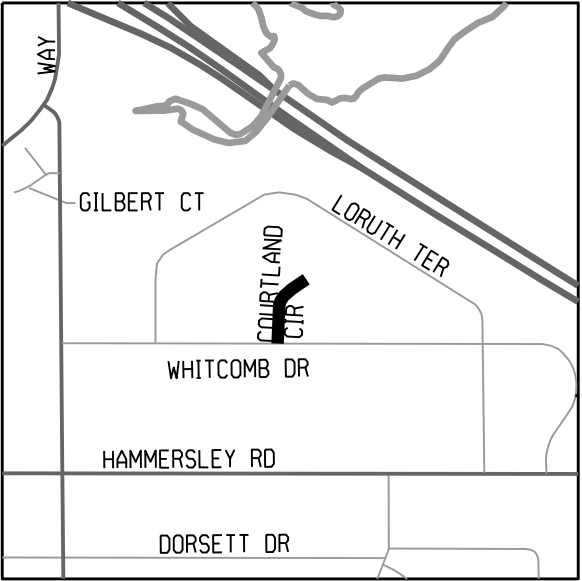




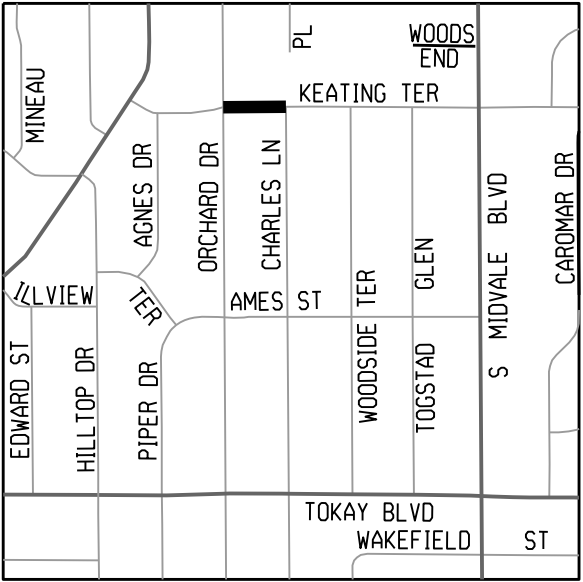
1 - AGATE LN / ONYX LN



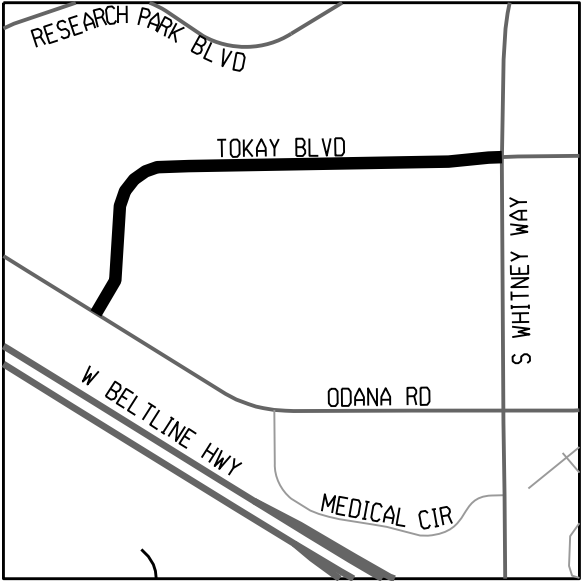
2 - KINSMAN BLVD



3 - WHITCOMB DR



4 - KEATING TER



5 - TOKAY BLVD



SCALE:
1"=1000'

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

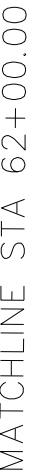
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

STORM SEWER QUANTITIES

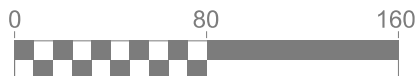
		Designed By:		AGATE LN ONYX LN Elia E. Acosta	KINSMAN BLVD Corey Steljes	COURTLAND CIR Elia E. Acosta	KEATING TER Elia E. Acosta	TOKAY BLVD Elia E. Acosta	UNDISTRIBUTED	
ITEM NO.	TYPE OF WORK	UNIT	QUANTITIES						TOTAL	
10702	TRAFFIC CONTROL FOR STORM SEWER INSTALLATION	LUMP SUM	1	1	1	1	1	1		5
10912	MOBILIZATION FOR STORM SEWER INSTALLATION	LUMP SUM	1	1	1	1	1	1		5
20217	CLEAR STONE BERM	TON		20						20
20221	TOPSOIL	SY		200						200
20313	REMOVE INLET	EACH	2		5					7
20314	REMOVE PIPE	LF		582				30		612
20336	PIPE PLUG	EACH						1		1
20701	TERRACE SEEDING	SY		200						200
21013	STREET SWEEPING	LUMP SUM	1	1	1	1	1	1		5
21014	CLEAR STONE BERM (DITCH CHECK)	EACH		1						1
21025	SILT SOCK (12 INCH) - PROVIDE, INSTALL, MAINTAIN			35						35
21026	SILT SOCK (12 INCH) - REMOVE & RESTORE			35						35
21035	INLET PROTECTION, TYPE C MODIFIED - COMPLETE	EACH						5		5
21055	INLET PROTECTION, TYPE D HYBRID - COMPLETE	EACH	24	8	10	6	9			57
21062	EROSION MATTING, CLASS I, URBAN TYPE A	SY		100						100
21072	EROSION MATTING, CLASS II, TYPE B (ORGANIC)	SY		100						100
40201	HMA PAVEMENT TYPE E-0.3				80					80
40301	FULL WIDTH GRINDING	SY			640					640
40382	REMOVE & REPLACE CONCRETE CURB & GUTTER, HAND PLACED - RESURFACING	LF	120	75	135	20	10			360
40391	REMOVE & REPLACE 5" THICK CONCRETE SIDEWALK - RESURFACING	LF		300						300
50211	SELECT BACKFILL FOR STORM SEWER	TF	884	294	372	379	49			1978
50225	UTILITY TRENCH PATCH TYPE III*	TF	174	56	275	79	49			633
50227	UTILITY TRENCH PATCH TYPE IV*	TF	710		30	300				1040
50411	12 INCH RCP STORM SEWER PIPE	LF	583		88	29	49			749
50412	15 INCH RCP STORM SEWER PIPE	LF	301		57	350				708
50413	18 INCH RCP STORM SEWER PIPE	LF			194					194
50414	21 INCH RCP STORM SEWER PIPE	LF			32					32
50415	24 INCH RCP STORM SEWER PIPE	LF			10					10
50435	34 INCH x 53 INCH HERCP STORM SEWER PIPE	LF		294						294
50485	34 INCH x 53 INCH HERCP AE	EACH		2						2
50625	34 INCH x 53 INCH HERCP AE GATE	EACH		2						2
50499	CONCRETE COLLAR	EACH						1		1
50723	3'x3' STORM SAS	EACH	5		3	2				10
50733	3'X3' STORM SAS WITH SALVAGED CASTING	EACH						2		2
50741	TYPE 'H' INLET	EACH	12		6	2	1			21
50763	TERRACE INLET - TYPE III	EACH			1					1
50792	STORM SEWER TAP	EACH			1		1			2
50801	UTILITY LINE OPENING (ULO)	EACH	4	5	1	6				16
90030	SLURRY BACKFILL	T.F.		134						134
90031	REBUILD STRUCTURE WALL	LUMP SUM		1						1
90032	STORM CONTROL	LUMP SUM		1						1

* Total Quantity of Trench Patch has been split by percentage between Type III and Type IV Trench Patch. Quantities have been split per contract specifications.

	STREET CONSTRUCTION ENTRANCE BERM (S.D.D. 1.08)
	CONSTRUCTION ENTRANCE (S.D.D. 1.07)
	TYPE D HYBRID INLET PROTECTION
	SILT SOCK (S.D.D. 1.09)
	STREET CONSTRUCTION STONE BERM (S.D.D. 1.10)



POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.



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.

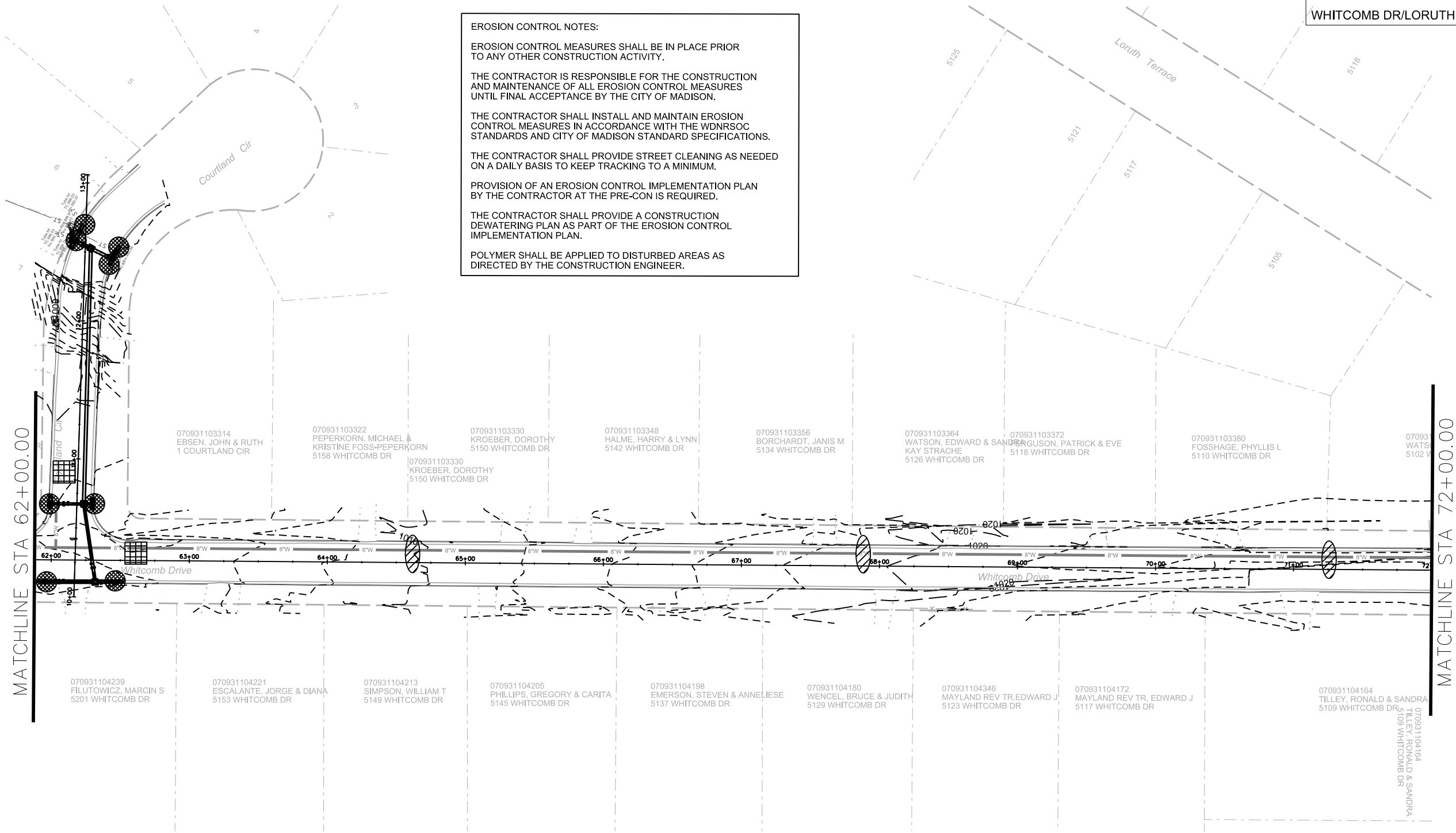
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

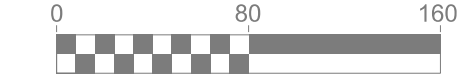
PROVISION OF AN EROSION CONTROL IMPLEMENTATION PLAN BY THE CONTRACTOR AT THE PRE-CON IS REQUIRED.

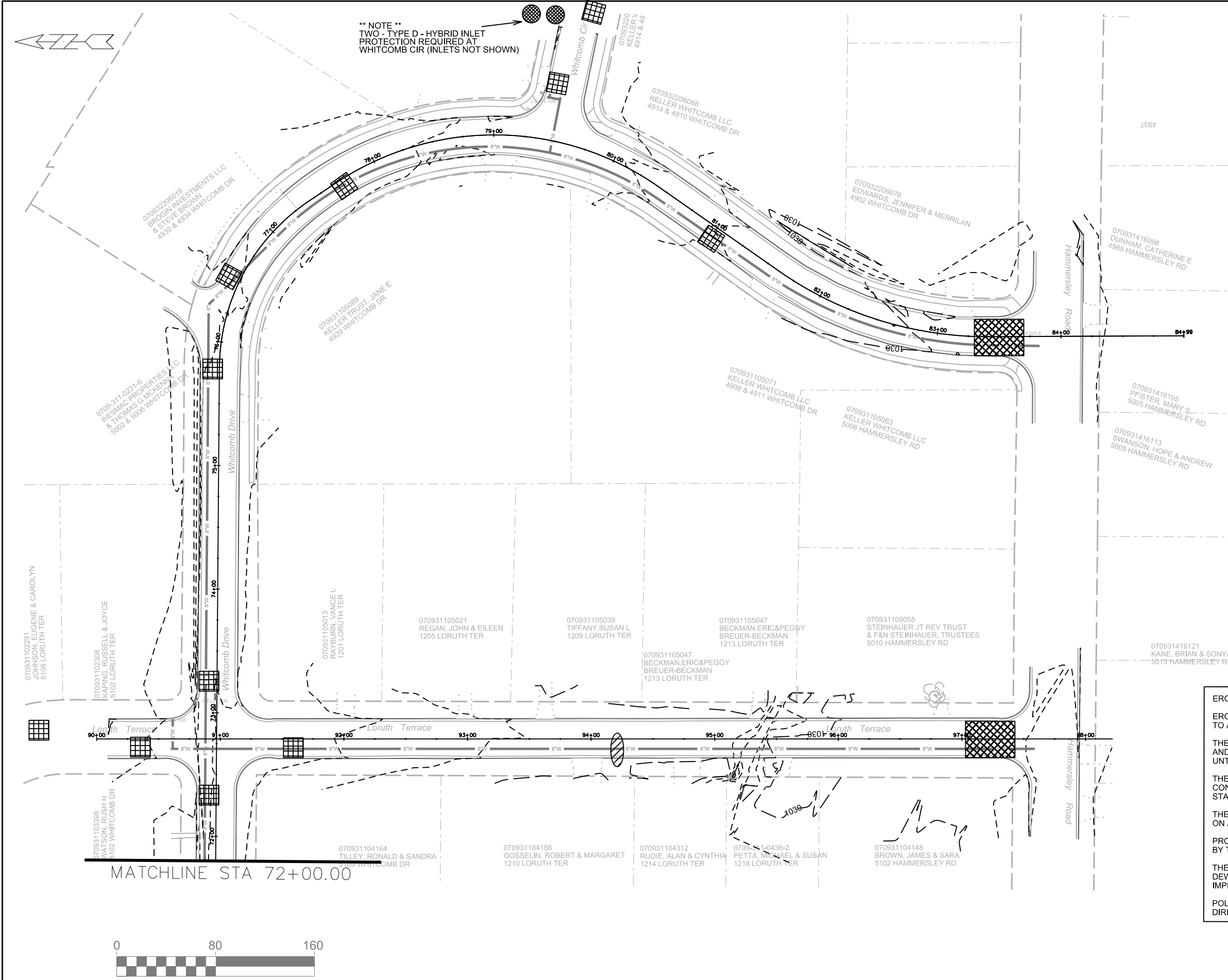
THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION DEWATERING PLAN AS PART OF THE EROSION CONTROL IMPLEMENTATION PLAN.

POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.



- STREET CONSTRUCTION ENTRANCE BERM (S.D.D. 1.08)
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- TYPE D HYBRID INLET PROTECTION
- SILT SOCK (S.D.D. 1.09)
- STREET CONSTRUCTION STONE BERM (S.D.D. 1.10)





- | | |
|--|---|
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ENTRANCE BERM
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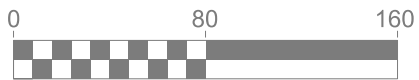
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PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

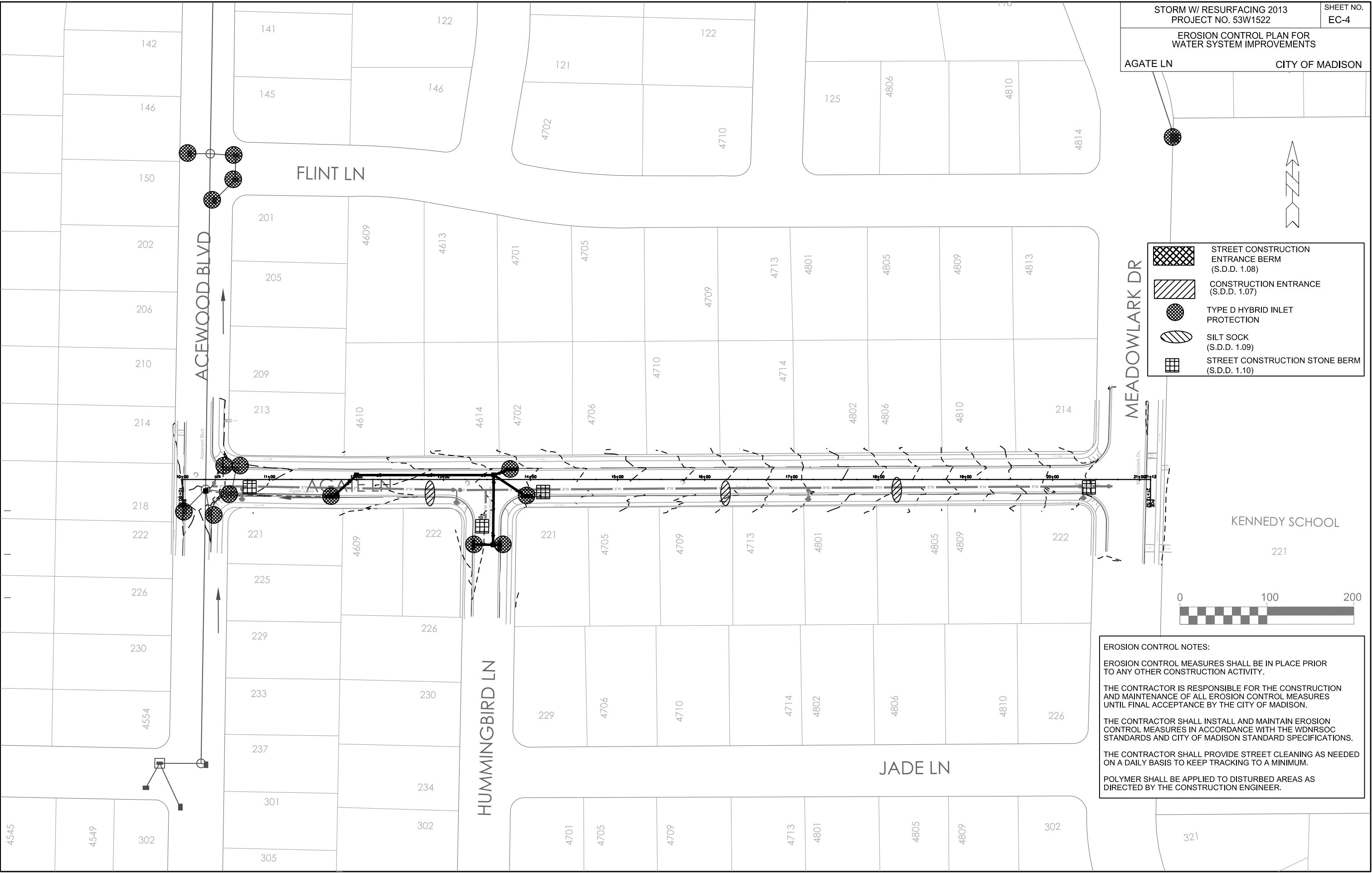
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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PLOT NAME: _____

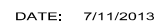
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



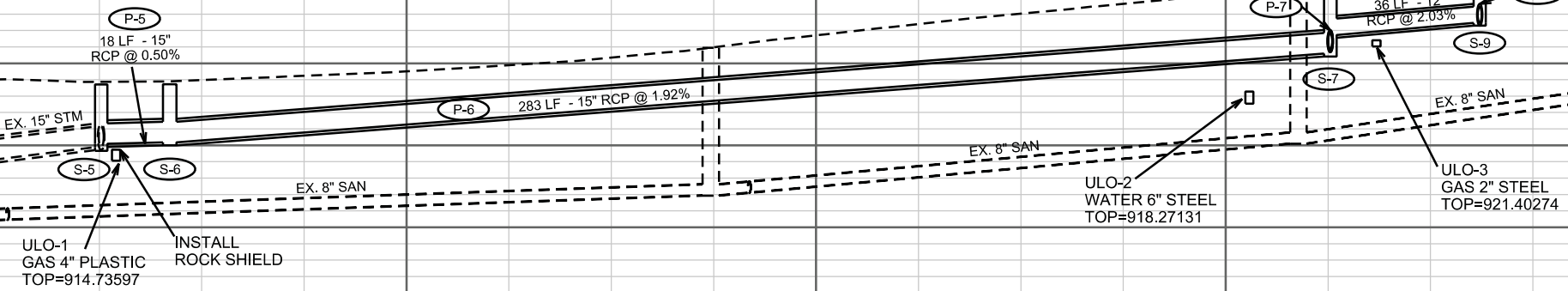
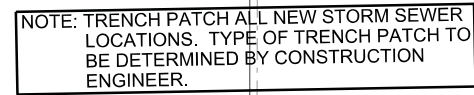
CITY OF MADISON

071003310184
WOLF, MARIE E
4706 AGATE LN



CITY OF MADISON

071003319110
OLSON, GARY W.
4702 ONYX LN



STORM SEWER SCHEDULE

ALIGNMENT CODES:

"AG"=AGATE LANE
"ON"=ONYX LANE

+ REVISED 7/2/13 EEA

++ REVISED 7/11/13 EEA

STORM WITH RESURFACING 2013

PROJECT NO. 53W1522

SHEET NO.

U-3

AGATE LN / ONYX LN

STORM SEWER SCHEDULE

CITY OF MADISON

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-1	11'AG'+71.14	RT-20.50	H INLET	921.36	917.82	3.54	W/ R-3067-7004-V; (1)
S-2	12'AG'+00.00	LT-5.00	3X3 SAS	921.21	918.01	3.20	FP; W/ R-1550-0054
S-3	13'AG'+57.73	LT-5.00	3X3 SAS	924.49	919.78	4.71	FP; W/ R-1550-0054
S-3A	13'AG'+96.00	RT-19.50	H INLET	925.82	922.22	3.60	W/ R-3067-7004-V
S-3B	13'AG'+76.90	LT-12.20	H INLET	925.28	921.10	4.18	W/ R-3067-7004-V
S-4	13'AG'+58.00	RT-75.00	3X3 SAS	924.28	920.18	4.10	W/ R-1550-0054
S-4A	13'AG'+33.18	RT-75.00	H INLET	923.50	920.30	3.20	W/ R-3067-7004-V
S-4B	13'AG'+65.80	RT-75.00	H INLET	924.66	920.86	3.80	W/ R-3067-7004-V
S-5	51'ON'+25.50	RT-17.16	H INLET	918.71	914.89	3.82	W/ R-3067-7004-V; (2)
+ S-6	51'ON'+42.22	RT-6.94	3X3 SAS	918.73	915.18	3.55	W/ R-1550-0054
S-7	54'ON'+25.65	RT-9.60	3X3 SAS	925.72	920.60	5.12	FP; W/ R-1550-0054
S-8	54'ON'+33.25	LT-44.04	H INLET	925.37	921.29	4.08	W/ R-3067-7004-V
S-8A	54'ON'+01.40	LT-46.29	H INLET	924.66	921.46	3.20	W/ R-3067-7004-V
S-9	54'ON'+62.00	RT-19.20	H INLET	925.86	922.46	3.40	W/ R-3067-7004-V
S-9A	54'ON'+65.39	LT-12.90	H INLET	926.07	922.67	3.40	W/ R-3067-7004-V
S-10	54'ON'+32.24	RT-50.45	H INLET	925.32	921.26	4.06	W/ R-3067-7004-V
S-10A	53'ON'+99.98	RT-51.70	H INLET	924.63	921.43	3.20	W/ R-3067-7004-V

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	37	917.82	918.01	0.51%	12"	RCP	-
P-2	S-2	S-3	158	918.01	919.78	1.12%	12"	RCP	-
++ P-3	S-3	S-3A	44	920.78	922.22	3.27%	12"	RCP	-
++ P-3A	S-3	S-3B	19	920.78	921.10	1.68%	12"	RCP	-
P-4	S-3	S-4	80	919.78	920.18	0.50%	12"	RCP	-
P-4A	S-4	S-4A	22	920.18	920.30	0.55%	12"	RCP	-
P-4B	S-4	S-4B	7	920.18	920.86	9.71%	12"	RCP	-
+ P-5	S-5	S-6	18	915.09	915.18	0.50%	15"	RCP	-
+ P-6	S-6	S-7	283	915.18	920.60	1.92%	15"	RCP	-
P-7	S-7	S-8	53	920.85	921.29	0.83%	12"	RCP	-
P-8	S-8	S-8A	29	921.29	921.46	0.59%	12"	RCP	-
+ P-9	S-7	S-9	36	921.73	922.46	2.03%	12"	RCP	-
P-9A	S-9	S-9A	29	922.46	922.67	0.72%	12"	RCP	-
P-10	S-7	S-10	40	920.85	921.26	1.02%	12"	RCP	-
P-10A	S-10	S-10A	29	921.26	921.43	0.59%	12"	RCP	-

ULO SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
+ ULO-1	51'ON'+29.87	RT-14.40	GAS	4" PLASTIC TOP=914.73597; REVISED STORM TO GO OVER GAS
+ ULO-2	54'ON'+06.00	RT-9.40	WATER	6" STEEL TOP=918.27131; OK STORM OVER WATER
+ ULO-3	54'ON'+37.08	RT-12.46	GAS	2" STEEL TOP=921.40274; REVISED STORM TO GO OVER GAS
+ ULO-4	54'ON'+29.21	LT-17.55	GAS	2" STEEL TOP=920.45286; OK STORM OVER GAS
++ ULO-X	13'AG'+76.00	RT-8.40	GAS	3" PLASTIC TOP= 920.98277; REVISED STORM TO GO OVER GAS

STORM REMOVALS SCHEDULE

STORM STRUCTURE REMOVALS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES:
RI-1	IN 6741-014	11'AG'+71.14	RT-20.50	H INLET	-
RI-2	IN 6742-015	51'ON'+25.50	RT-17.16	H INLET	-

SPECIFIC NOTES

- (1) RECONNECT EX 12" STM TO WEST
(2) RECONNECT EX 12" STM TO NORTH AND EX 15" STM TO WEST

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 ELIA E. ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608)264-9275.

KINSMAN BLVD CITY OF MADISON



ORIGINATOR: CITY OF MADISON STREETS DIVISION

PLOT SCALE: _ _ _ _

PLOT NAME: _ _ _ _

REV. DATE: _ _ _ _

STORM SEWER SCHEDULE

ALIGNMENT CODES:

"K"=KINSMAN BLVD

* REVISED 7-22-13

UTILITIES WITH RESURFACING

PROJECT NO. 53W1522

SHEET NO.

U-5

KINSMAN BLVD

STORM SEWER SCHEDULE

CITY OF MADISON

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-31	30'M'+19.00	RT-0	EX SAS	858.91	852.41	6.50	RECONSTRUCT NORTH WALL
* S-32	31'M'+72.00	LT-4.70	34"X53" HERCP AE	---	852.14	---	END OF APRON STATIONED; W/GATE
* S-33	31'M'+72.00	RT-4.70	34"X53" HERCP AE	---	852.14	---	END OF APRON STATIONED; W/GATE

PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
* P-31	S-32	S-31	147	852.14	852.41	0.18%	34"X53"	HERCP	SLURRY BETWEEN PIPES
* P-32	S-33	S-31	147	852.14	852.41	0.18%	34"X53"	HERCP	SLURRY BETWEEN PIPES SEE BID ITEM 90030

ULO'S

NO.	STATION	LOCATION (OFFSET)	TYPE	TOP ELEV	BOT ELEV	
* ULO-1	31'M'+58.00	RT-10.00	ELEC, TV	856.12	855.58	STORM SEWER REVISED
* ULO-2	31'M'+53.00	RT-10.00	FIBER	855.81	855.51	DIG BACK AND PULL F.O. OVER STORM
* ULO-3	31'M'+30.00	RT-10.00	2" ELEC	855.23		ELEC RELOCATED
* ULO-4	30'M'+48.00	RT-10.00	2" ELEC	855.85		NO CONFLICT
* ULO-5	30'M'+43.00	RT-10.00	6" GAS	850.47		NO CONFLICT

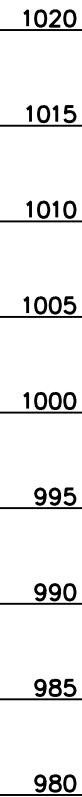
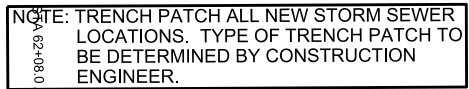
STORM PIPE REMOVALS

PIPE	REMOVE FROM	REMOVE TO	REMOVAL LENGTH	PAID (Y/N)	PIPE DIA	NOTES
RP-31	S-31	S-32	143	N	34"X53"	REMOVE
RP-32	S-31	S-32	143	N	34"X53"	REMOVE
RP-33	S-31	S-33	143	Y	34"X53"	REMOVE
RP-34	S-31	S-33	143	Y	34"X53"	REMOVE

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COURTLAND CIRCLE	CITY OF MADISON
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STORM SEWER SCHEDULE

ALIGNMENT CODES:

"CC"=COURTLAND CIR

STORM WITH RESURFACING 2013

PROJECT NO. 53W1522

SHEET NO.

U-7

COURTLAND CIR AT WHITCOMB DR

STORM SEWER SCHEDULE

CITY OF MADISON

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-50	12'CC'+68.60	LT-10.00	TAP	-	989.43	-	EX
S-51	12'CC'+58.00	LT-9.60	TERRACE INLET TYPE III	996.75	991.50	5.25	FP; PER S.D.D. 5.7.12B
S-52	12'CC'+30.00	RT-3.20	3X3 SAS	997.43	992.17	5.26	FP; W/ R-1550-0054
S-52A	12'CC'+45.00	RT-20.00	H INLET	997.37	993.43	3.94	W/ R-3067-7004-V
S-52B	12'CC'+51.00	RT-23.00	H INLET	997.36	993.96	3.40	W/ R-3067-7004-V
S-53	10'CC'+67.00	RT-5.00	3X3 SAS	1002.49	998.19	4.30	W/ R-1550-0054
S-53A	10'CC'+68.00	RT-11.80	H INLET	1002.70	998.90	3.80	W/ R-3067-7004-V
S-53B	10'CC'+68.00	LT-19.93	H INLET	1002.15	998.81	3.34	W/ R-3067-7004-V
S-54	10'CC'+11.00	RT-15.00	3X3 SAS	1003.85	999.55	4.30	W/ R-1550-0054
S-54A	10'CC'+11.00	RT-30.00	H INLET	1003.90	1000.50	3.40	W/ R-3067-7004-V
S-54B	10'CC'+10.00	LT-21.50	H INLET	1003.61	1000.21	3.40	W/ R-3067-7004-V

PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-50	S-50	S-51	10	989.43	991.50	20.70%	24"	RCP	-
P-51	S-51	S-52	32	991.50	992.17	2.09%	21"	RCP	-
P-52	S-52	S-53	162	992.42	998.19	3.56%	18"	RCP	-
P-52A	S-51	S-52A	32	992.50	993.43	2.91%	18"	RCP	-
P-52B	S-52A	S-52B	6	993.93	993.96	0.50%	12"	RCP	-
P-53	S-53	S-54	57	998.44	999.55	1.95%	15"	RCP	-
P-53A	S-53	S-53A	6	998.69	998.90	3.50%	12"	RCP	-
P-53B	S-53	S-53B	24	998.69	998.81	0.50%	12"	RCP	-
P-54	S-54	S-54A	15	999.80	1000.50	4.67%	12"	RCP	-
P-54A	S-54	S-54B	37	999.80	1000.21	1.11%	12"	RCP	-

ULO SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ULO-1	12'CC'+60.00	LT-10.00	GAS	-

STORM REMOVALS SCHEDULE

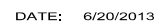
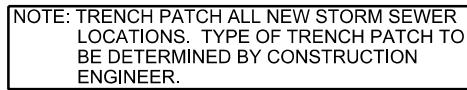
STORM STRUCTURE REMOVALS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES:
RI-1	IN 3363-011	12'CC'+58.00	LT-8.20	H INLET	TUB
RI-2	IN 3363-010	12'CC'+63.30	LT-5.60	H INLET	TUB
RI-3	IN 3363-009	12'CC'+66.20	LT-4.20	H INLET	TUB
RI-4	IN 3363-006	12'CC'+45.47	RT-20.50	H INLET	TUB
RI-5	IN 3363-007	12'CC'+60.00	RT-22.80	H INLET	TUB

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REVISÉD 6/19/13 EEA



STORM SEWER SCHEDULE

ALIGNMENT CODES:

"KT"=KEATING TERRACE

* REVISED 6/19/13 EEA

STORM WITH RESURFACING 2013

PROJECT NO. 53W1522

SHEET NO.

U-9

KEATING TERRACE

STORM SEWER SCHEDULE

CITY OF MADISON

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
* S-20	10'KT'+35.00	LT-5.75	3X3 SAS	965.39	961.54	3.85	FP; W/ R-1550-0054; (1)
* S-21	13'KT'+35.00	LT-8.75	3X3 SAS	967.21	962.74	4.47	W/ R-1550-0054
* S-22	13'KT'+30.00	RT-41.50	H INLET	968.34	966.00	2.34	FP; W/ R-3067-7004-V
* S-23	13'KT'+60.00	RT-41.75	H INLET	968.85	966.24	2.61	FP; W/ R-3067-7004-V

PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
* P-20	S-20	PIPE BREAK	80	961.54	961.54	0.00%	12"	RCP	(2)
* P-20	PIPE BREAK	S-21	220	961.54	962.74	0.55%	12"	RCP	(2)
* P-21	S-21	S-22	50	962.74	966.00	6.52%	12"	RCP	NCM
* P-22	S-22	S-23	29	966.00	966.24	0.83%	12"	RCP	-

ULO SCHEDULE

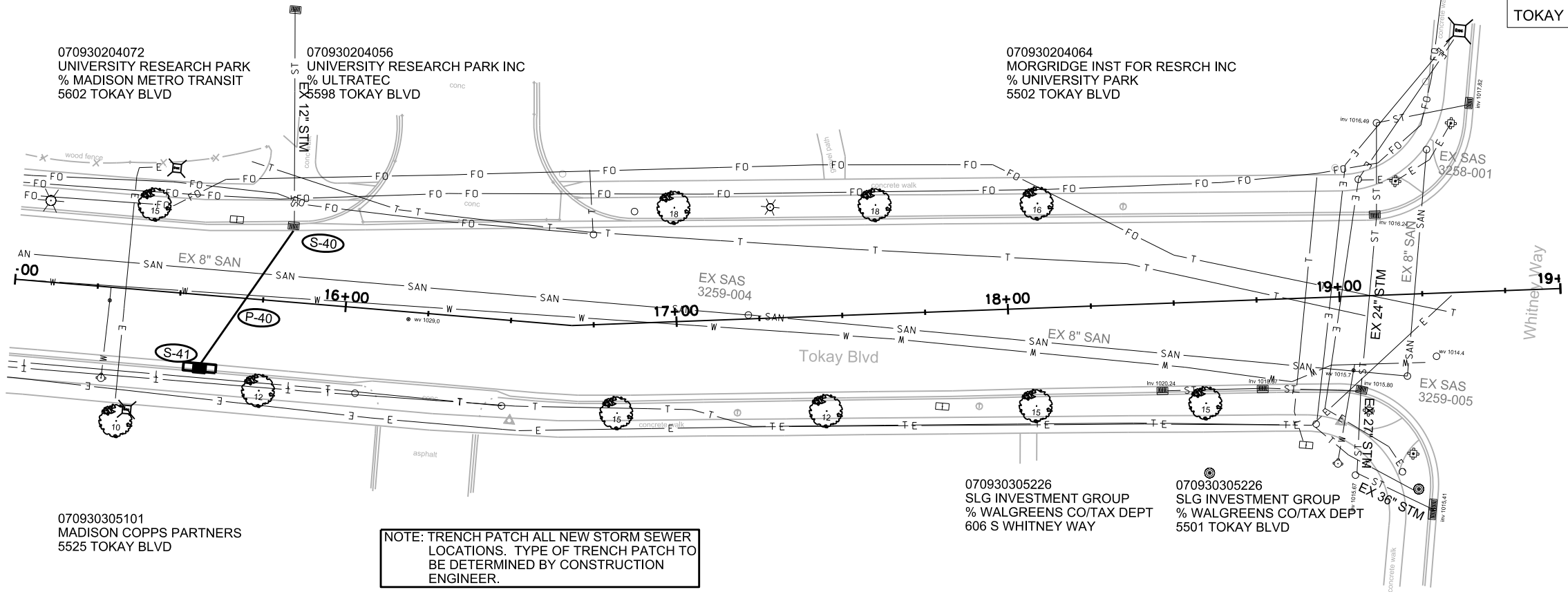
ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
* ULO-1	11'KT'+37.00	LT-8.50	GAS	TOP 1 INCH PLASTIC = 963.21; LIFT AS NEEDED
* ULO-2	13'KT'+28.00	LT-8.50	GAS	TOP 5 INCH STEEL = 965.06; MOVED STORM TO GO UNDER GAS
* ULO-3	13'KT'+34.00	RT-10.00	WATER	TOP 6 INCH CAST= 963.32; MOVED STORM TO GO ABOVE WATER
* ULO-4	13'KT'+22.26	RT-26.32	T	TOP 2 INCH PLASTIC = 964.91; MOVED STORM TO GO ABOVE T
* ULO-5	10'KT'+35.00	LT-5.75	STORM	TOP 18 INCH RCP STORM = 963.25; CONFIRMED ELEVATION & REVISED S-20
* ULO-6	13'KT'+30.00	RT-41.50	GAS	TOP OF 5 INCH PLASTIC = 964.57; OK STORM ABOVE GAS
* ULO-100	11'KT'+11.60	RT-9.80	ELEC & FO	TOP 3 INCH PVC = 963.30; MOVED STORM TO GO UNDER ELEC

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SPECIFIC NOTES

- (1) RECONNECT EX 18" STM TO NORTH & SOUTH
- * (2) MAC WRAP JOINTS



NOTE: TRENCH PATCH ALL NEW STORM SEWER LOCATIONS. TYPE OF TRENCH PATCH TO BE DETERMINED BY CONSTRUCTION ENGINEER.



STORM SEWER SCHEDULE

ALIGNMENT CODES:

"TB"=TOKAY BLVD

STORM WITH RESURFACING 2013	SHEET NO.
PROJECT NO. 53W1522	U-11
TOKAY BLVD	
STORM SEWER SCHEDULE	CITY OF MADISON

STRUCTURES

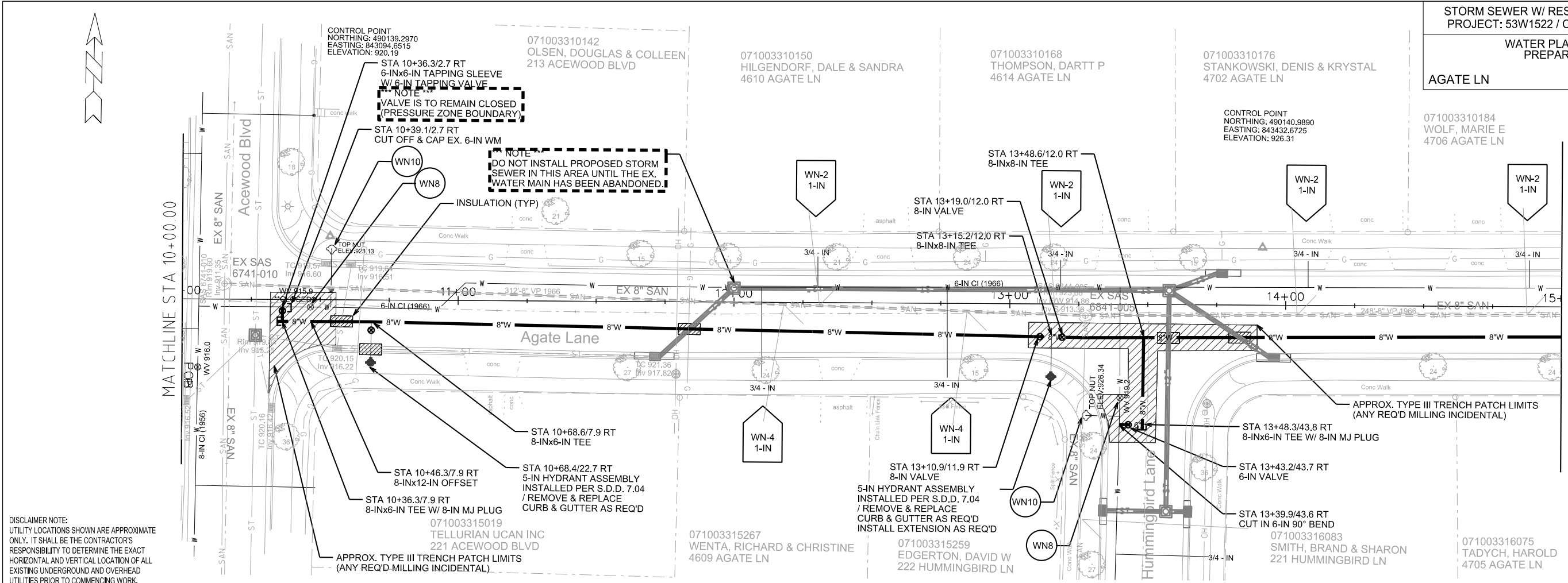
STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-40	15'TB'+82.50	LT-23.30	STORM TAP	-	1033.29	-	TAP EXISTING IN 3258-009
S-41	15'TB'+57.60	RT-22.50	H INLET	1036.64	1033.54	3.11	W/ R-3067-7004-V

PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-40	S-40	S-41	49	1033.29	1033.54	0.50%	12"	RCP	-

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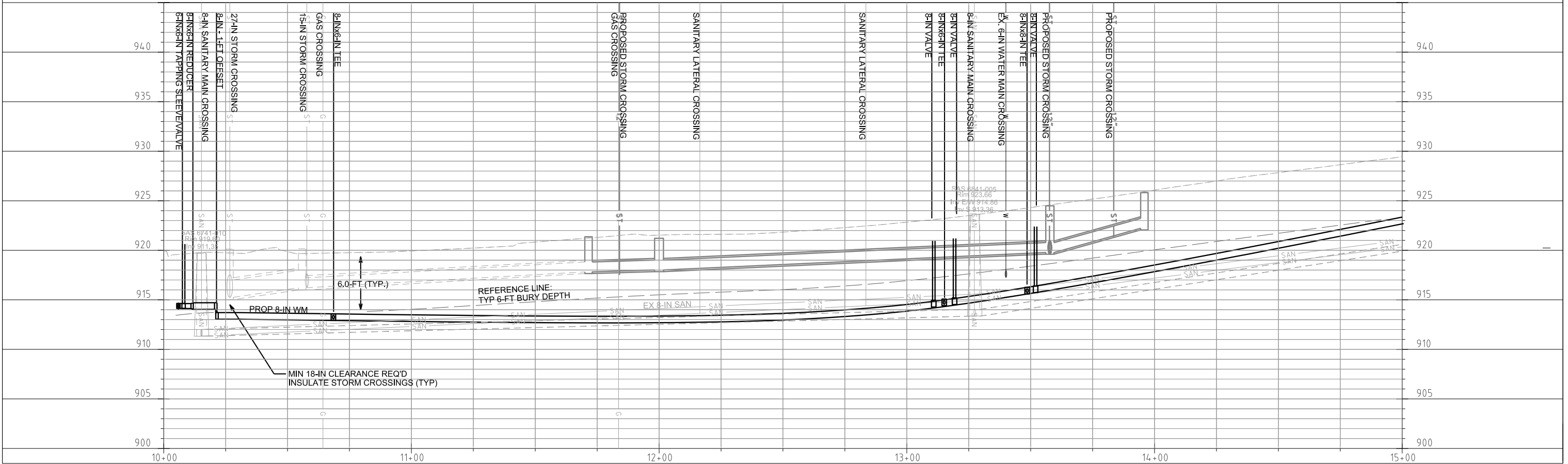


TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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.

MEMBER
ONE CALL SYSTEMS INTERNATIONAL

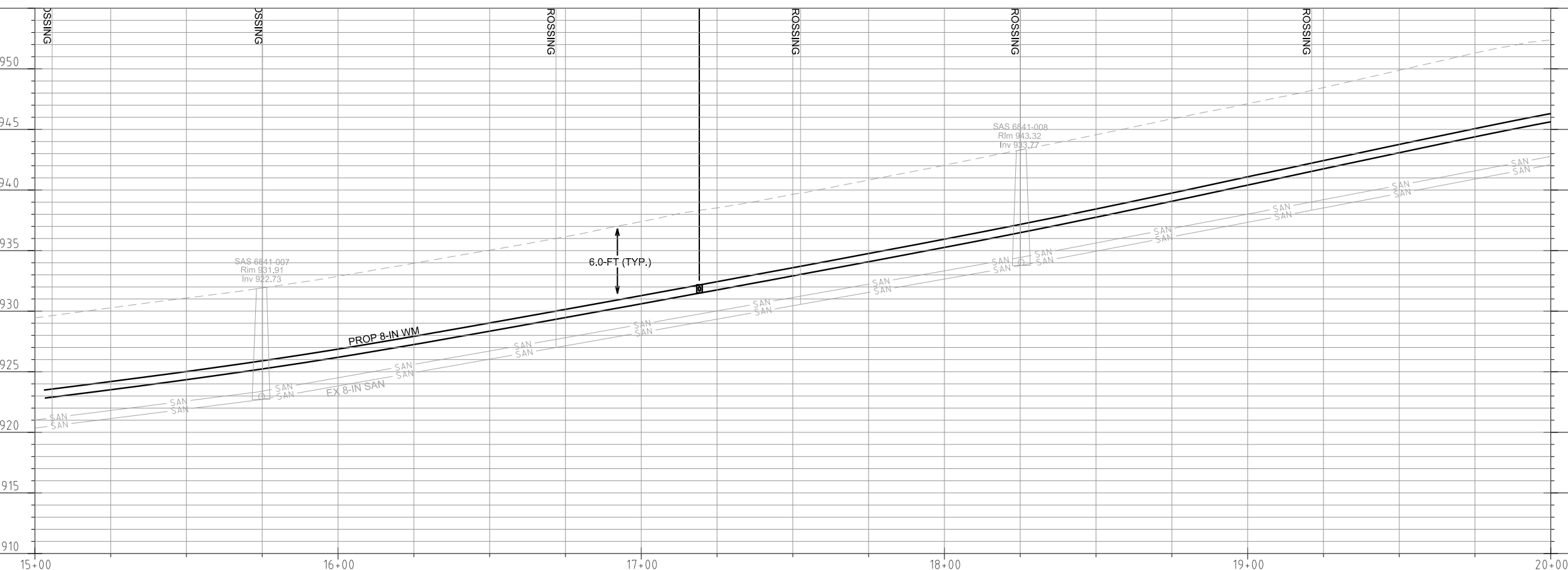


CITY OF MADISON

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FILE NAME: M:\DESIGN\Projects\53W1522\Agate\Water\Design\AgateWU-PnP##2.dgn

DATE: 3/11/2013



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081029401015
COVANCE LABORATORIES, INC.
3301 & 3305 & 3402 & 2101 KINSMAN BLVD

REMOVE EX. 10-IN MJ PLUG & CONNECT TO EX. 10-INx6-IN TEE (2) 10-IN 90° BENDS TO MATCH EX. WM

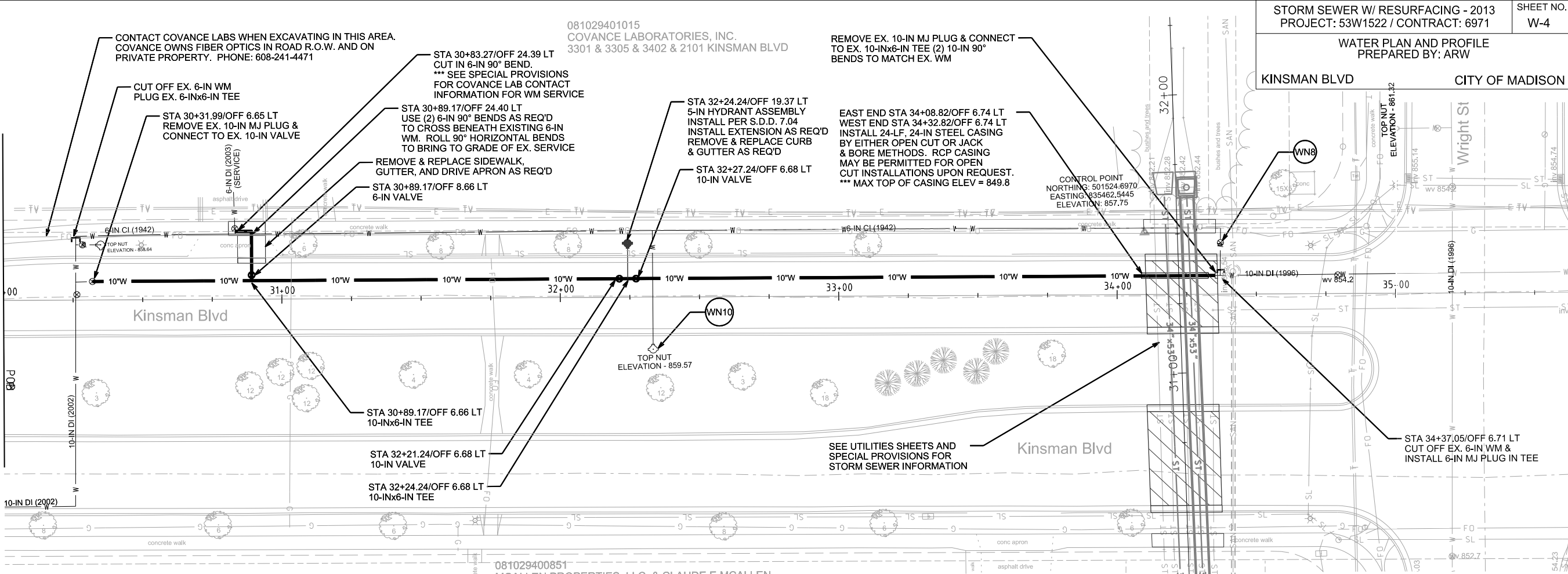
STORM SEWER W/ RESURFACING - 2013
PROJECT: 53W1522 / CONTRACT: 6971

SHEET NO.
W-4

WATER PLAN AND PROFILE
PREPARED BY: ARW

KINSMAN BLVD CITY OF MADISON

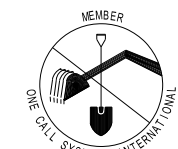
MATCHLINE STA 30+00.00



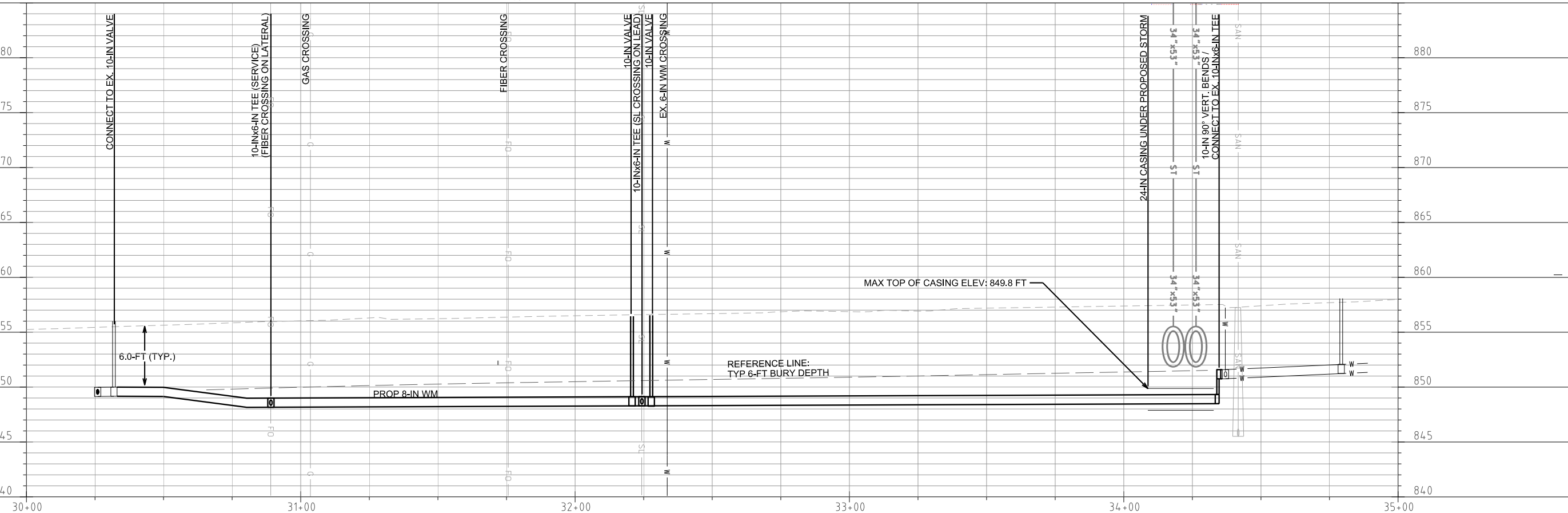
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081029400851
MCALLEN PROPERTIES, LLC. & CLAUDE E MCALLEN
1902 WRIGHT ST



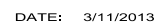
WHITCOMB DR CITY OF MADISON

MATCHLINE STA 55+00.00

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FOR HEARING IMPAIRED) 1-800-542-2289

CONTROL POINT - CP1
NORTHING: 470518.2780
EASTING: 797330.9205
ELEVATION: 1018.95

070931104297
ARNY, DEANE & EDITH
& REVOCABLE TRUST
5401 WHITCOMB DR



CITY OF MADISON



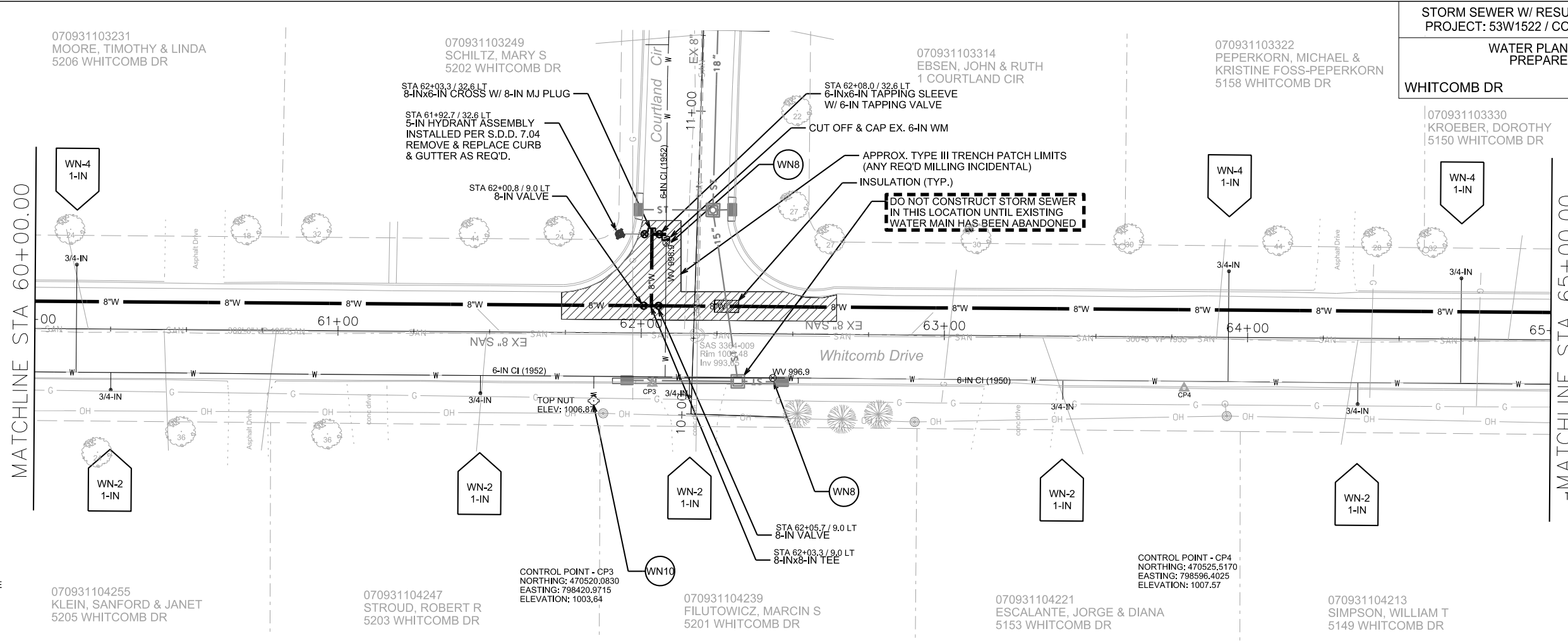
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KROEBER, DOROTHY
5150 WHITCOMB DR

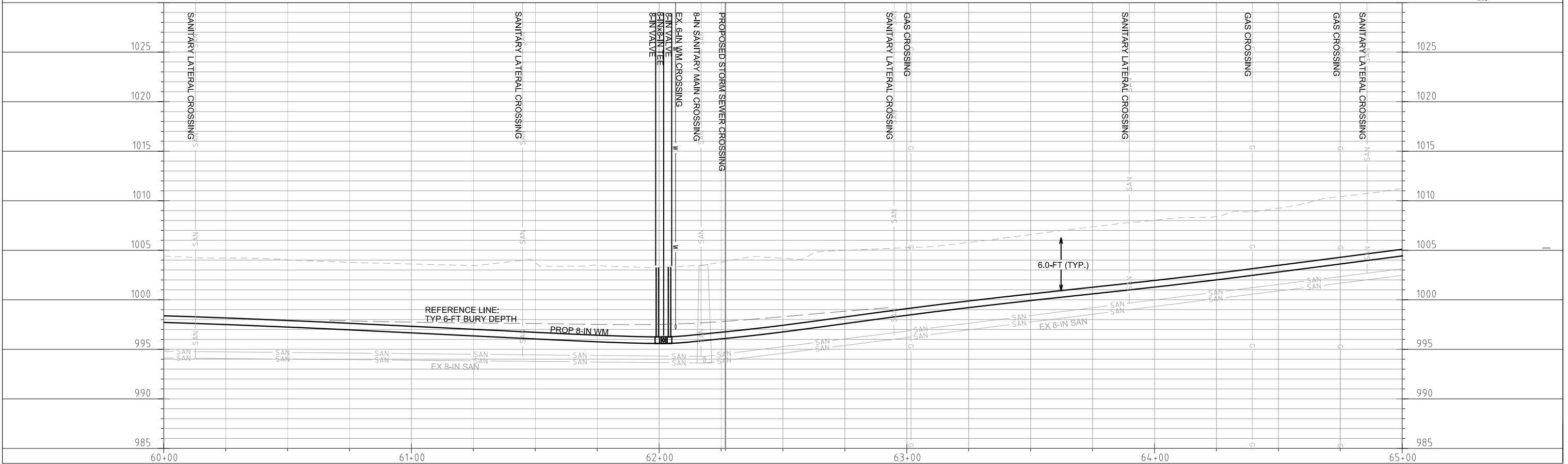
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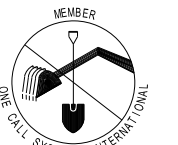
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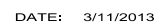
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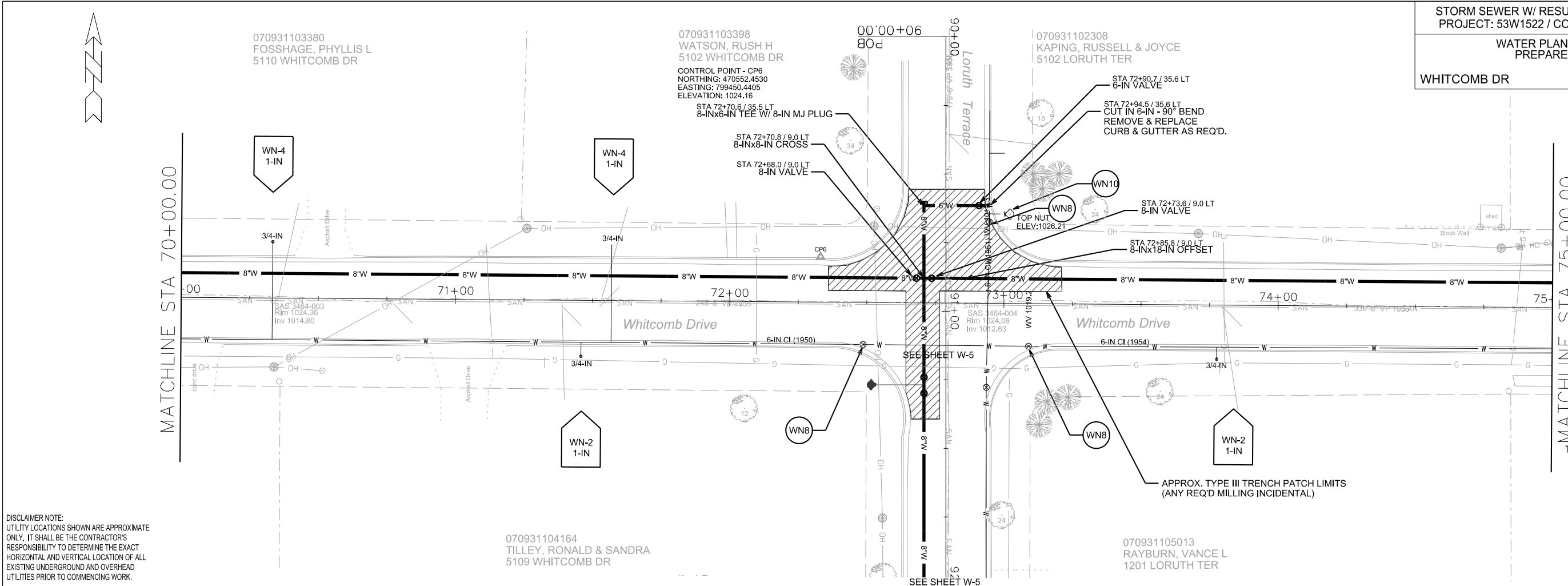


CITY OF MADISON



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MAYLAND REV TR, EDWARD J
5117 WHITCOMB DR



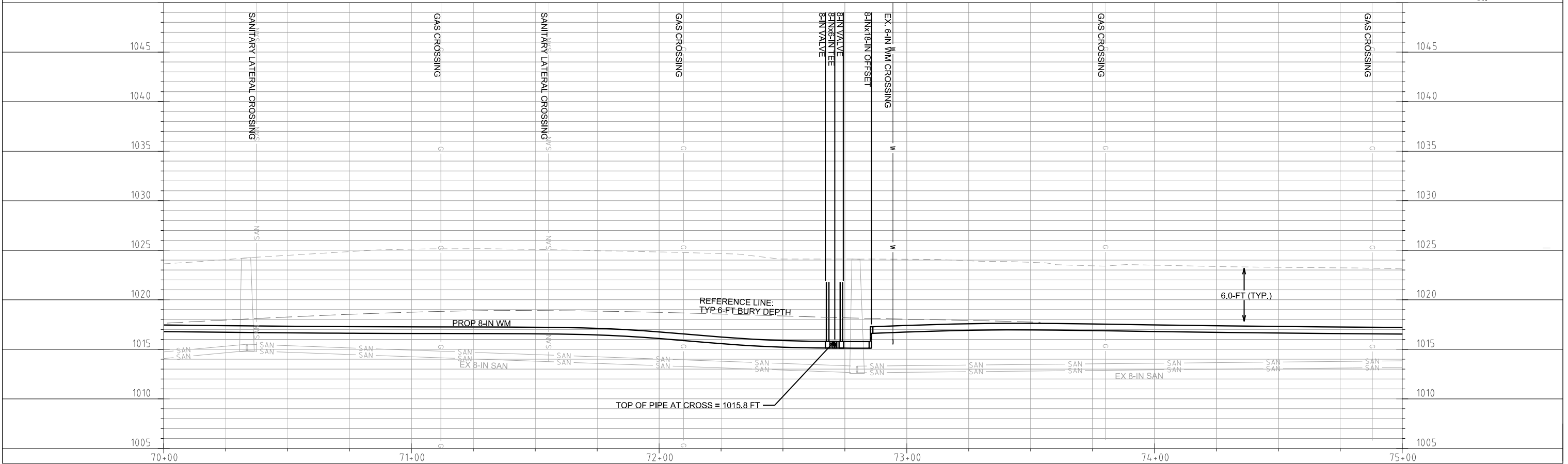
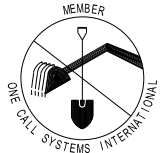


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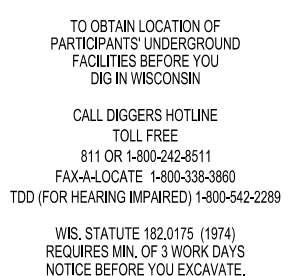
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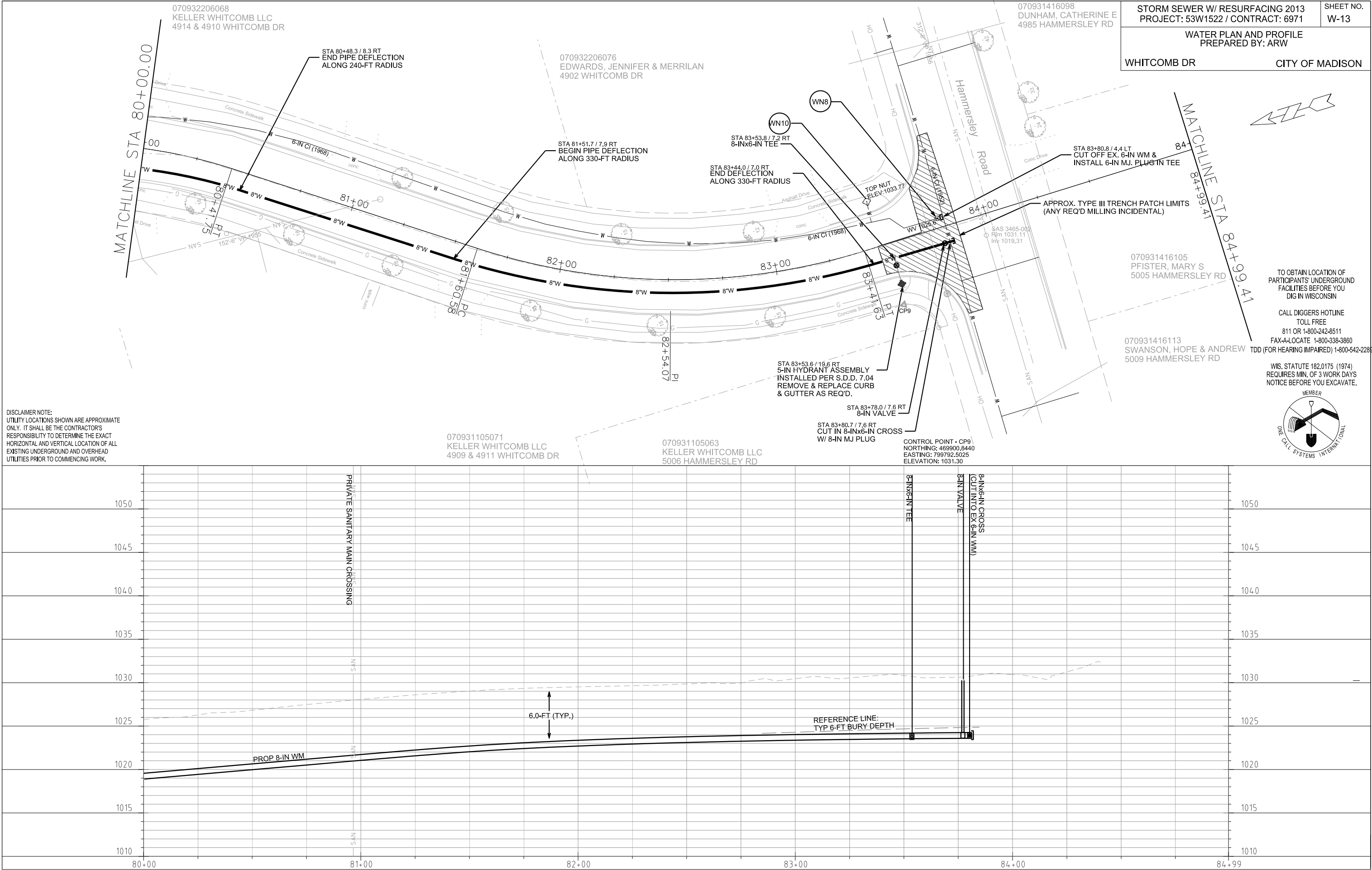
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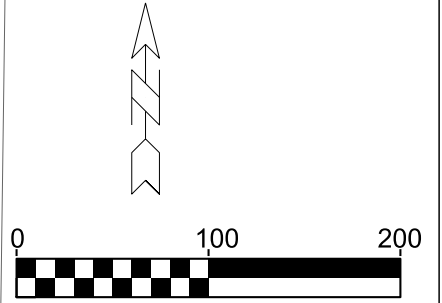
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WHITCOMB DR CITY OF MADISON







PLUG 10-IN X 6-IN TEE AT ABADONMENT

ISOLATING VALVES:
V-8 - MEADOWLARK AT AGATE (10")
V-9 - AGATE AT MEADOWLARK (6")
V-3 - JADE AT MEADOWLARK (6")
V-5 - MEADOWLARK AT JADE (10")
NEW 8" VALVE - AGATE AT MEADOWLARK (8")

NOTIFY:
NONE

CUT-IN CONNECTION

ISOLATING VALVES:
V-8 - MEADOWLARK AT AGATE (10")
V-9 - AGATE AT MEADOWLARK (6")
V-3 - JADE AT MEADOWLARK (6")
V-5 - MEADOWLARK AT JADE (10")

NOTIFY:
NONE

CUT OFF & CAP EX. 6-IN WM

ISOLATING VALVES:
V-7 - ACEWOOD AT AGATE (8")
V-6 - AGATE AT ACEWOOD (CLOSED)
V-5 - ACEWOOD AT FLINT (8")
NEW 8" VALVE - AGATE AT ACEWOOD (8")

NOTIFY:
201-218 ACEWOOD BLVD

CUT & CAP EX 6-IN MAIN

ISOLATING VALVES:
-V-10 - HUMMINGBIRD AT AGATE (6")
-V-2 - JADE AT HUMMINGBIRD (6")
-V-1 - HUMMINGBIRD AT JADE (6")

NOTIFY:
HUMMINGBIRD LN: 221, 226, 230,234

CUT-IN CONNECTION AT EX 6-IN WM

ISOLATING VALVES:
-V-10 - HUMMINGBIRD AT AGATE (6")
-V-2 - JADE AT HUMMINGBIRD (6")
-V-1 - HUMMINGBIRD AT JADE (6")

NOTIFY:
HUMMINGBIRD LN: 221, 226, 230,234

PLOT SCALE: _____

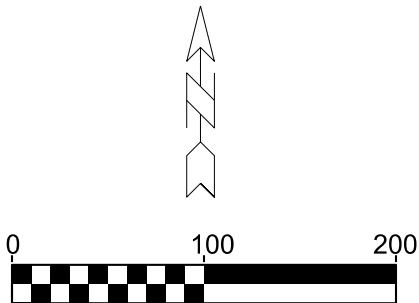
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

EXISTING WATER SYSTEM
CONSTRUCTION IMPACT PLAN

KINSMAN BLVD CITY OF MADISON



CUT OFF EX. 6-IN WM

ISOLATING VALVES:
V-36 - KINSMAN AT HOFFMAN ST (10")
V-19 - KINSMAN AT WRIGHT (6")

NOTIFY:
3402 KINSMAN BLVD (COVANCE)

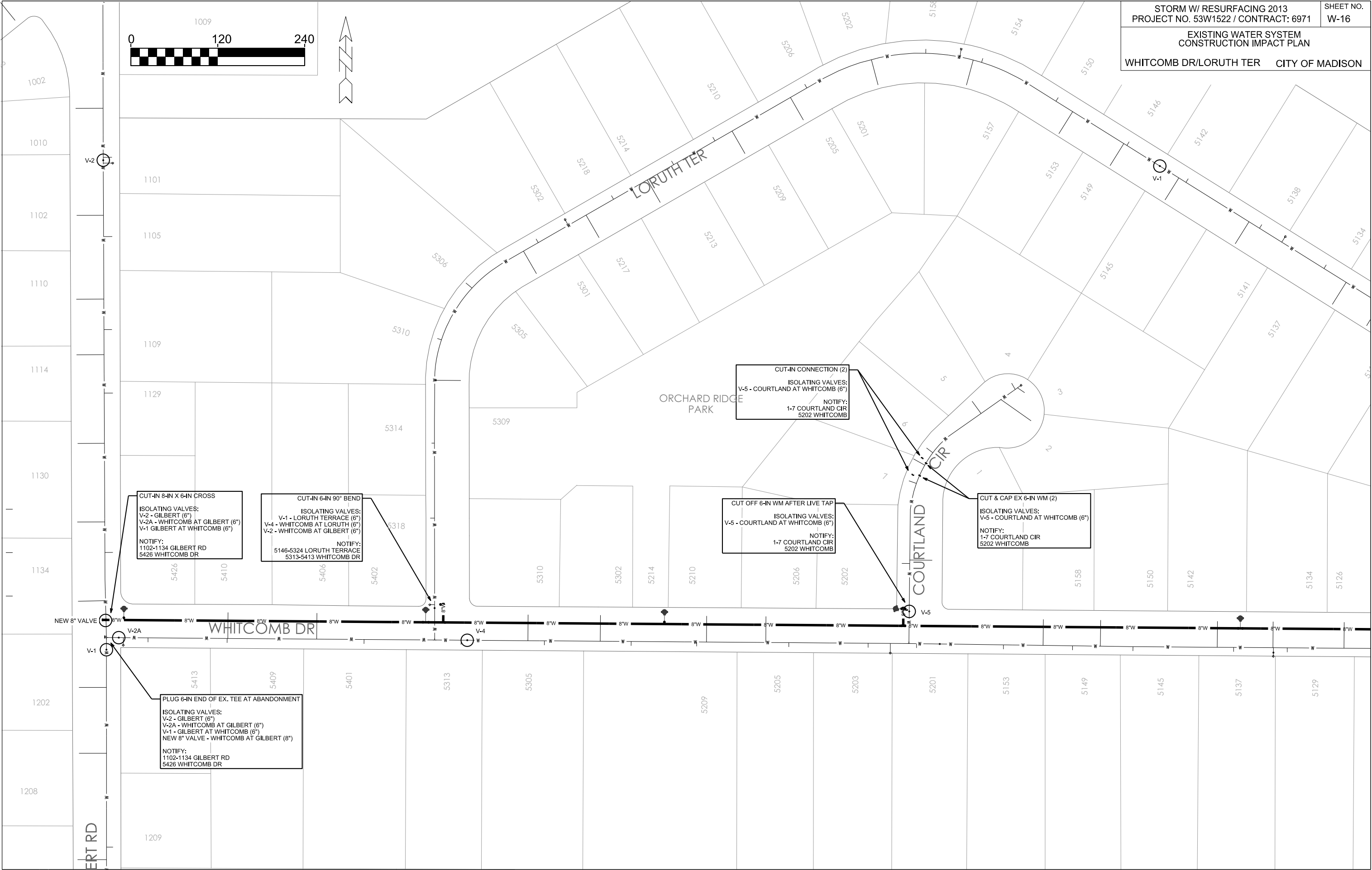
ISOLATING VALVES:
V-19 KINSMAN AT WRIGHT (6")
V-40 - KINSMAN AT WRIGHT (10")

NOTIFY:
NONE

PLUG REMOVAL CONNECTION AT EX 10-IN X 6-IN TEE

ISOLATING VALVES:
V-19 KINSMAN AT WRIGHT (6")
V-40 - KINSMAN AT WRIGHT (10")

NOTIFY:
NONE

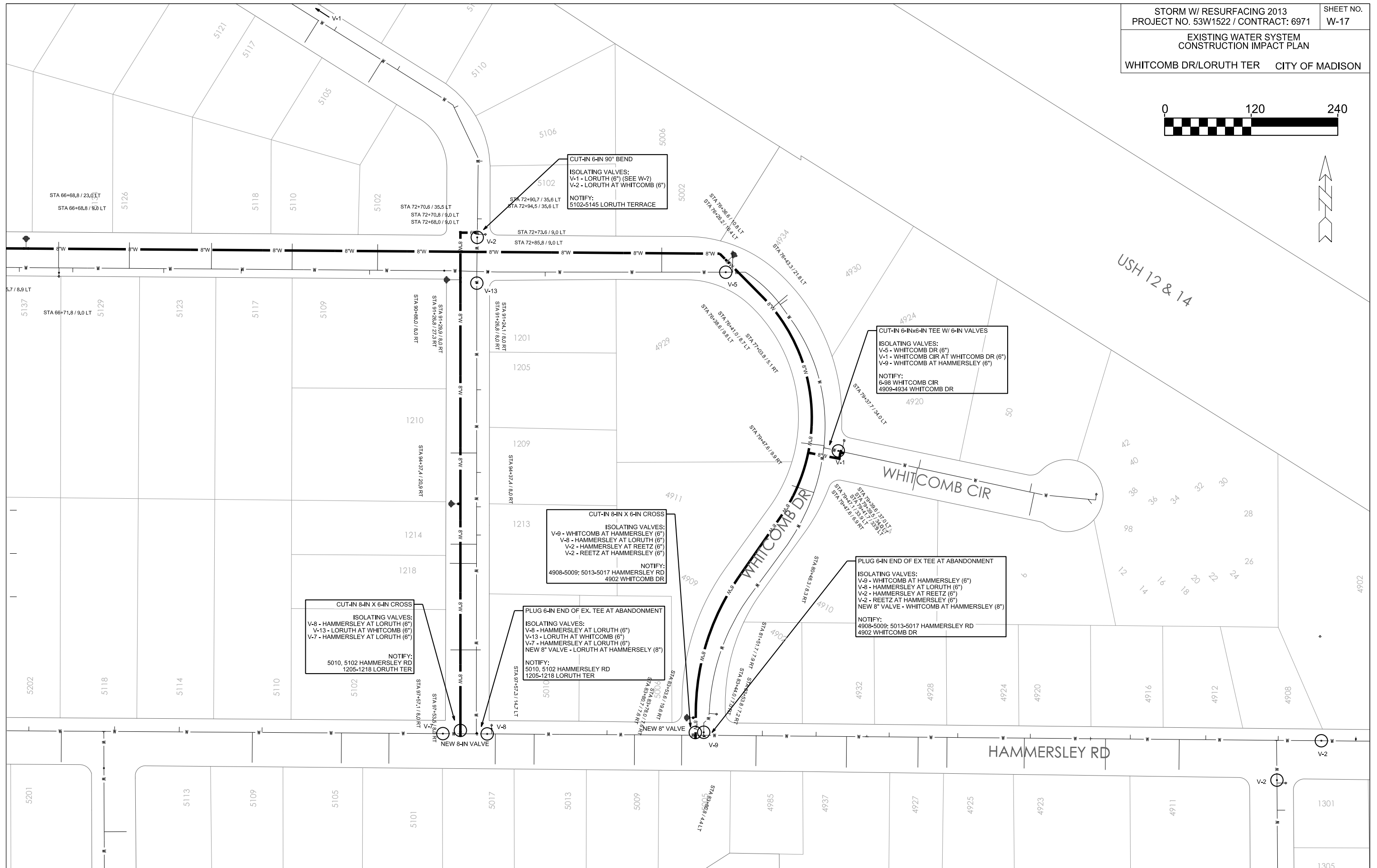


ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV. DATE: _____

PLOT NAME: _____

PLOT SCALE: _____



CONSTRUCTION NOTES:

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.

2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.

3. MINIMIZE DISTRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.

4. EXISTING WATER MAIN SHALL REMAIN IN SERVICE UNTIL NEW WATER MAIN IS TESTED AND ACCEPTED BY MADISON WATER UTILITY AND ALL SERVICES ARE RECONNECTED.

5. THE EXISTING UTILITIES SHOWN ON THIS PLAN REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. LOCATE EACH UTILITY PRIOR TO COMMENCING WORK.
- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN8 ABANDON THE VALVE BOX.
- WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN10 REMOVE/SALVAGE HYDRANT.
- WN11 REPLACE THE EXISTING COPPER SERVICE WITH A NEW COPPER SERVICE.

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.

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

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

KINSMAN BLVD:				AGATE LN:				WHITCOMB DR/LORUTH TER:				COMBINED TOTAL:			
45	LF	6-IN	WATER MAIN	70	LF	6-IN	WATER MAIN	190	LF	6-IN	WATER MAIN	305	LF	6-IN	WATER MAIN
410	LF	10-IN	WATER MAIN	1080	LF	8-IN	WATER MAIN	4090	LF	8-IN	WATER MAIN	5170	LF	8-IN	WATER MAIN
24	LF	24-IN	DIAM CASING	1265	LF	POLYWRAP		4705	LF	POLYWRAP		410	LF	10-IN	WATER MAIN
500	LF	POLY-WRAP										24	LF	24-IN	DIAM CASING
												6470	LF	POLYWRAP	
1	EA	5-IN	HYDRANT	4	EA	5-IN	HYDRANTS	9	EA	5-IN	HYDRANTS	14	EA	5-IN	HYDRANTS
1	EA	HYDRANT	EXTENSION	1	EA	HYDRANT	EXTENSION	3	EA	HYDRANT	EXTENSIONS	5	EA	HYDRANT	EXTENSIONS
1	EA	6-IN	VALVE & BOX	3	EA	6-IN	VALVES & BOXES	10	EA	6-IN	VALVES & BOXES	14	EA	6-IN	VALVES & BOXES
2	EA	10-IN	VALVES & BOXES	4	EA	8-IN	VALVES & BOXES	17	EA	8-IN	VALVES & BOXES	21	EA	8-IN	VALVES & BOXES
												2	EA	10-IN	VALVES & BOXES
2	EA	6-IN	MJ PLUGS	1	EA	6-IN	MJ PLUG	3	EA	6-IN	MJ PLUGS	6	EA	6-IN	MJ PLUGS
3	EA	6-IN	90-DEG BENDS	1	EA	6-IN	MJ CAP	1	EA	6-IN	MJ CAP	2	EA	6-IN	MJ CAP
2	EA	10-IN	90-DEG BENDS	2	EA	6-IN	90-DEG BENDS	3	EA	6-IN	90-DEG BENDS	8	EA	6-IN	90-DEG BENDS
2	EA	10-INx6-IN	TEES	5	EA	8-INx6-IN	TEES	1	EA	6-INx6-IN	TEE	1	EA	6-INx6-IN	TEE
				3	EA	8-IN	MJ PLUGS	11	EA	8-INx6-IN	TEES	16	EA	8-INx6-IN	TEES
				1	EA	8-INx12-IN	OFFSET	4	EA	8-INx6-IN	CROSSES	4	EA	8-INx6-IN	CROSSES
24	LF	STYROFOAM	INSULATION	1	EA	8-INx8-IN	TEE	7	EA	8-IN	MJ PLUGS	10	EA	8-IN	MJ PLUGS
				1	EA	10-INx8-IN	CROSS	1	EA	8-IN	45-DEG BEND	1	EA	8-IN	45-DEG BEND
								2	EA	8-INx18-IN	OFFSETS	1	EA	8-INx12-IN	OFFSET
				40	LF	STYROFOAM	INSULATION	2	EA	8-INx8-IN	TEES	2	EA	8-INx18-IN	OFFSETS
				200	LF	1-IN	COPPER TUBING	1	EA	8-INx8-IN	CROSS	3	EA	8-INx8-IN	TEES
												1	EA	8-INx8-IN	CROSS
								16	LF	STYROFOAM	INSULATION	1	EA	10-INx8-IN	CROSS
								540	LF	1-IN	COPPER TUBING	2	EA	10-IN	90-DEG BENDS
								15	LF	2-IN	COPPER TUBING	2	EA	10-INx6-IN	TEES
												80	LF	STYROFOAM	INSULATION
												740	LF	1-IN	COPPER TUBING
												25	LF	2-IN	COPPER TUBING
												AS NEEDED		VALVE BOX	EXTENSIONS

MATERIALS SUPPLIED BY CITY:

2	EA	6-INx6-IN	TAPPING SLEEVES
2	EA	6-IN	TAPPING VALVES

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.

