

Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

JANUARY 6, 2015

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

*[Signature]* 1/23/15  
City Engineer Date

INDEX OF SHEETS

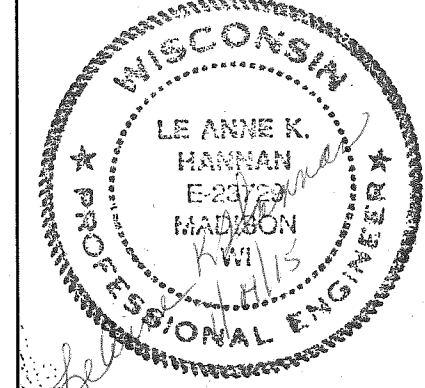
SHEET NO.	TITLE
1	DETAILS
D1	EROSION CONTROL PLANS
EC1-EC3	STREET PLAN & PROFILES
P1-P3	UTILITY PLAN & PROFILES
U1-U3	SANITARY SEWER SCHEDULES
U4	STORM SEWER SCHEDULES
U5	WATER PLAN & PROFILES
W1-W3	WATER DETAILS & MATERIALS ESTIMATE
W4	WATER SYSTEM IMPACT PLAN
W5	CROSS SECTIONS
X1-X10	Rain Gardens

## S. OWEN DRIVE ASSESSMENT DISTRICT-2015

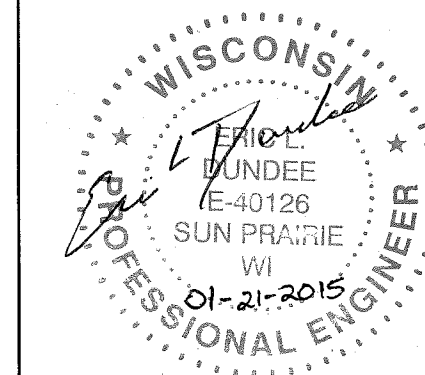
CITY PROJECT NO. 53W1856 MUNIS NO. 10621

CITY CONTRACT NO. 7419

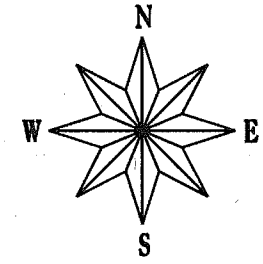
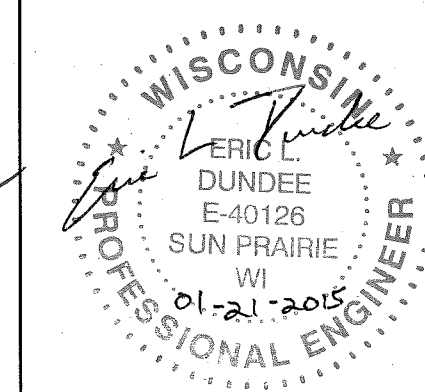
STREET DESIGNED BY:



SANITARY SEWER DESIGNED BY:



STORM SEWER DESIGNED BY:

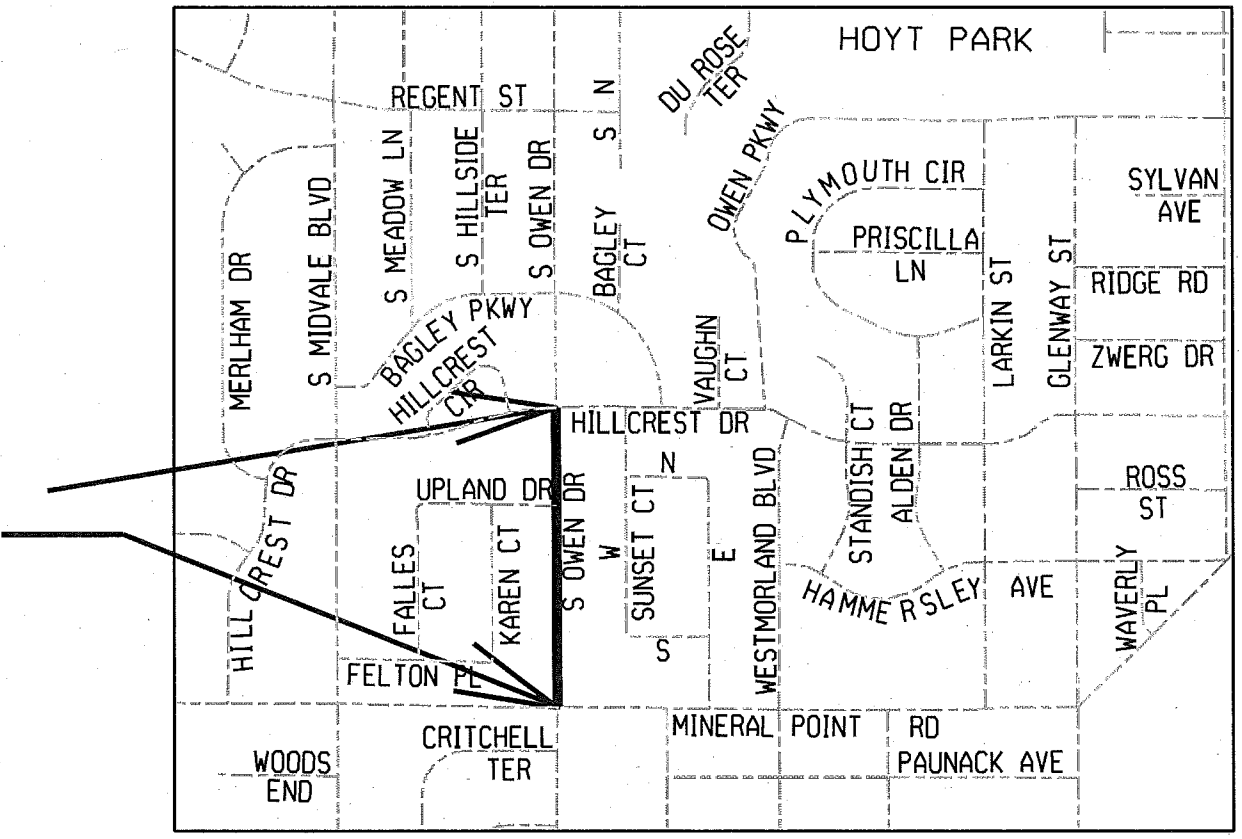


CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS	G
STORM SEWER	ST
SANITARY SEWER	SAN
WATER	W
OVERHEAD ELECTRIC	OH
POWER POLE	φ
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	[Symbol]
COMBUSTIBLE FLUIDS	[Symbol]

## CONSTRUCTION PROJECT LOCATION



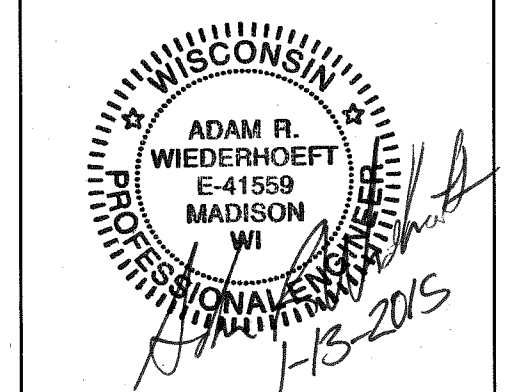
NOTES:

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%.

EARTH WORK SUMMARY:  
 EXCAVATION CUT (MEASURED PLAN QUANTITY)..... 1973 C.Y.  
 ESTIMATED UNDISTRIBUTED UNDERCUT..... 1483 C.Y.  
 TOTAL UNCLASSIFIED EXCAVATION CUT..... 3456 C.Y.

WATER DESIGNED BY:



PLOT SCALE:

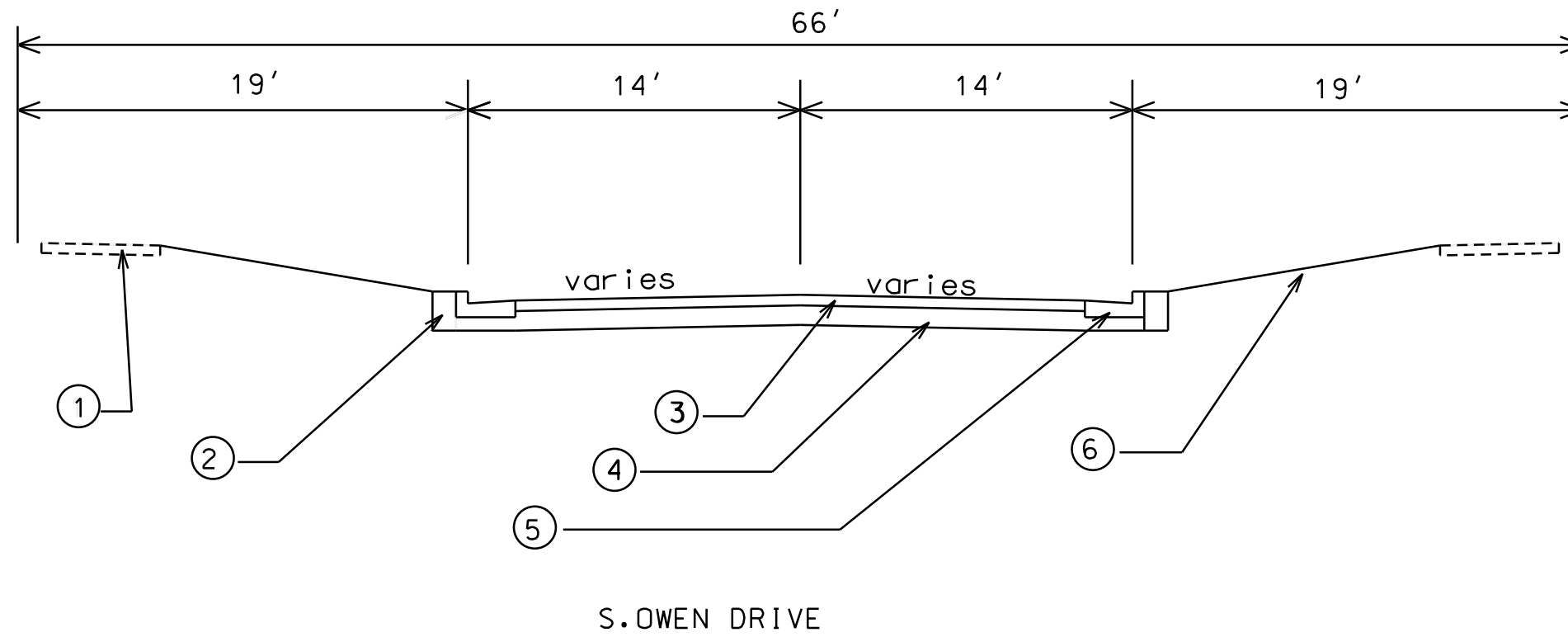
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

TYPICAL SECTIONS

S. OWEN DRIVE

CITY OF MADISON



- ① EX. 5" CONC. SW
- ② FILL
- ③ 4-1/4" HMA PAV'T TYPE 1
- ④ 4" C.A.B.C.GR. 2  
6" C.A.B.C.GR. 1
- ⑤ TYPE A CONC. C&G
- ⑥ 4" TOPSOIL, SEED & MATTING

LEVELS ON - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

PLOT SCALE:

PLOT NAME:

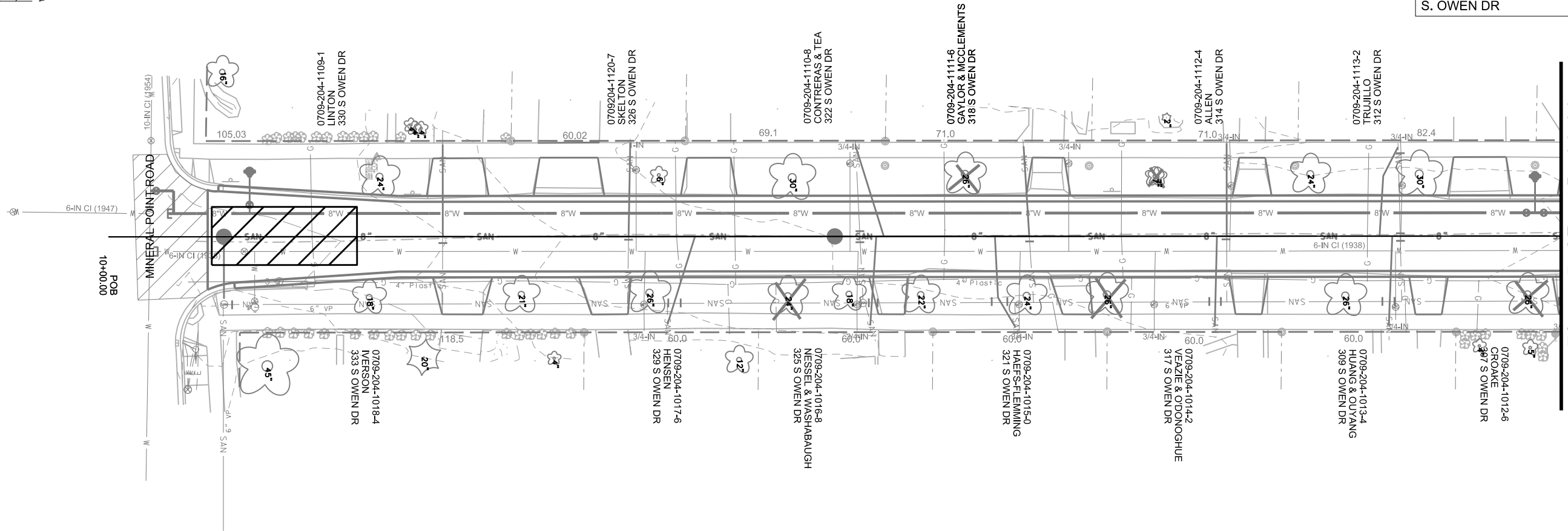
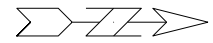
REV. DATE:

ORIGINATOR:

EROSION CONTROL PLAN

S. OWEN DR

CITY OF MADISON

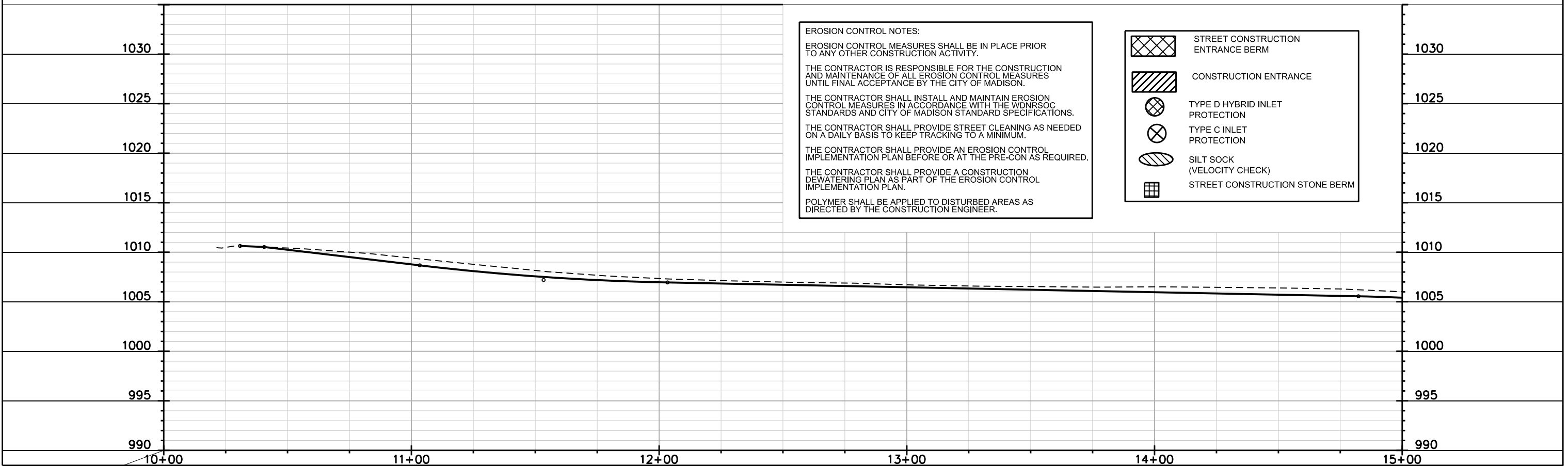


MATCHLINE STA 15+00.00

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**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.

THE CONTRACTOR SHALL PROVIDE AN EROSION CONTROL IMPLEMENTATION PLAN BEFORE OR AT THE PRE-CON AS REQUIRED.

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

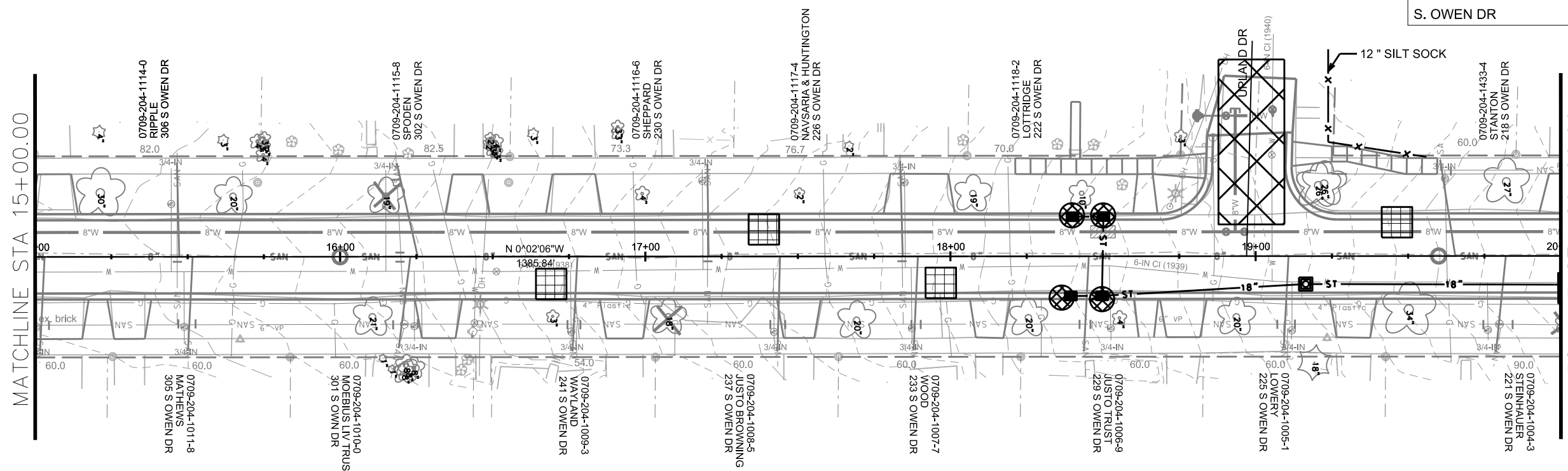
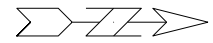
POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  TYPE D HYBRID INLET PROTECTION
-  TYPE C INLET PROTECTION
-  SILT SOCK (VELOCITY CHECK)
-  STREET CONSTRUCTION STONE BERM

EROSION CONTROL PLAN

S. OWEN DR

CITY OF MADISON



MATCHLINE STA 15+00.00

MATCHLINE STA 20+00.00

**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.

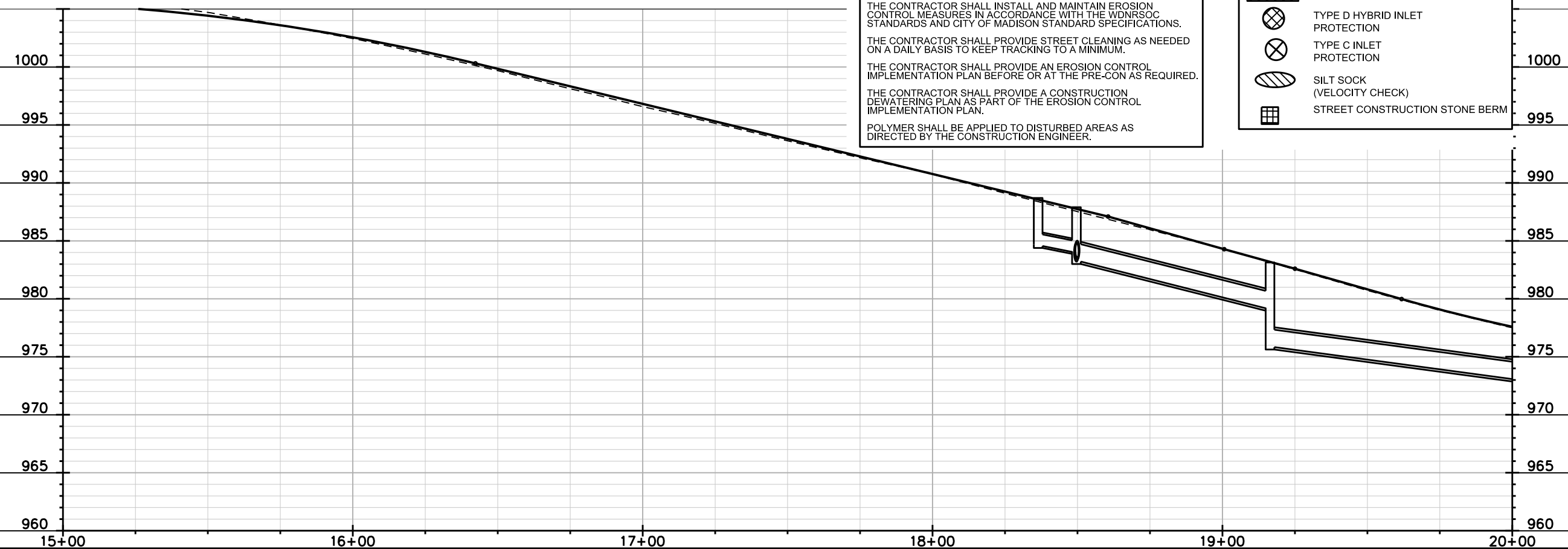
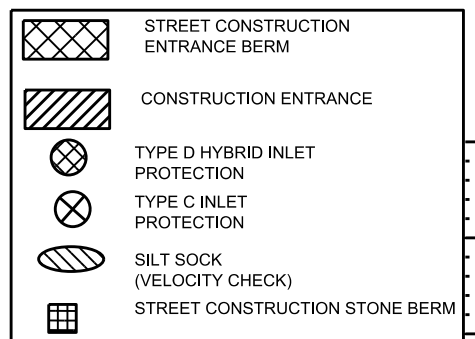
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

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

THE CONTRACTOR SHALL PROVIDE AN EROSION CONTROL IMPLEMENTATION PLAN BEFORE OR AT THE PRE-CON AS 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.



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

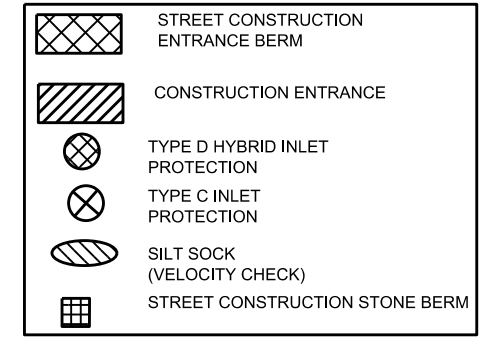
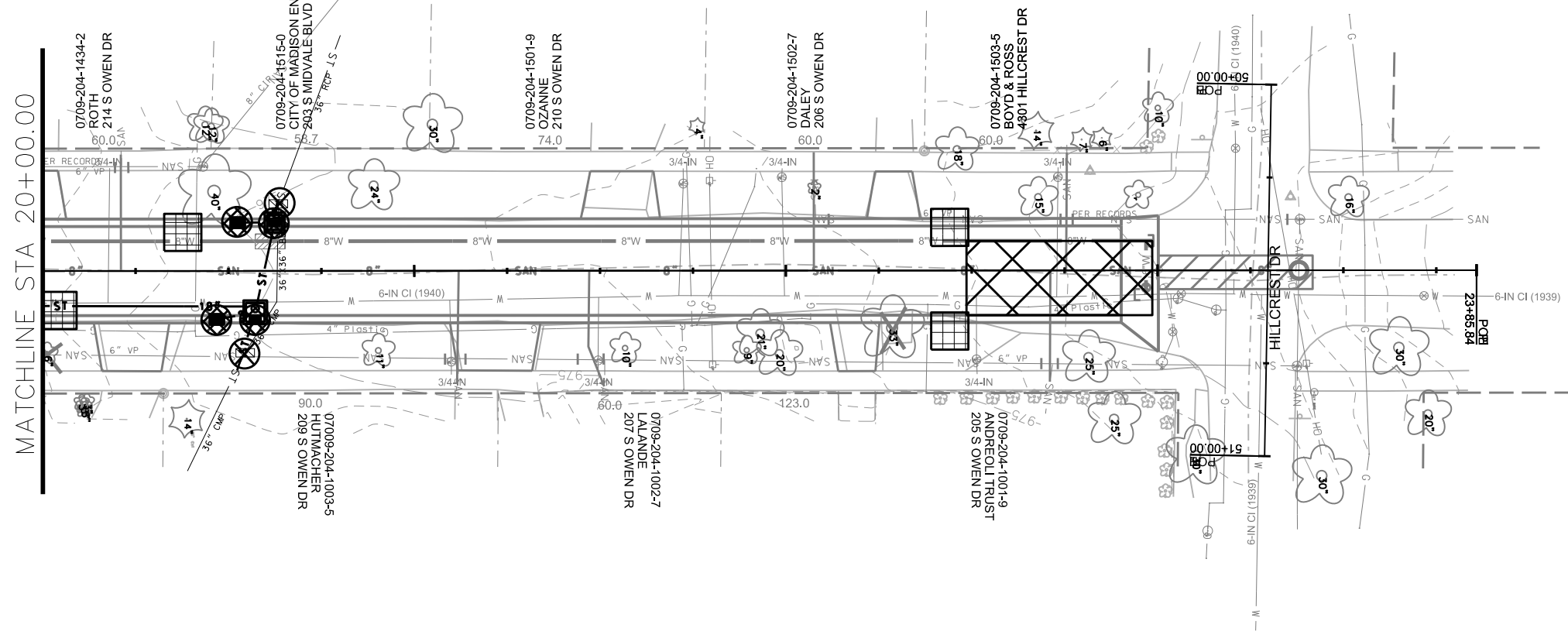
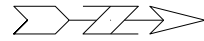
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

EROSION CONTROL PLAN

S. OWEN 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.

THE CONTRACTOR SHALL PROVIDE AN EROSION CONTROL IMPLEMENTATION PLAN BEFORE OR AT THE PRE-CON AS 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.

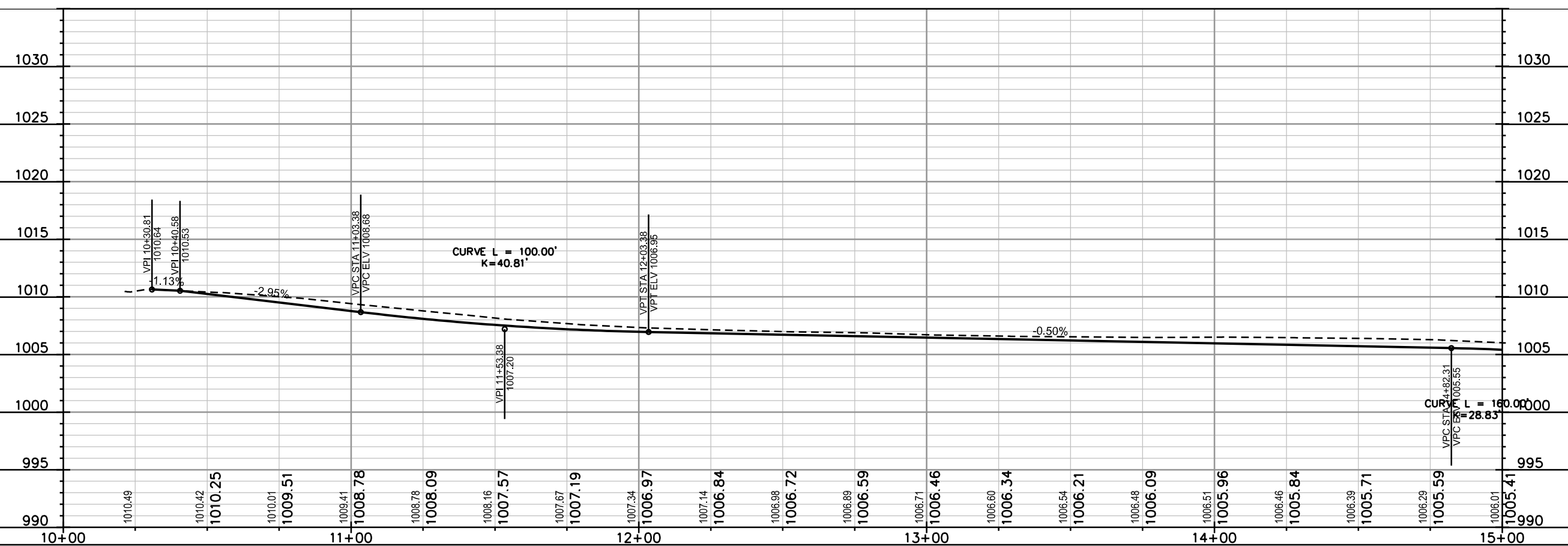
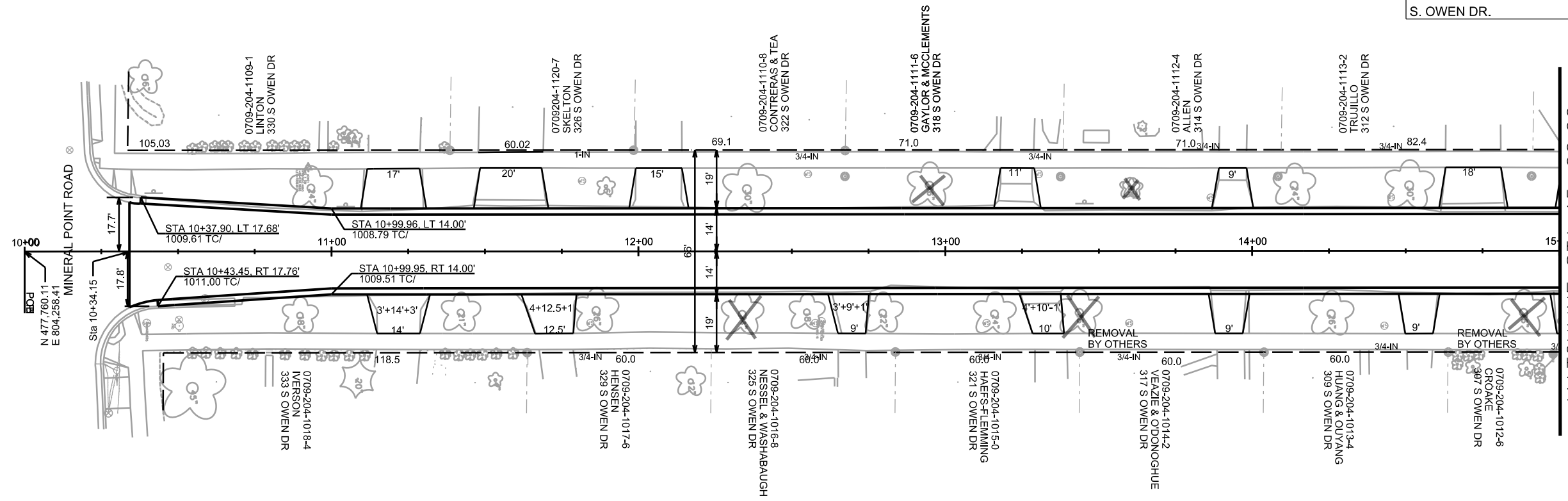


PLOT SCALE: \_\_\_\_\_

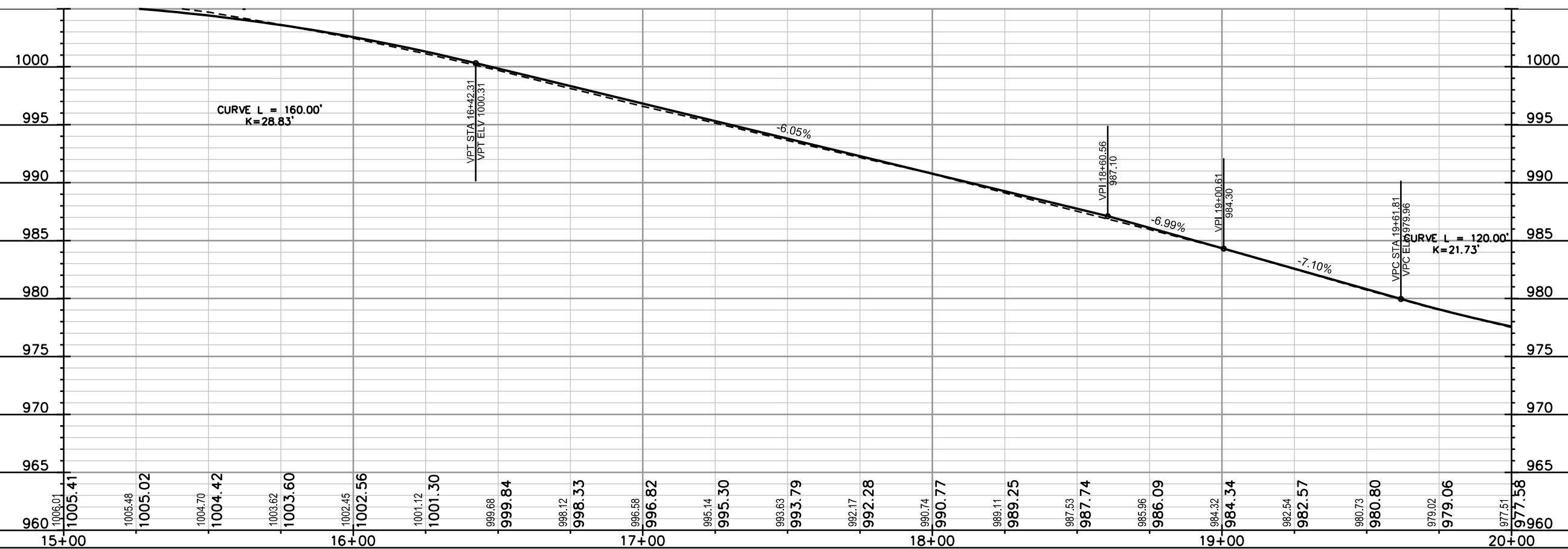
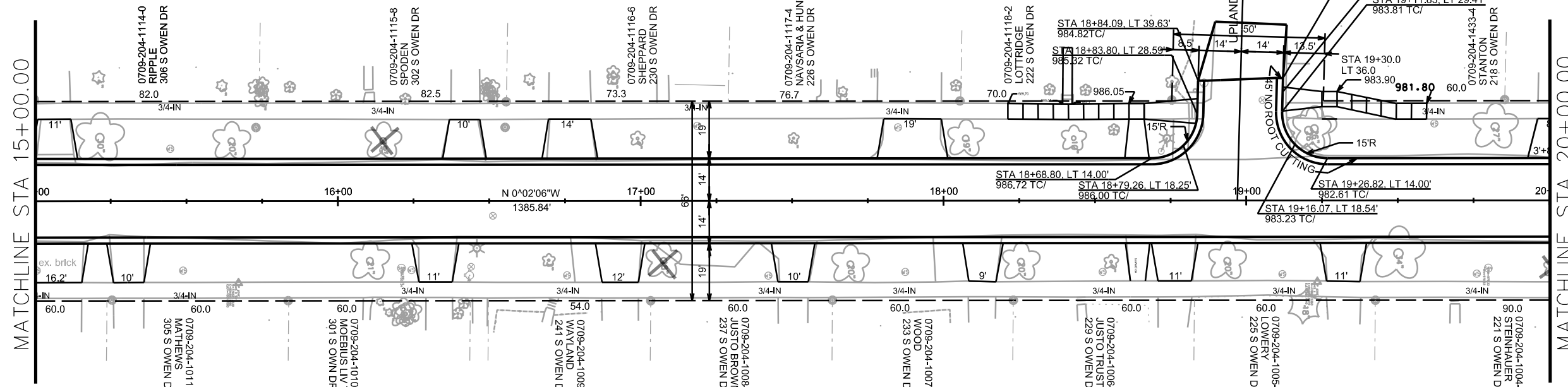
PLOT NAME: \_\_\_\_\_

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLAN AND PROFILE  
S. OWEN DR. CITY OF MADISON



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

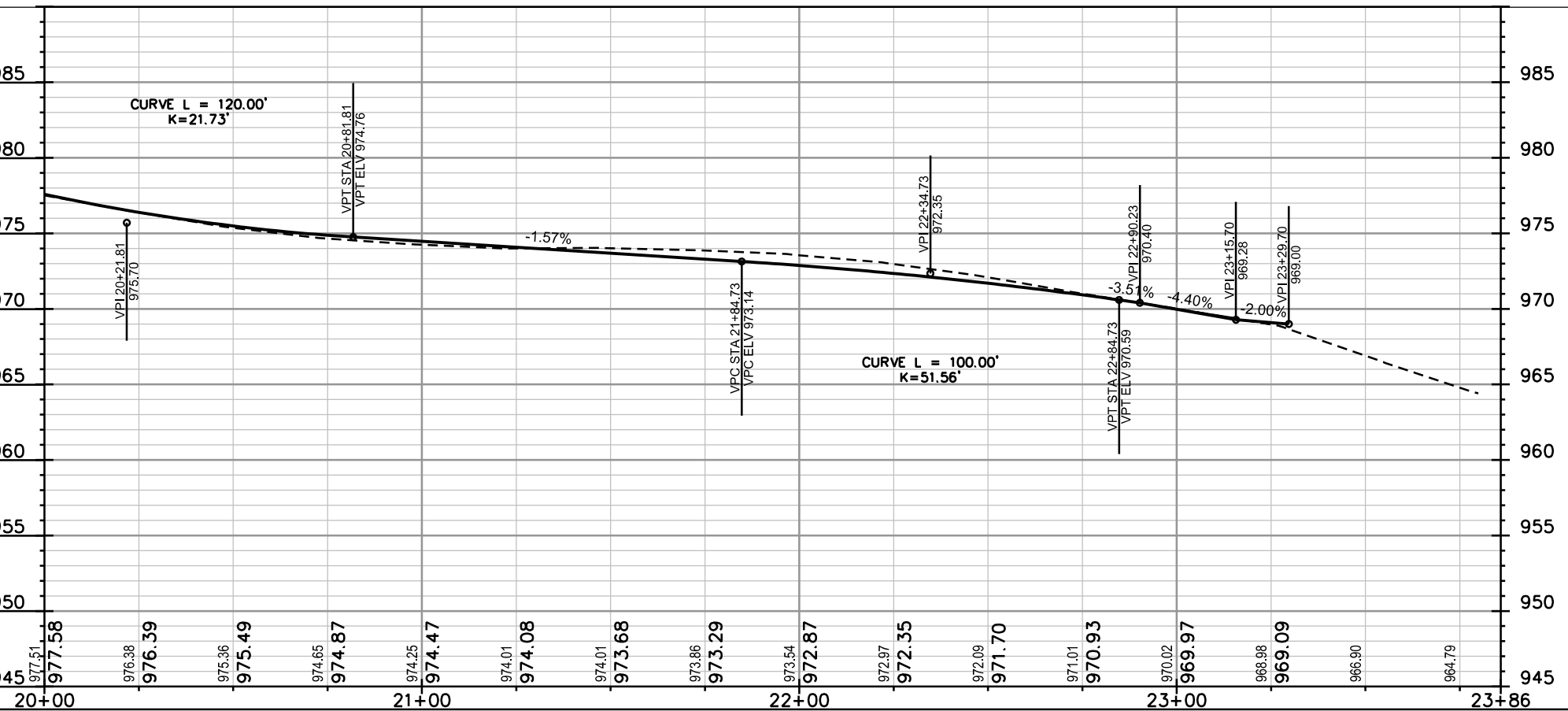
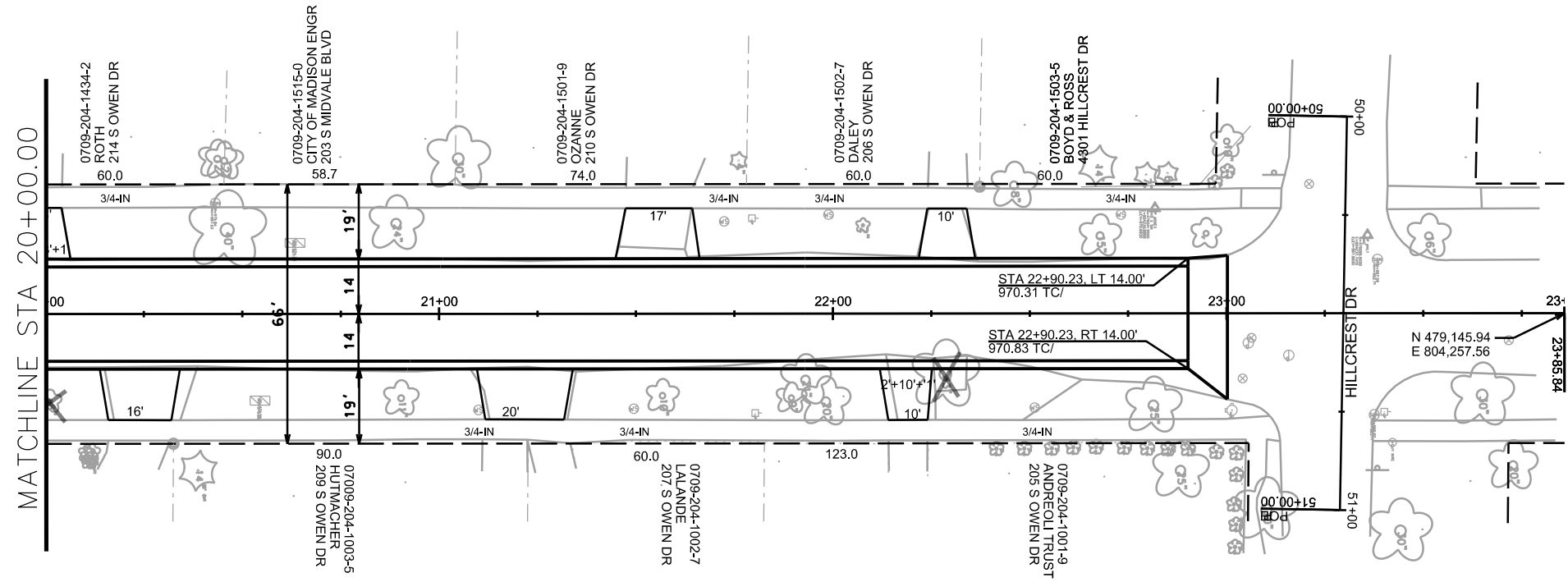
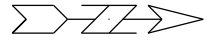
PLOT NAME: \_\_\_\_\_

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

S OWEN DR. CITY OF MADISON



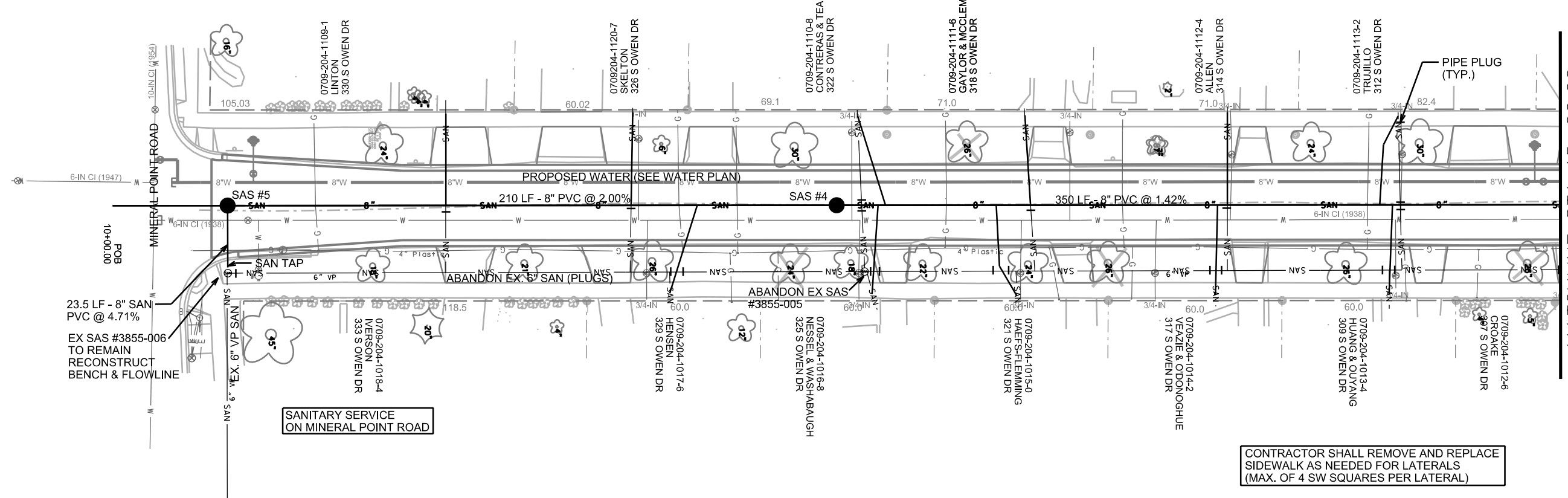
PLOT SCALE: \_\_\_\_\_

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





23.5 LF - 8\"/>

EX SAS #3855-006  
TO REMAIN  
RECONSTRUCT  
BENCH & FLOWLINE

SANITARY SERVICE  
ON MINERAL POINT ROAD

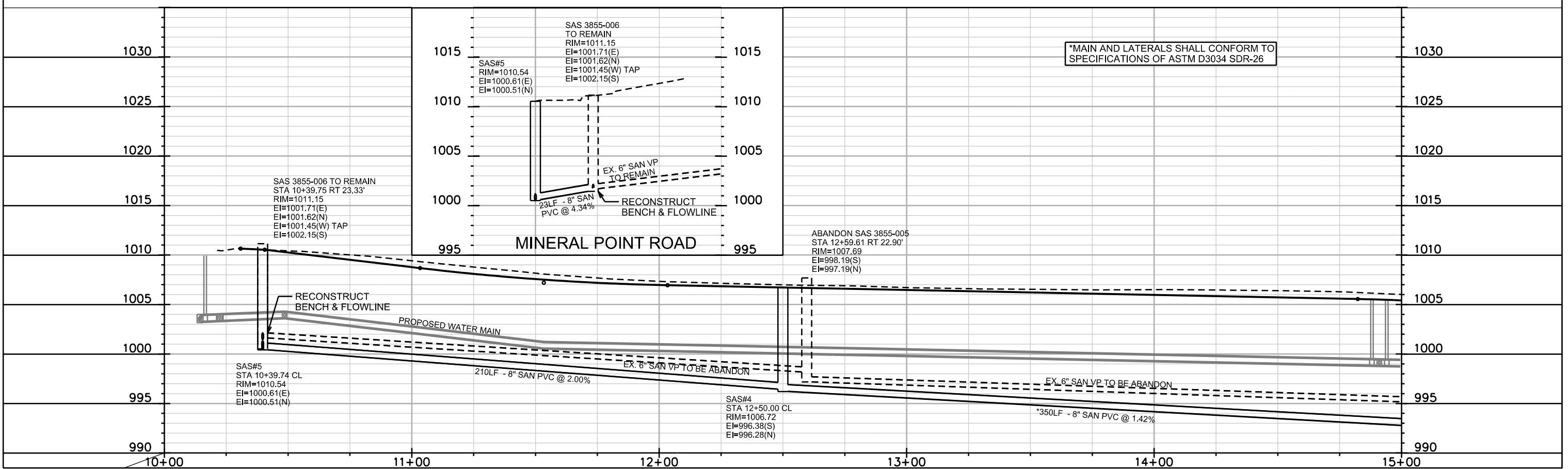
CONTRACTOR SHALL REMOVE AND REPLACE  
SIDEWALK AS NEEDED FOR LATERALS  
(MAX. OF 4 SW SQUARES PER LATERAL)

MATCHLINE STA 15+00.00

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



\*MAIN AND LATERALS SHALL CONFORM TO  
SPECIFICATIONS OF ASTM D3034 SDR-26

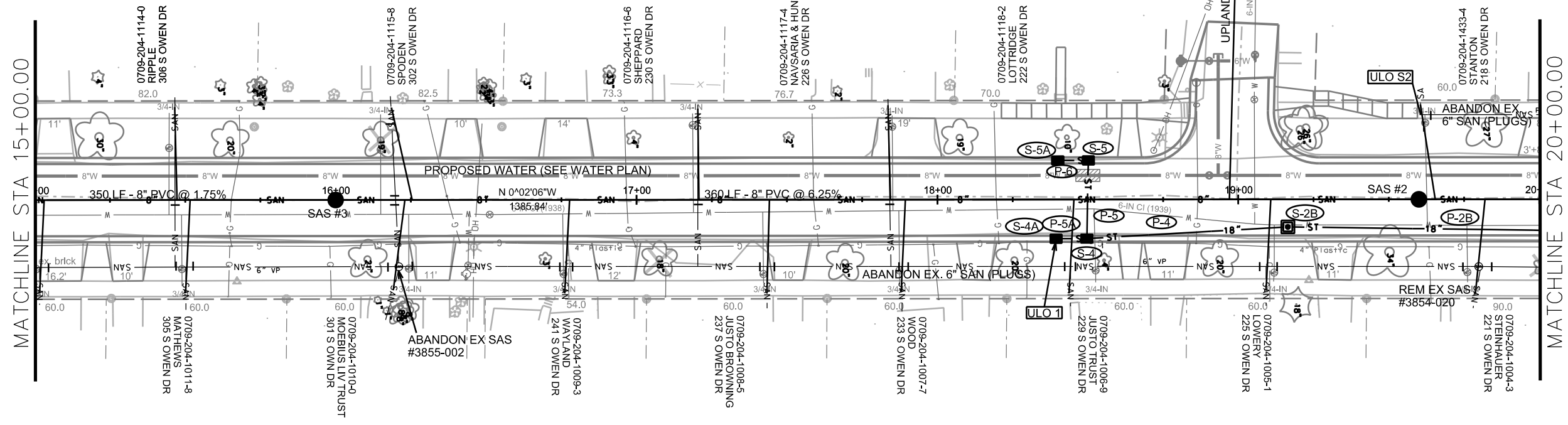
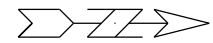
SAS 3855-006 TO REMAIN  
STA 10+39.75 RT 23.33'  
RIM=1011.15  
EI=1001.71(E)  
EI=1001.62(N)  
EI=1001.45(W) TAP  
EI=1002.15(S)

SAS 3855-006  
TO REMAIN  
RIM=1011.15  
EI=1001.71(E)  
EI=1001.62(N)  
EI=1001.45(W) TAP  
EI=1002.15(S)

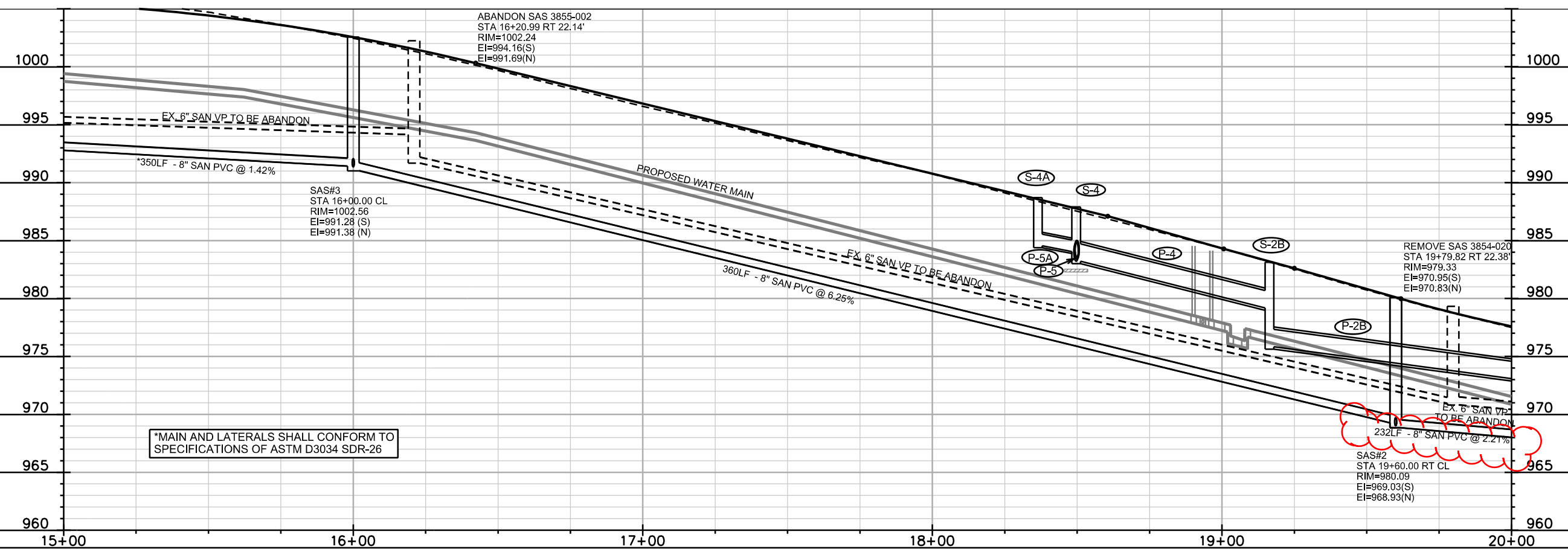
ABANDON SAS 3855-005  
STA 12+59.61 RT 22.90'  
RIM=1007.69  
EI=998.19(S)  
EI=997.19(N)

SAS#5  
STA 10+39.74 CL  
RIM=1010.54  
EI=1000.61(E)  
EI=1000.51(N)

SAS#4  
STA 12+50.00 CL  
RIM=1006.72  
EI=996.38(S)  
EI=996.28(N)

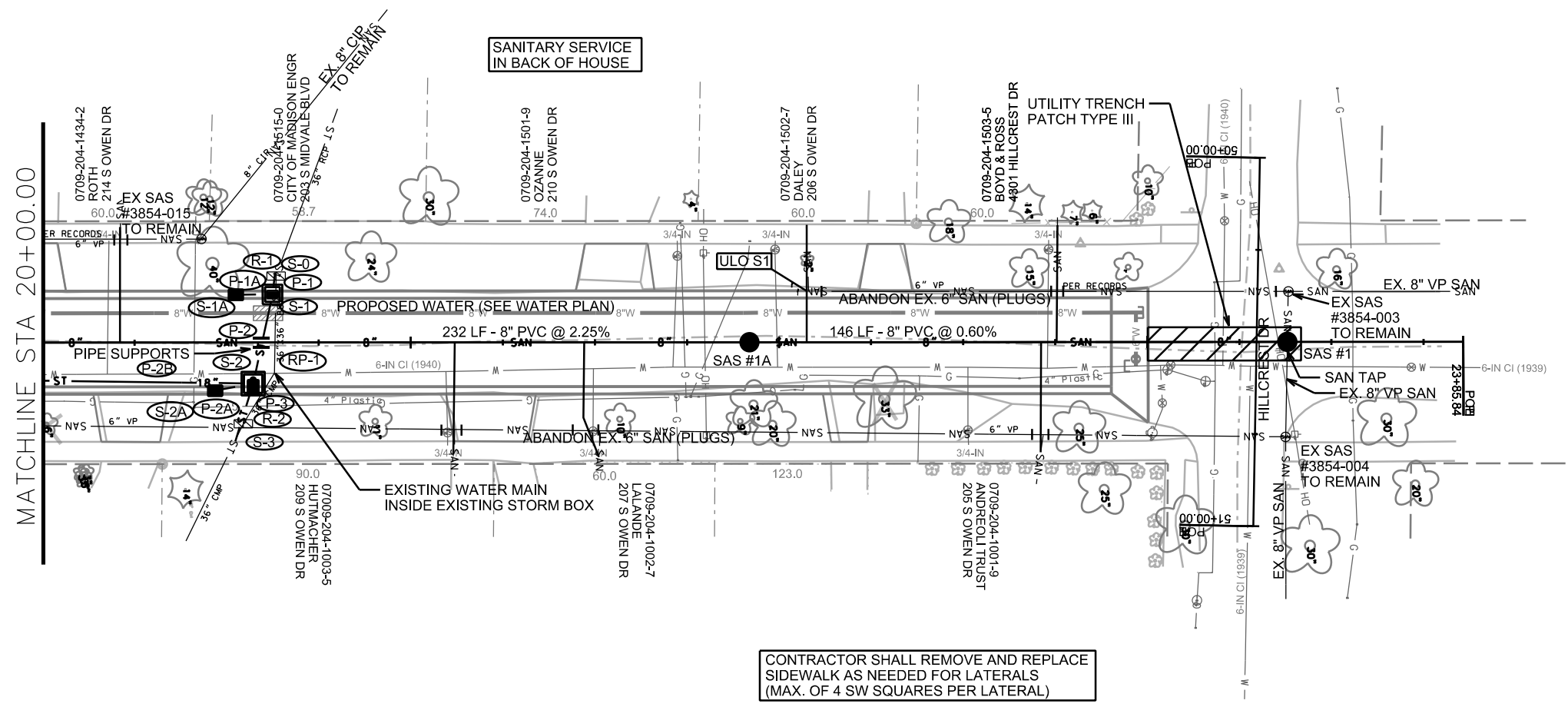


CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX. OF 4 SW SQUARES PER LATERAL)

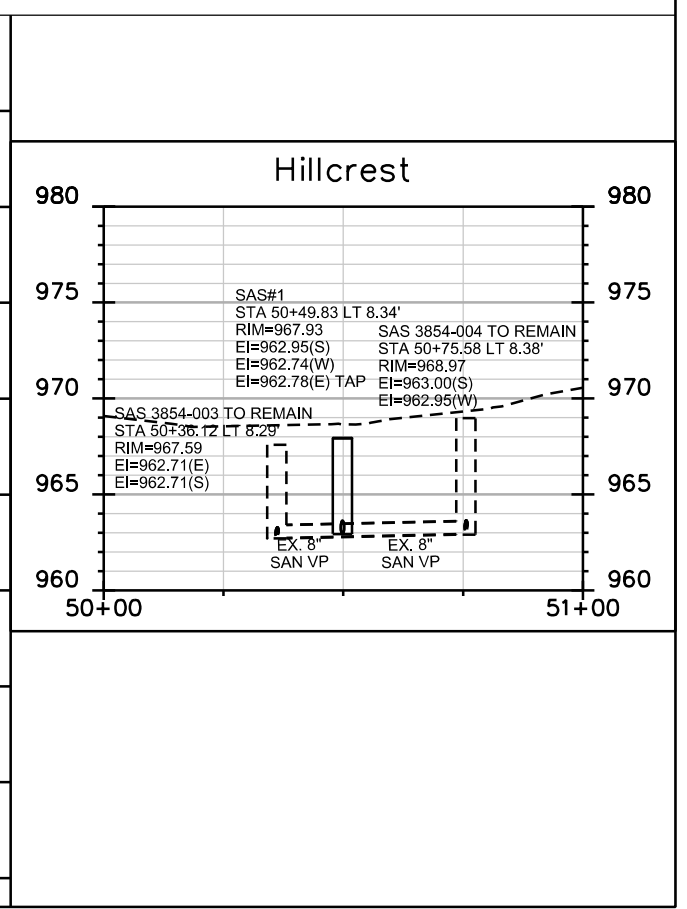
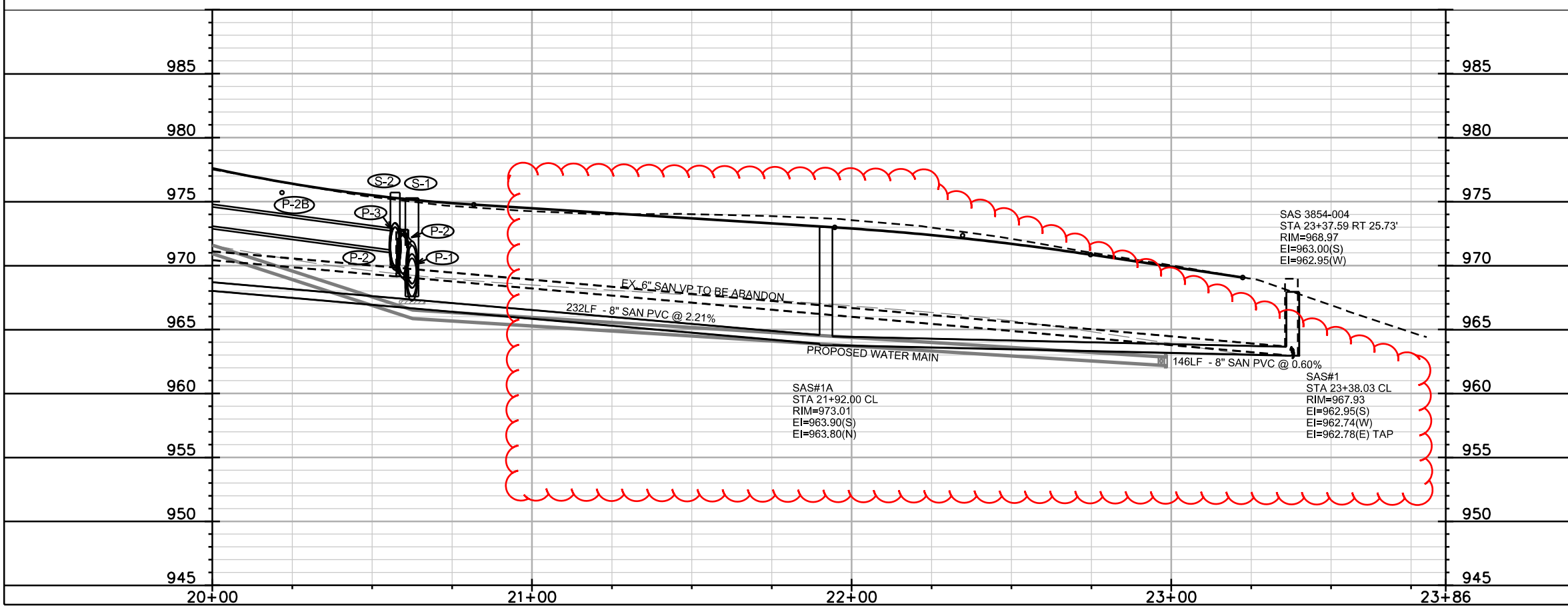


\*MAIN AND LATERALS SHALL CONFORM TO SPECIFICATIONS OF ASTM D3034 SDR-26

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



CONTRACTOR SHALL REMOVE AND REPLACE  
SIDEWALK AS NEEDED FOR LATERALS  
(MAX. OF 4 SW SQUARES PER LATERAL)



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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

# SANITARY SEWER SCHEDULE

REVISED 04/08/2015 ELD

S. OWEN DR ASSMT DISTRICT-2015  
PROJECT NO. 53W1856

SHEET NO.  
U-4

SANITARY SEWER SCHEDULE  
S. OWEN DR CITY OF MADISON

## PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS#1	23+38.03	CL	967.93	962.74	5.19	CONNECT TO EXISTING 8" VP
<b>SAS#1A</b>	<b>21+92.00</b>	<b>CL</b>	<b>973.01</b>	<b>963.80</b>	<b>9.21</b>	-
SAS#2	19+60.00	CL	980.09	968.93	11.16	-
SAS#3	16+00.00	CL	1002.56	991.28	11.28	-
SAS#4	12+50.00	CL	1006.72	996.28	10.44	-
SAS#5	10+39.74	CL	1010.54	1000.51	10.03	-

## PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
* SAS#1	<b>SAS#1A</b>	962.95	<b>963.80</b>	<b>146.0</b>	<b>0.60%</b>	8"	SDR-35	VERIFY EXISTING E.I.
* <b>SAS#1A</b>	<b>SAS#2</b>	<b>963.9</b>	<b>968.93</b>	<b>232</b>	<b>2.21%</b>	<b>8"</b>	<b>SDR-35</b>	-
SAS#2	SAS#3	969.03	991.28	360.0	6.25%	8"	SDR-35	-
SAS#3	SAS#4	991.38	996.28	350.0	1.42%	8"	SDR-26	-
SAS#4	SAS#5	996.38	1000.51	210.5	2.00%	8"	SDR-35	-
SAS#5	SAS 3855-006	1000.61	1001.45	23.0	4.34%	8"	SDR-35	-

## SANITARY STRUCTURE ABANDONMENTS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS 3855-002	16+20.99	RT-22.14	1002.24	991.69	10.55	-
SAS 3855-005	12+59.61	RT-22.90	1007.69	997.19	10.50	-

## SANITARY STRUCTURE REMOVALS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS 3854-020	19+79.82	RT-22.38	979.33	970.83	8.50	-

## SANITARY SEWER ABANDONMENTS

FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	PIPE SIZE	TYPE	PAID (Y/N)	NOTES
SAS 3854-003	SAS 3854-016	130.5	6"	VP	N	-
SAS 3854-004	SAS 3854-020	358.0	6"	VP	N	-
SAS 3854-020	SAS 3855-002	359.0	6"	VP	N	-
SAS 3855-002	SAS 3855-005	361.5	6"	VP	N	-
SAS 3855-005	SAS 3855-006	220.0	6"	VP	N	-
SAS 3854-015	SAS 3854-017	83.0	6"	VP	N	-

## SANITARY SEWER ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ULO S1	22+08.00	LT-14.00	EX. SAN	VERIFY LATERAL DEPTH-964.28, MAIN - 963.71
ULO S2	19+60.00	LT-28.00	EX. SAN	VERIFY LATERAL DEPTH - 972.22

\*PLUGS SHALL BE INSTALLED AT ALL EXISTING SANITARY MAIN AND LATERAL CUTS. PLUGS WILL BE INCIDENTAL TO INSTALLATION OF PROPOSED SANITARY MAIN AND LATERALS.

# STORM SEWER SCHEDULE

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-0	20+64.10	LT-20.23	COLLAR	-	967.54	-	-
S-1	20+62.46	LT-13.07	4X4 SAS	975.28	967.57	7.71	W/R-3067-7004-V
S-1A	20+52.51	LT-13.00	H INLET	975.55	971.18	4.37	W/R-3067-7004-V
S-2	20+57.20	RT-11.11	6'X6' CATCHBASIN	975.70	970.00	5.70	FP, (1)
S-2A	20+46.87	RT-13.03	H INLET	975.87	972.04	3.83	W/R-3067-7004-V
S-2B	19+16.42	RT-9.13	3'X3' SAS	982.98	975.94	7.04	W/R-1550-0054
S-3	20+51.46	RT-28.64	COLLAR	-	970.00	-	-
S-4	18+49.64	RT-12.99	H INLET	987.90	983.40	4.50	FP, W/R-3067-7004-V
S-4A	18+39.44	RT-13.04	H INLET	988.51	984.46	4.05	W/R-3067-7004-V
S-5	18+50.14	LT-13.00	H INLET	987.75	983.75	4.00	W/R-3067-7004-V
S-5A	18+39.99	LT-12.98	H INLET	988.36	984.36	4.00	W/R-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
P-1	END	S-1	967.45	967.57	8	6	2.00%	36"	RCP	VERIFY E.I.
P-1A	S-1	S-1A	970.54	971.18	10	6.5	10.00%	12"	RCP	-
P-2	S-1	S-2	968.54	970.00	25	20	7.44%	36"	RCP	-
P-2A	S-2	S-2A	972.00	972.04	10.5	7.5	0.50%	12"	RCP	-
P-2B	S-2	S-2B	971.11	975.94	141	138	3.50%	18"	RCP	(1)
P-3	S-2	END	970.00	970.66	16.5	13.5	4.97%	36"	RCP	VERIFY E.I.
P-4	S-2B	S-4	979.00	983.40	67	64	6.89%	18"	RCP	-
P-5	S-4	S-5	983.40	983.75	26	24	1.46%	15"	RCP	-
P-5A	S-4	S-4A	983.9	984.46	10.5	7.5	7.85%	12"	RCP	-
P-6	S-5	S-5A	984	984.36	10.5	7.5	5.04%	12"	RCP	-

## REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
R-1	IN3854-002	20+54.49	RT-22.08	4X4 SAS	-
R-2	IN3854-003	20+63.47	LT-18.23	4X5 SAS	-

## REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
RP-1A	R-1	BEND	22	36"X36"	RCP BOX	Y	-
RP-1B	BEND	R-2	18.5	36"	CMP	Y	-

## STORM SEWER ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ULO 1	18+55.00	RT-14.00	GAS	-

**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

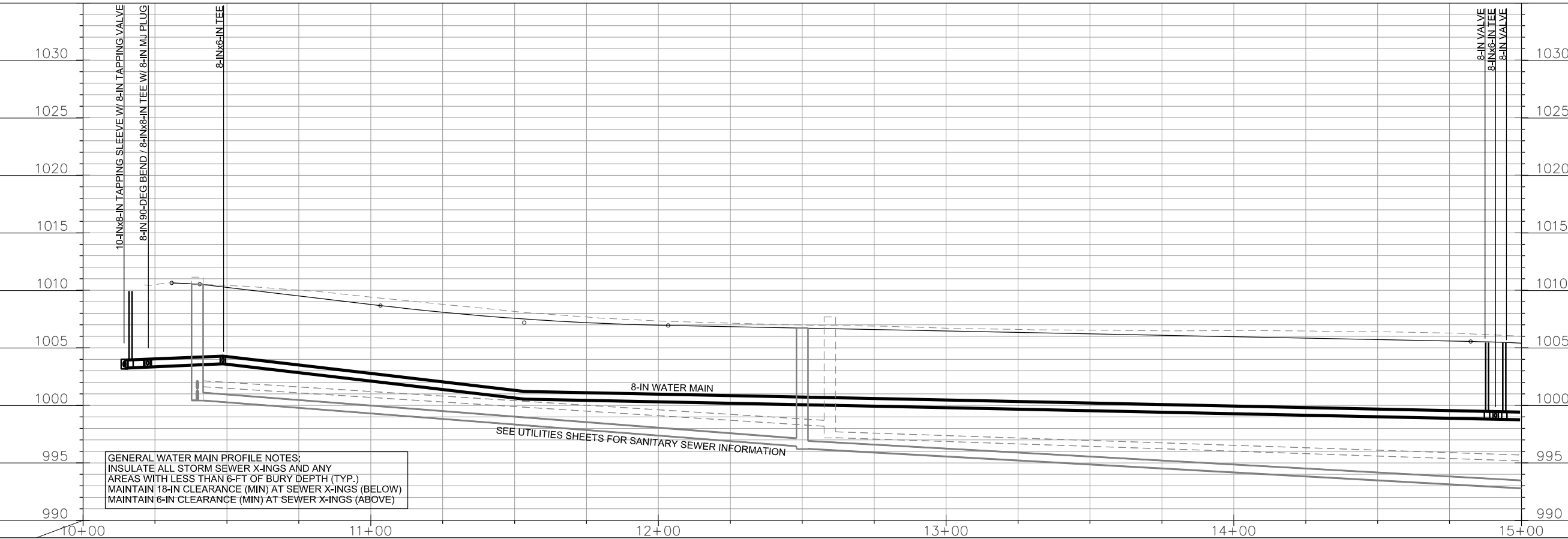
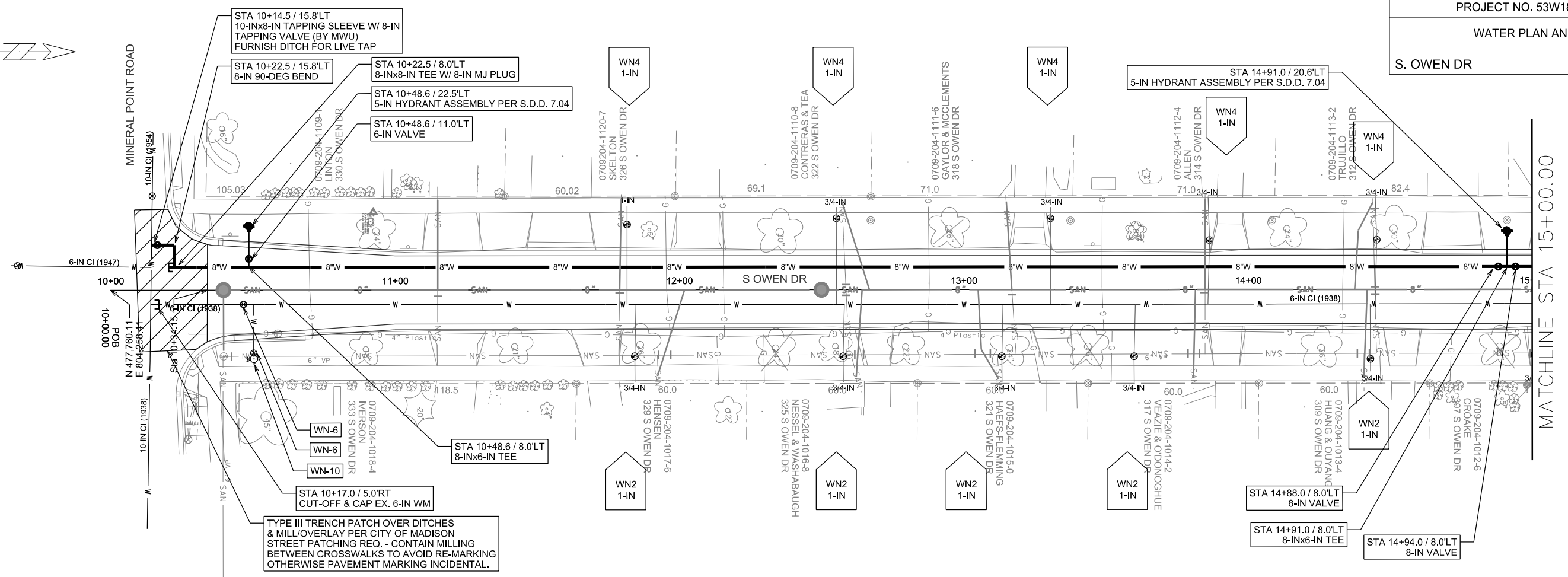
(1) P-2B PIPE CONNECTION OFFSET 2 FT WEST OF STRUCTURE CENTER, W/R-3067-7004-V & R-1550-0054 INCLUDING 3 FT SUMP BELOW LISTED E.I.

## 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 ERIC DUNDEE OF CITY ENGINEERING AT (608) 266-4098 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)266-4913, OR EMAIL SHOP DRAWINGS TO EDUNDEE@CITYOFMADISON.COM.

WATER PLAN AND PROFILE

S. OWEN DR CITY OF MADISON



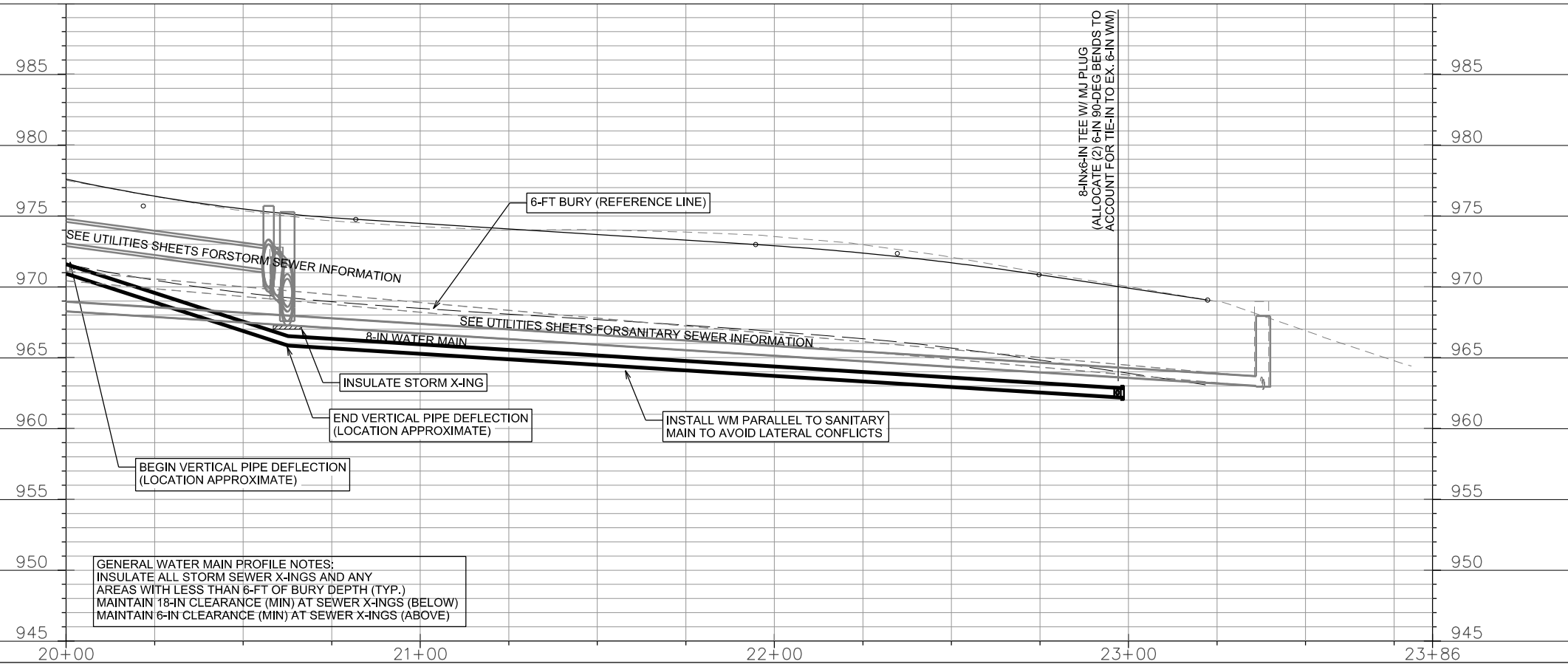
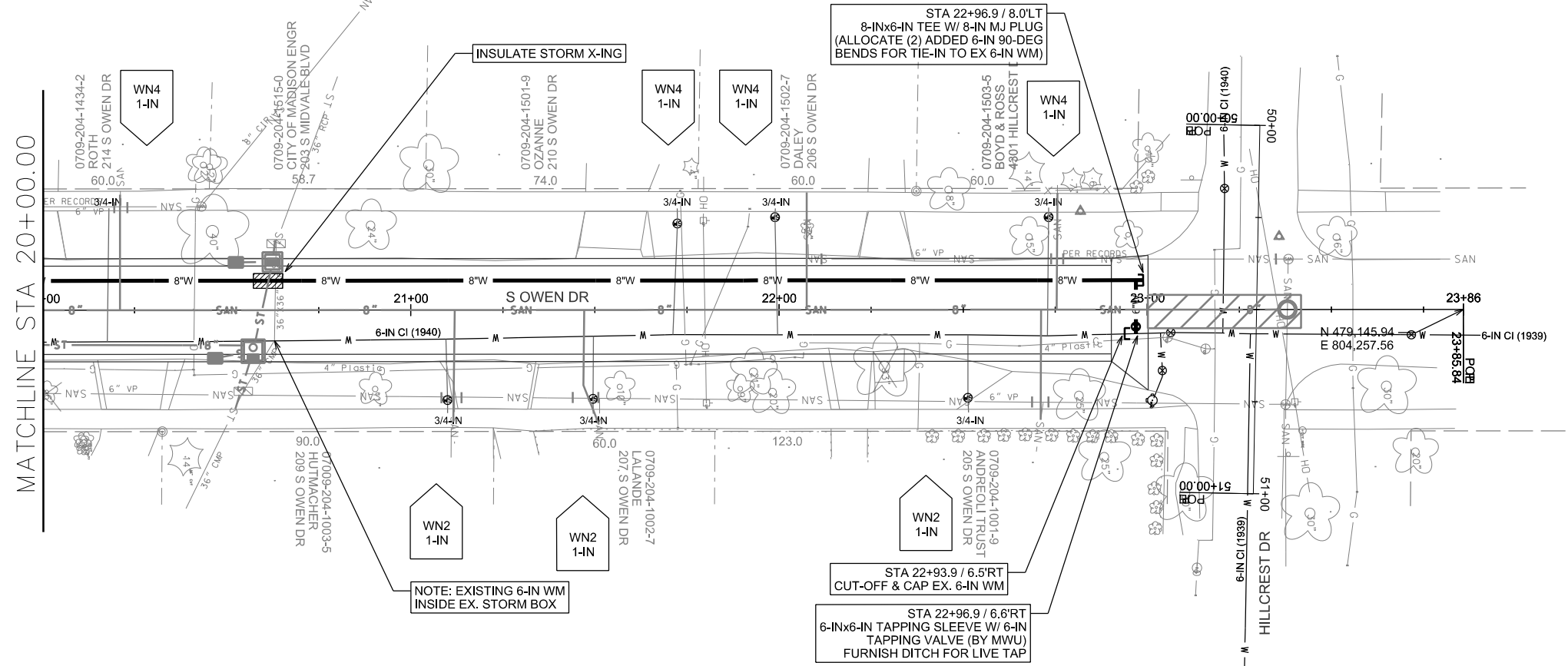
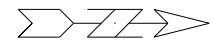
PLOT SCALE: \_\_\_\_\_

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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.

**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. 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 FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW 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 AND SALVAGE EXISTING HYDRANT
- WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE
- WN20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTFICATION INFORMATION.

**ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

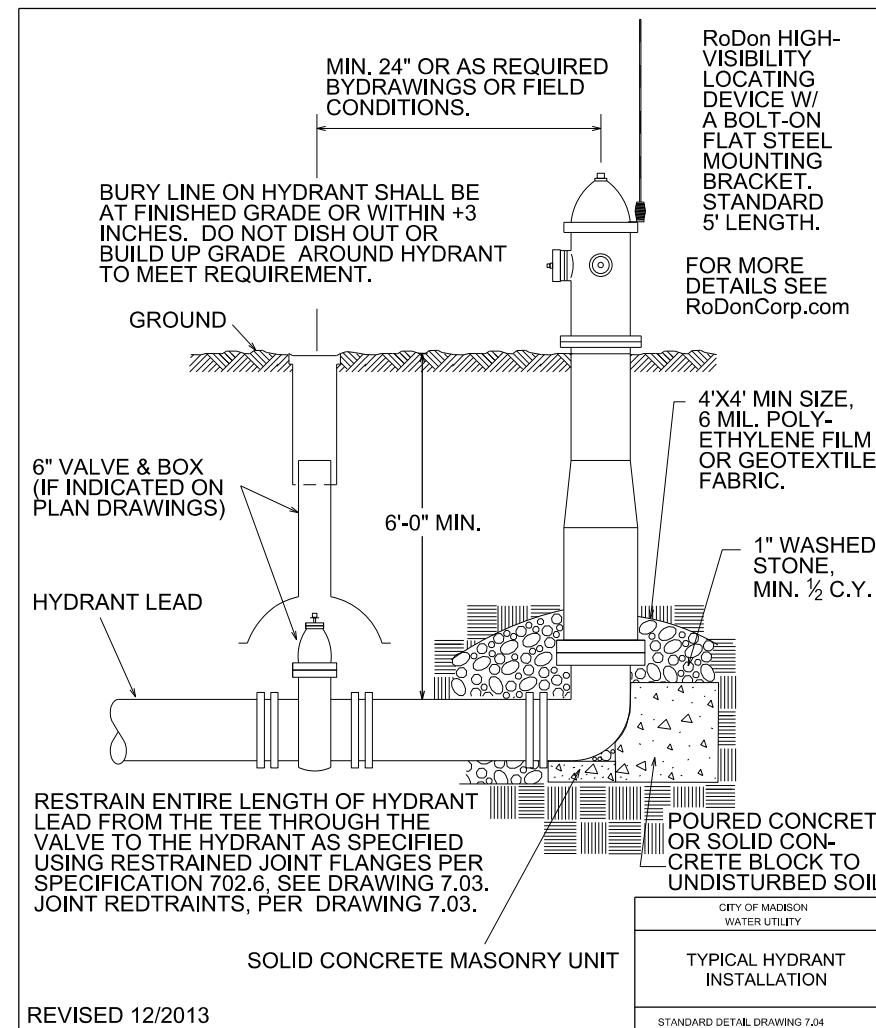
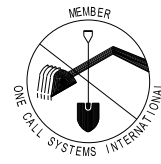
\* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

- 75-FT - 6-IN PIPE
- 1,340-FT - 8-IN PIPE
- 1,560-FT - POLYWRAP
- 3 - 6-IN VALVE & BOX
- 4 - 8-IN VALVE & BOX
- 3 - 6-IN 90° BEND
- 1 - 8-IN 90° BEND
- 2 - 8-IN OFFSET (12-IN O/S)
- 3 - 8-IN X 6-IN TEE
- 2 - 8-IN X 8-IN TEE
- 1 - 8-IN X 6-IN CROSS
- 3 - 8-IN MJ PLUG
- 2 - 6-IN CAP
- 3 - 5-IN HYDRANT
- 24-FT - 2-IN STYROFOAM INSULATION
- 1-IN COPPER SERVICE PIPING (AS REQUIRED)

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

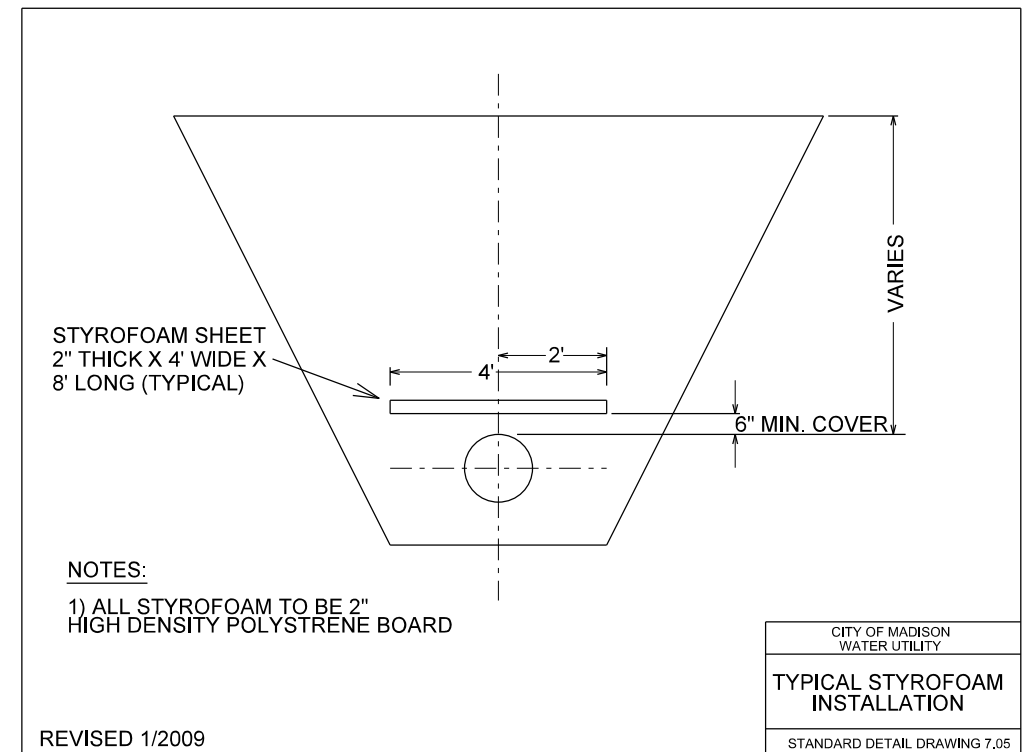
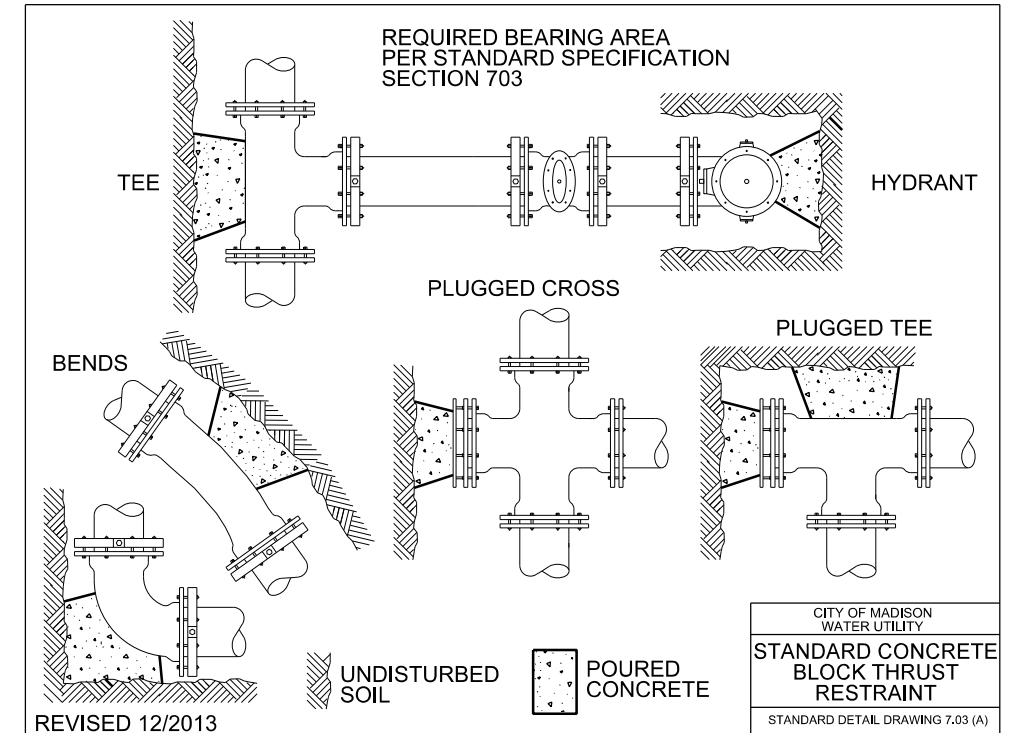
CALL DIGGERS HOTLINE TOLL FREE 811 OR 1-800-242-8511  
FAX-A-LOCATE 1-800-338-3860  
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

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



REVISED 12/2013

CITY OF MADISON WATER UTILITY  
TYPICAL HYDRANT INSTALLATION  
STANDARD DETAIL DRAWING 7.04



REVISED 1/2009

CITY OF MADISON WATER UTILITY  
TYPICAL STYROFOAM INSTALLATION  
STANDARD DETAIL DRAWING 7.05

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

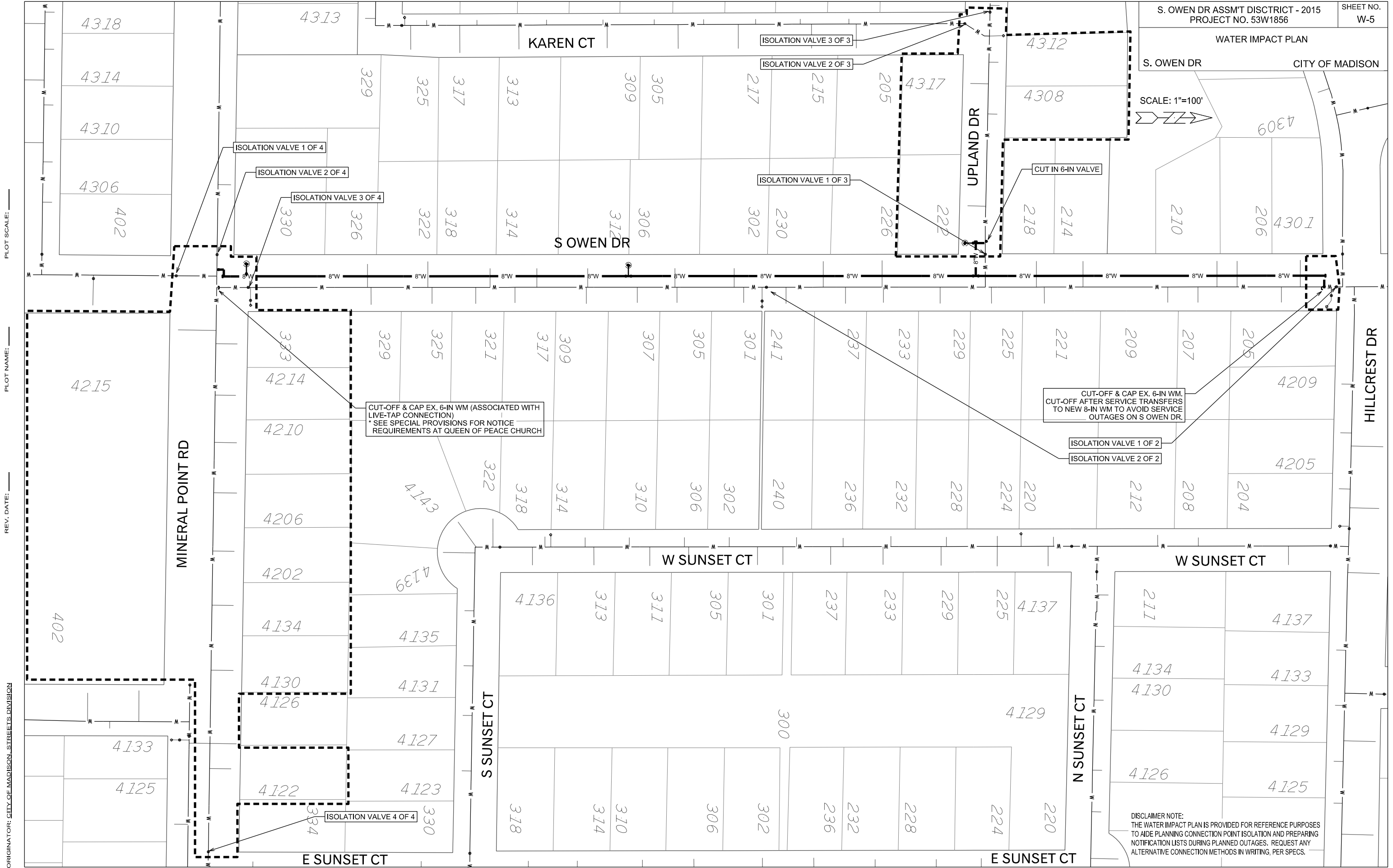
PLOT NAME: \_\_\_\_\_

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER IMPACT PLAN  
S. OWEN DR CITY OF MADISON

SCALE: 1"=100'



CUT-OFF & CAP EX. 6-IN WM (ASSOCIATED WITH LIVE-TAP CONNECTION)  
\* SEE SPECIAL PROVISIONS FOR NOTICE REQUIREMENTS AT QUEEN OF PEACE CHURCH

CUT-OFF & CAP EX. 6-IN WM.  
CUT-OFF AFTER SERVICE TRANSFERS TO NEW 8-IN WM TO AVOID SERVICE OUTAGES ON S OWEN DR.

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

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

S. OWEN DR

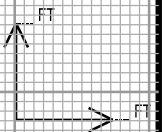
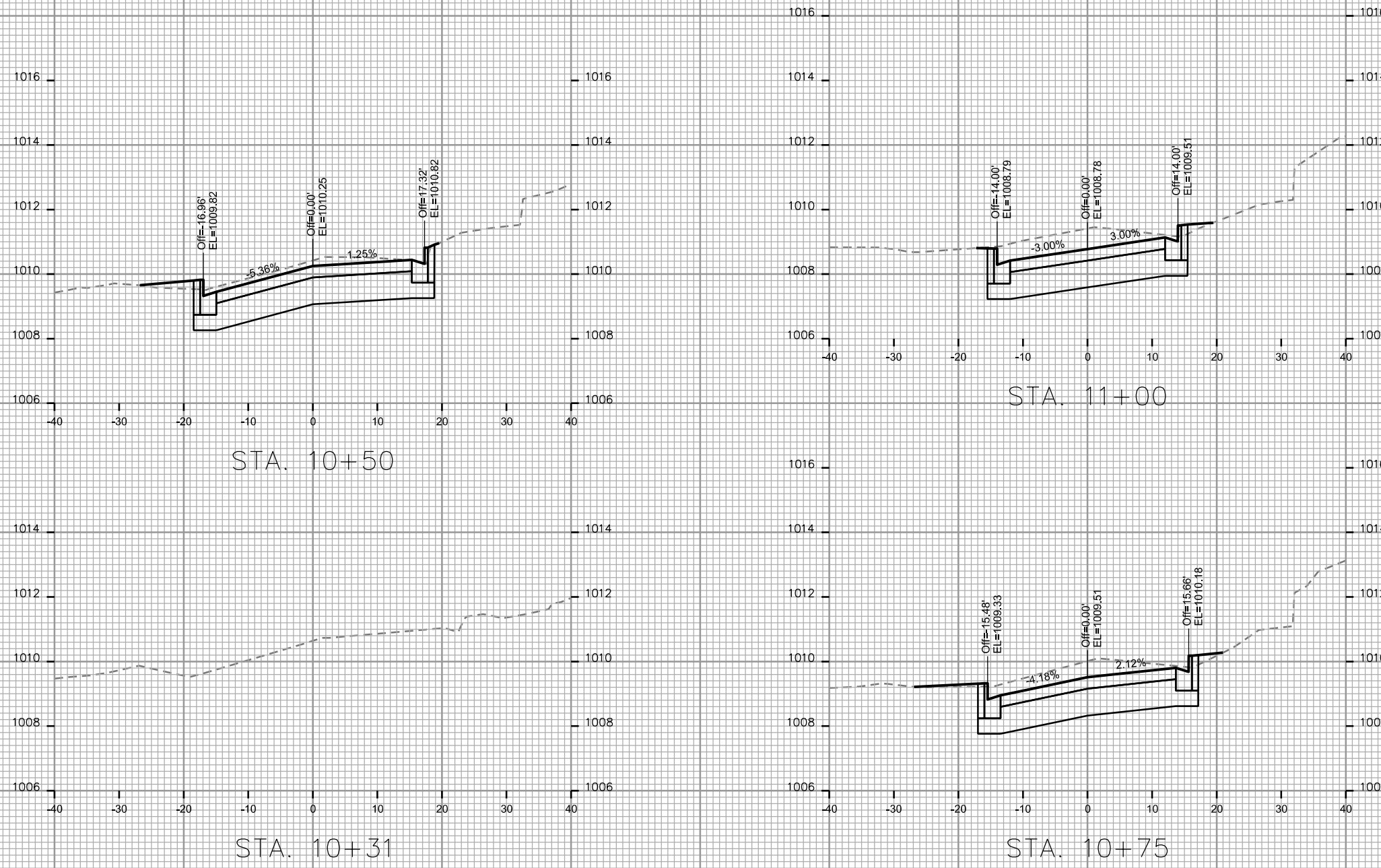
CITY OF MADISON

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

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

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

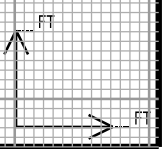
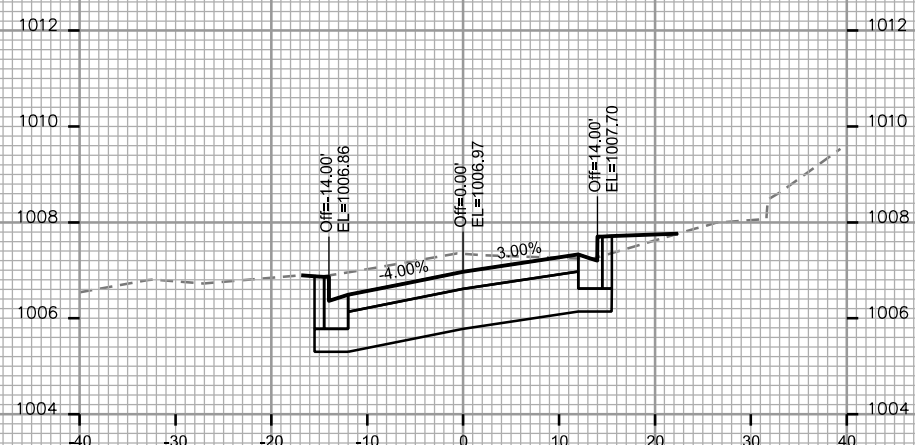
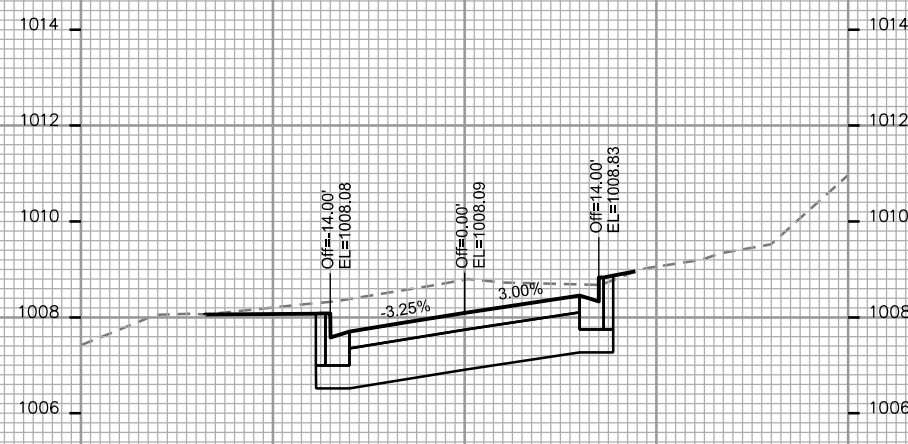
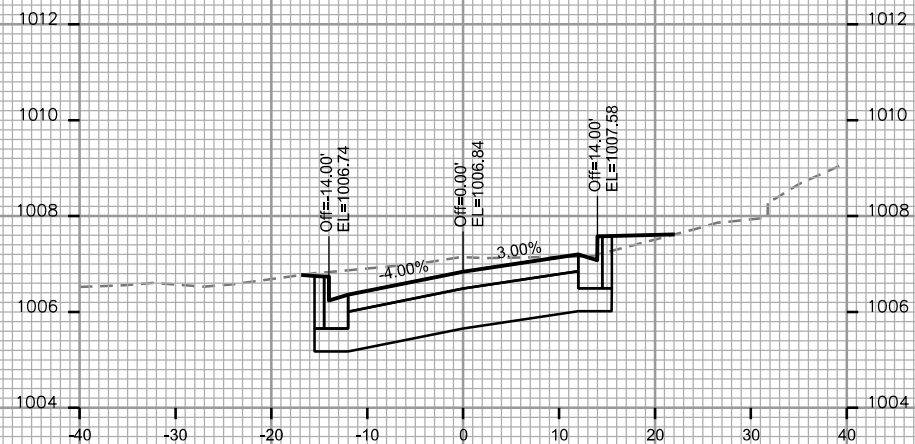
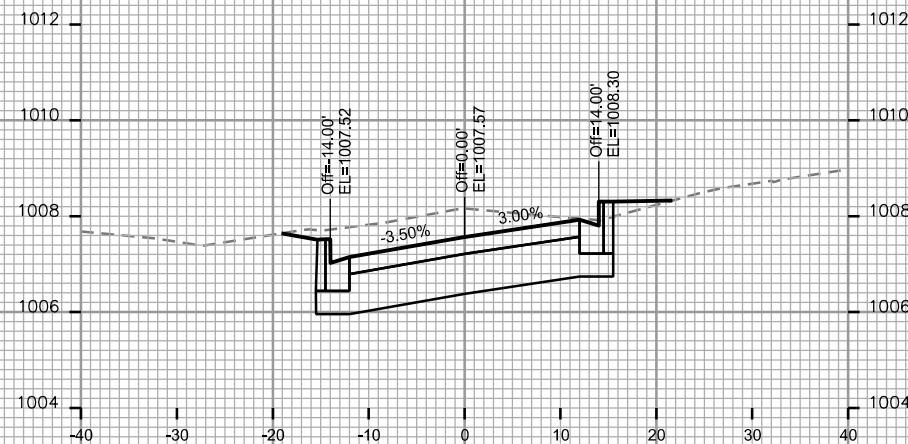
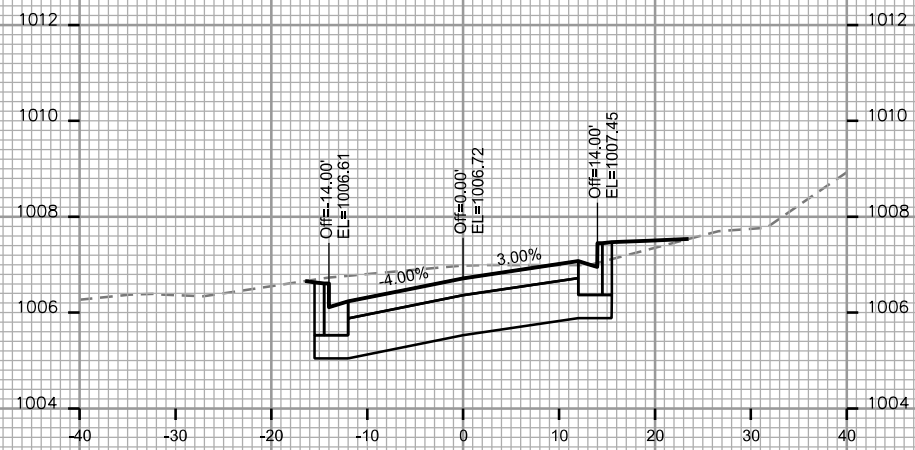
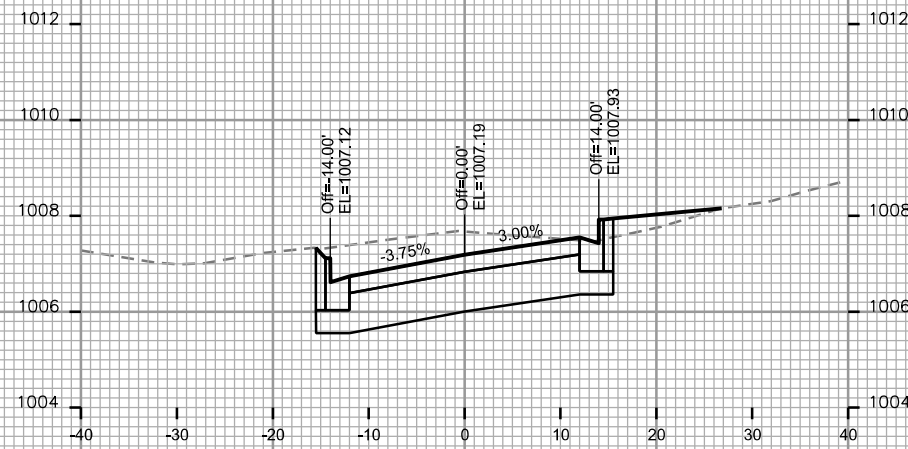
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

S. OWEN DR

CITY OF MADISON



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

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

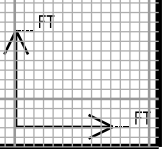
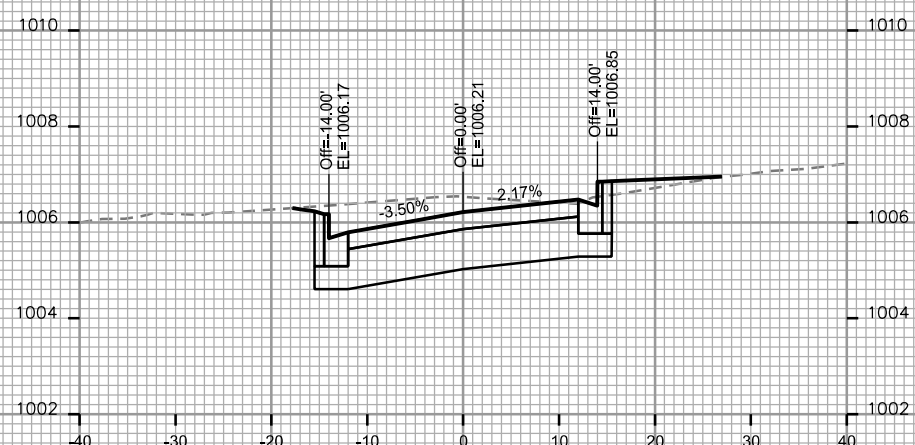
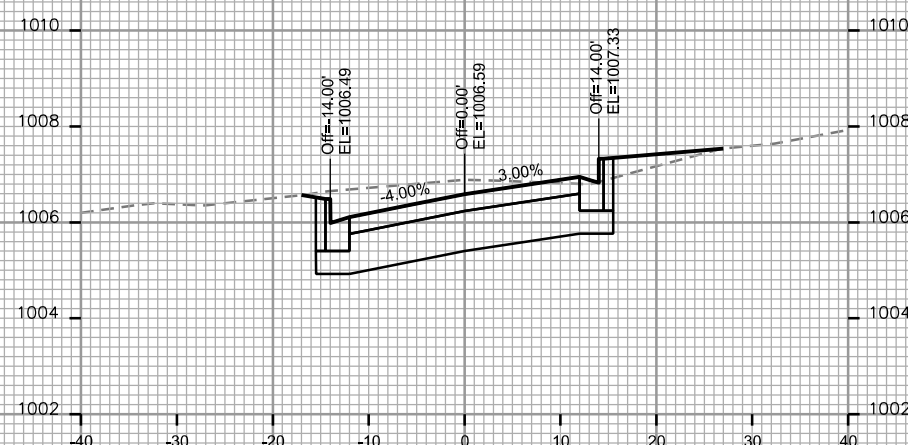
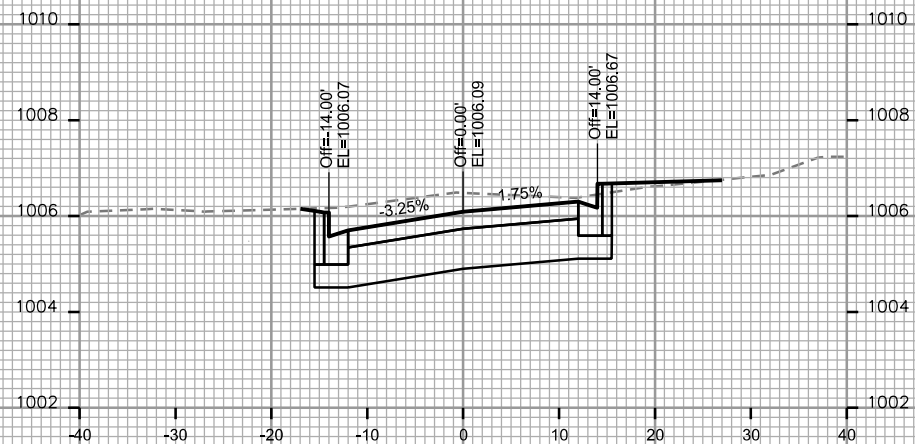
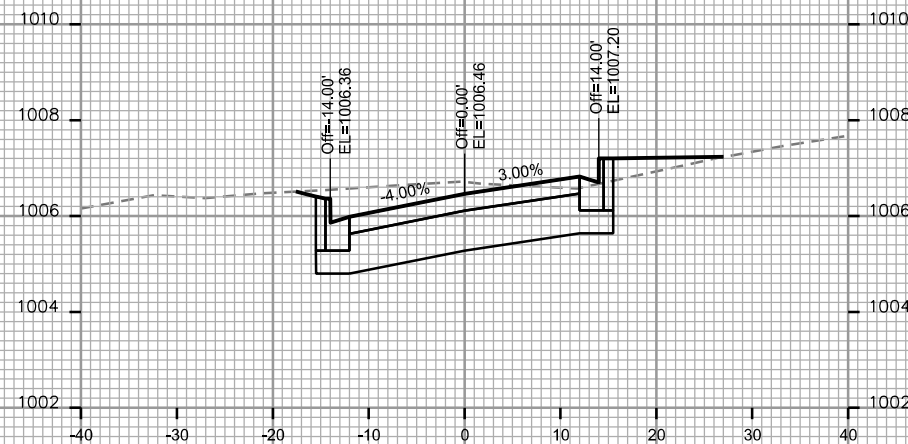
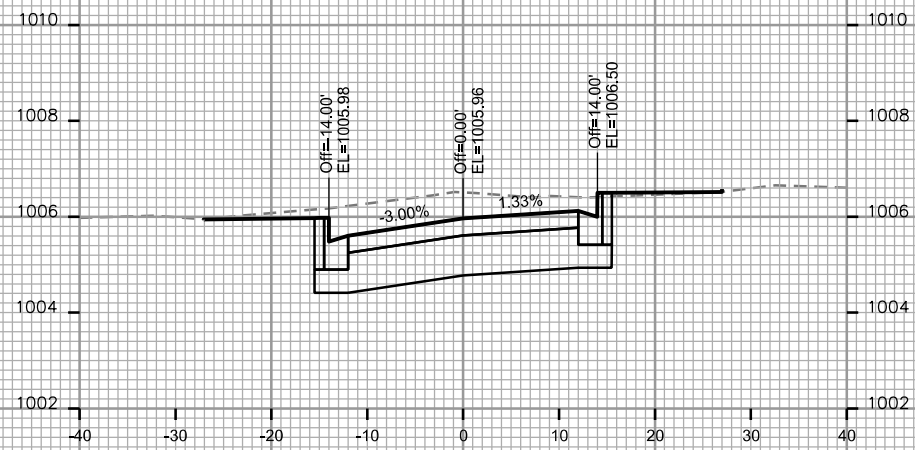
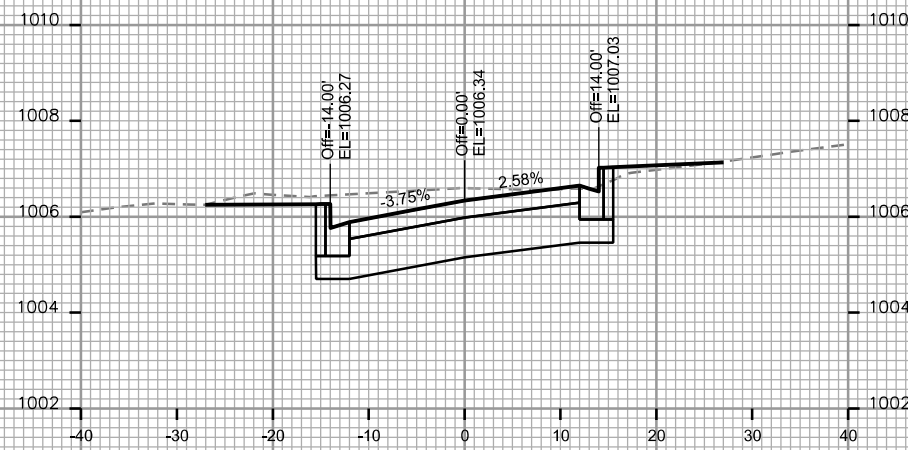
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

CROSS SECTIONS

S. OWEN DR

CITY OF MADISON



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

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

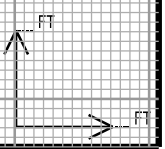
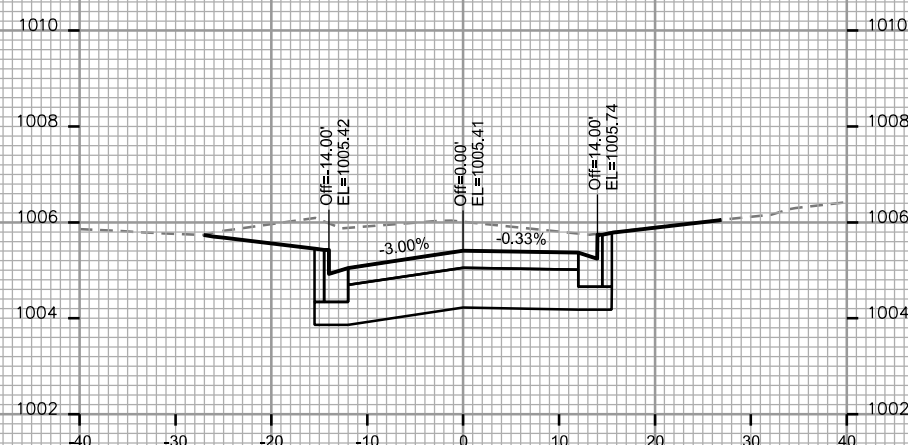
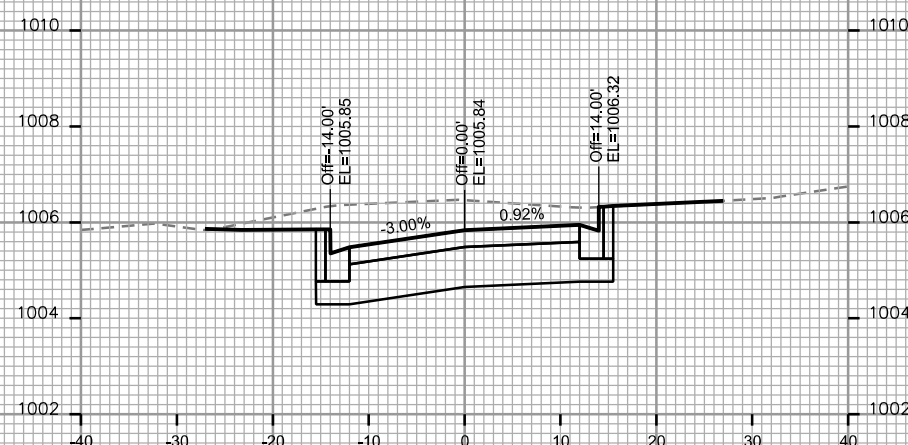
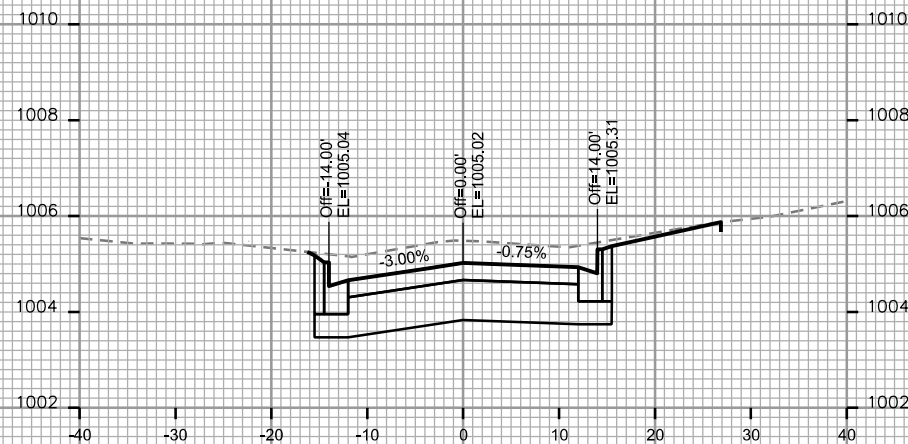
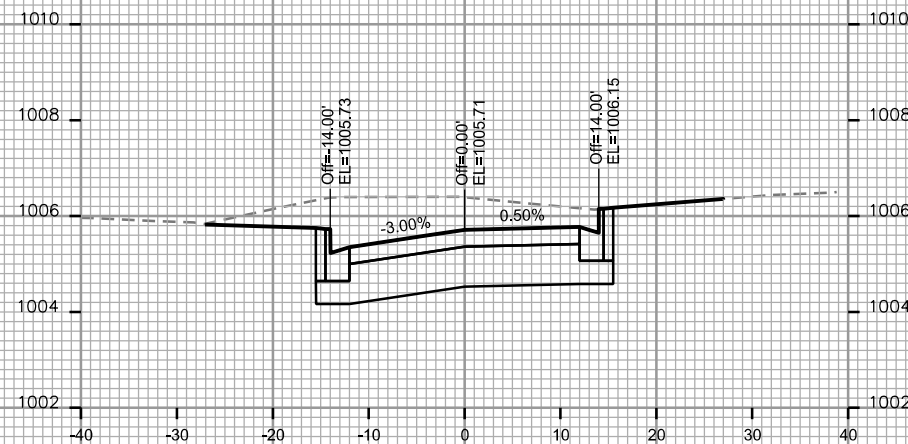
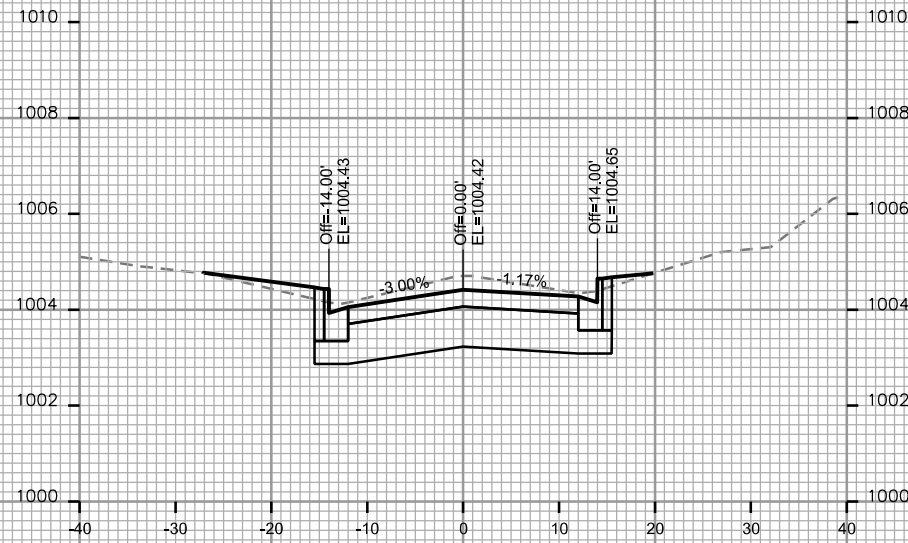
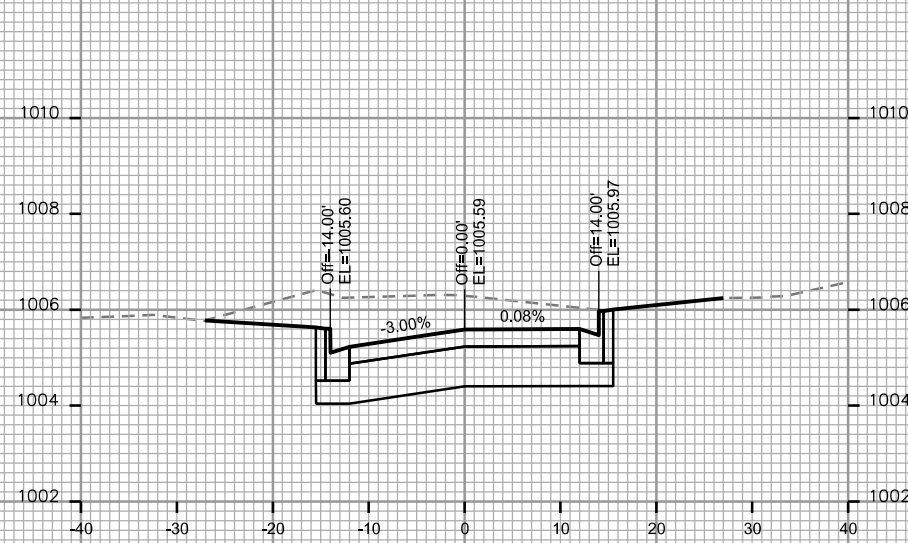
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

CROSS SECTIONS

S OWEN DR

CITY OF MADISON



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

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

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

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

CROSS SECTIONS

S OWEN DR.

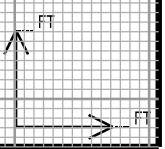
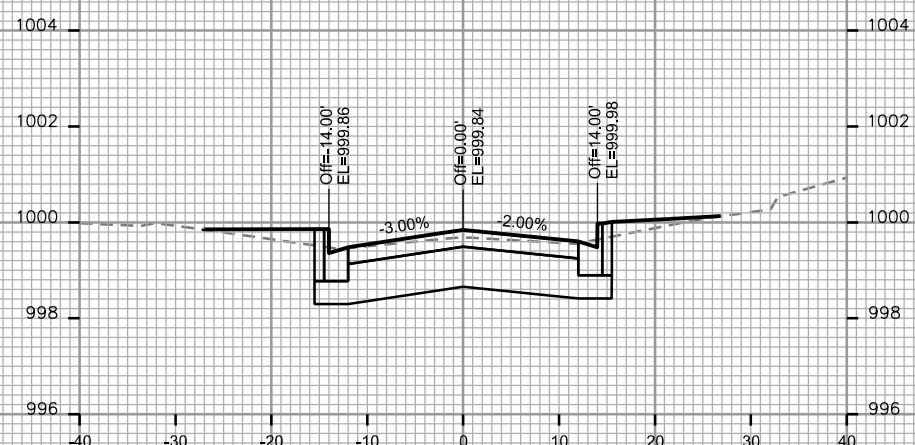
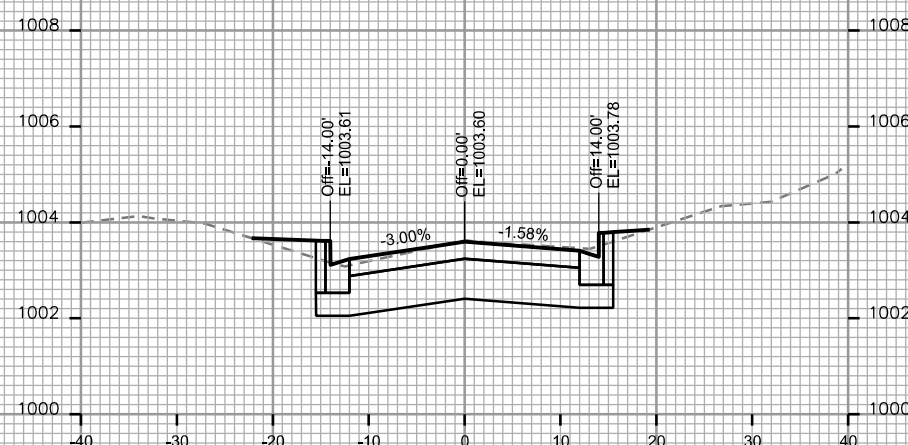
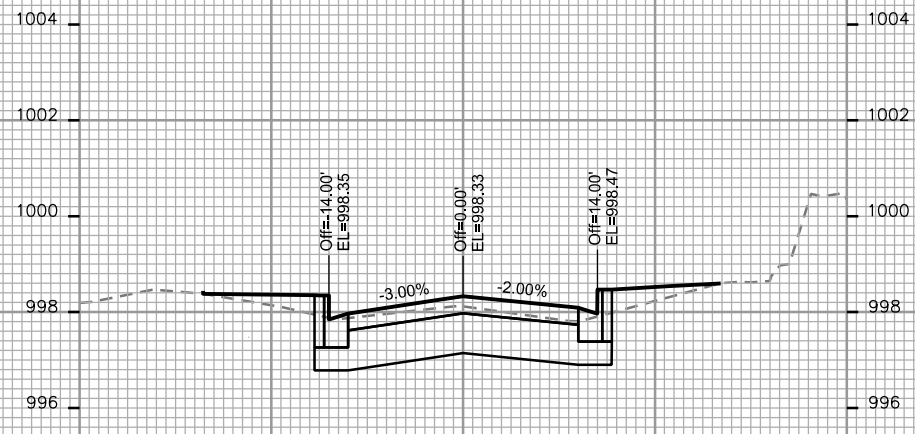
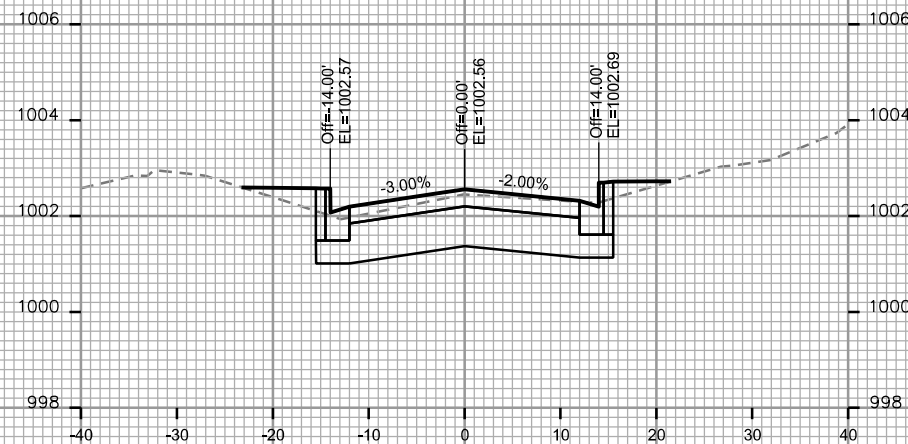
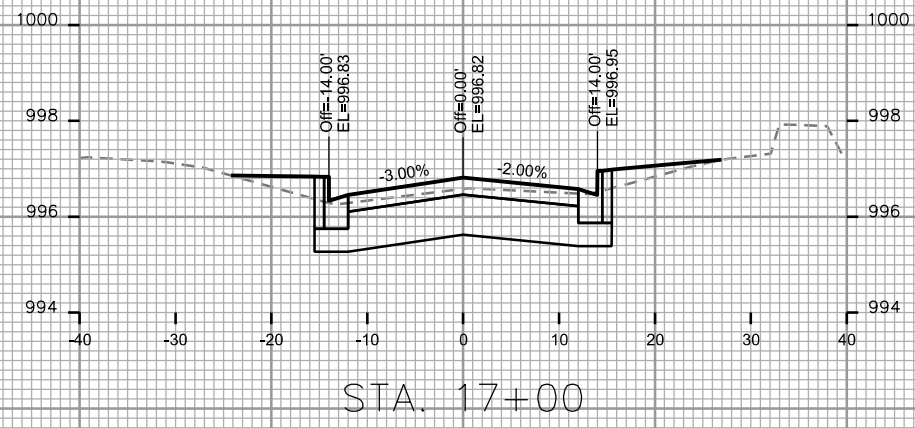
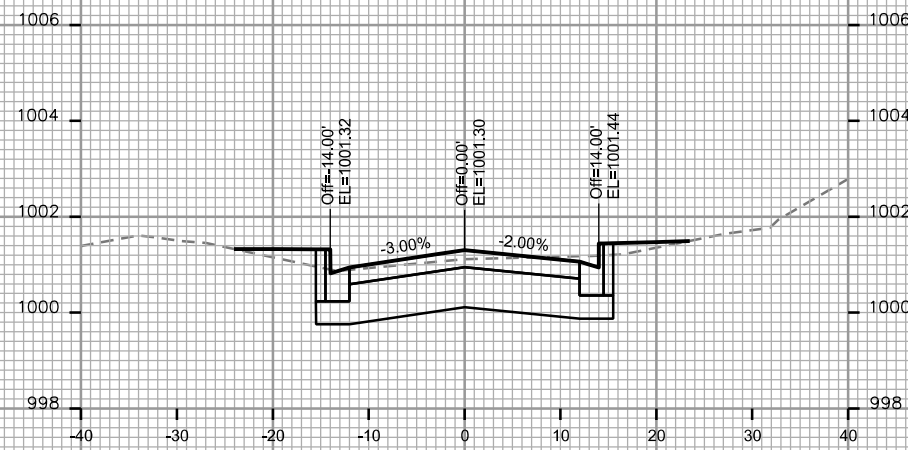
CITY OF MADISON

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

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

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

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

S OWEN DR.

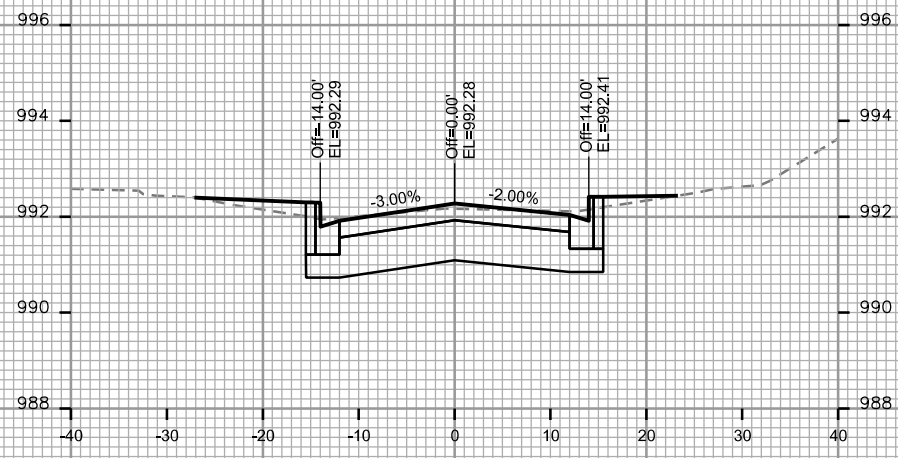
CITY OF MADISON

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

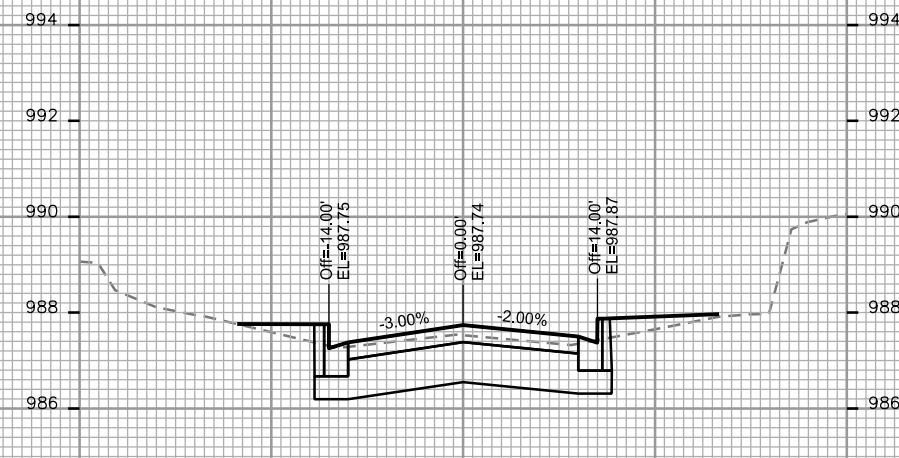
PLOT NAME: \_\_\_\_\_

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

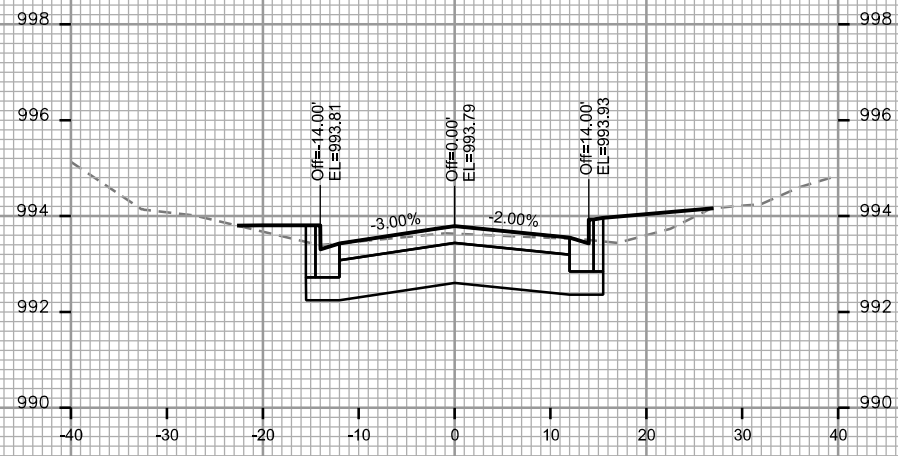
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



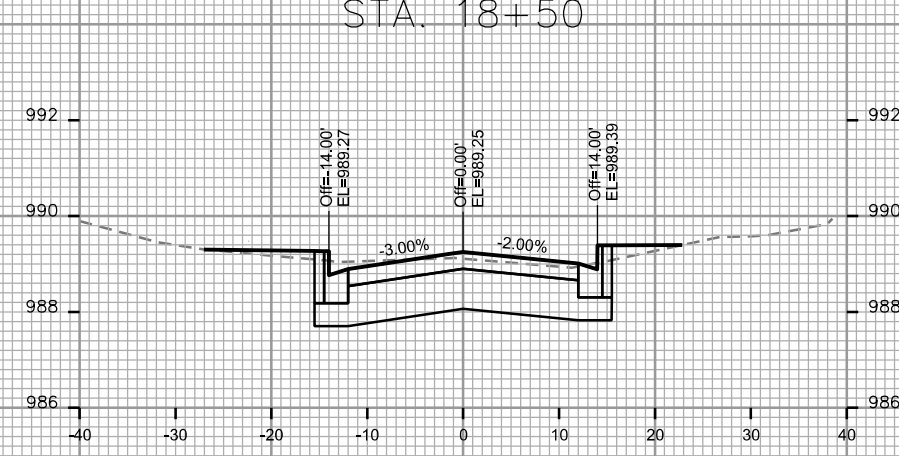
STA. 17+75



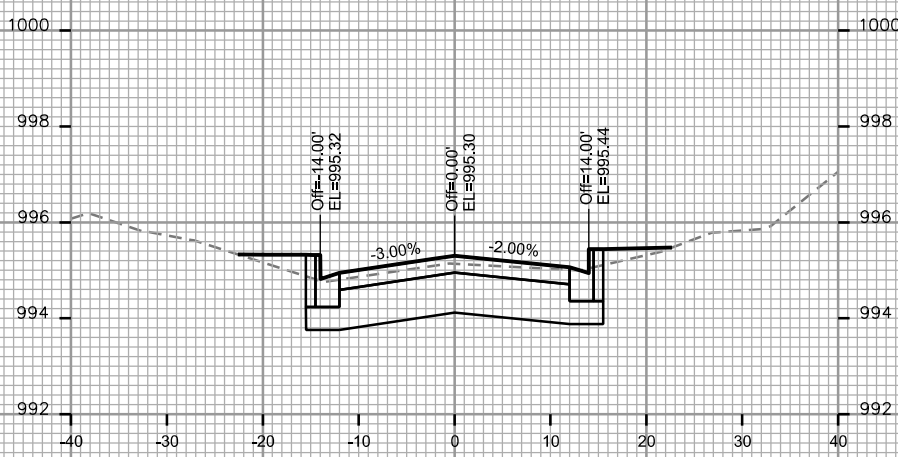
STA. 18+50



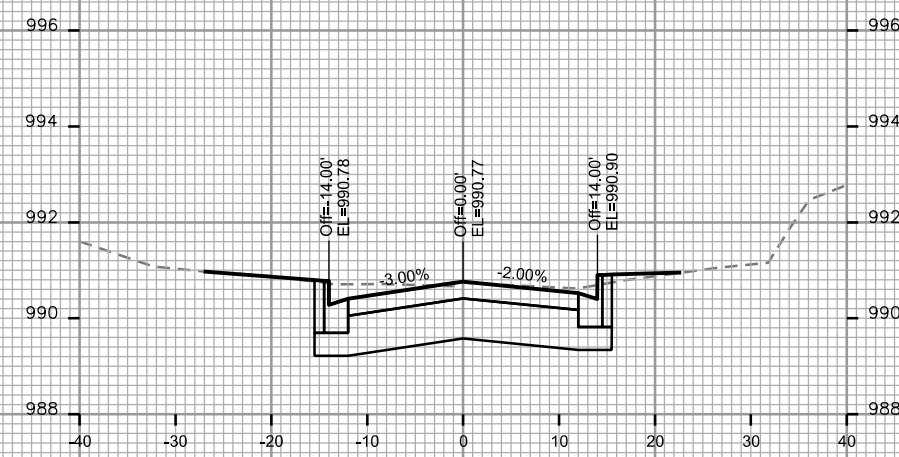
STA. 17+50



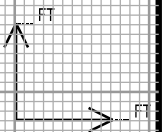
STA. 18+25



STA. 17+25



STA. 18+00





CROSS SECTIONS

S OWEN DR.

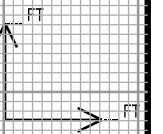
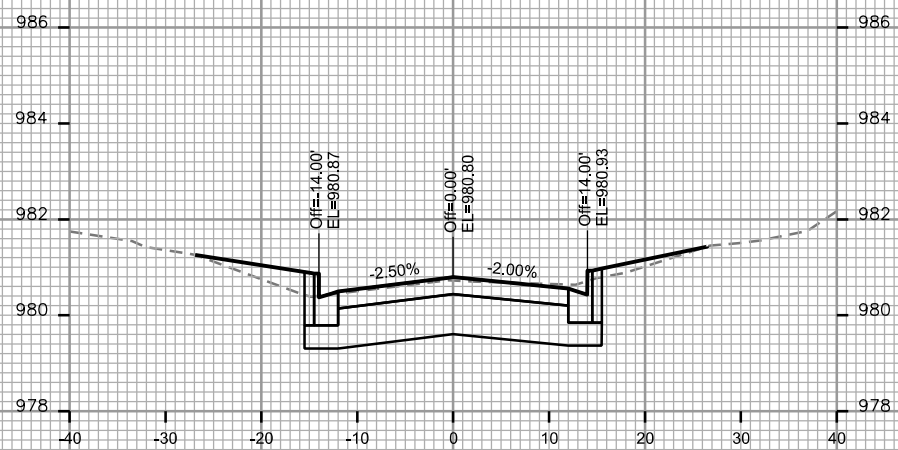
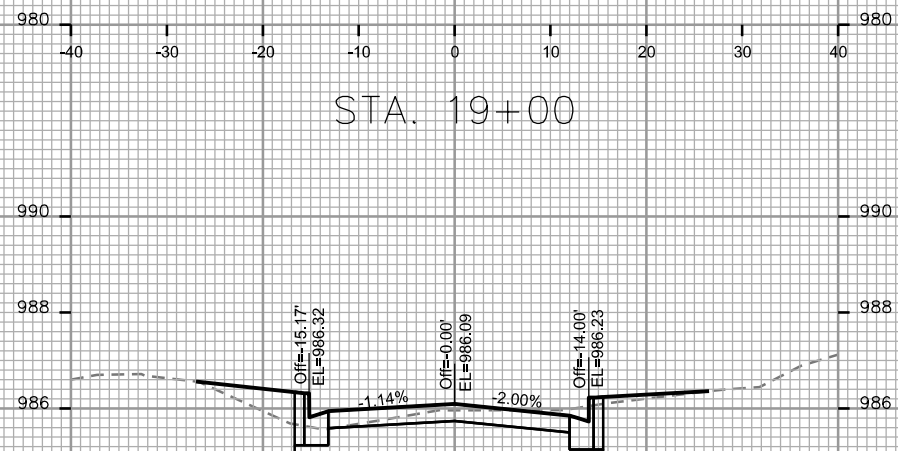
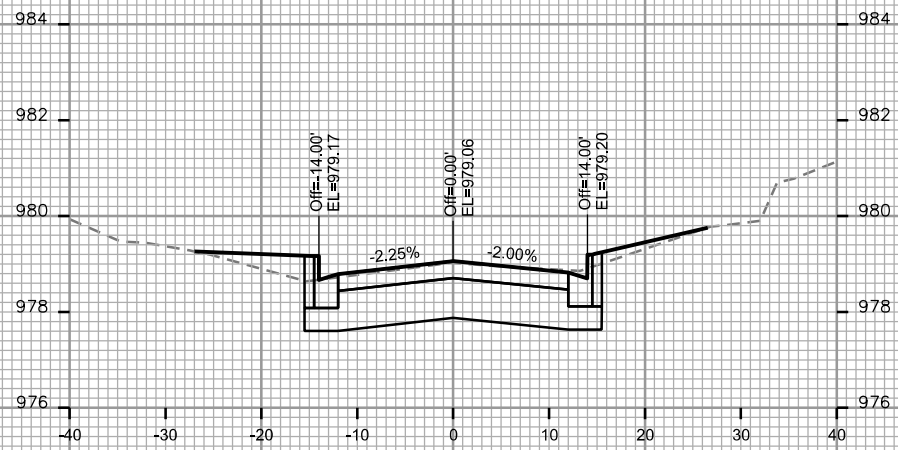
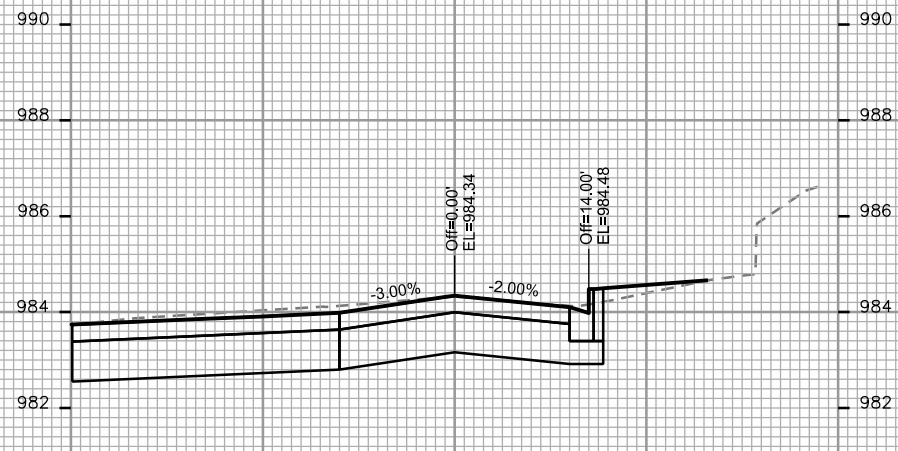
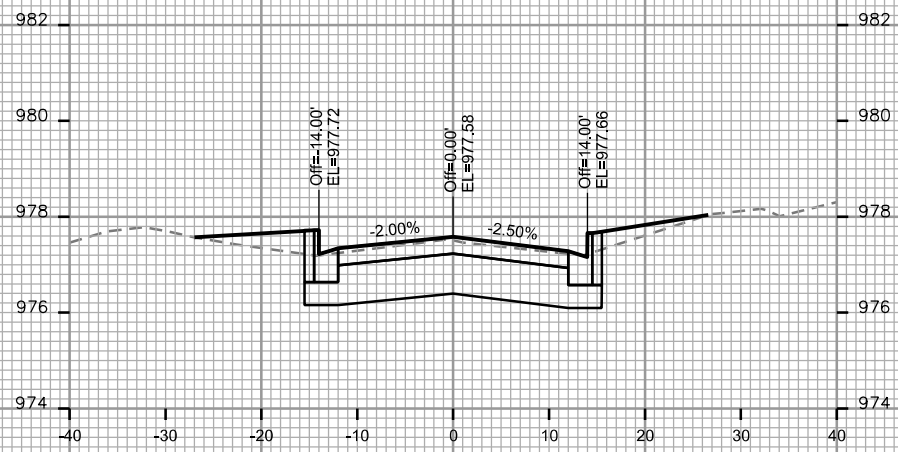
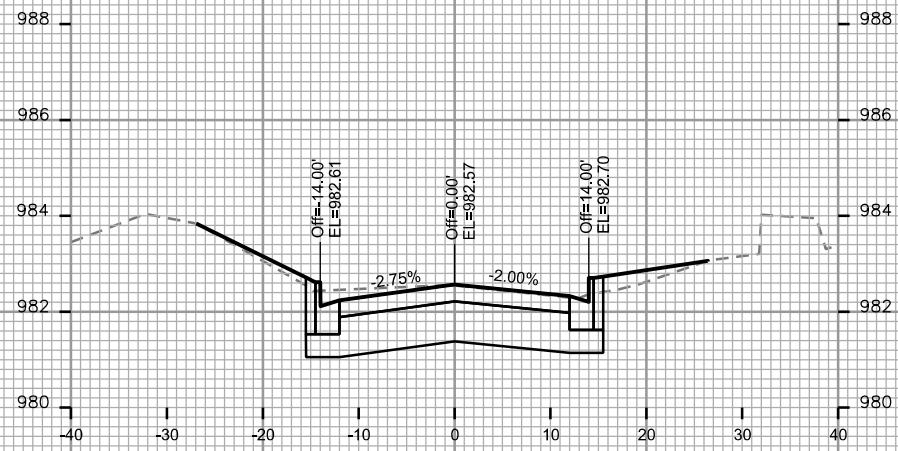
CITY OF MADISON

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

S OWEN DR.

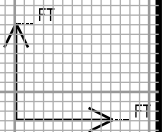
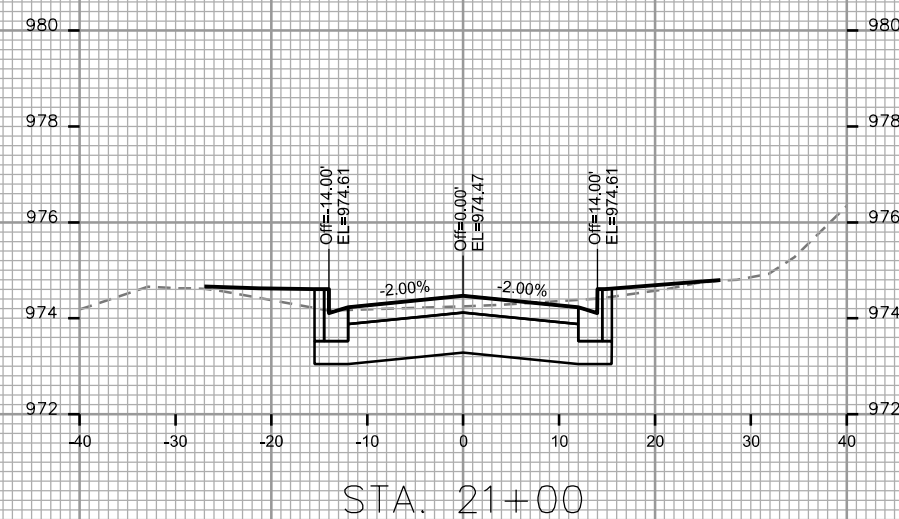
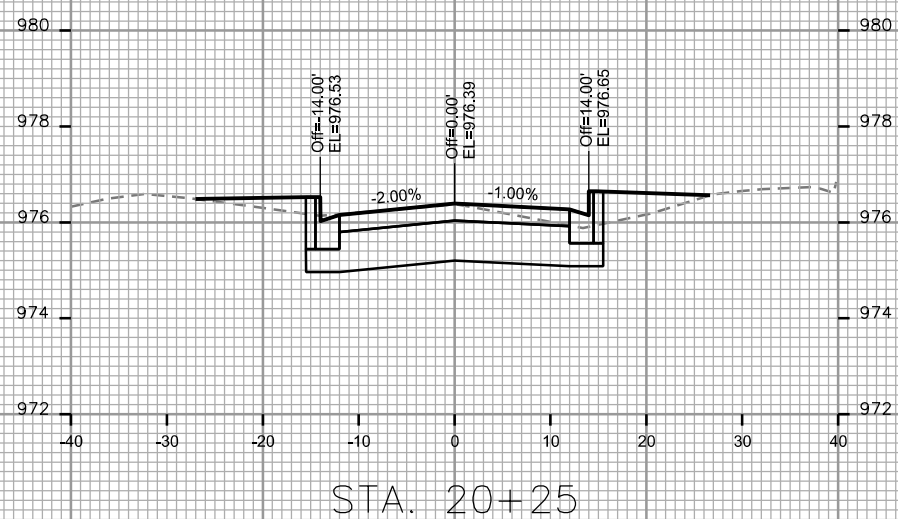
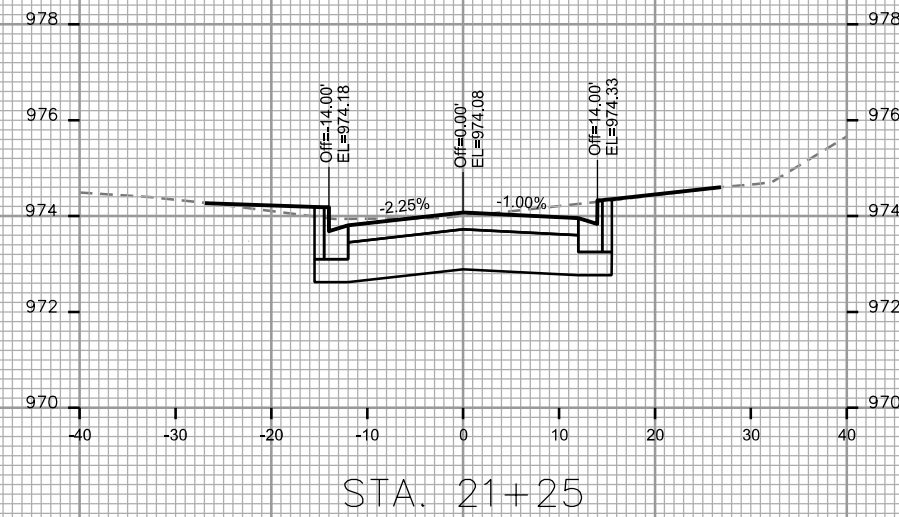
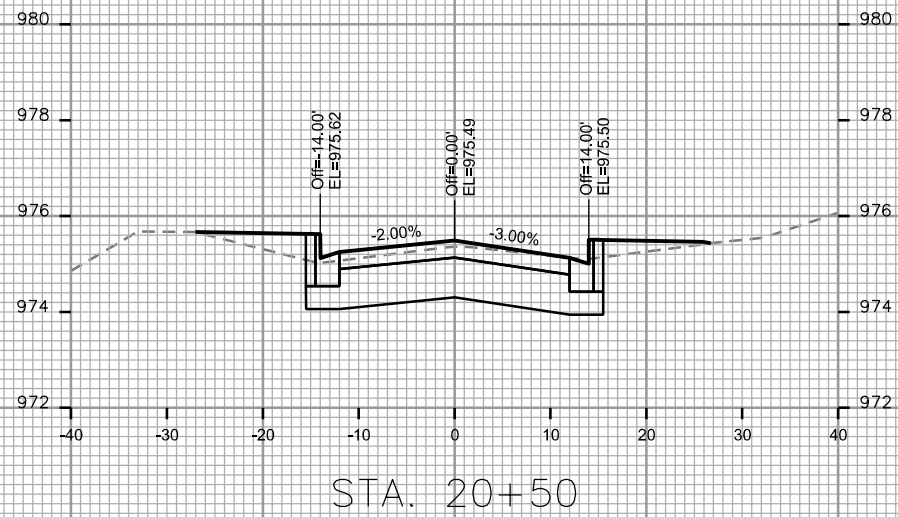
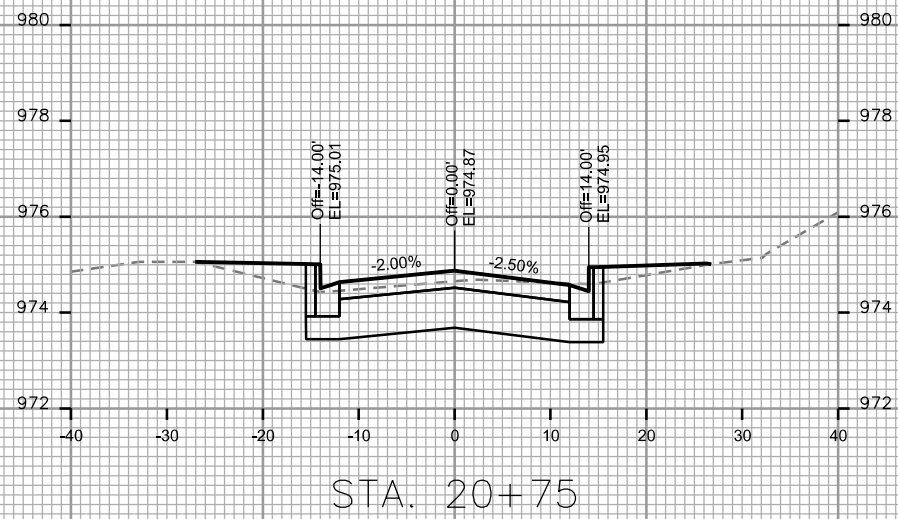
CITY OF MADISON

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

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

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

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

S OWEN DR.

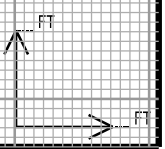
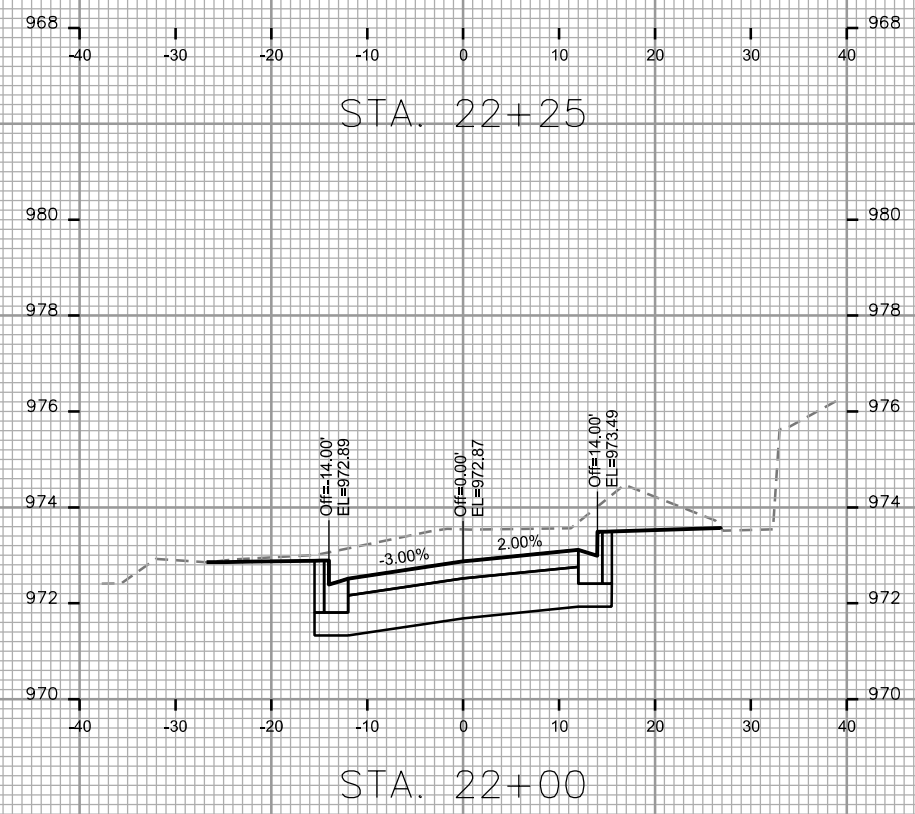
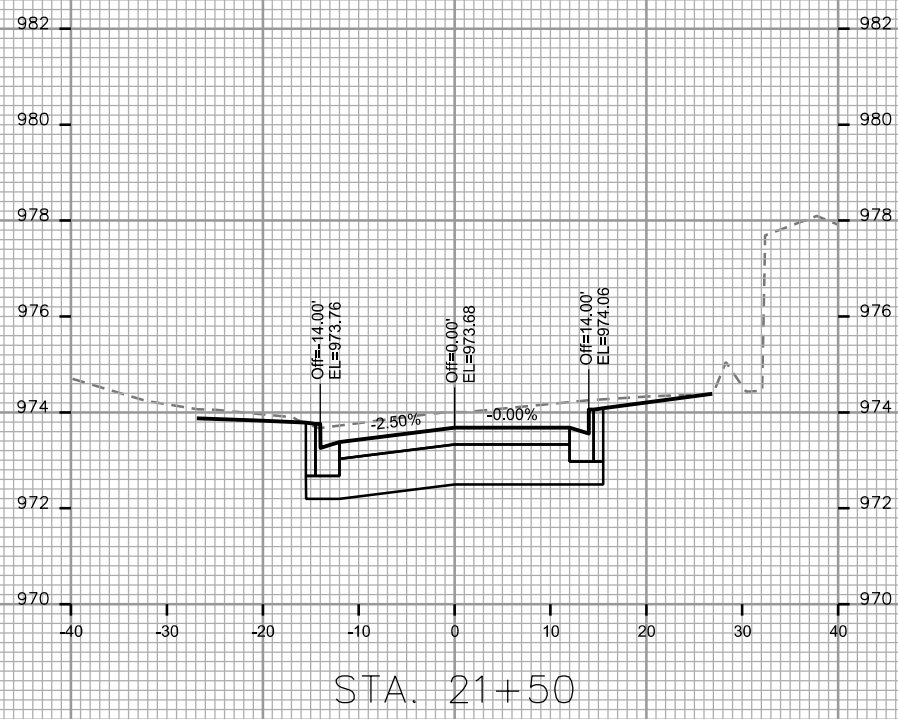
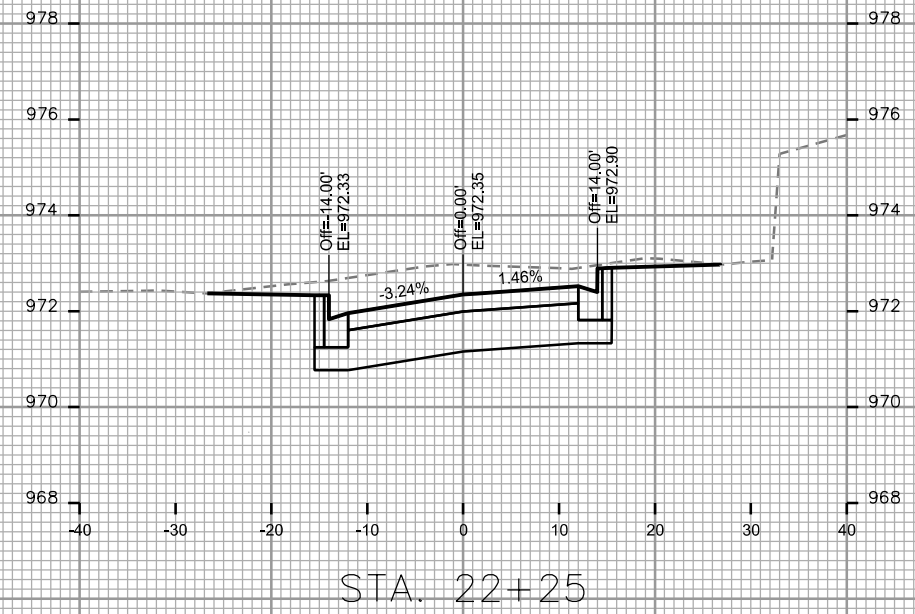
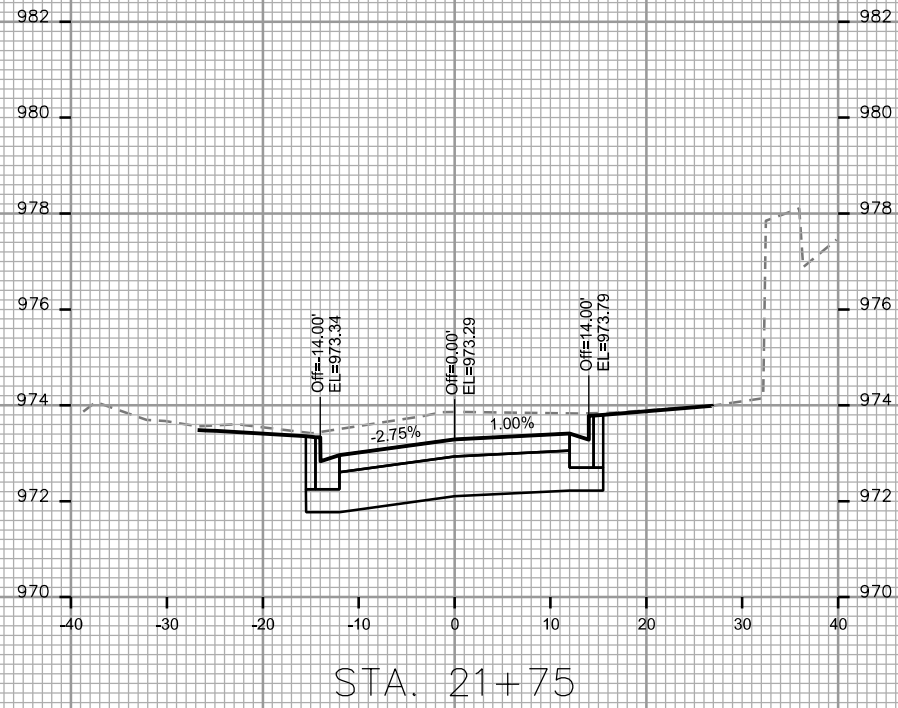
CITY OF MADISON

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

S OWEN DR.

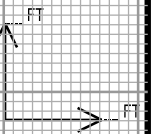
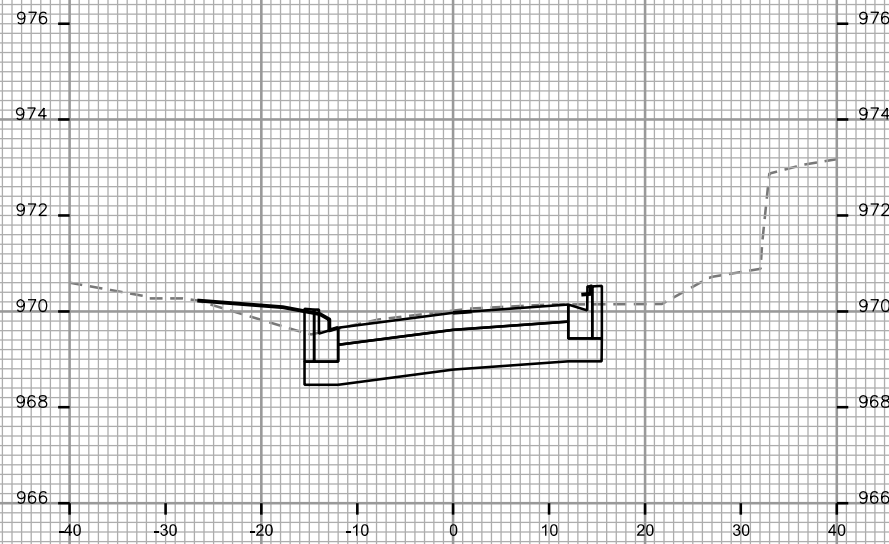
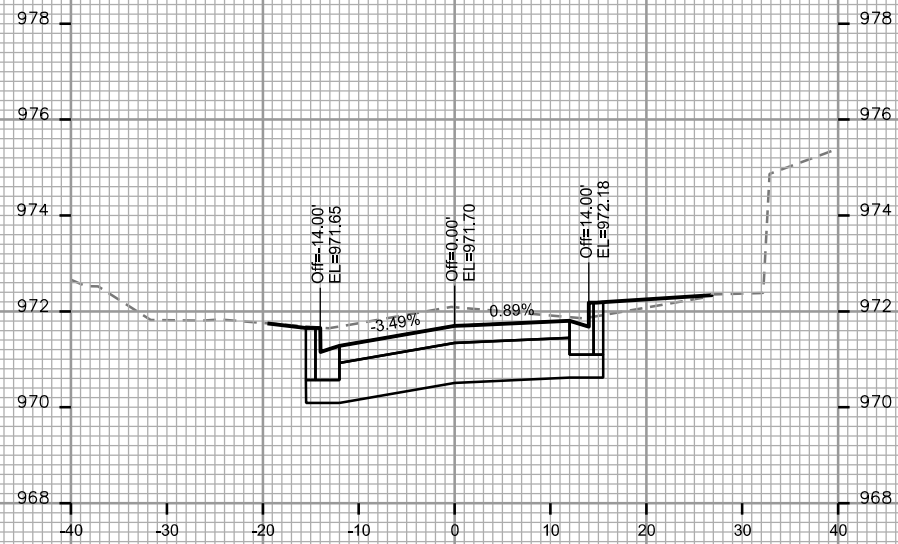
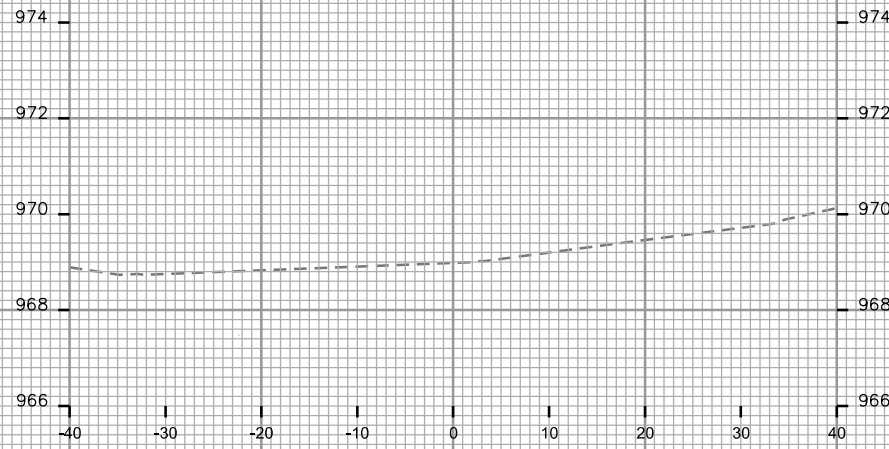
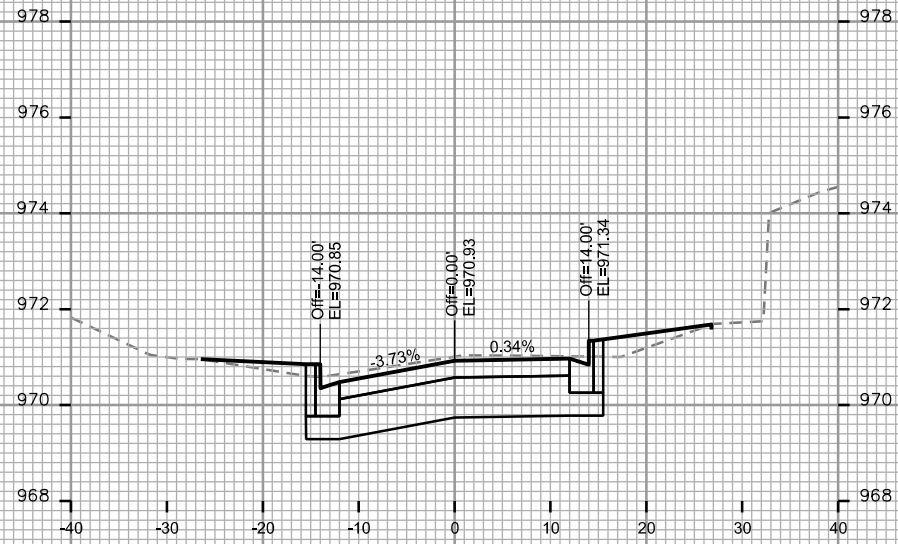
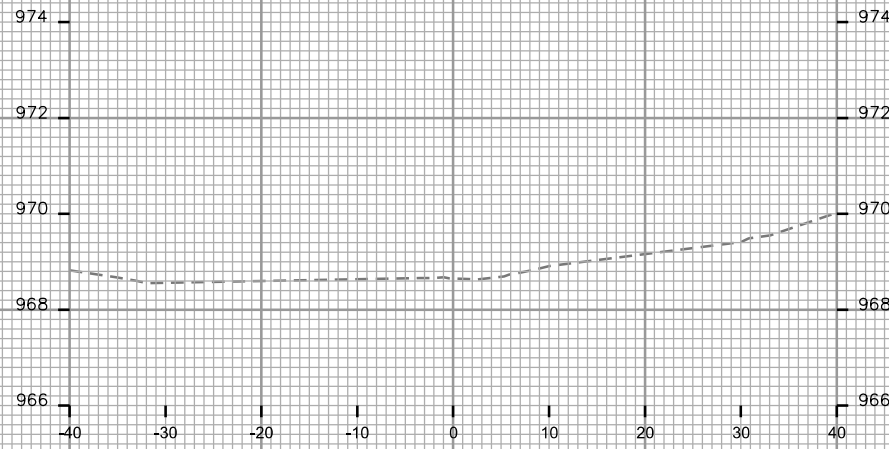
CITY OF MADISON

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



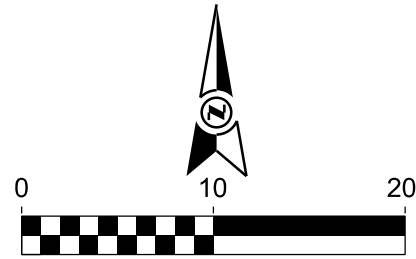
RAIN GARDENS

S OWEN DR. CITY OF MADISON

ALL GARDEN LIMITS TO BE 1FT  
OFF SIDEWALK AND BACK OF CURB.  
SLOPES TO BE 3:1. WORK PER  
S.D.D. 2.09

0709-204-1110-8  
CONTRERAS & TEA  
322 S OWEN DR

0709-204-1111-6  
GAYLOR & MCCLEMENTS  
318 S OWEN DR

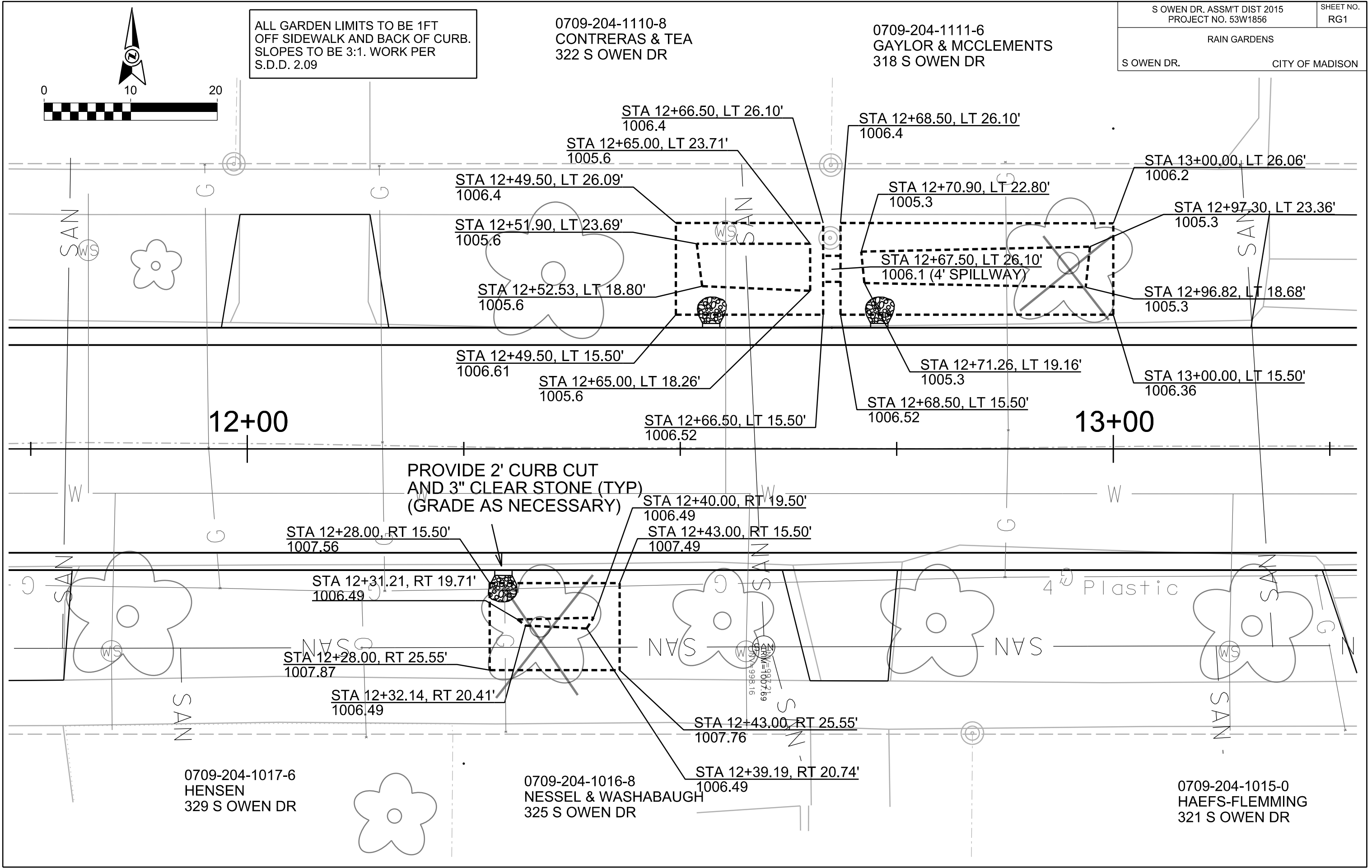


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



0709-204-1017-6  
HENSEN  
329 S OWEN DR

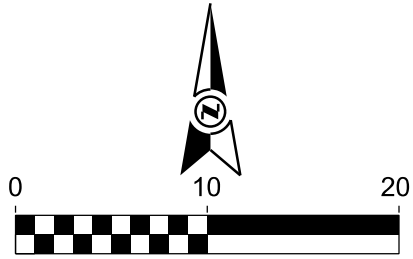
0709-204-1016-8  
NESSEL & WASHABAUGH  
325 S OWEN DR

0709-204-1015-0  
HAEFS-FLEMMING  
321 S OWEN DR

ALL GARDEN LIMITS TO BE 1FT  
OFF SIDEWALK AND BACK OF CURB.  
SLOPES TO BE 3:1. WORK PER  
S.D.D. 2.09

0709-204-1113-2  
TRUJILLO  
312 S OWEN DR

0709-204-1112-4  
ALLEN  
314 S OWEN DR



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

STA 13+50.00, LT 26.03'  
1006.17

STA 13+53.20, LT 22.83'  
1005.1  
STA 13+53.20, LT 18.70'  
1005.1

STA 13+50.00, LT 15.50'  
1006.17

STA 13+79.00, LT 26.00'  
1006.1

STA 13+75.00, LT 23.01'  
1005.1  
STA 13+76.10, LT 18.40'  
1005.1

STA 13+79.00, LT 15.50'  
1005.1

STA 14+25.00, LT 26.03'  
1005.9

STA 14+28.28, LT 22.75'  
1004.8  
STA 14+28.14, LT 19.15'  
1004.8

STA 14+25.00, LT 15.50'  
1005.85

STA 14+40.01, LT 26.11'  
1005.87

STA 14+36.77, LT 22.89'  
1004.8  
STA 14+36.99, LT 19.00'  
1004.8

STA 14+40.00, LT 15.50'  
1005.78

PROVIDE 2' CURB CUT  
AND 3" CLEAR STONE (TYP)  
(GRADE AS NECESSARY)

14+00

0709-204-1014-2  
VEAZIE & O'DONOGHUE  
317 S OWEN DR

0709-204-1013-4  
HUANG & OUYANG  
309 S OWEN DR

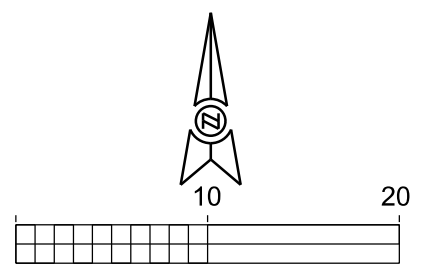
ALL GARDEN LIMITS TO BE 1FT  
OFF SIDEWALK AND BACK OF CURB.  
SLOPES TO BE 3:1. WORK PER  
S.D.D. 2.09

0709-204-1114-0  
RIPPLE  
306 S OWEN DR

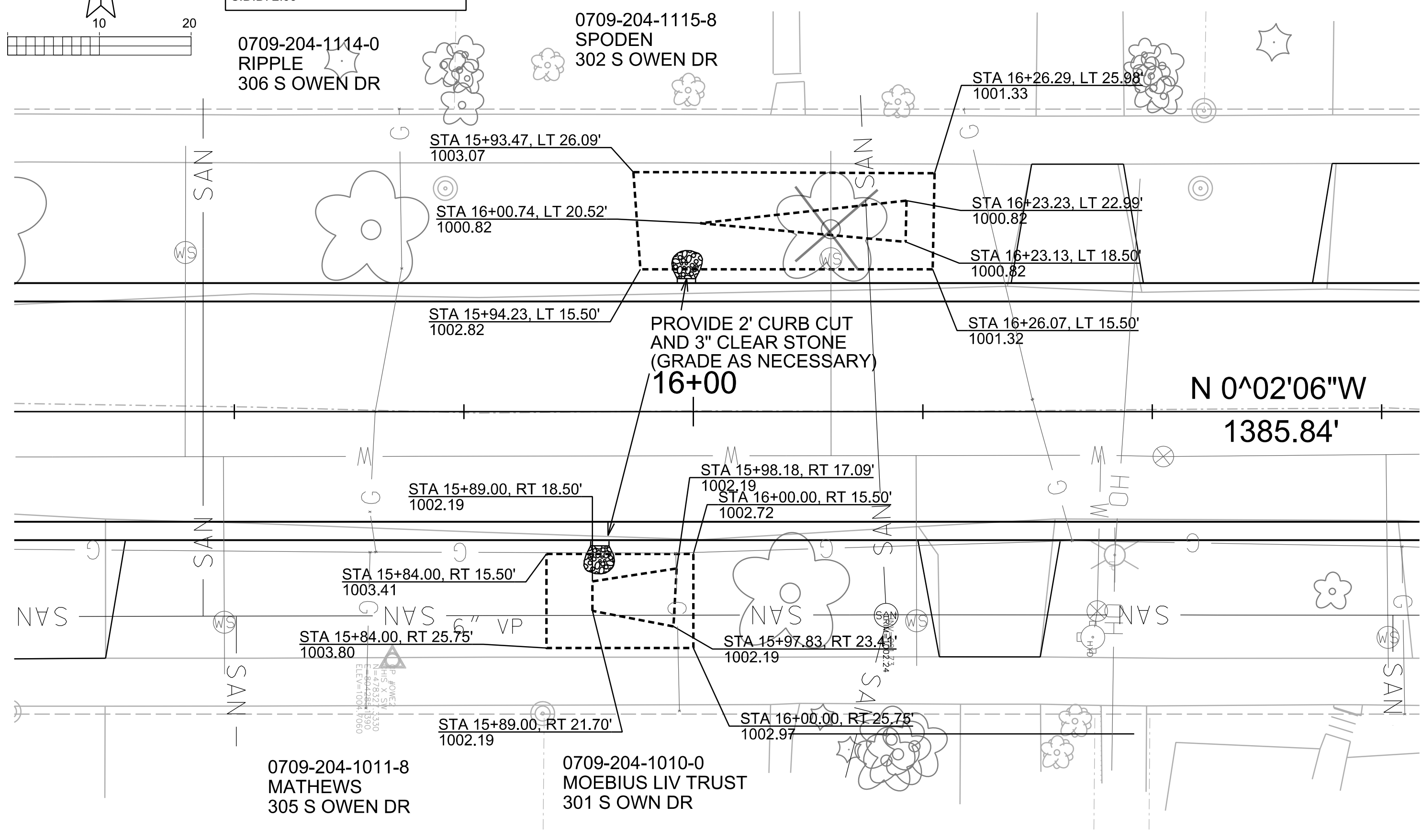
0709-204-1115-8  
SPODEN  
302 S OWEN DR

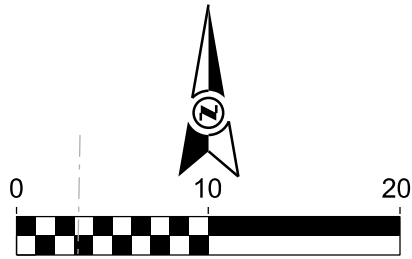
0709-204-1011-8  
MATHEWS  
305 S OWEN DR

0709-204-1010-0  
MOEBIUS LIV TRUST  
301 S OWEN DR



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





ALL GARDEN LIMITS TO BE 1FT  
OFF SIDEWALK AND BACK OF CURB.  
SLOPES TO BE 3:1. WORK PER  
S.D.D. 2.09

0709-204-1116-6  
SHEPPARD  
230 S OWEN DR

0709-204-1117-4  
NAVSARIA & HUNTINGTON  
226 S OWEN DR

STA 17+10.05, LT 26.15'  
996.45

STA 17+27.53, LT 26.21'  
995.62

STA 17+15.00, LT 21.22'  
994.80

STA 17+25.01, LT 23.75'  
994.80

STA 17+14.11, LT 19.09'  
994.80

STA 17+25.00, LT 16.56'  
994.80

STA 17+10.05, LT 15.00'  
996.18

STA 17+27.53, LT 15.00'  
995.32

PROVIDE 2' CURB CUT  
AND 3" CLEAR STONE  
(GRADE AS NECESSARY)

N 0°02'06"W  
1385.84'

17+00

18+00

4" Plastic

PLOT SCALE:

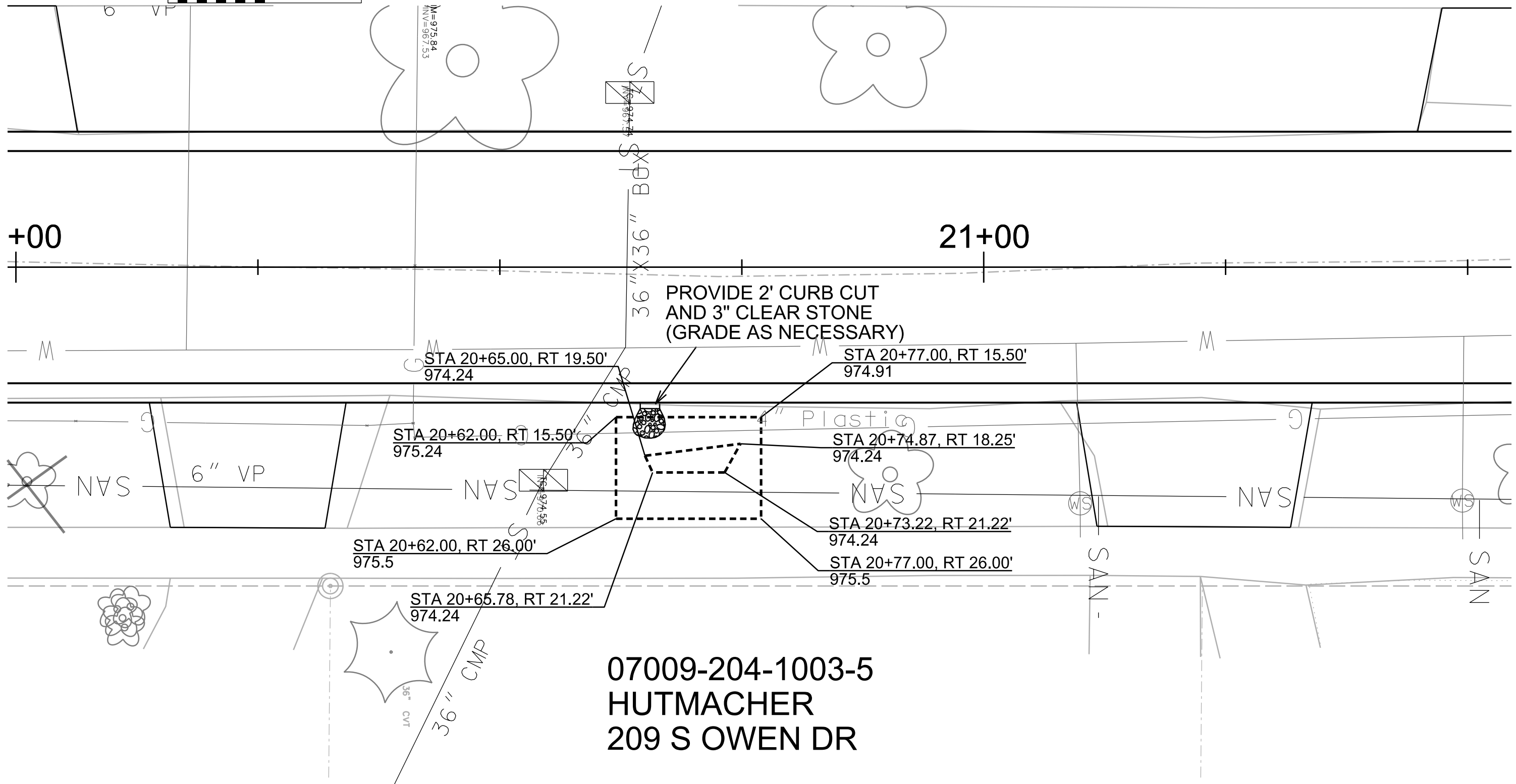
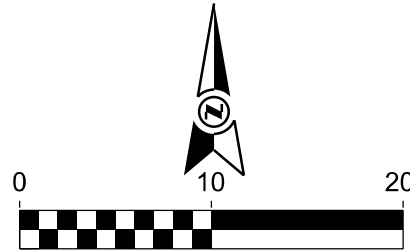
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



ALL GARDEN LIMITS TO BE 1FT  
OFF SIDEWALK AND BACK OF CURB.  
SLOPES TO BE 3:1. WORK PER  
S.D.D. 2.09



07009-204-1003-5  
HUTMACHER  
209 S OWEN DR

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION