

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

FEBRUARY 7, 2012

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

[Signature] 2/28/12
City Engineer Date

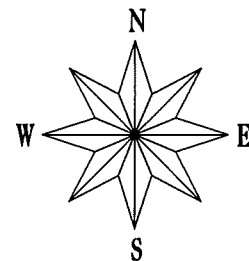
INDEX OF SHEETS

SHEET NO.	TITLE
1	DETAILS
DI	RAIN GARDEN DETAILS
RG1-RG2	EROSION CONTROL PLAN
EC1-EC4	STREET PLAN & PROFILE
PI-P4	UTILITY PLAN AND PROFILE
UI-U4	UTILITY SCHEDULES
U5-U7	WATER PLAN
W1-W4	WATER IMPACT PLAN
W5	WATER MATERIALS LIST
W6	CROSS SECTIONS
X1-X8	

SOUTH INGERSOLL STREET AND RUTLEDGE STREET ASSESSMENT DISTRICT - 2012

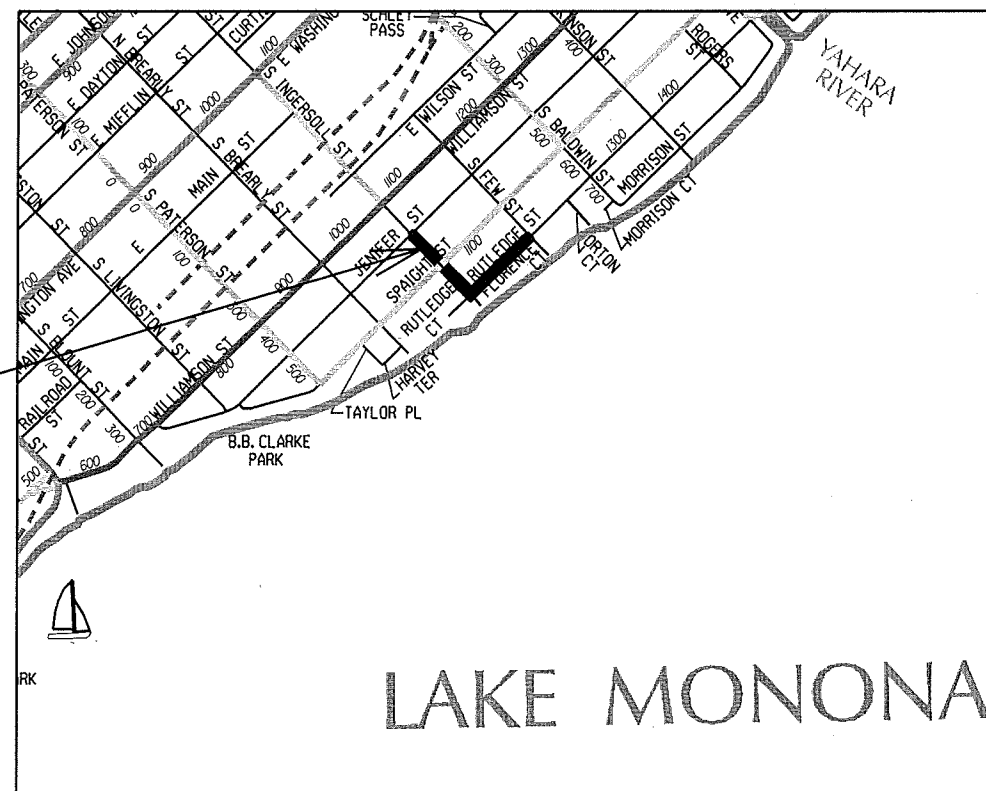
CITY PROJECT NO. 53W0603

CONTRACT NO. 6803



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	

CONSTRUCTION PROJECT LOCATION



LAKE MONONA

NOTES:

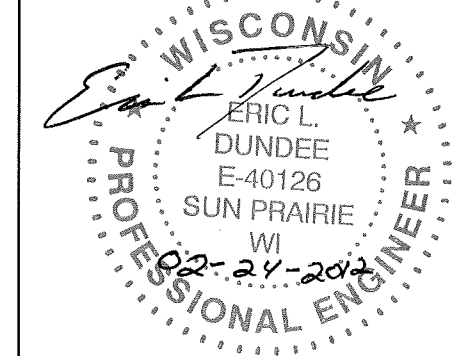
ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

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%.

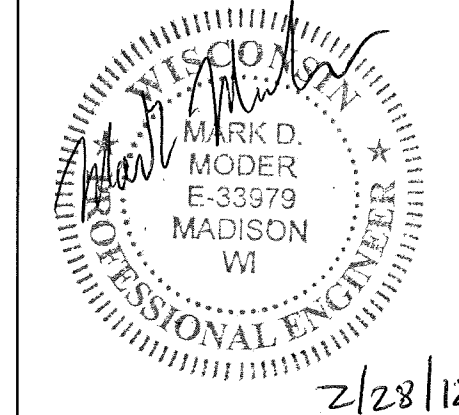
SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.

EARTH WORK SUMMARY:
EXCAVATION CUT (MEASURED PLAN QUANTITY).....1575 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT.....600 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT.....2175 C.Y.

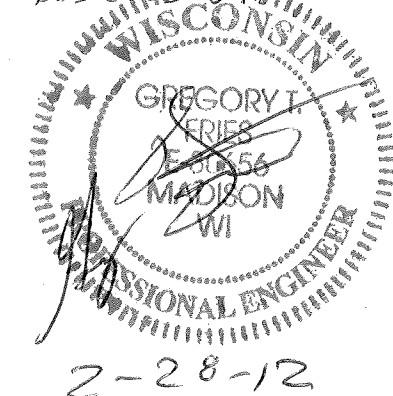
STREET DESIGNED BY:



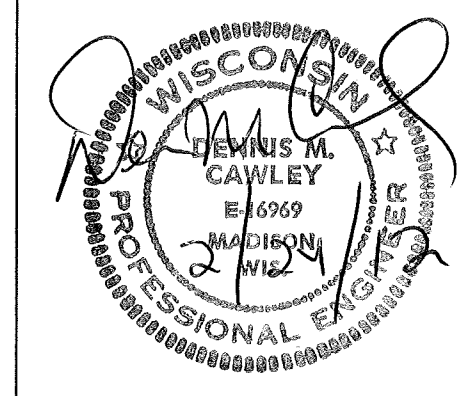
SANITARY SEWER DESIGNED BY:



STORM SEWER DESIGNED BY:



WATER DESIGNED BY:

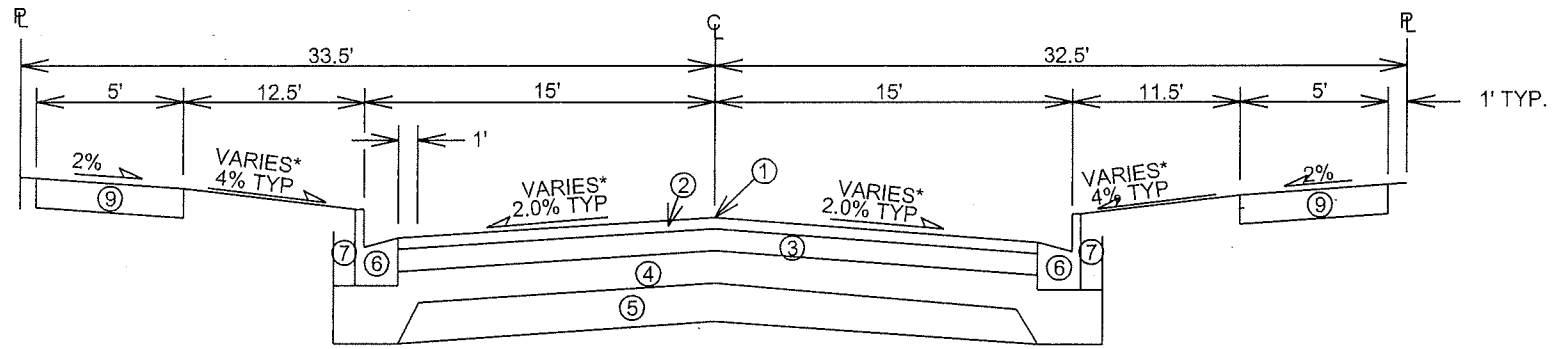


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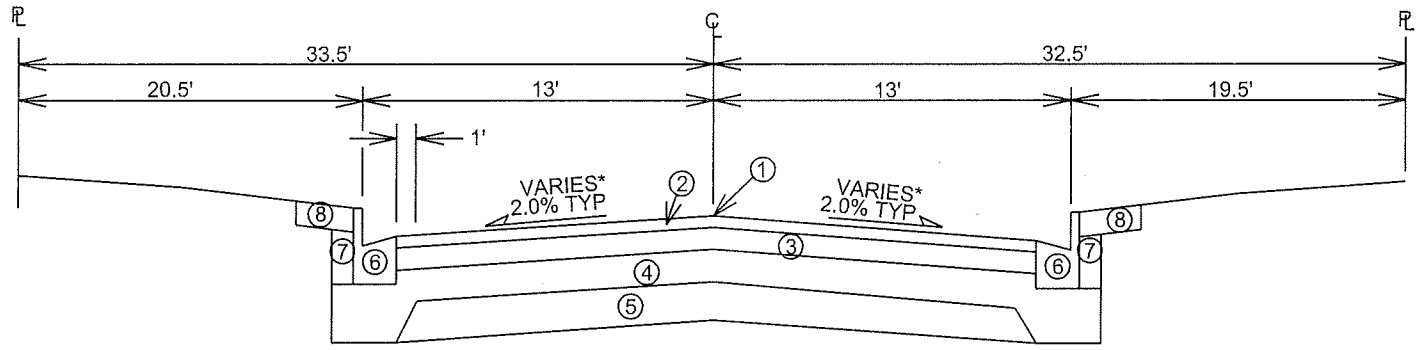
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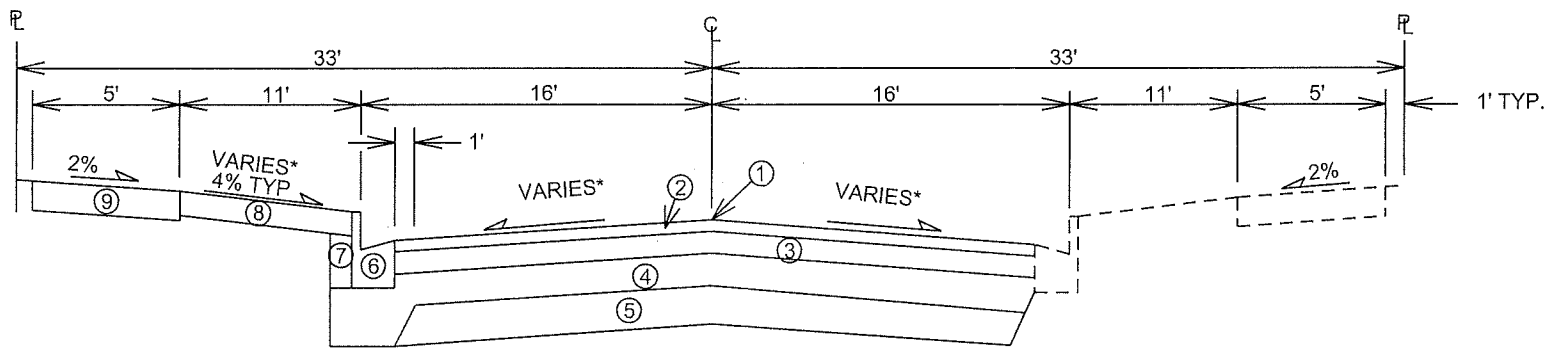
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



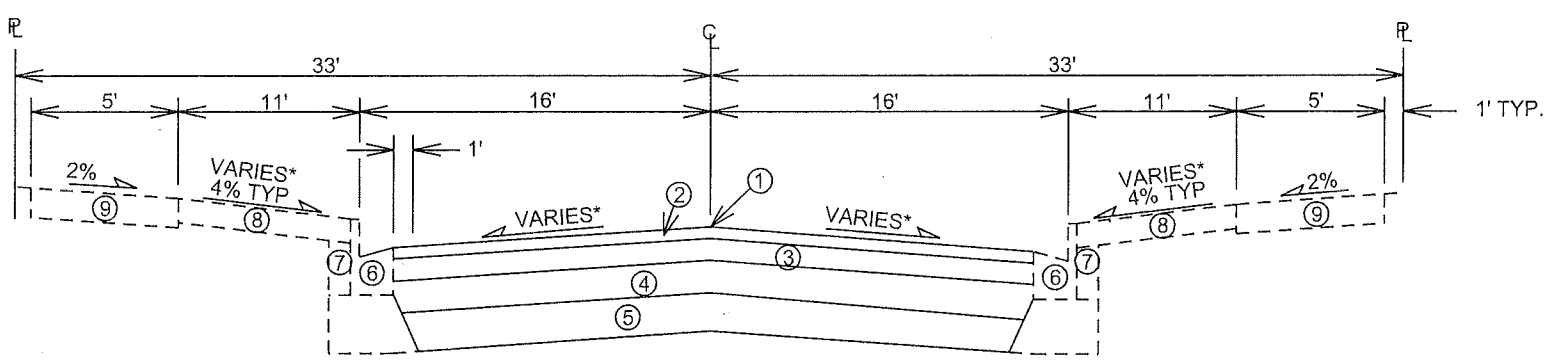
TYPICAL FINISHED SECTION
SOUTH INGERSOLL STREET - STA 10+75 - STA 17+00



TYPICAL FINISHED SECTION
SOUTH INGERSOLL STREET - STA 17+00 - STA 17+90



TYPICAL FINISHED SECTION
RUTLEDGE STREET - STA 30+90 - STA 31+50



TYPICAL FINISHED SECTION
RUTLEDGE STREET - STA 31+50 - STA 37+00

- ① POINT REFERRED TO ON PROFILE
- ② 1 3/4" BITUMINOUS UPPER LAYER, TYPE E-0.3
- ③ 1 3/4" BITUMINOUS LOWER LAYER, TYPE E-0.3
- ④ 4" GRADATION 2 CRUSHED STONE
- ⑤ 6" GRADATION 1 CRUSHED STONE
- ⑥ TYPE 'A' OR 'X' CONCRETE CURB & GUTTER
- ⑦ FILL
- ⑧ 4" TOPSOIL, SEED & MAT
- ⑨ 5" CONCRETE SIDEWALK, REPLACE AS NOTED IN PLAN

* SEE CROSS SECTION SHEETS FOR CROSS SLOPES AND TOP OF CURB ELEVATIONS.
TYPICAL SECTIONS NOT TO SCALE

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

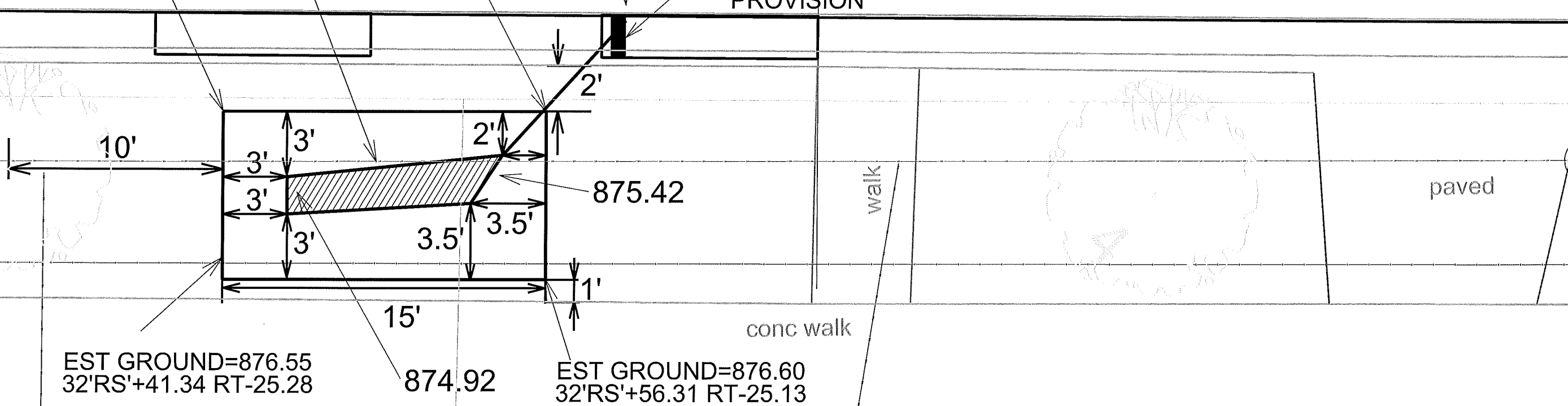
SLOPE BOTTOM
 OF RAINGARDEN
 FROM 875.42 TO 874.92

DEPRESS CURB
 FLOWLINE TO 8"

EST GROUND=875.92
 32'RS'+41.30 RT-18.57

EST GROUND=876.06
 32'RS'+56.27 RT-18.42

NEENAH R-3268
 CASTING AND
 6" PVC PER SPECIAL
 PROVISION



0710-073-0713-7
 DAHIR, GEORGE A
 1115 RUTLEDGE ST

33+00

SLOPE BOTTOM
OF RAINGARDEN
FROM 874.94 TO 874.44

EST GROUND=875.64
33'RS'+23.38 RT-20.26

DEPRESS CURB
FLOWLINE TO 8"

NEENAH R-3268
CASTING AND
6" PVC PER SPECIAL
PROVISION

EST GROUND=875.44
33'RS'+12.39 RT-20.38

874.44

874.94

2" PL

conc

paved

paved

walk

EST GROUND=876.43
33'RS'+12.40 RT-23.29

EST GROUND=876.17
33'RS'+23.40 RT-23.17

10'

15'

1'

0710-073-0712-9
LIZARD LLC
1121 RUTLEDGE ST

paved

Elec

walk

walk

conc

PLOT SCALE:

PLOT NAME:







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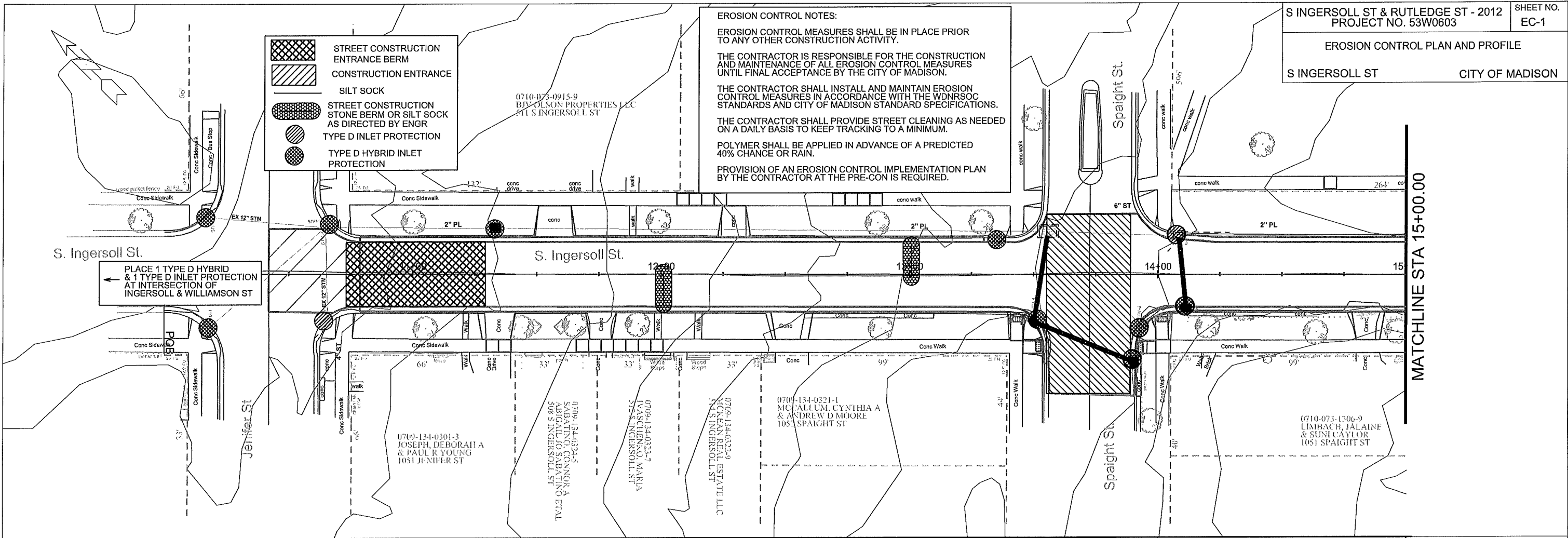
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

EROSION CONTROL PLAN AND PROFILE

S INGERSOLL ST CITY OF MADISON

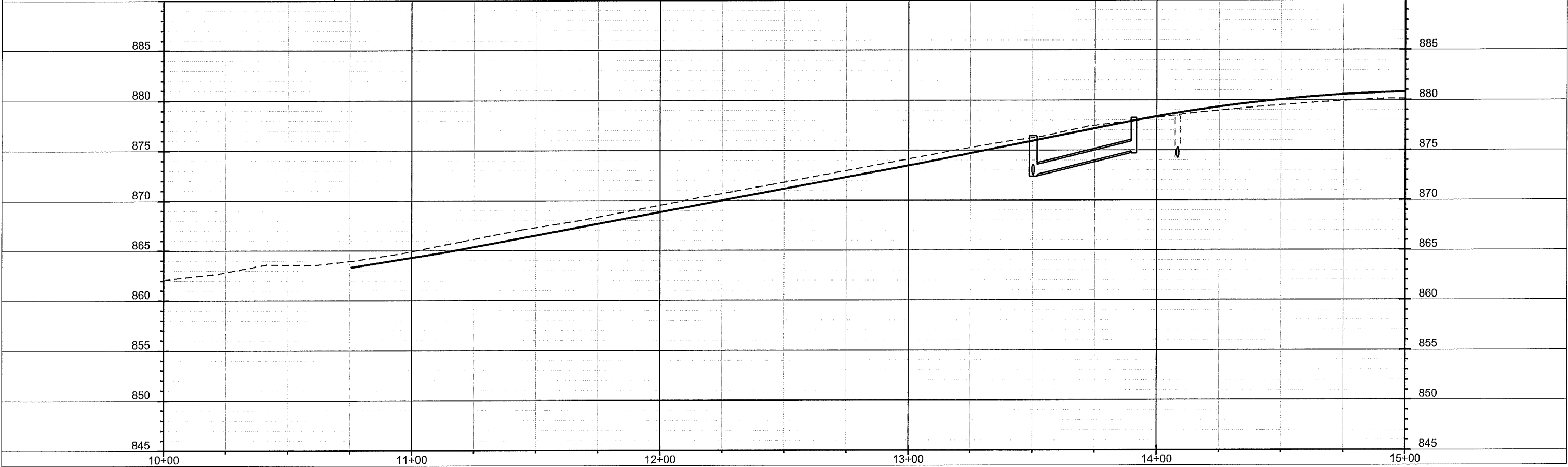
EROSION CONTROL NOTES:
 EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.
 THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.
 THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION 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.
 POLYMER SHALL BE APPLIED IN ADVANCE OF A PREDICTED 40% CHANCE OR RAIN.
 PROVISION OF AN EROSION CONTROL IMPLEMENTATION PLAN BY THE CONTRACTOR AT THE PRE-CON IS REQUIRED.

-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  SILT SOCK
-  STREET CONSTRUCTION STONE BERM OR SILT SOCK AS DIRECTED BY ENGR
-  TYPE D INLET PROTECTION
-  TYPE D HYBRID INLET PROTECTION



PLACE 1 TYPE D HYBRID & 1 TYPE D INLET PROTECTION AT INTERSECTION OF INGERSOLL & WILLIAMSON ST

MATCHLINE STA 15+00.00





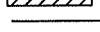



PLOT SCALE:

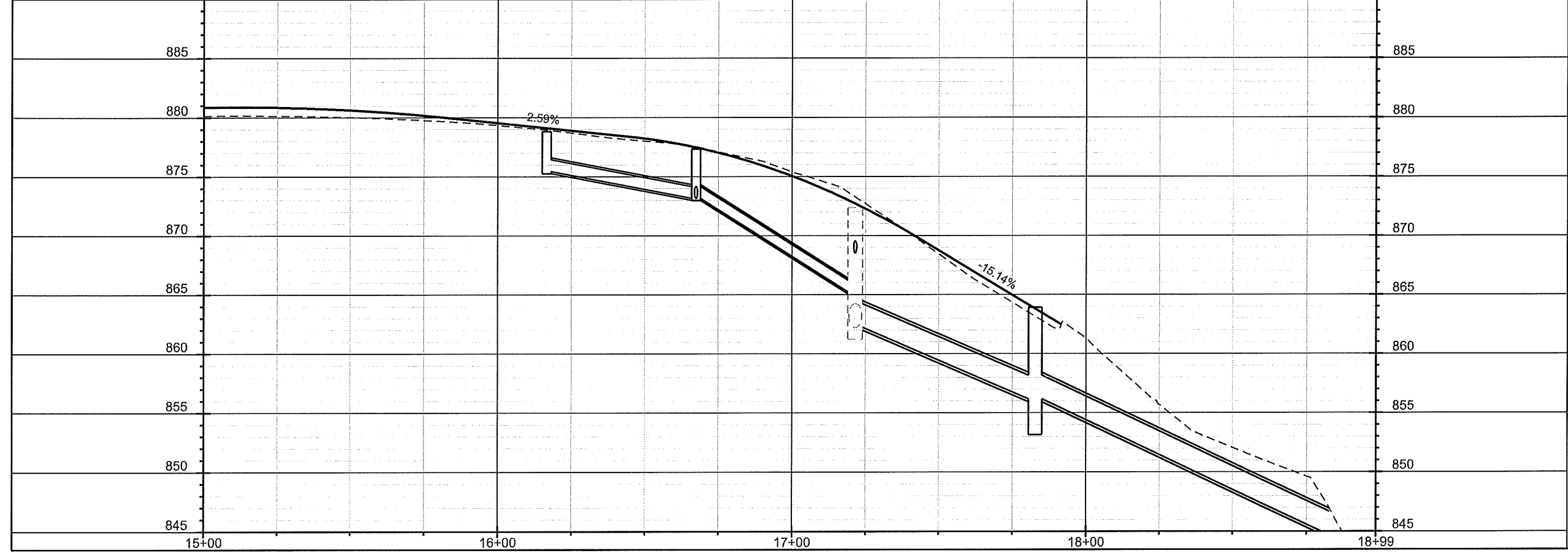
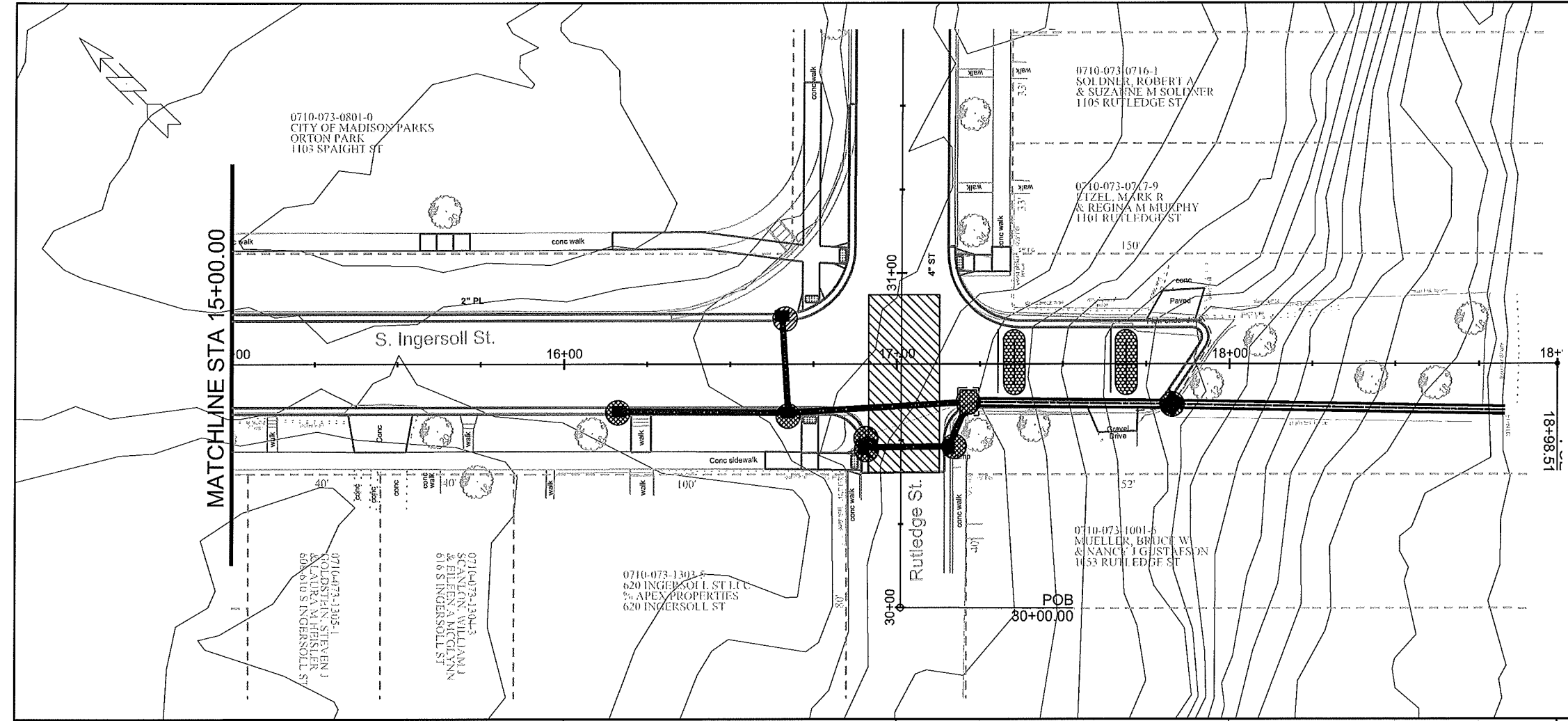
PLOT NAME:

REV. DATE:

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	CONSTRUCTION ENTRANCE
	SILT SOCK
	STREET CONSTRUCTION STONE BERM OR SILT SOCK AS DIRECTED BY ENGR
	TYPE D INLET PROTECTION
	TYPE D HYBRID INLET PROTECTION



PLOT SCALE: _____







PLOT NAME: _____

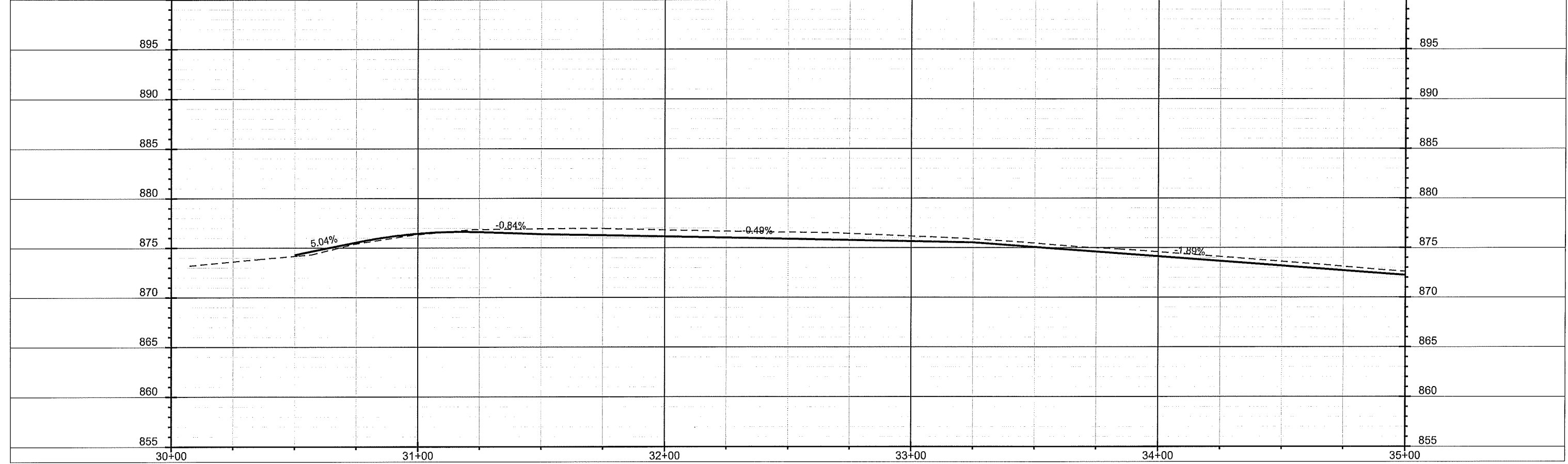
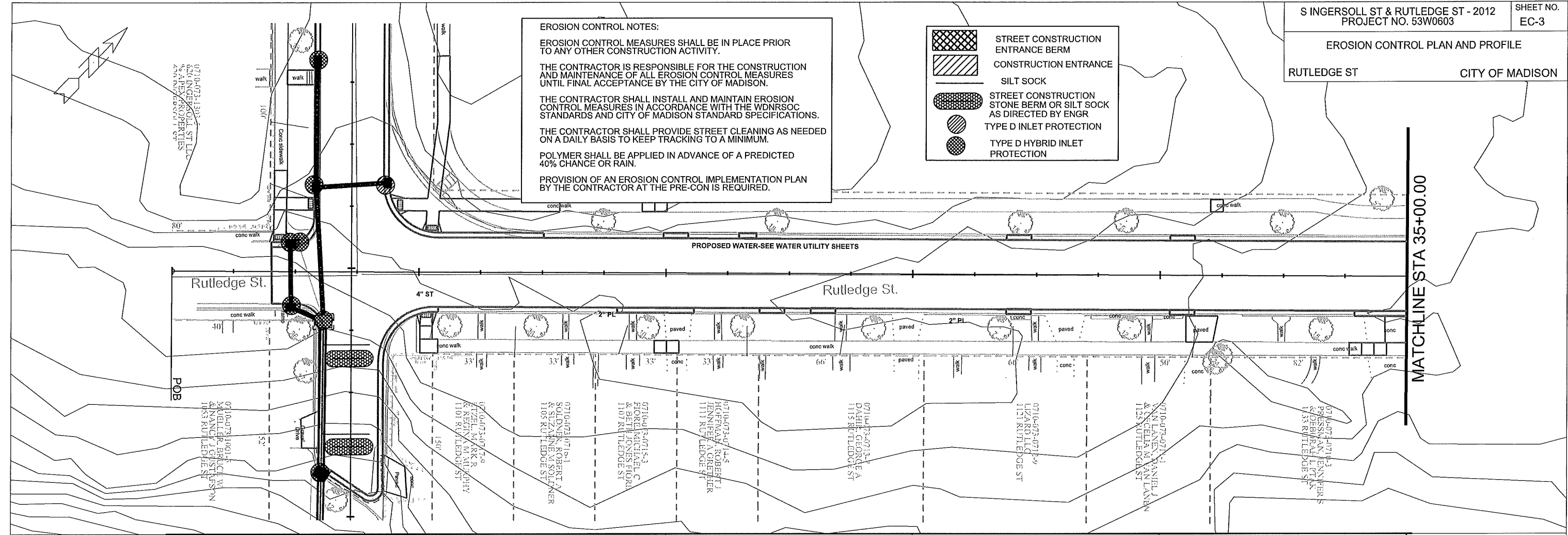
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

EROSION CONTROL PLAN AND PROFILE
RUTLEDGE ST CITY OF MADISON

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	TYPE D INLET PROTECTION
	TYPE D HYBRID INLET PROTECTION

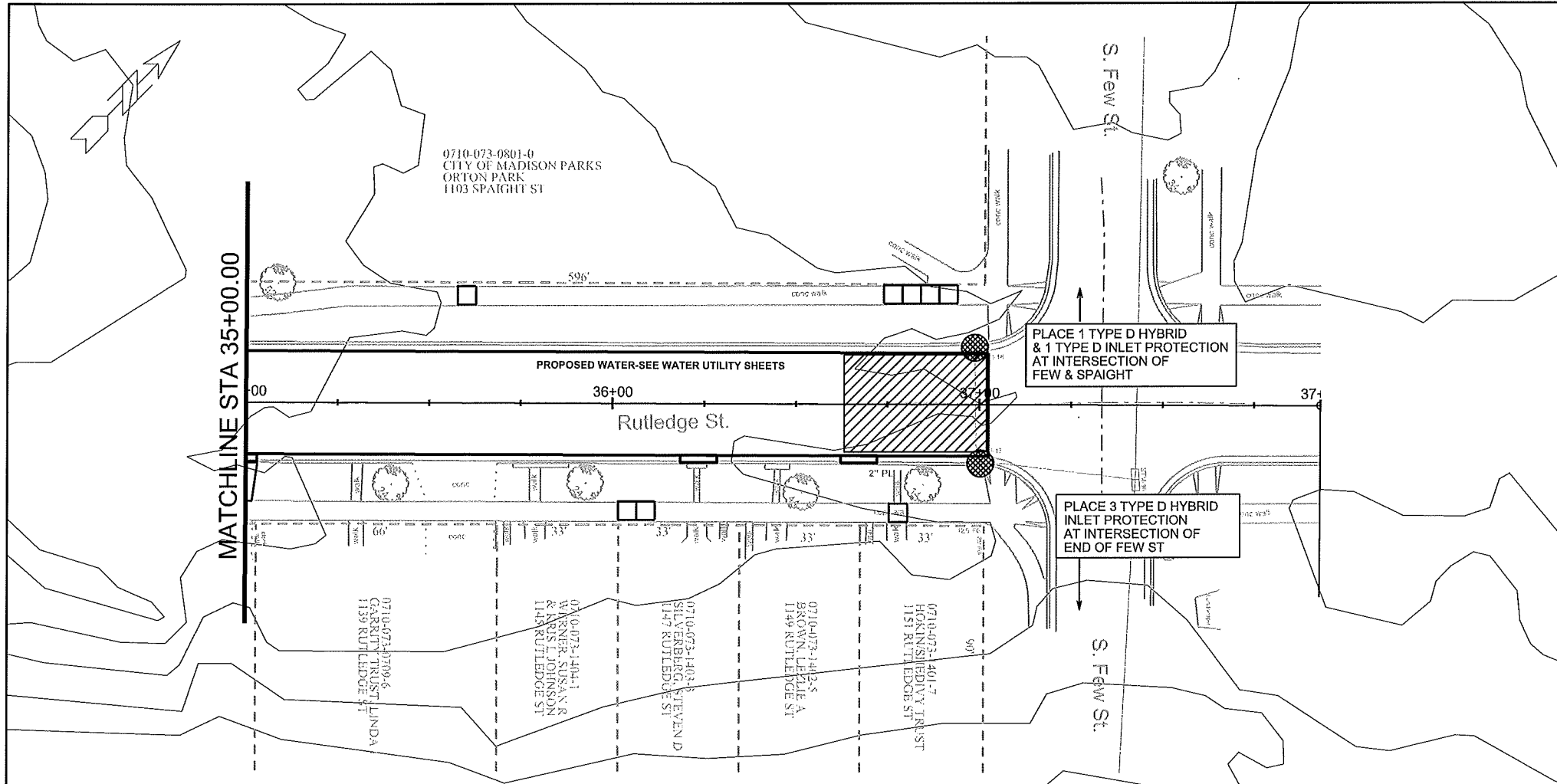


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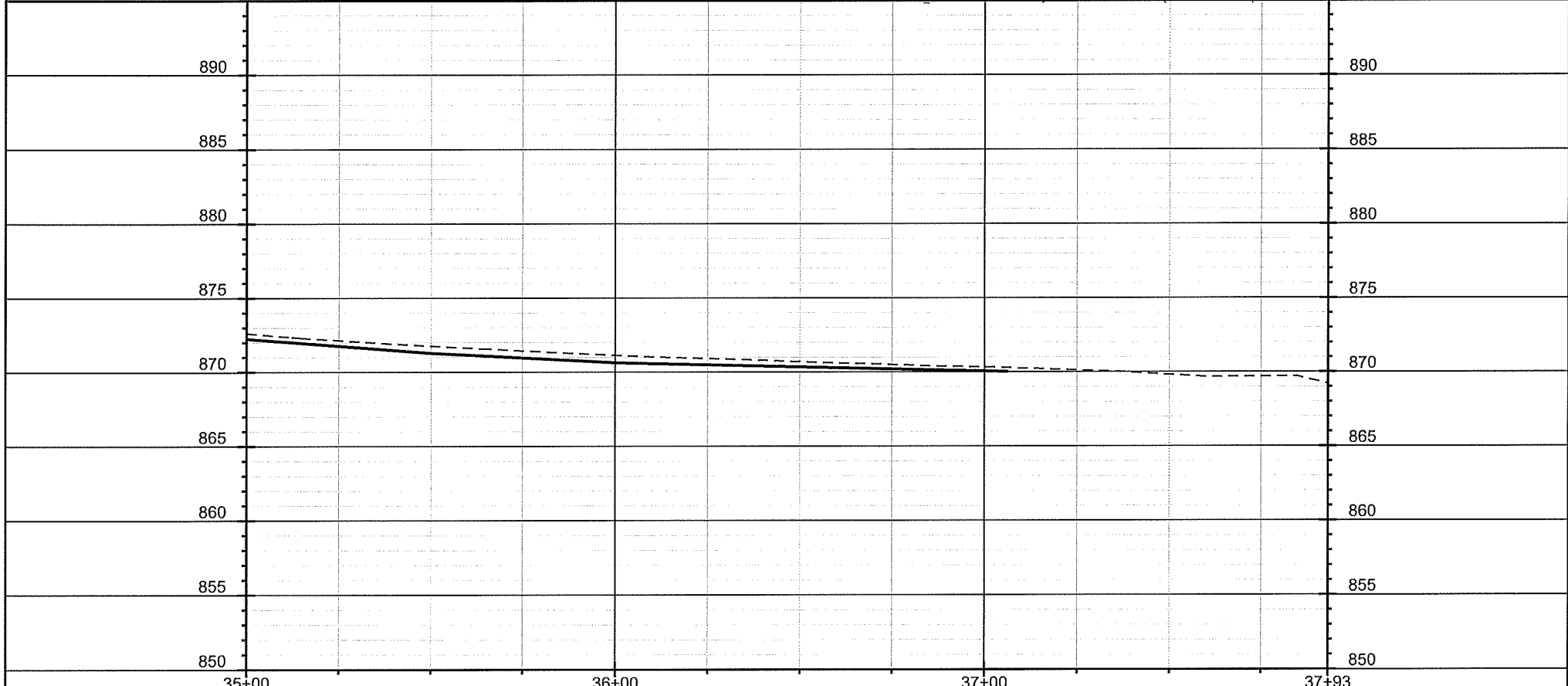
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	STREET CONSTRUCTION STONE BERM OR SILT SOCK AS DIRECTED BY ENGR
	TYPE D INLET PROTECTION
	TYPE D HYBRID INLET PROTECTION



PLOT SCALE:

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REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

NO.	STA/LOC	DESCRIPTION	ELEV
1	13+47.43, 35.15' RT	TOP OF HYDRANT	880.07

0709-131-2503-9
 THORNTON, SCOTT B
 1104 JENIFER ST

0710-073-0915-9
 BJV OLSON PROPERTIES LLC
 511 S INGERSOLL ST

0710-073-0916-7
 MINGMT OF WALDEN HOMES INC
 1102 SPAIGHT ST

S. Ingersoll St. 2" MILL AND OVERLAY

N=485289.81
 E=826189.65
 CP# INC3
 N=485284.99
 E=826177.46
 ELEV=863.21

0709-134-0229-7
 GARBUTT, MAX A
 1054 JENIFER ST

Jenifer St

0709-134-0301-3
 JOSEPH, DEBORAH A
 & PAUL R YOUNG
 1051 JENIFER ST

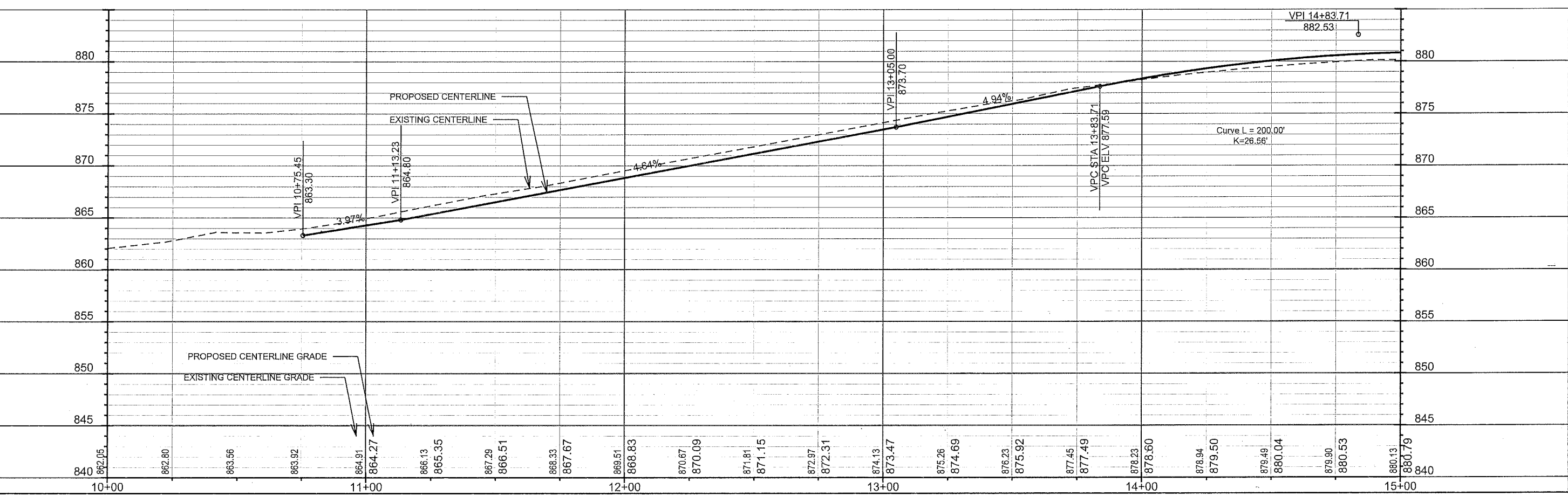
0709-134-0324-5
 SABATINO, CONNOR A
 ARBAGLIO, SABATINO ETAL
 518 S INGERSOLL ST

0709-134-0323-7
 SCUDLINO, MARIA
 512 S INGERSOLL ST

0709-134-0322-9
 MCKEAN REAL ESTATE LLC
 514 S INGERSOLL ST

0709-134-0321-1
 MCCALLUM, CYNTHIA A
 & ANDREW D MOORE
 1052 SPAIGHT ST

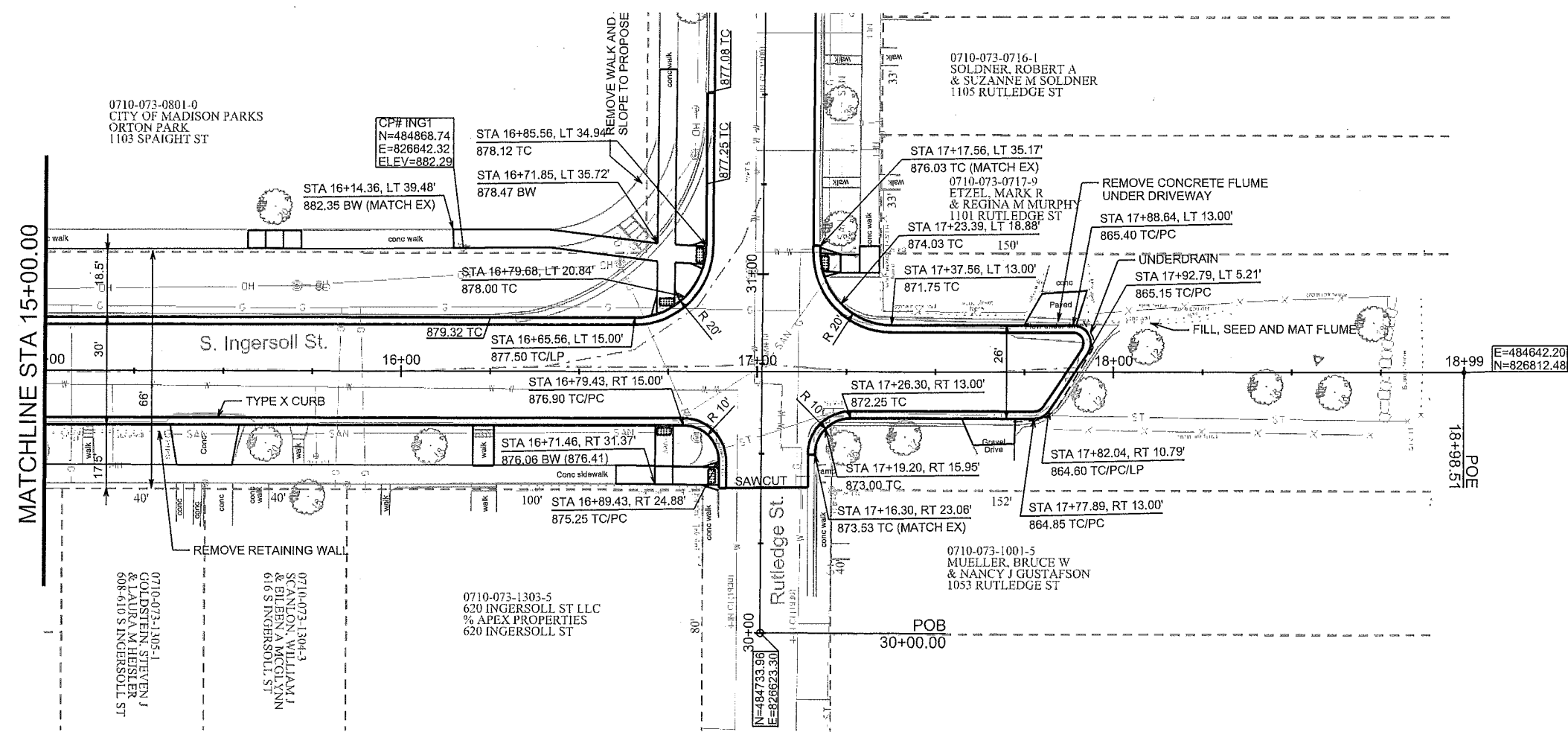
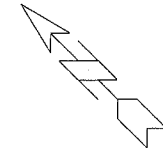
0710-073-1306-9
 LIMBACH, JALAINA
 & SUNI CAYLOR
 1051 SPAIGHT ST



PLOT SCALE:

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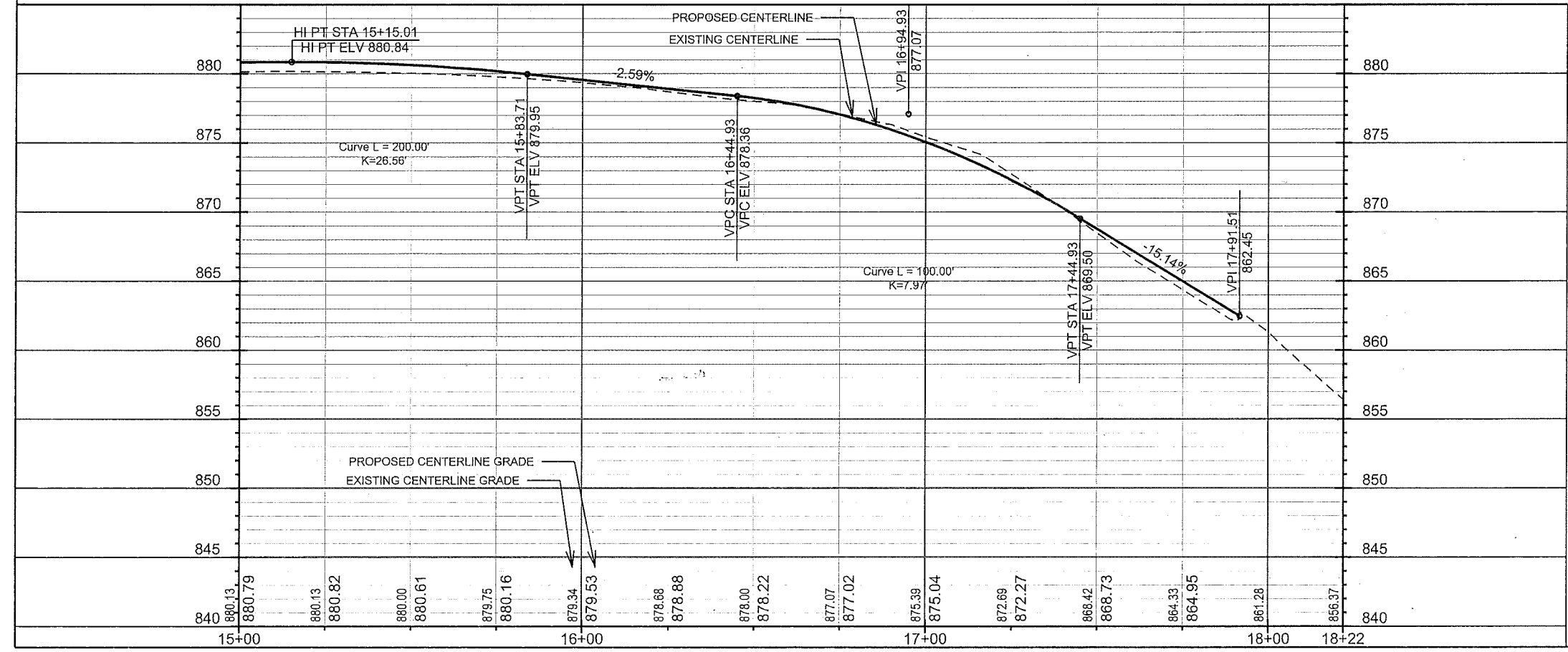


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



0710-073-1303-5
 620 INGERSOLL ST, LLC
 620 INGERSOLL ST
 620 INGERSOLL ST
 620 INGERSOLL ST

0710-073-0801-0
 CITY OF MADISON PARKS
 ORTON PARK
 1103 SPAIGHT ST

0710-073-1001-5
 MUELLER, BRUCE W
 & NANCY J GUSTAFSON
 1053 RUTLEDGE ST

0710-073-0717-9
 ETZEL, MARK R
 & REGINA M MURPHY
 1101 RUTLEDGE ST

0710-073-0716-1
 SOLDNER, ROBERT A
 & SUZANNE M SOLDNER
 1105 RUTLEDGE ST

0710-073-0715-3
 FLORE, MICHAEL C
 & BETTI JONES FLORE
 1107 RUTLEDGE ST

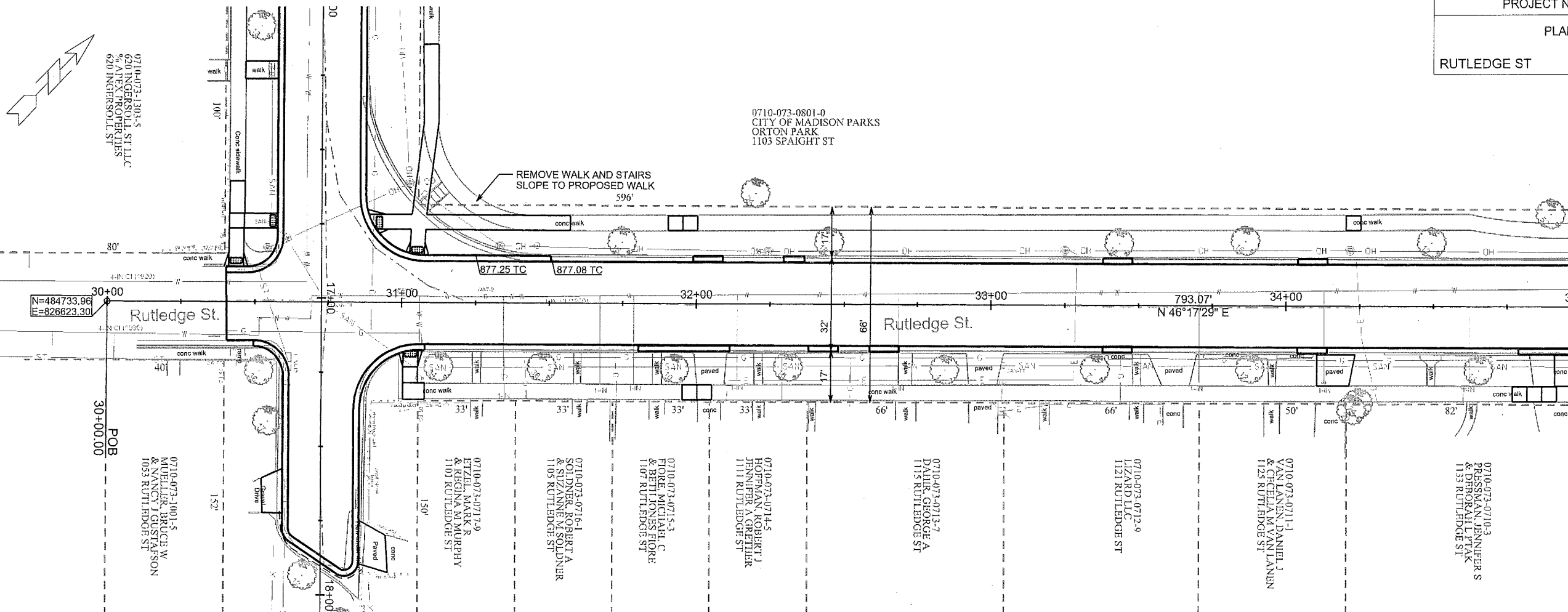
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 HOFFMAN, ROBERT J
 JENNIFER A GRETTIER
 1111 RUTLEDGE ST

0710-073-0713-7
 DAUER, GEORGE A
 1115 RUTLEDGE ST

0710-073-0712-9
 LIZARD, LLC
 1121 RUTLEDGE ST

0710-073-0711-1
 VON SINGEN, DANIEL J
 & CHRISTINA DANIELA
 1125 RUTLEDGE ST

0710-073-0710-3
 PRUSSAN, JENNIFER S
 & DEBORAH L PFAK
 1133 RUTLEDGE ST



MATCHLINE STA 35+00.00

N=484733.96
 E=826623.30

POB
 30+00.00

Rutledge St.

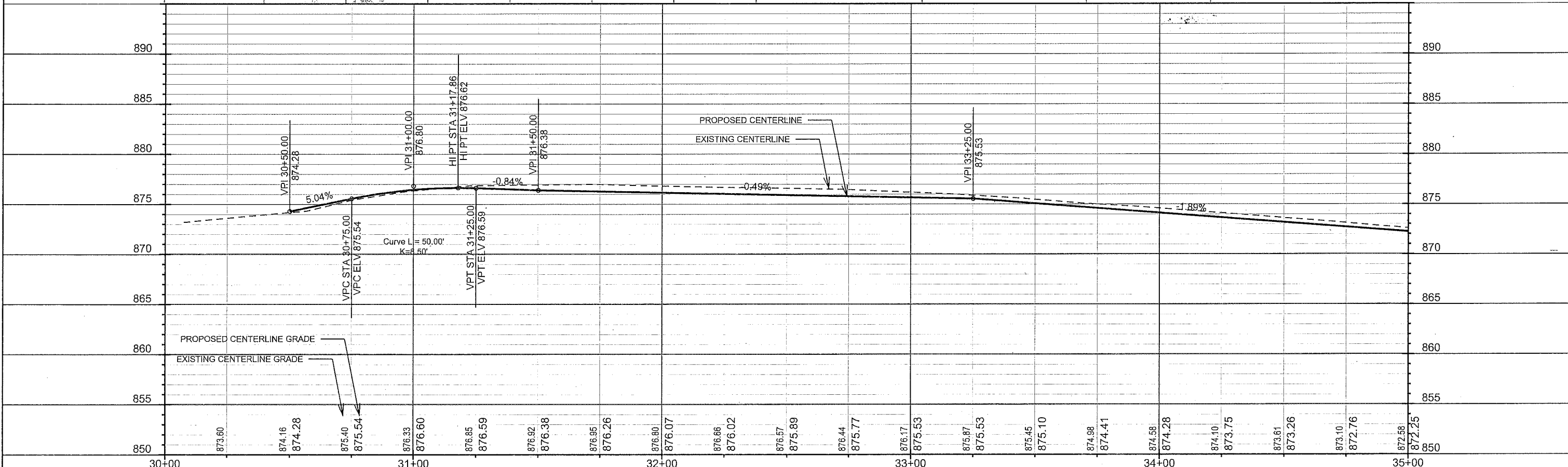
Rutledge St.

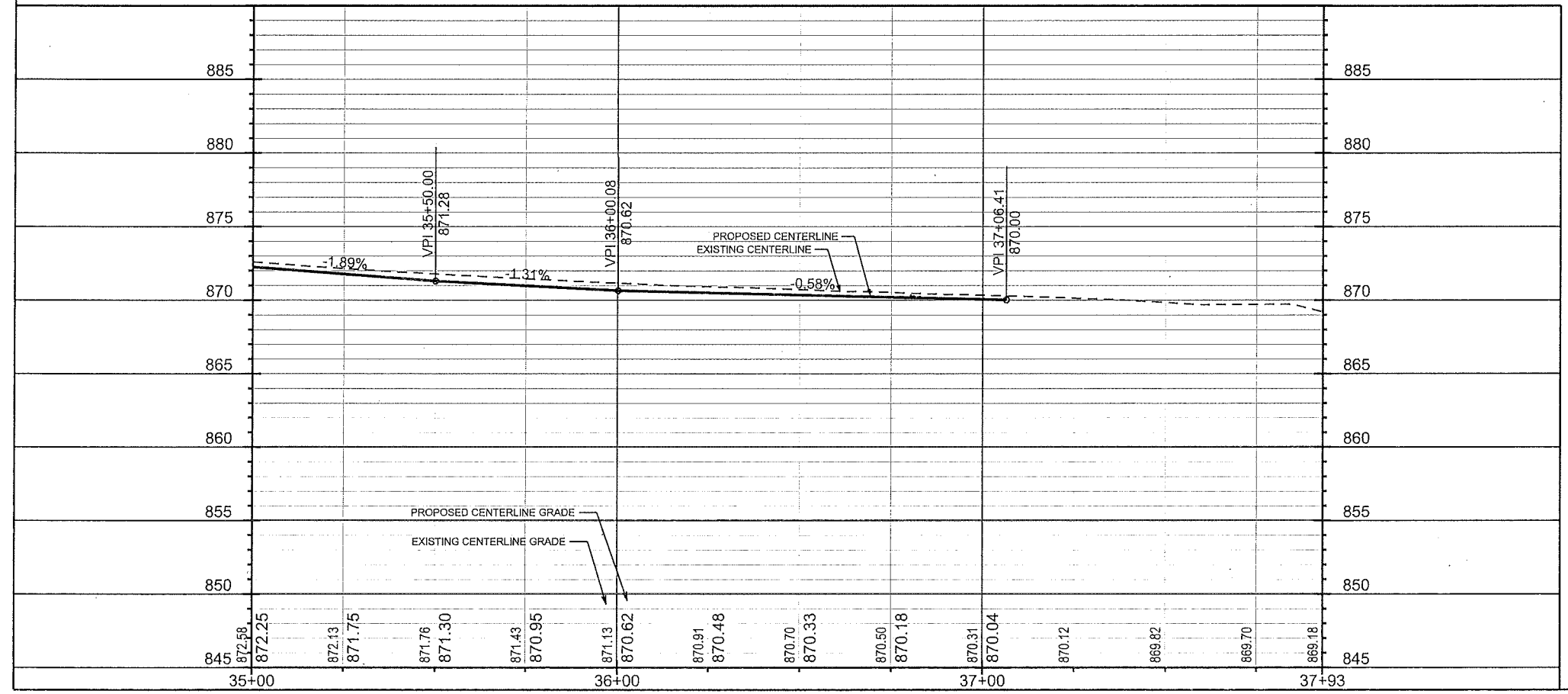
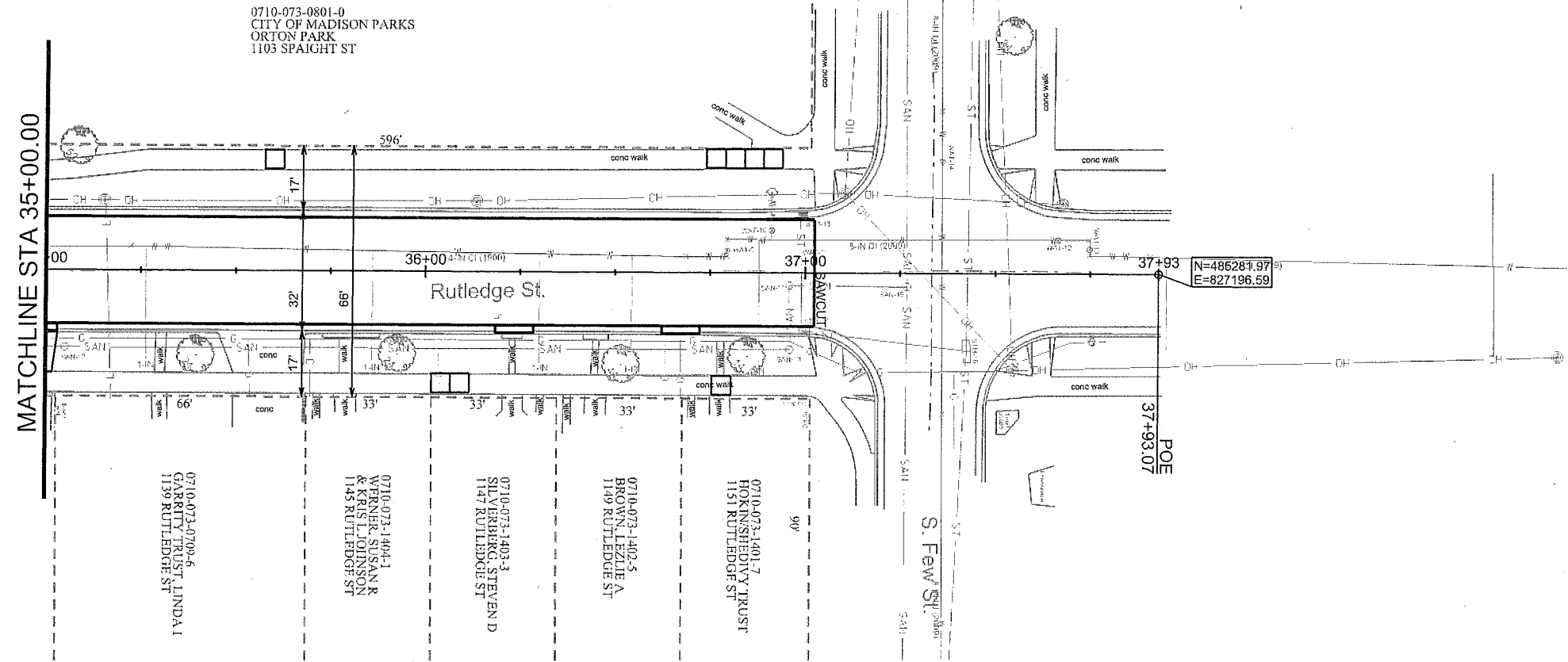
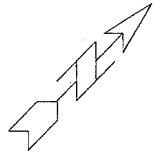
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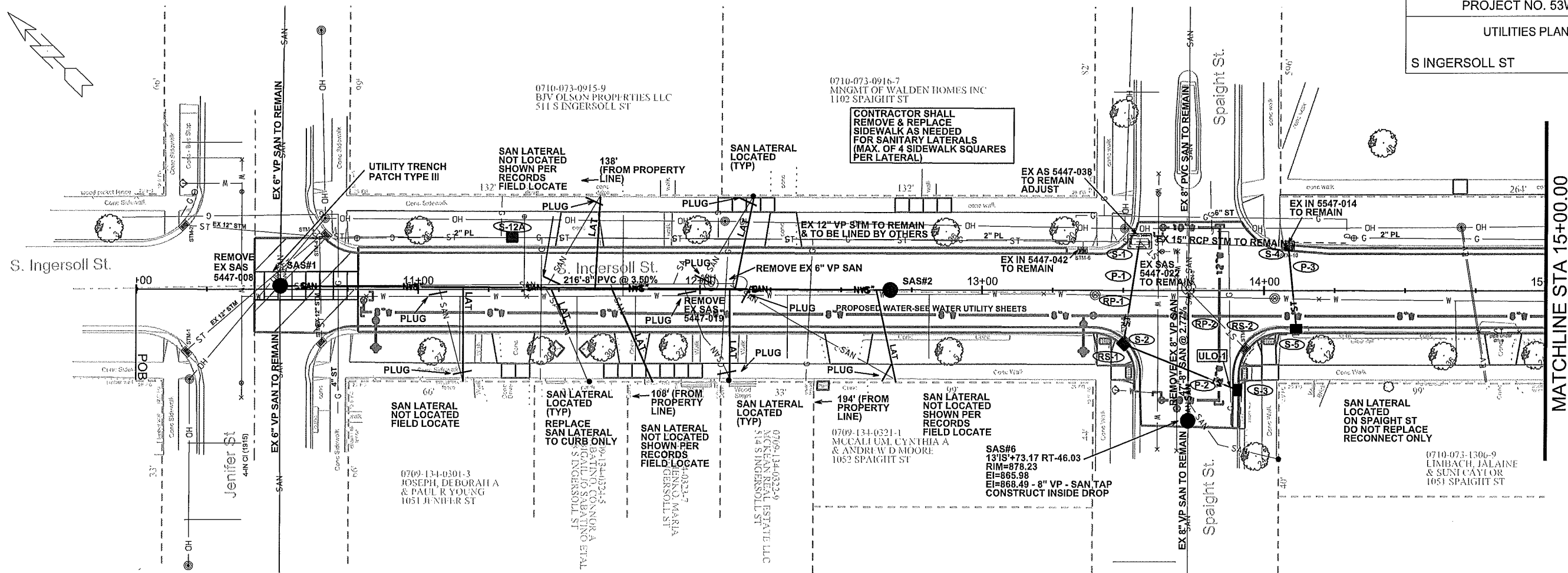
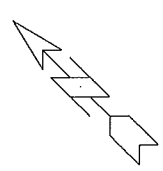
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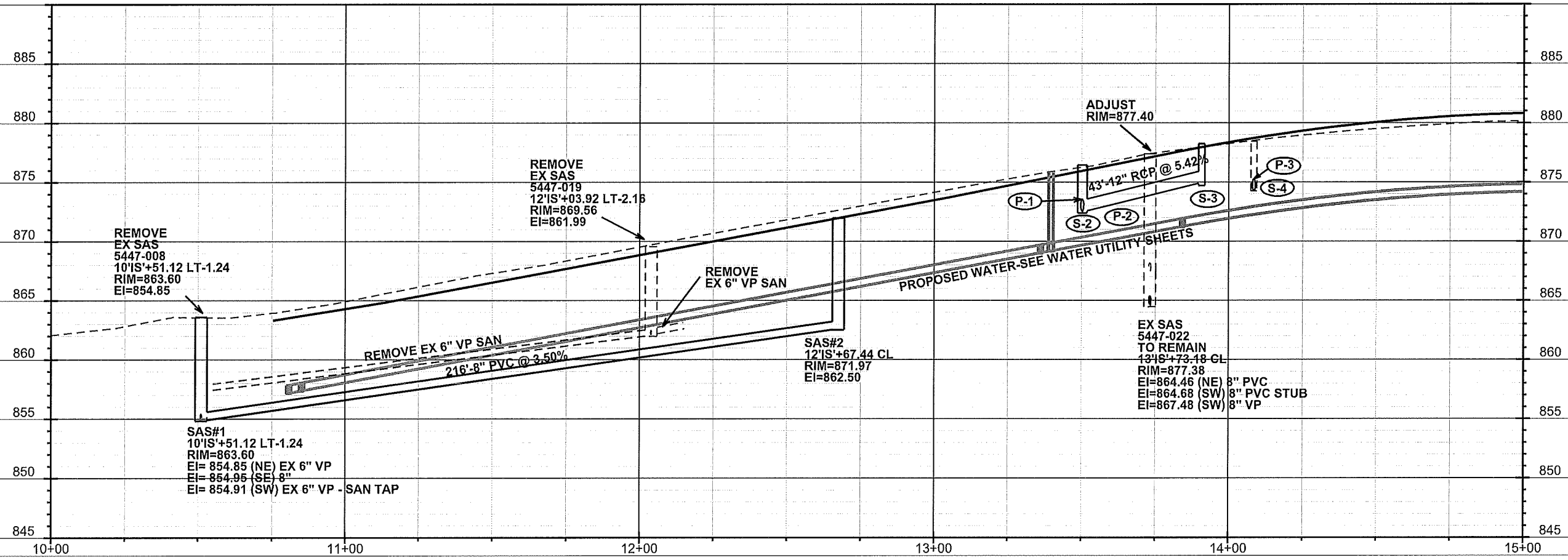
MATCHLINE STA 15+00.00

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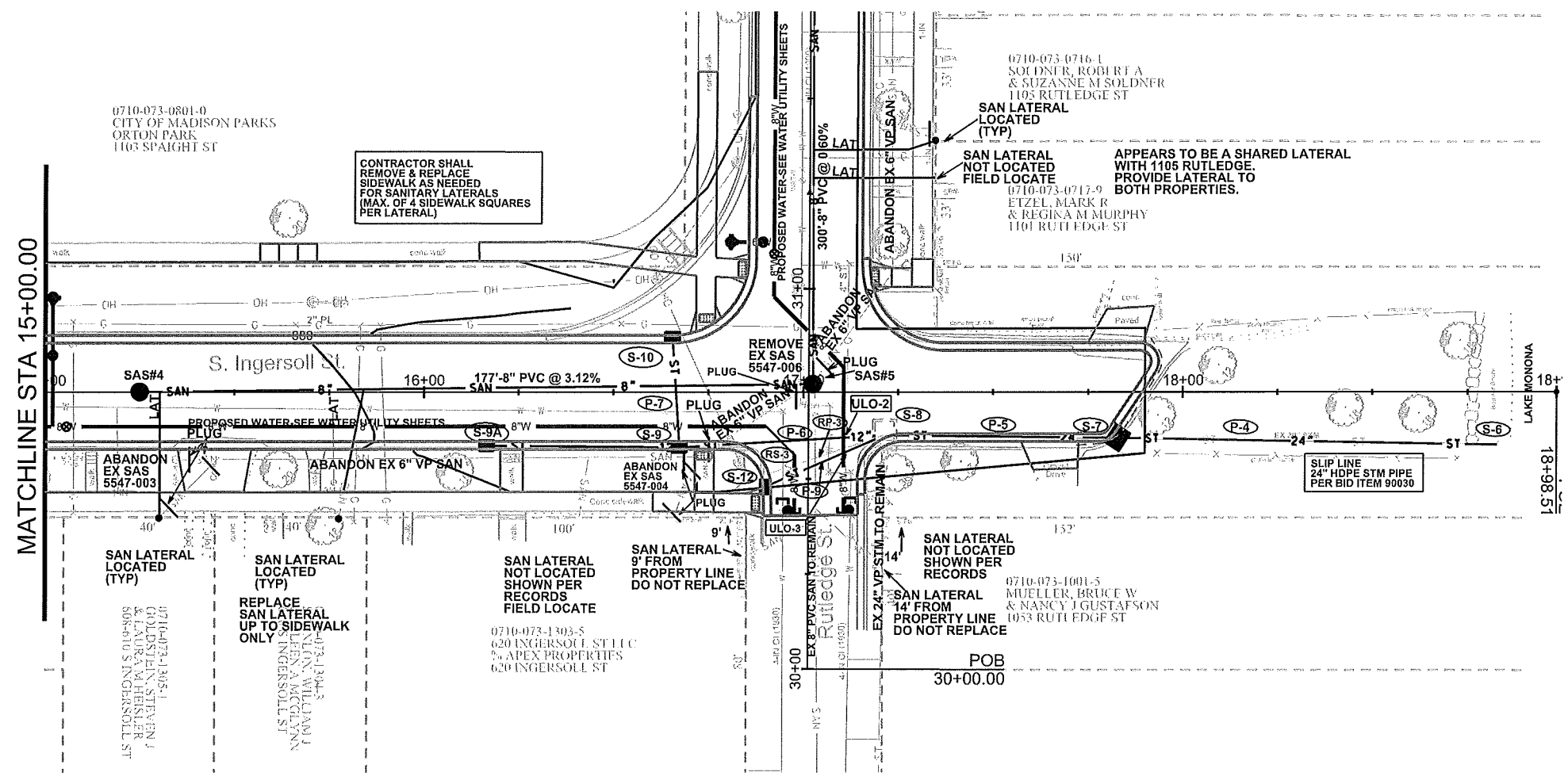
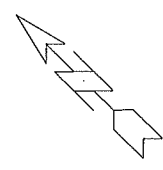
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



UTILITIES PLAN AND PROFILE

S INGERSOLL ST CITY OF MADISON

REVISED 5/2/12 EEA



MATCHLINE STA 15+00.00

LAKE MONONA

POB
30+00.00

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

APPEARS TO BE A SHARED LATERAL WITH 1105 RUTLEDGE. PROVIDE LATERAL TO BOTH PROPERTIES.

SLIP LINE
24" HDPE STM PIPE
PER BID ITEM 90030

0710-073-0801-0
CITY OF MADISON PARKS
ORTON PARK
1103 SPAIGHT ST

0710-073-0716-1
SOLDNER, ROBERT A
& SUZANNE M SOLDNER
1195 RUTLEDGE ST

0710-073-0717-9
ETZEL, MARK R
& REGINA M MURPHY
1101 RUTLEDGE ST

SAN LATERAL LOCATED (TYP)

SAN LATERAL LOCATED (TYP)

SAN LATERAL NOT LOCATED SHOWN PER RECORDS FIELD LOCATE

SAN LATERAL 9' FROM PROPERTY LINE DO NOT REPLACE

SAN LATERAL NOT LOCATED SHOWN PER RECORDS

SAN LATERAL 14' FROM PROPERTY LINE DO NOT REPLACE

0710-073-1303-5
620 INGERSOLL ST LLC
9 APEX PROPERTIES
620 INGERSOLL ST

0710-073-1001-5
MUELLER, BRUCE W
& NANCY I GUSTAFSON
1033 RUTLEDGE ST

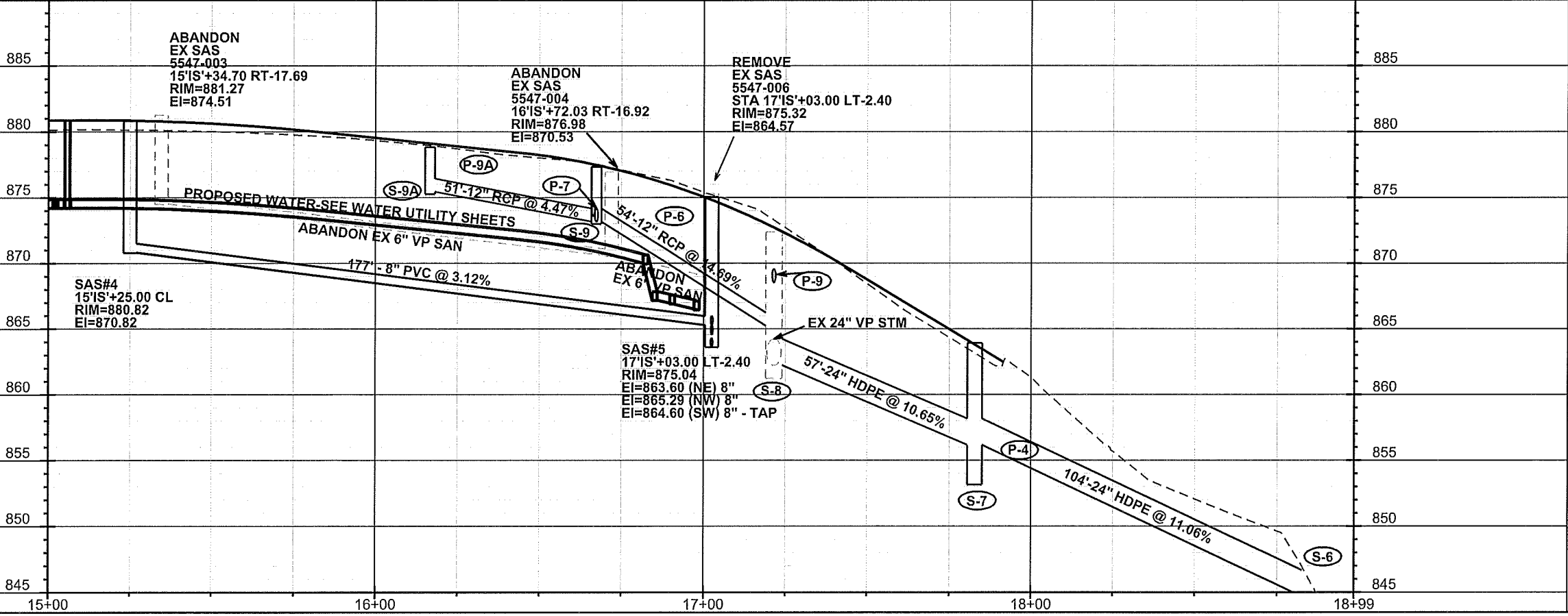
ABANDON EX SAS 5547-003
15'S'+34.70 RT-17.69
RIM=881.27
EI=874.51

ABANDON EX SAS 5547-004
16'S'+72.03 RT-16.92
RIM=876.98
EI=870.53

REMOVE EX SAS 5547-006
STA 17'S'+03.00 LT-2.40
RIM=875.32
EI=864.57

SAS#4
15'S'+25.00 CL
RIM=880.82
EI=870.82

SAS#5
17'S'+03.00 LT-2.40
RIM=875.04
EI=863.60 (NE) 8"
EI=865.29 (NW) 8"
EI=864.60 (SW) 8" - TAP



PLOT SCALE:

PLOT NAME:

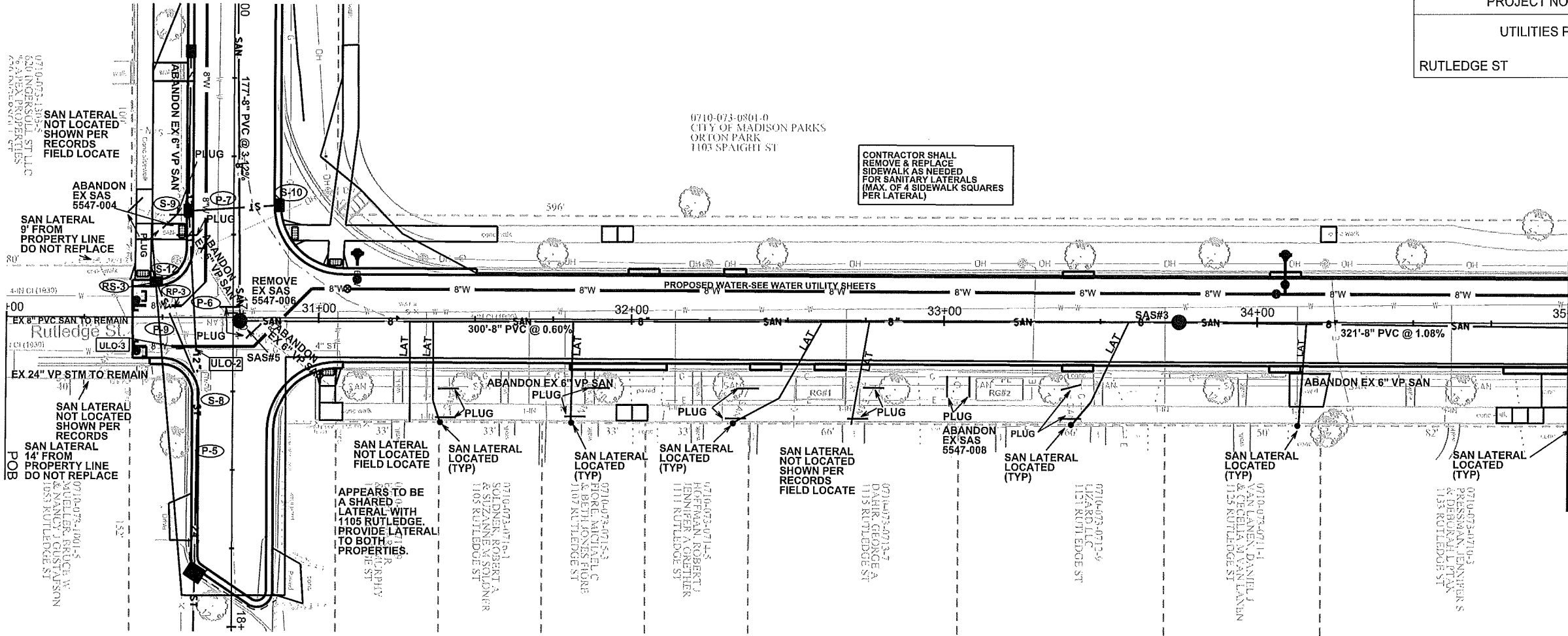
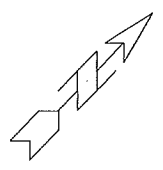
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITIES PLAN AND PROFILE

RUTLEDGE ST CITY OF MADISON

REVISED 5/2/12 EEA



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

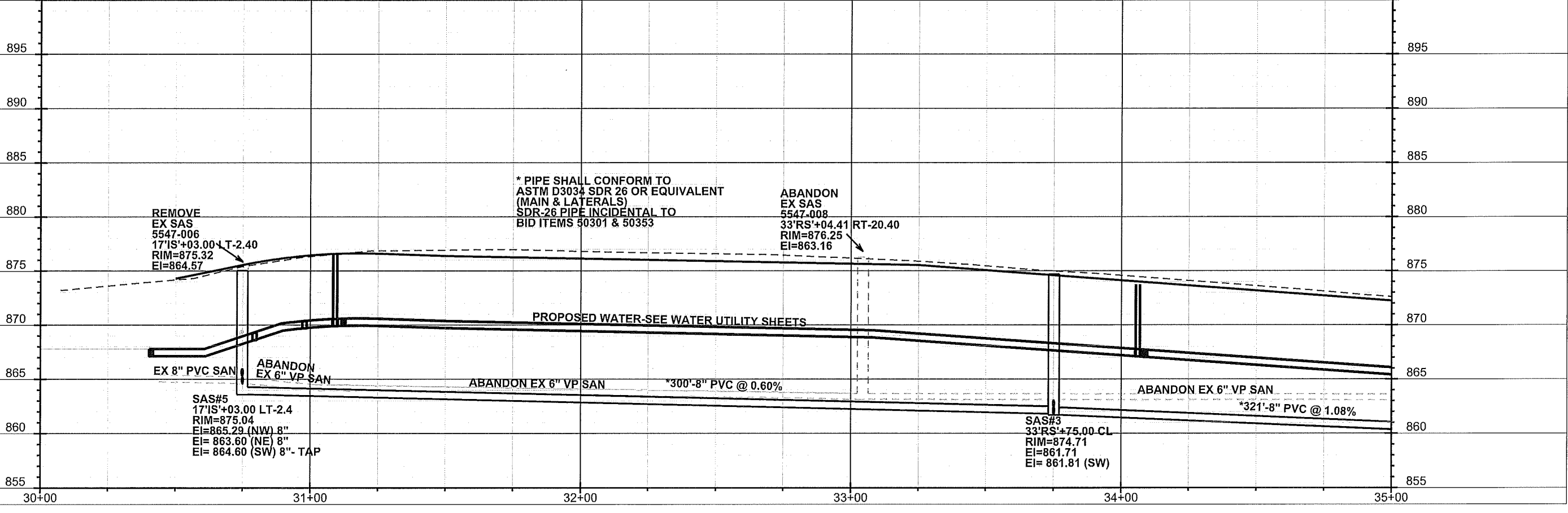
MATCHLINE STA 35+00.00

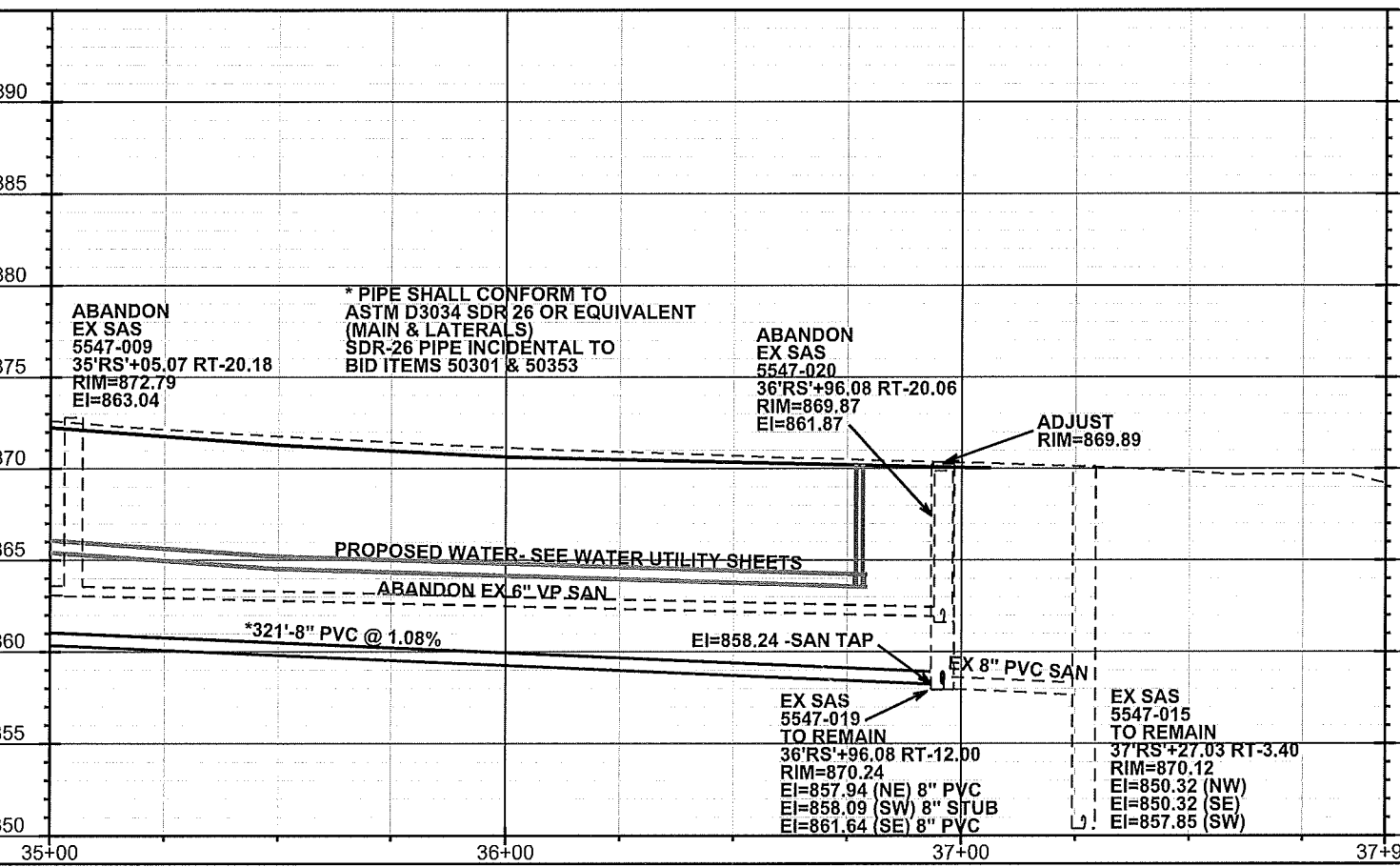
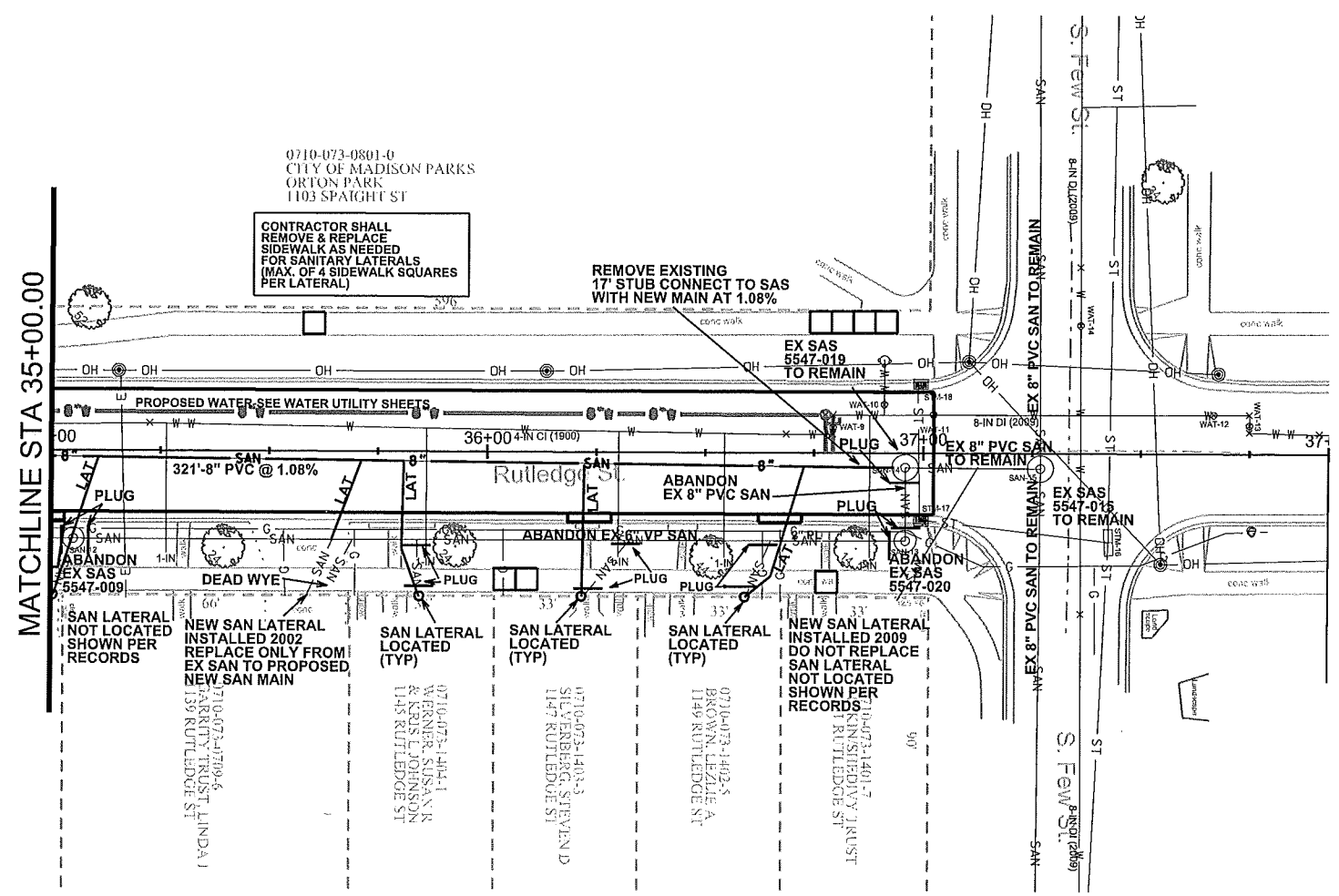
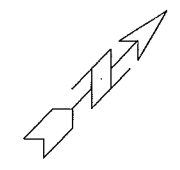
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





* PIPE SHALL CONFORM TO
ASTM D3034 SDR 26 OR EQUIVALENT
(MAIN & LATERALS)
SDR-26 PIPE INCIDENTAL TO
BID ITEMS 50301 & 50353

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

STORM SEWER SCHEDULE

ALIGNMENT CODES:

"IS"= INGERSOLL ST

INGERSOLL ST & RUTLEDGE ST

PROJECT NO. 53W0603

SHEET NO.

U-5

STORM SEWER SCHEDULE

CITY OF MADISON

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-1	13'IS'+55.85	LT-17.21	STM TAP	-	872.33	-	TAP EXISTING AS 5447-038
S-2	13'IS'+49.90	RT-18.94	H INLET	876.45	872.52	3.93	W/ R-3067-7004
S-3	13'IS'+91.21	RT-34.65	H INLET	878.25	874.84	3.41	LP; W/ R-3067-7004
S-4	14'IS'+09.91	LT-16.04	STM TAP	-	874.24	-	TAP EXISTING IN 5547-014
S-5	14'IS'+11.42	RT-13.97	H INLET	879.72	875.55	4.17	W/ R-3067-7004
S-6	18'IS'+84.00	RT-13.00	PIPE END	-	844.65	-	-
S-7	17'IS'+82.04	RT-10.79	TERRACE INLET TYPE II	864.60	856.15	8.45	FP; LP; PER SDD 5.7.12A
S-8	17'IS'+21.36	RT-11.00	EX CB	872.33	862.22	10.11	W/ R-3067-7004 & R-1550-0054; (1); (3)
S-9	16'IS'+67.38	RT-14.50	H INLET	877.34	873.15	4.19	W/ R-3067-7004
S-9A	16'IS'+16.57	RT-14.50	H INLET	878.83	875.43	3.40	W/ R-3067-7004; (3)
S-10	16'IS'+65.56	LT-14.50	H INLET	877.50	874.01	3.49	LP; W/ R-3067-7004
S-12	16'IS'+88.95	RT-21.88	H INLET	875.25	871.69	3.56	W/ R-3067-7004
S-12A	11'IS'+33.14	LT-18.27	H INLET	865.91	862.60	3.31	W/ R-1878-B7L; (3); (4)

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	872.33	872.52	0.51%	12"	RCP	-
P-2	S-2	S-3	43	872.52	874.85	5.42%	12"	RCP	-
P-3	S-4	S-5	29	874.24	875.55	4.52%	12"	RCP	-
P-4	S-6	S-7	104	844.65	856.15	11.06%	24"	HDPE	(2)
P-5	S-7	S-8	57	856.15	862.22	10.65%	24"	RCP	(2)
P-6	S-8	S-9	54	865.22	873.15	14.69%	12"	RCP	-
P-7	S-9	S-10	29	873.15	874.01	2.97%	12"	RCP	-
P-9	S-8	S-12	34	868.53	871.69	9.29%	12"	RCP	-
P-9A	S-9	S-9A	51	873.15	875.43	4.47%	12"	RCP	-

ULO'S

NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES:
ULO-1	13'IS'+88.13	RT-34.15	GAS	-
ULO-2	17'IS'+11.45	RT-11.97	GAS	-
ULO-3	17'IS'+11.38	RT-16.35	GAS	-

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

SPECIFIC NOTES

- (1) RECONSTRUCT CATCH BASIN SAS PER BID ITEM 90030
- (2) SLIP LINE 24" HDPE PIPE PER BID ITEM 90031
- (3) PRIVATE STORM SEWER RECONNECT PER BID ITEM 90035
- (4) RECONNECT EXISTING 12" VP PIPE

ALIGNMENT CODES:

"IS"=INGERSOLL ST

INGERSOLL ST & RUTLEDGE ST
PROJECT NO. 53W0603

SHEET NO.
U-6

STORM REMOVALS SCHEDULE

CITY OF MADISON

STORM REMOVALS SCHEDULE

STORM STRUCTURE REMOVALS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES:
RS-1	IN 5447-039	13'IS'+51.70	RT-18.00	H INLET	-
RS-2	IN 5447-040	13'IS'+93.55	RT-20.50	H INLET	-
RS-3	IN 5547-013	16'IS'+89.69	RT-21.66	H INLET	-

STORM PIPE REMOVALS

PIPE REMOVAL NO.	REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	SIZE	TYPE	NOTES
RP-1	S-1	RS-1	38	N	12"	VP	-
RP-2	S-1	RS-2	54	Y	12"	VP	-
RP-3	RS-3	S-8	37	N	12"	VP	-

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON STREETS DIVISION

SANITARY SCHEDULE

ALIGNMENT CODES:

'IS' = INGERSOLL ST
'RS' = RUTLEDGE ST

INGERSOLL RUTLEDGE
PROJECT NO. 53W0603

SHEET NO.
U-7

SANITARY SEWER SCHEDULE CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS#1	10'IS'+51.12	LT-1.24	863.60	854.85	8.75	-
SAS#2	12'IS'+67.44	CL	871.97	862.50	9.47	-
SAS#3	33'RS'+75.00	CL	874.71	861.71	13.00	-
SAS#4	15'IS'+25.00	CL	880.82	870.82	10.00	-
SAS#5	17'IS'+03.00	LT-2.40	875.04	863.60	11.44	-
SAS#6	13'IS'+73.17	RT-46.03	878.23	865.98	12.25	-

REMOVE SANITARY STRUCTURES

STRUC.	STATION	LOCATION (OFFSET)	NOTES
SAS 5447-008	10'IS'+51.12	LT-1.24	-
SAS 5447-019	12'IS'+03.92	LT-2.16	-
SAS 5547-006	17'IS'+03.00	LT-2.40	-

ABANDON SANITARY STRUCTURES

STRUC.	STATION	LOCATION (OFFSET)	NOTES
SAS 5547-003	15'IS'+34.70	RT-17.69	-
SAS 5547-004	16'IS'+72.03	RT-16.92	-
SAS 5547-008	33'RS'+04.41	RT-20.40	-
SAS 5547-009	35'RS'+05.07	RT-20.18	-
SAS 5547-020	36'RS'+96.08	RT-20.06	-

ADJUST SANITARY STRUCTURES

STRUC.	STATION	LOCATION (OFFSET)	TOP OF CASTING			
EX SAS 5547-019	36'RS'+96.08	RT-12.00	869.89	EX	EX	ADJUST EX SAS
EX SAS 5447-022	13'IS'+73.18	CL	877.40	EX	EX	ADJUST EX SAS

PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES:
SAS#1	SAS#2	854.95	862.50	216	3.50%	8"	SDR-35	-
EX SAS 5547-019	SAS#3	858.24	861.71	321	1.08%	8"	SDR-26	-
SAS#3	SAS#5	861.81	863.60	300	0.60%	8"	SDR-26	-
SAS#5	SAS#4	865.29	870.82	177	3.12%	8"	SDR-35	-
EX SAS 5447-022	SAS#6	864.68	865.98	47	2.77%	8"	SDR-35	-

SANITARY SEWER PIPE REMOVAL

REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	SIZE	TYPE	NOTES
SAS 5447-008	SAS 5447-019	153	N	6"	VP	-
SAS 5447-019	PLG 5447-021	10	N	6"	VP	-
SAS 5447-022	SAS#6	47	N	8"	VP	-
SAS 5547-019	17'RS'+06.41 LT-3.00	17	N	8"	PVC	-

SANITARY SEWER PIPE ABANDONMENT

ABANDON FROM	ABANDON TO	LENGTH (FT)	PAID (Y/N)	SIZE	TYPE	NOTES
SAS 5547-003	SAS 5547-004	137	Y	6"	VP	PLUGS
SAS 5547-004	SAS 5547-006	36	Y	6"	VP	PLUGS
SAS 5547-006	SAS 5547-008	237	Y	6"	VP	PLUGS
SAS 5547-008	SAS 5547-009	200	Y	6"	VP	PLUGS
SAS 5547-009	SAS 5547-020	191	Y	6"	VP	PLUGS
SAS 5547-020	SAS 5547-019	17	Y	8"	PVC	PLUGS

PLOT SCALE: ---

PLOT NAME: ---

REV. DATE: ---

ORIGINATOR: CITY OF MADISON STREETS DIVISION

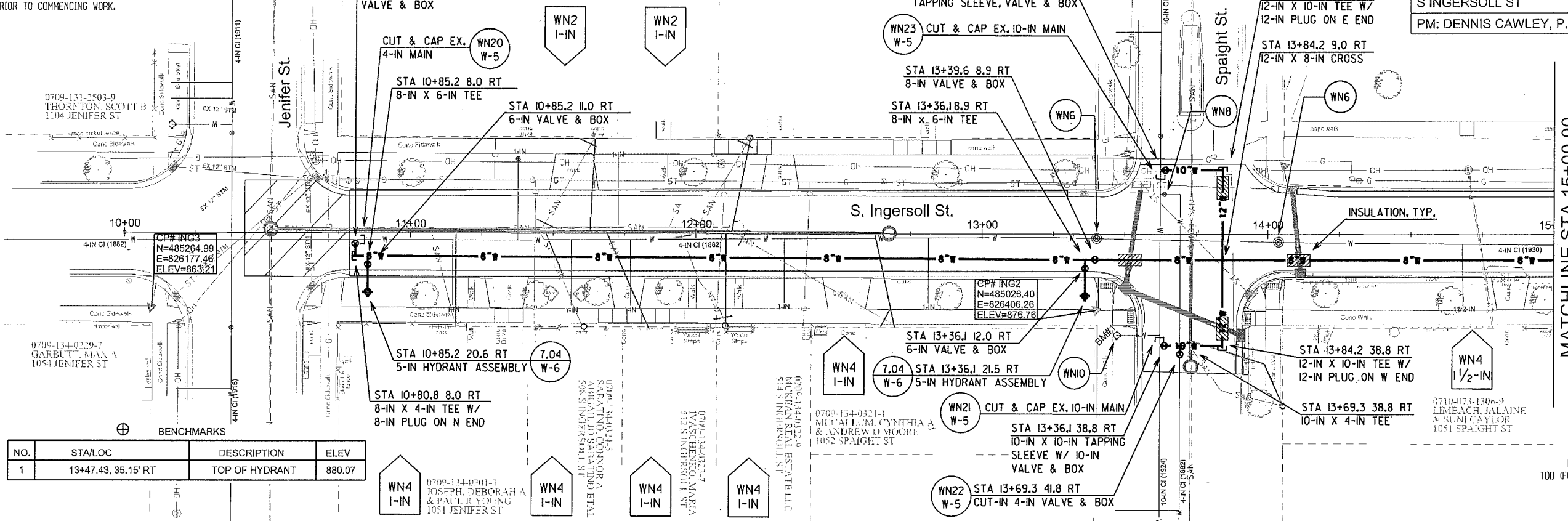
DISCLAIMER NOTE:
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S INGERSOLL ST & RUTLEDGE ST - 2012
PROJECT NO. 53W0603

WATER PLAN AND PROFILE

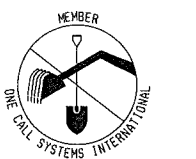
S INGERSOLL ST CITY OF MADISON
PM: DENNIS CAWLEY, P.E. DESIGNER: KBM

SHEET NO.
W-1



NO.	STA/LOC	DESCRIPTION	ELEV
1	13+47.43, 35.15' RT	TOP OF HYDRANT	880.07

MATCHLINE STA 15+00.00



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

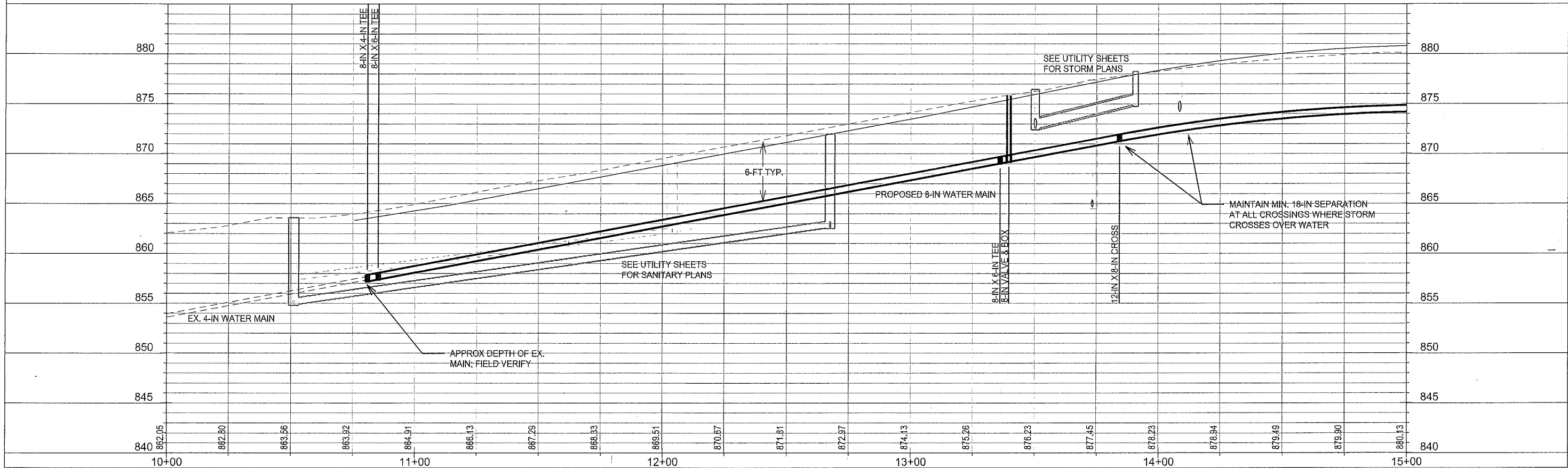
WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.

PLOT SCALE:

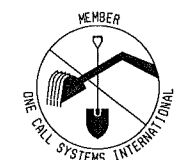
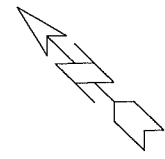
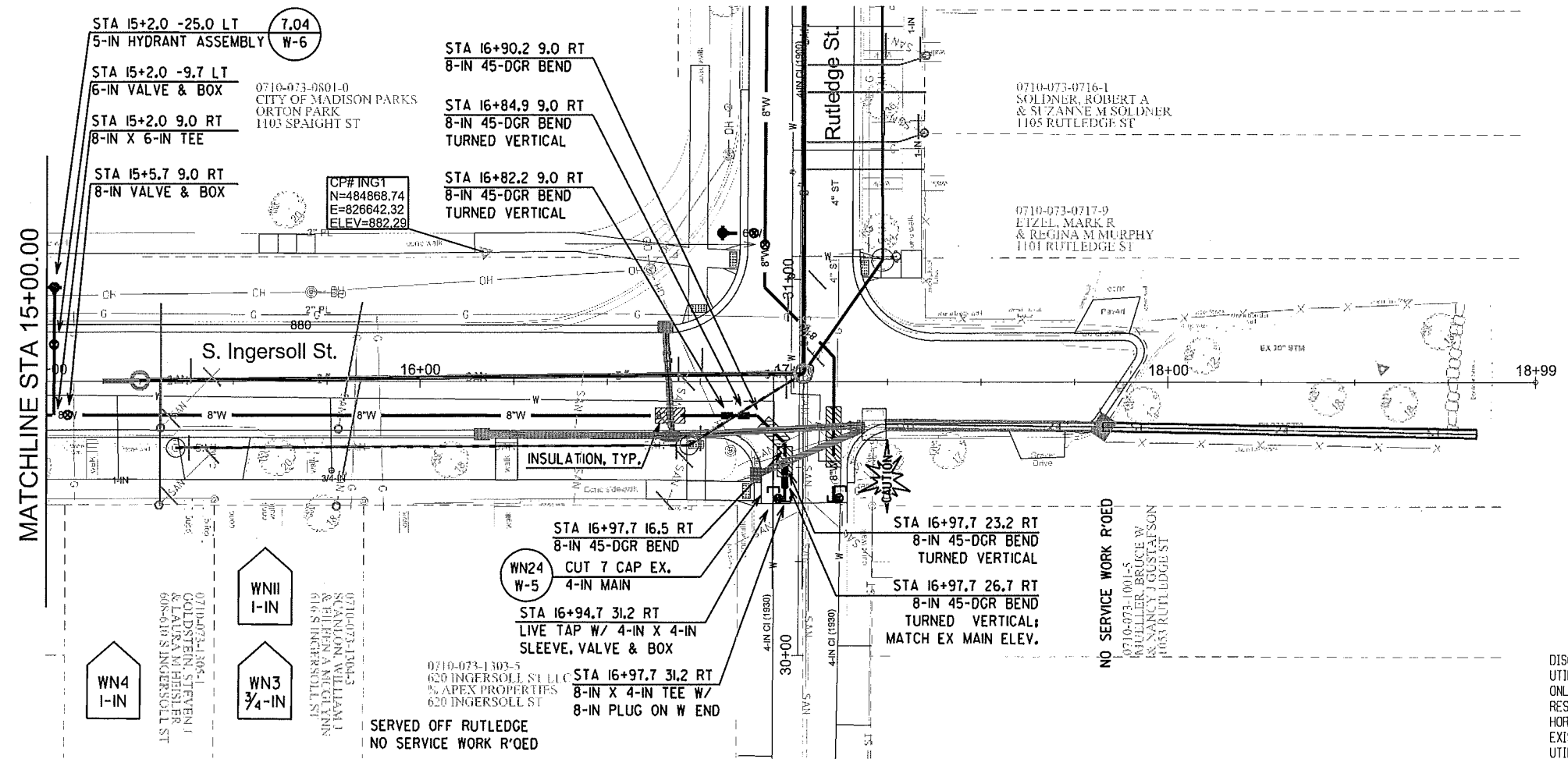
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



REVISED 05/02/2012

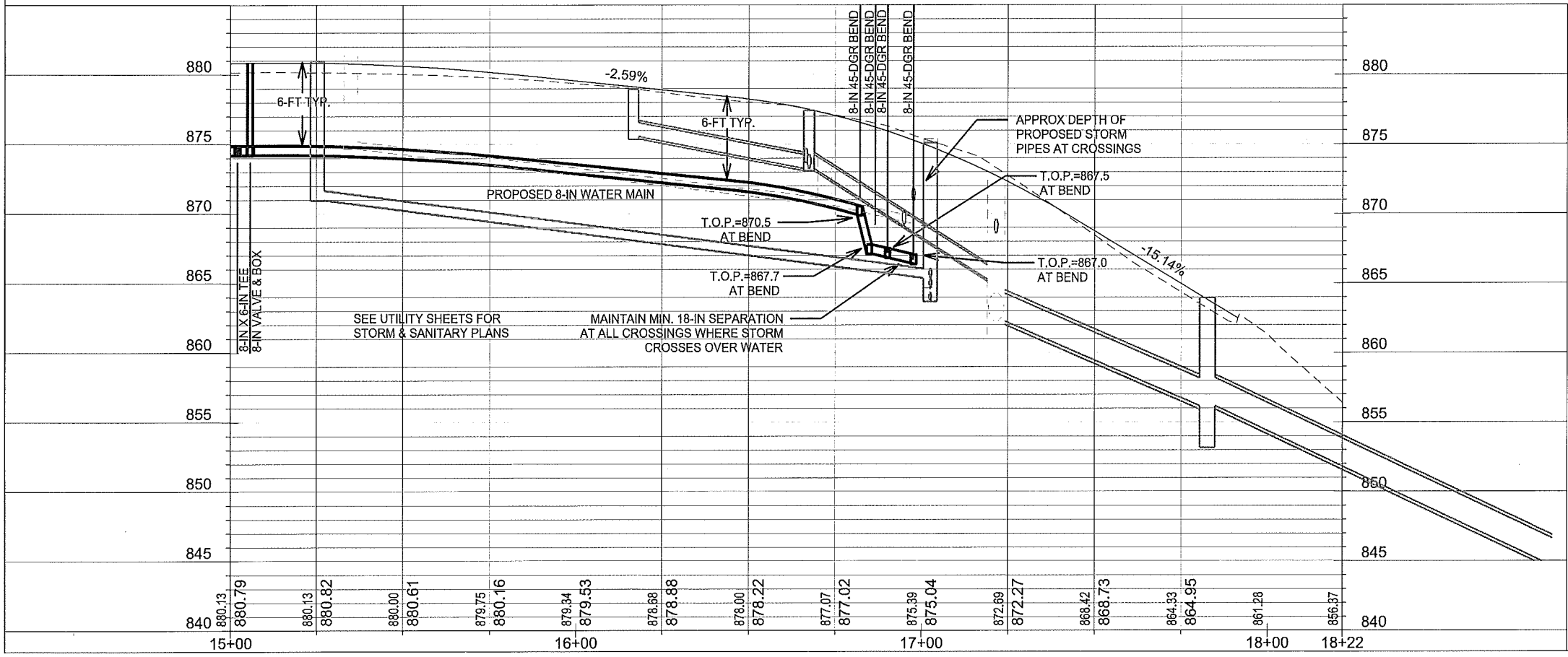


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FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

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

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SUMMARY OF 05/02/2012 REVISIONS:

- MOVED 8-IN 45-DGR BEND FROM STA 16+86.7 9.0 RT TO STA 16+84.9 9.0 RT & T.O.P. EL FROM 886.0 TO 867.7
- MOVED 8-IN 45-DGR BEND AT STA 16+90.0 9.0 RT VERTICALLY TO T.O.P. = 867.5
- MOVED 8-IN 45-DGR BEND AT STA 16+97.7 16.5 RT VERTICALLY TO T.O.P. = 867.0

PLOT SCALE: _____

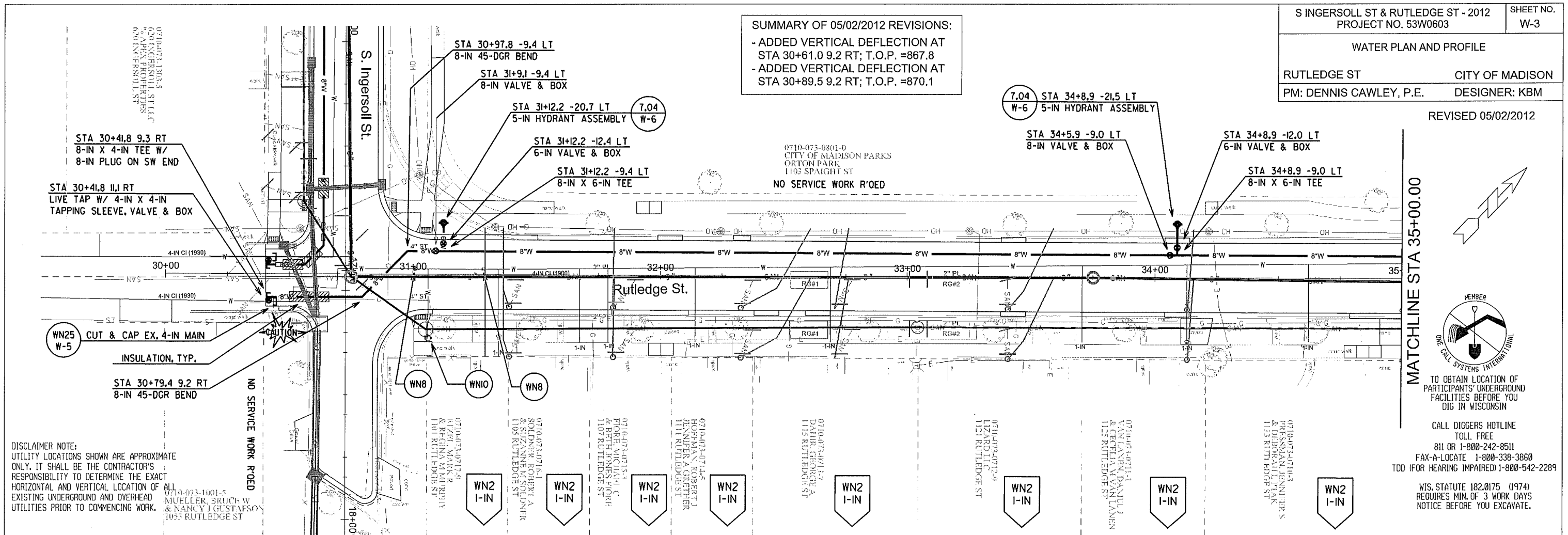
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SUMMARY OF 05/02/2012 REVISIONS:
- ADDED VERTICAL DEFLECTION AT STA 30+61.0 9.2 RT; T.O.P. =867.8
- ADDED VERTICAL DEFLECTION AT STA 30+89.5 9.2 RT; T.O.P. =870.1

REVISED 05/02/2012



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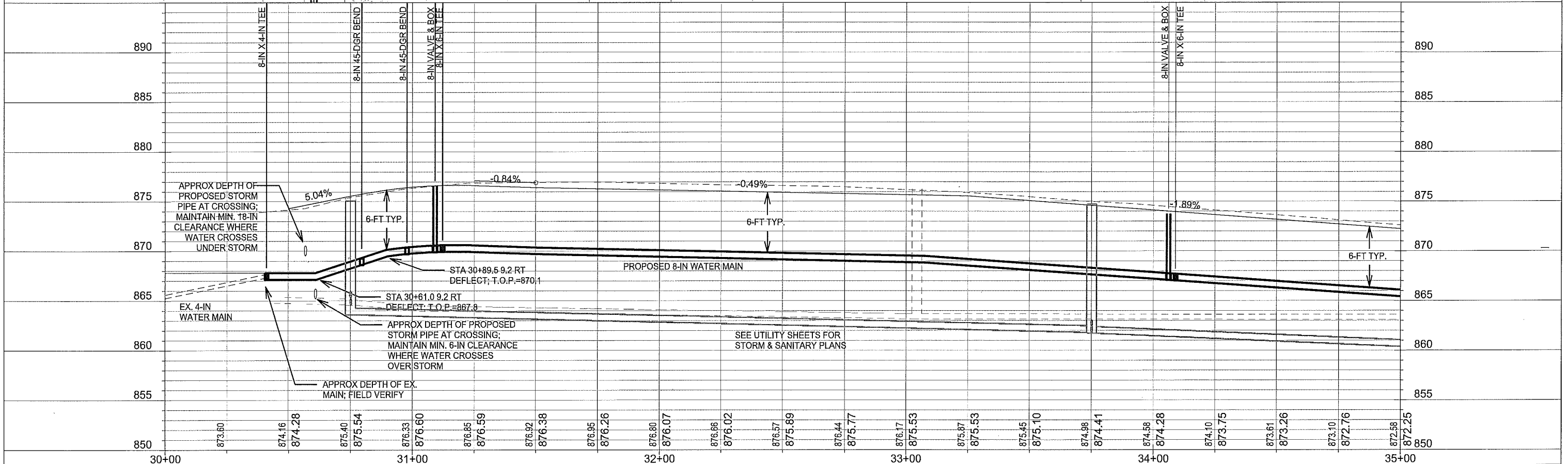
MATCHLINE STA 35+00.00

MEMBER
THE CALL SYSTEMS INTERNATIONAL

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

CALL DIGGERS HOTLINE
TOLL FREE
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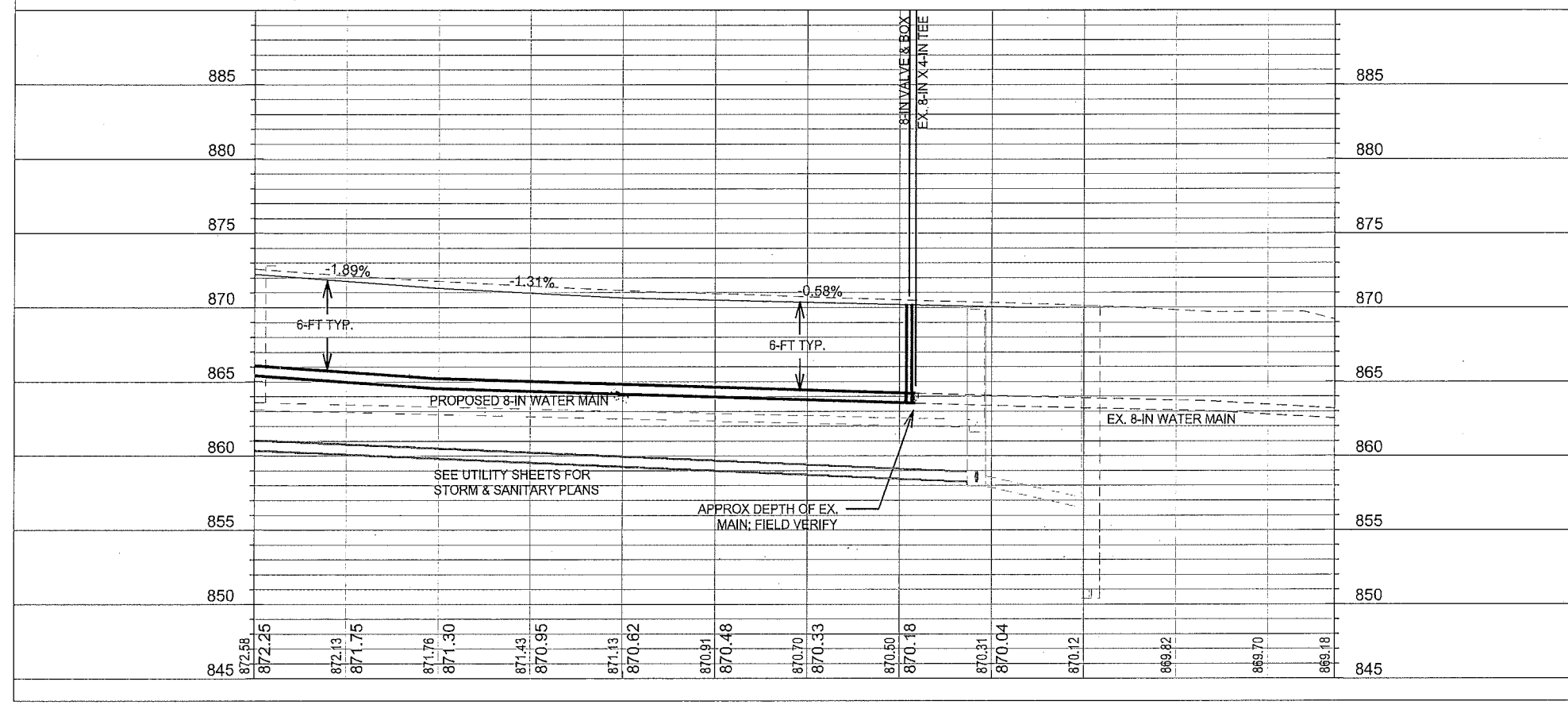
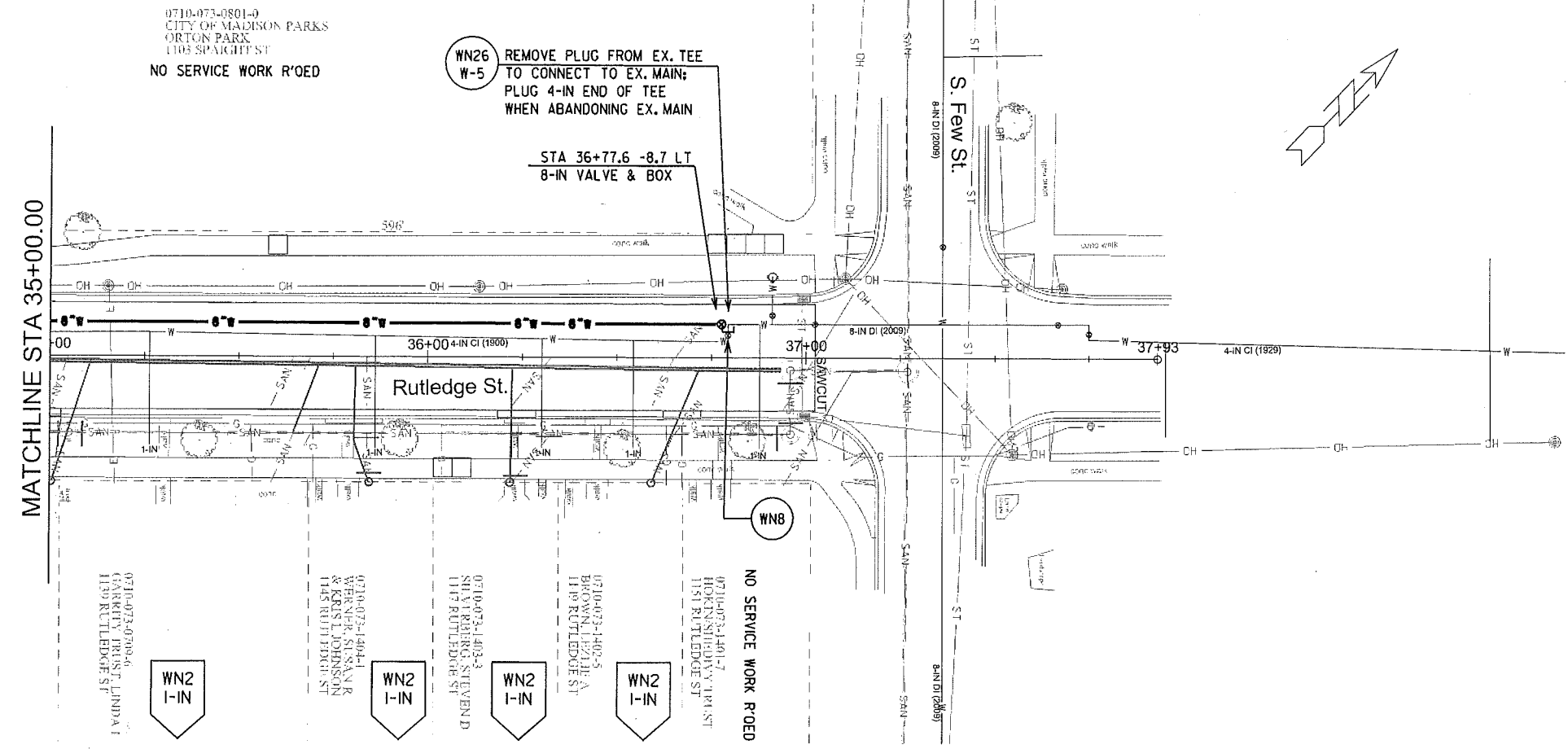


PLOT SCALE:

PLOT NAME:

REV. DATE:

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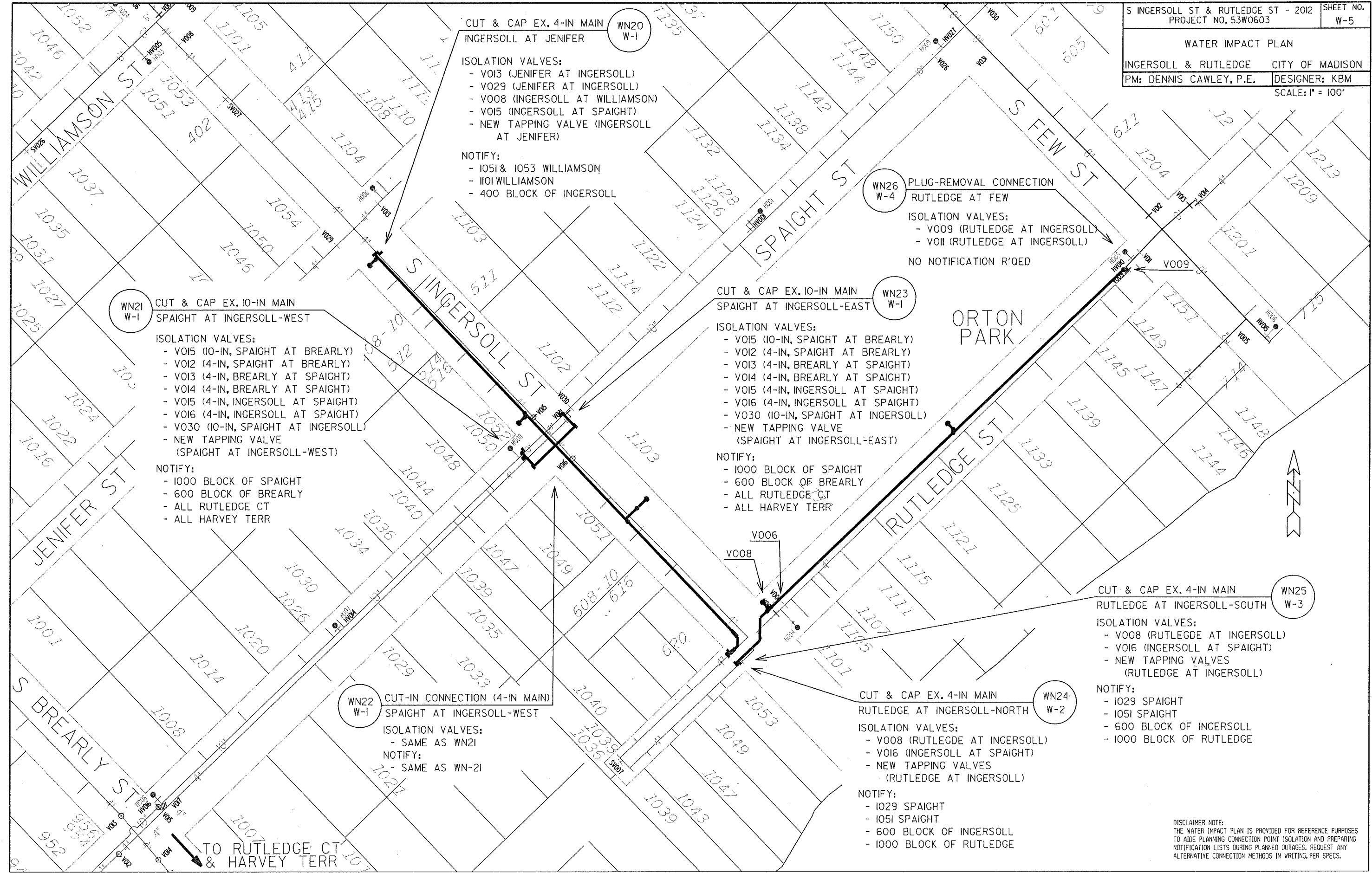
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PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



WN20 W-1
 CUT & CAP EX. 4-IN MAIN
 INGERSOLL AT JENIFER

ISOLATION VALVES:

- VO13 (JENIFER AT INGERSOLL)
- VO29 (JENIFER AT INGERSOLL)
- VO08 (INGERSOLL AT WILLIAMSON)
- VO15 (INGERSOLL AT SPAIGHT)
- NEW TAPPING VALVE (INGERSOLL AT JENIFER)

NOTIFY:

- 1051 & 1053 WILLIAMSON
- 1101 WILLIAMSON
- 400 BLOCK OF INGERSOLL

WN21 W-1
 CUT & CAP EX. 10-IN MAIN
 SPAIGHT AT INGERSOLL-WEST

ISOLATION VALVES:

- VO15 (10-IN, SPAIGHT AT BREARLY)
- VO12 (4-IN, SPAIGHT AT BREARLY)
- VO13 (4-IN, BREARLY AT SPAIGHT)
- VO14 (4-IN, BREARLY AT SPAIGHT)
- VO15 (4-IN, INGERSOLL AT SPAIGHT)
- VO16 (4-IN, INGERSOLL AT SPAIGHT)
- VO30 (10-IN, SPAIGHT AT INGERSOLL)
- NEW TAPPING VALVE (SPAIGHT AT INGERSOLL-WEST)

NOTIFY:

- 1000 BLOCK OF SPAIGHT
- 600 BLOCK OF BREARLY
- ALL RUTLEDGE CT
- ALL HARVEY TERR

WN23 W-1
 CUT & CAP EX. 10-IN MAIN
 SPAIGHT AT INGERSOLL-EAST

ISOLATION VALVES:

- VO15 (10-IN, SPAIGHT AT BREARLY)
- VO12 (4-IN, SPAIGHT AT BREARLY)
- VO13 (4-IN, BREARLY AT SPAIGHT)
- VO14 (4-IN, BREARLY AT SPAIGHT)
- VO15 (4-IN, INGERSOLL AT SPAIGHT)
- VO16 (4-IN, INGERSOLL AT SPAIGHT)
- VO30 (10-IN, SPAIGHT AT INGERSOLL)
- NEW TAPPING VALVE (SPAIGHT AT INGERSOLL-EAST)

NOTIFY:

- 1000 BLOCK OF SPAIGHT
- 600 BLOCK OF BREARLY
- ALL RUTLEDGE CT
- ALL HARVEY TERR

WN26 W-4
 PLUG-REMOVAL CONNECTION
 RUTLEDGE AT FEW

ISOLATION VALVES:

- VO09 (RUTLEDGE AT INGERSOLL)
- VO11 (RUTLEDGE AT INGERSOLL)

NO NOTIFICATION R'OOD

WN22 W-1
 CUT-IN CONNECTION (4-IN MAIN)
 SPAIGHT AT INGERSOLL-WEST

ISOLATION VALVES:

- SAME AS WN21

NOTIFY:

- SAME AS WN-21

WN24 W-2
 CUT & CAP EX. 4-IN MAIN
 RUTLEDGE AT INGERSOLL-NORTH

ISOLATION VALVES:

- VO08 (RUTLEDGE AT INGERSOLL)
- VO16 (INGERSOLL AT SPAIGHT)
- NEW TAPPING VALVES (RUTLEDGE AT INGERSOLL)

NOTIFY:

- 1029 SPAIGHT
- 1051 SPAIGHT
- 600 BLOCK OF INGERSOLL
- 1000 BLOCK OF RUTLEDGE

WN25 W-3
 CUT & CAP EX. 4-IN MAIN
 RUTLEDGE AT INGERSOLL-SOUTH

ISOLATION VALVES:

- VO08 (RUTLEDGE AT INGERSOLL)
- VO16 (INGERSOLL AT SPAIGHT)
- NEW TAPPING VALVES (RUTLEDGE AT INGERSOLL)

NOTIFY:

- 1029 SPAIGHT
- 1051 SPAIGHT
- 600 BLOCK OF INGERSOLL
- 1000 BLOCK OF RUTLEDGE

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

CONSTRUCTION NOTES:

- 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.
 - VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
 - MINIMIZE DISTRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
 - EXISTING WATER MAIN SHALL REMAIN IN SERVICE UNTIL NEW WATER MAIN IS TESTED AND ACCEPTED BY MADISON WATER UTILITY AND ALL SERVICES ARE RECONNECTED.
 - 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

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

- ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.
- | | |
|----------------------|---------------------------------|
| 20' - 4" PIPE | 1 - 12"X8" CROSS |
| 100' - 6" PIPE | 8 - 8" - 45° BEND |
| 1300' - 8" PIPE | 1 - 4" PLUG |
| 40' - 10" PIPE | 3 - 4" CAP |
| 70' - 12" PIPE | 3 - 8" PLUG |
| 1700' - POLYWRAP | 2 - 10" CAP |
| 5 - 5" HYDRANT | 2 - 12" PLUG |
| 1 - 4" VALVE AND BOX | 72' - 2" STYROFOAM INSULATION |
| 5 - 6" VALVE AND BOX | 1" COPPER TUBING (AS REQ'D) |
| 5 - 8" VALVE AND BOX | 1 1/2" COPPER TUBING (AS REQ'D) |
| 3 - 8"X4" TEE | 2" COPPER TUBING (AS REQ'D) |
| 5 - 8"X6" TEE | |
| 1 - 10"X4" TEE | |
| 2 - 12"X10" TEE | |

MATERIALS SUPPLIED BY CITY:

- 3 - 4"X4" TAPPING SLEEVE W/ 4" VALVE & BOX
- 2 - 10"X10" TAPPING SLEEVE W/ 10" VALVE & BOX

REMOVED/SALVAGED MATERIALS:

NONE

REUSED MATERIALS:

NONE

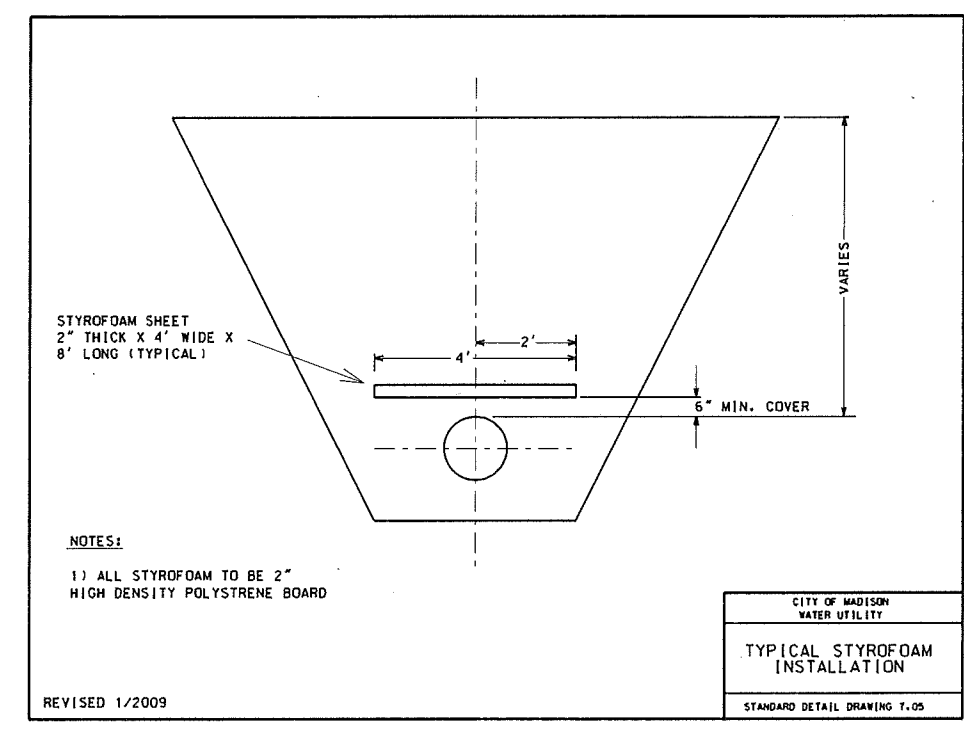
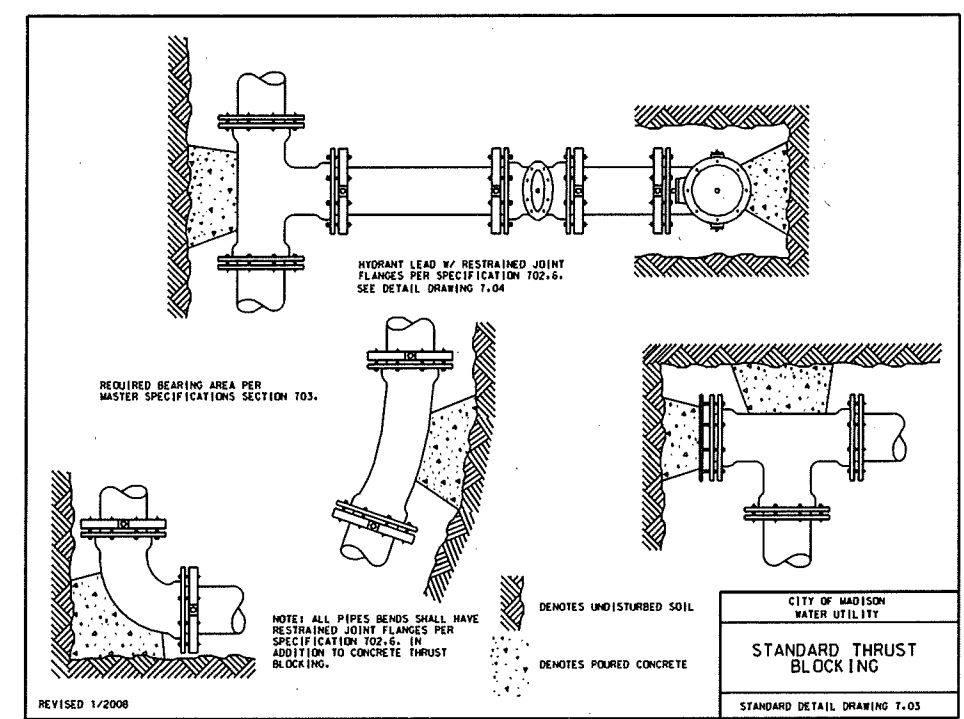
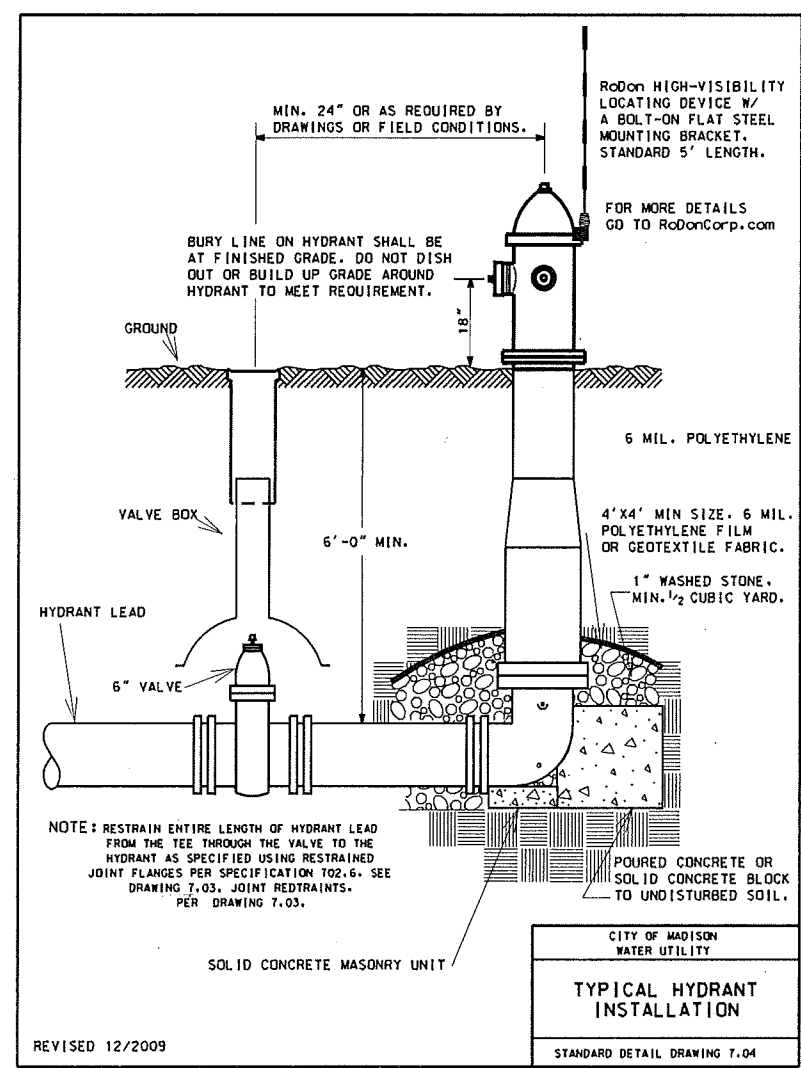


TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE 811
or 1-800-242-8511
TOLL FREE

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.



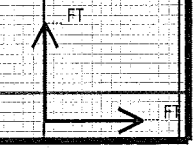
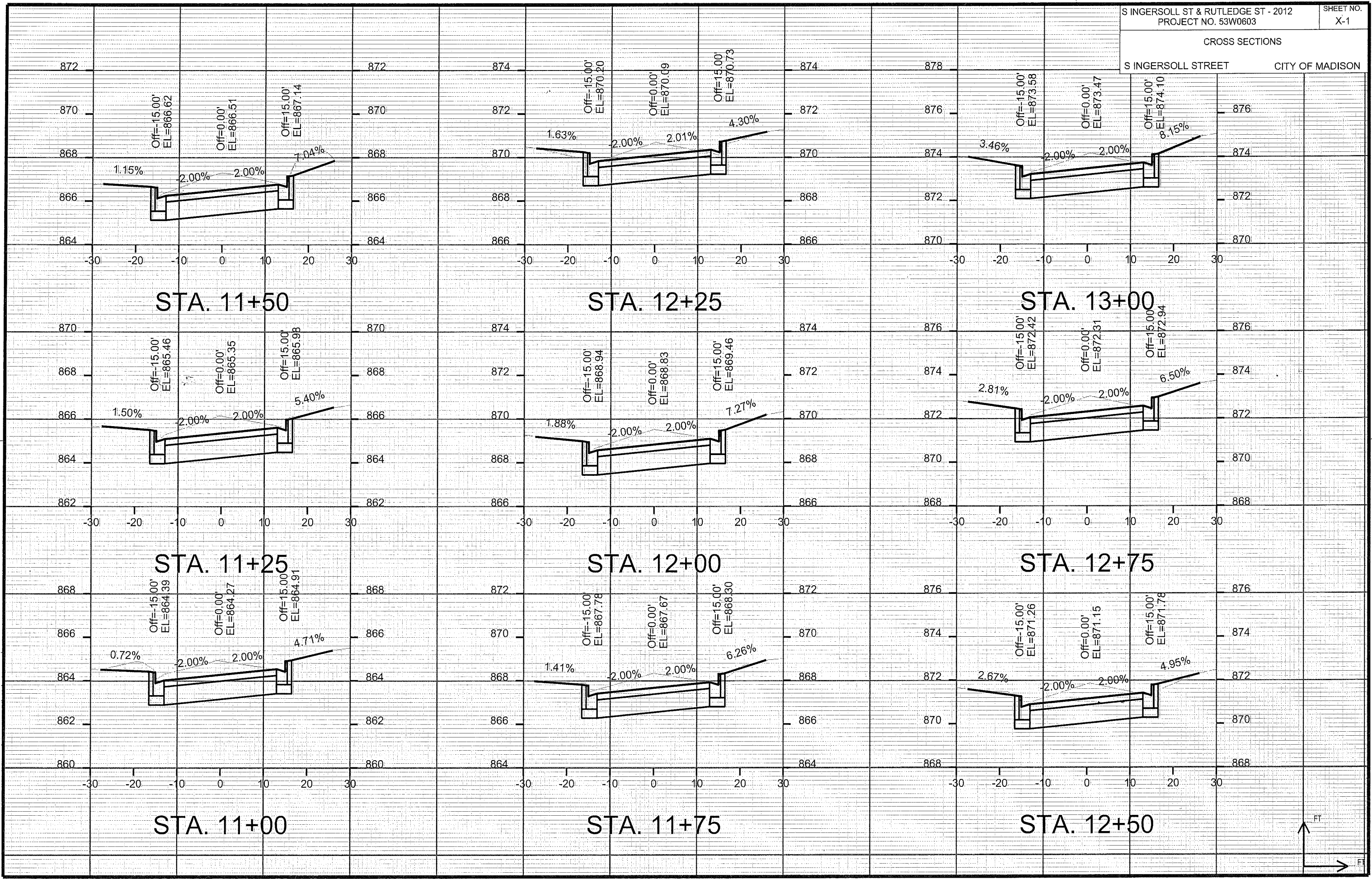
CROSS SECTIONS
S INGERSOLL STREET CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

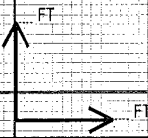
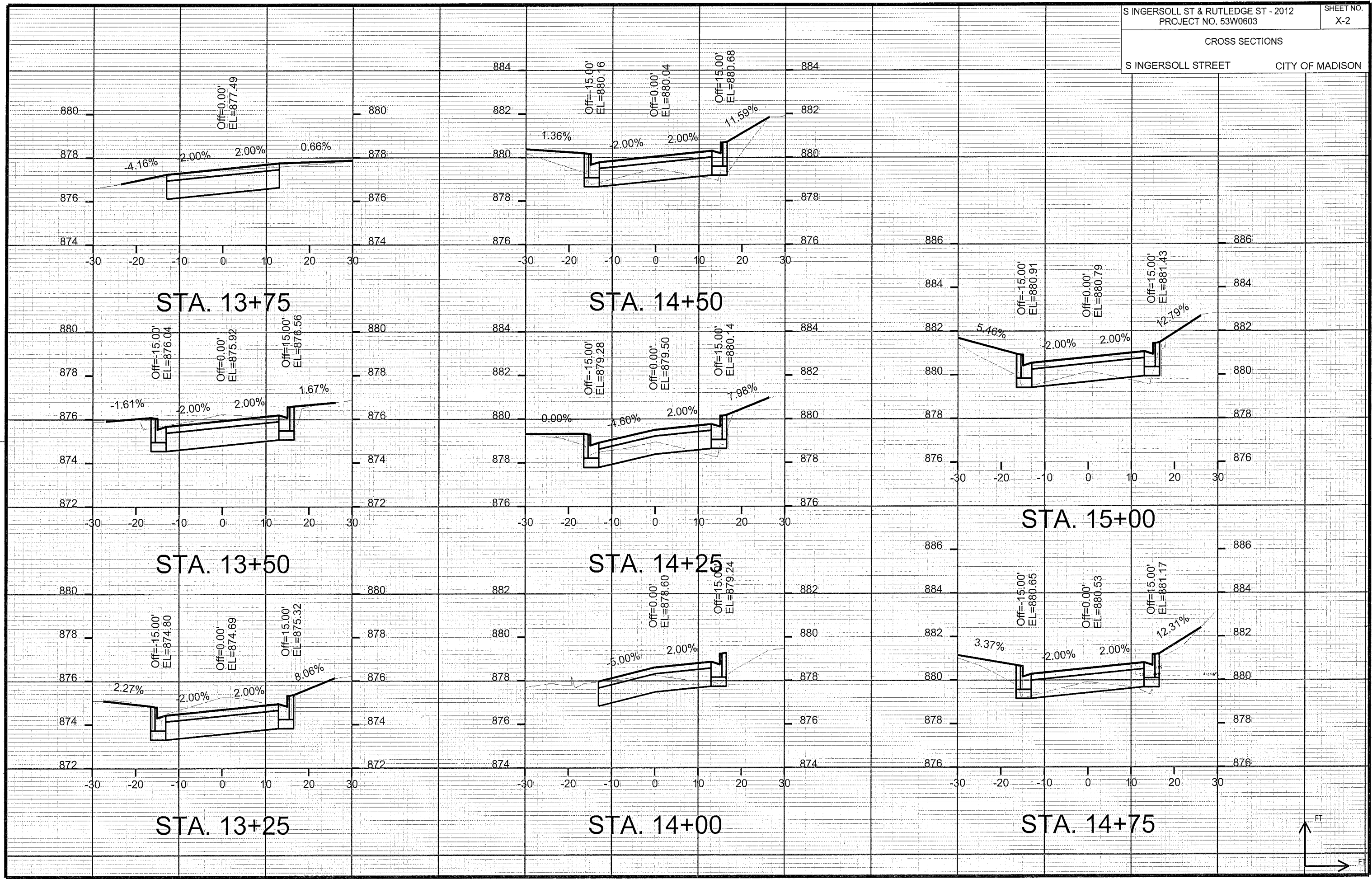


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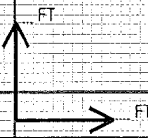
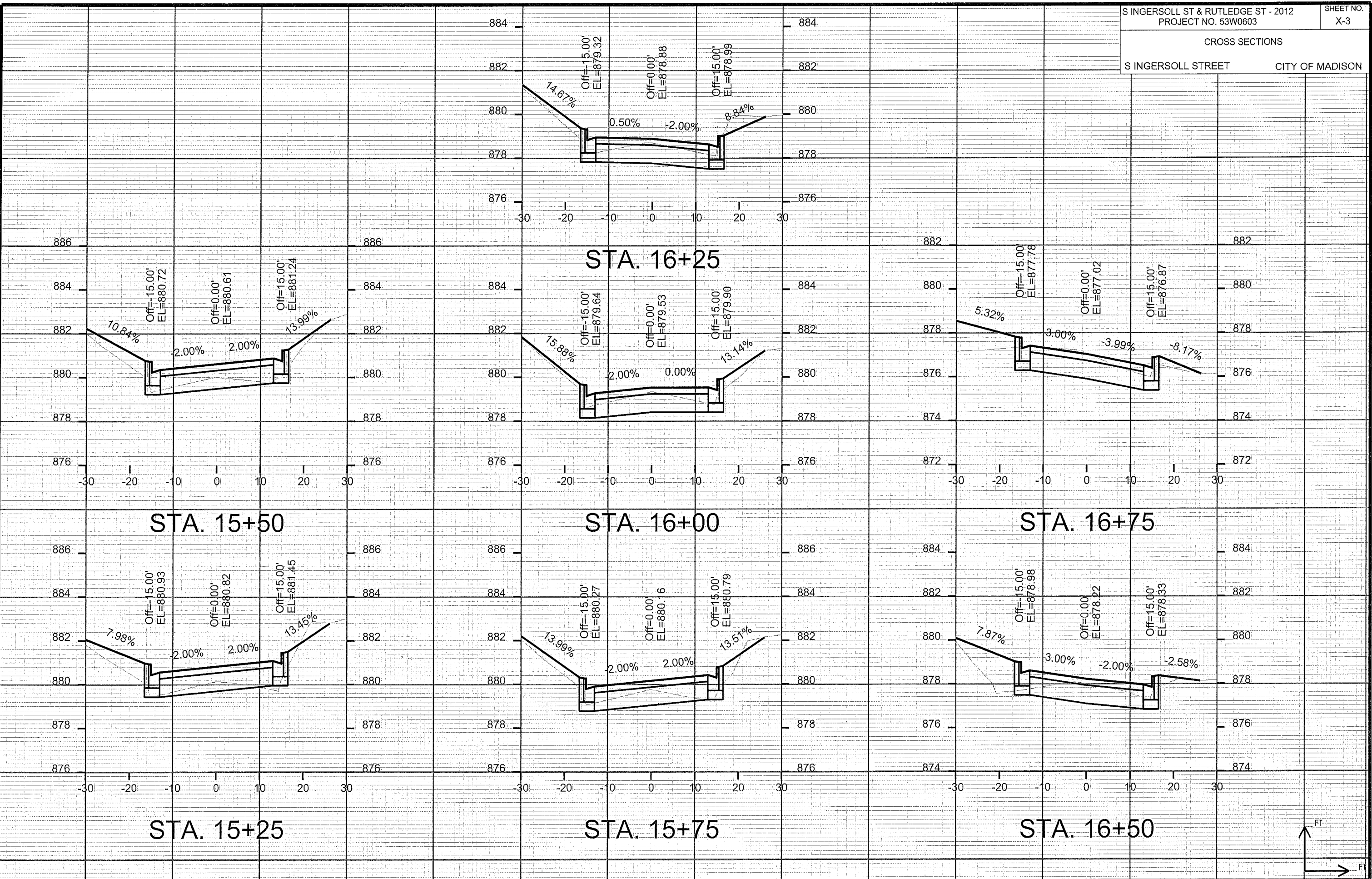


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

S INGERSOLL STREET

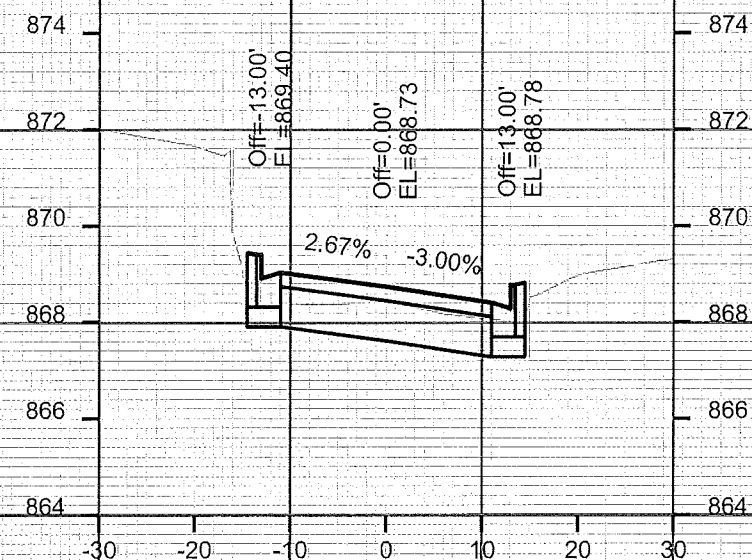
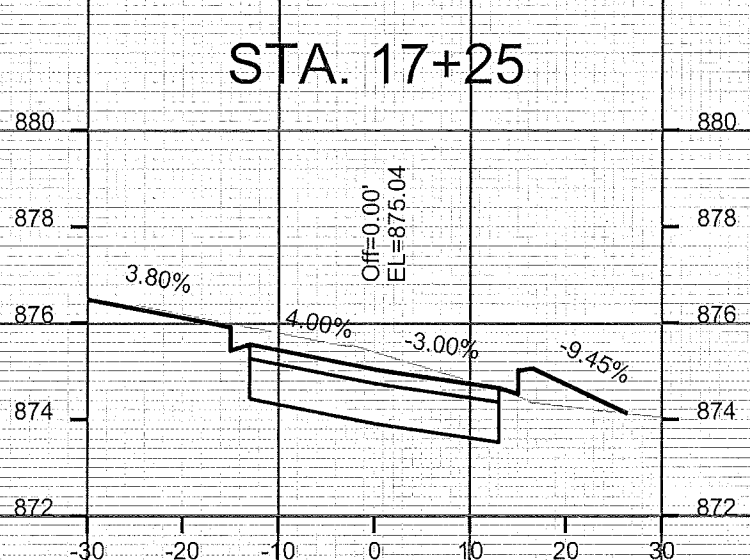
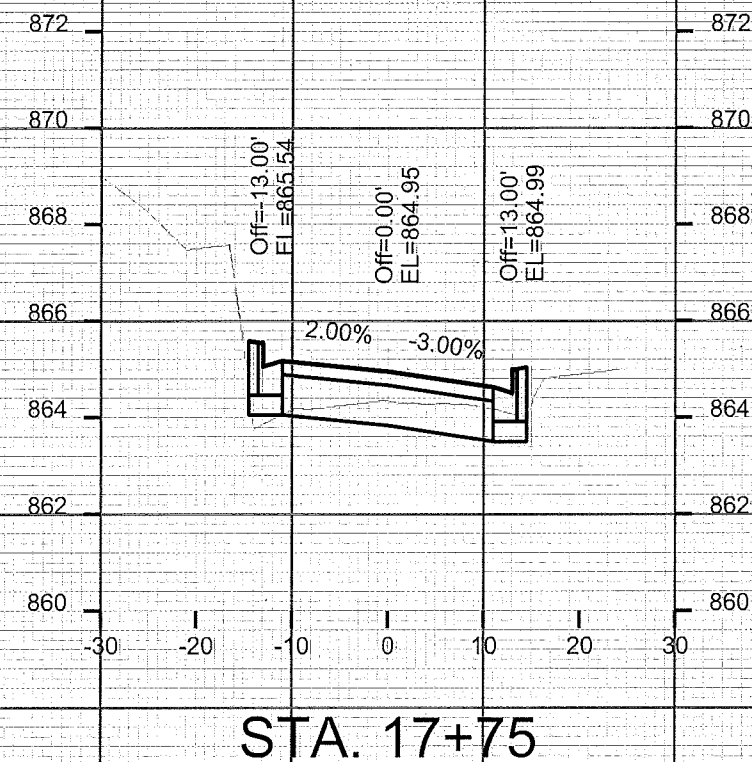
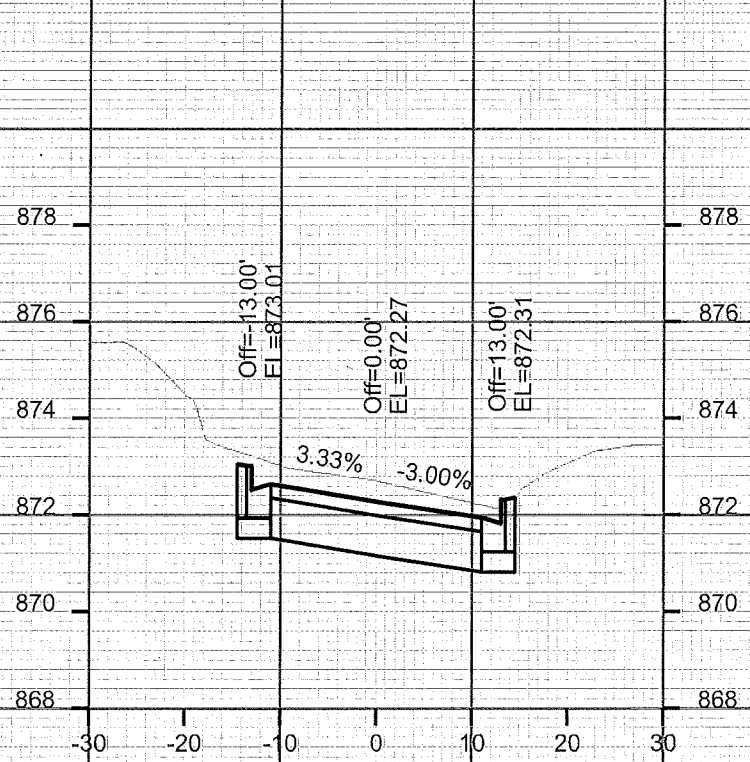
CITY OF MADISON

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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

RUTLEDGE STREET

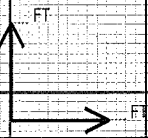
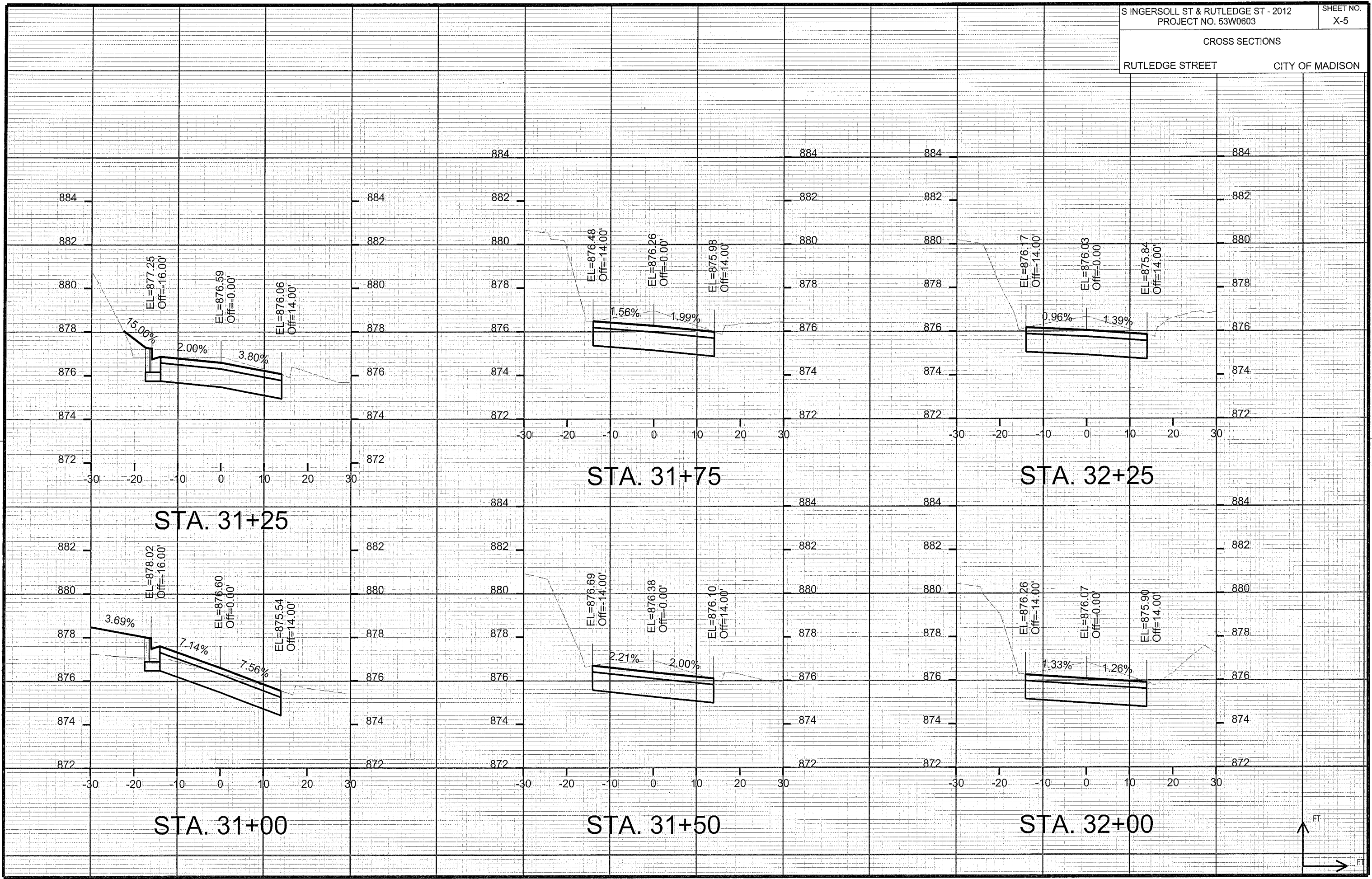
CITY OF MADISON

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CROSS SECTIONS

RUTLEDGE STREET

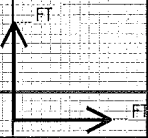
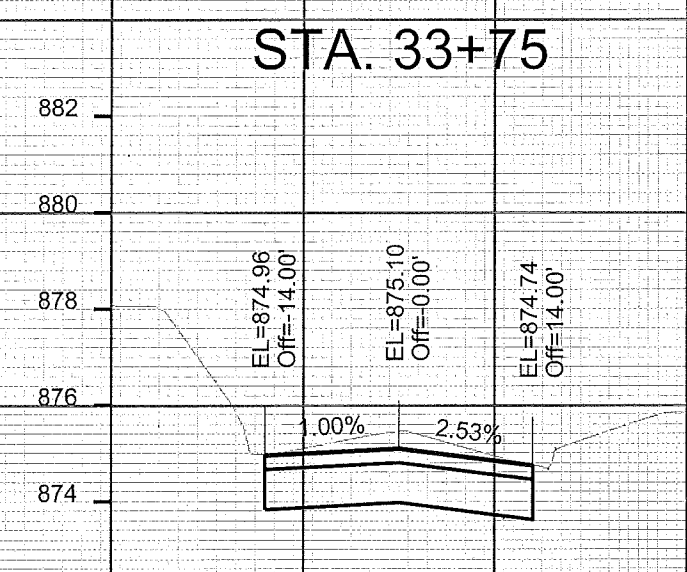
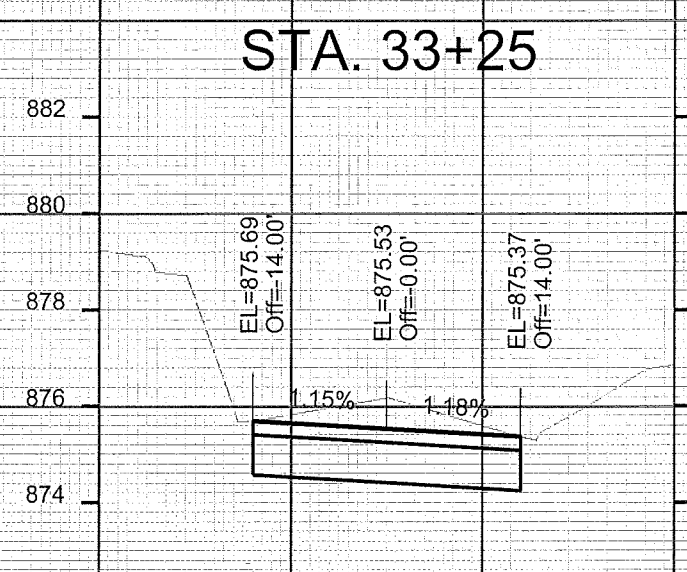
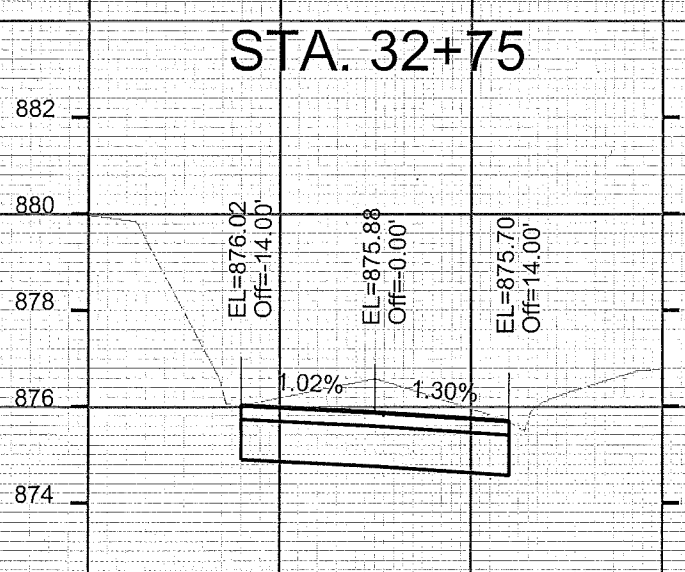
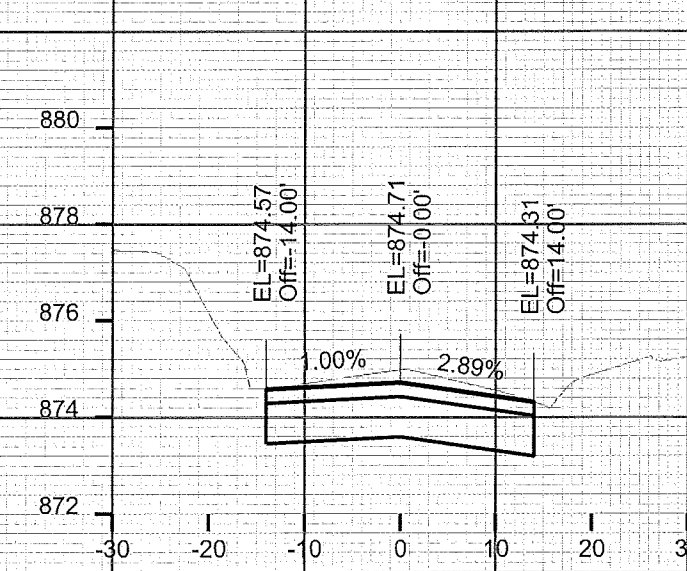
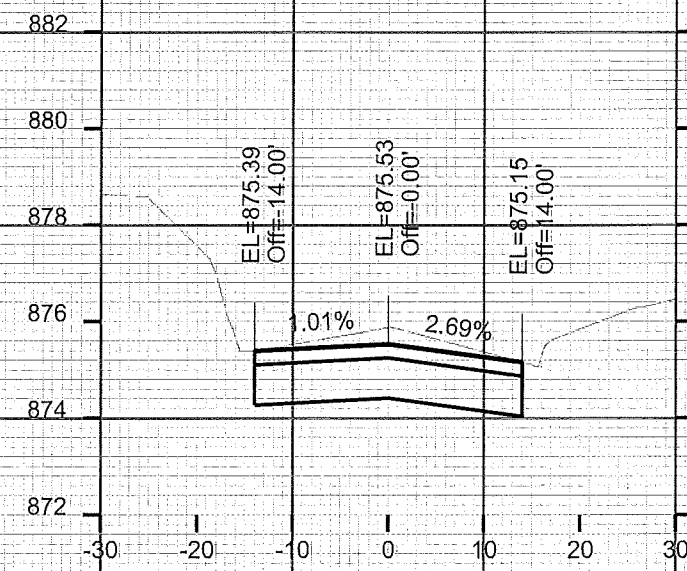
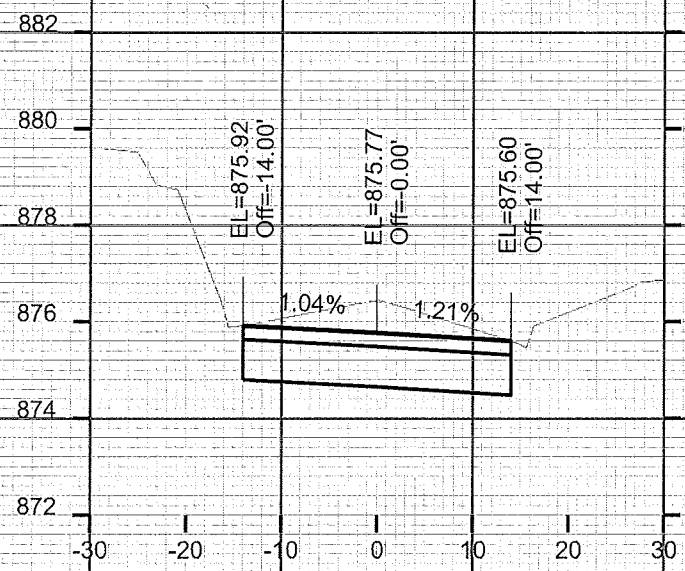
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CROSS SECTIONS

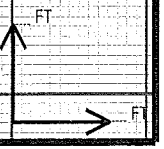
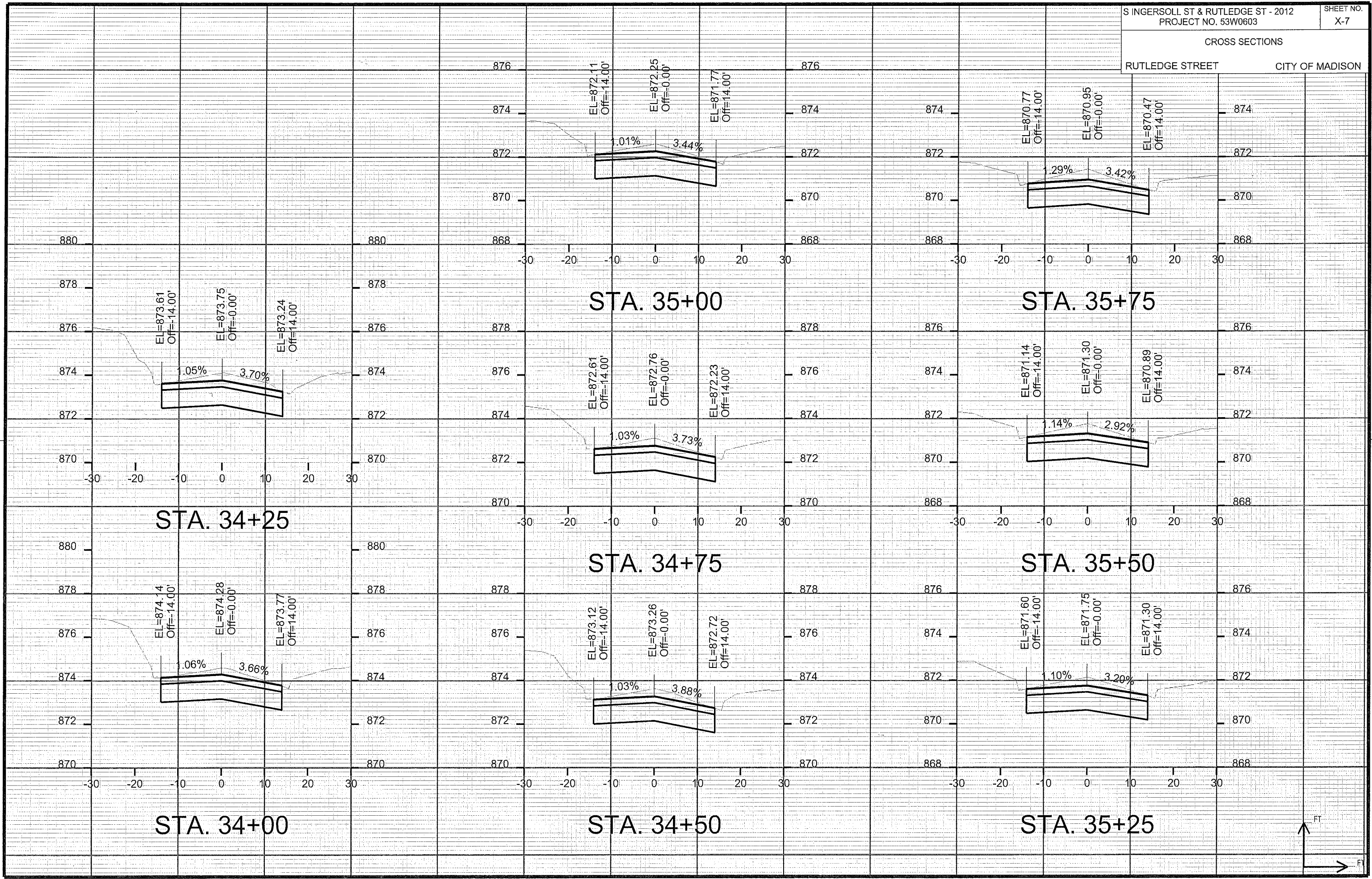
RUTLEDGE STREET CITY OF MADISON

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CROSS SECTIONS

RUTLEDGE STREET

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