



Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT
APPROVED

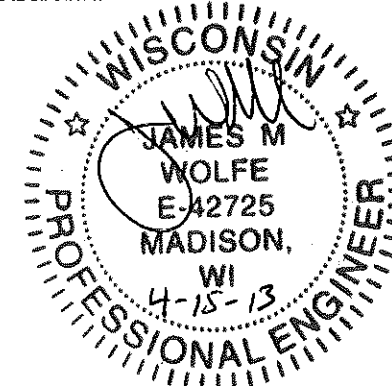
MARCH 19, 2013

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

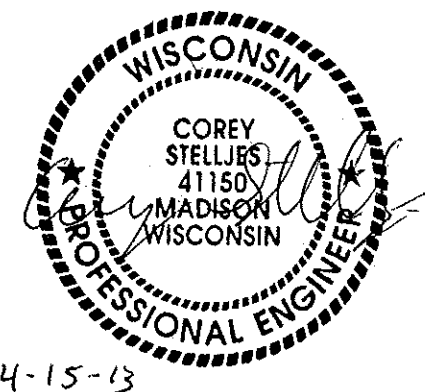
PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

[Signature] 4/17/13
City Engineer Date

STREET
DESIGNED BY:



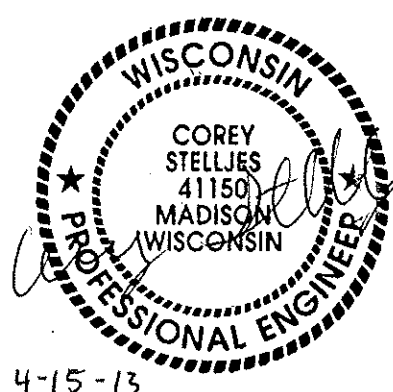
SANITARY SEWER
DESIGNED BY:



WATER
DESIGNED BY:



STORM SEWER
DESIGNED BY:



ELECTRICAL
DESIGNED BY:



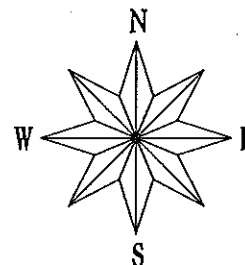
INDEX OF SHEETS

SHEET NO.	TITLE
1	DETAILS
DI-D5	EROSION CONTROL PLANS
EC1-EC3	STREET PLAN & PROFILE
PI-P5	UTILITY PLAN & PROFILE
UI-U3	SEWER SCHEDULES
U4-U6	WATER PLAN & PROFILES
WI-W3	WATER IMPACT PLAN & MATERIALS
W4-W5	ELECTRICAL PLAN
E1-E2	PAVEMENT MARKING PLAN
M1	CROSS SECTIONS
X1-X9	

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	

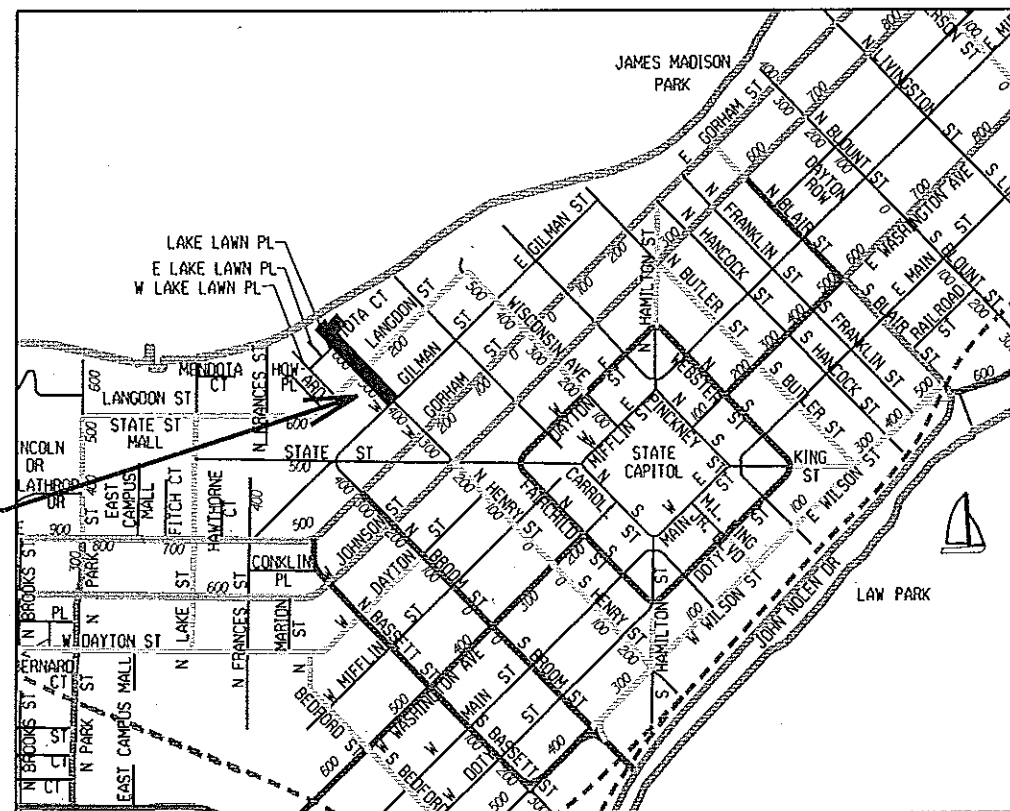


CONSTRUCTION PROJECT LOCATION

NOTES:

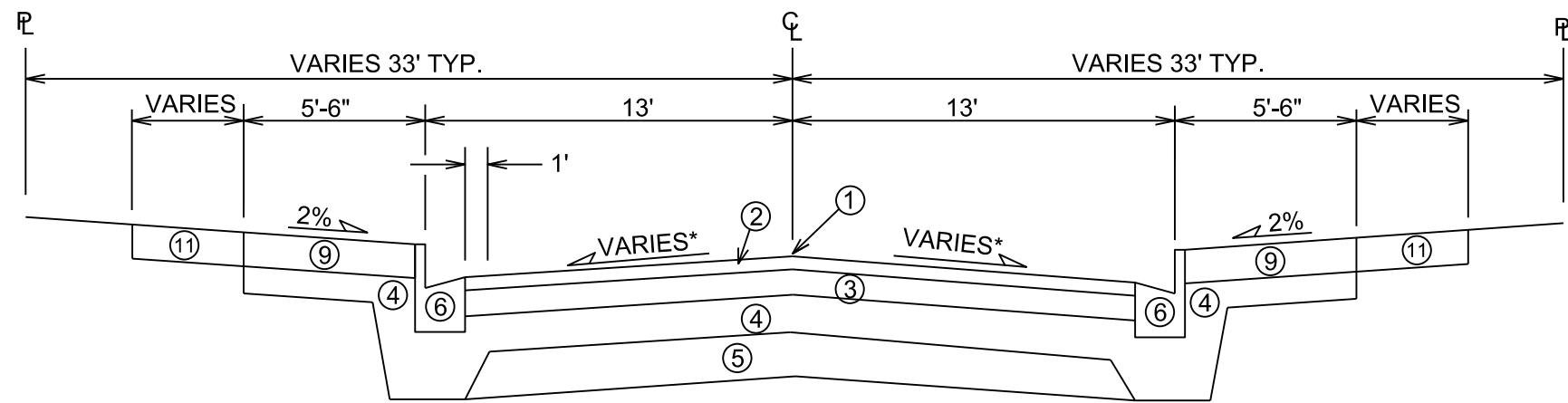
ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE
OF 0.50% TOWARD STORM SEWER INLETS.

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%.

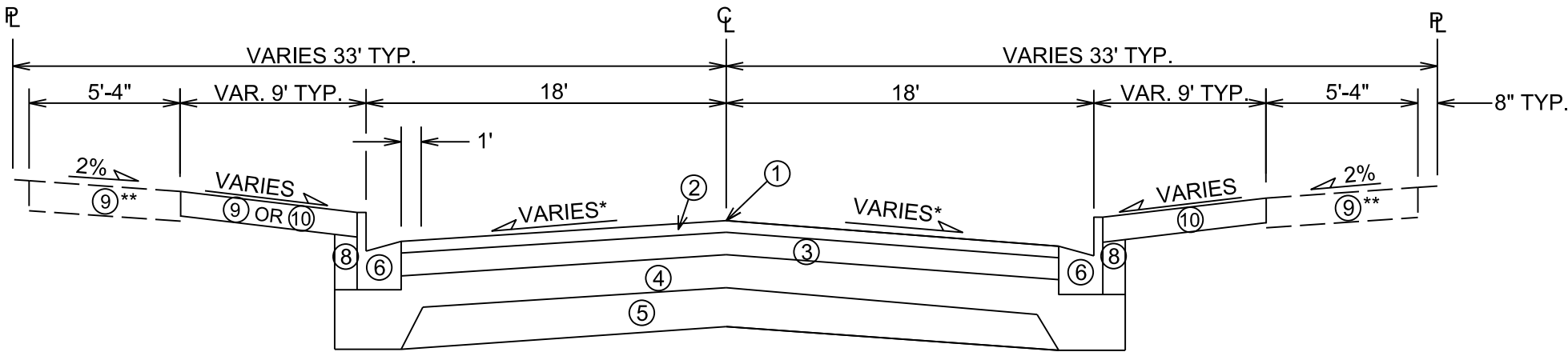


EARTH WORK SUMMARY:

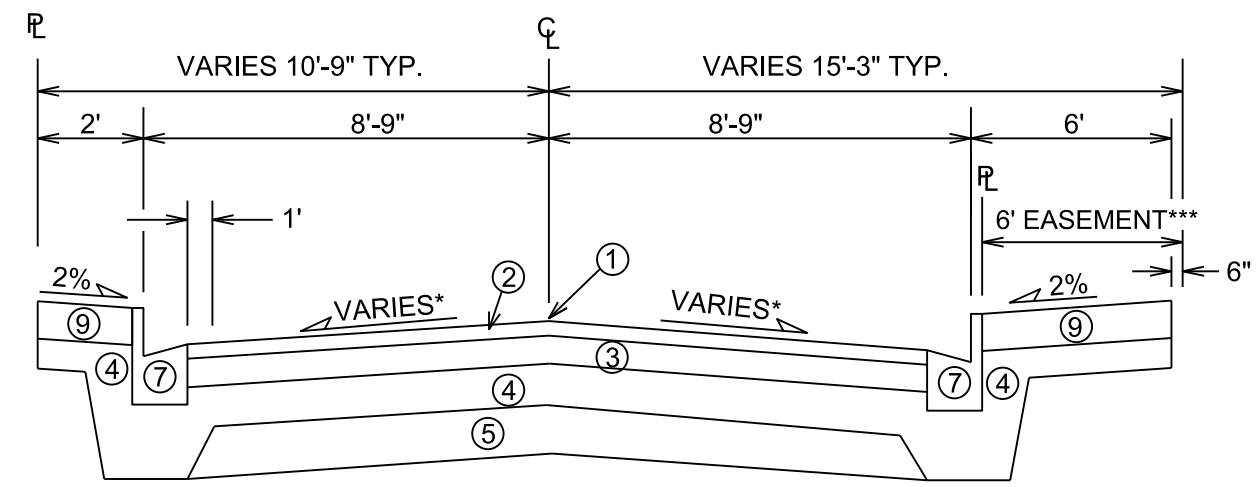
EXCAVATION CUT (MEASURED PLAN QUANTITY) 2013	1,300 C.Y.
EXCAVATION CUT (MEASURED PLAN QUANTITY) 2014	145 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT	460 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT	1,905 C.Y.



TYPICAL FINISHED SECTION
NORTH HENRY STREET - STA 10+82 TO STA 15+25



TYPICAL FINISHED SECTION
NORTH HENRY STREET - STA 15+25 TO STA 18+40



TYPICAL FINISHED SECTION
IOTA CT - STA 50+00 TO STA 52+22

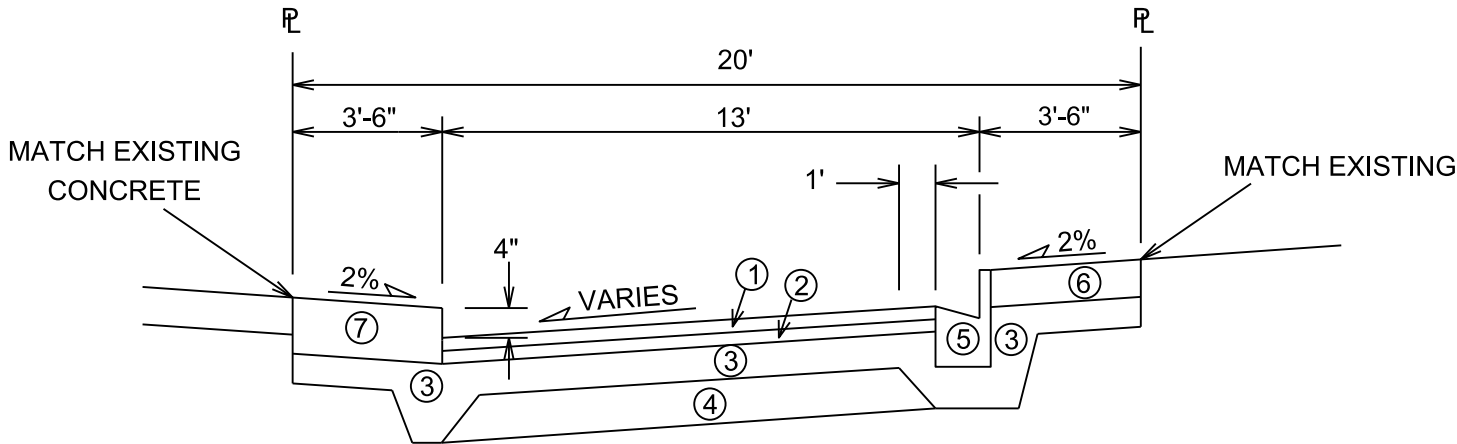
- ① POINT REFERRED TO ON PROFILE
- ② 1 3/4" BITUMINOUS UPPER LAYER, TYPE E-1
- ③ 2 1/2" BITUMINOUS LOWER LAYER, TYPE E-1
- ④ 4" GRADATION 2 CRUSHED STONE
- ⑤ 6" GRADATION 1 CRUSHED STONE
- ⑥ TYPE 'A' OR 'X' CONCRETE CURB & GUTTER
- ⑦ TYPE 'G' CONCRETE CURB & GUTTER
- ⑧ FILL, INCIDENTAL
- ⑨ 5" CONCRETE SIDEWALK
- ⑩ 4" TOPSOIL, SEED & MAT
- ⑪ INSTALL ASPHALT DRIVE, CONC. SIDEWALK, TOPSOIL, SEED & MAT, MATCH EXISTING AS INDICATED ON THE PLAN OR AS DIRECTED BY THE ENGINEER

*SEE CROSS SECTION SHEETS FOR CROSS SLOPES AND TOP OF CURB ELEVATIONS.

**REPLACE SIDEWALK AS INDICATED ON PLAN OR AS DIRECTED BY ENGINEER

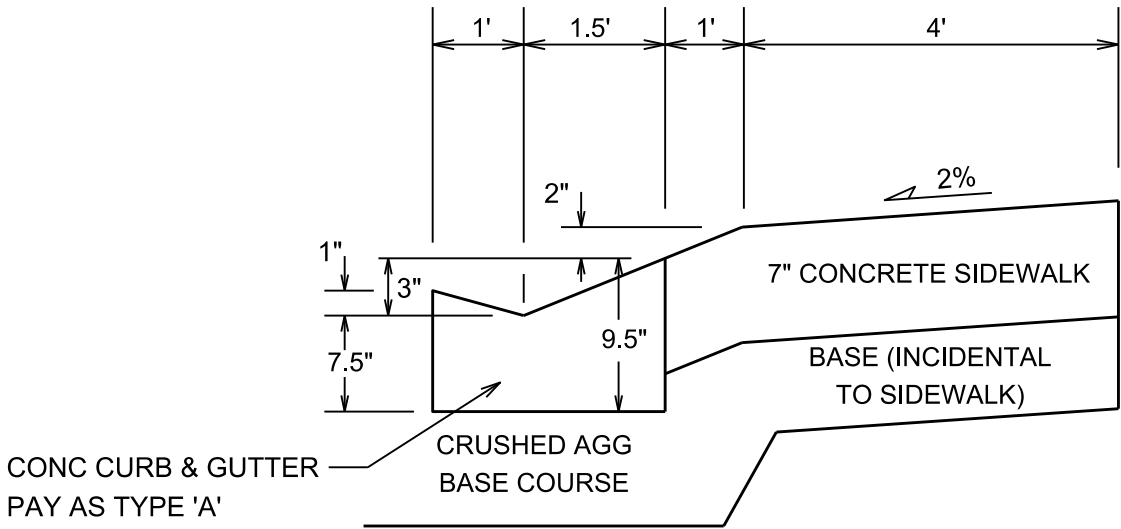
***EASEMENT AREA TO BE DEDICATED TO CITY AS RIGHT-OF-WAY BY CSM IN FUTURE

TYPICAL SECTIONS NOT TO SCALE



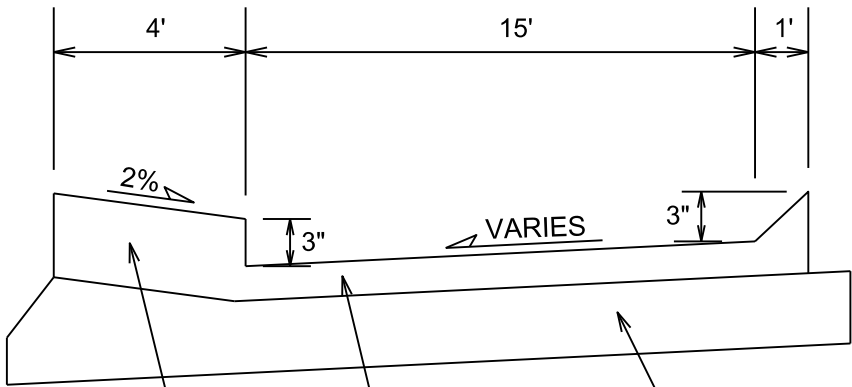
- ① 1 3/4" BITUMINOUS UPPER LAYER, TYPE E-1
- ② 1 3/4" BITUMINOUS LOWER LAYER, TYPE E-1
- ③ 4" GRADATION 2 CRUSHED STONE
- ④ 6" GRADATION 1 CRUSHED STONE
- ⑤ TYPE 'A' CONCRETE CURB & GUTTER
- ⑥ 5" CONCRETE SIDEWALK
- ⑦ 7 1/2" CONCRETE SIDEWALK

TYPICAL FINISHED SECTION
LAKELAWN PL - STA 12+36.00, RT 11.00' TO STA 12+36.00, RT 91.00'



NOTE: ADJUST SIDEWALK GRADES ON EITHER SIDE OF DRIVEWAY AS NECESSARY. TYPICALLY, SIDEWALK GRADES WILL NEED TO BE ADJUSTED APPROXIMATELY 5' ON EITHER SIDE OF DRIVEWAY

N HENRY ST & IOTA CT DRIVEWAY DETAIL
USE ON DRIVEWAYS FROM STA 10+82.00 TO 15+25.00



TEMPORARY ASPHALT CURB/SIDEWALK
PAY AS TEMPORARY ASPHALT CURB

2" ASPHALT PVMT, TYPE E-1
PAY AS TEMPORARY ASPHALT

GRADATION 2 CRUSHED STONE-INSTALL
AS NECESSARY TO EVEN OUT GRADE.
PAY UNDER BID ITEM 40102

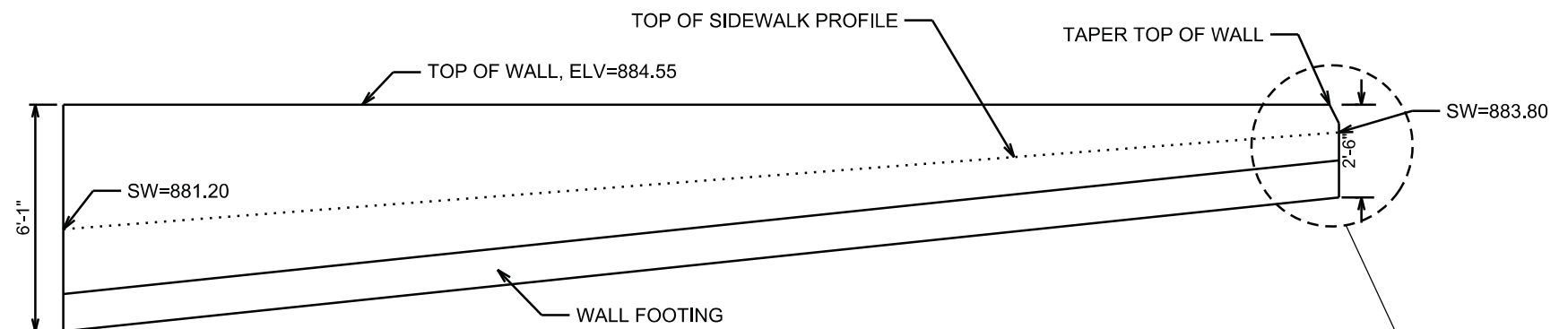
TEMPORARY TYPICAL SECTION
IOTA CT

TYPICAL SECTIONS AND DETAILS NOT TO SCALE

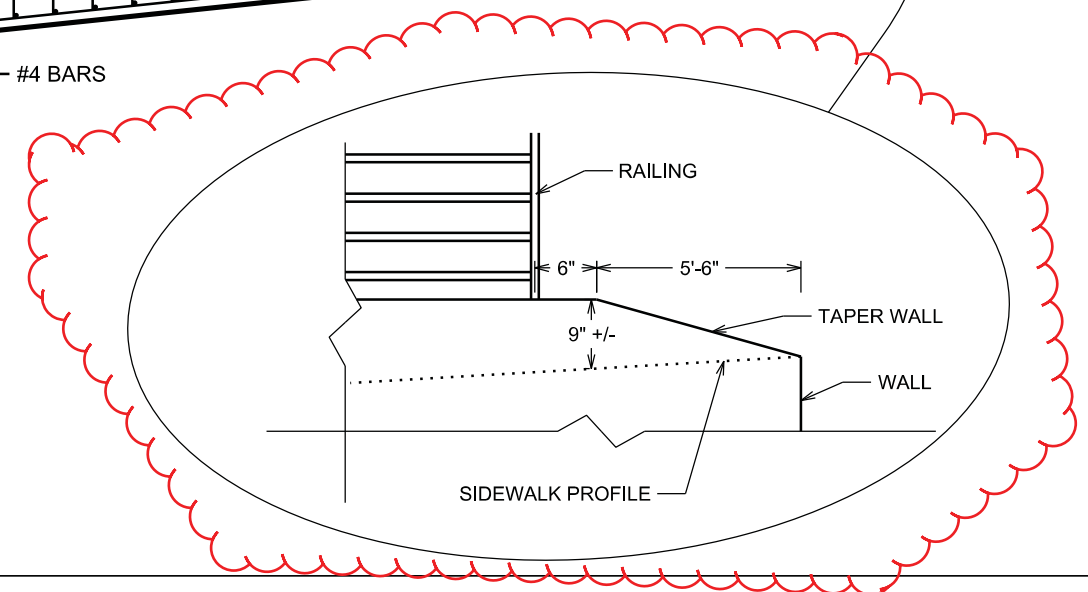
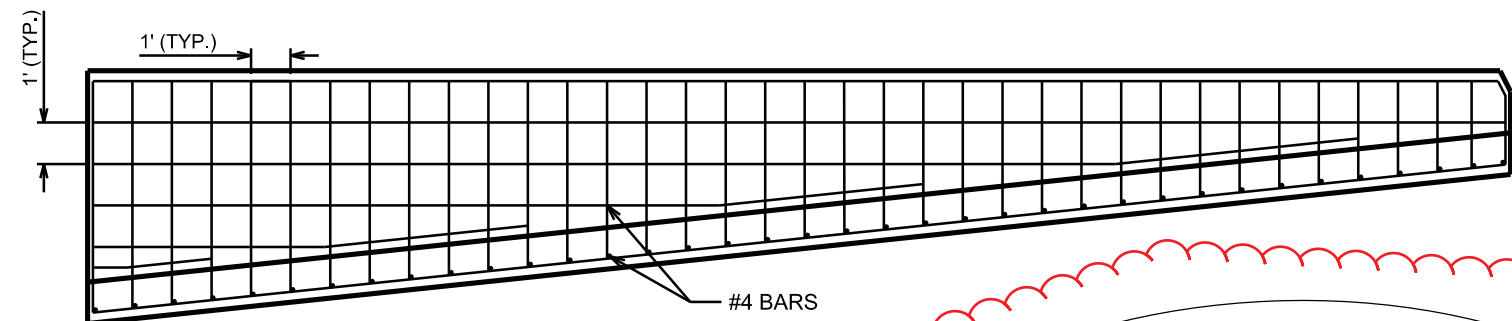


NOTES:

1. CONCRETE COMPRESSIVE STRENGTH = 3500 PSI
REINFORCING STEEL YIELD STRENGTH = 60,000 PSI
2. MAINTAIN 3" CLEAR, MINIMUM
3. ALL STEEL BARS SHALL BE EPOXY COATED
4. TOOLED CONTRACTION JOINTS ON THE WALL SHALL
BE SPACED APPROXIMATELY 9 FT.



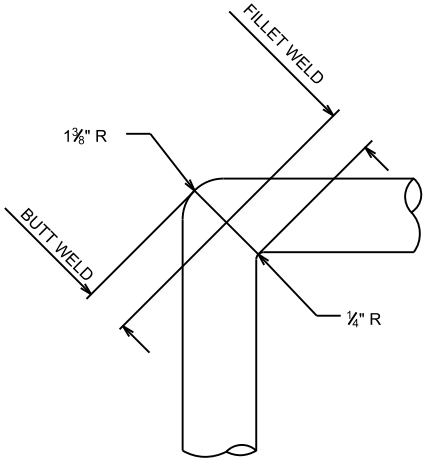
PROFILE VIEWS - LOOKING NORTH



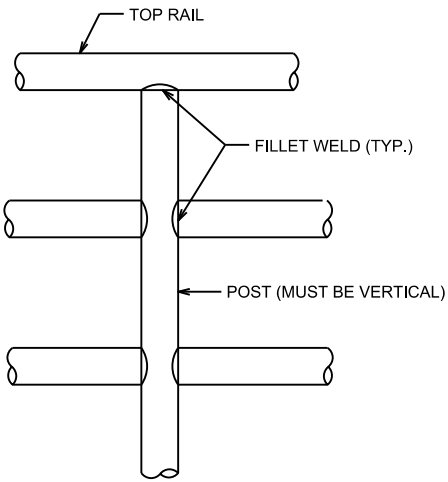
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV. DATE: PLOT NAME: PLOT SCALE:

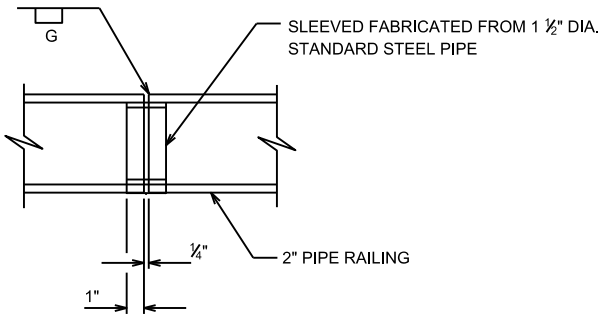
N HENRY ST & IOTA CT RECONSTRUCTION PROJECT NO. 53W1483	SHEET NO. D-3A
DETAILS	
RAILING	CITY OF MADISON



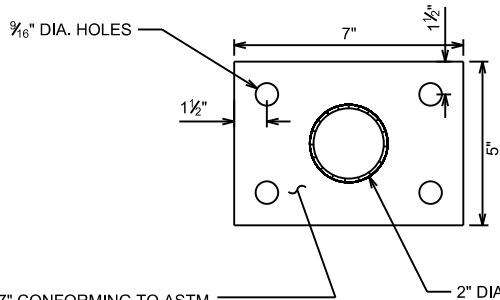
DETAIL A



DETAIL B



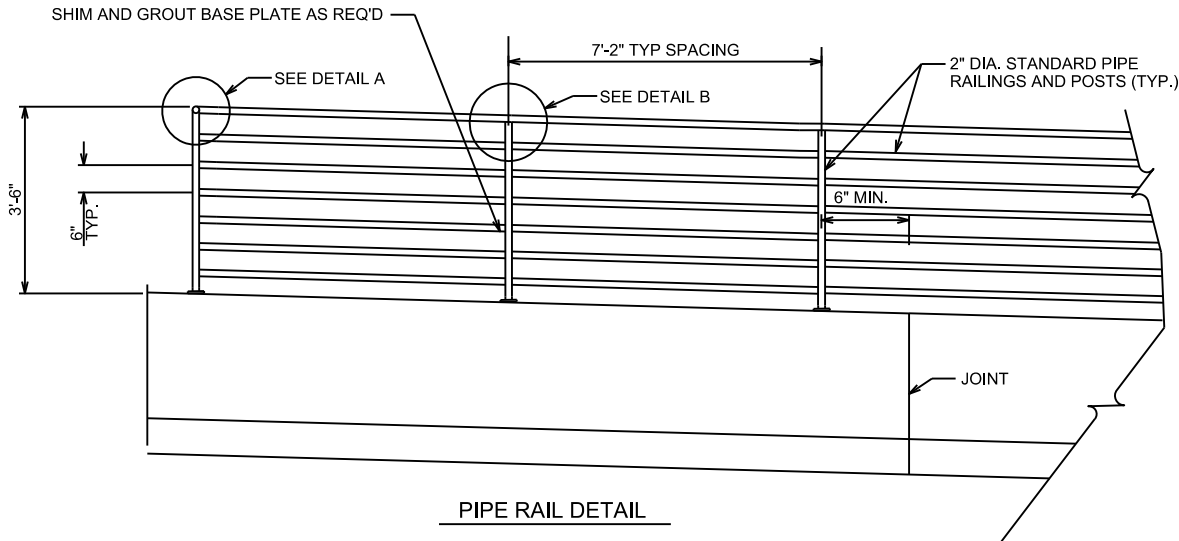
SHOP RAIL SPLICE DETAIL



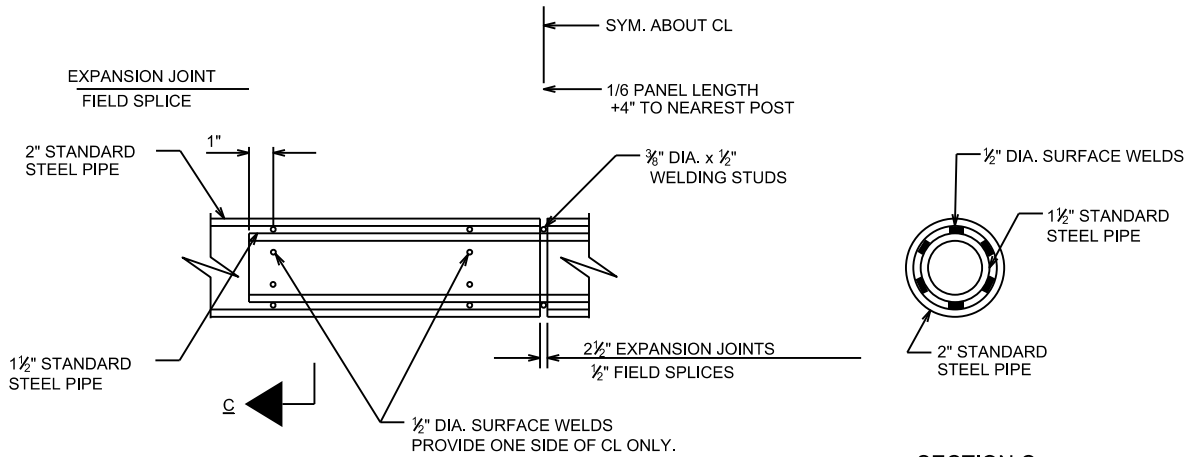
BASE PLATE 1/2" x 5" x 7" CONFORMING TO ASTM DESIGNATION A709 GRADE 36 WITH 7/16" HOLES FOR 1/2" DIA HEX BOLTS NO. 6. WELD TO RAIL POST AS SHOWN.

2" DIA. STEEL PIPE POST, CUT BOTTOM OF POST TO MATCH SLOPE OF TOP OF WALL. HOLD 1/8" ABOVE BASE PLATE TO ALLOW POST AND BASE PLATE TO BE WELDED TOGETHER. PLACE POST VERTICAL AND CENTERED ON BASE PLATE.

RAIL BASE PLATE DETAIL



PIPE RAIL DETAIL



EXPANSION JOINT AND FIELD SPLICE JOINT DETAIL

SECTION C

GENERAL NOTES - RAILING

ALL MATERIALS USED IN THE FABRICATION OF PIPE RAILING SHALL CONFORM TO SECTION 513 OF THE STANDARD SPECIFICATIONS.

SLIDING EXPANSION JOINT IN RAIL SEGMENT SHALL BE USED ONLY WHEN AND WHERE APPROVED BY THE ENGINEER.

ALL MATERIAL EXCEPT ANCHORAGE BOLTS SHALL BE PAINTED WITH A THREE-COAT ZINC RICH EPOXY SYSTEM. PRIOR TO PAINTING, ALL STEEL RAILING POST AND STEEL TUBING SHALL BE GIVEN A NO. 10 NEAR WHITE BLAST CLEANING BY S.S.P.C. SPECIFICATIONS

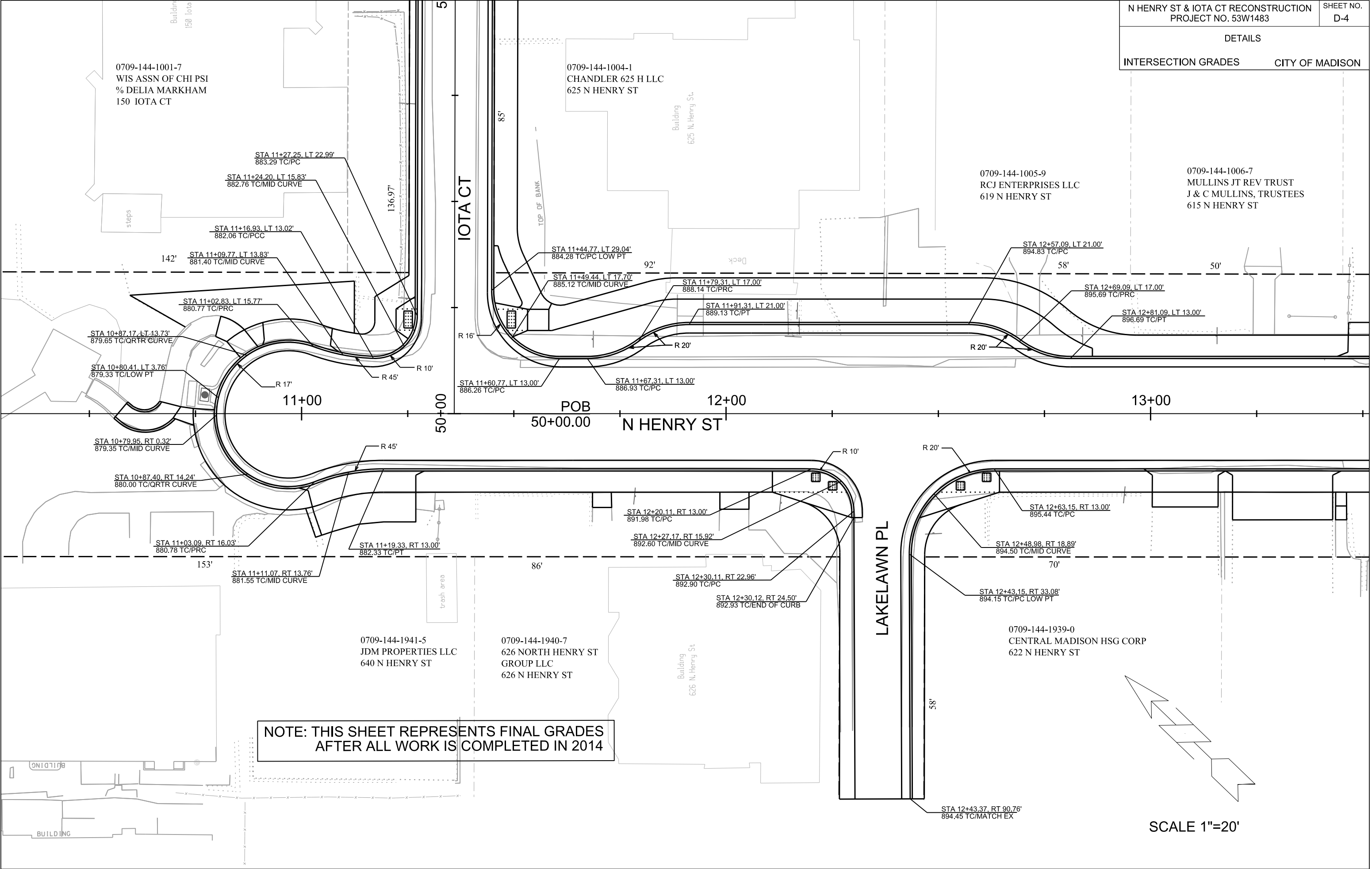
THE COLOR OF THE FINISH TOP COAT SHALL BE BLACK

VERTICAL MEMBERS SHALL BE PLUMB.
HORIZONTAL MEMBERS SHALL PARALLEL TOP OF WALL.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

CONCRETE MASONRY ANCHORS, GROUT, SHIMS, AND PAINTING SHALL BE INCLUDED IN THE BID ITEM "RAILING."

PIPE RAILING SHALL BE ATTACHED TO CONCRETE RETAINING WALL UNLESS OTHERWISE SHOWN ON THE PLANS.

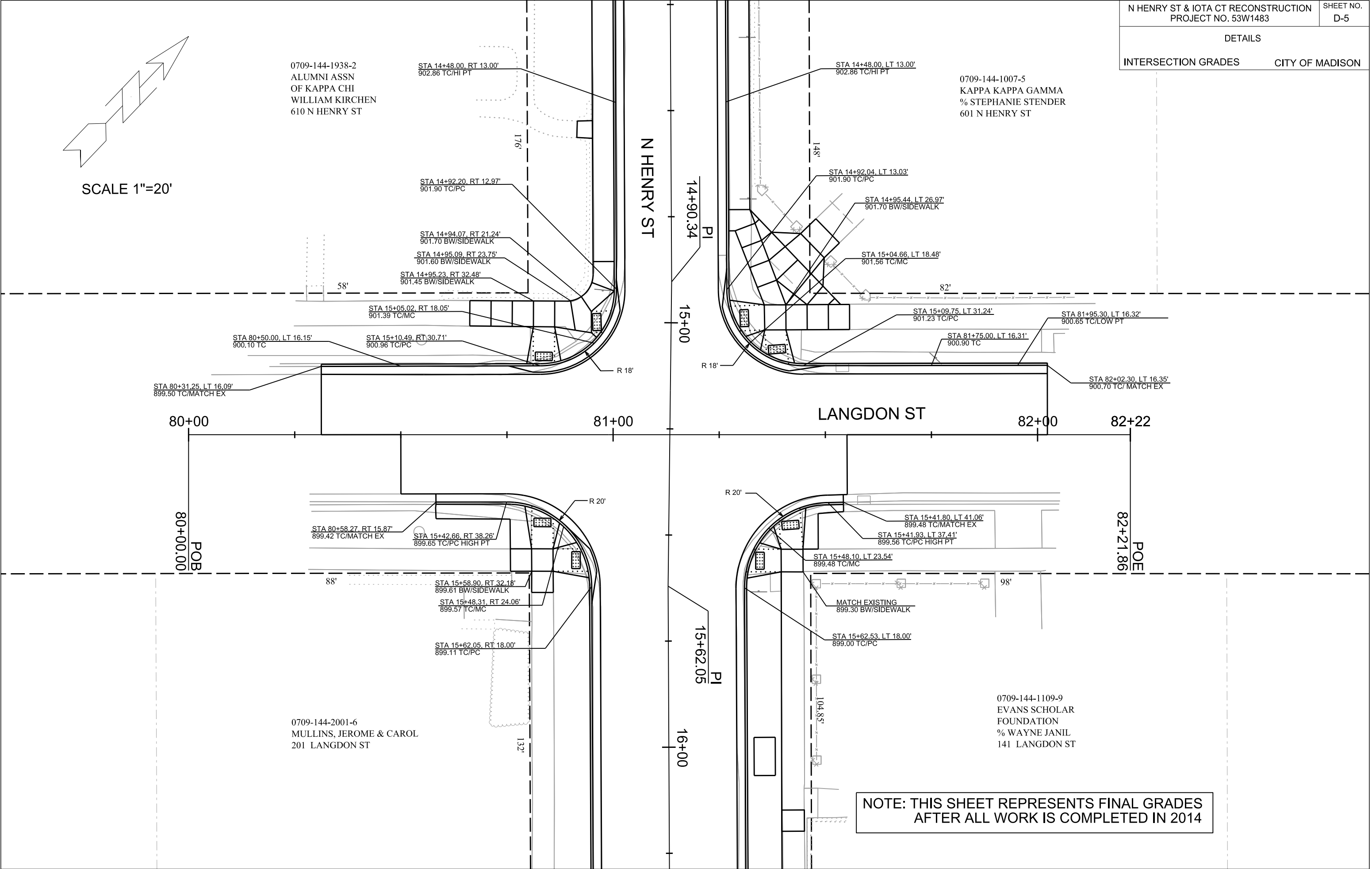


N HENRY ST & IOTA CT RECONSTRUCTION PROJECT NO. 53W1483		SHEET NO. D-4
DETAILS		
INTERSECTION GRADES	CITY OF MADISON	

NOTE: THIS SHEET REPRESENTS FINAL GRADES
AFTER ALL WORK IS COMPLETED IN 2014

SCALE 1"=20'

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



PLOT SCALE: -----

PLOT NAME: -----

REV. DATE: -----

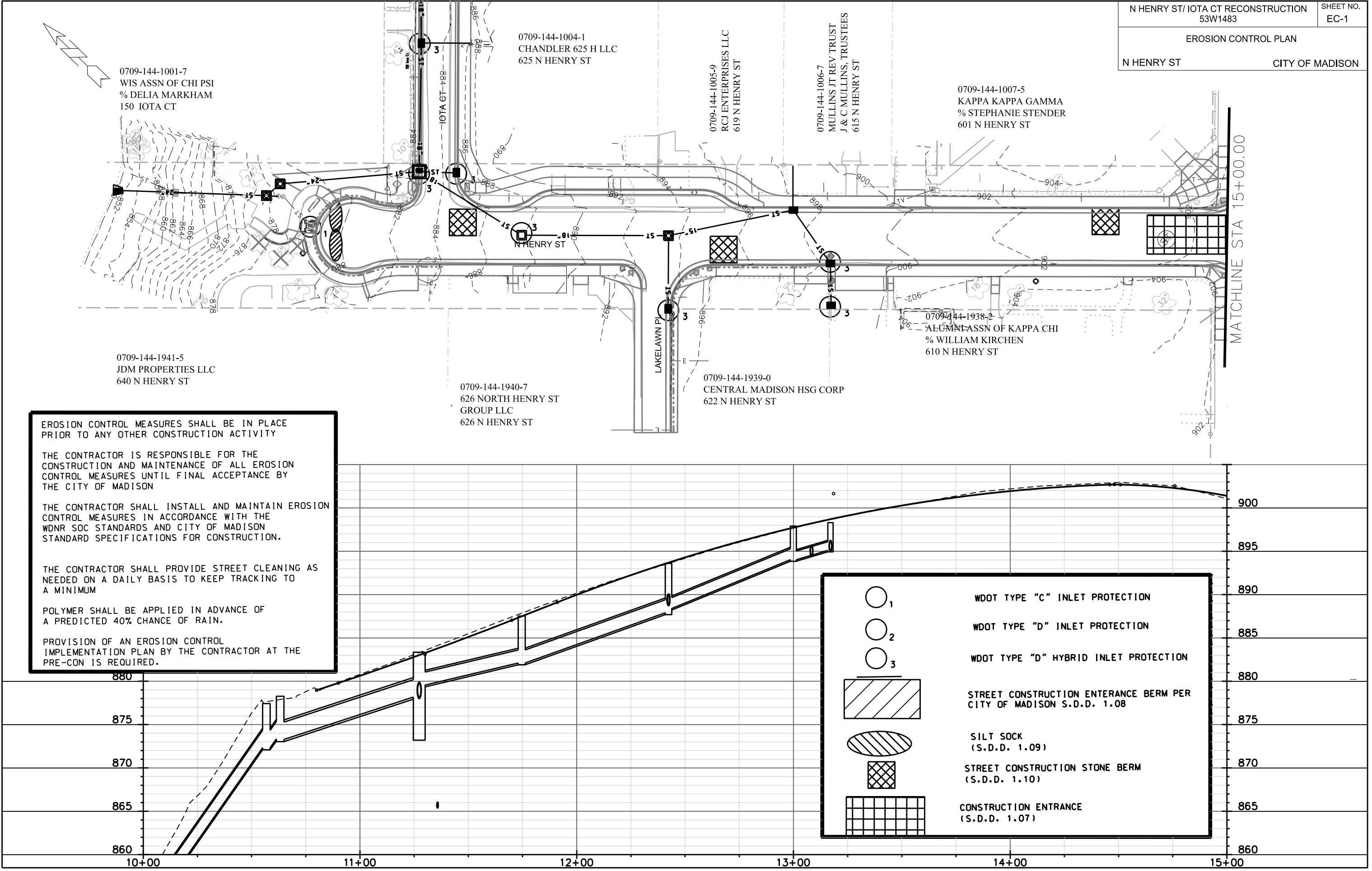
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

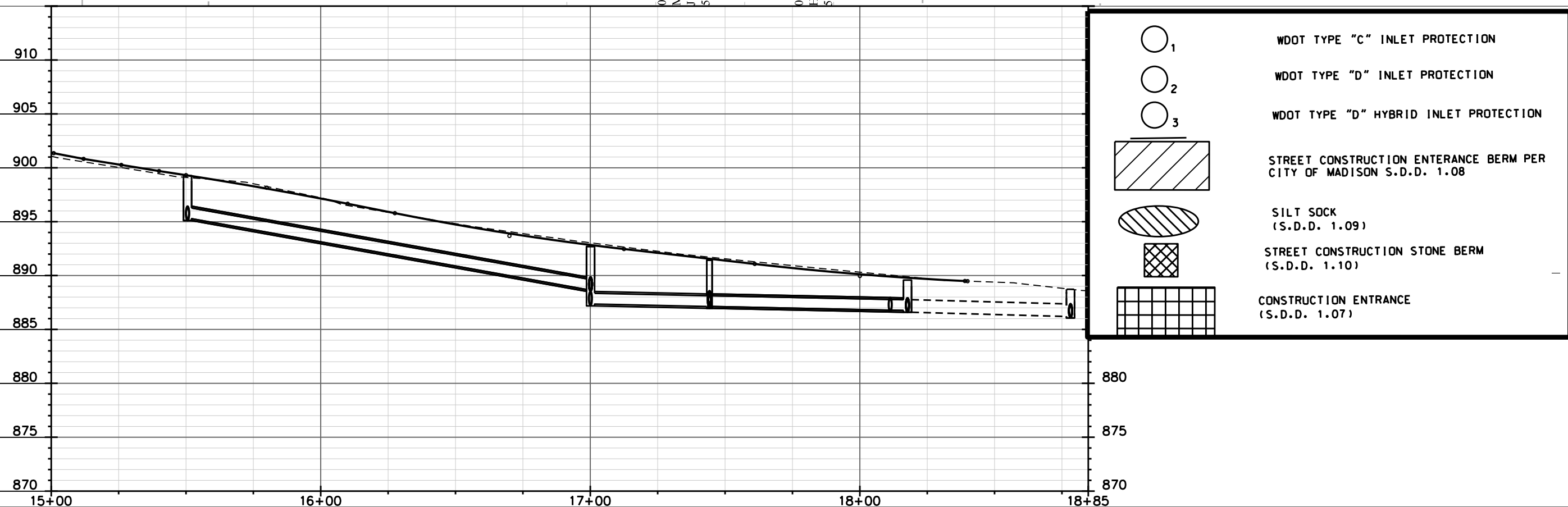
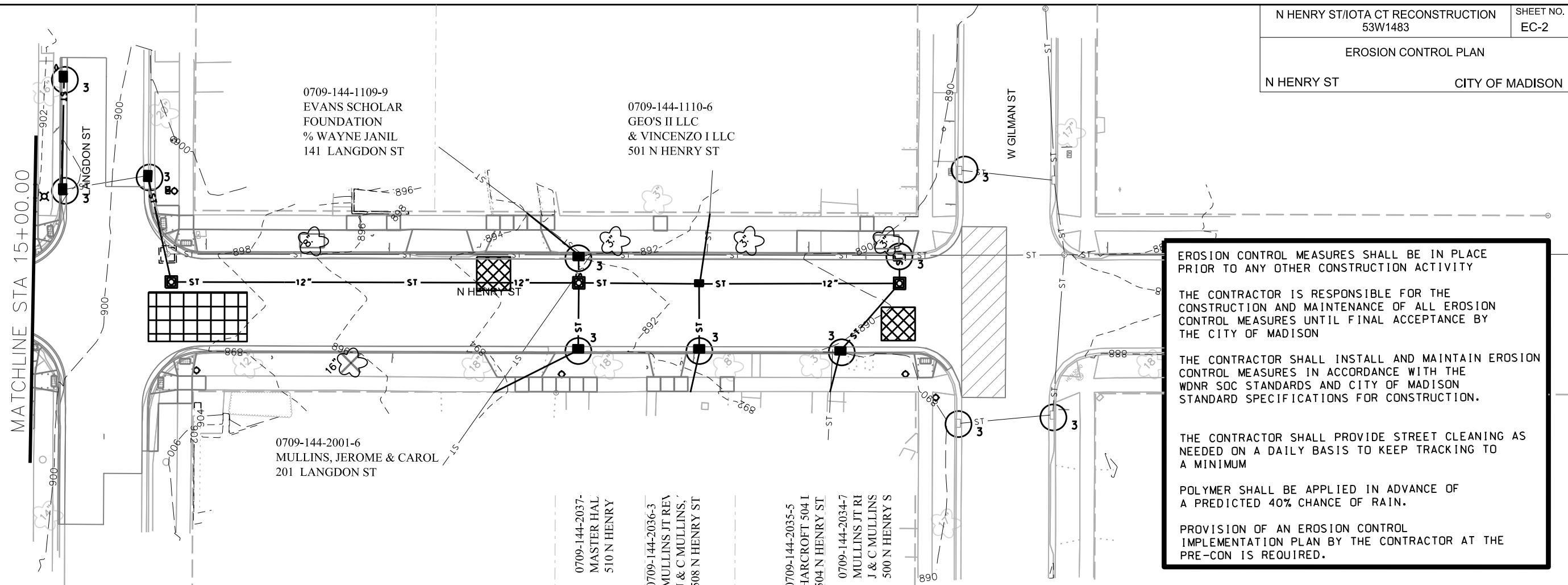
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



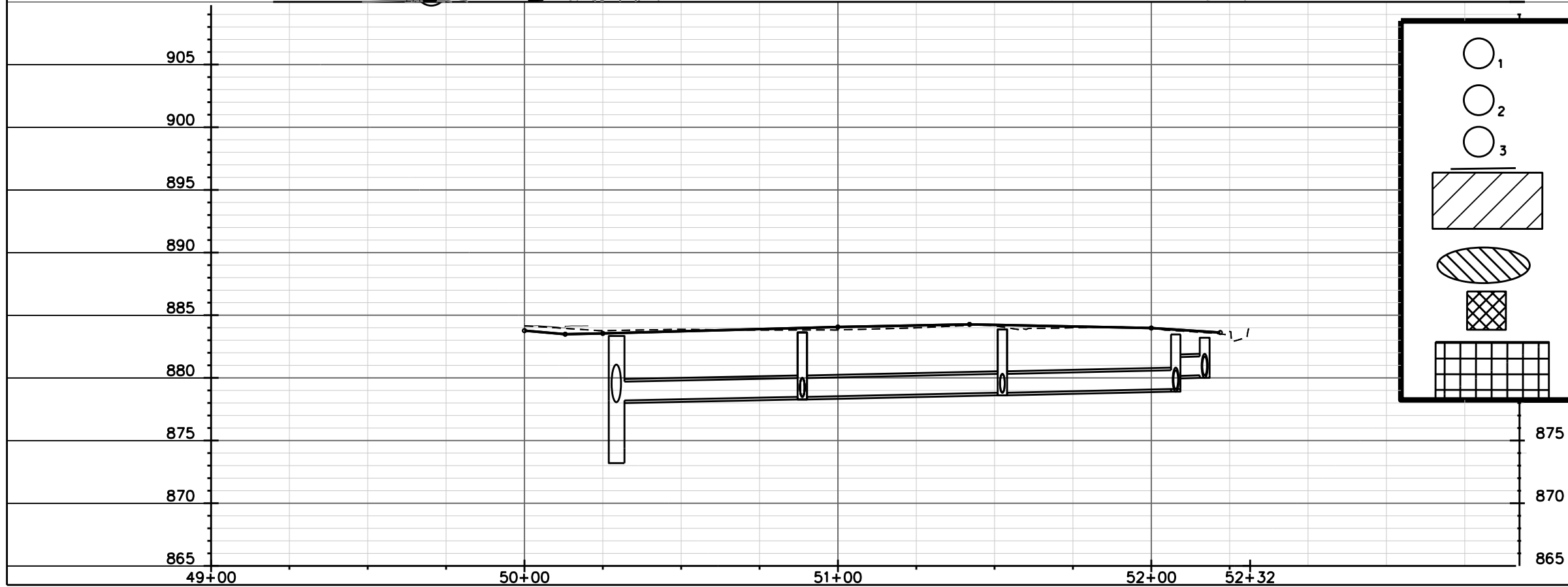
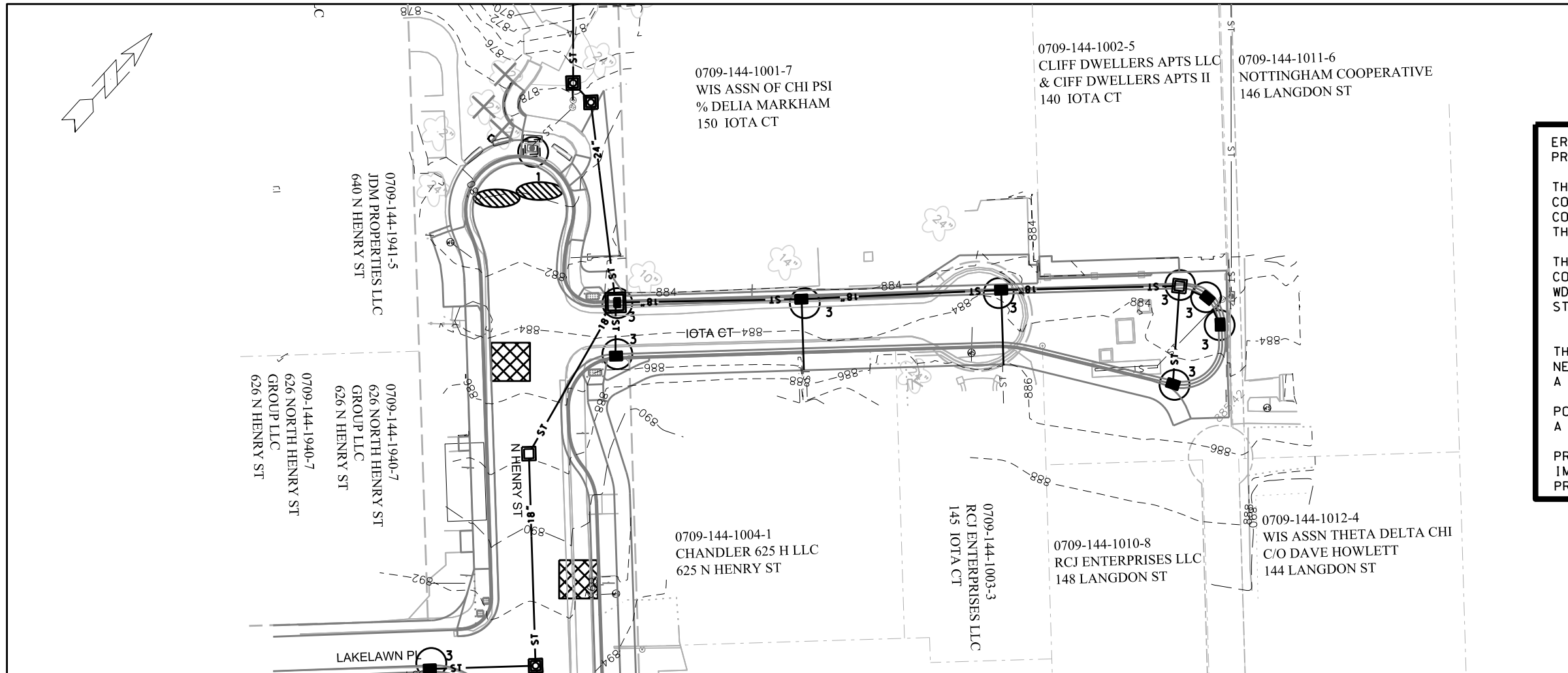


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



N HENRY ST/IOTA CT RECONSTRUCTION 53W1483		SHEET NO. EC-3
EROSION CONTROL PLAN		
IOTA CT		CITY OF MADISON

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

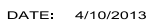
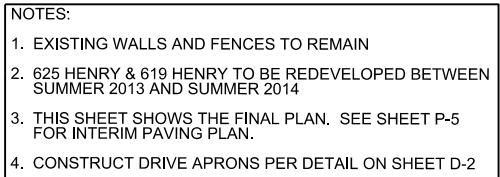
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNr SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS FOR CONSTRUCTION.

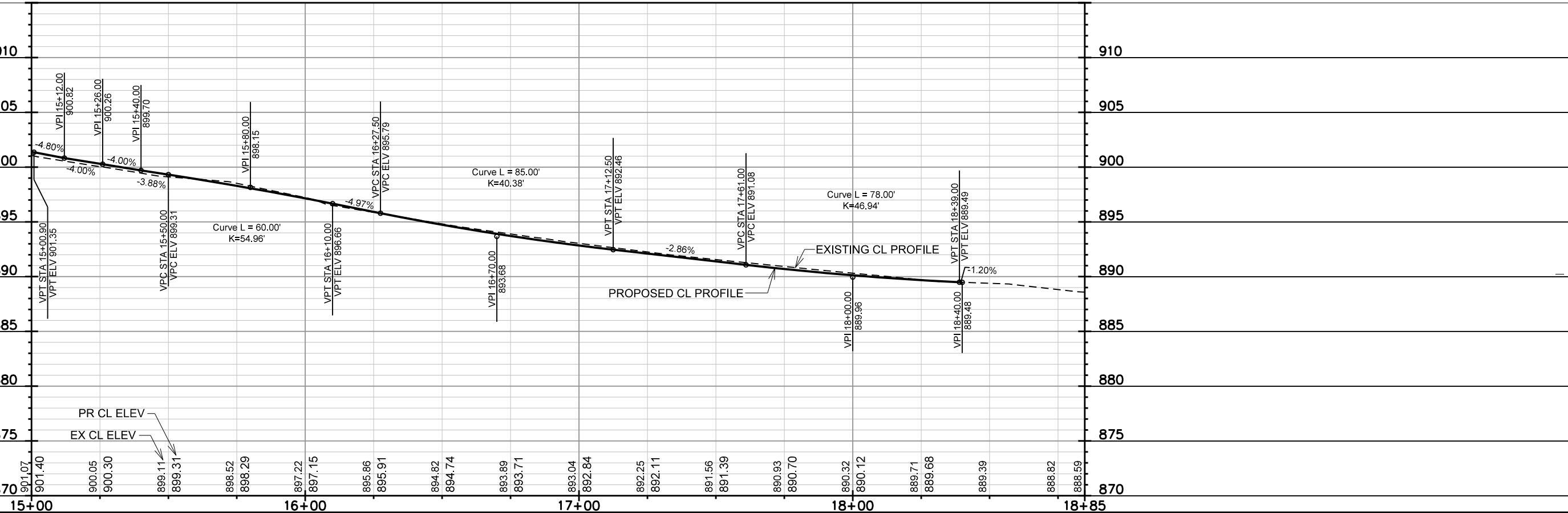
THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM

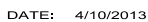
POLYMER SHALL BE APPLIED IN ADVANCE OF A PREDICTED 40% CHANCE OF RAIN.

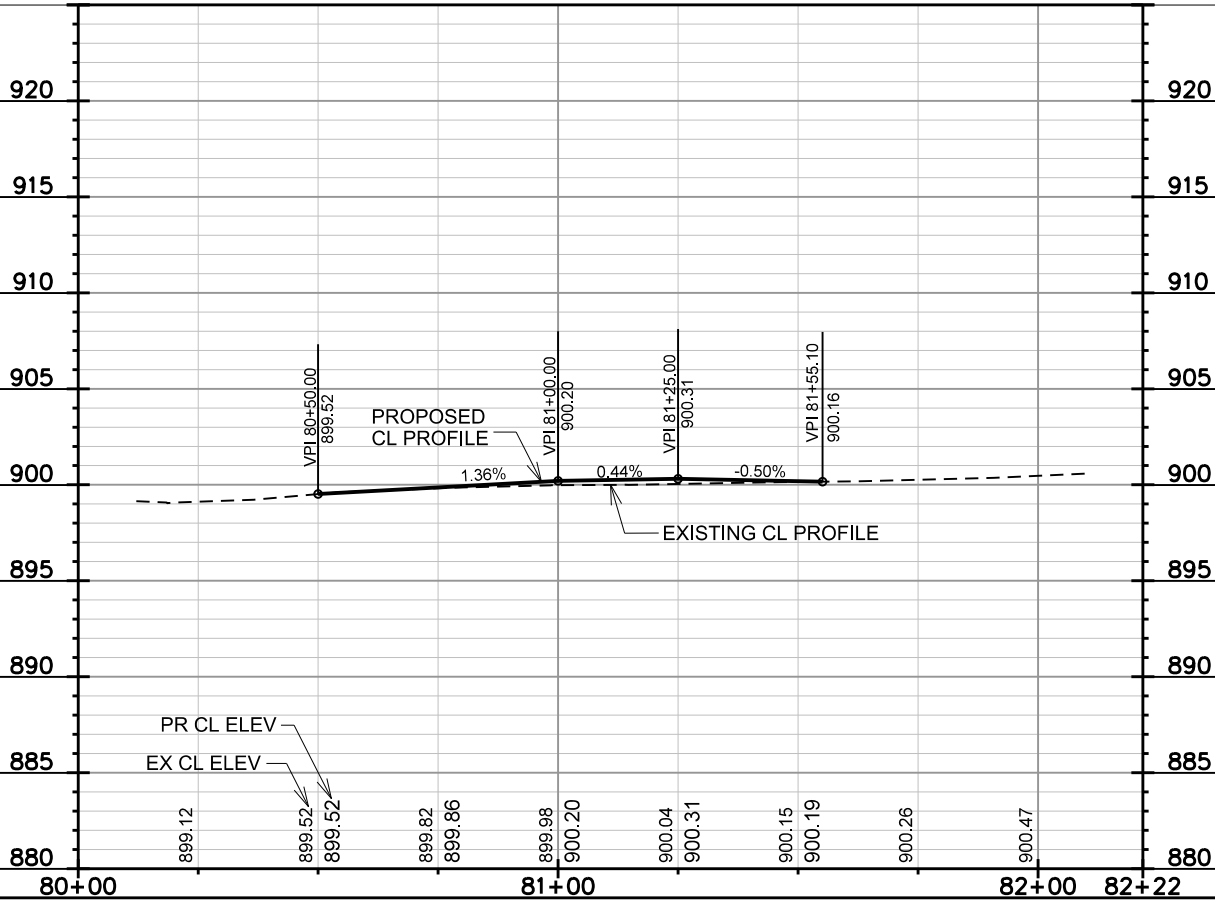
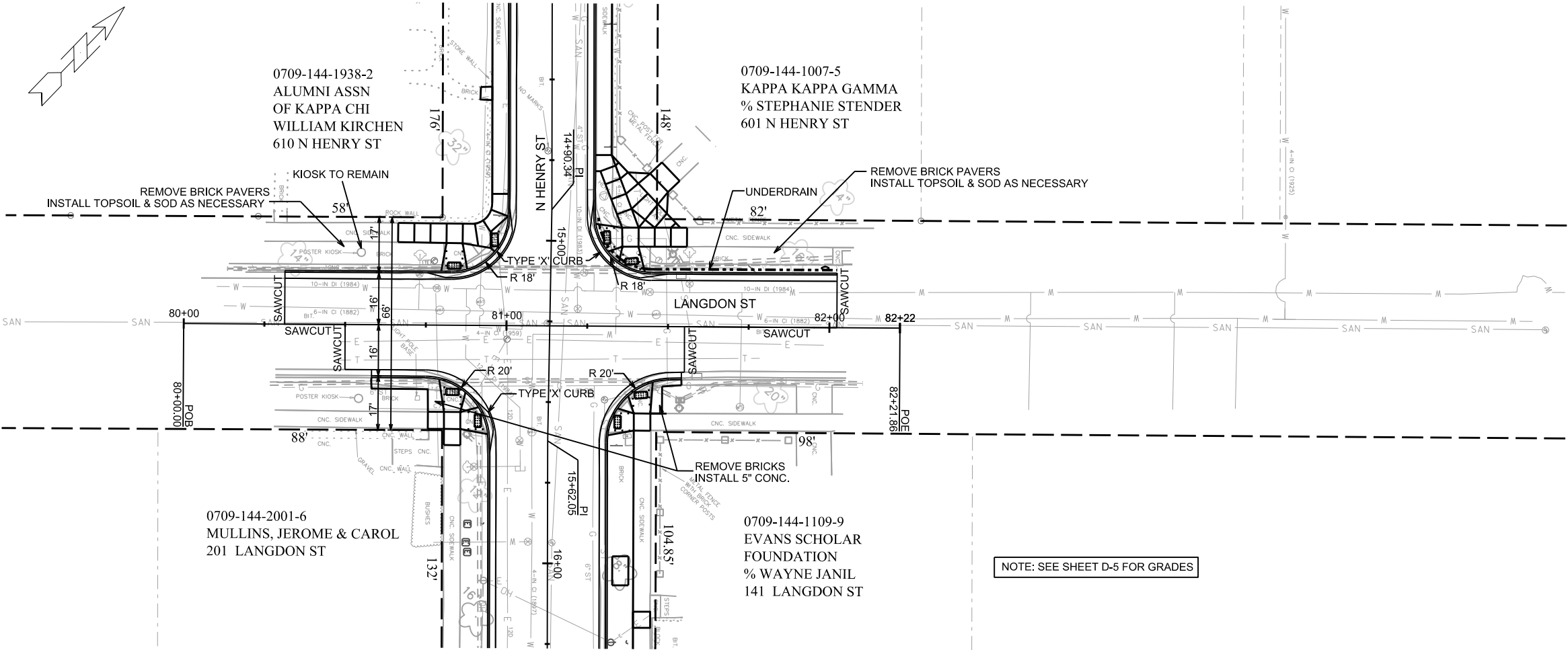
PROVISION OF AN EROSION CONTROL IMPLEMENTATION PLAN BY THE CONTRACTOR AT THE PRE-CON IS REQUIRED.

- WDOT TYPE "C" INLET PROTECTION
- WDOT TYPE "D" INLET PROTECTION
- WDOT TYPE "D" HYBRID INLET PROTECTION
- STREET CONSTRUCTION ENTRANCE BERM PER CITY OF MADISON S.D.D. 1.08
- SILT SOCK (S.D.D. 1.09)
- STREET CONSTRUCTION STONE BERM (S.D.D. 1.10)
- CONSTRUCTION ENTRANCE (S.D.D. 1.07)

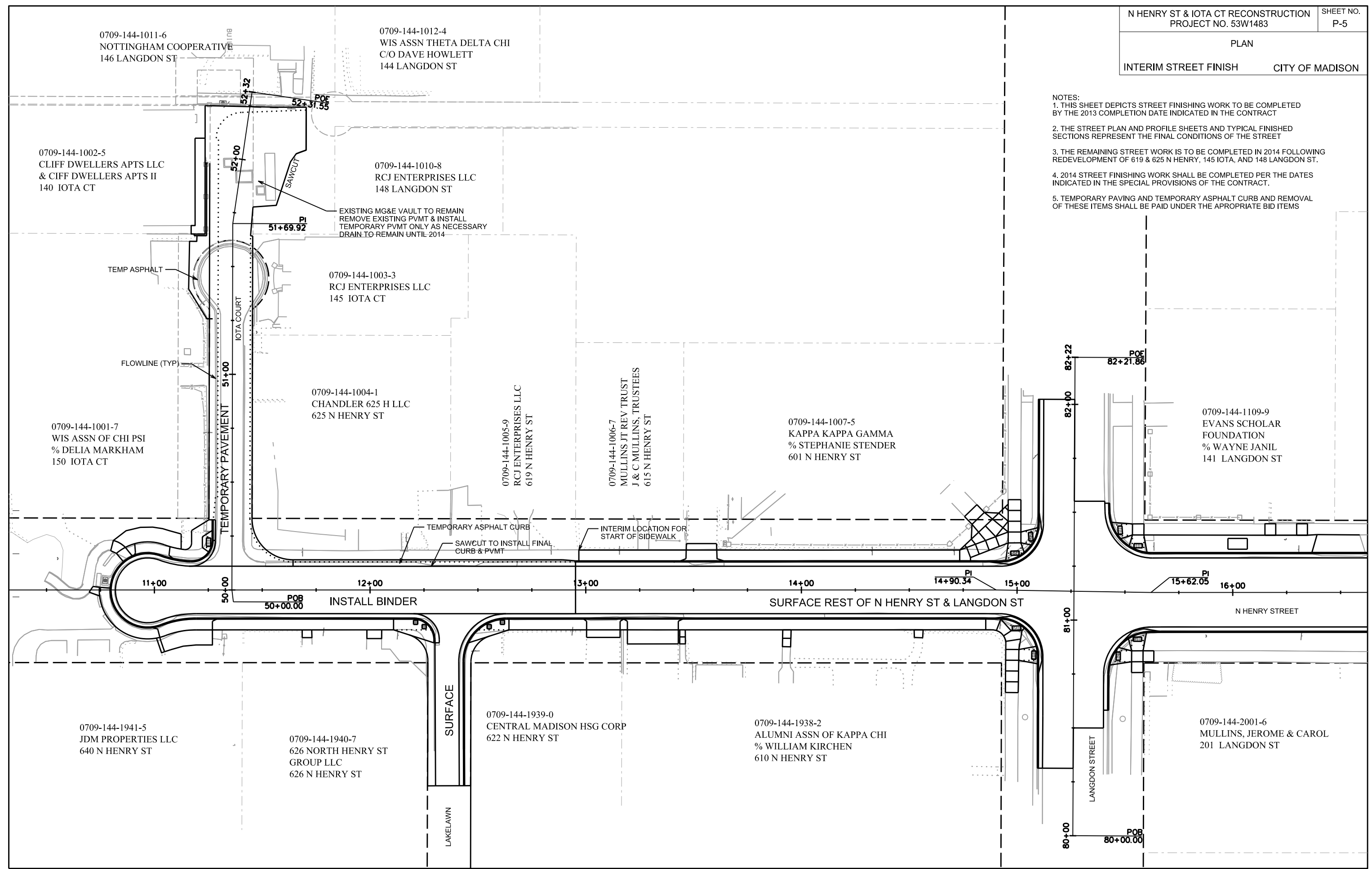








- NOTES:
1. THIS SHEET DEPICTS STREET FINISHING WORK TO BE COMPLETED BY THE 2013 COMPLETION DATE INDICATED IN THE CONTRACT
 2. THE STREET PLAN AND PROFILE SHEETS AND TYPICAL FINISHED SECTIONS REPRESENT THE FINAL CONDITIONS OF THE STREET
 3. THE REMAINING STREET WORK IS TO BE COMPLETED IN 2014 FOLLOWING REDEVELOPMENT OF 619 & 625 N HENRY, 145 IOTA, AND 148 LANGDON ST.
 4. 2014 STREET FINISHING WORK SHALL BE COMPLETED PER THE DATES INDICATED IN THE SPECIAL PROVISIONS OF THE CONTRACT.
 5. TEMPORARY PAVING AND TEMPORARY ASPHALT CURB AND REMOVAL OF THESE ITEMS SHALL BE PAID UNDER THE APROPRIATE BID ITEMS

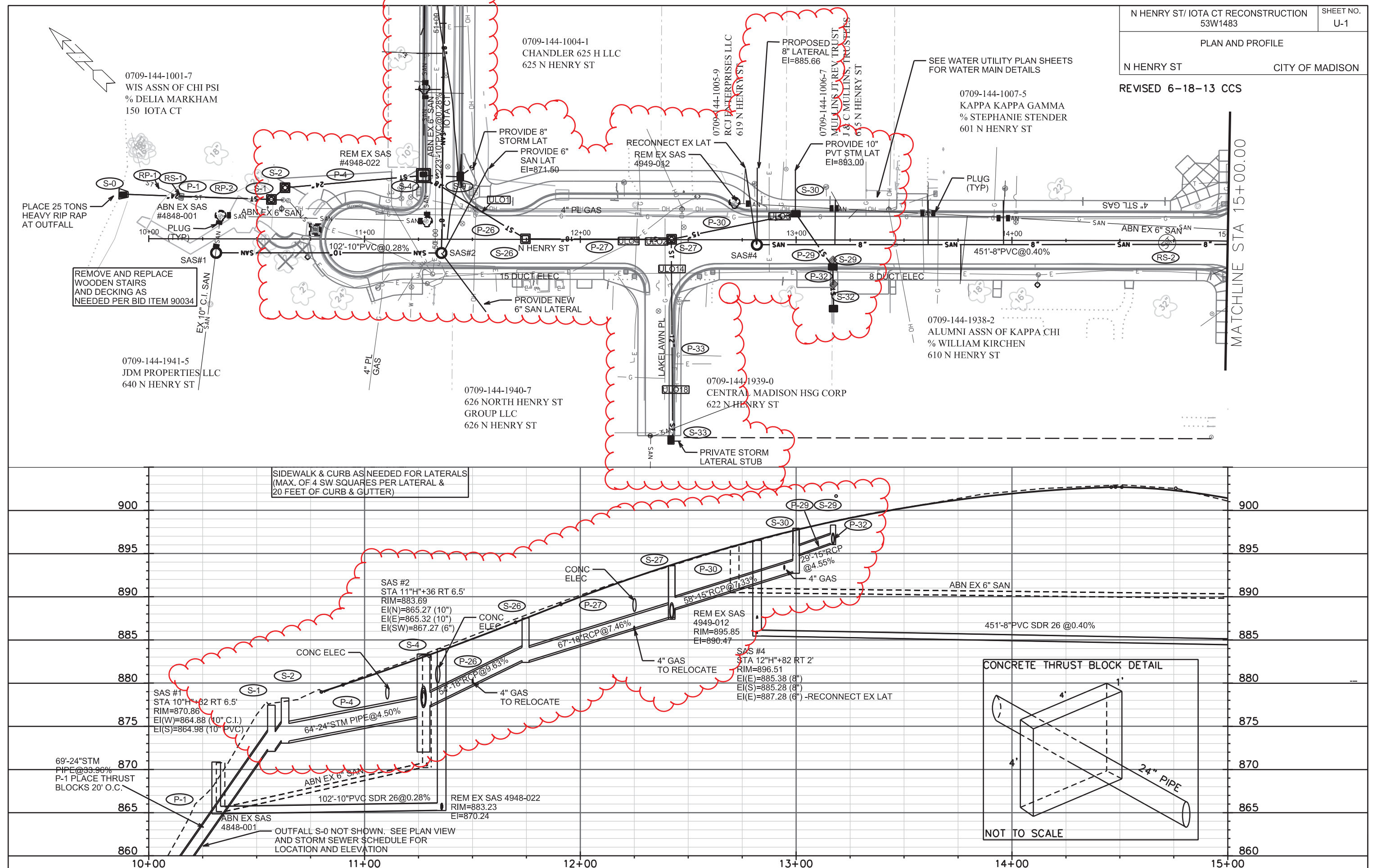


PLOT SCALE: _____

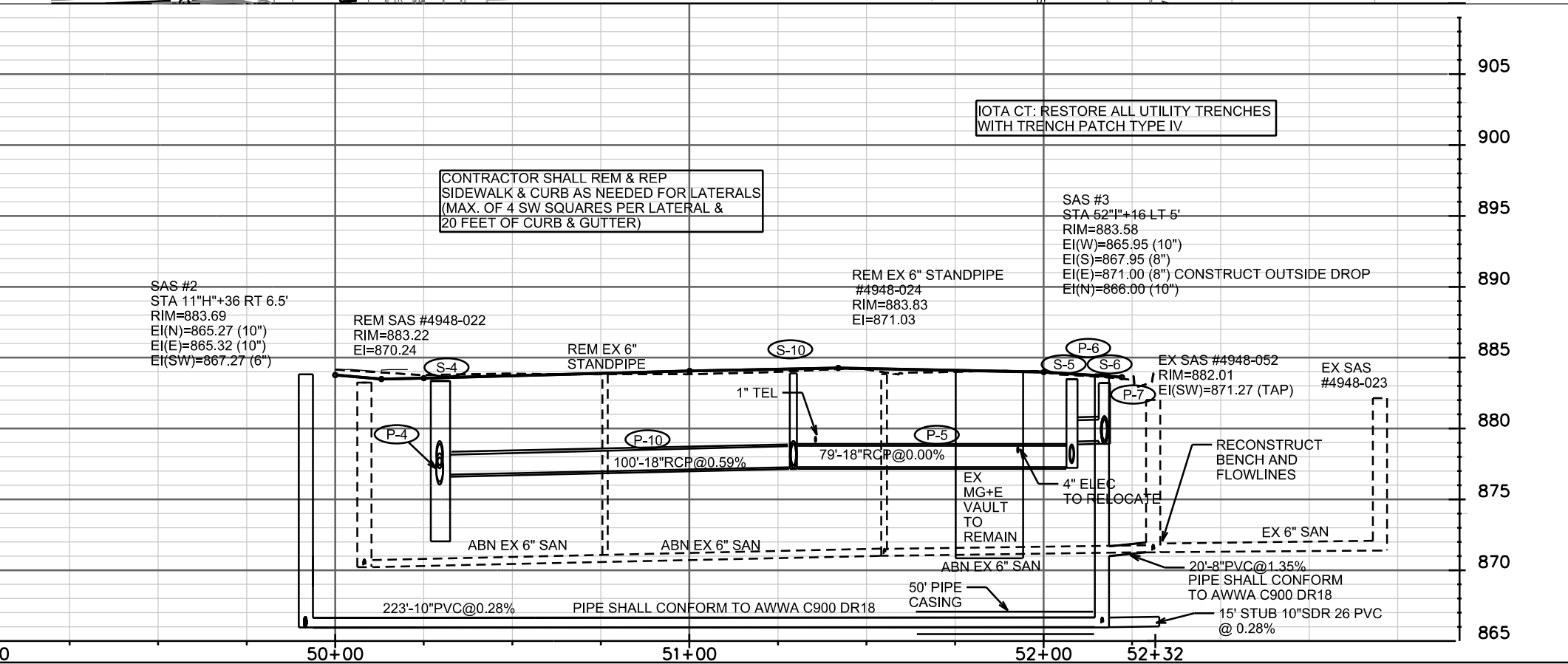
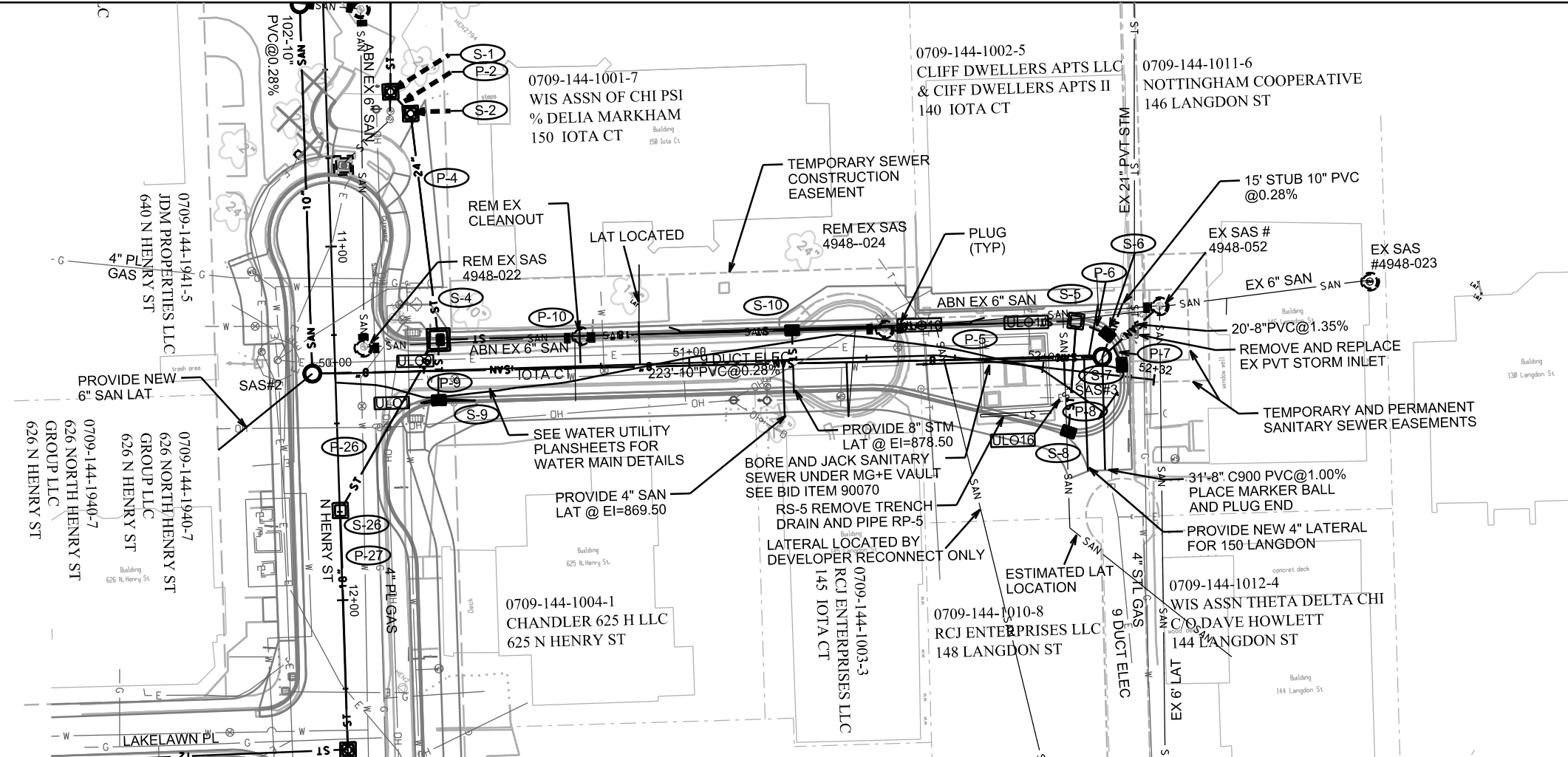
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREET'S DIVISION







SANITARY SEWER SCHEDULE

ALIGNMENT CODES:

"H"= N HENRY ST
"I" = IOTA CT

N HENRY ST/IOTA CT
PROJECT NO. 53W1483

SHEET NO.
U-4

SANITARY SEWER SCHEDULECITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS #1	10'H'+32.00	RT-6.50	870.86	864.88	5.98	
SAS #2	11'H'+36.00	RT-6.50	883.69	865.27	18.42	
SAS #3	52'I'+16.00	LT-5.00	883.58	865.95	17.63	
SAS #4	12'H'+82.00	RT-2.00	896.51	885.28	11.23	
SAS #5	15'H'+25.00	RT-0	900.01	890.79	9.22	REMOVE AND REPLACE

PROPOSED SANITARY PIPES

FROM SAS (DNSTM)	TO SAS (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	SIZE (DIA)	TYPE	NOTES
4848-001	SAS #1	102	864.98	865.27	0.28%	10"	PVC SDR 26	
SAS #2	SAS #3	223	865.32	865.95	0.28%	10"	PVC AWWA C900 DR 18	
SAS #3	4948-052	20	871.00	871.27	1.35%	8"	PVC SDR 26	
4949-051	SAS #4	451	883.47	885.28	0.40%	8"	PVC SDR 26; TAP	

SANITARY PIPE REMOVALS AND ABANDONMENTS

REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	SIZE (DIA)	
4949-051	4949-009	140	N	6"	REMOVE
4949-009	4949-012	322	N	6"	ABN WITH PLUGS
4948-001	4948-022	92	N	6"	ABN WITH PLUGS
4948-022	4948-024	147	N	6"	ABN WITH PLUGS
4948-024	4948-052	78	N	6"	ABN WITH PLUGS

SANITARY STRUCTURE REMOVALS

SAS NO.	STATION	LOCATION (OFFSET)	EX TOP CASTING	EX EI	DEPTH	NOTES
4848-001	10'H'+33.00	LT-10.50	870.78	864.88	5.90	ABANDON
4948-022	11'H'+28.00	LT-8.00	883.23	870.24	12.99	REMOVE
4948-024	51'I'+56.00	LT-8.00	883.83	871.03	12.80	REMOVE CLEANOUT
4949-012	12'H'+73.00	LT-15.00	895.85	890.47	5.38	REMOVE
4949-009	15'H'+92.00	LT-1.00	897.57	889.51	8.06	REMOVE
4848-008	15'H'+25.00	RT-0	900.01	890.79	9.22	REMOVE AND REPLACE

ORIGINATOR: CITY OF MADISON STREETS DIVISION

STORM SEWER SCHEDULE

ALIGNMENT CODES:

"H"= N HENRY ST
"I"= IOTA CT
"L"= LANGDON ST

* REVISED 6-18-13 CCS
** REVISED 6-28-13 CCS

N HENRY ST/ IOTA CT
PROJECT NO. 53W1483

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-0	9'H'+86.00	LT-20.00	24" RCP AE	---	849.00	---	W/GATE, W/COLLAR; END OF APRON STATION
S-1	10'H'+58.00	LT-18.00	3X3 SAS	877.43	872.43	5.00	W/1550-0054;(2)
S-2	10'H'+65.00	LT-24.00	3X3 SAS	878.27	873.27	5.00	W/1550-0054
S-4	50'I'+28.00	LT-8.30	60" DIA CB	883.35	876.15	7.20	W/3067-7004-V; (1); (6)
** S-5	11'H'+27.70	LT-209.50	3X3 SAS	883.40	877.40	6.00	W/1878-B7G
S-6	11'H'+31.55	LT-218.69	H INLET	883.30	879.16	4.14	LP;W/1878-B7G
S-7	11'H'+40.75	LT-222.47	H INLET	883.46	879.22	4.24	W/3067-7004-V
S-8	11'H'+59.10	LT-204.58	H INLET	884.20	877.85	6.35	W/1878-B7G
S-9	11'H'+44.70	LT-29.00	H INLET	884.28	878.67	5.61	LP;W/3067-7004
** S-10	51'I'+29.00	LT-8.50	H INLET	884.00	877.40	6.60	FP; W/1878-B7G; (5)
S-11	50'I'+89.00	LT-8.50	H INLET	883.56	877.40	6.16	W/1878-B7G; (5)
S-25	10'H'+79.00	LT-3.00	EX TER INLET	878.99	874.13	4.86	TAP
S-26	11'H'+75.00	RT-0'	3X3 SAS	887.53	882.60	4.93	W/1550-0054
S-27	12'H'+43.50	RT-0'	3X3 SAS	893.70	887.60	6.10	W/1550-0054
S-29	13'H'+17.00	RT-12.50	H INLET	898.84	896.20	2.64	FP; W/3067-7004-V
S-30	13'H'+00.00	LT-12.50	H INLET	897.90	892.90	5.00	FP; W/3067-7004-V; (5)
S-31	12'H'+43.50	RT-33.00	H INLET	894.15	888.10	6.05	FP; LP;W/3067-7004
S-32	13'H'+17.00	RT-33.00	H INLET	898.25	896.30	1.95	FP; W/1878-B7G; (4)
S-33	12'H'+43.50	RT-94.00	H INLET	894.31	892.06	2.25	FP; W/3067-7004-V
S-50	18'H'+18.00	LT-17.50	EX H INLET	889.71	886.71	3.00	TAP
S-51	18'H'+18.00	LT-7.00	3X3 SAS	889.58	886.71	2.87	FP; W/1550-0054
S-52	17'H'+45.00	LT-7.00	3X3 SAS	891.42	887.13	4.29	W/1550-0054; (4)
S-53	17'H'+05.00	LT-7.00	3X3 SAS	892.55	887.13	5.42	W/1550-0054
S-54	15'H'+50.00	LT-7.00	3X3 SAS	899.27	894.27	5.00	W/1550-0054
S-55	81'L'+56.00	RT-16.00	H INLET	899.46	896.87	2.59	FP; W/3067-7004-V
S-56	17'H'+00.00	LT-17.50	H INLET	892.90	889.70	3.20	W/3067-7004-V; (4)
S-57	17'H'+05.00	RT-18.00	H INLET	892.75	889.00	3.75	W/3067-7004-V; (4)
S-58	17'H'+96.00	RT-18.00	H INLET	890.26	888.01	2.25	W/3067-7004-V; (4)
S-59	17'H'+45.00	RT-18.00	H INLET	891.26	889.00	2.26	W/3067-7004-V; (5)
S-60	81'H'+54.00	LT-17.50	H INLET	901.10	896.89	4.21	W/3067-7004-V
S-61	81'H'+95.30	LT-15.80	H INLET	900.65	897.45	3.20	LP; W/3067-7004

PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-0	S-1	69	849.00	872.43	33.96%	24"	STM PIPE, (3)	
P-2	S-1	S-2	8	872.43	873.27	10.50%	24"	STM PIPE	
P-4	S-2	S-4	64	873.27	876.15	4.50%	24"	STM PIPE	
** P-5	S-10	S-5	79	877.40	877.40	0.00%	18"	RCP	
P-6	S-5	S-6	10	878.40	879.16	7.60%	12"	RCP	
P-7	S-6	S-7	9	879.16	879.22	0.67%	12"	RCP	
** P-8	S-5	S-8	31	877.40	877.85	1.45%	12"	RCP	NCM
P-9	S-4	S-9	19	878.67	878.67	0.00%	12"	RCP	NCM
** P-10	S-4	S-10	100	876.81	877.40	0.59%	18"	RCP	
P-11	S-4	S-11	58	877.40	877.40	0.00%	18"	RCP	NCM
P-26	S-4	S-26	54	877.40	882.60	9.63%	18"	RCP	NCM
P-27	S-26	S-27	67	882.60	887.60	7.46%	18"	RCP	
P-29	S-30	S-29	29	892.90	896.20	11.38%	15"	RCP	
P-30	S-27	S-30	58	888.65	892.90	7.33%	15"	RCP	NCM
P-31	S-27	S-31	33	888.10	888.10	0.00%	12"	RCP	
P-32	S-29	S-32	18	896.20	896.30	0.56%	12"	RCP	NCM
P-33	S-27	S-33	93	891.45	892.06	0.66%	10"	C900 PVC	
P-51	S-50	S-51	10	886.71	886.71	0.00%	12"	RCP	
P-52	S-51	S-52	74	886.71	887.13	0.57%	12"	RCP	
P-53	S-52	S-53	39	887.13	887.13	0.00%	12"	RCP	
P-54	S-53	S-54	154	887.13	894.27	4.64%	12"	RCP	
P-55	S-54	S-55	40	895.72	896.87	2.87%	12"	RCP	
P-56	S-53	S-56	9	889.13	889.70	6.33%	12"	RCP	NCM
P-57	S-53	S-57	24	887.13	889.00	7.79%	12"	RCP	NCM
P-58	S-51	S-58	33	888.01	888.01	0.00%	12"	RCP	
P-59	S-52	S-59	24	888.00	889.00	4.17%	12"	RCP	
P-60	S-60	S-61	41	896.89	897.45	1.37%	12"	RCP	

STANDARD NOTES:

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- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT COREY STELLJES OF CITY ENGINEERING AT (608) 266-9721 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608)264-9275.

SPECIFIC NOTES

- * (1) W/ SNOUT. W/ 4' SUMP BELOW LISTED INVERT
- (2) RECONNECT EX 12" RCP AT INVERT
- (3) 4' SQUARE X 1' THICK CONCRETE THRUST BLOCKS SHALL BE INSTALLED EVERY 20' ALONG PIPE. BID ITEM 90035.
- (4) W/ PRIVATE STORM RECONNECT
- (5) W/ NEW PRIVATE STORM SEWER LATERAL
- (6) VARIANCE TO PRECAST CONCRETE STRUCTURE SPEC ALLOWED

ORIGINATOR: CITY OF MADISON STREETS DIVISION

PLOT SCALE: _ _ _ _

PLOT NAME: _ _ _ _

REV. DATE: _ _ _ _

STORM REMOVAL SCHEDULE

ALIGNMENT CODES:

"H"= N HENRY ST
"I"= IOTA CT
"L"= LANGDON ST

* REVISED 6-18-13 CCS

W GILMAN/ N CARROLL ST
RECONSTRUCT 2011

SHEET NO.
U-6

PROJECT NO. 53W0864

STORM REMOVAL SCHEDULE

CITY OF MADISON

STORM STRUCTURE REMOVALS

STRUCT NO.	ID #	STATION	LOCATION (OFFSET)	TYPE	NOTES:
RS-1	IN 4948-020	10'H'+20.00	LT-20.00	H INLET	REMOVE
RS-2	N/A	14'H'+70.00	RT-0	CISTERN	REMOVE BID ITEM #90033
RS-3	IN 4949-010	81'L'+56.00	RT-16.00	H INLET	REMOVE SALVAGE CASTING
RS-4	AS 4949-011	15'H'+50.00	LT-15.00	SAS	REMOVE
RS-5	N/A	51'I'+85.00	RT-14.00	TRENCH DRAIN	REMOVE
RS-6	IN 4949-009	81'L'+53.00	LT-15.50	H INLET	REMOVE SALVAGE CASTING

STORM PIPE REMOVALS

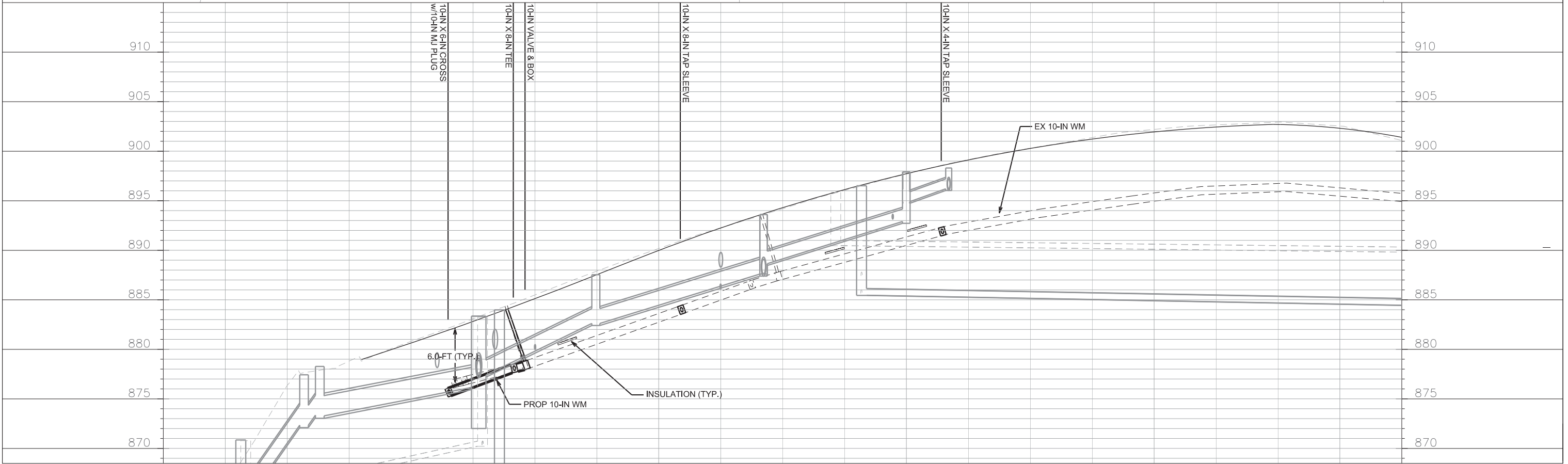
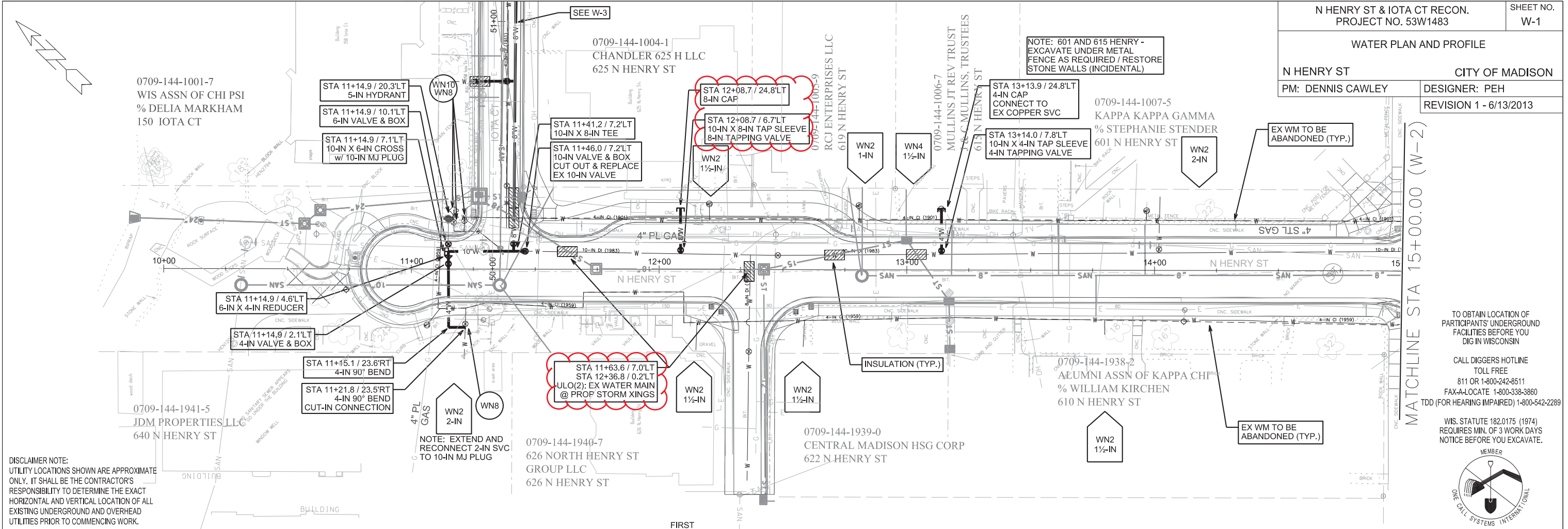
PIPE REMOVAL NO.	REMOVE FROM	REMOVE TO	REMOVAL LENGTH	PAID (Y/N)	PIPE DIA	NOTES
RP-1	END	RS-1	22	Y	12"	REMOVE
RP-2	RS-1	S-1	42	N	12"	REMOVE
RP-3	RS-3	RS-4	40	N	12"	REMOVE
RP-4	RS-4	S-50	268	N	12"	ABANDON WITH PLUGS
RP-5	RS-5	PVT INLET	31	Y	12"	REMOVE

ULO'S

NO.	STATION	LOCATION (OFFSET)	TYPE	TOP UTIL ELEV	BOT UTIL ELEV	NOTES
* ULO-1	11'H'+50.00	LT-11.00	4" GAS	880.36	879.94	GAS TO RELOCATE
* ULO-2	12'H'+39.00	RT-0	4" GAS	886.74	886.32	GAS, WATER TO RELOCATE
* ULO-3	12'H'+85.00	LT-11.00	GAS, ELEC	894.00	892.92	STORM SEWER REVISED, GAS TO RELOCATE
* ULO-4	12'H'+26.00	RT-0	ELEC	889.33	888.33	STORM SEWER REVISED
* ULO-5	16'H'+95.00	LT-8.00	CONC ELEC	891.85	889.05	STORM SEWER REVISED
* ULO-6	15'H'+49.00	LT-14.00	8" GAS	894.27	893.52	STORM SEWER REVISED
* ULO-7	17'H'+00.00	LT-14.40	8" GAS	888.74	887.99	NO CONFLICT
* ULO-8	18'H'+18.00	LT-13.80	8" GAS	885.87	885.12	NO CONFLICT
* ULO-9	50'I'+22.00	LT-3.00	CONC ELEC	881.70	880.17	STORM SEWER REVISED
* ULO-10	51'I'+66.00	LT-8.50	1" TEL	879.69	878.90	STORM SEWER REVISED
* ULO-11	51'I'+90.00	LT-11.00	4" ELEC	879.02	878.54	STORM SEWER REVISED; ELEC TO RELOCATE
* ULO-12	17'H'+93.00	RT-14.00	CONC ELEC	887.59	885.29	STORM SEWER REVISED
* ULO-13	17'H'+40.00	RT-14.00	CONC ELEC	888.49	886.24	STORM SEWER REVISED
* ULO-14	12'H'+43.00	RT-15.00	CONC ELEC	891.26	889.36	STORM SEWER REVISED
* ULO-15	17'H'+00.00	RT-15.00	ELEC	890.67	888.17	STORM SEWER REVISED
* ULO-16	52'I'+10.00	RT-8.00	CONC ELEC	881.99	879.10	STORM SEWER REVISED
* ULO-17	81'L'+51.00	RT-16.00	18", 8" GAS	897.98	894.43	STORM SEWER REVISED; PIPE IN EX CORRIDOR
* ULO-18	12'H'+39.50	RT-69.00	ELEC, GAS	891.06	889.36	STORM SEWER REVISED
* ULO-19	17'H'+40.00	LT-14.00	8" GAS	888.11		PVT STM; CONTRACTOR TO FIELD CORE S-52
* ULO-20	13'H'+17.00	RT-14.00	CONC ELEC	895.45	893.55	STORM SEWER REVISED
* ULO-21	51'H'+51.00	LT-3.00	CONC ELEC	880.50	878.40	STORM SEWER REVISED
* ULO-22	50'H'+92.00	LT-1.90	CONC ELEC	880.93	878.93	STORM SEWER REVISED
* ULO-23	50'H'+24.00	LT-25.00	CONC ELEC	879.15	878.15	STORM SEWER REVISED
* ULO-24	52'H'+00.00	RT-2.20	VAULT	883.04	871.78	NO CONFLICT
* ULO-25	51'H'+84.00	RT-4.50	VAULT	883.17	871.91	NO CONFLICT

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N HENRY ST & IOTA CT RECON.
PROJECT NO. 53W1483

SHEET NO.
W-1

WATER PLAN AND PROFILE

N HENRY ST
PM: DENNIS CAWLEY

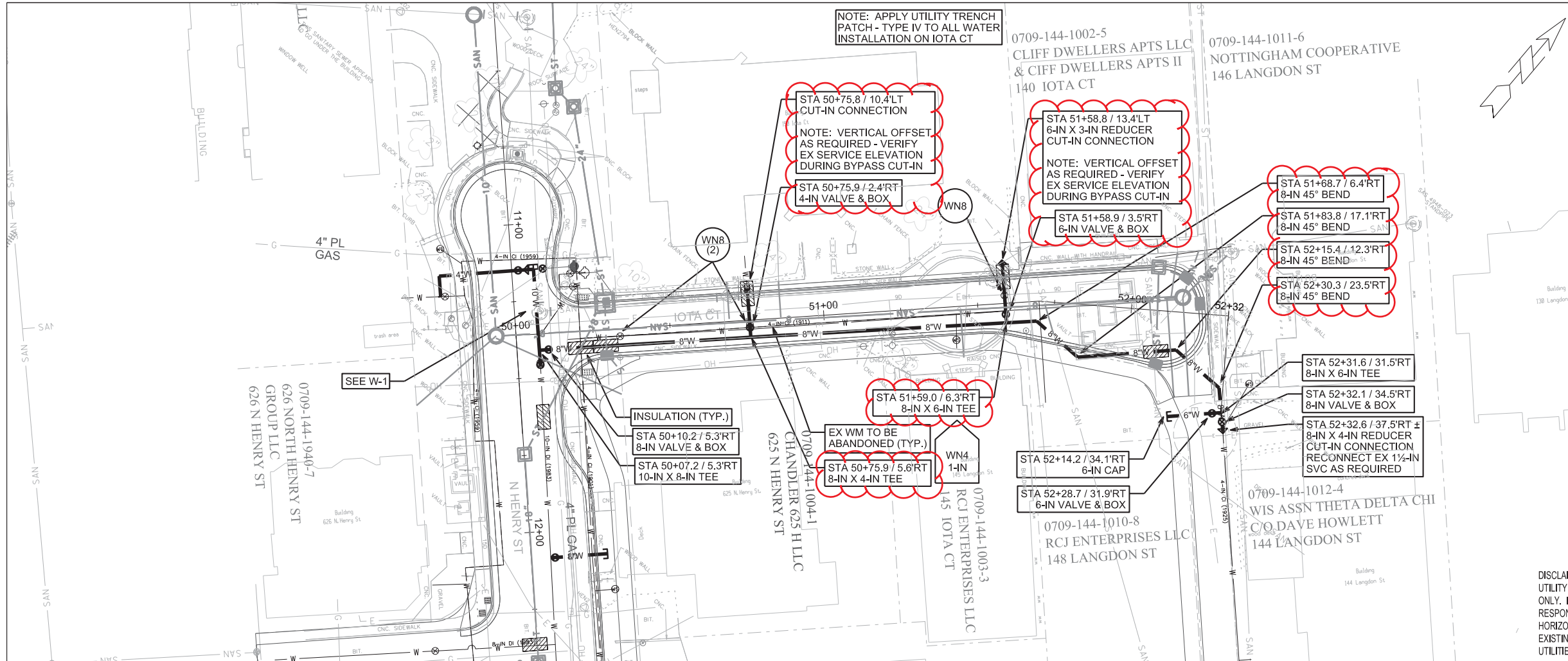
CITY OF MADISON
DESIGNER: PEH
REVISION 1 - 6/13/2013

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.



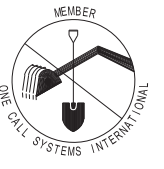


N HENRY ST & IOTA CT RECON. PROJECT NO. 53W1483		SHEET NO. W-3
WATER PLAN AND PROFILE		
IOTA CT	CITY OF MADISON	
PM: DENNIS CAWLEY	DESIGNER: PEH	REVISION 1 - 6/13/2013

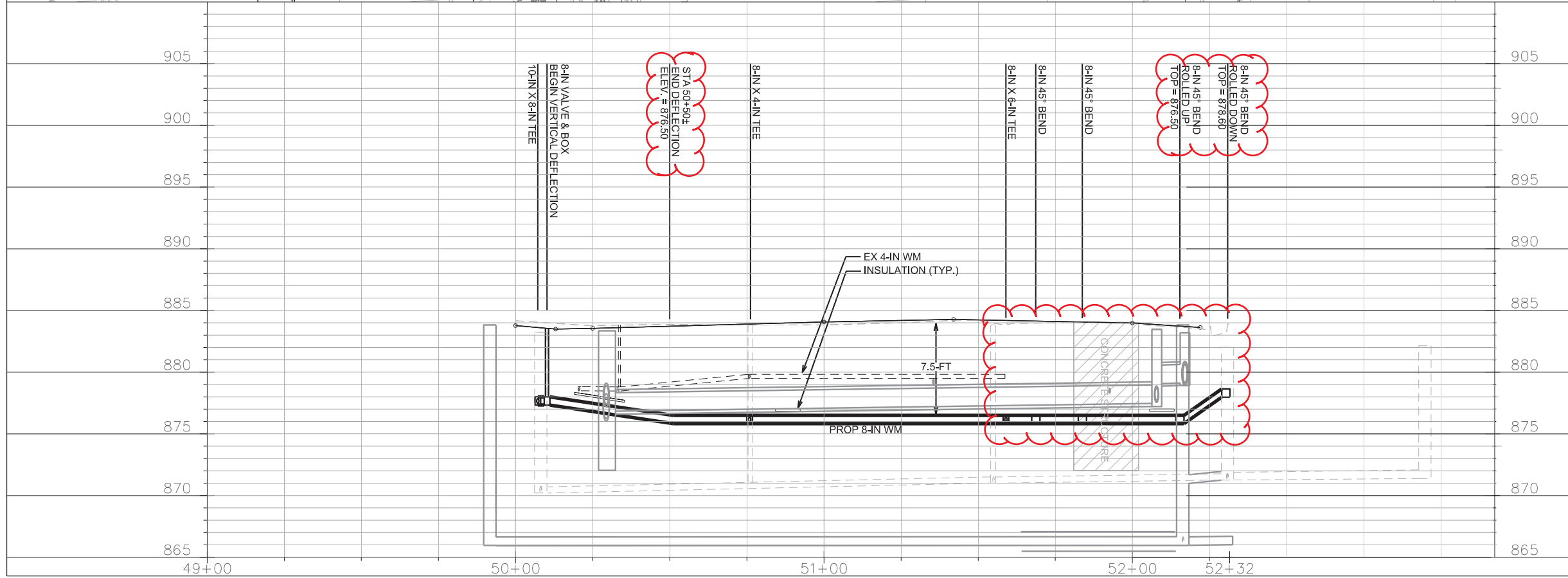
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WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.



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.



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED 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.*

60' - 4" PIPE
140' - 6" PIPE
600' - 8" PIPE
40' - 10" PIPE
10' - 12" PIPE

980' - POLYWRAP

2 - 4" VALVE & BOX
5 - 6" VALVE & BOX
5 - 8" VALVE & BOX
1 - 10" VALVE & BOX

1 - 8"X4" TEE
4 - 8"X6" TEE
2 - 8"X8" TEE
1 - 10"X8" TEE

1 - 10"X6" CROSS

4 - 4" 90° BEND
6 - 6" 90° BEND
4 - 8" 45° BEND
2 - 8" 90° BEND

1 - 6"X3" REDUCER
1 - 6"X4" REDUCER
1 - 8"X3" REDUCER
1 - 8"X4" REDUCER
1 - 12"X8" REDUCER

2 - 4" MJ CAP
3 - 6" MJ CAP
1 - 8" MJ CAP
1 - 10" MJ CAP
1 - 10" MJ PLUG

30' - 20" STEEL CASING

1 - 5" HYDRANT

120' - 2" STYROFOAM INSULATION

MATERIALS SUPPLIED BY CITY:

1 - 4" TAPPING VALVE
1 - 10"X4" TAP SLEEVE

3 - 6" TAPPING VALVE
1 - 10"X6" TAP SLEEVE

WN1 - REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.

WN2 - EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN (OR TO THE LARGER PARALLEL EXISTING 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 (OR TO THE LARGER PARALLEL EXISTING MAIN).

WN5 - RELOCATE THE EXISTING FIRE HYDRANT.

WN6 - ABANDON WATER VALVE ACCESS STRUCTURE.

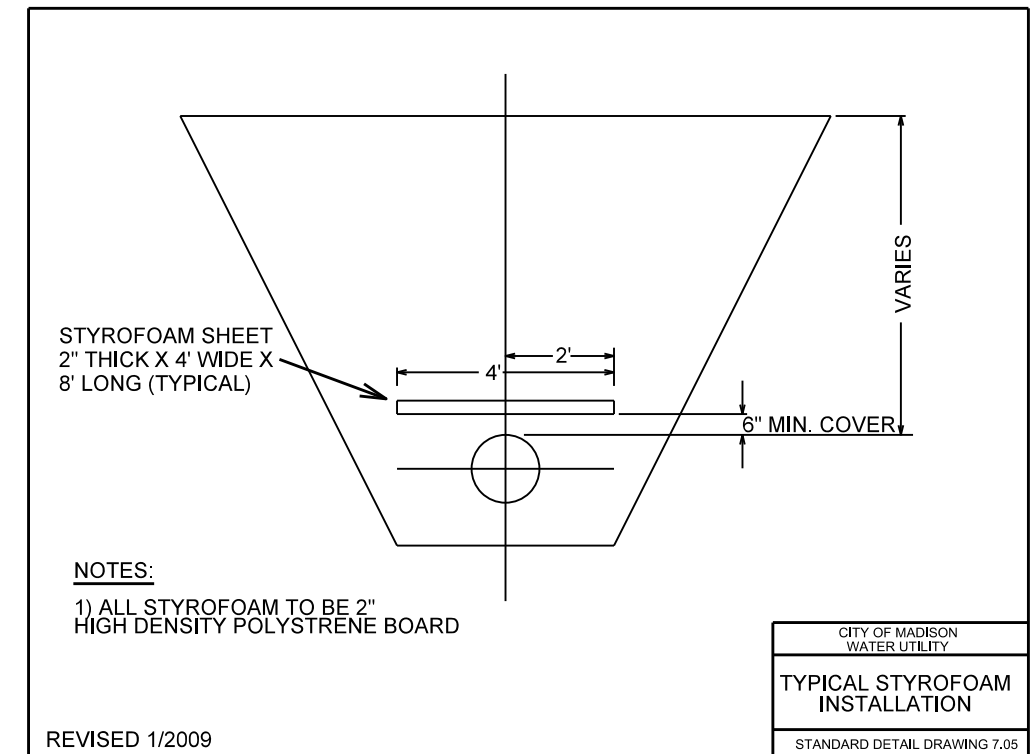
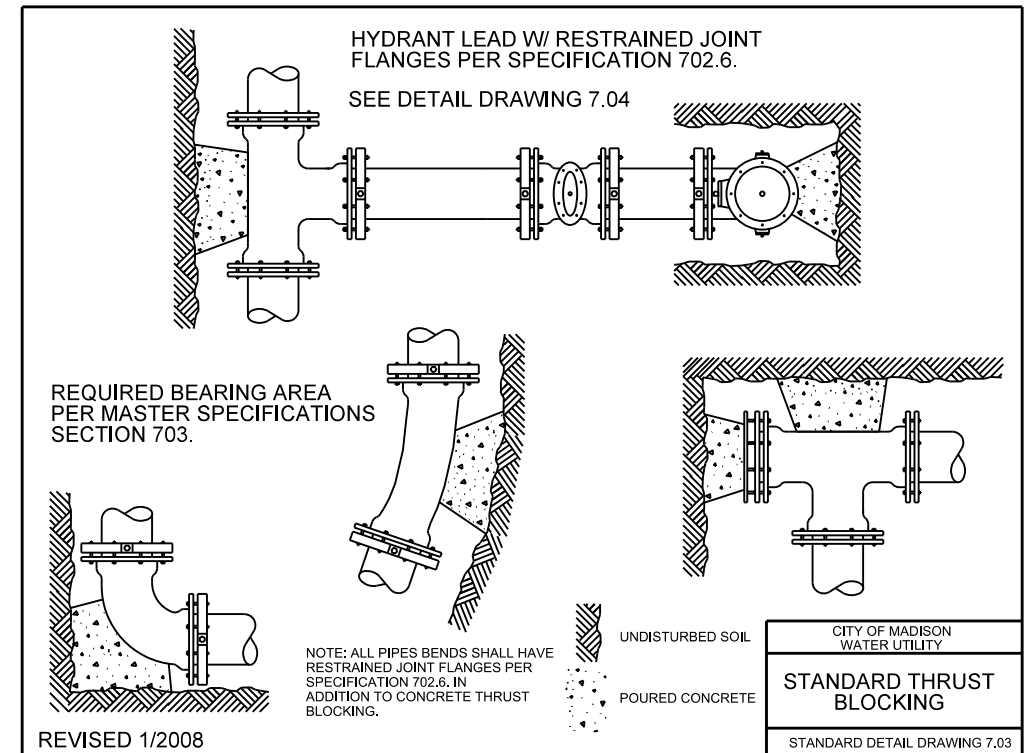
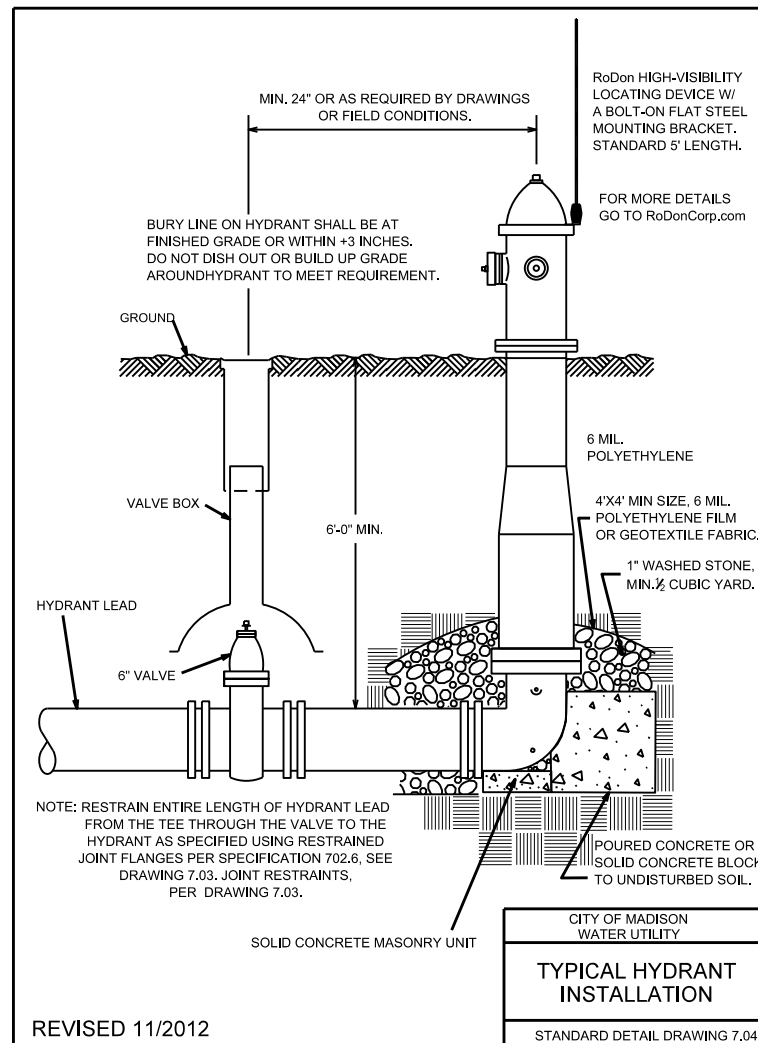
WN7 - FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.

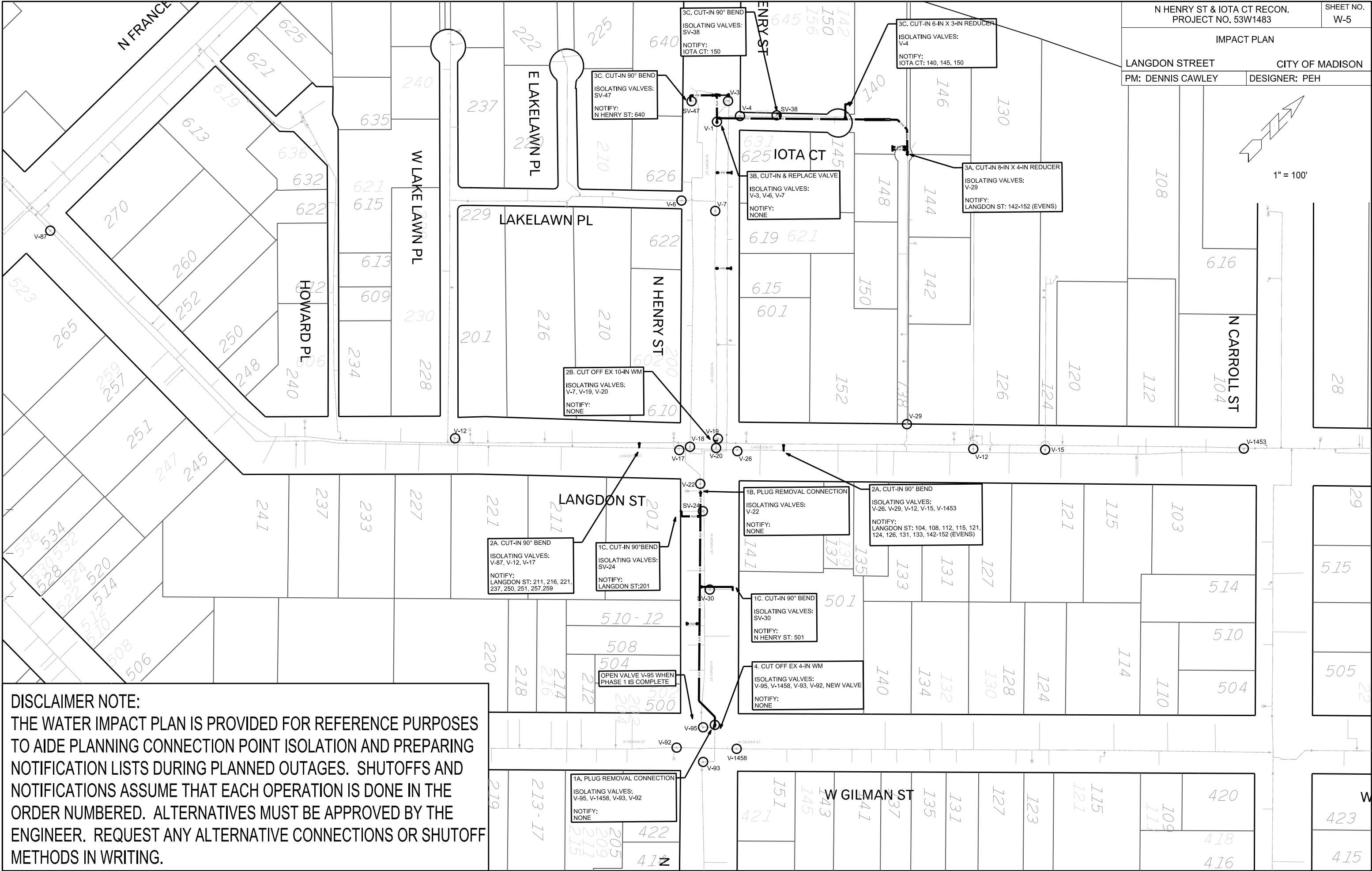
WN8 - ABANDON THE VALVE BOX.

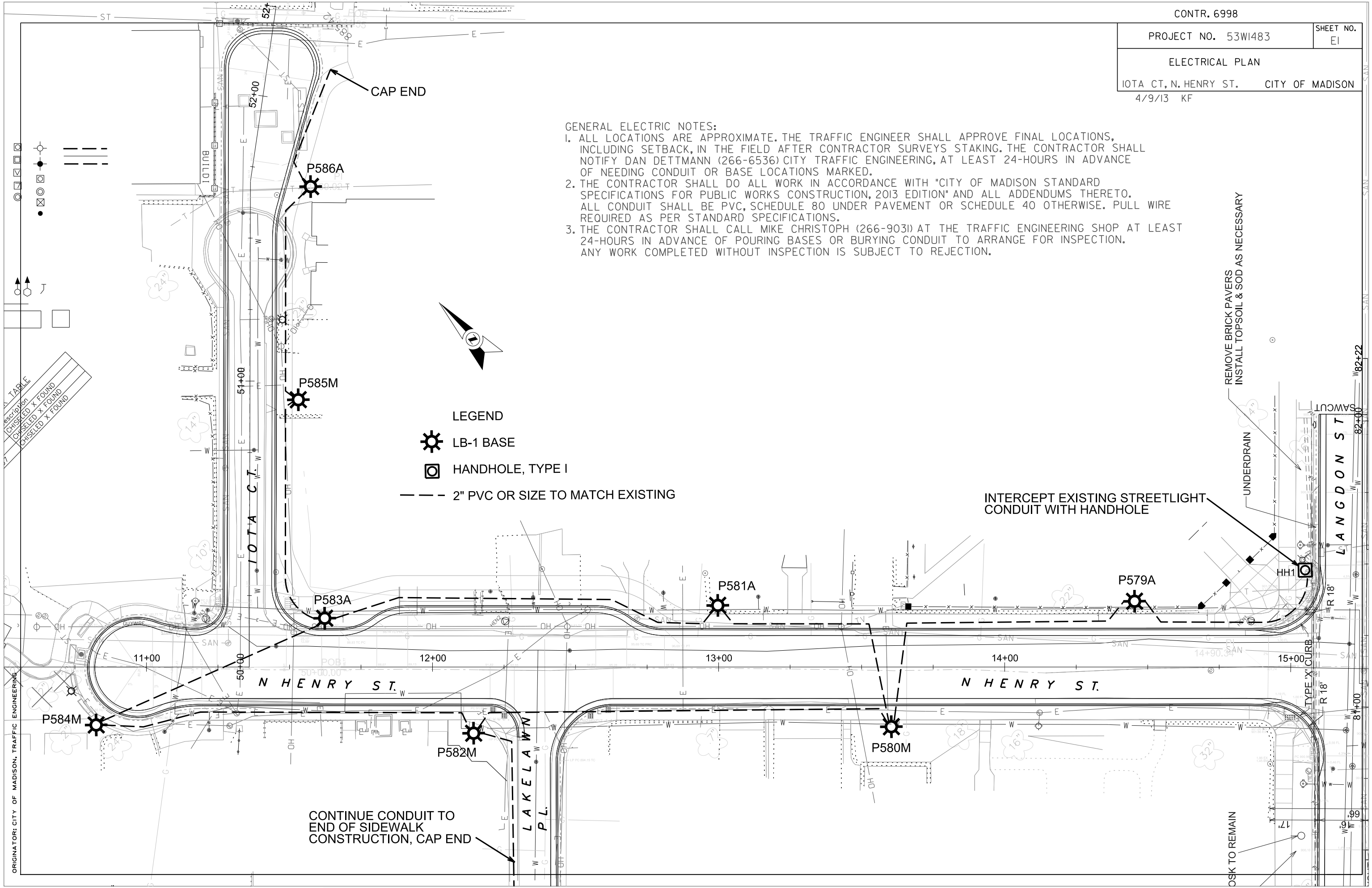
WN9 - FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.

WN10 - REMOVE AND SALVAGE EXISTING HYDRANT

WN11 - REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE







CONTR. 6998

PROJECT NO. 53W1483

SHEET NO.
EI

ELECTRICAL PLAN

IOTA CT, N. HENRY ST. CITY OF MADISON
4/9/13 KF

- GENERAL ELECTRIC NOTES:
1. ALL LOCATIONS ARE APPROXIMATE. THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS, INCLUDING SETBACK, IN THE FIELD AFTER CONTRACTOR SURVEYS STAKING. THE CONTRACTOR SHALL NOTIFY DAN DETTMANN (266-6536) CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING CONDUIT OR BASE LOCATIONS MARKED.
 2. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH "CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2013 EDITION" AND ALL ADDENDUMS THERETO. ALL CONDUIT SHALL BE PVC, SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
 3. THE CONTRACTOR SHALL CALL MIKE CHRISTOPH (266-9031) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES OR BURYING CONDUIT TO ARRANGE FOR INSPECTION. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.

- LEGEND
-  LB-1 BASE
 -  HANDHOLE, TYPE I
 -  2" PVC OR SIZE TO MATCH EXISTING

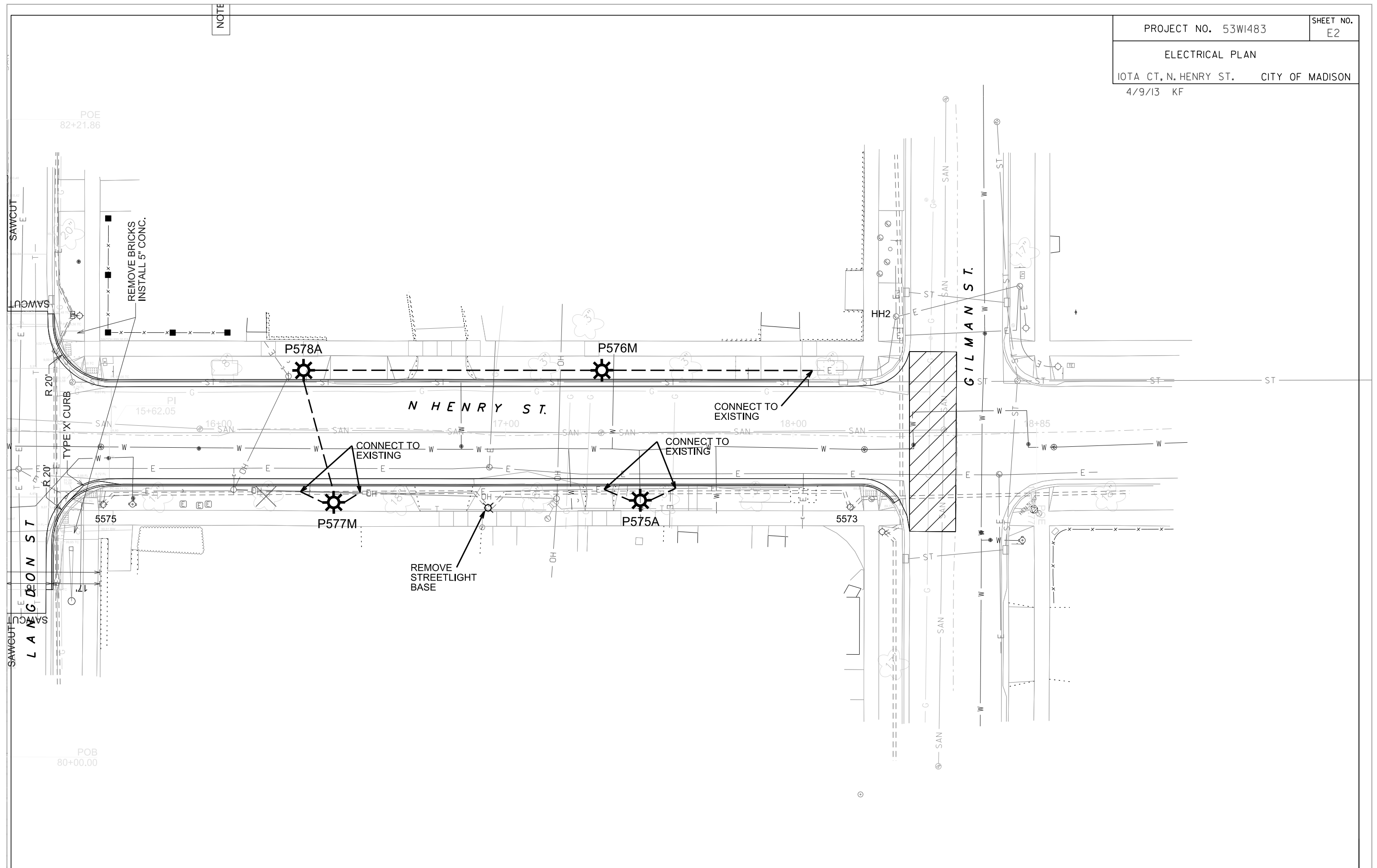
INTERCEPT EXISTING STREETLIGHT
CONDUIT WITH HANDHOLE

REMOVE BRICK PAVERS
INSTALL TOPSOIL & SOD AS NECESSARY

OSK TO REMAIN

ELECTRICAL PLAN

IOTA CT, N. HENRY ST.	CITY OF MADISON
4/9/13	KF



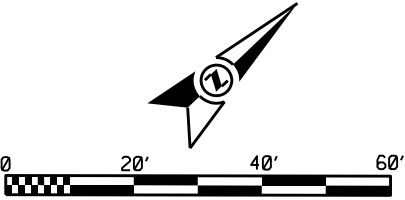
PLOT SCALE:

PLOT NAME:

REV. DATE:

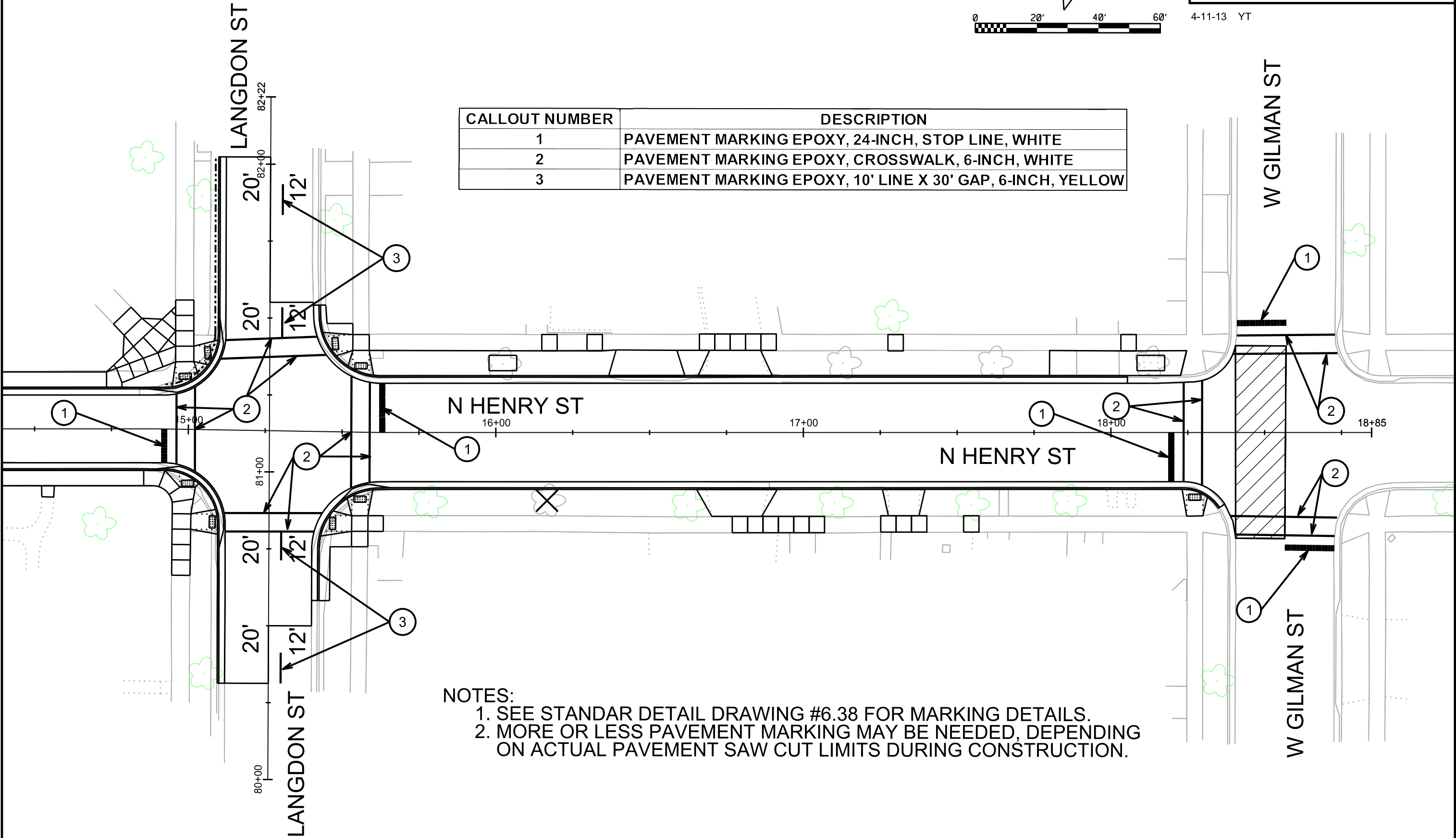
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

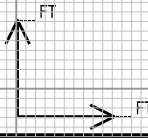
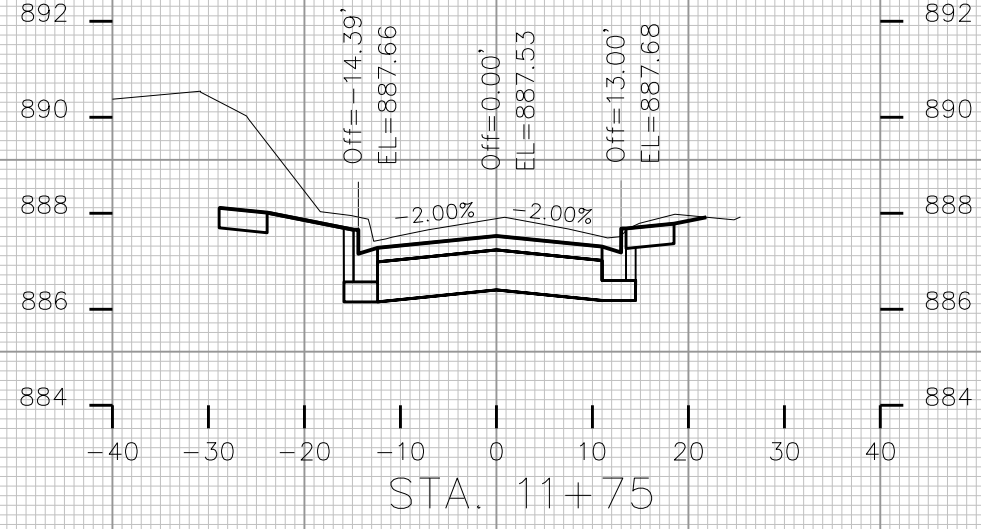
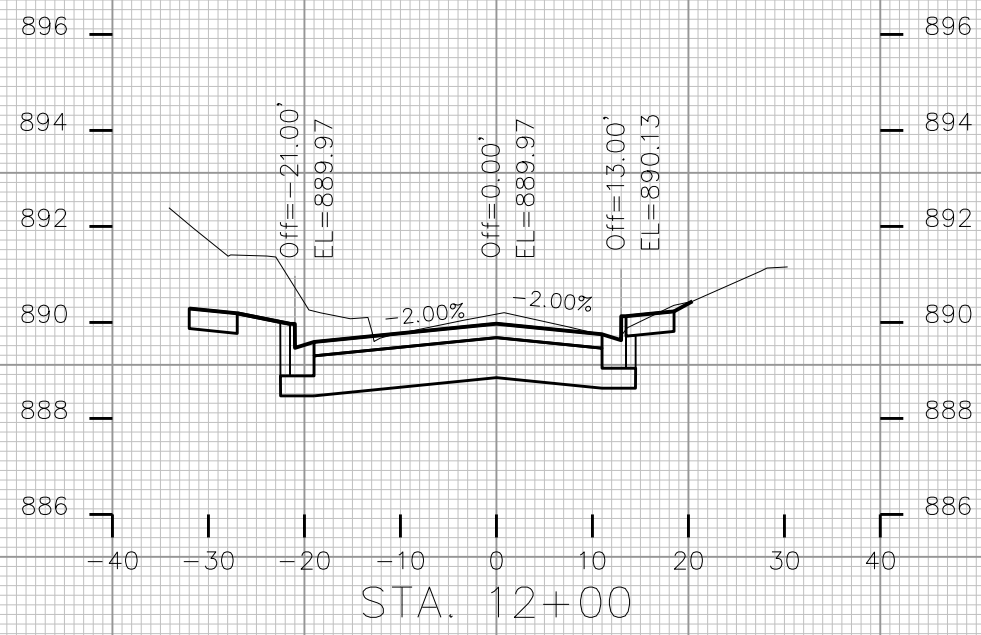
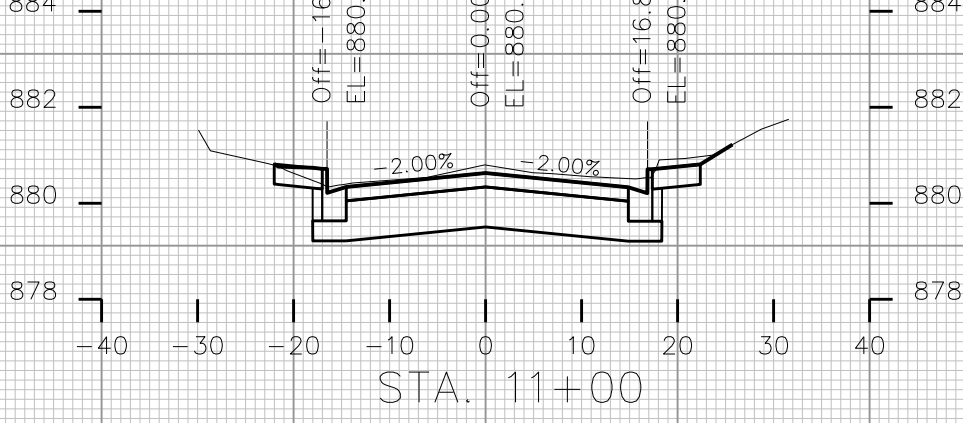
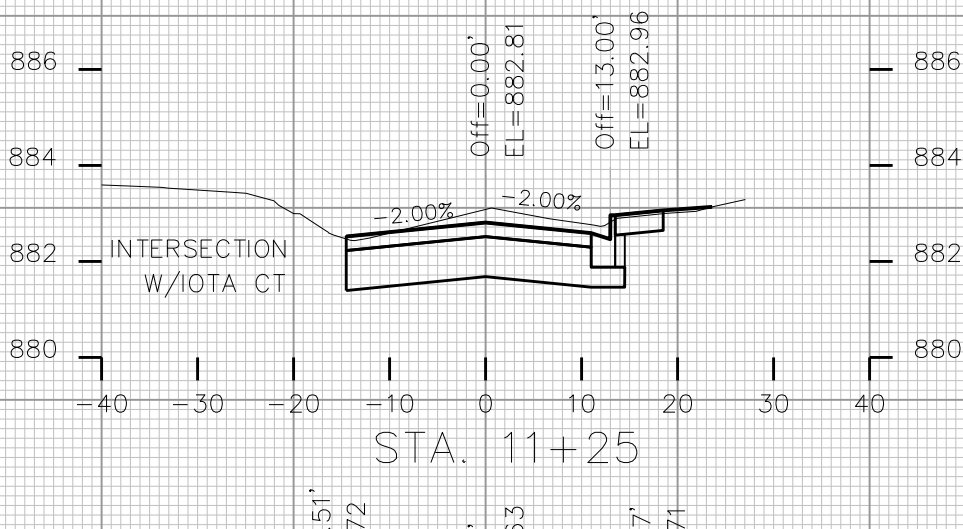
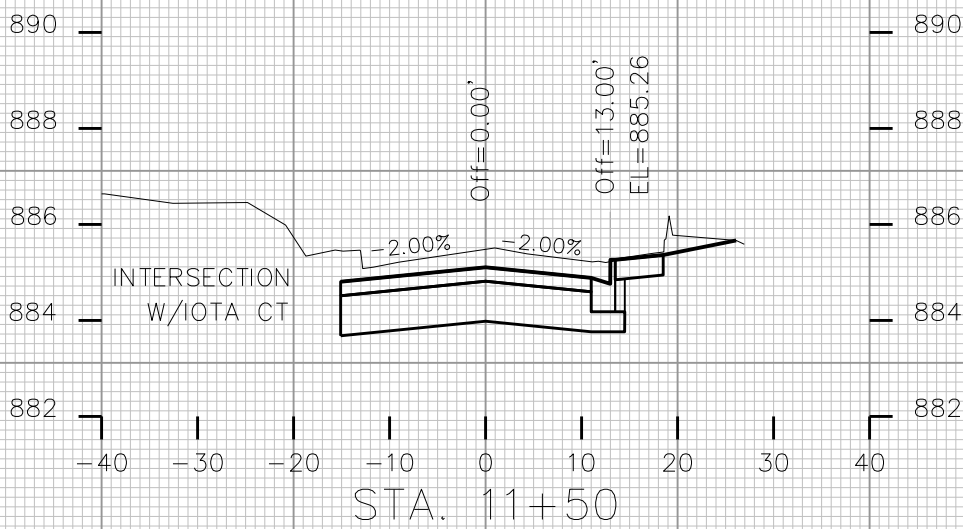
4-11-13 YT



CALLOUT NUMBER	DESCRIPTION
1	PAVEMENT MARKING EPOXY, 24-INCH, STOP LINE, WHITE
2	PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH, WHITE
3	PAVEMENT MARKING EPOXY, 10' LINE X 30' GAP, 6-INCH, YELLOW

NOTES:
1. SEE STANDAR DETAIL DRAWING #6.38 FOR MARKING DETAILS.
2. MORE OR LESS PAVEMENT MARKING MAY BE NEEDED, DEPENDING ON ACTUAL PAVEMENT SAW CUT LIMITS DURING CONSTRUCTION.





PLOT SCALE: _____

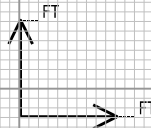
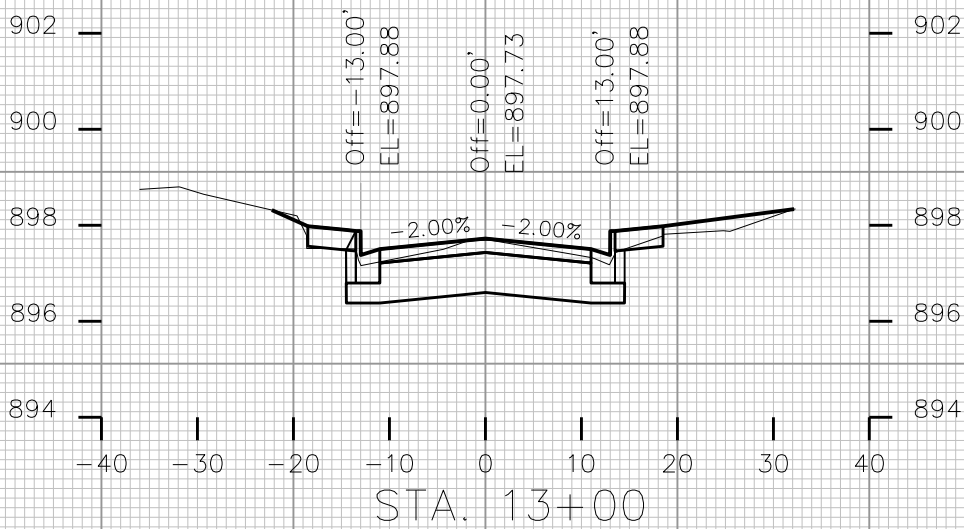
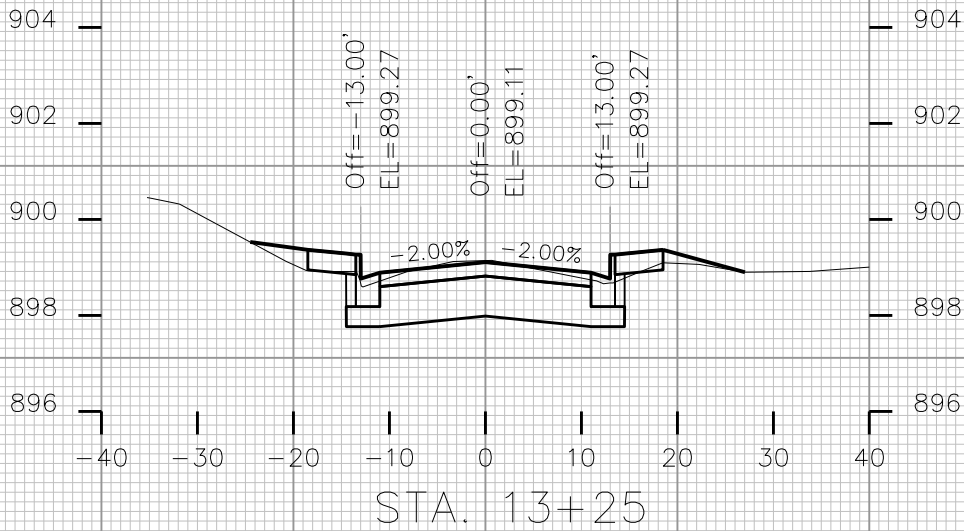
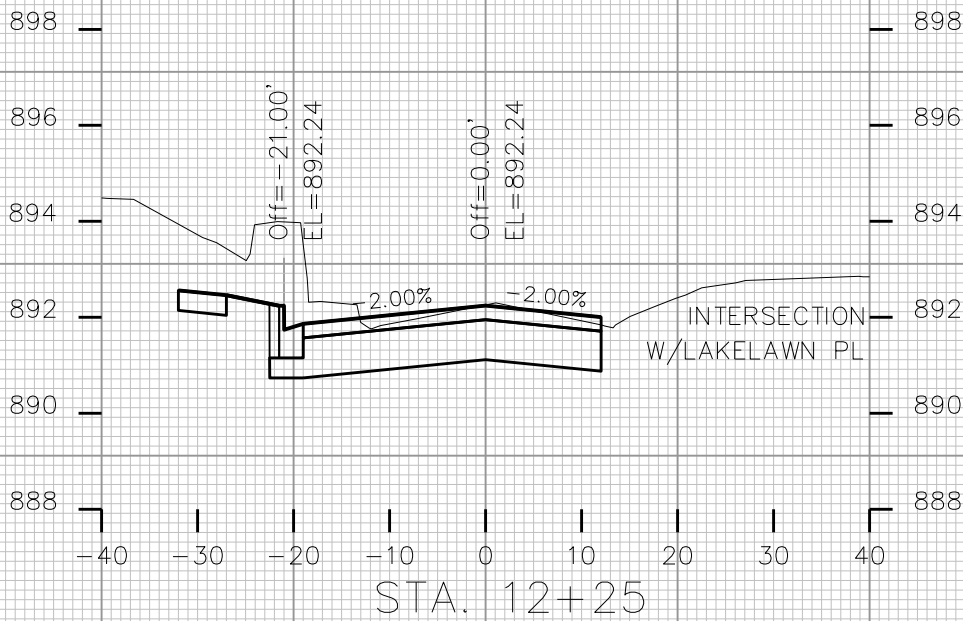
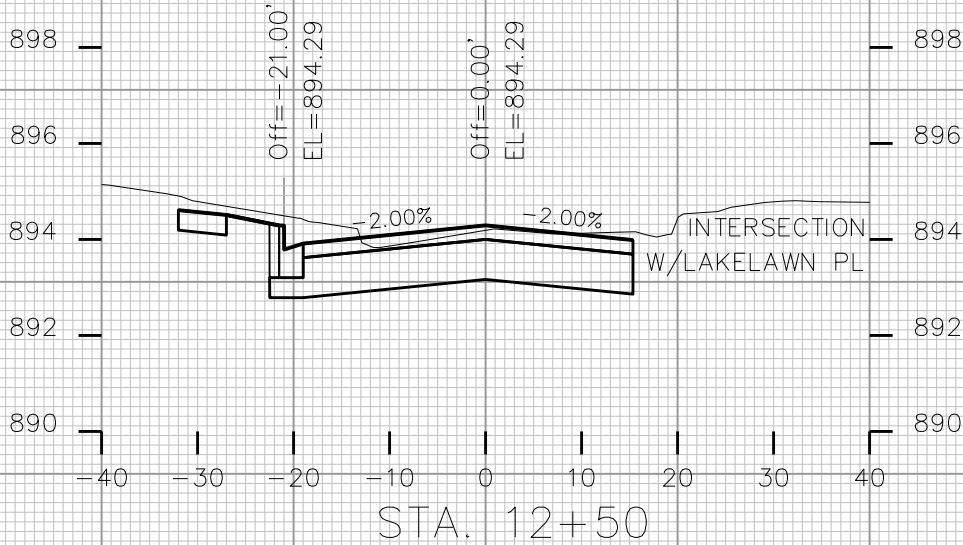
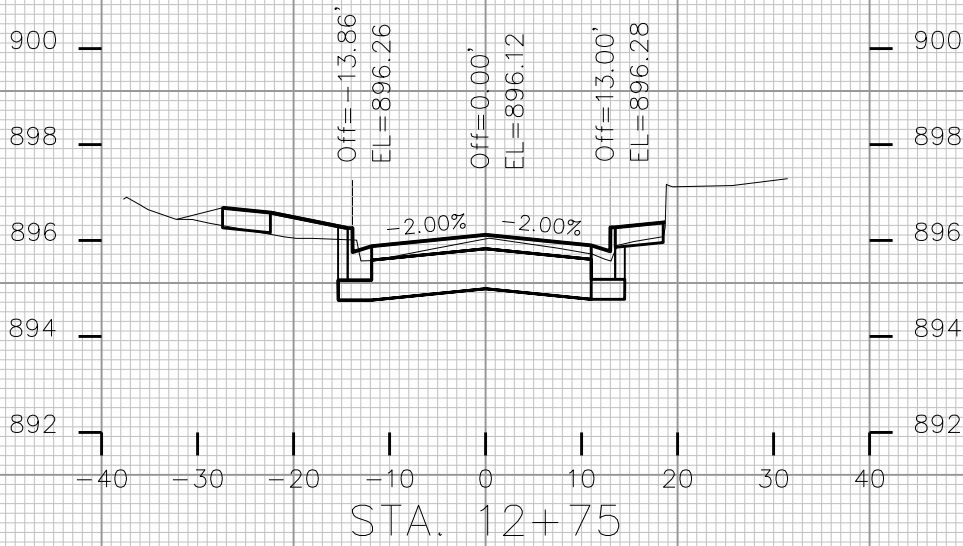
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

NORTH HENRY STREETCITY OF MADISON



PLOT SCALE: _____

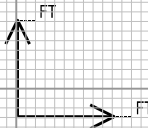
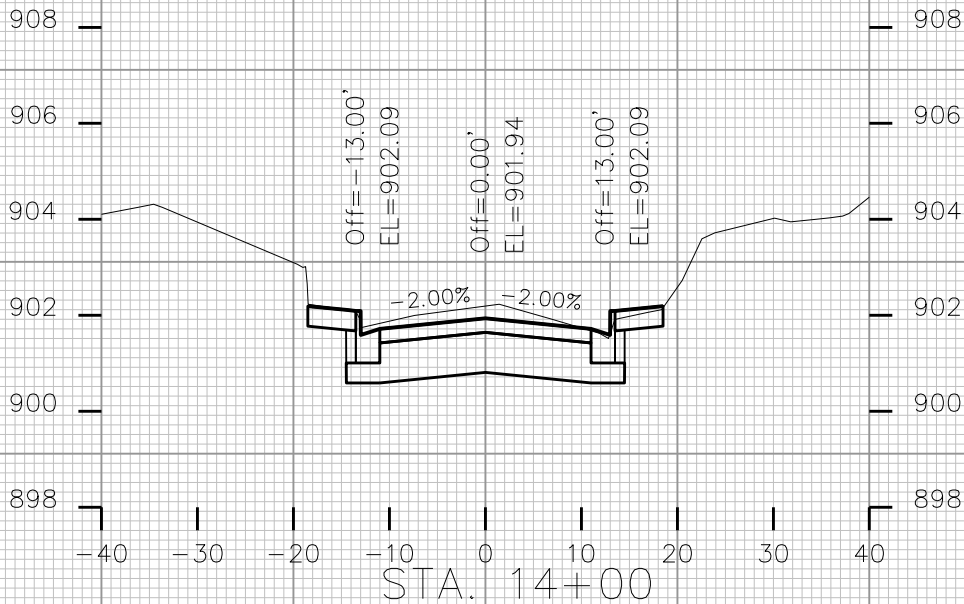
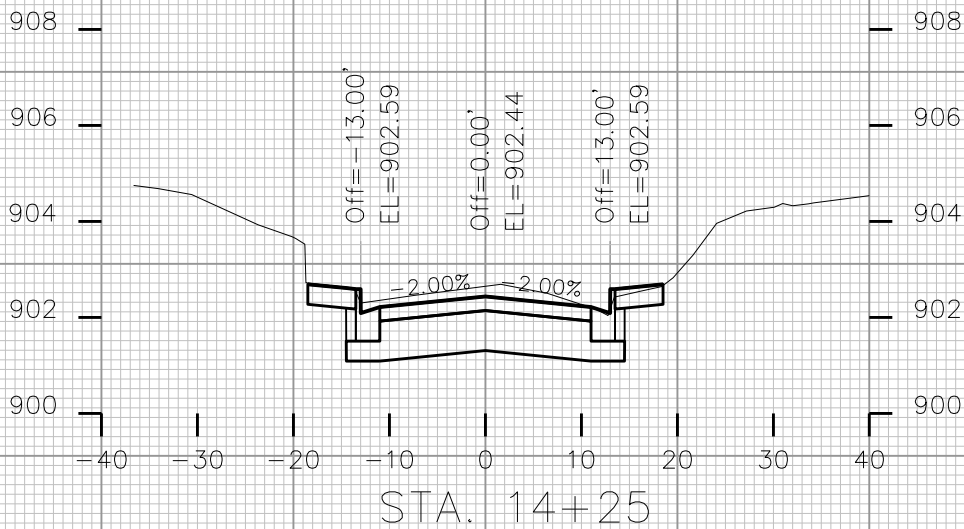
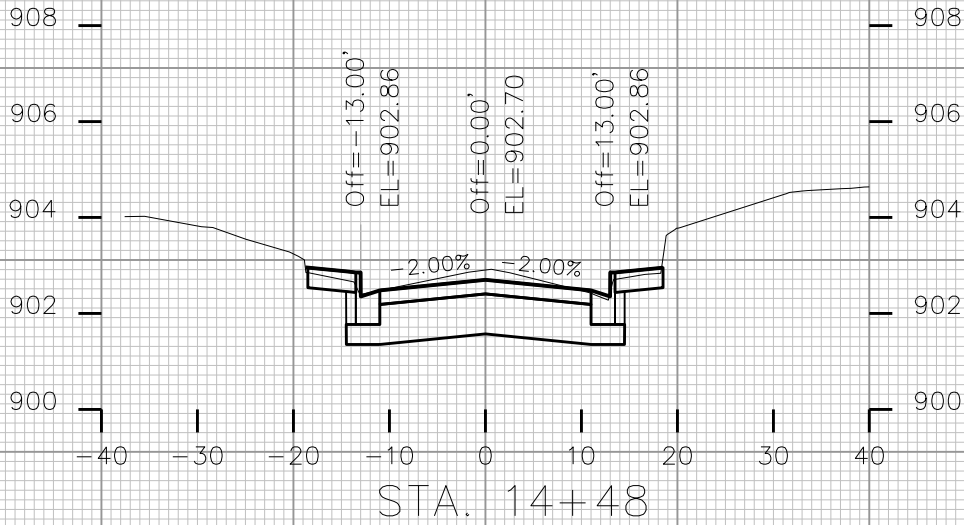
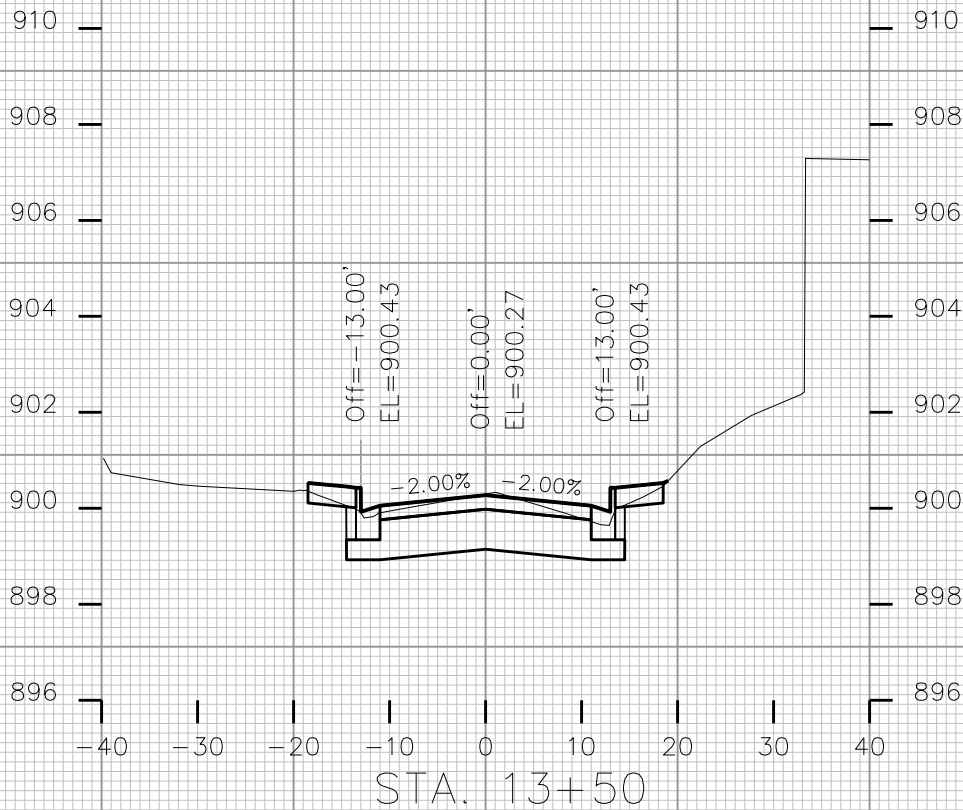
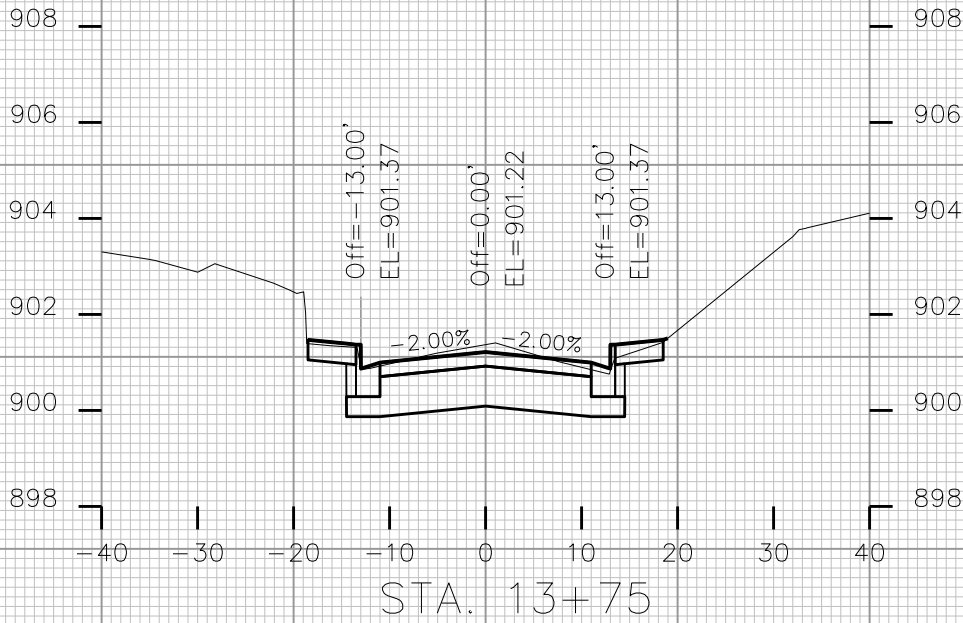
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CROSS SECTIONS

NORTH HENRY STREETCITY OF MADISON



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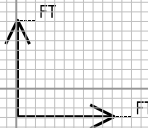
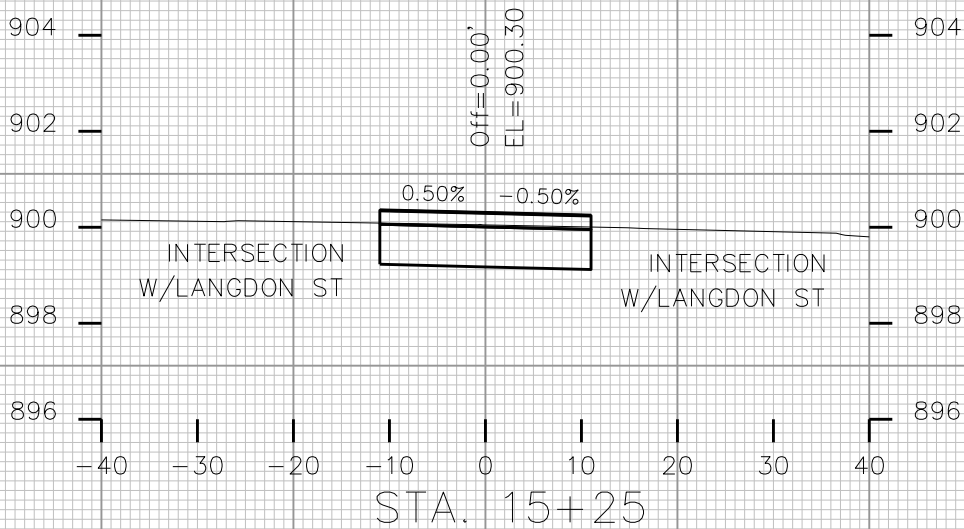
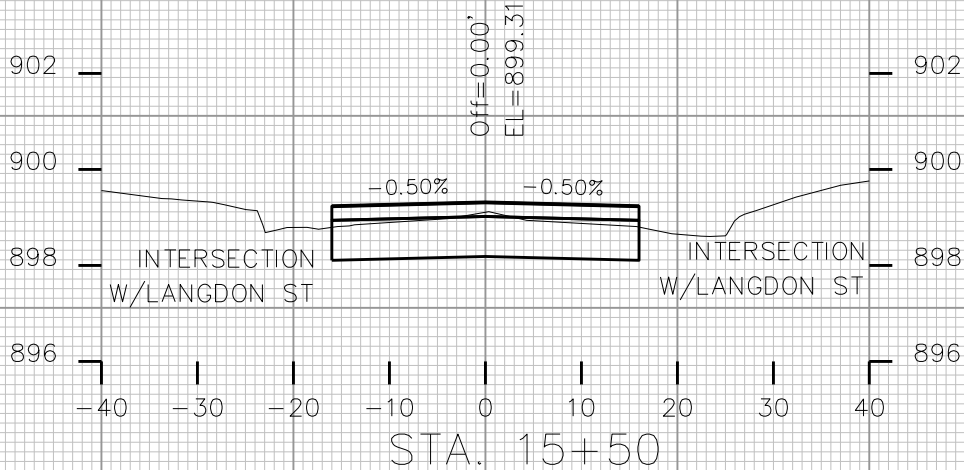
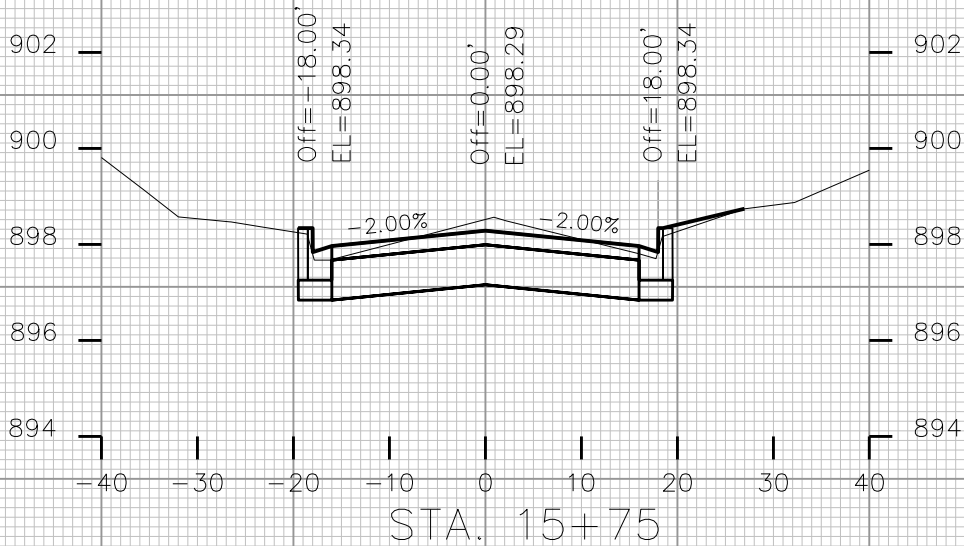
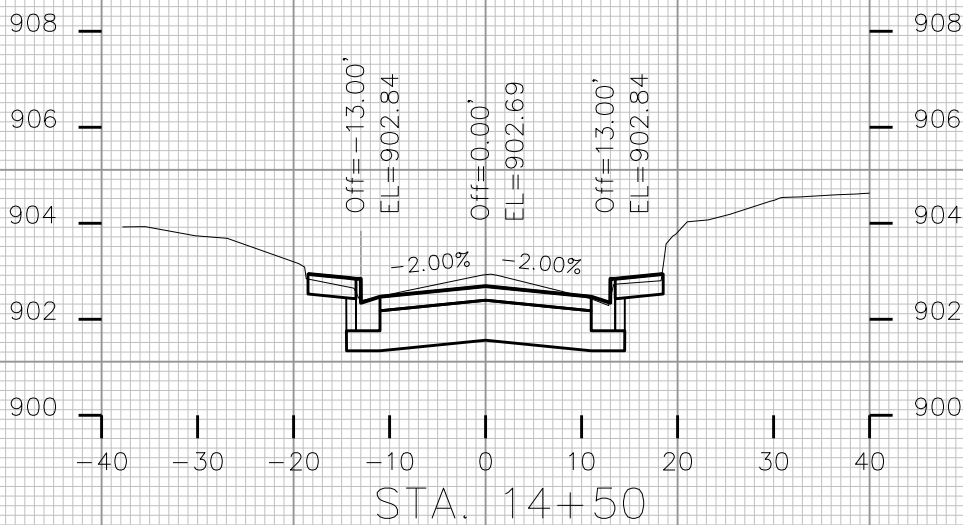
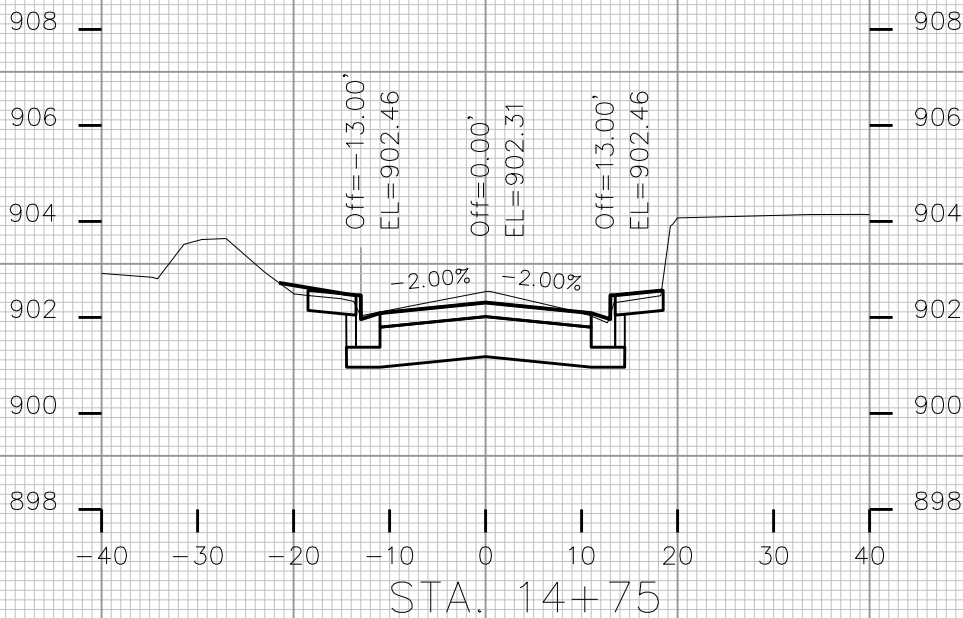
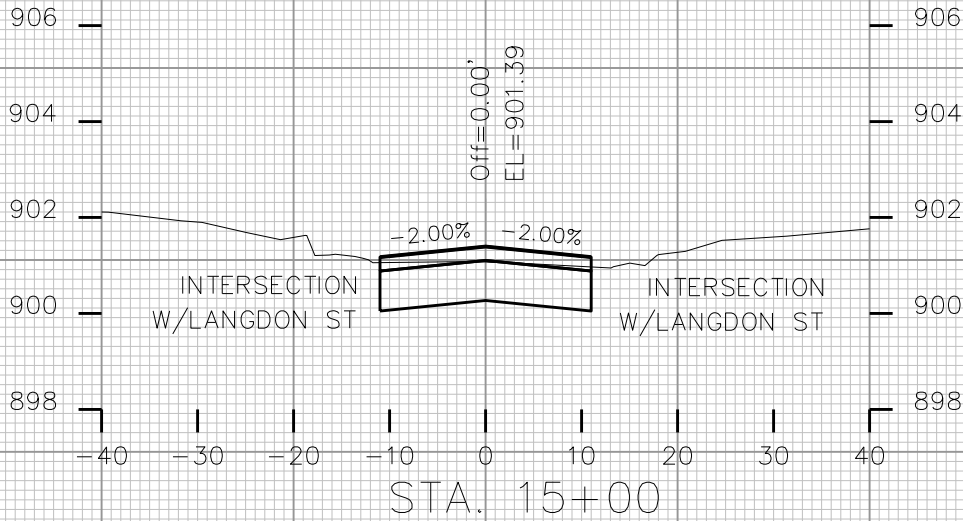
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

NORTH HENRY STREETCITY OF MADISON

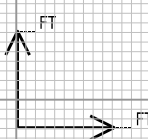
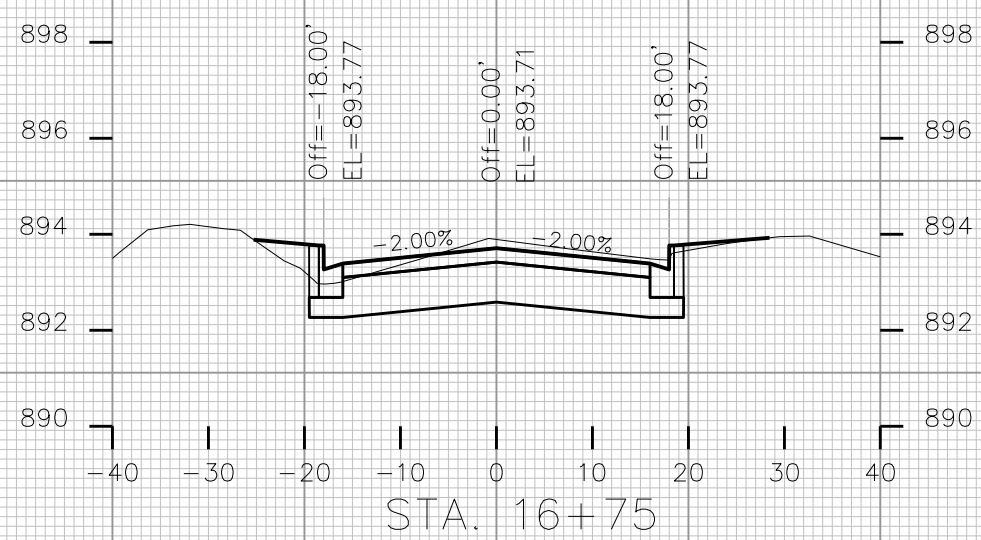
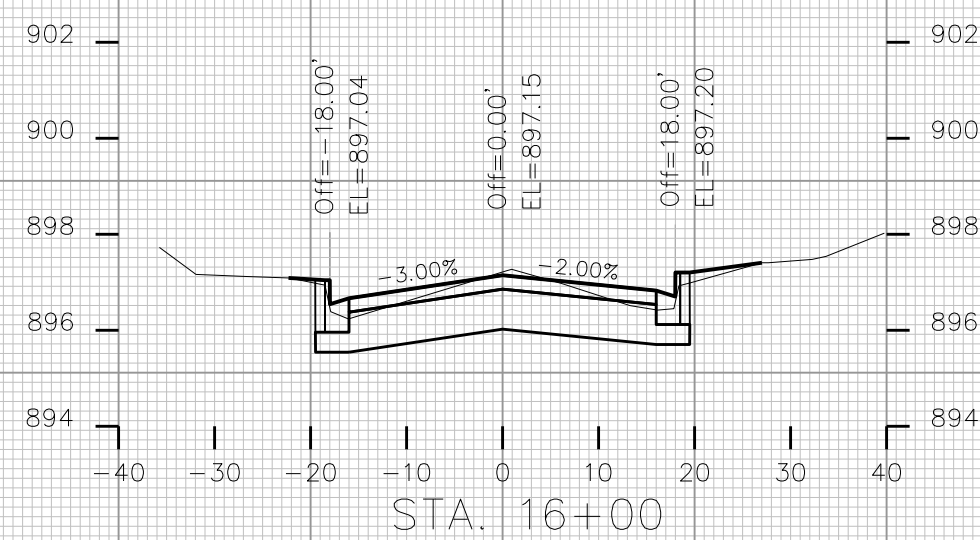
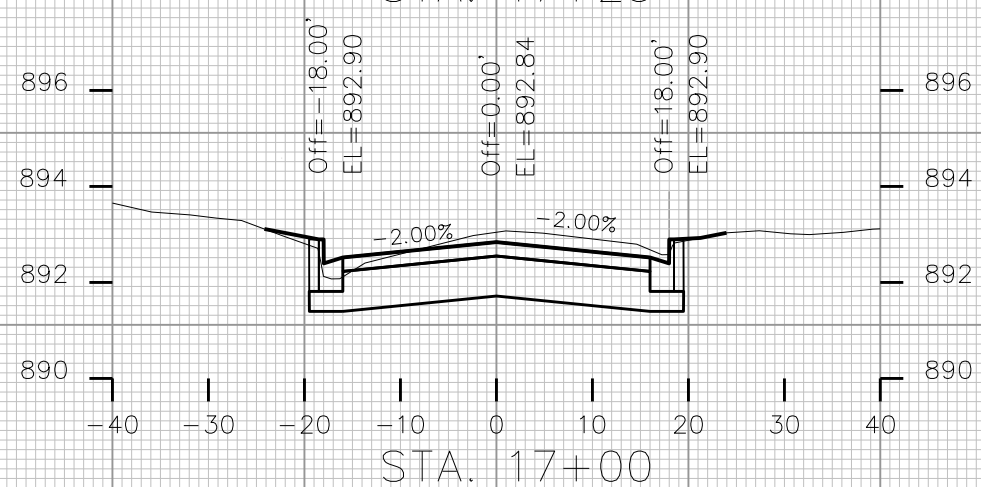
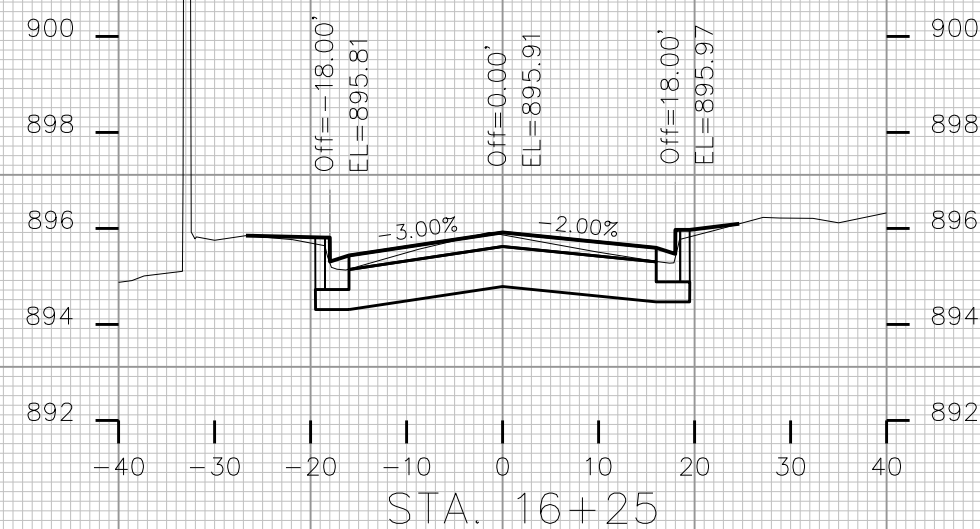
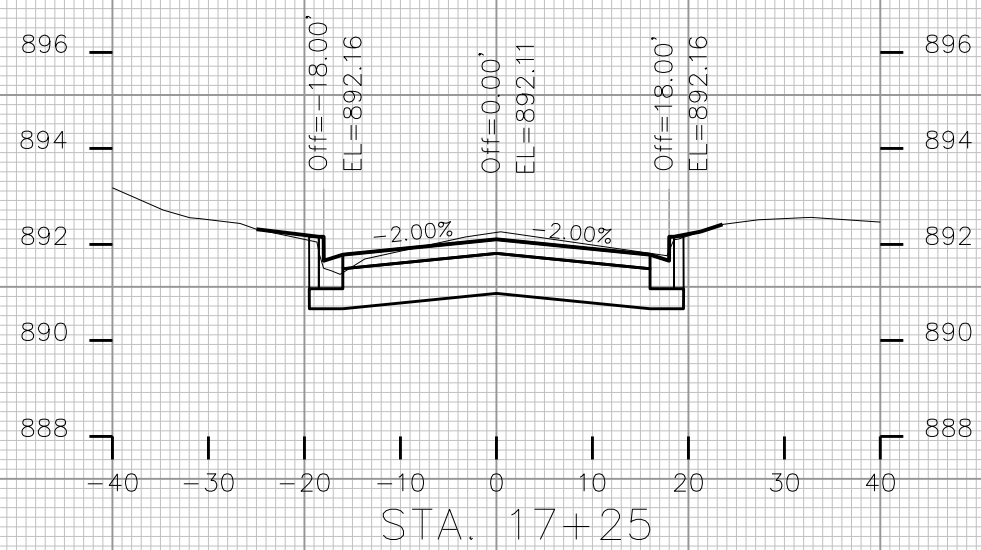
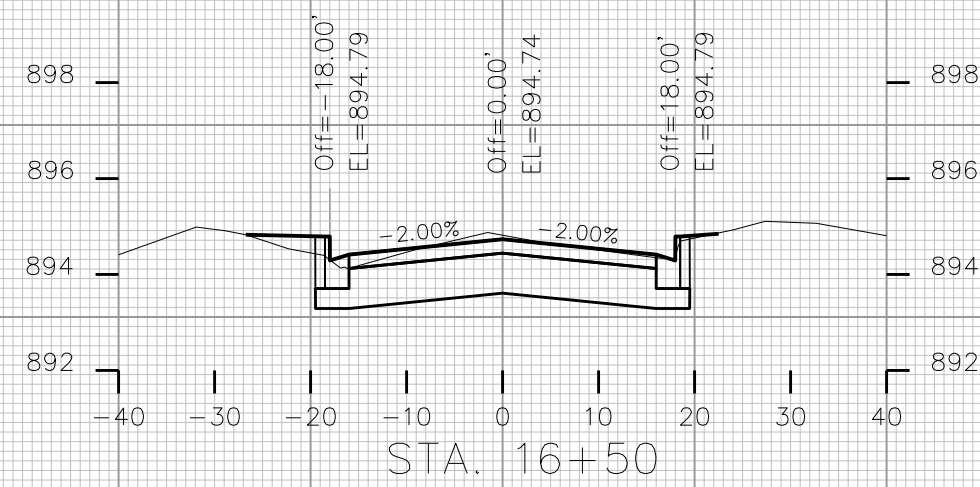


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

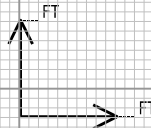
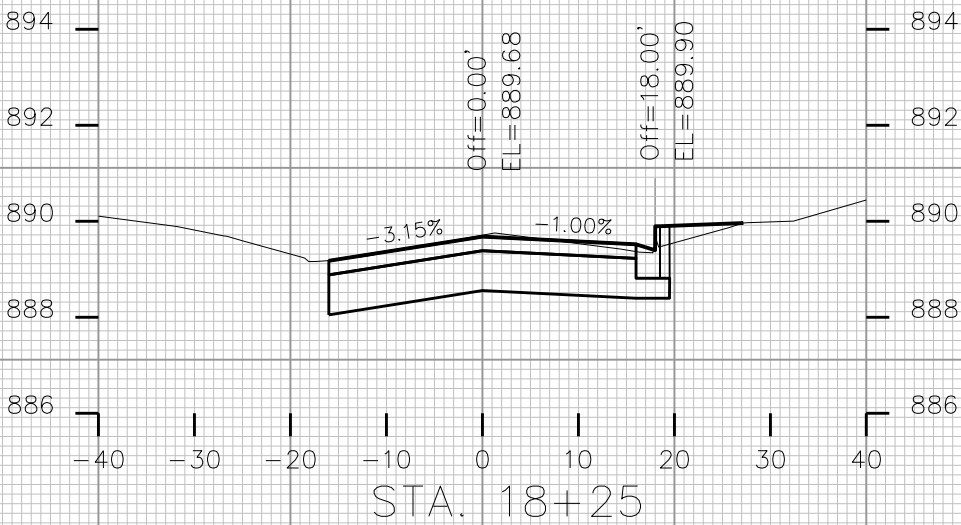
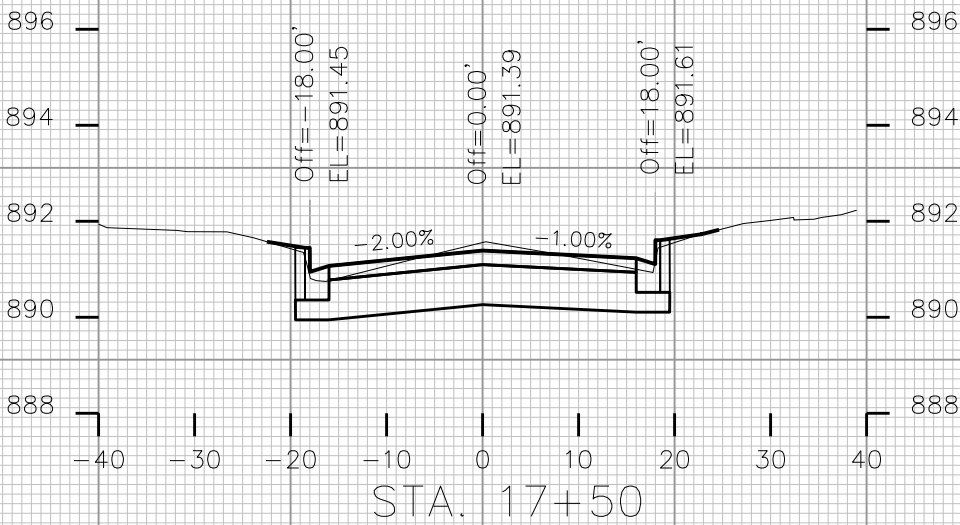
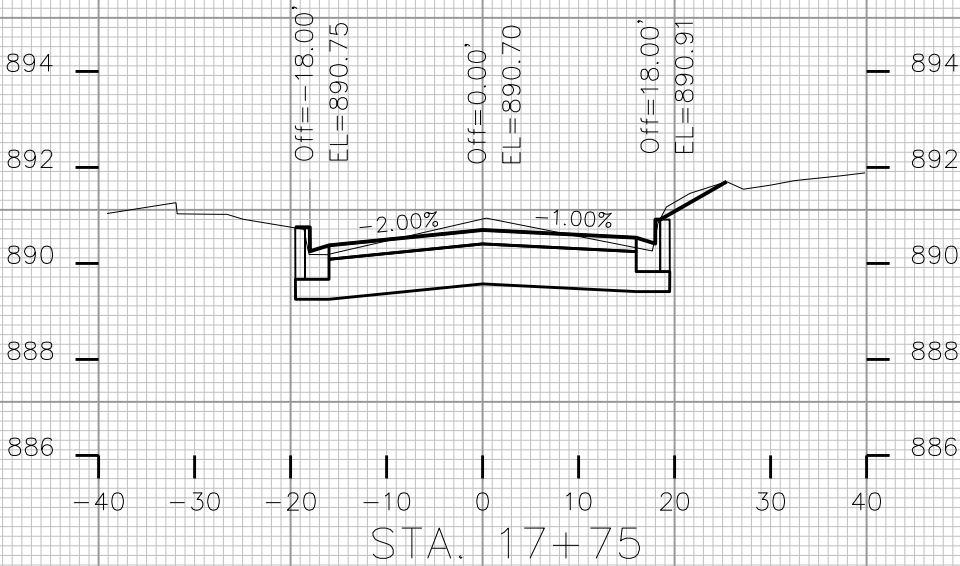
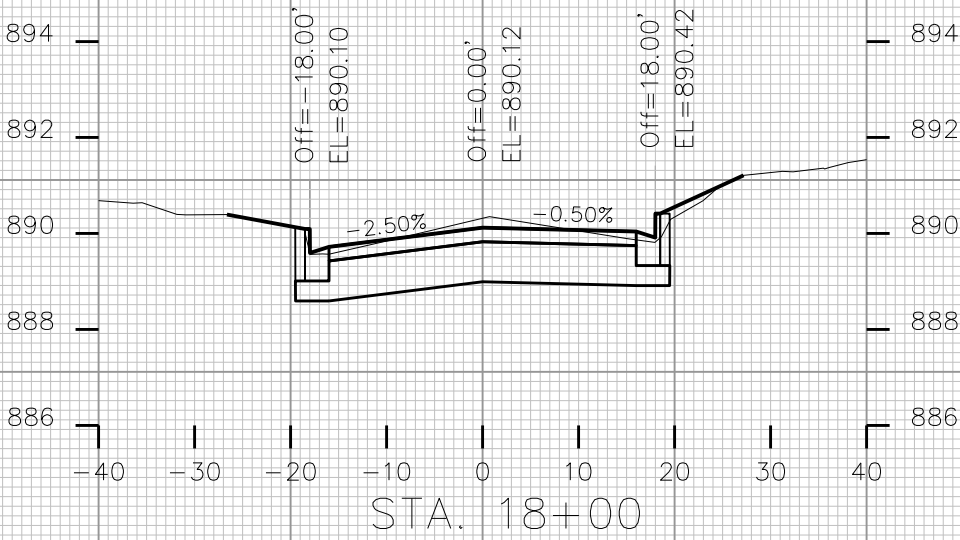
PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

NORTH HENRY STREET CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

IOTA CT

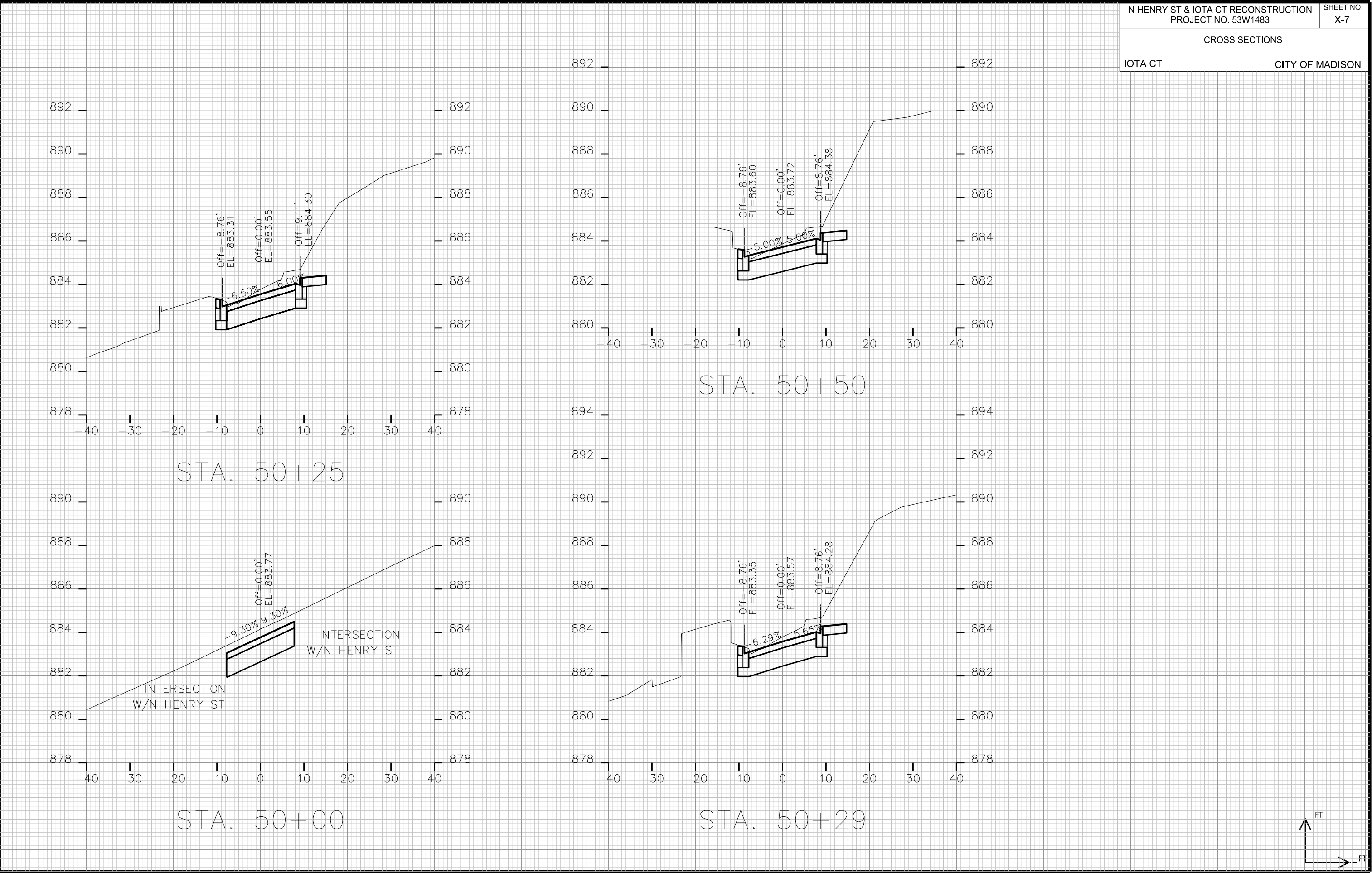
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

IOTA CT

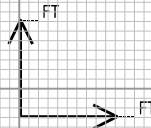
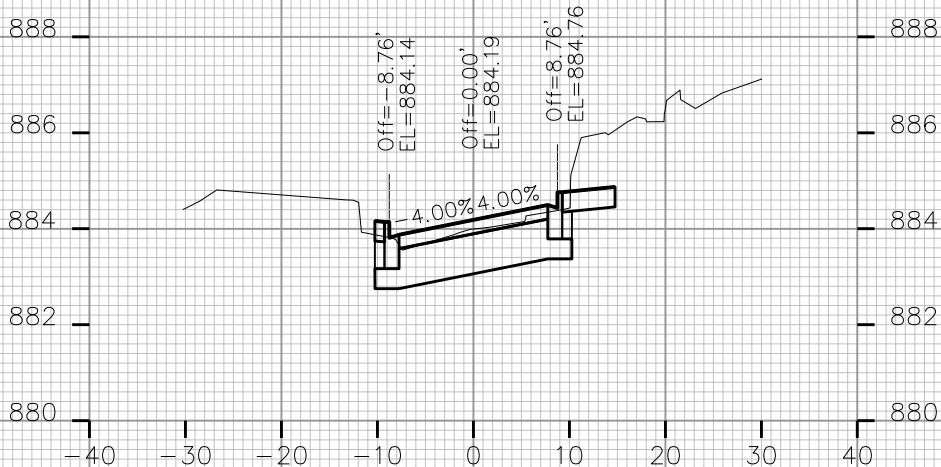
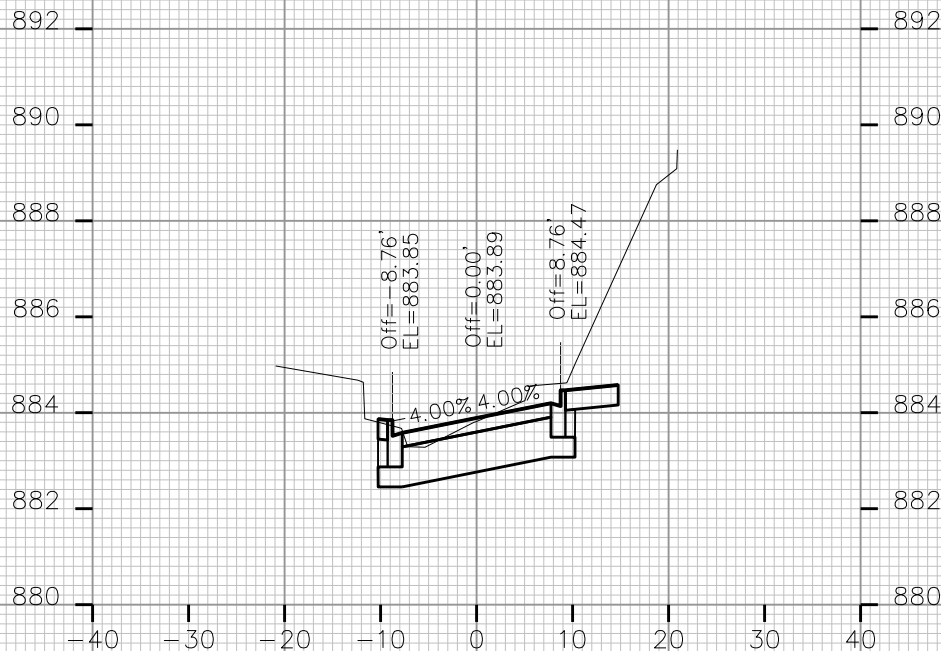
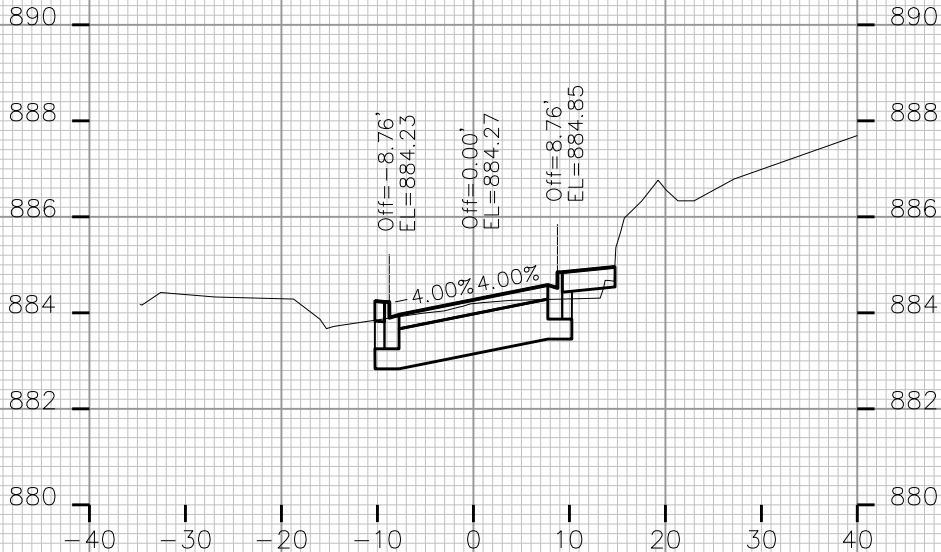
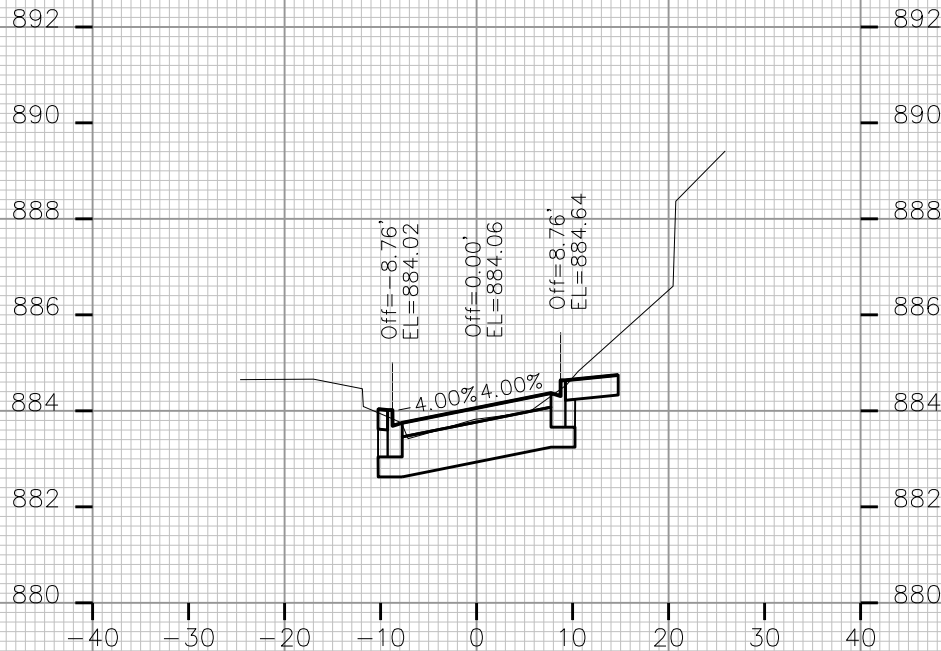
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CROSS SECTIONS

IOTA CT

CITY OF MADISON

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