

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

WEST GORHAM STREET, NORTH HENRY STREET AND NORTH FRANCES STREET ASSESSMENT DISTRICT 2012

CITY PROJECT NO. 53W1192
CONTRACT NO. 6785

INDEX OF SHEETS

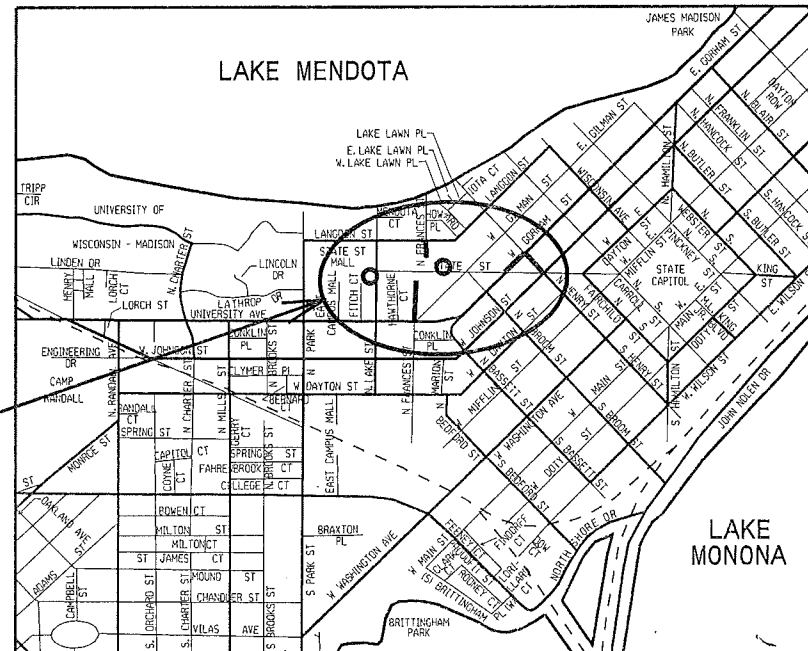
SHEET NO.	TITLE
1	DETAILS
D1-D4	EROSION CONTROL PLAN
EC1-EC4	STREET PLAN & PROFILE
P1-P4	UTILITY PLAN AND PROFILE
U1-U2	UTILITY SCHEDULES
U3-U4	WATER PLAN
W1-W2	WATER IMPACT PLAN
W3-W4	WATER MATERIALS LIST
W5	ELECTRICAL PLAN & DETAILS
E1-E4	CROSS SECTIONS
X1-X2	

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	☀

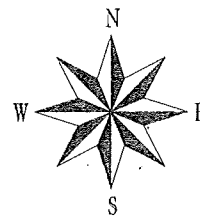
CONSTRUCTION PROJECT LOCATION



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).....960 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT.....200 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT.....1,160 C.Y.

PUBLIC IMPROVEMENT PROJECT APPROVED

FEBRUARY 28, 2012

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

[Signature] 3/8/12
City Engineer Date

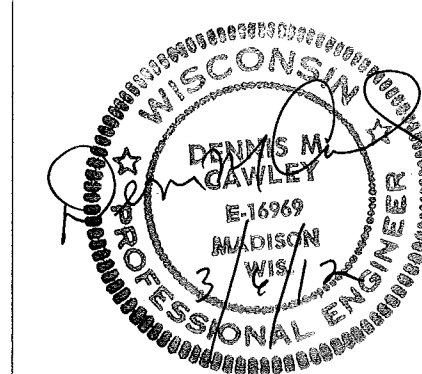
STREET
DESIGNED BY:



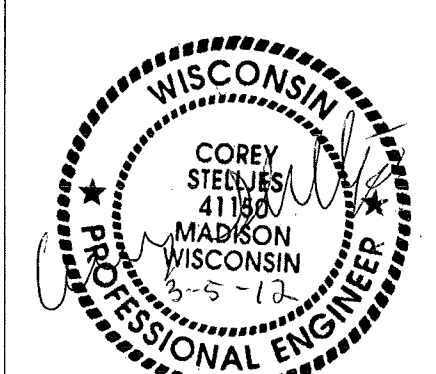
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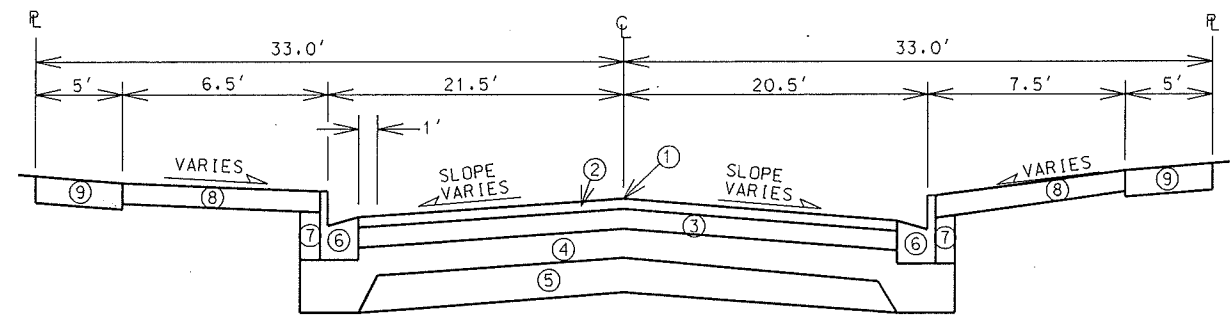


WATER
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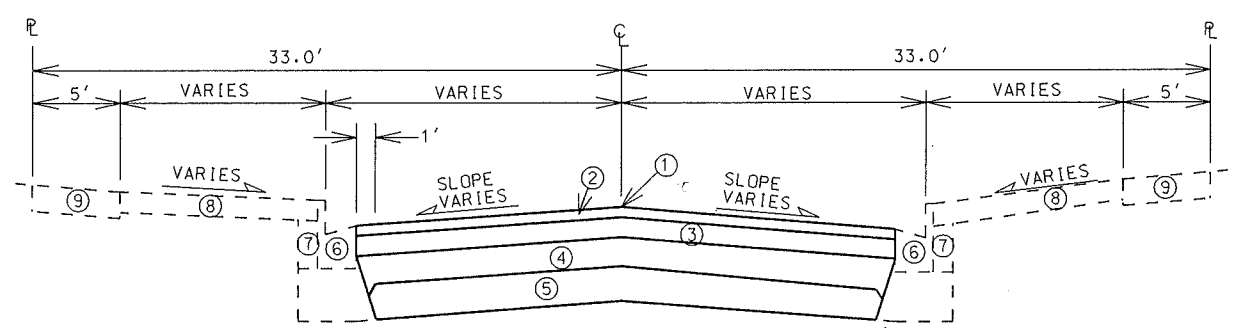
SEWERS
DESIGNED BY:





TYPICAL FINISHED SECTION

N HENRY STREET
NOT TO SCALE

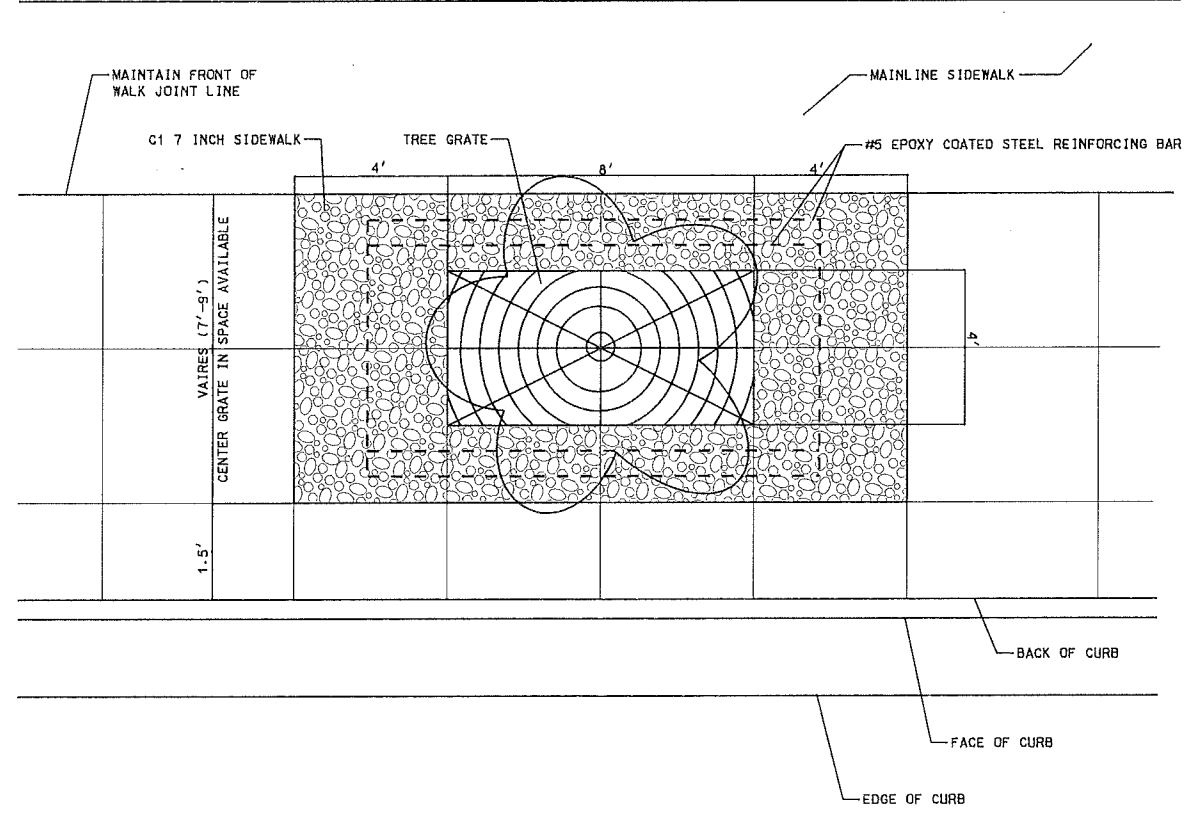


TYPICAL FINISHED SECTION

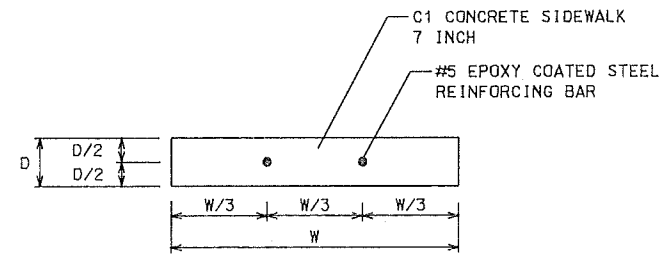
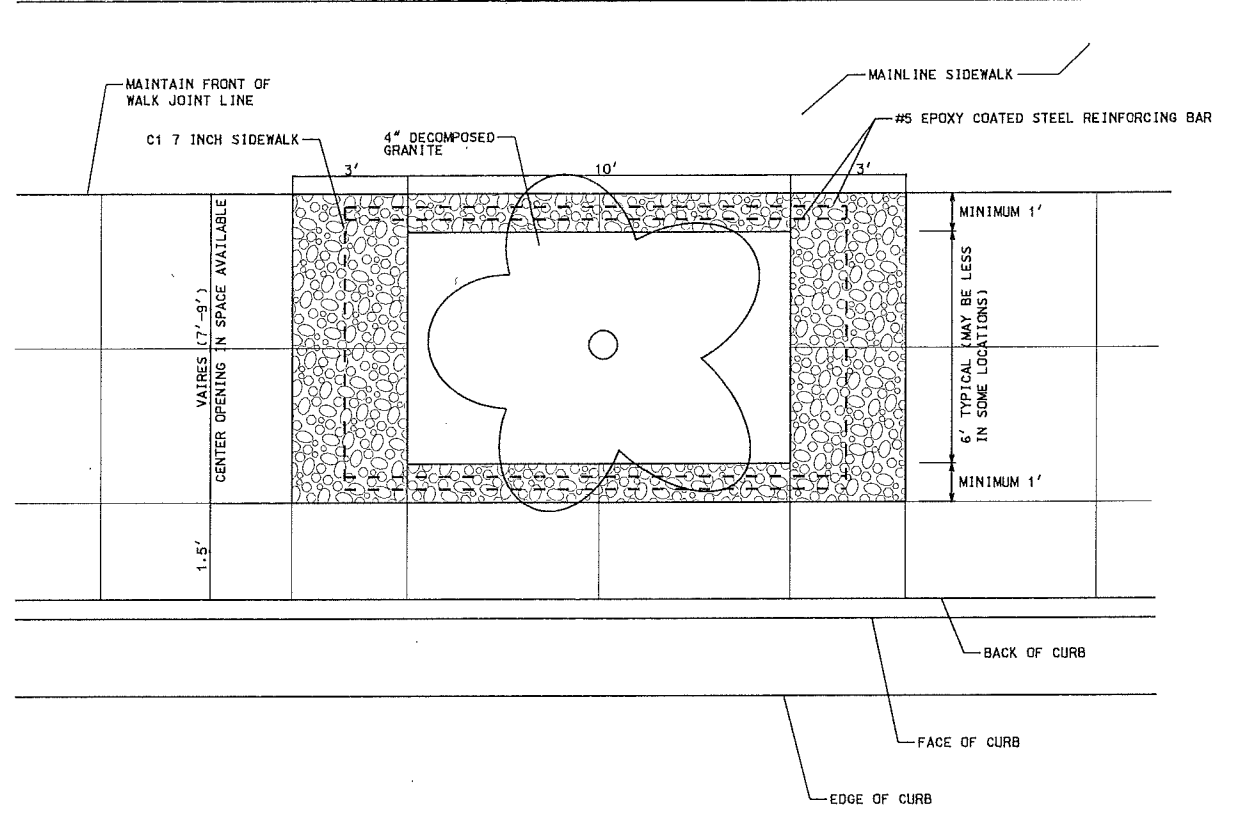
N FRANCES STREET - LANGDON ST - SOUTH END (CUL-DE-SAC)
NOT TO SCALE

- 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 AGGREGATE BASE COURSE
- ⑤ 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE
- ⑥ TYPE 'A' CONCRETE CURB & GUTTER
- ⑦ FILL
- ⑧ 5" CONC. SIDEWALK, OR CI CONC. SIDEWALK 7" (SEE PLANS)
- ⑨ EXISTING SIDEWALK, REPLACE AS NOTED IN PLAN

TYPICAL STREETSCAPE PLAN
 NEW & REPLACEMENT TREE LOCATIONS (SEE PLAN)
 NTS



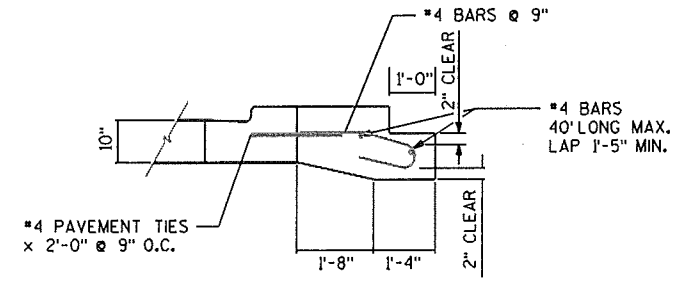
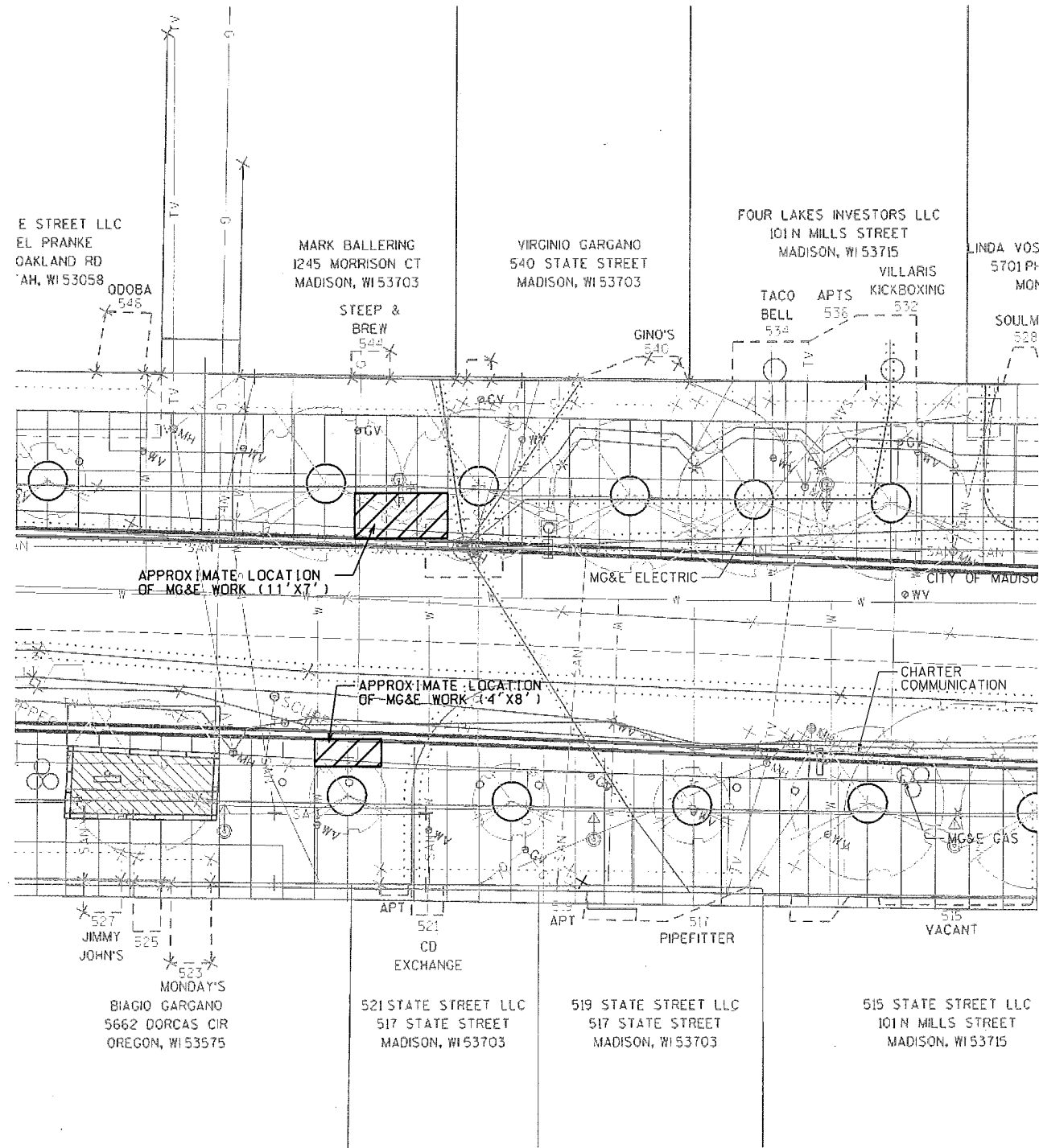
TYPICAL STREETSCAPE PLAN
 LOCATIONS WHERE EXISTING TREE TO REMAIN (SEE PLANS)
 NTS



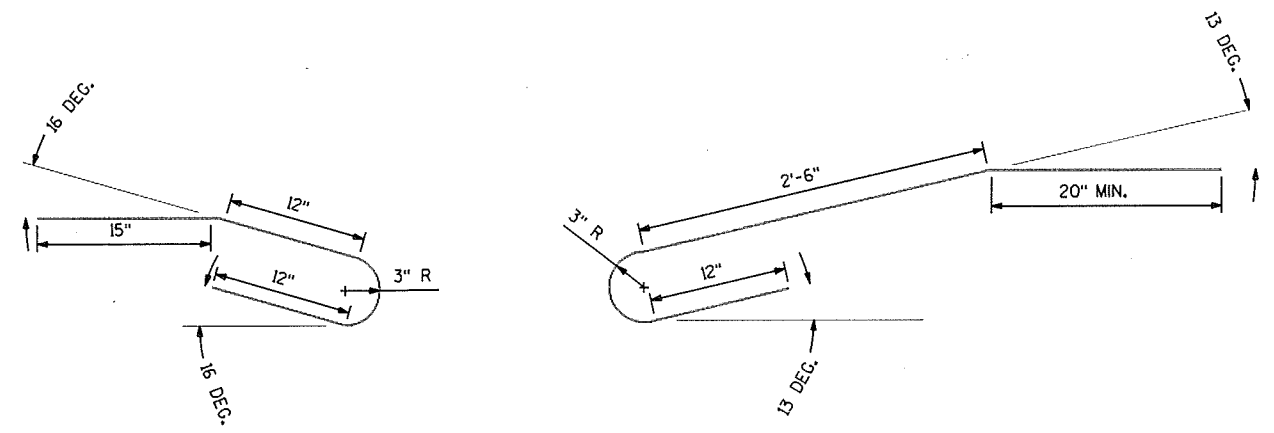
REINFORCING DETAIL
 C1 CONCRETE SIDEWALK 7 INCH
 NTS

- NOTES:
1. NEW TREE LOCATIONS TO BE VERIFIED WITH ENGINEER
 2. WHEN MATURE TREE IS OFF CENTER, VERIFY WITH ENGINEER TO DETERMINE EXPOSED AGGREGATE LIMITS & OPENING LOCATION
 3. 5" CONCRETE SIDEWALK JOINTS SHALL BE TROWLED
 4. VERIFY JOINT PATTERN WITH ENGINEER

REPLACE C1 STRUCTURAL SIDEWALK DETAIL
APPROXIMATE LOCATION



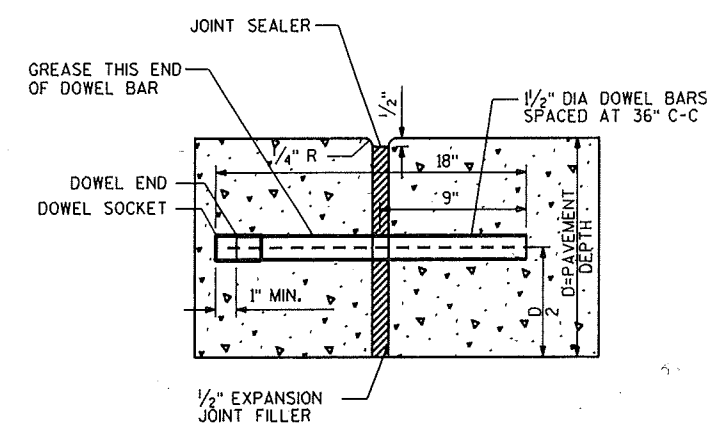
REINFORCED CONCRETE BAND



REINFORCED CONCRETE BAND REINFORCEMENT

C1 CONCRETE SIDEWALK 7-INCH REINFORCED REINFORCEMENT

BAR BEND DETAILS



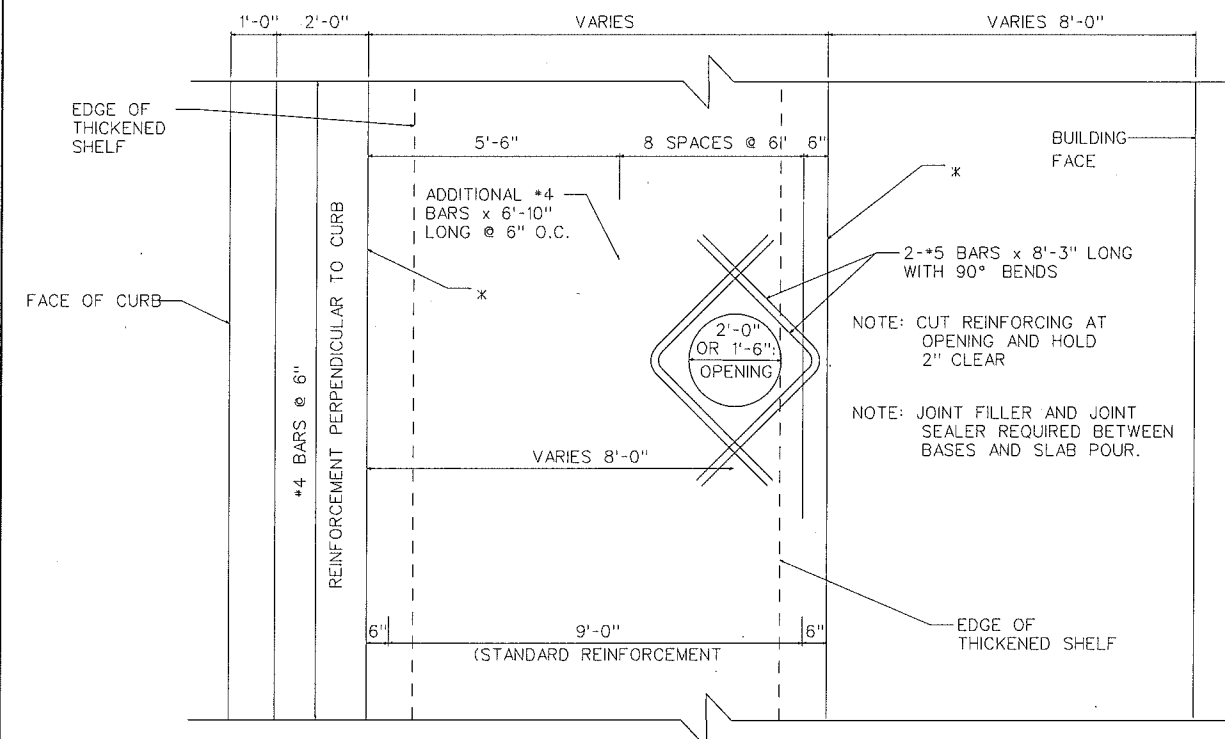
EXPANSION DOWELS

PLOT SCALE:

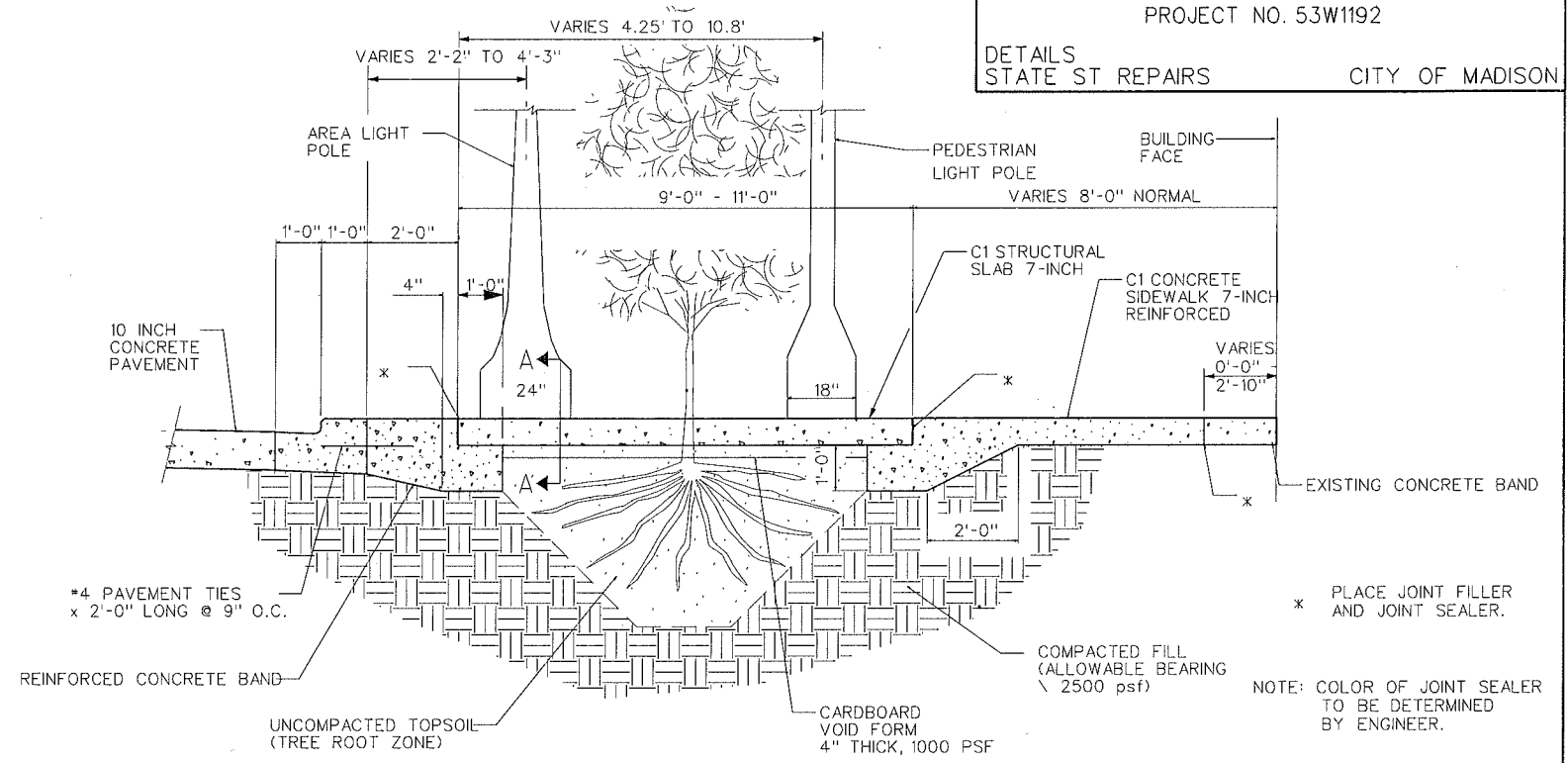
PLOT NAME:

REV. DATE:

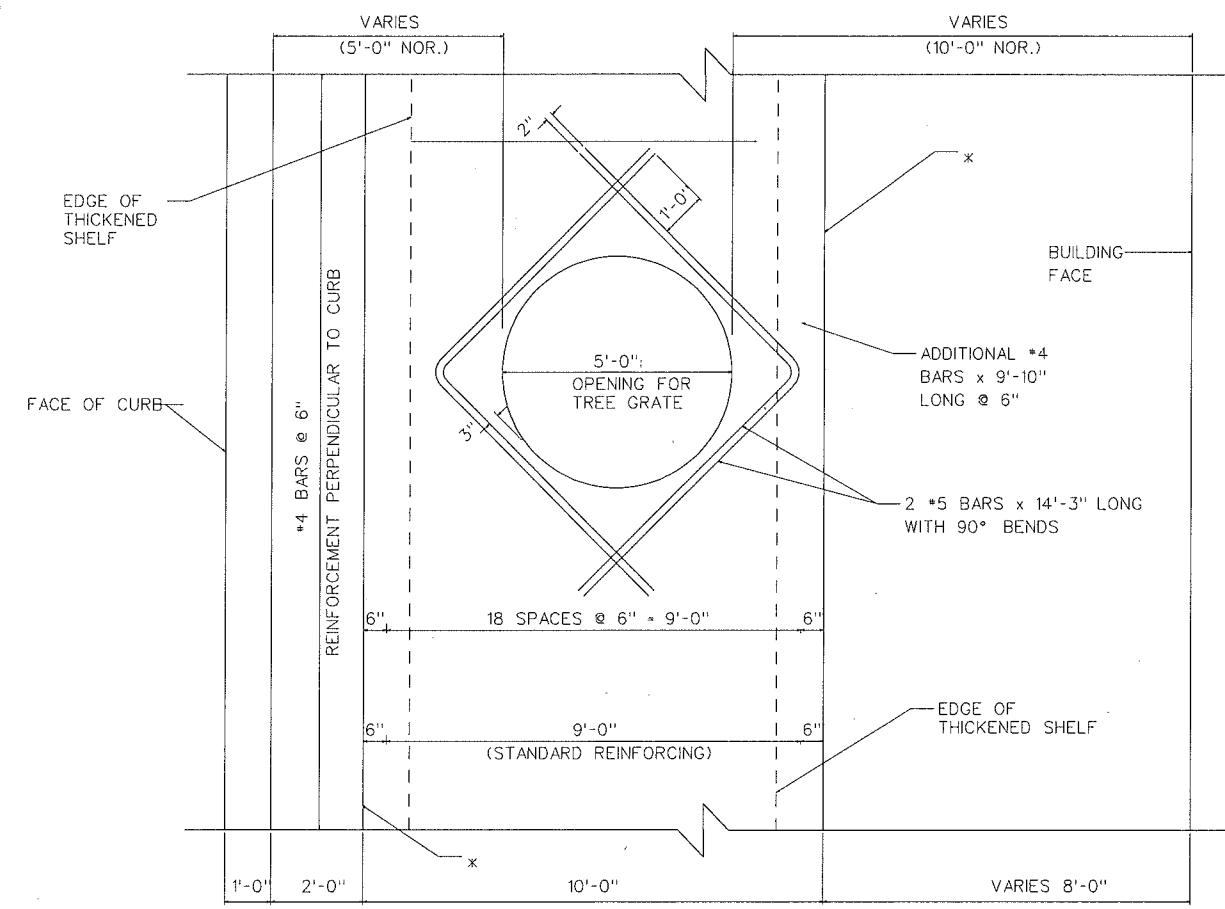
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



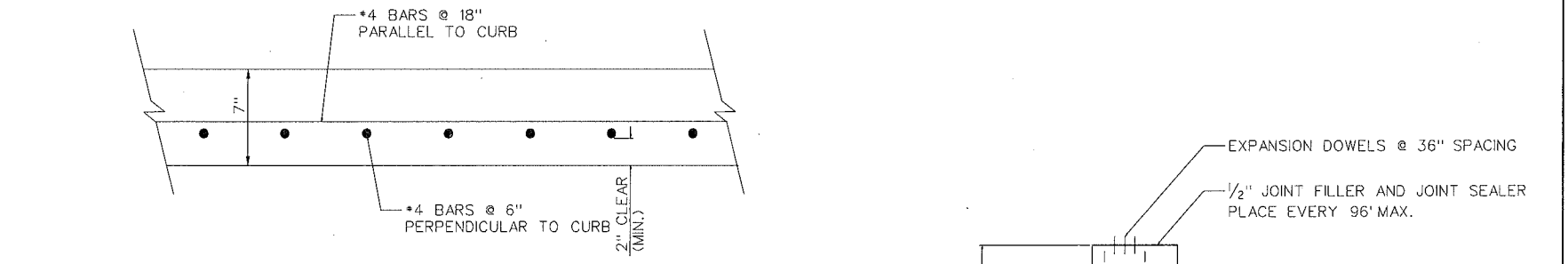
REINFORCEMENT PLAN - LIGHT BASE OPENINGS



ROOT ZONE DETAIL



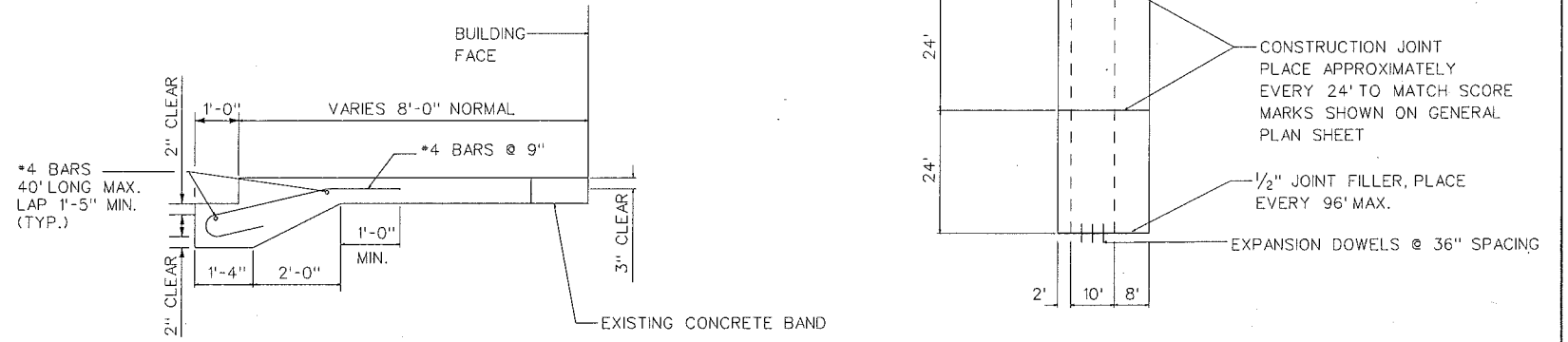
REINFORCEMENT PLAN - TREE OPENINGS



SECTION A-A, C1 STRUCTURAL SLAB 7-INCH REINFORCEMENT

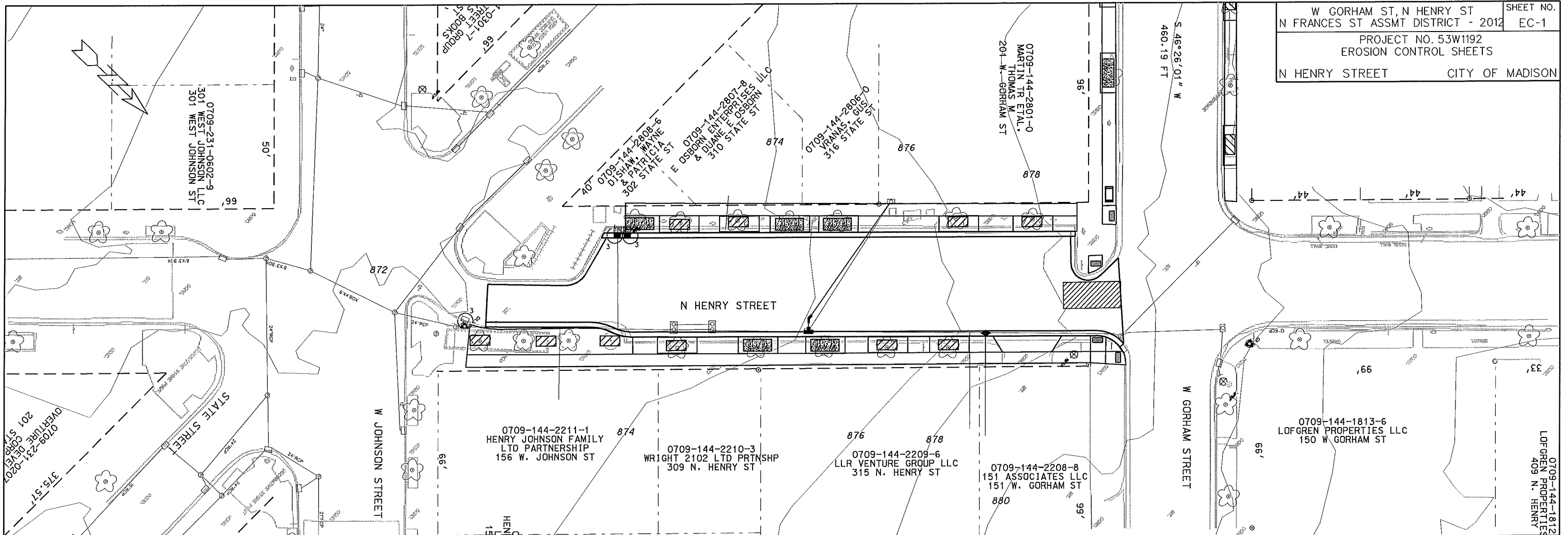
NOTE: THIS CONFIGURATION MAY BE REPLACED AT THE CONTRACTOR'S DISCRETION BY WELDED WIRE FABRIC MESH HAVING AN EQUIVALENT OR GREATER AREA OF STEEL IN EACH DIRECTION. IN THAT CASE, ADDITIONAL BARS MUST BE ADDED AT SLAB OPENINGS AS SHOWN IN REINFORCEMENT PLAN DETAILS

- POSSIBLE EQUIVALENT MESH CONFIGURATIONS INCLUDE:
 - WWF 6x12 W18xW14; - WWF 6x6 W18xW6;
 - WWF 6x18 W18xW18; - WWF 9x18 W26xW18



C1 CONCRETE SIDEWALK 7-INCH REINFORCED REINFORCEMENT

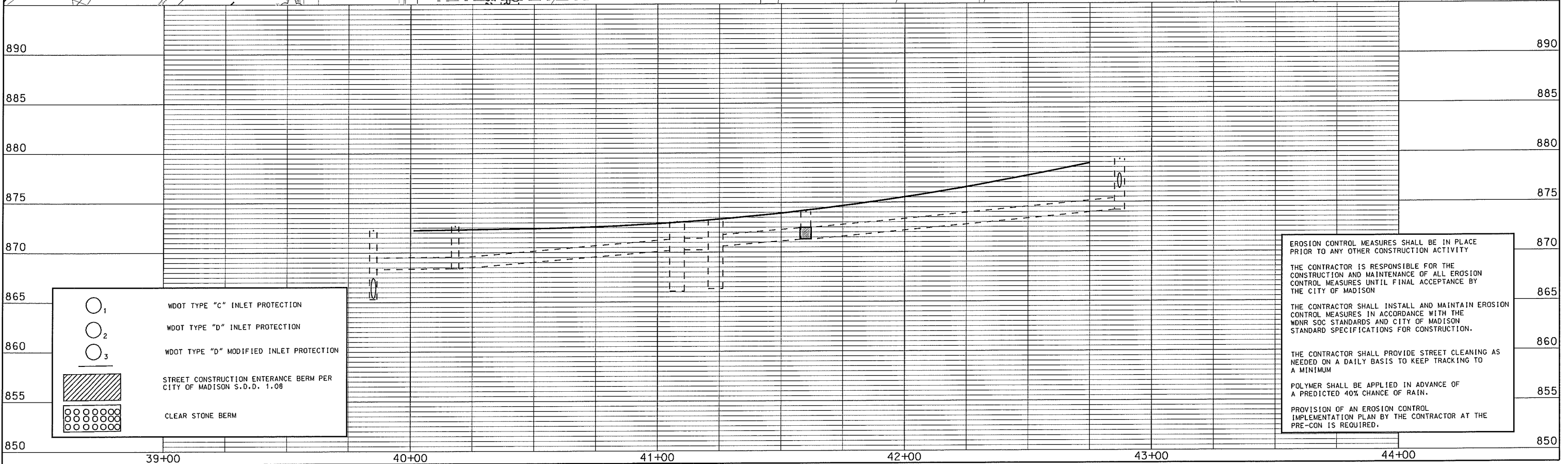
JOINT PLAN





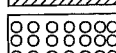


PLOT SCALE:

PLOT NAME:

REV. DATE:



-  WDOT TYPE "C" INLET PROTECTION
-  WDOT TYPE "D" INLET PROTECTION
-  WDOT TYPE "D" MODIFIED INLET PROTECTION
-  STREET CONSTRUCTION ENTRANCE BERM PER CITY OF MADISON S.D.D. 1.08
-  CLEAR STONE BERM

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

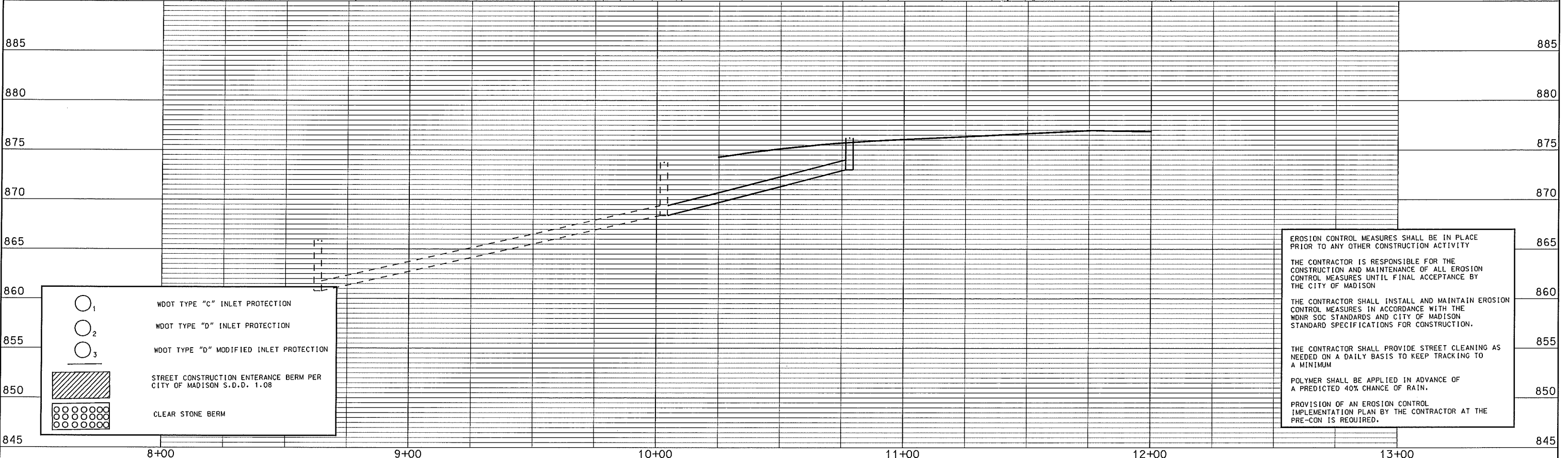
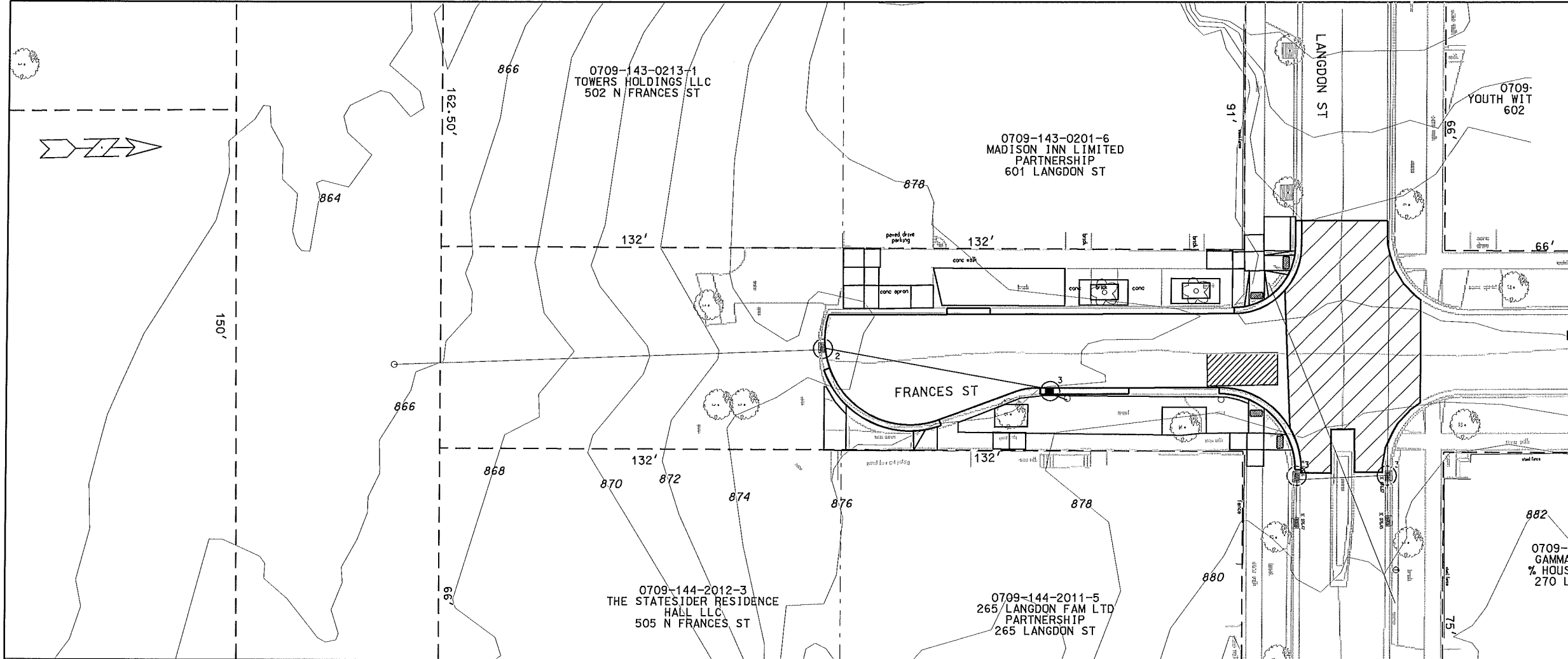
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS FOR CONSTRUCTION.

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.

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



	WOOT TYPE "C" INLET PROTECTION
	WOOT TYPE "D" INLET PROTECTION
	WOOT TYPE "D" MODIFIED INLET PROTECTION
	STREET CONSTRUCTION ENTRANCE BERM PER CITY OF MADISON S.D.D. 1.08
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ORIGINATOR: CITY OF MADISON, SIBEEIS_DIVISION

PLOT NAME: _____
 REV. DATE: _____
 PLOT SCALE: _____

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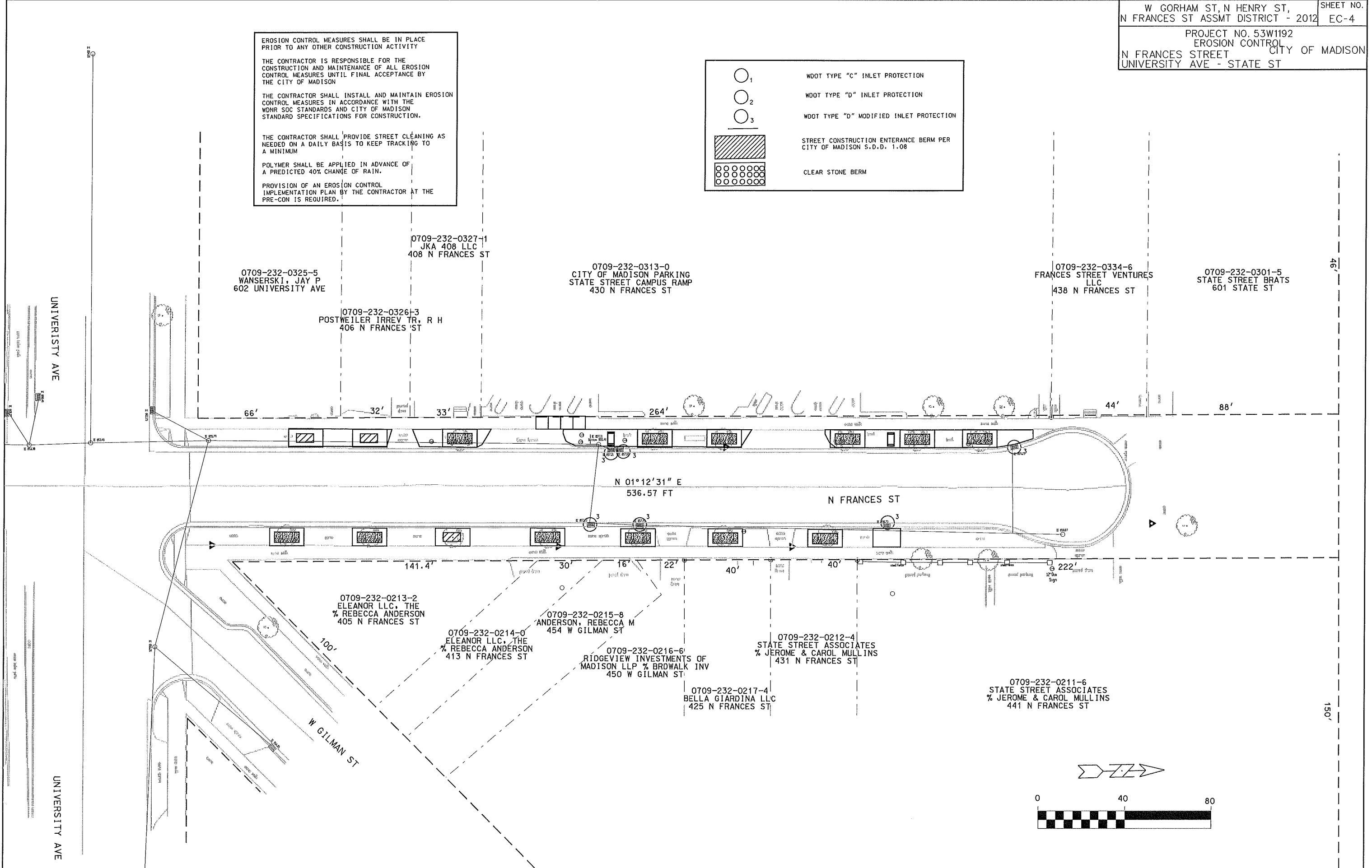
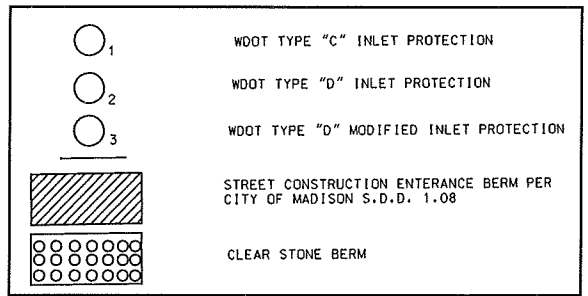
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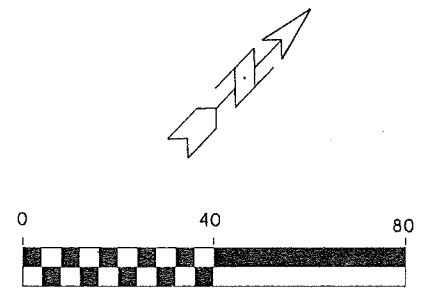


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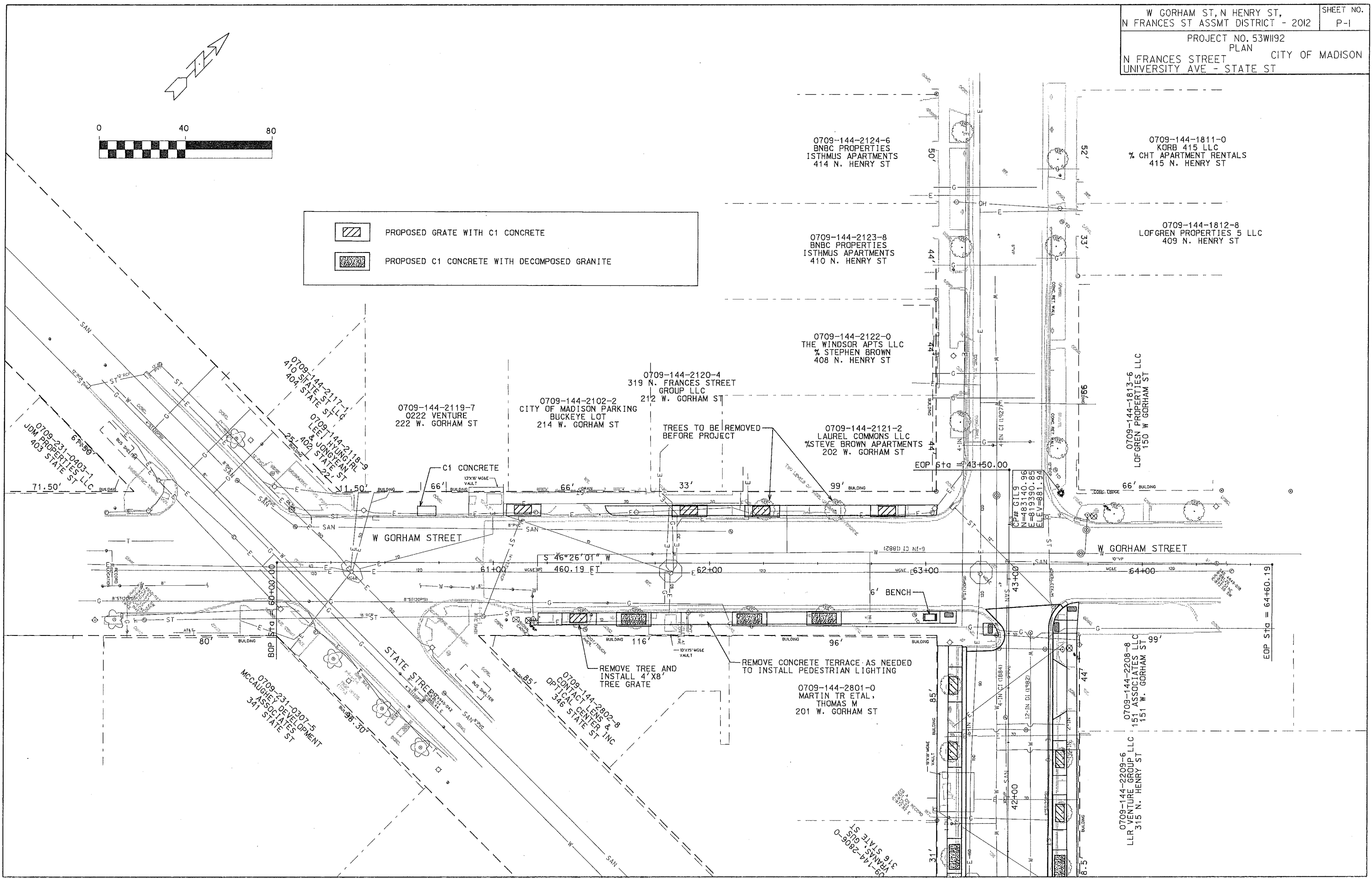
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, SIBBEE'S DIVISION



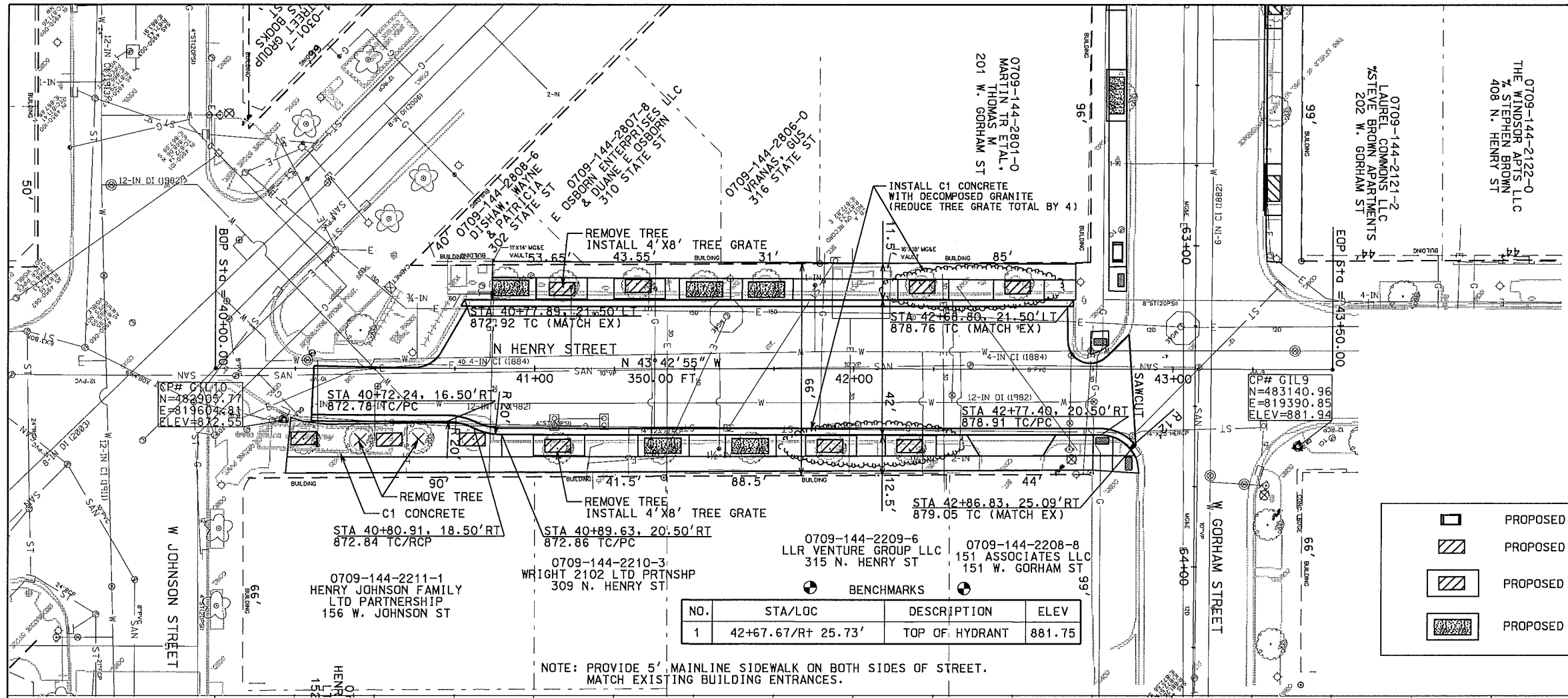
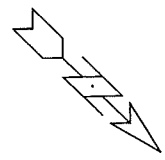
	PROPOSED GRATE WITH C1 CONCRETE
	PROPOSED C1 CONCRETE WITH DECOMPOSED GRANITE



PLOT SCALE:
 PLOT NAME:
 REV. DATE:

ORIGINATOR: CITY OF MADISON, SIBBEIS DIVISION

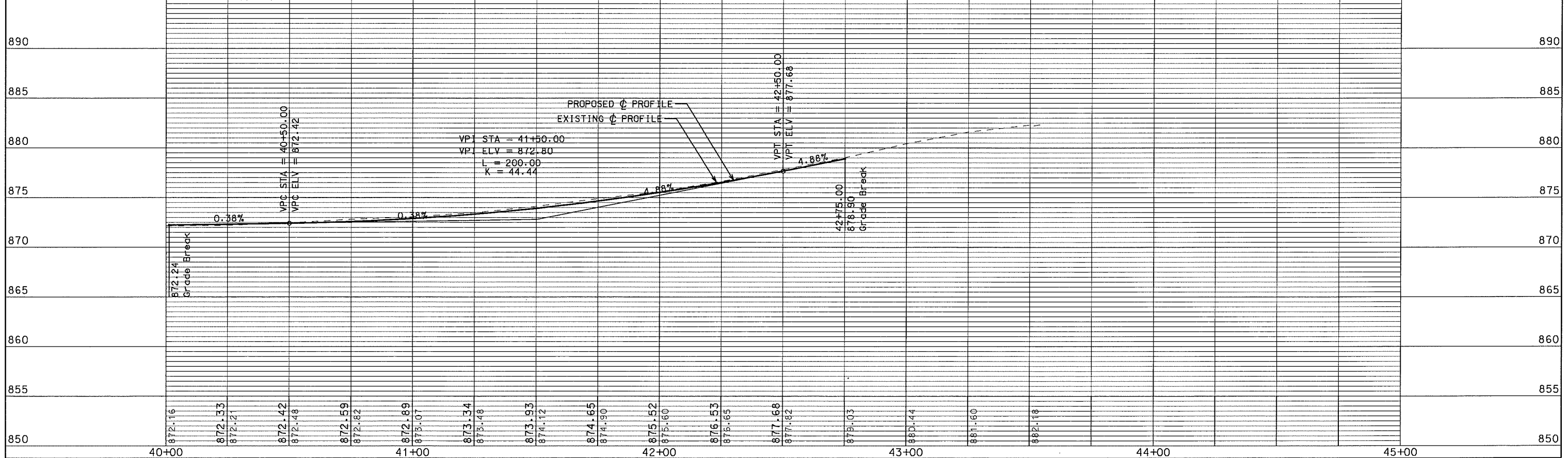
REV. 05/21/2012 ELD
 (REDUCE TREE GRATE LOCATIONS)



	PROPOSED 6' BENCH
	PROPOSED 4'x8' GRATE
	PROPOSED GRATE WITH C1 CONCRETE
	PROPOSED C1 CONCRETE WITH DECOMPOSED GRANITE

NO.	STA/LOC	DESCRIPTION	ELEV
1	42+67.67/R+ 25.73'	TOP OF HYDRANT	881.75

NOTE: PROVIDE 5' MAINLINE SIDEWALK ON BOTH SIDES OF STREET.
 MATCH EXISTING BUILDING ENTRANCES.



ORIGINATOR: CITY OF MADISON, SIBBETT'S DIVISION

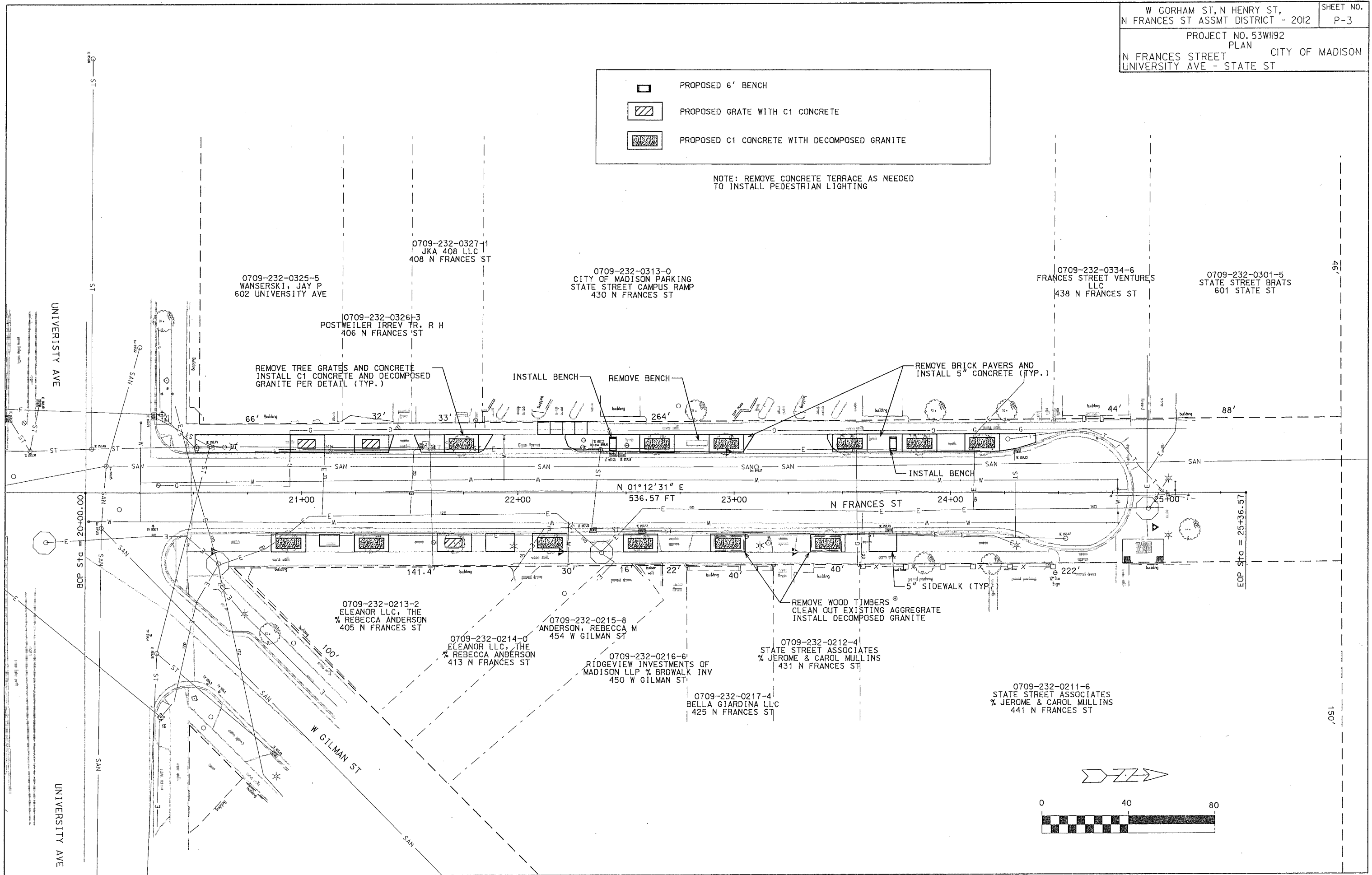
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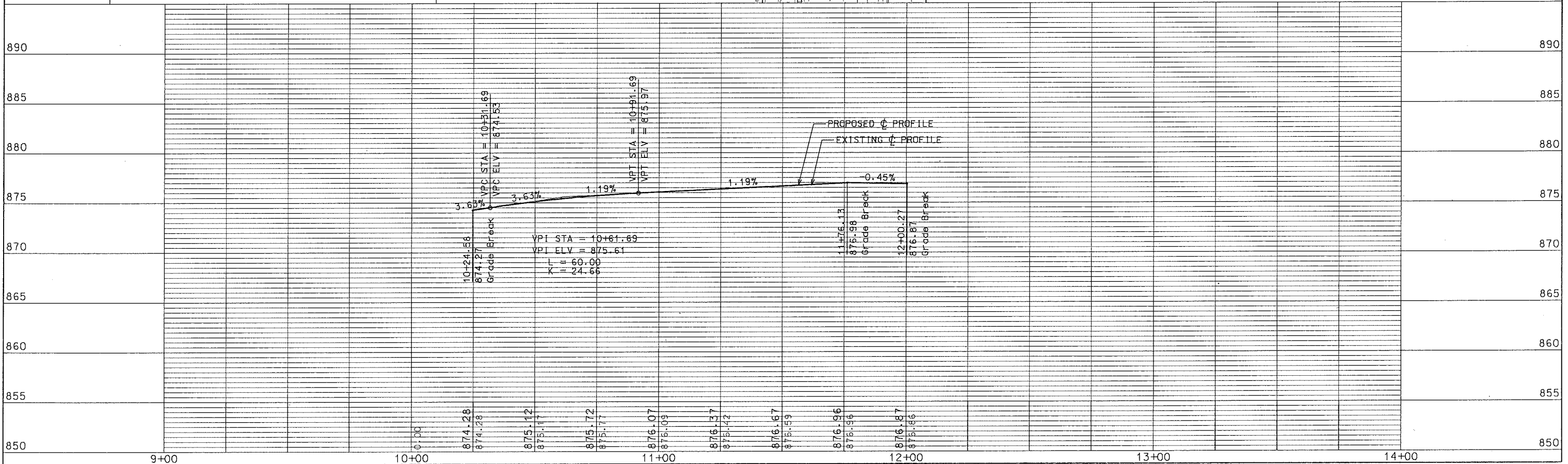
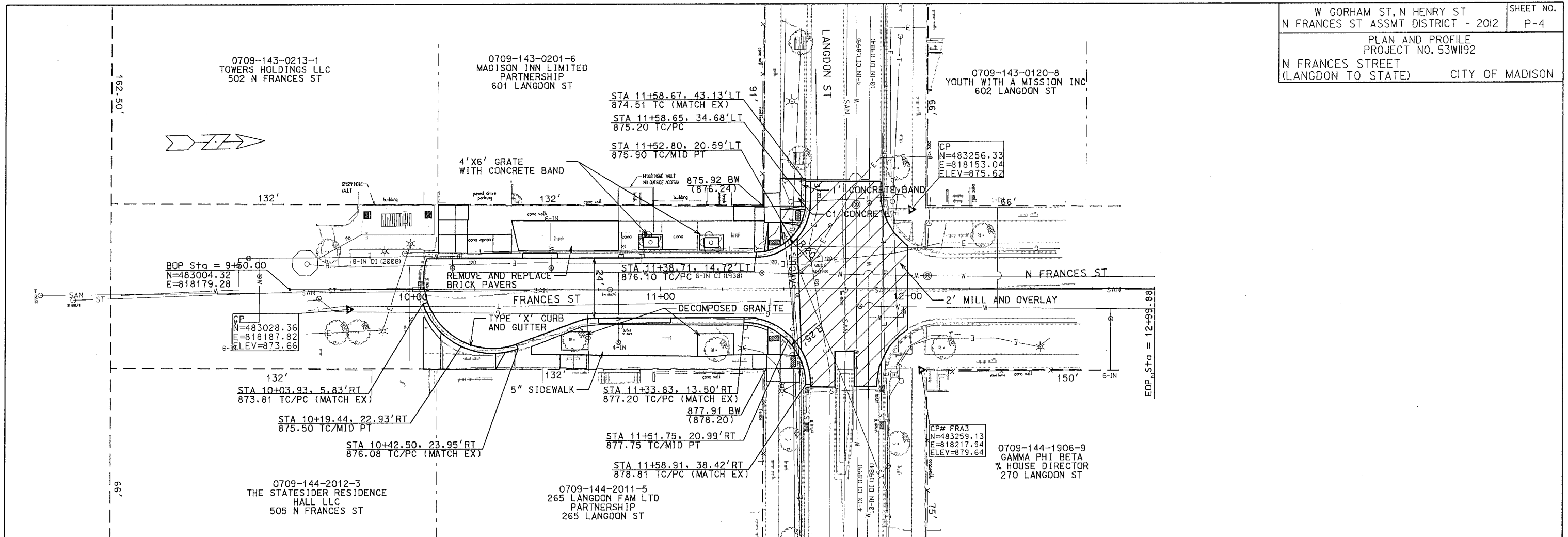
REV. DATE:

	PROPOSED 6' BENCH
	PROPOSED GRATE WITH C1 CONCRETE
	PROPOSED C1 CONCRETE WITH DECOMPOSED GRANITE

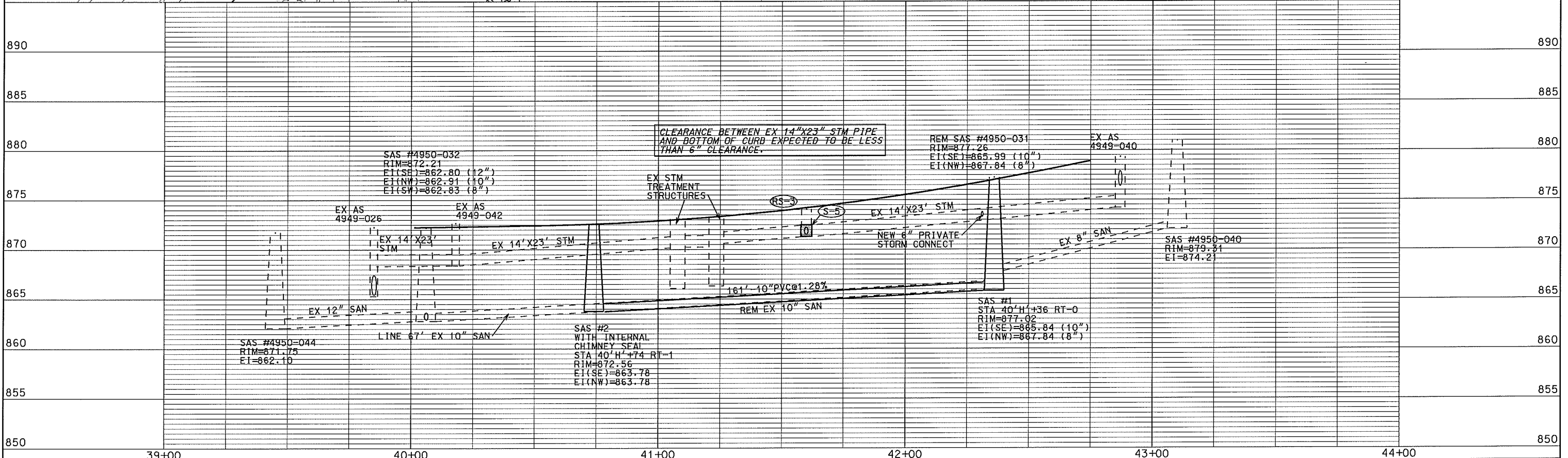
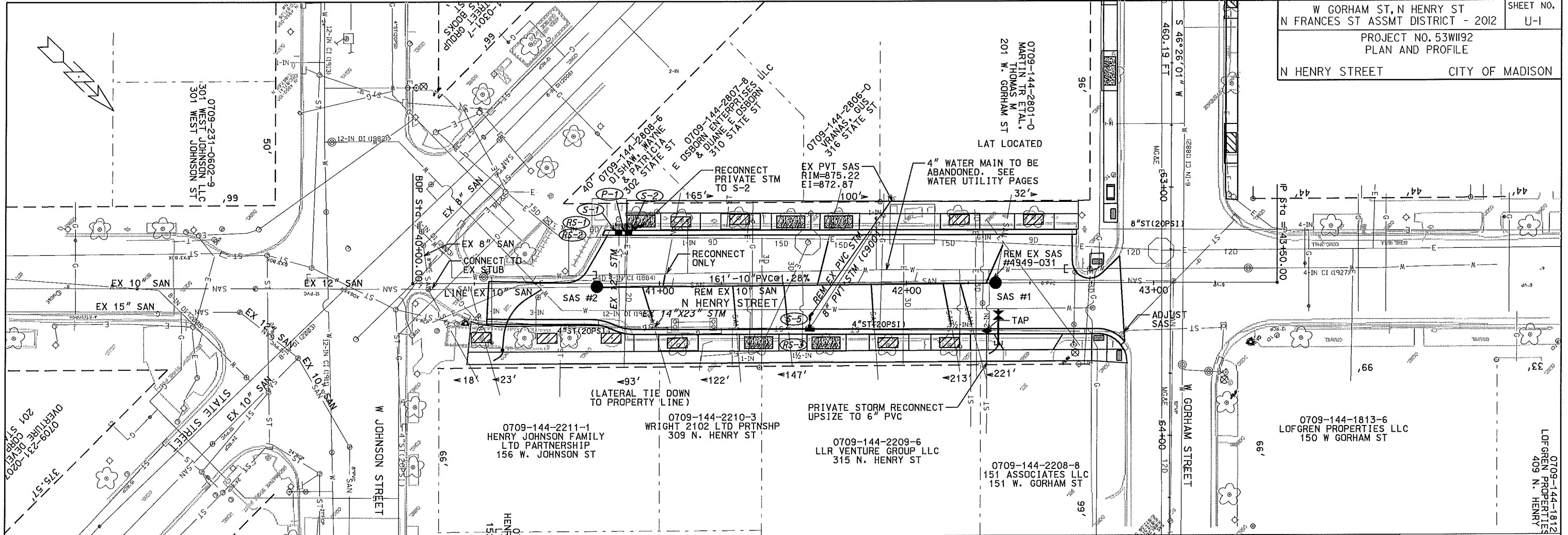
NOTE: REMOVE CONCRETE TERRACE AS NEEDED TO INSTALL PEDESTRIAN LIGHTING



PLOT SCALE: 1/8" = 1'-0"
 PLOT NAME:
 REV. DATE:
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION

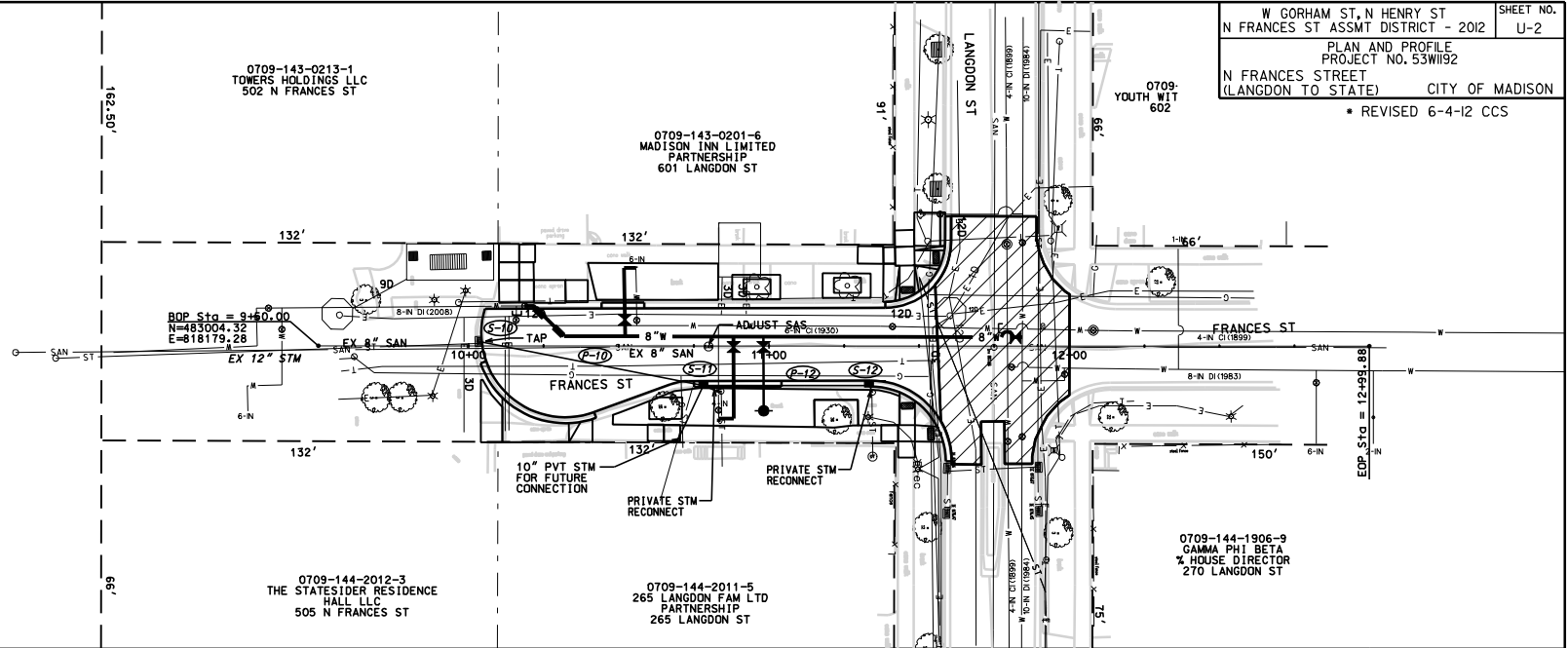
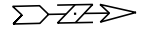


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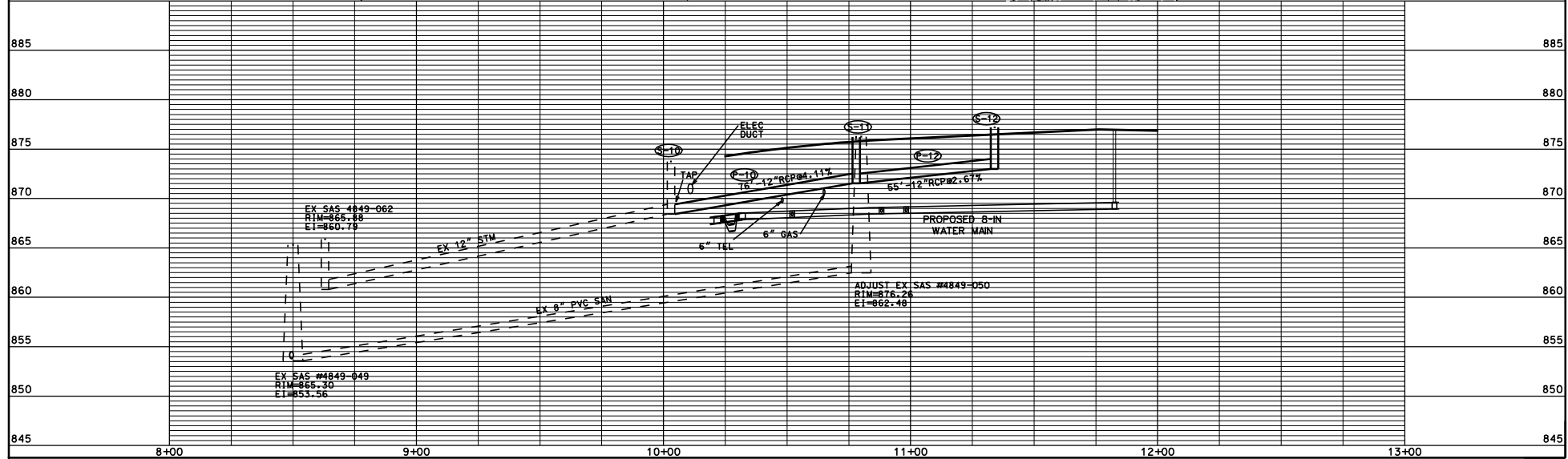


ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLOT SCALE: _____
 PLOT NAME: _____
 REV. DATE: _____



PLOT SCALE:
 PLOT NAME:
 REV. DATE:



ORIGINATOR: CITY OF MADISON, STREETS DIVISION

STORM SEWER SCHEDULE

ALIGNMENT CODES:

"H"= N HENRY ST
"F"=N FRANCES ST

* REVISED 6-4-12

GORHAM, FRANCES, HENRY
PROJECT NO. 53W1192

SHEET NO.
U-3

STORM SEWER SCHEDULE CITY OF MADISON

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-1	40'H'+83.67	LT-20.50	H INLET	873.13	870.88	2.25	FP;(1); W/ SALVAGED CASTING
S-2	40'H'+87.60	LT-20.50	H INLET	873.13	870.88	2.25	FP;(1); W/ SALVAGED CASTING
S-5	41'H'+60.80	RT-19.50	PVT CONNECT,REPAIR	874.09	871.29	2.80	(2); SEE ITEM 90032
S-10	10'F'+03.00	LT-1.50	EX INLET	873.75	868.41	5.34	ADJUST, TAP
* S-11	10'F'+78.00	RT-13.50	H INLET	876.23	871.53	4.70	W/3067-7004-V
* S-12	11'H'+33.80	RT-13.00	H INLET	877.20	873.00	4.20	W/3067-7004-V

PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-1	S-2	3	870.88	870.88	0.00%	12"	RCP	
P-10	S-10	S-11	76	868.41	871.53	4.11%	12"	RCP	
* P-12	S-11	S-12	55	871.53	873.00	2.67%	12"	RCP	

STORM STRUCTURE REMOVALS

STRUCT NO.	ID #	STATION	LOCATION (OFFSET)	TYPE	NOTES:
RS-1	IN 4949-055	40'H'+83.67	LT-20.50	H INLET	SALVAGE CASTING
RS-2	IN 4949-054	40'H'+87.60	LT-20.50	H INLET	SALVAGE CASTING
RS-3	N/A	41'H'+60.80	RT-19.50	H INLET	REMOVE

ULO'S

NO.	STATION	LOCATION (OFFSET)	TYPE	TOP UTIL ELEV	BOT UTIL ELEV	NOTES
* ULO-1	10'F'+48.00	RT-6.50	6" TEL	870.12	869.22	STORM SEWER REVISED
* ULO-2	10'F'+65.00	RT-10.00	6" GAS	870.93	870.34	STORM SEWER REVISED
* ULO-3	10'F'+11.00	RT-1.00	ELEC DUCT	871.50	870.50	STORM SEWER REVISED

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 COREY STELLJES OF CITY ENGINEERING AT (608) 266-9721 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608)264-9275.

SPECIFIC NOTES

- (1) DEPTH OF STRUCTURE REQUIRES PIPE WALLS TO BE POURED INTO ROOF
- (2) REMOVE INLET CASTING, REPAIR PIPE, REPLACE PRIVATE STORM. SEE ITEM #90032 IN SPECIAL PROVISIONS.

SANITARY SEWER SCHEDULE

ALIGNMENT CODES:

'H' = HENRY ST

GORHAM, FRANCES, HENRY

SHEET NO.

PROJECT NO. 53W1192

U-4

UTILITIES

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS #1	40'G'+36.00	RT-0	877.02	865.84	11.18	
SAS #2	40'G'+74.00	RT-1.00	872.56	863.78	8.78	

PROPOSED SANITARY PIPES

FROM SAS (DNSTM)	TO SAS (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	SIZE (DIA)	TYPE	NOTES
SAS #2	SAS #1	161	863.78	865.84	1.28%	10"	PVC	

SANITARY PIPE REMOVALS

REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	SIZE (DIA)
4950-031	SAS #2	161	N	10"

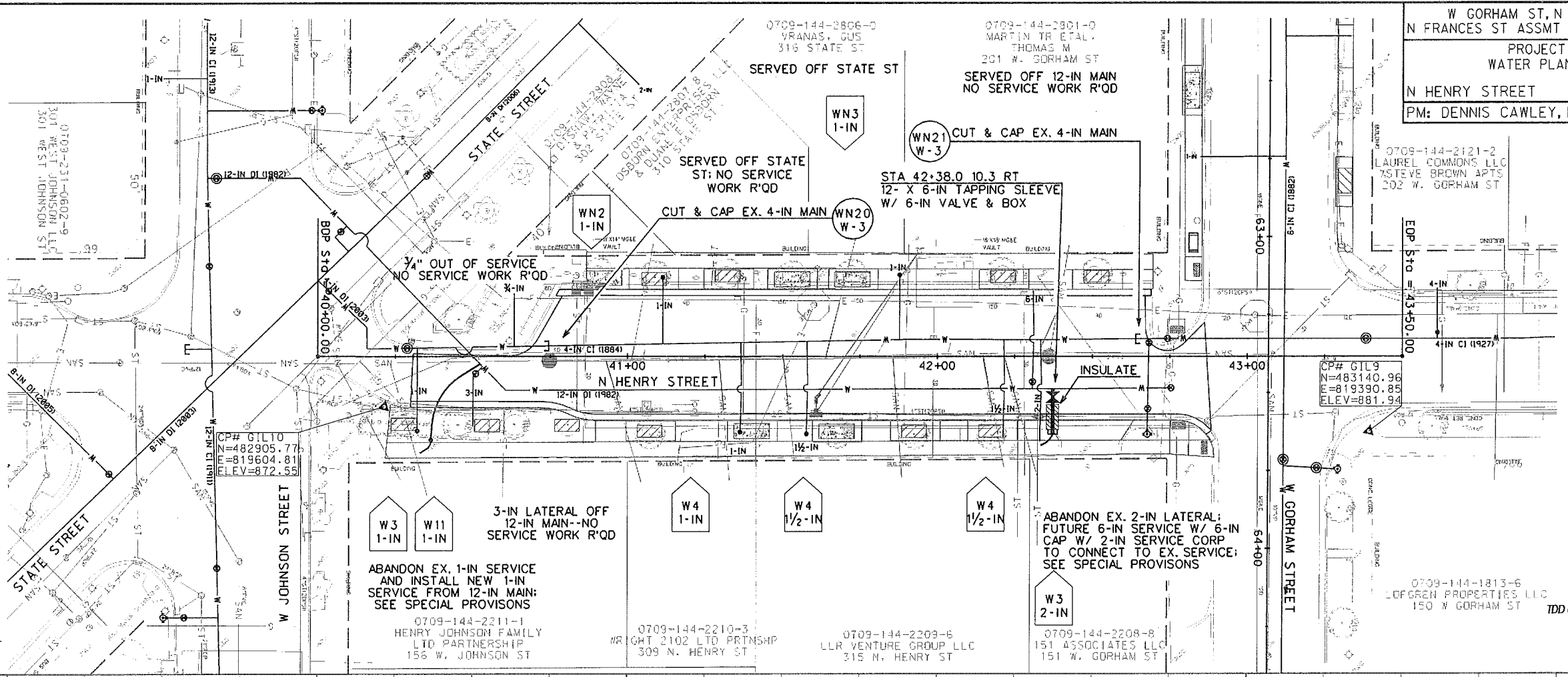
SANITARY STRUCTURE REMOVALS

SAS NO.	STATION	LOCATION (OFFSET)	EX TOP CASTING	EX EI	DEPTH	NOTES
4950-031	40'G'+36.00	RT-0	877.26	865.99	11.27	

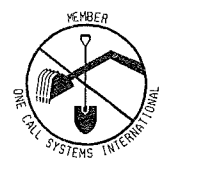
PLOT SCALE: ---

PLOT NAME: ---

REV. DATE: ---

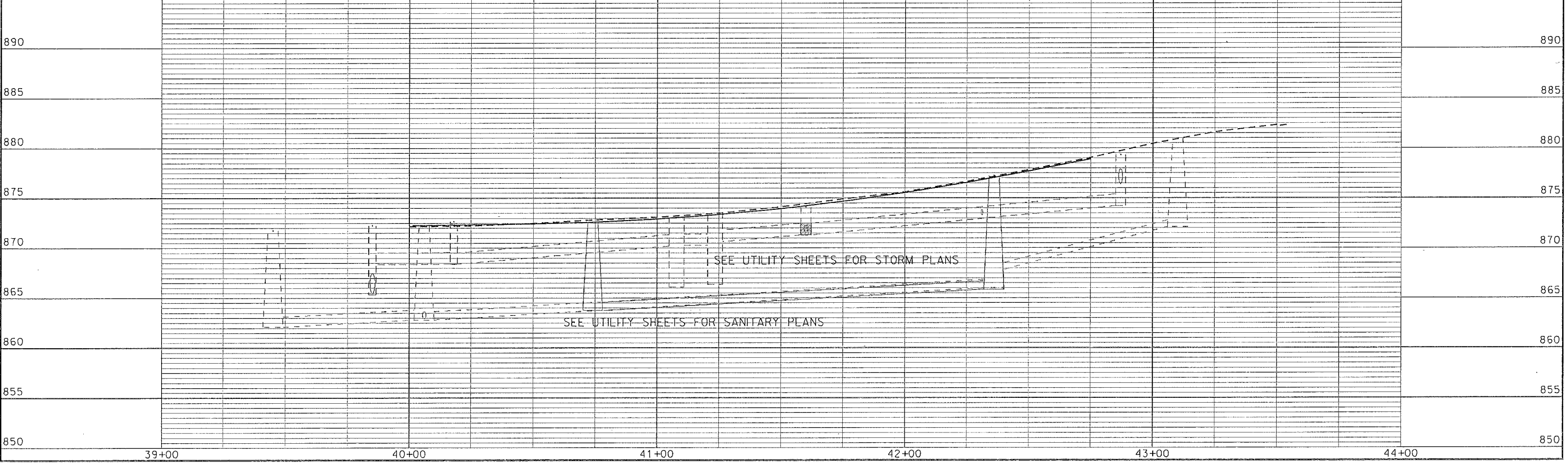


DISCLAIMER NOTE:
 UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

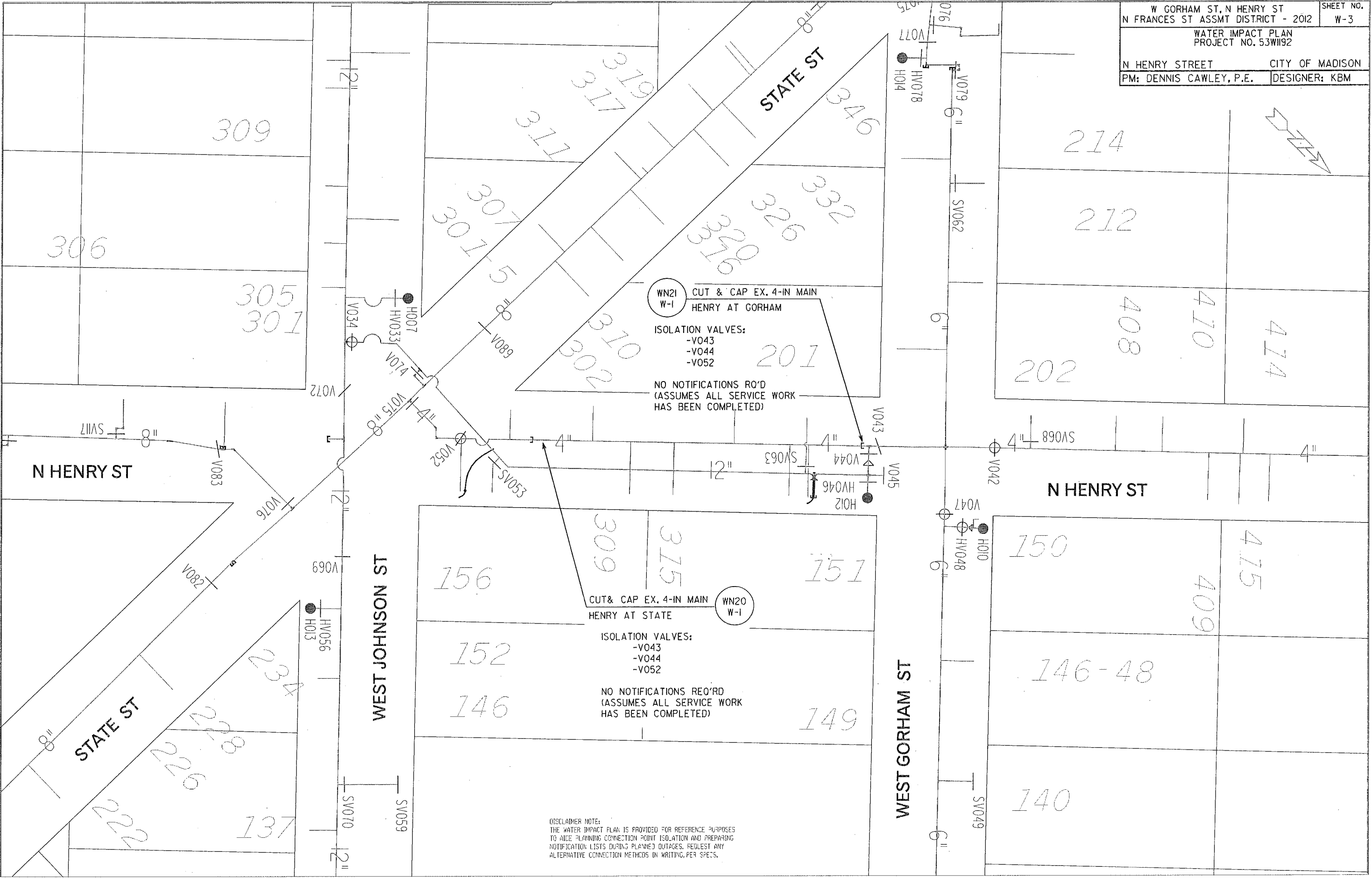


TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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.



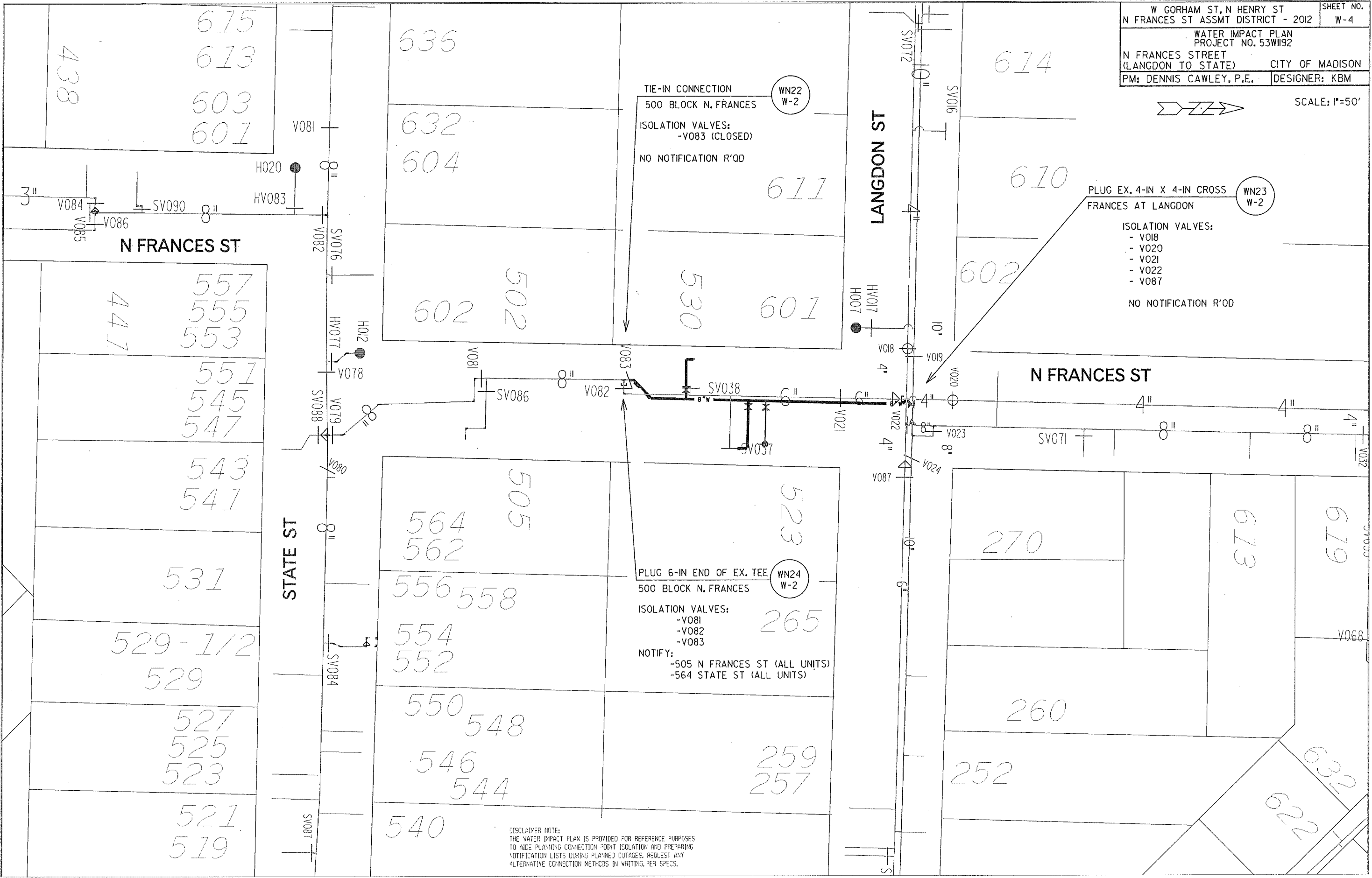
PLOT SCALE:
 PLOT NAME:
 REV. DATE:
 ORIGINATOR: CITY OF MADISON, SIBBEYS DIVISION



PLOT SCALE: _____
PLOT NAME: _____
REV. DATE: _____

ORIGINATOR: CIIX DE MADISON, SIBBEIS DIVISION

SCALE: 1"=50'



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

ELECTRICAL PLAN

FRANCES ST CITY OF MADISON

3/1/12 KF SL1203.dgn
6/7/12 REV. KF

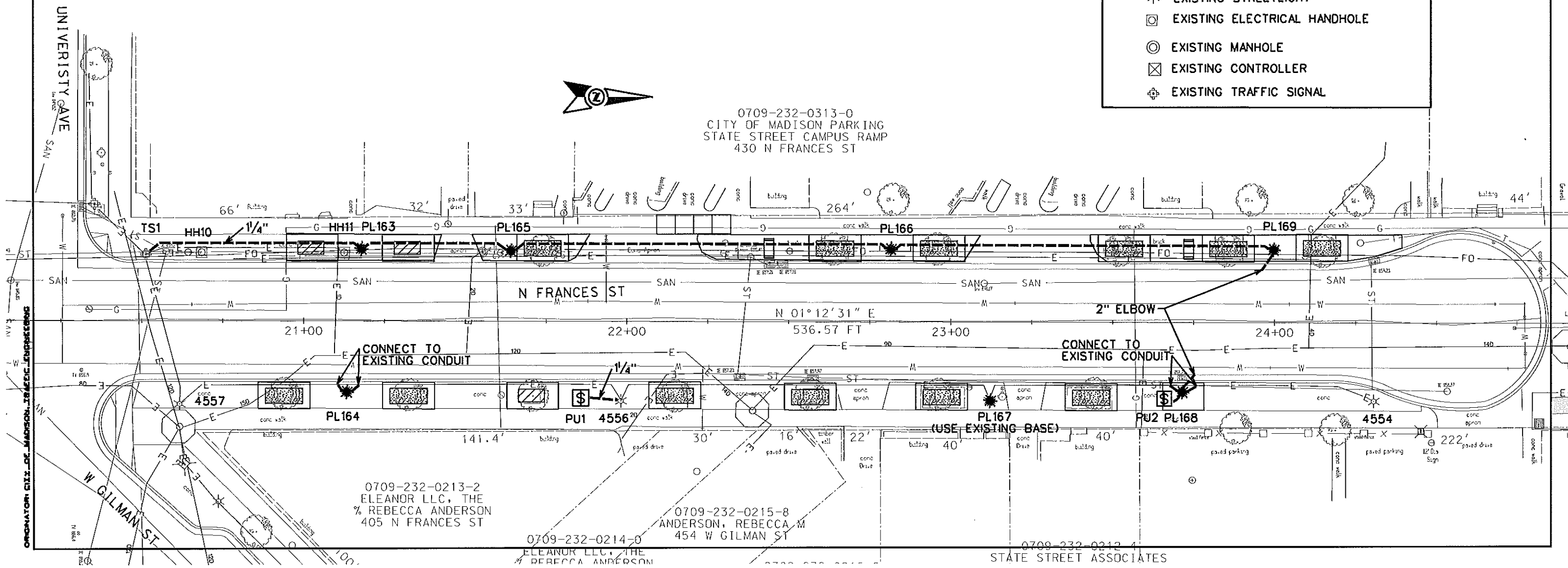
GENERAL ELECTRIC NOTES:

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. BASES INSTALLED IN MEDIAN SHALL BE CENTERED UNLESS OTHERWISE NOTED. SUBJECT TO NOTE 1 ABOVE.
3. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH "CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2012 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.
4. 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.

DETAILS - SEE PAGE E4

LEGEND

- ☼ LB-1 BASE
- ⊙ LB-3 BASE
- ⊛ LB-3 MODIFIED
- ⊠ ELECTRICAL HANDHOLE TYPE I
- ⊡ ELECTRICAL HANDHOLE TYPE V
- Ⓢ BASE FOR MULTI-SPACE PARKING METER
- INSTALL 2" PVC (UNLESS NOTED)
- E— EXISTING CONDUIT
- ☼ EXISTING STREETLIGHT
- ⊠ EXISTING ELECTRICAL HANDHOLE
- ⊙ EXISTING MANHOLE
- ⊠ EXISTING CONTROLLER
- ⊕ EXISTING TRAFFIC SIGNAL



ELECTRICAL PLAN

FRANCES ST CITY OF MADISON

3/1/12 KF SL1203.dgn
6/7/12 REV. KF



0709-143-0213-1
TOWERS HOLDINGS LLC
502 N FRANCES ST

0709-143-0201-6
MADISON INN LIMITED
PARTNERSHIP
601 LANGDON ST

0709-143-0120-8
YOUTH WITH A MISSION INC
602 LANGDON ST

162.50'

66'

BOP Sta = 9+50.00
N=483004.32
E=818179.28

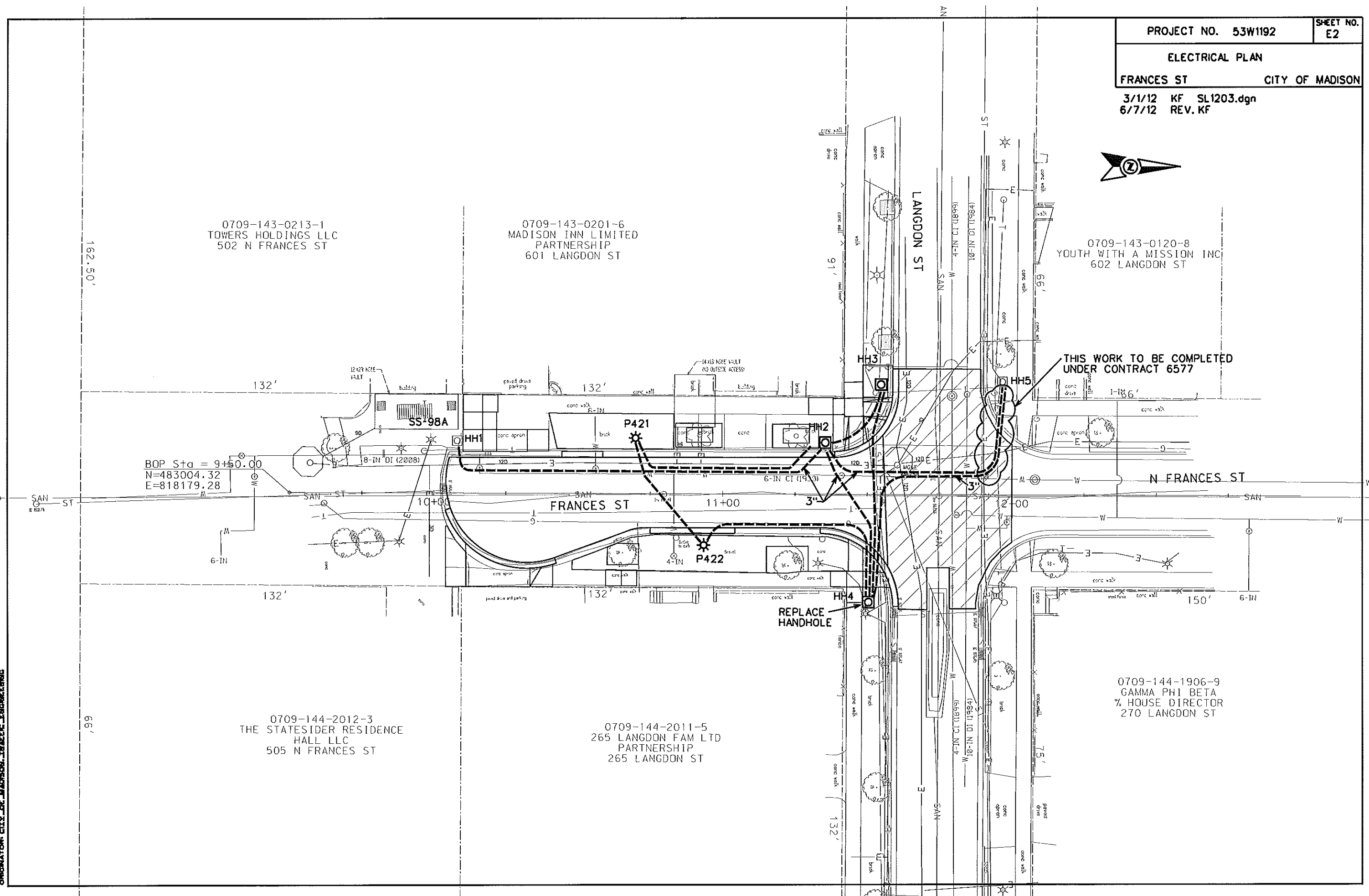
THIS WORK TO BE COMPLETED
UNDER CONTRACT 6577

ORIGINATOR: CITY OF MADISON, TRAFFIC ENGINEERING

0709-144-2012-3
THE STATESIDER RESIDENCE
HALL LLC
505 N FRANCES ST

0709-144-2011-5
265 LANGDON FAM LTD
PARTNERSHIP
265 LANGDON ST

0709-144-1906-9
GAMMA PHI BETA
% HOUSE DIRECTOR
270 LANGDON ST



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.
- 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.
- | | |
|----------------------|--|
| 40' - 4" PIPE | 2 - 4" - 90° BEND |
| 80' - 6" PIPE | 2 - 6" - 90° BEND |
| 180' - 8" PIPE | 2 - 8" - 45° BEND |
| 330' - POLYWRAP | 2 - 4" CAP |
| 1 - 5" HYDRANT | 1 - 4" PLUG |
| 1 - 4" VALVE AND BOX | 1 - 6" PLUG |
| 3 - 6" VALVE AND BOX | 1 - 6" CAP W/ TAPPED 2" CORPORATION STOP |
| 1 - 8"X4" TEE | 8' - 2" STYROFOAM INSULATION |
| 2 - 8"X6" TEE | 1" COPPER TUBING (AS REQ'D) |
| 2 - 8"X12" OFFSET | 1 1/2" COPPER TUBING (AS REQ'D) |
| | 2" COPPER TUBING (AS REQ'D) |

MATERIALS SUPPLIED BY CITY:

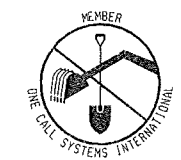
- 1 - 10"X8" TAPPING SLEEVE W/ 8" VALVE & BOX
- 1 - 12"X6" TAPPING SLEEVE W/ 6" VALVE & BOX

REMOVED/SALVAGED MATERIALS:

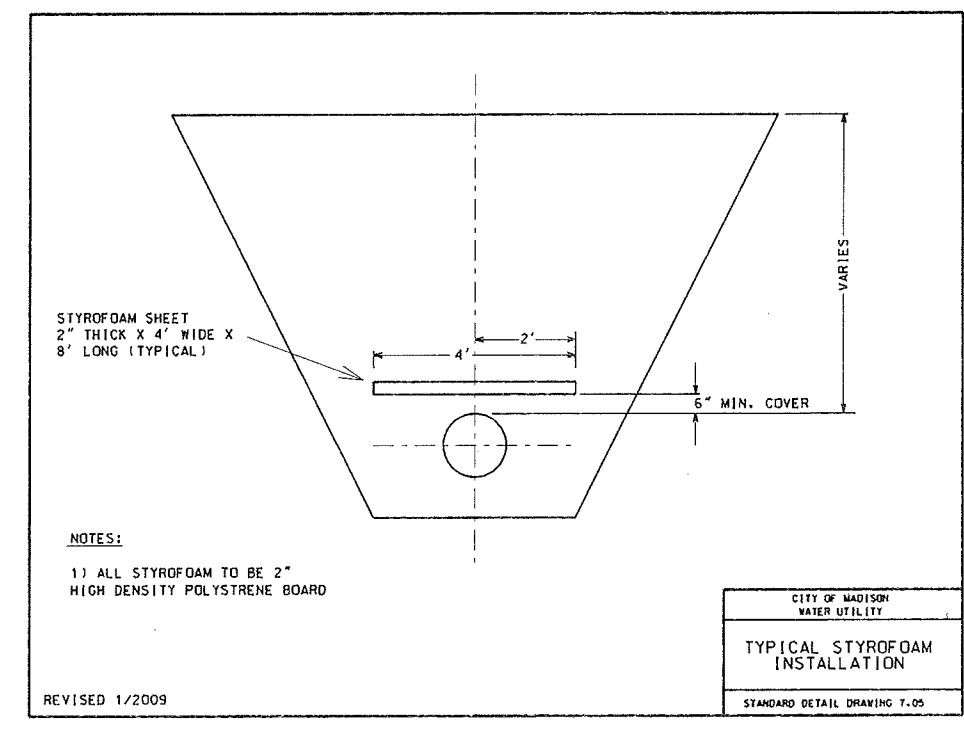
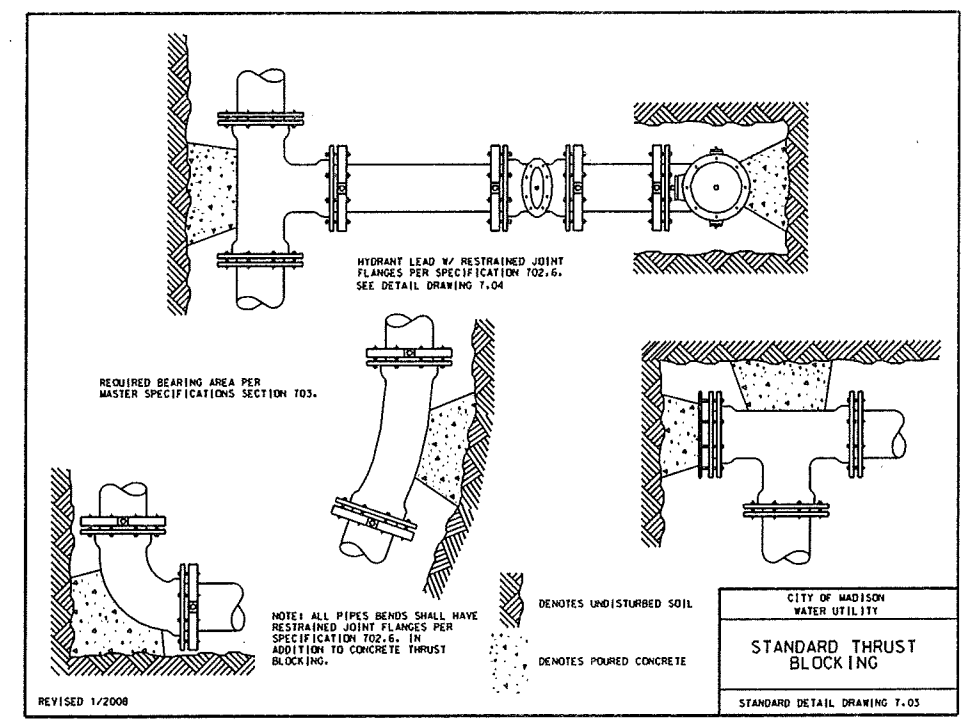
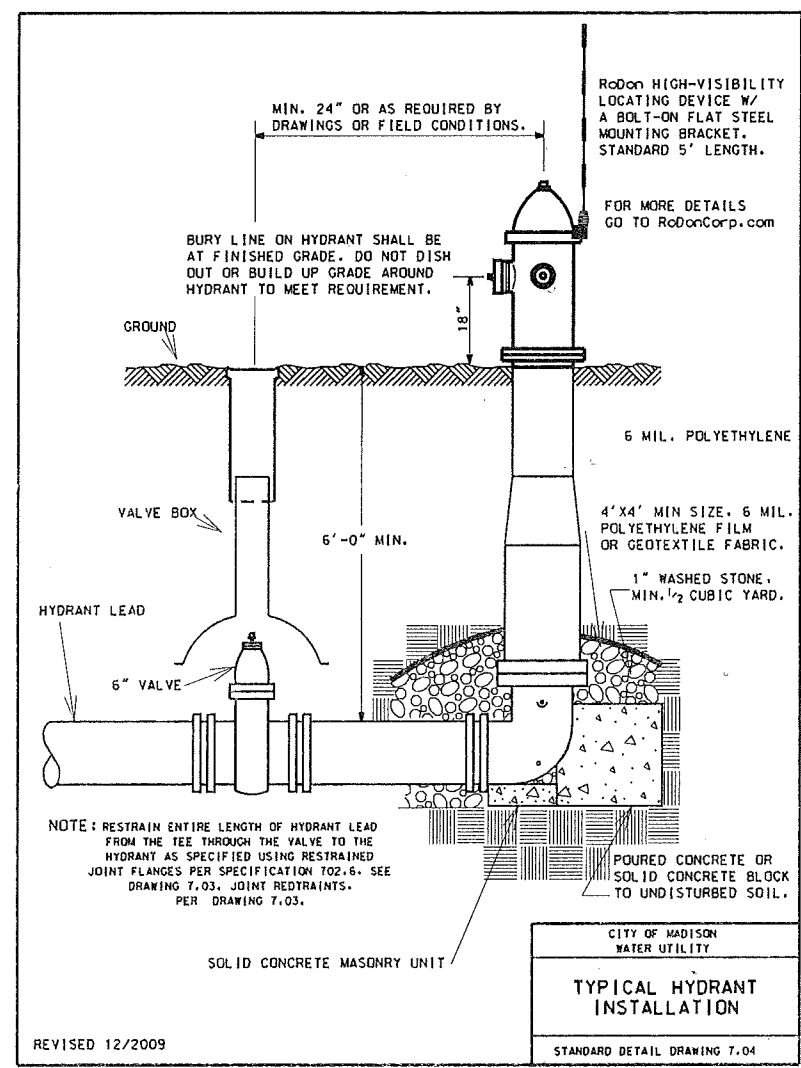
NONE

REUSED MATERIALS:

NONE



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 or 1-800-242-8511
 TOLL FREE
 FAX-A-LOCATE 1-800-338-3860
 TDD (FOR HEARING IMPAIRED) 1-800-542-2289
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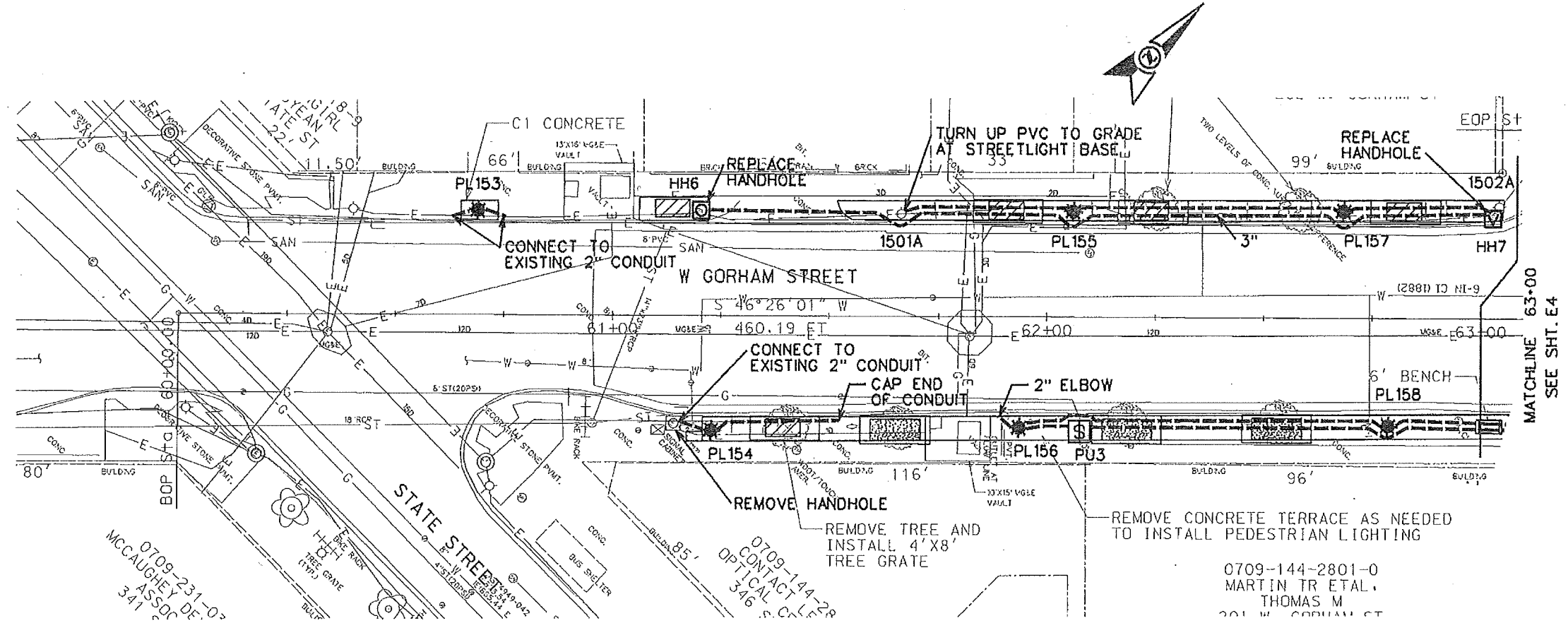


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR:

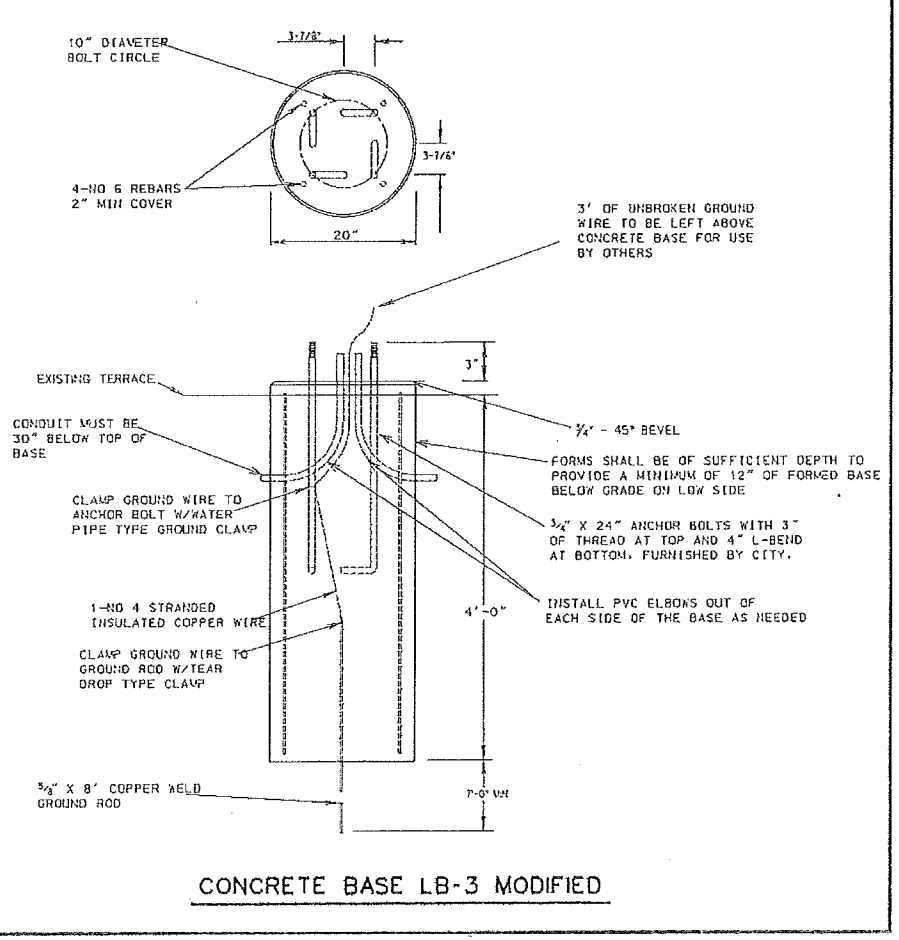
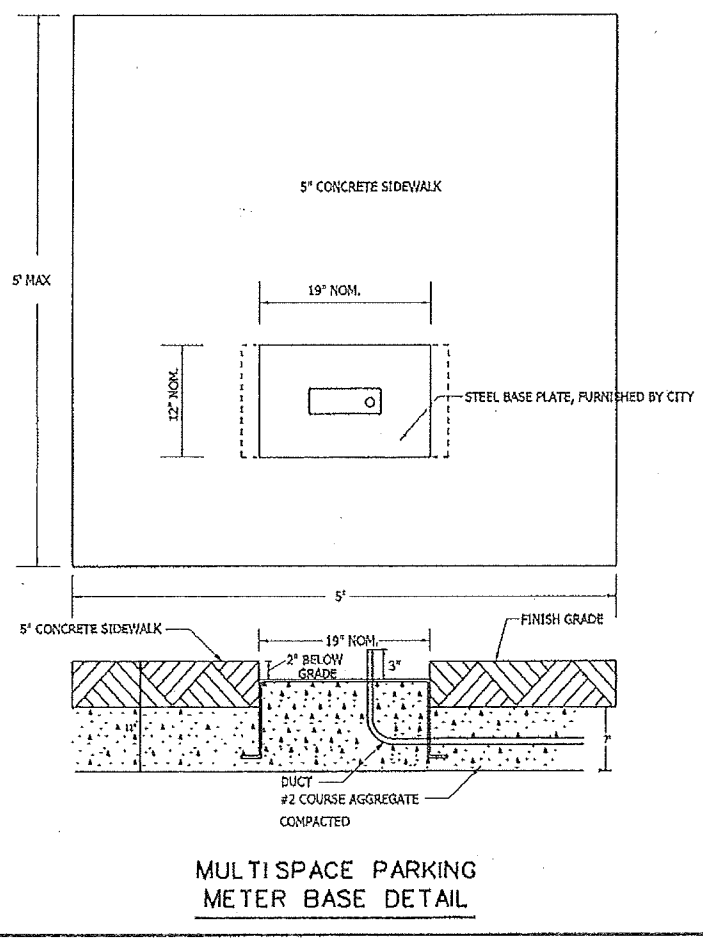
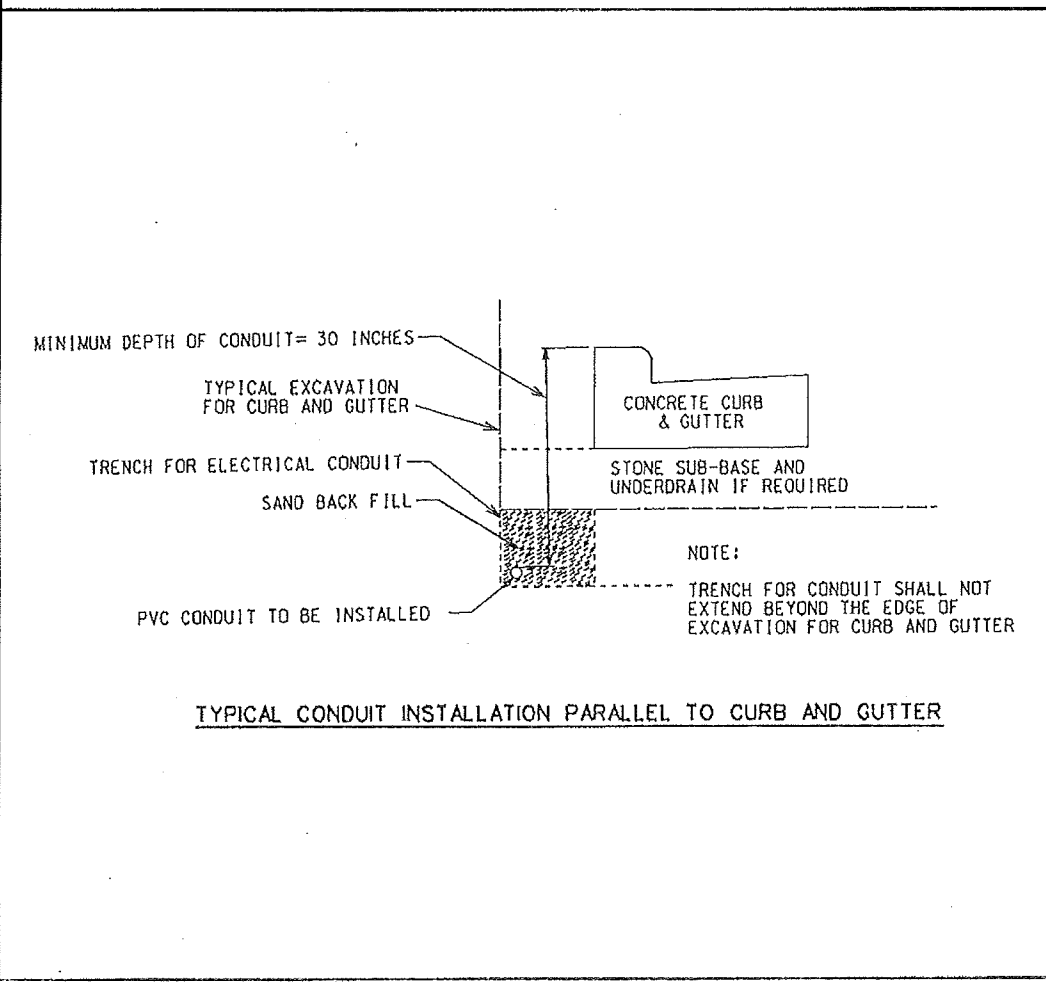
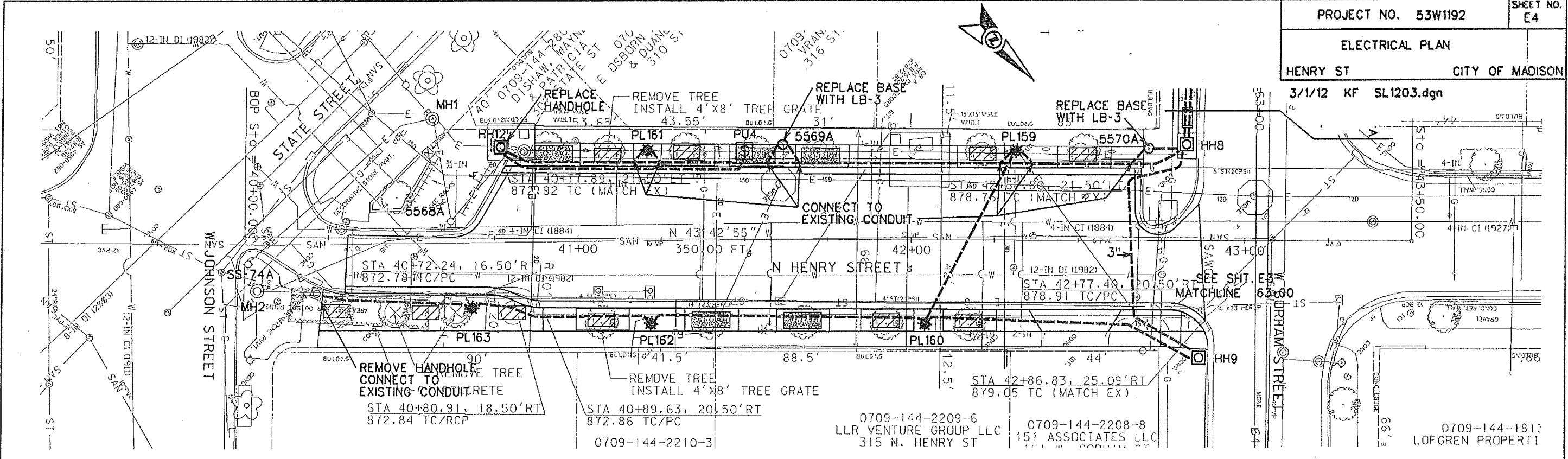


0709-231-07
MCCAUGHEY DE.
341

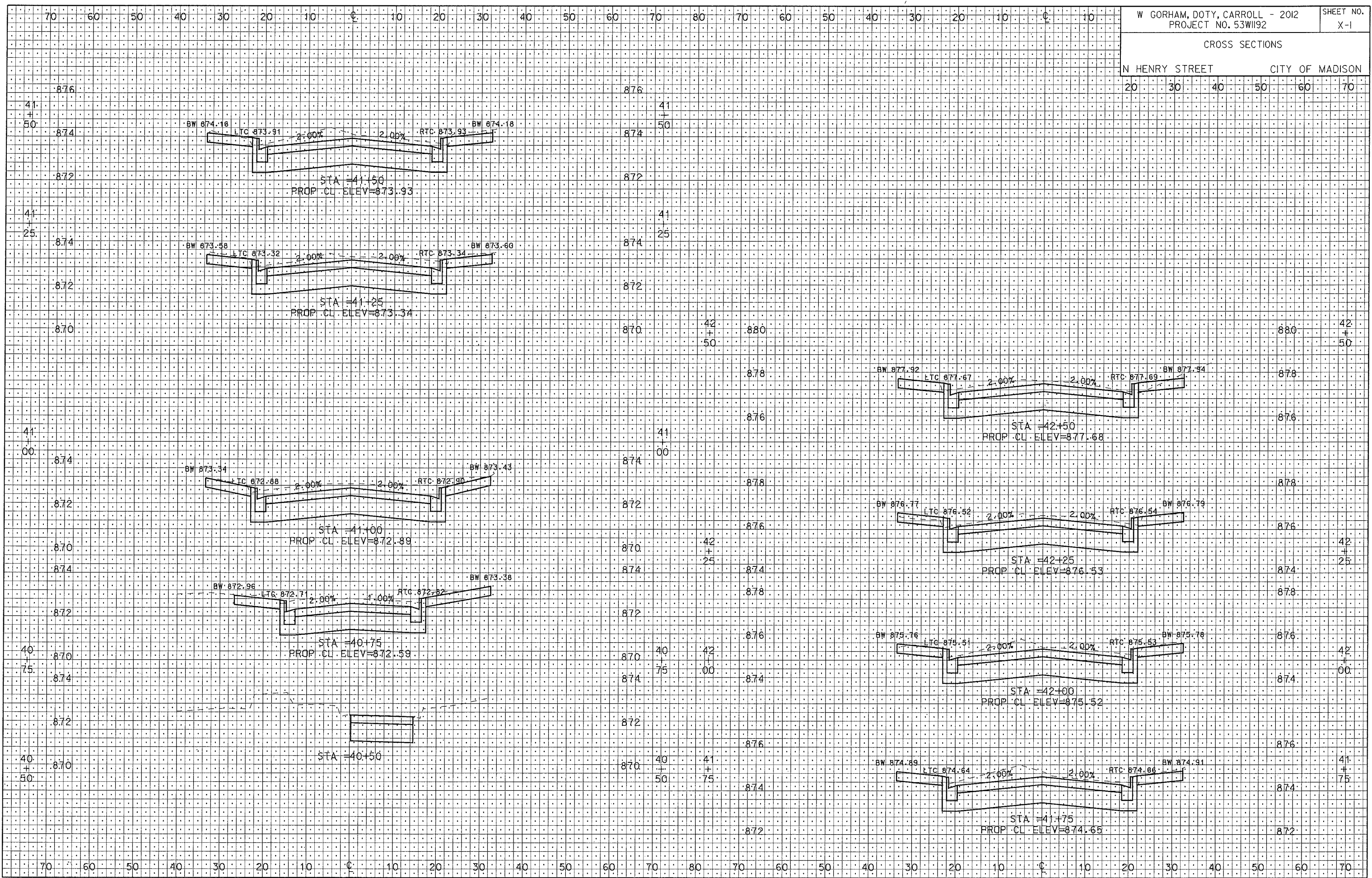
0709-144-28
CONTACT L.E.R.
346

0709-144-2801-0
MARTIN TR ETAL.
THOMAS M
201 W GORHAM ST

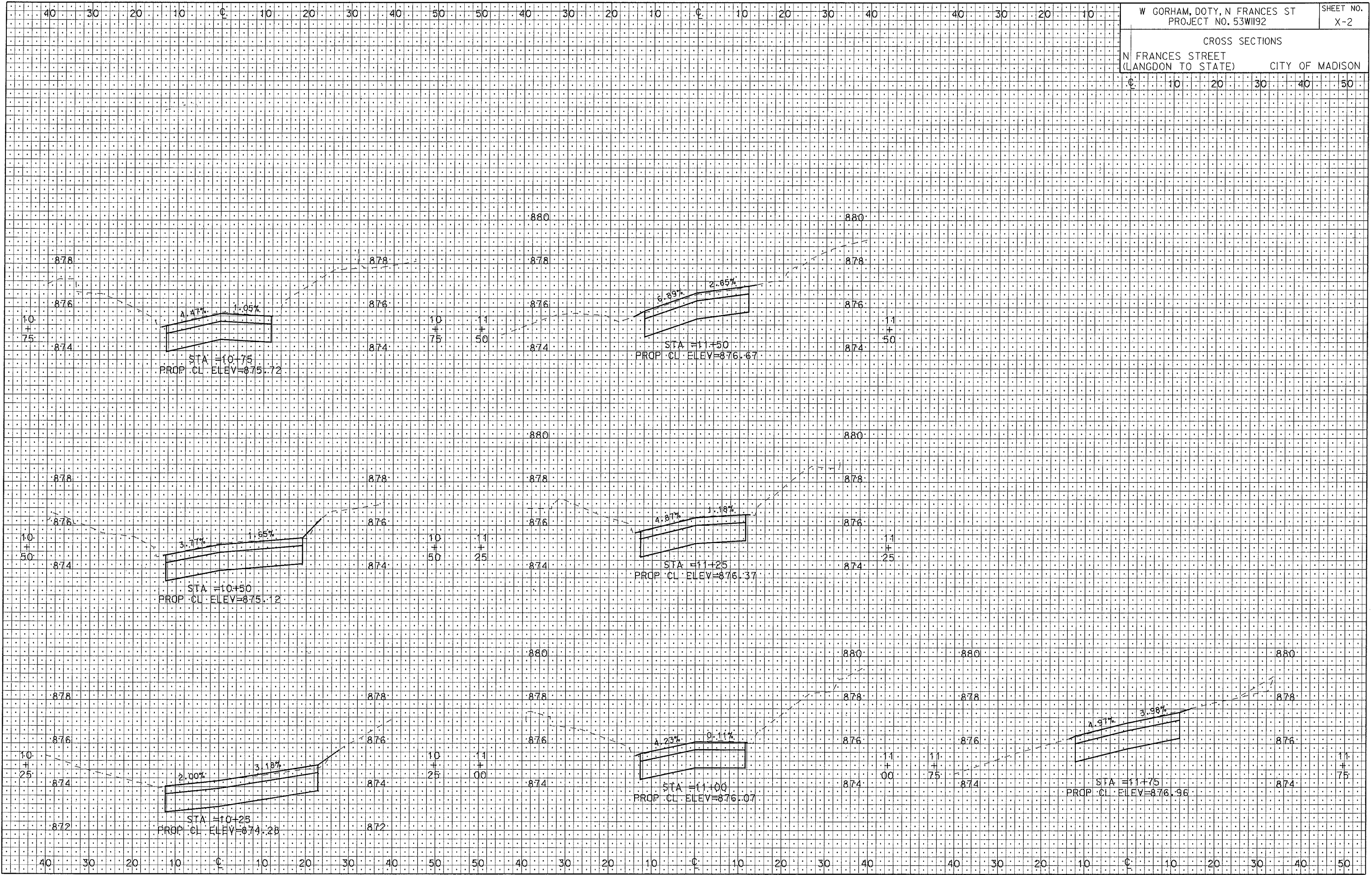
CONSULTANT: CHX OF MADISON, TRAFFIC ENGINEERING



OPERATOR: CHL OF MADISON, TRASEK ENGINEERING



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



PLOT SCALE: 1" = 10'

PLOT NAME: 53W1192

REV. DATE: 2/22/2012

ORIGINATOR: CITY OF MADISON, SIBBEIS, DIVISION