

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

N HANCOCK STREET RECONSTRUCTION

ASSESSMENT DISTRICT-2018

PUBLIC IMPROVEMENT PROJECT APPROVED

SEPTEMBER 5, 2017

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Cheryl B... 9-22-17
City Engineer Date

STREET DESIGNED BY:

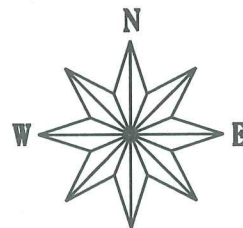


INDEX OF SHEETS

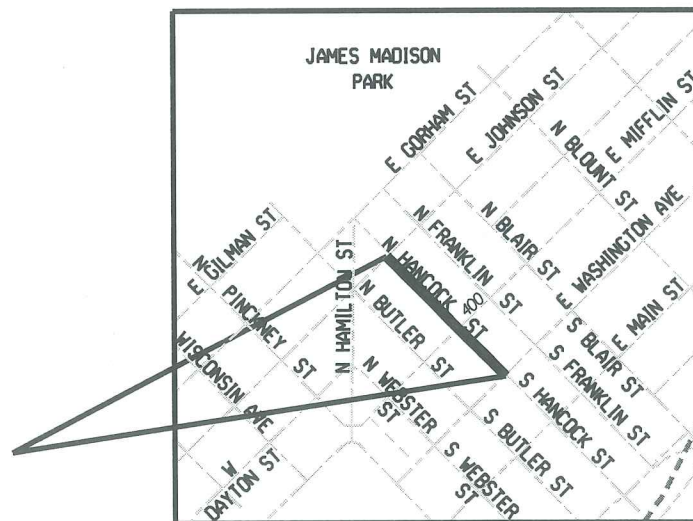
SHEET NO.	TITLE
1	TITLE
DI-D2	DETAILS
EI-E3	ELECTRICAL PLAN
EC1-EC2	EROSION CONTROL PLANS
P1-P3	STREET PLAN & PROFILES
TC-1	TRAFFIC CONTROL PLAN
U1-U2	UTILITY PLAN & PROFILES
U3	SANITARY SEWER SCHEDULES
U4	STORM SEWER SCHEDULES
W1-W2	WATER PLAN & PROFILES
W3	WATER IMPACT PLAN
W4	WATER ESTIMATE OF MATERIALS
X1-X8	CROSS SECTIONS

CITY PROJECT NO. 11469
CITY CONTRACT NO. 7999

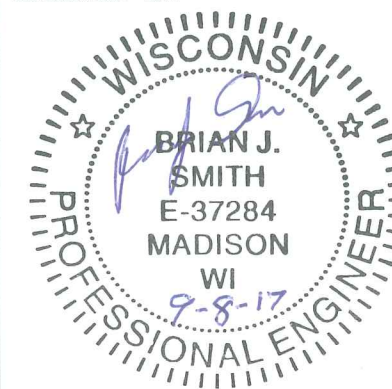
CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	G
STORM SEWER	ST
SANITARY SEWER	SAN
WATER	W
OVERHEAD ELECTRIC	OH
POWER POLE	
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	



CONSTRUCTION PROJECT LOCATION



ELECTRIC DESIGNED BY:



SANITARY SEWER DESIGNED BY:



NOTES:

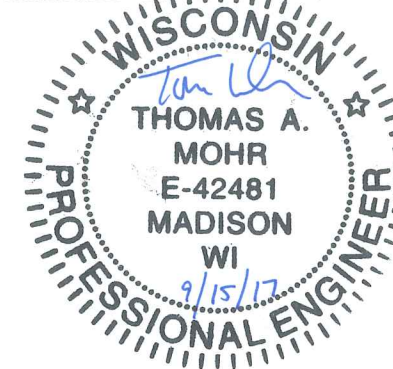
ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

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).....	1700 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT	720 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT.....	2420 C.Y.

STREET GEOMETRICS DESIGNED BY:



STORM SEWER DESIGNED BY:



WATER DESIGNED BY:



PLOT SCALE:

PLOT NAME:

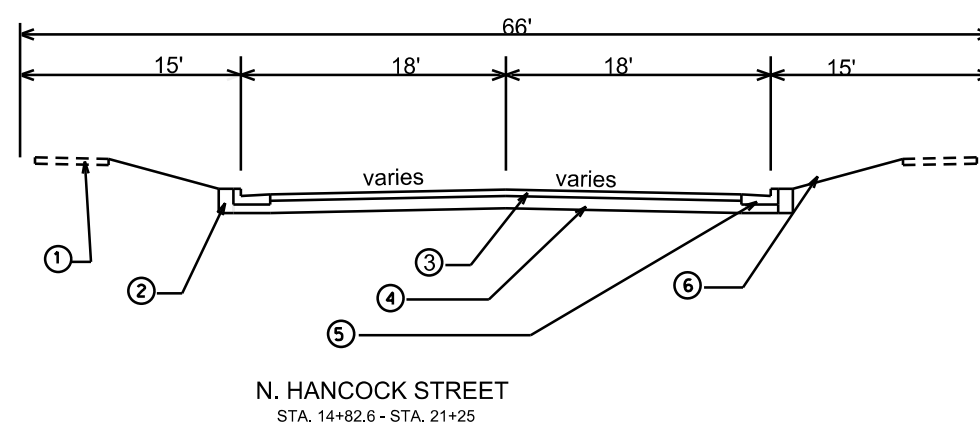
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

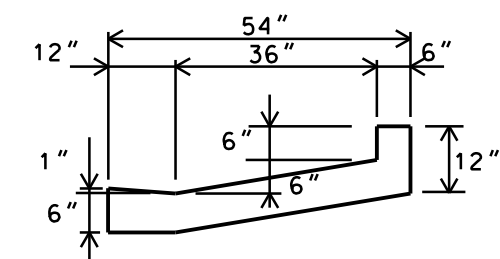
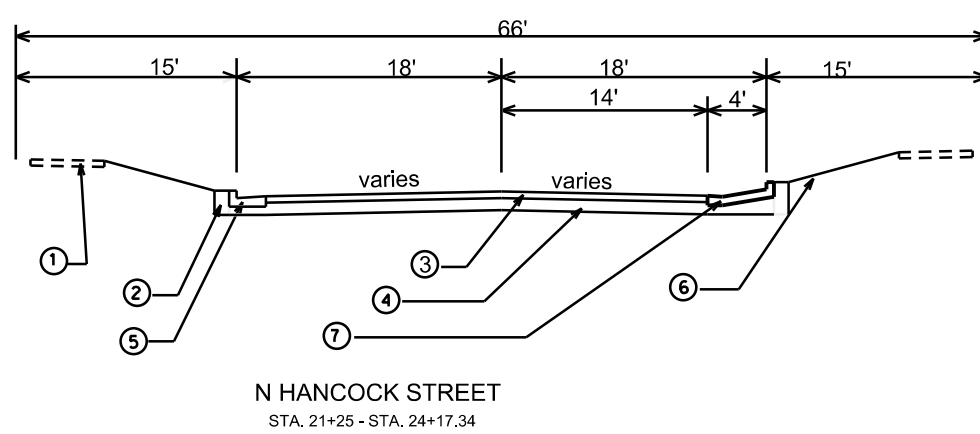
TYPICAL SECTIONS

N HANCOCK ST

CITY OF MADISON



- ① EX. 5" CONC. SW
- ② FILL
- ③ 4-1/4" HMA PAV'T TYPE 1.0
- ④ 4" C.A.B.C.GR. 2
6" C.A.B.C.GR. 1
- ⑤ TYPE A CONC. C&G
- ⑥ 4" TOPSOIL, SEED & MATTING
- ⑦ TYPE "X" MODIFIED CURB



TYPE "X" MODIFIED CURB

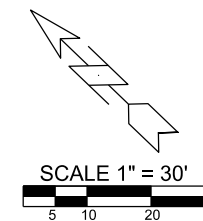
LEVELS ON - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

PLOT SCALE:

PLOT NAME:

REV. DATE:

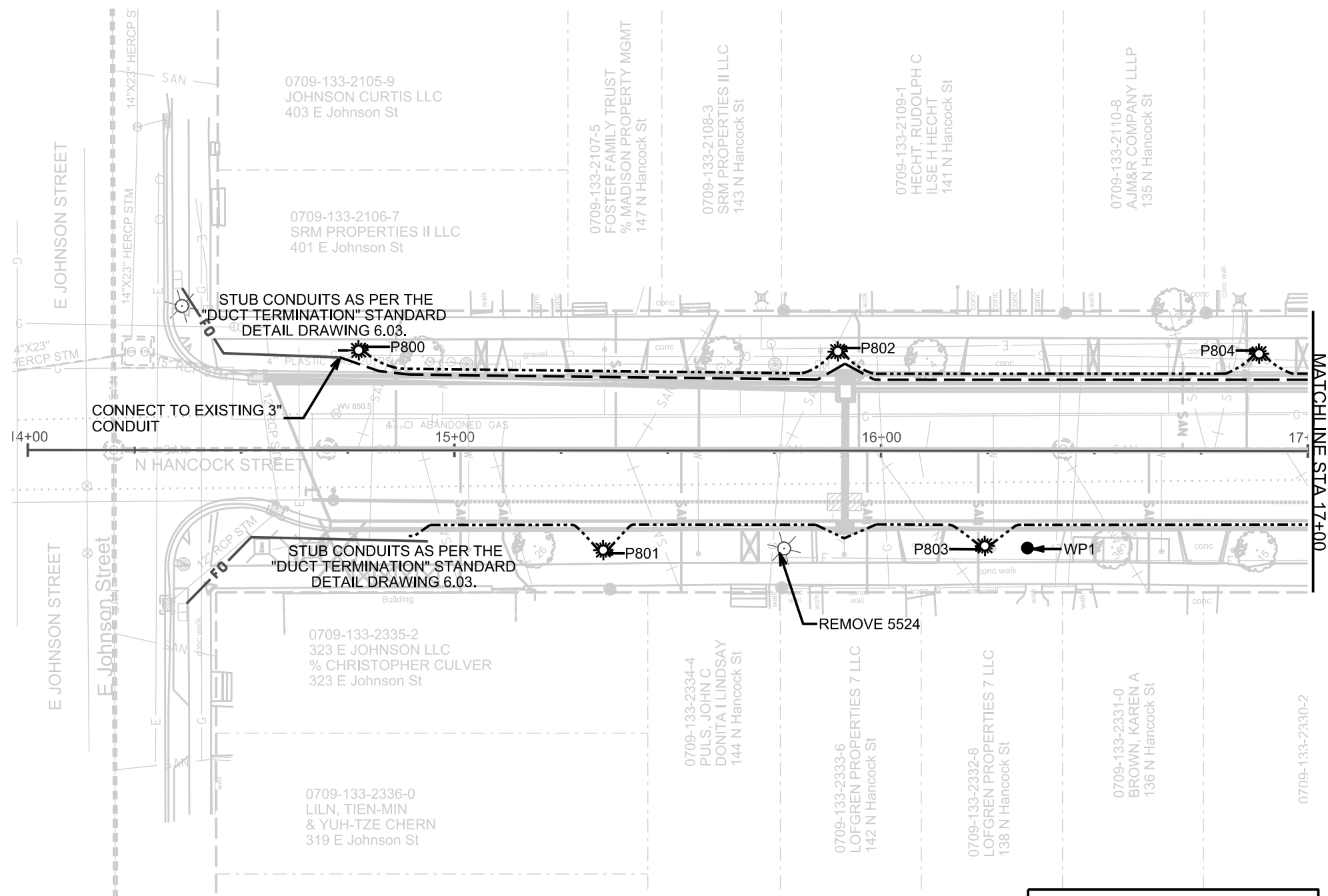
ORIGINATOR:



GENERAL ELECTRIC NOTES

1. ALL LOCATIONS ARE APPROXIMATE. THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS, INCLUDING SETBACK, IN THE FIELD. THE CONTRACTOR SHALL NOTIFY GRETCHEN AVILES PINEIRO (266-4899) CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING BASE LOCATIONS MARKED.
2. BASES INSTALLED IN TERRACE SHALL BE 4' FROM FACE OF CURB 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, 2017 EDITION" AND ALL ADDENDUMS THERETO. ALL CONDUITS SHALL BE PVC, SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE.
4. THE CONTRACTOR SHALL CALL TROY VANT (395-1975) 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.
5. THE CONTRACTOR SHALL ARRANGE FOR PICKUP OF THE FOLLOWING CITY FURNISHED MATERIALS, WHICH SHOULD BE ARRANGED FOR PICKUP BY CALLING DENNIS ROWE, TRAFFIC ENGINEERING SHOP, 266-9034, 1120 SAYLE ST, AT LEAST 24-HOURS PRIOR TO NEEDING MATERIALS:

3/4"X24" ANCHOR BOLTS: 17 SETS OF 4 FOR LB-1 BASES
1"X40" ANCHOR BOLTS: 2 SETS OF 4 FOR LB-3 BASES



LEGEND	
	LB-1 BASE
	HANDHOLE TYPE 1
	LB-3 BASE
	(1) - 2" CONDUIT*
	(1) - 3" CONDUIT*
	FIBER CONDUIT**
	TEMP WOOD POLE***
	**APPROXIMATE LOCATION

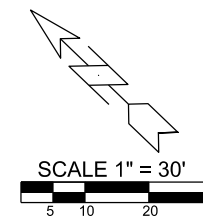
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PLOT NAME:

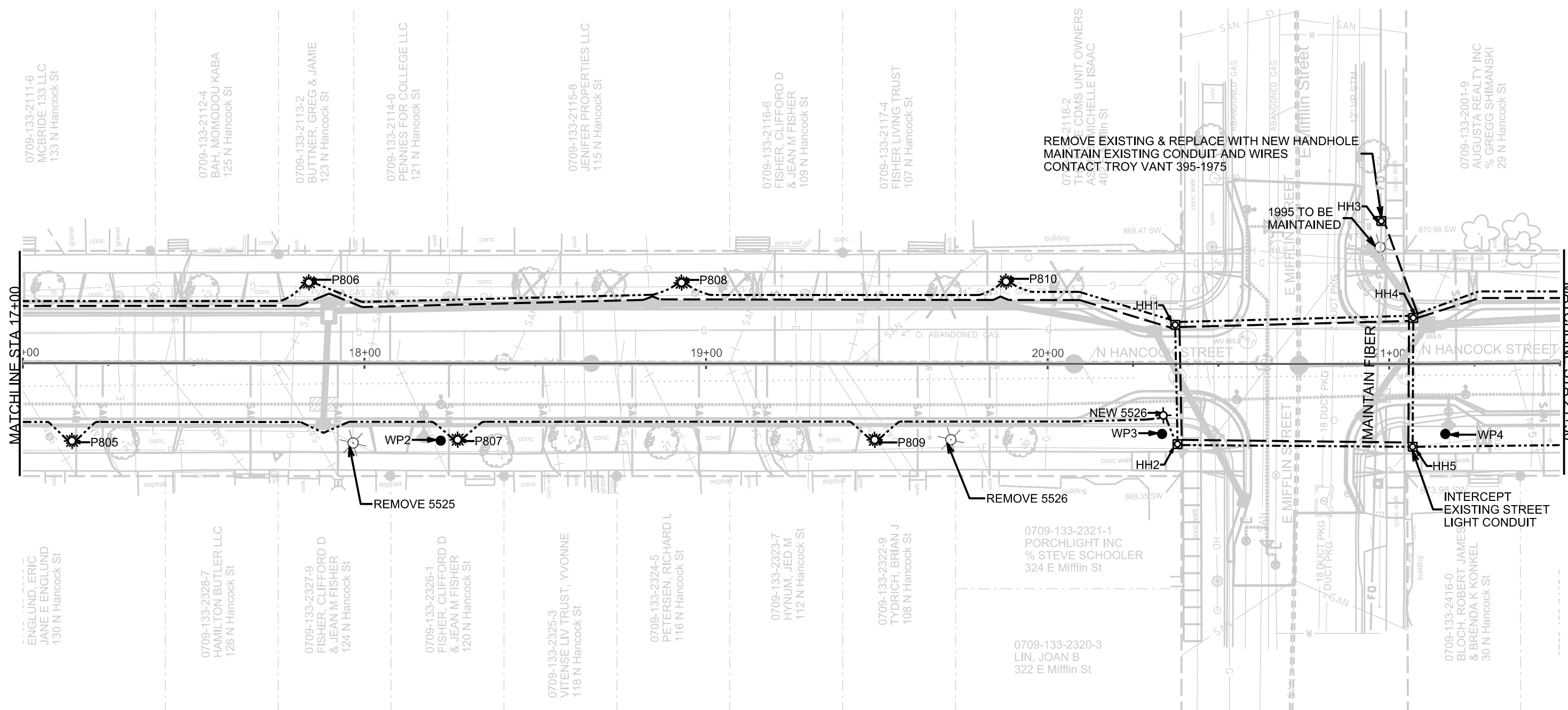
REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

ELECTRICAL PLAN
STREET LIGHTS
CITY OF MADISON



PLOT SCALE:
 PLOT NAME:
 REV. DATE:
 ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



REMOVE EXISTING & REPLACE WITH NEW HANDHOLE
MAINTAIN EXISTING CONDUIT AND WIRES
CONTACT TROY VANT 395-1975

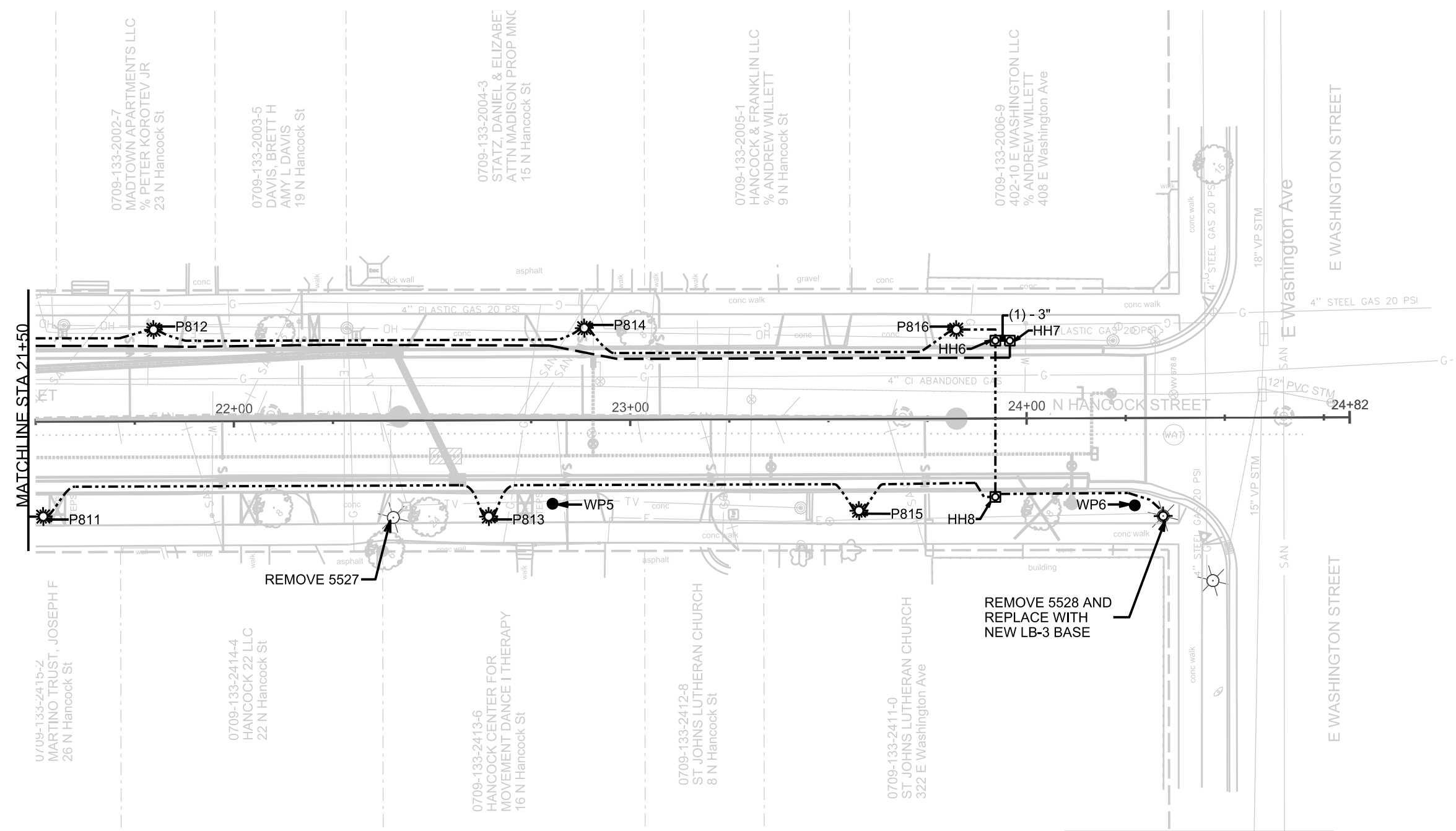
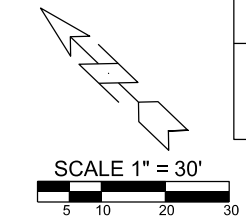
1995 TO BE MAINTAINED

INTERCEPT EXISTING STREET LIGHT CONDUIT

LEGEND

- LB-1 BASE
- HANDHOLE TYPE 1
- LB-3 BASE
- (1) - 2" CONDUIT*
*UNLESS NOTED AS OTHER
- (1) - 3" CONDUIT*
*UNLESS NOTED AS OTHER
- FIBER CONDUIT**
**EXISTING
- TEMP WOOD POLE***
***APPROXIMATE LOCATION

ELECTRICAL PLAN
STREET LIGHTS
CITY OF MADISON



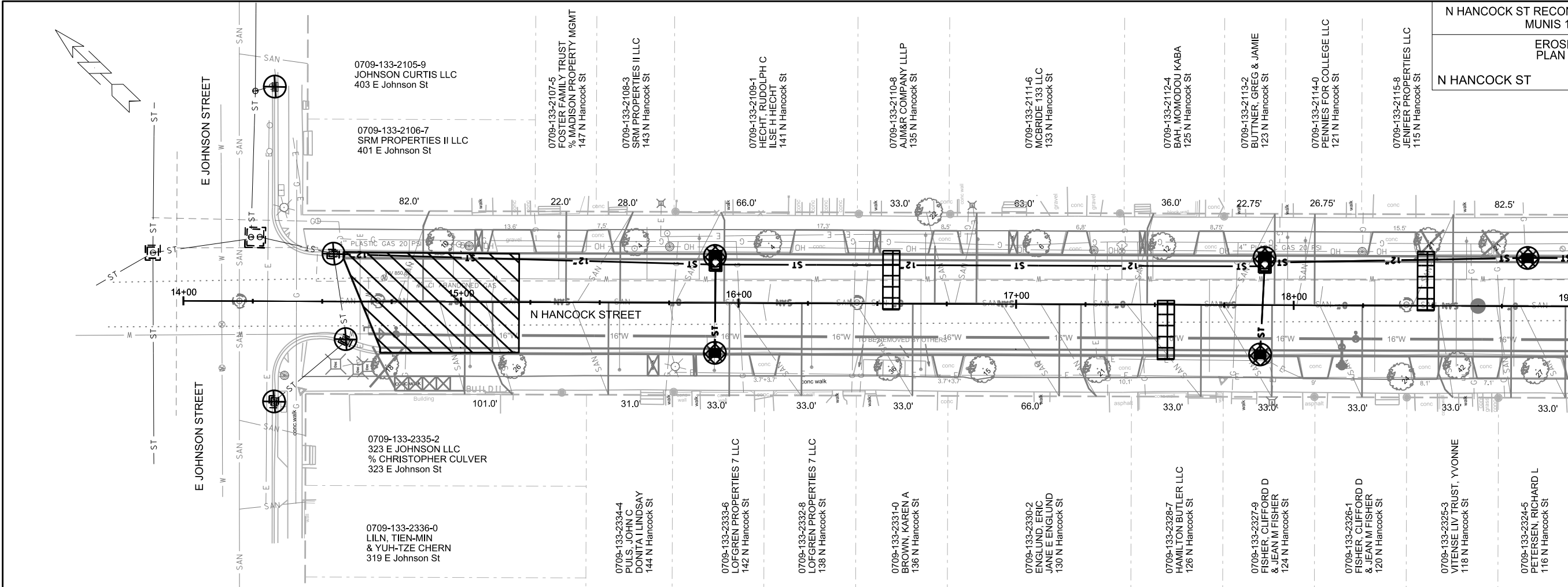
LEGEND	
	LB-1 BASE
	HANDHOLE TYPE 1
	LB-3 BASE
	(1) - 2" CONDUIT*
	(1) - 3" CONDUIT*
	FIBER CONDUIT**
	TEMP WOOD POLE***
	*UNLESS NOTED AS OTHER
	**EXISTING
	***APPROXIMATE LOCATION

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



EROSION CONTROL NOTES:

EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.



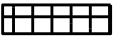


THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

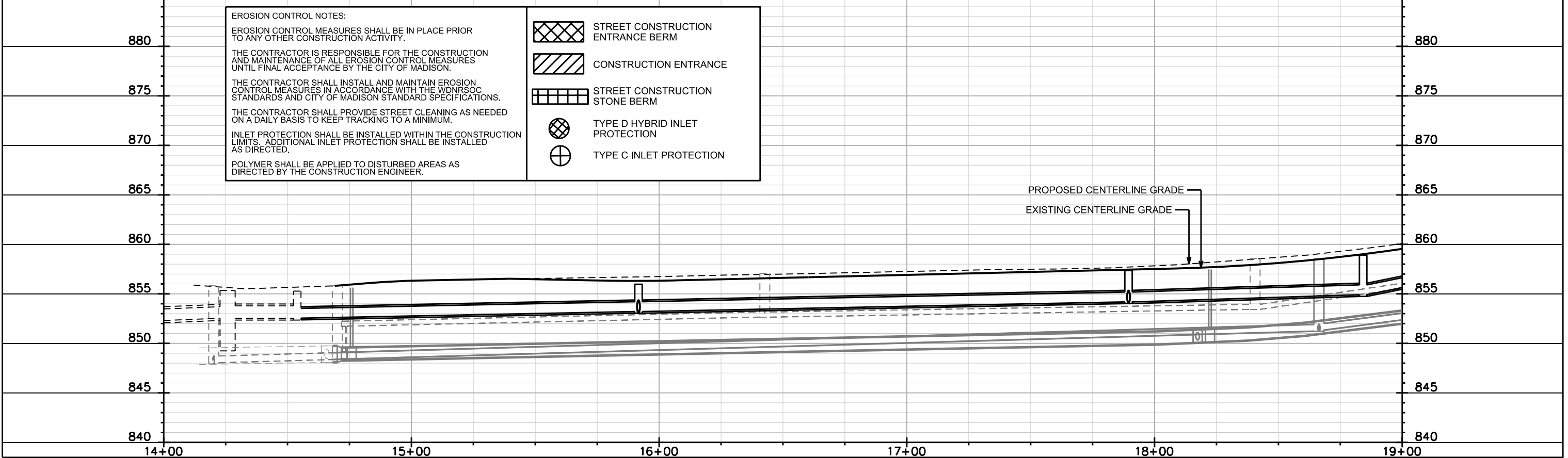
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

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

INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.

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

-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  STREET CONSTRUCTION STONE BERM
-  TYPE D HYBRID INLET PROTECTION
-  TYPE C INLET PROTECTION



MATCHLINE STA 19+00.00

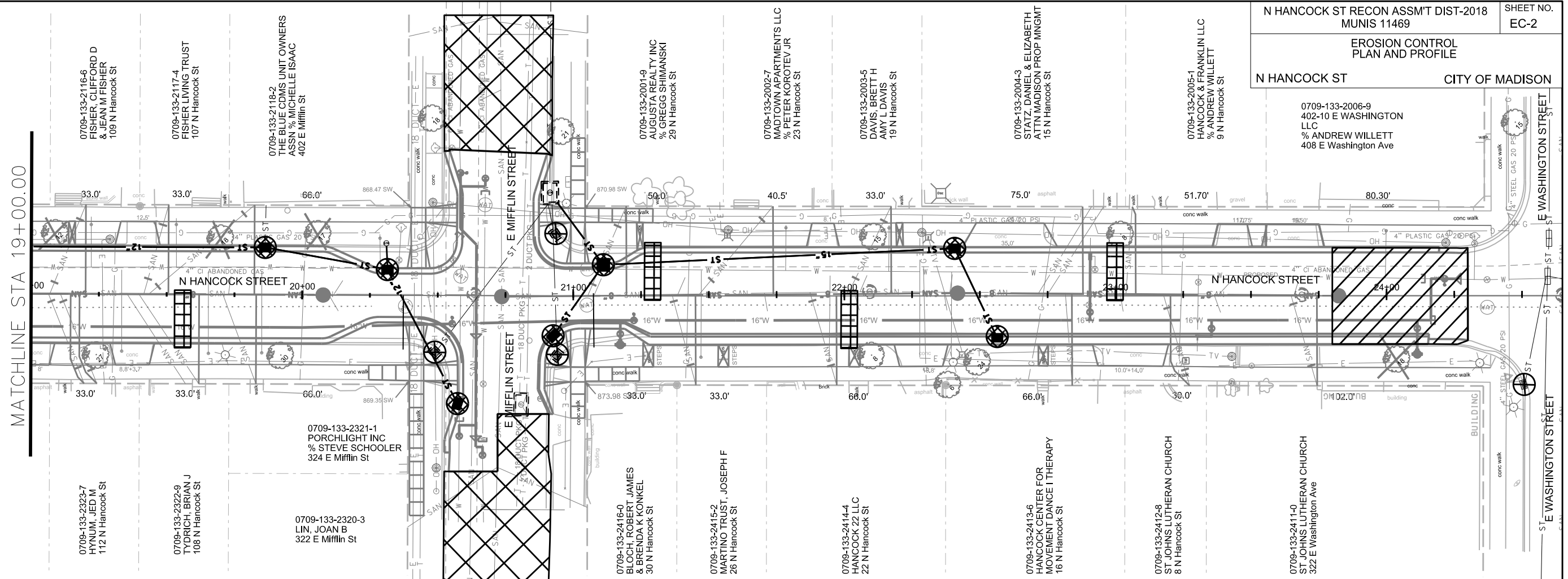
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

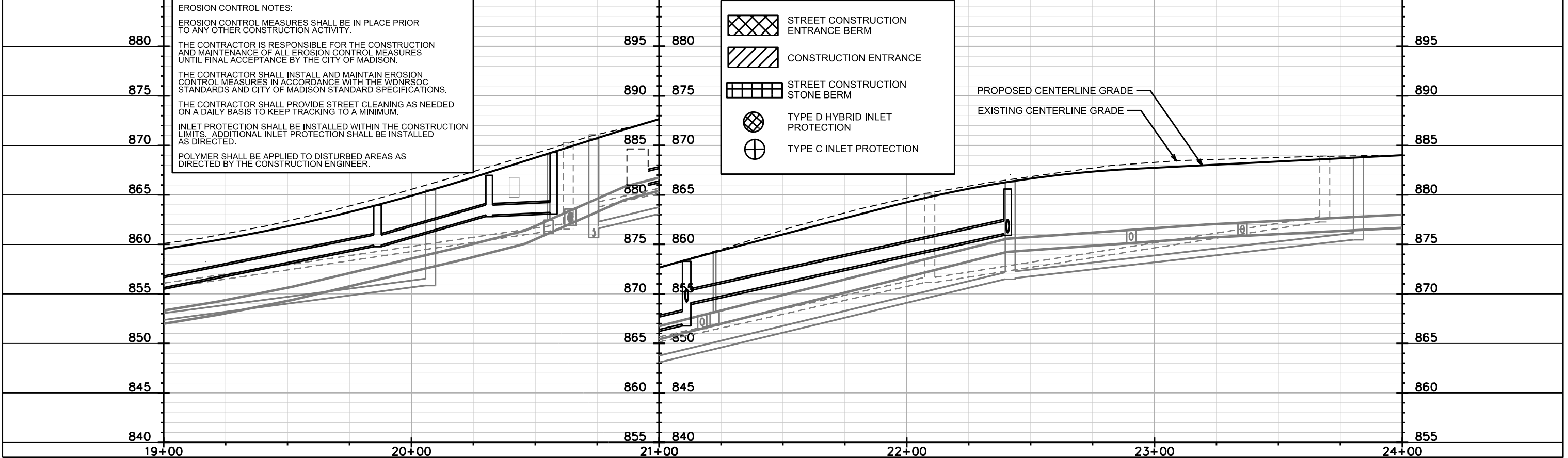
0709-133-2006-9
402-10 E WASHINGTON
LLC
% ANDREW WILLETT
408 E Washington Ave



EROSION CONTROL NOTES:
 EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.
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	STREET CONSTRUCTION ENTRANCE BERM
	CONSTRUCTION ENTRANCE
	STREET CONSTRUCTION STONE BERM
	TYPE D HYBRID INLET PROTECTION
	TYPE C INLET PROTECTION

PROPOSED CENTERLINE GRADE
 EXISTING CENTERLINE GRADE

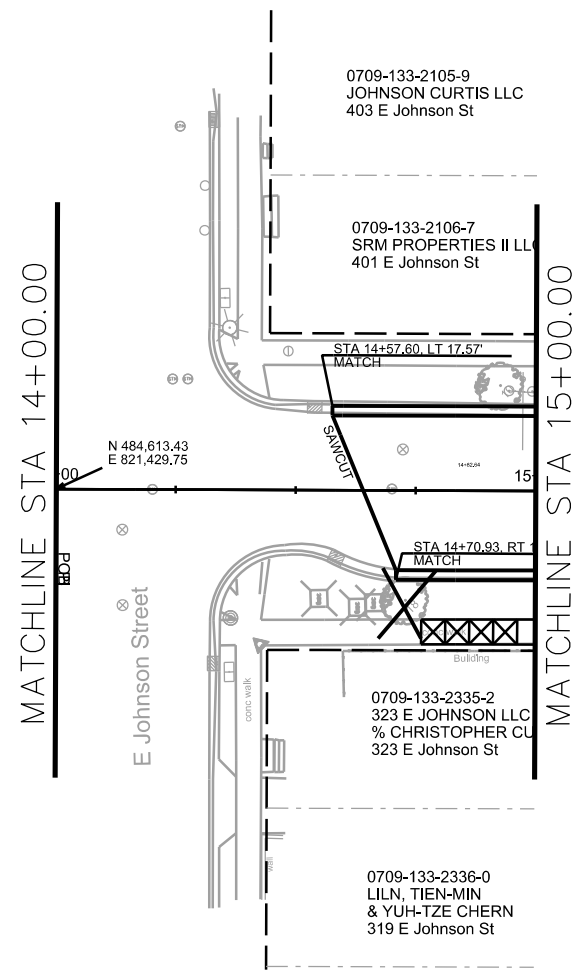
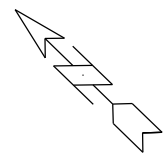


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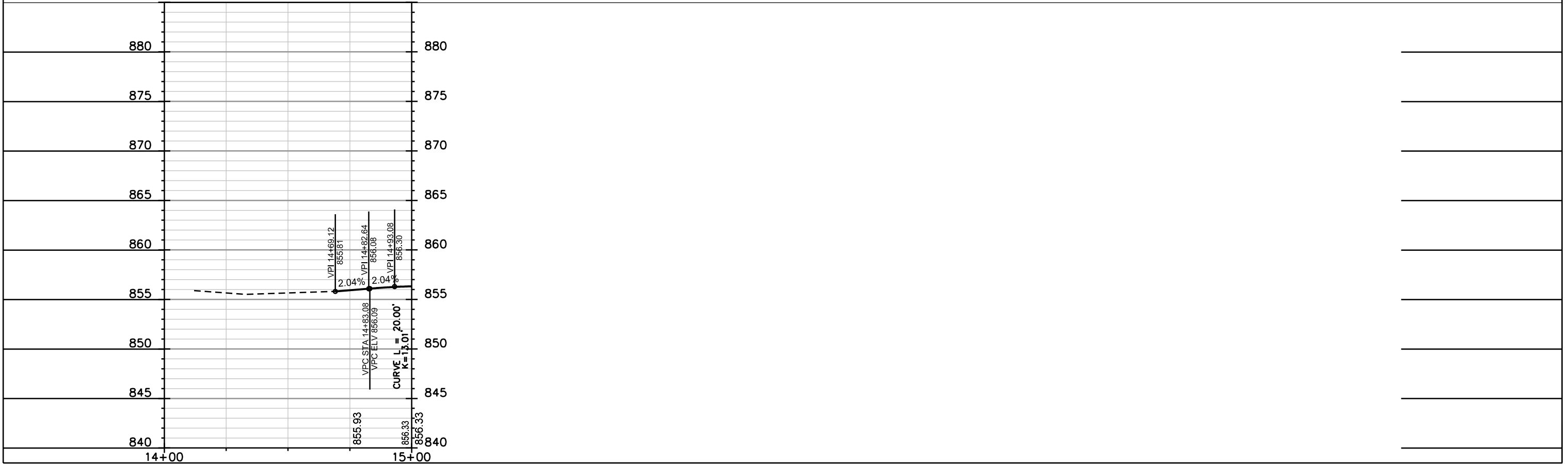


PLOT SCALE: _____

PLOT NAME: _____

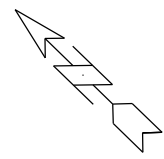
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



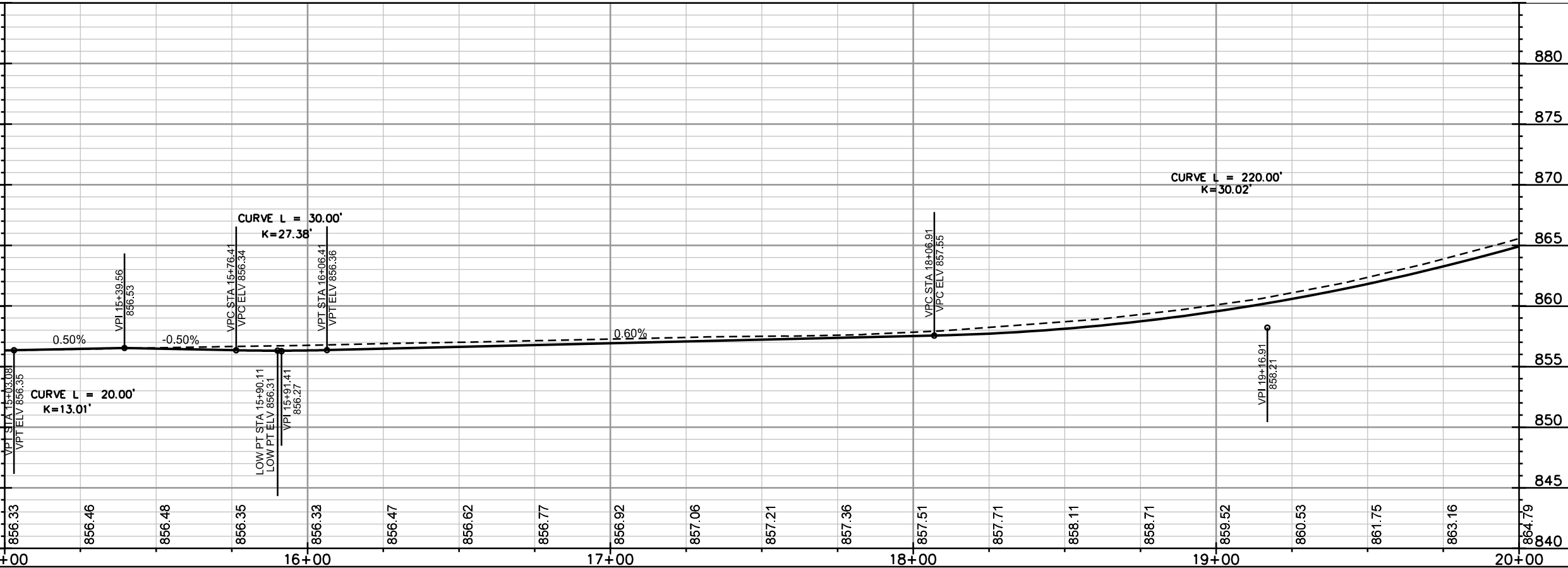
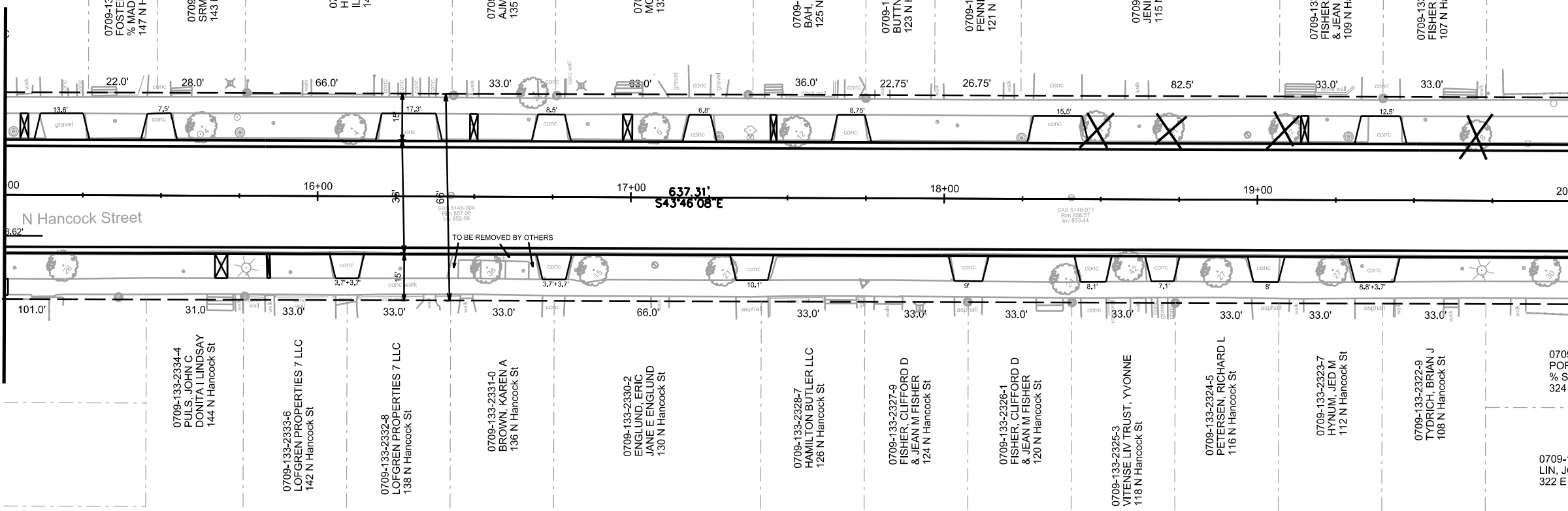
PLAN AND PROFILE

N HANCOCK ST CITY OF MADISON



MATCHLINE STA 15+00.00

MATCHLINE STA 20+00.00

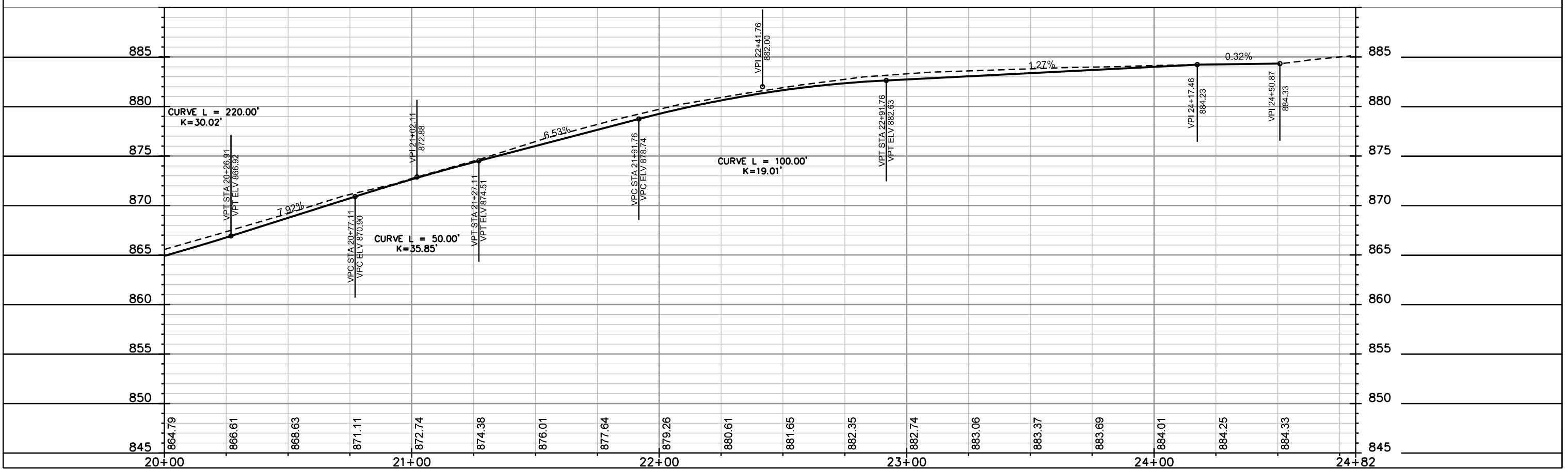
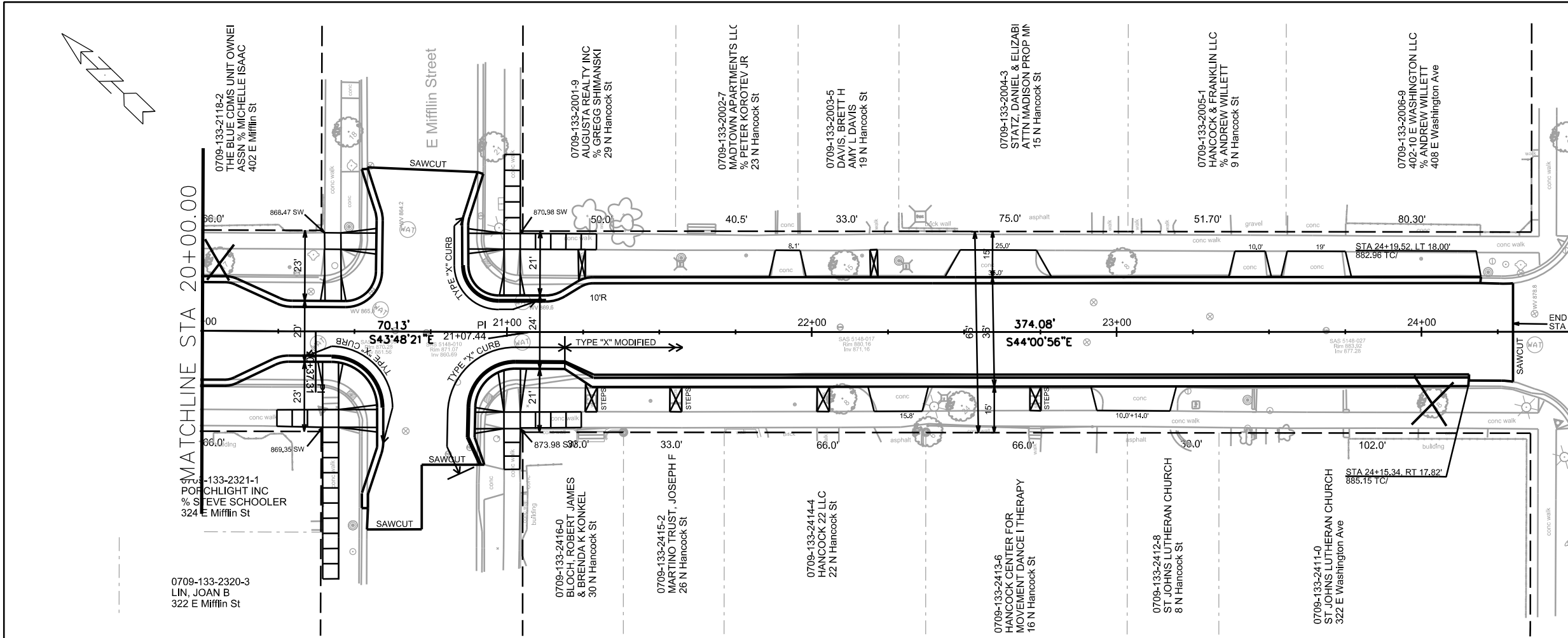


PLOT SCALE: _____

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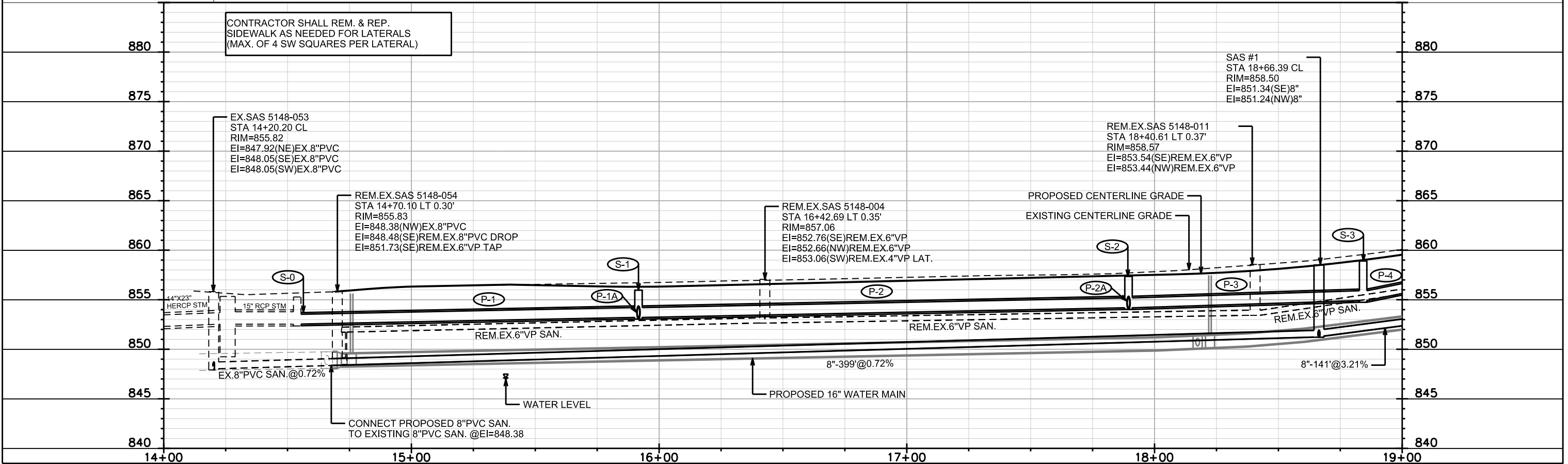
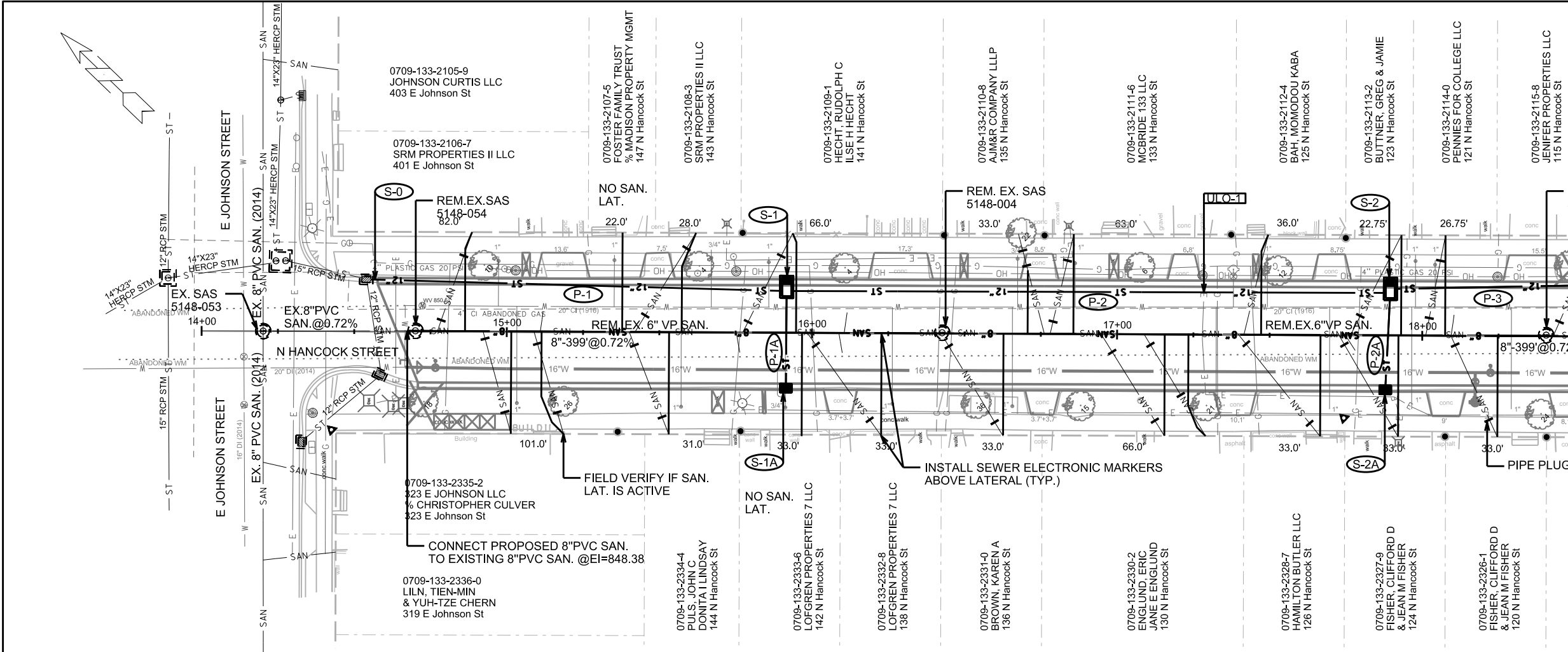


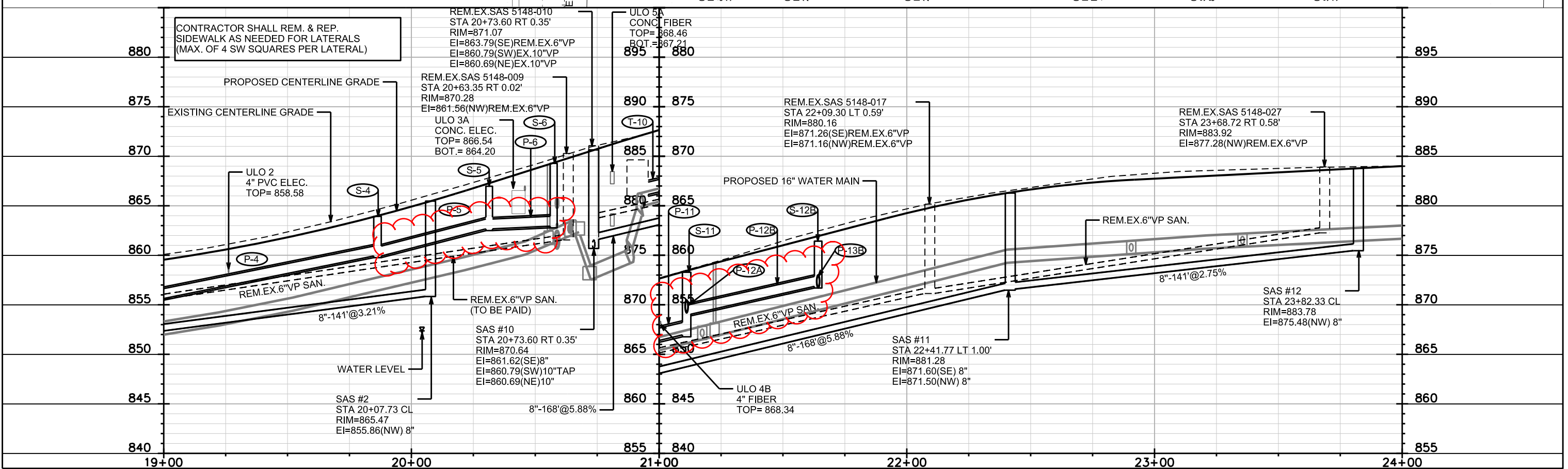
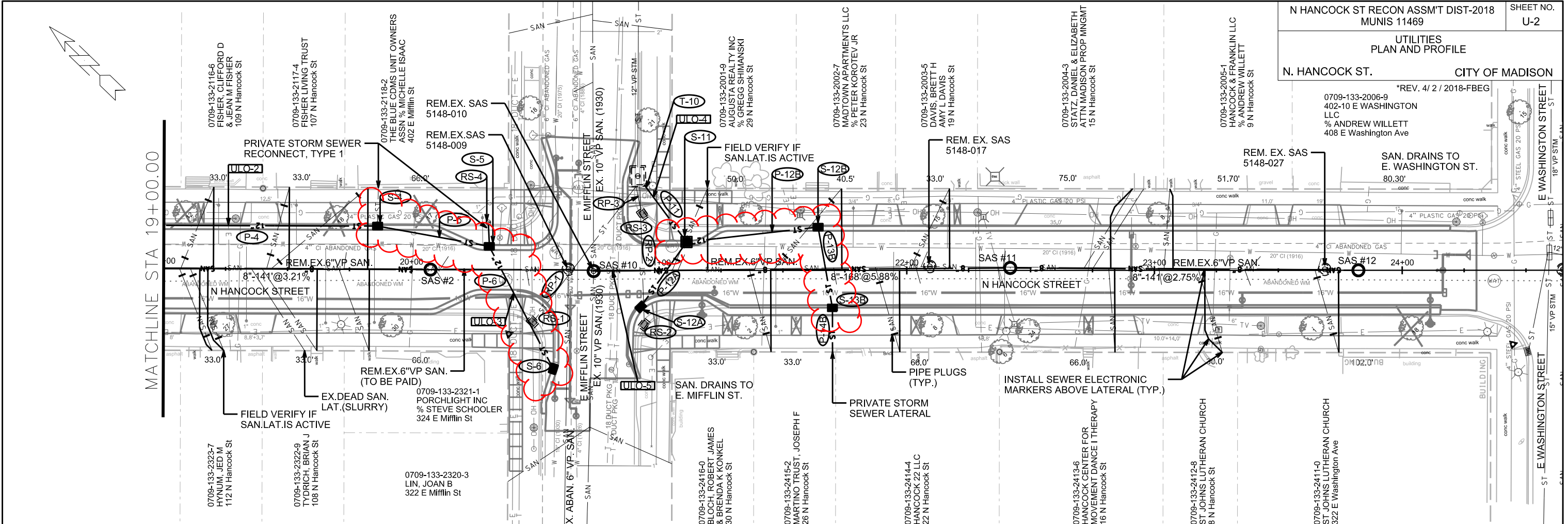
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





SANITARY SEWER SCHEDULE

N HANCOCK ST RECON ASSMT DIST-2018	SHEET NO.
MUNIS 11469	U-3
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
N. HANCOCK STREET						
SAS #1	18+66.39	CL	858.50	851.24	7.26	-
SAS #2	20+07.73	CL	865.47	855.86	9.61	-
SAS #10	20+73.60	RT-0.35	870.64	860.69	9.95	-
SAS #11	22+41.77	LT-1.00	881.28	871.50	9.78	-
SAS #12	23+82.33	CL	883.78	875.48	8.30	-

REMOVE OR ABANDON STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
N. HANCOCK STREET						
EX. SAS 5148-054	14+70.10	LT-0.30	855.83	848.38	7.45	REMOVE
EX. SAS 5148-004	16+42.69	LT-0.35	857.06	852.66	4.40	REMOVE
EX. SAS 5148-011	18+40.61	LT-0.37	858.57	853.44	5.13	REMOVE
EX. SAS 5148-009	20+63.35	RT-0.02	870.28	861.56	8.72	REMOVE
EX. SAS 5148-010	20+73.60	RT-0.35	871.07	860.69	10.38	REMOVE
EX. SAS 5148-017	22+09.30	LT-0.59	880.16	871.16	9.00	REMOVE
EX. SAS 5148-027	23+68.72	RT-0.58	883.92	877.28	6.64	REMOVE

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
N. HANCOCK STREET								
STA 14+67.60	LT 0.30	SAS #1	848.38	851.24	399	0.72%	8"	ASTM D3034 SDR-35
SAS #1	SAS #2	851.34	855.86	141	3.21%	8"	ASTM D3034 SDR-35	
SAS #10	SAS #11	861.62	871.50	168	5.88%	8"	ASTM D3034 SDR-35	
SAS #11	SAS #12	871.60	875.48	141	2.75%	8"	ASTM D3034 SDR-35	

SANITARY SEWER REMOVALS AND ABANDONMENTS

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	LENGTH Feet	PAID (Y/N)	PLAN (PAY) LGTH (FT)	SIZE (DIA in)	PIPE TYPE	NOTES
N. HANCOCK STREET							
EX SAS 5148-054	EX. SAS 5148-004	173	N	0	6"	VP	REMOVE SANITARY
EX SAS 5148-004	EX. SAS 5148-011	198	N	0	6"	VP	REMOVE SANITARY
EX SAS 5148-011	SAS #2	171	N	0	6"	VP	REMOVE SANITARY
SAS #2	EX. SAS 5148-009	52	Y	52	6"	VP	REMOVE SANITARY
EX SAS 5148-010	EX. SAS 5148-017	136	N	0	6"	VP	REMOVE SANITARY
EX SAS 5148-017	EX. SAS 5148-027	159	N	0	6"	VP	REMOVE SANITARY

STORM SEWER SCHEDULE

* REVISED 4 / 2 / 2018-FBEG

N HANCOCK ST RECON ASSM'T DIST-2018	SHEET NO.
MUNIS 11469	U-4
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
N. HANCOCK STREET							
S-0	14+25.80	LT-22.94	STM TAP	-	852.54	-	TAP EX. IN 5148-118
S-1	15+91.67	LT-15.17	3'X6' SAS	855.97	853.21	2.76	LP; FP; w/ R-3067-7004-VB; [2]
S-1A	15+91.53	RT-17.98	H INLET	856.32	853.32	3.00	LP; w/ R-3067-7004-VB
S-2	17+89.51	LT-15.33	3'X6' SAS	857.35	854.19	3.16	w/ R-3067-7004-V; [2]
S-2A	17+87.96	RT-17.76	H INLET	857.75	854.75	3.00	w/ R-3067-7004-V
S-3	18+84.21	LT-17.40	H INLET	858.91	854.91	4.00	w/ R-3067-7004-V
S-4	19+86.30	LT-17.48	H INLET	863.93	859.93	4.00	w/ R-3067-7004-V; [3]
* S-5	20+31.40	LT-9.50	H INLET	866.97	862.67	4.30	w/ R-3067-7004-V; [3]
* S-6	20+57.44	RT-39.87	H INLET	869.28	862.94	6.34	w/ R-3067-7004-V
* T-10	20+91.29	LT-38.06	STM TAP	-	866.14	-	TAP EX. AS 5148-018
S-11	21+11.11	LT-11.50	3'X3' SAS	873.29	866.95	6.34	w/ R-3067-7004-V
* S-12A	20+92.61	RT-14.75	H INLET	873.01	869.67	3.34	LP; w/ R-3290-A; [1]
* S-12B	21+64.21	LT-17.50	H INLET	876.42	871.86	4.56	w/ R-3067-7004-V
* S-13B	21+69.99	RT-15.11	H INLET	878.01	873.01	5.00	w/ R-3290-A; [1]

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
N. HANCOCK STREET										
P-1	S-0	S-1	852.54	853.21	138.0	135.0	0.50%	12"	RCP	[5]
P-1A	S-1	S-1A	853.21	853.32	33.0	29.0	0.38%	12"	RCP	-
P-2	S-1	S-2	853.21	854.19	198.0	195.0	0.50%	12"	RCP	[5]; [6]
P-2A	S-2	S-2A	854.19	854.75	33.0	29.0	1.93%	12"	RCP	-
P-3	S-2	S-3	854.19	854.91	93.0	91.5	0.79%	12"	RCP	-
P-4	S-3	S-4	854.91	859.93	100.5	99.0	5.07%	12"	RCP	-
* P-5	S-4	S-5	859.93	862.67	46.0	43.0	6.37%	12"	RCP	-
* P-6	S-5	S-6	862.67	862.94	56.0	53.5	0.50%	12"	RCP	-
* P-11	T-10	S-11	866.14	866.95	33.0	27.0	3.00%	15"	RCP	-
* P-12A	S-11	S-12A	869.34	869.67	32.0	28.5	1.16%	12"	RCP	-
* P-12B	S-11	S-12B	869.04	871.86	53.5	50.5	5.58%	12"	RCP	-
* P-13B	S-12B	S-13B	871.86	873.01	33.0	31.0	3.71%	12"	RCP	-
* P-14B	S-13B	STA 21+70.07 RT 32.92	873.26	874.94	18.0	17.0	9.88%	8"	PVC	[7]

STORM STRUCTURE REMOVALS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET) FT	TYPE	NOTES
N. HANCOCK STREET					
RS-1	IN 5148-020	20+49.06	RT-20.90	H INLET	-
RS-2	IN 5148-021	20+94.01	RT-21.83	H INLET	-
RS-3	IN 5148-019	20+93.33	LT-22.67	H INLET	-
RS-4	NO ID	20+30.98	LT-19.16	SCUPPER	[4]

STORM SEWER REMOVALS

REMOVE NO.	REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	PIPE SIZE	TYPE	NOTES
N. HANCOCK STREET							
RP-1	S-10	RS-1	68.0	Y	12"	VP	-
RP-2	S-10	RS-2	54.0	Y	12"	VP	-
RP-3	S-10	RS-3	10.0	Y	12"	VP	-

ULOs

NO.	STATION	LOCATION	TYPE	NOTES
N. HANCOCK STREET				
ULO-1	17+28.39	LT-13.95	ELEC.	-
ULO-2	19+26.09	LT-17.73	ELEC.	-
ULO-3	20+41.35	RT-9.37	ELEC.	-
ULO-4	20+97.65	LT-29.52	GAS	-
ULO-5	20+81.57	RT-0.26	TEL.	-

* 6 UNDISTRIBUTED ULOS

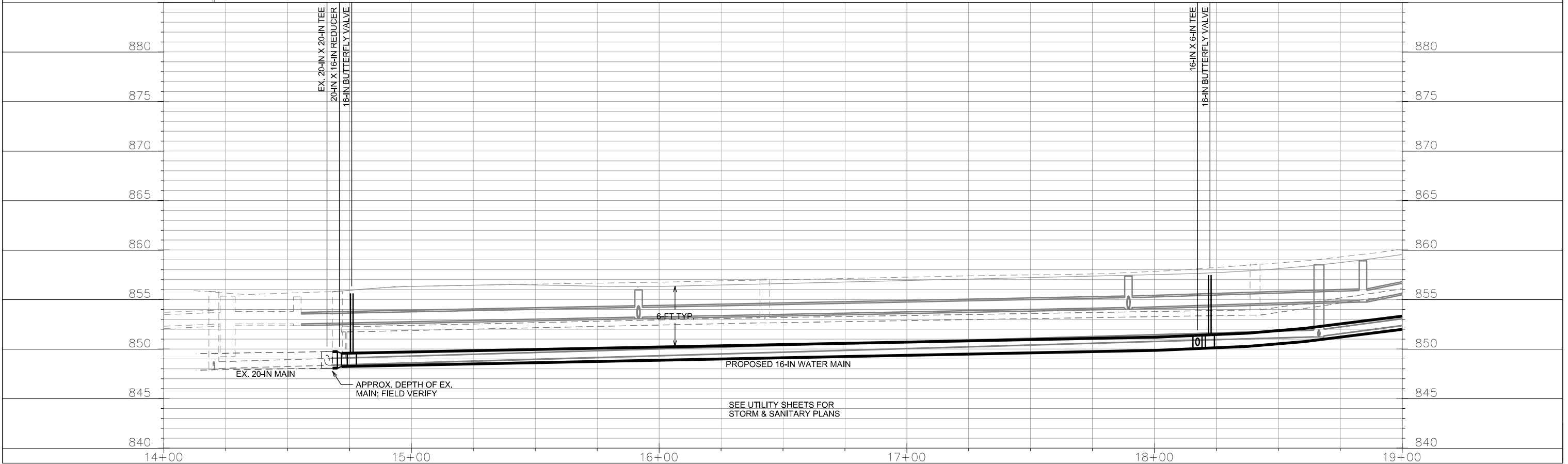
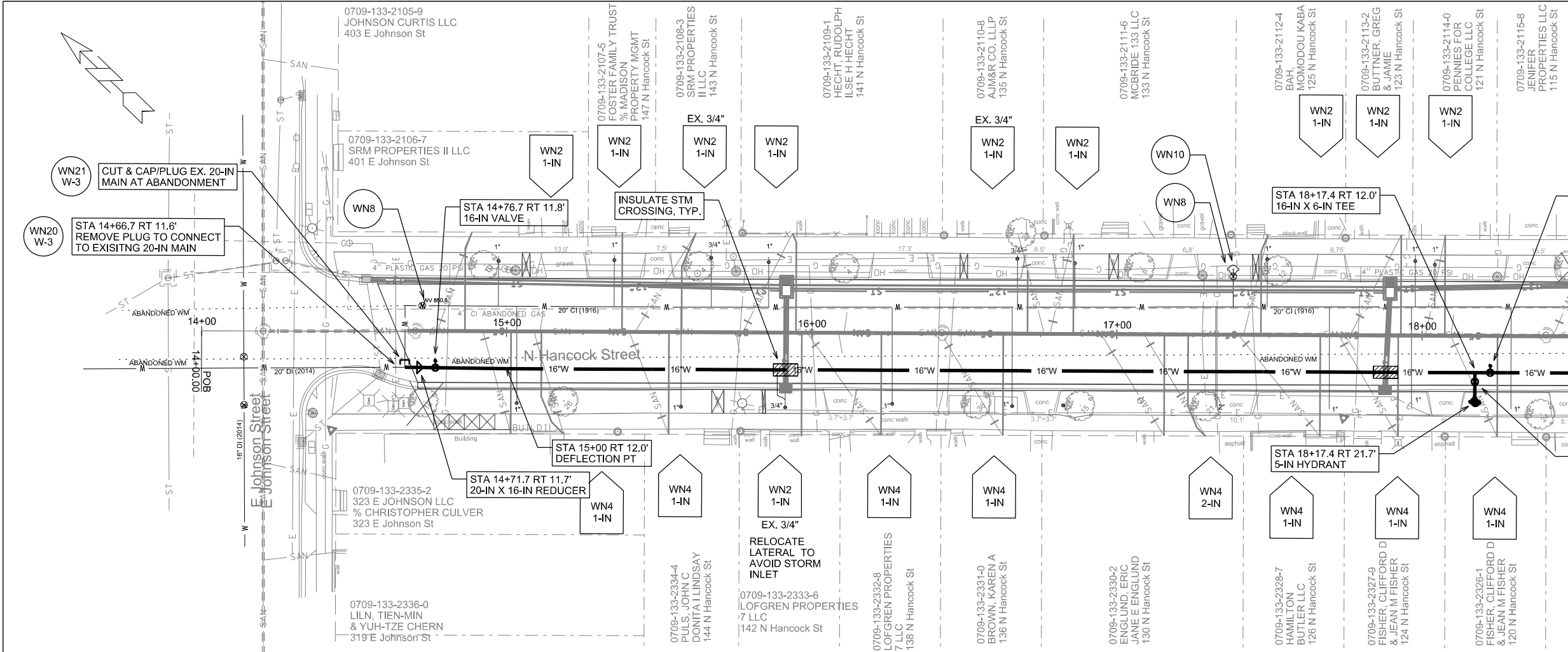
NOTE: PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

SPECIFIC NOTES

- [1] FLIP DRIVEWAY CASTING TO FIT IN TYPE X CURB.
- [2] STA/OFFSET TO CENTER OF STRUCTURE.
- [3]CONNECT PRIVATE STORM SEWER. PAID PER STANDARD BID ITEM #50793 (PRIVATE STORM SEWER RECONNECT, TYPE 1)
- [4] PAID PER STANDARD BID ITEM #20313 (REMOVE INLET)
- [5] UPSTREAM OF PIPE SHALL BE CONNECTED 1.3' OFF FROM THE CENTER OF THE STRUCTURE(AWAY FROM THE CURB).
- [6] DOWNSTREAM OF PIPE SHALL BE CONNECTED 1.3' OFF FROM THE CENTER OF THE STRUCTURE(AWAY FROM THE CURB).
- [7] PAID PER STANDARD BID ITEM 50795 (PRIVATE STORM SEWER LATERAL)

STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT FADI EL MUSA OF CITY ENGINEERING AT (608) 243-5214 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO FELMUSAGONZALEZ@CITYOFMADISON.COM.



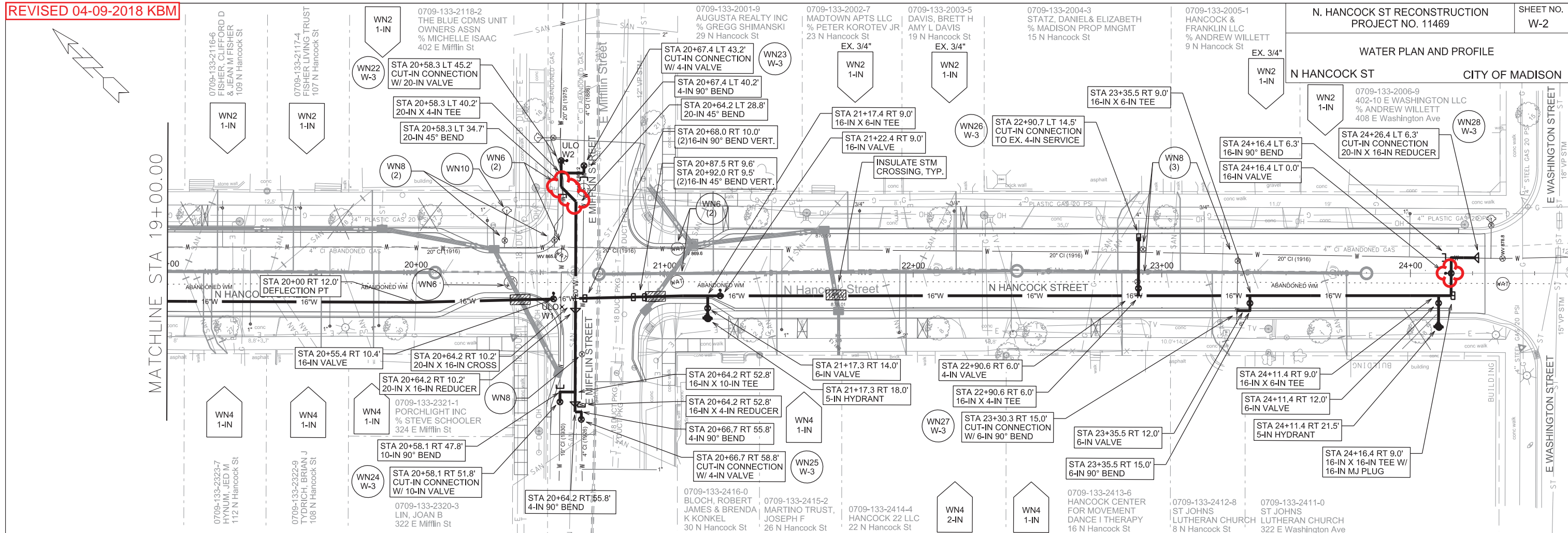
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REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

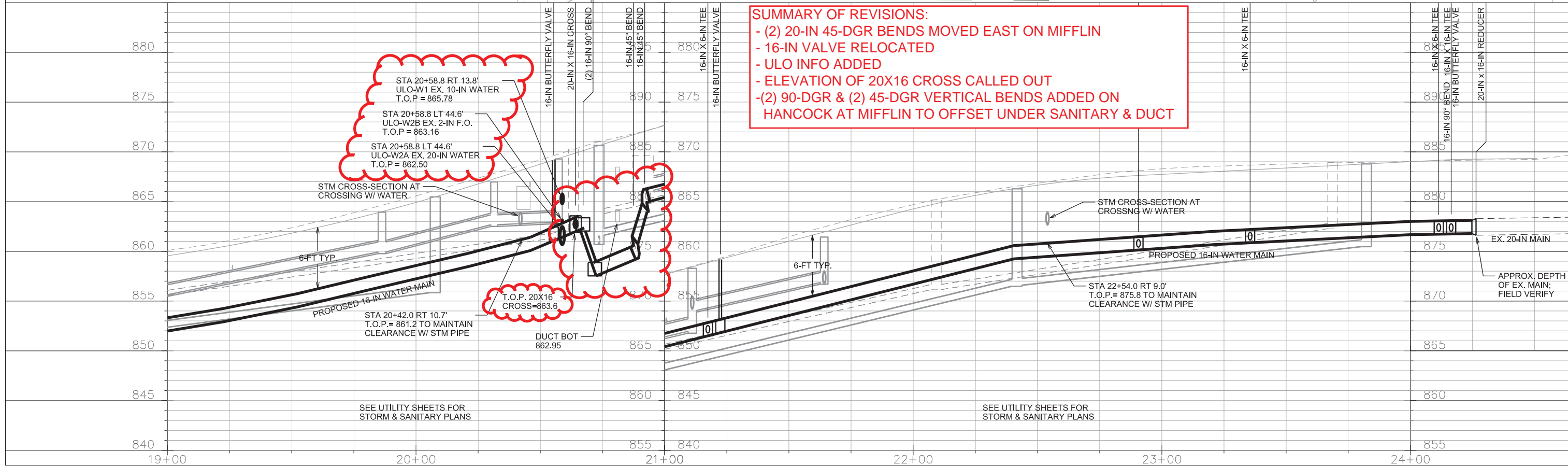
REVISED 04-09-2018 KBM

WATER PLAN AND PROFILE



SUMMARY OF REVISIONS:

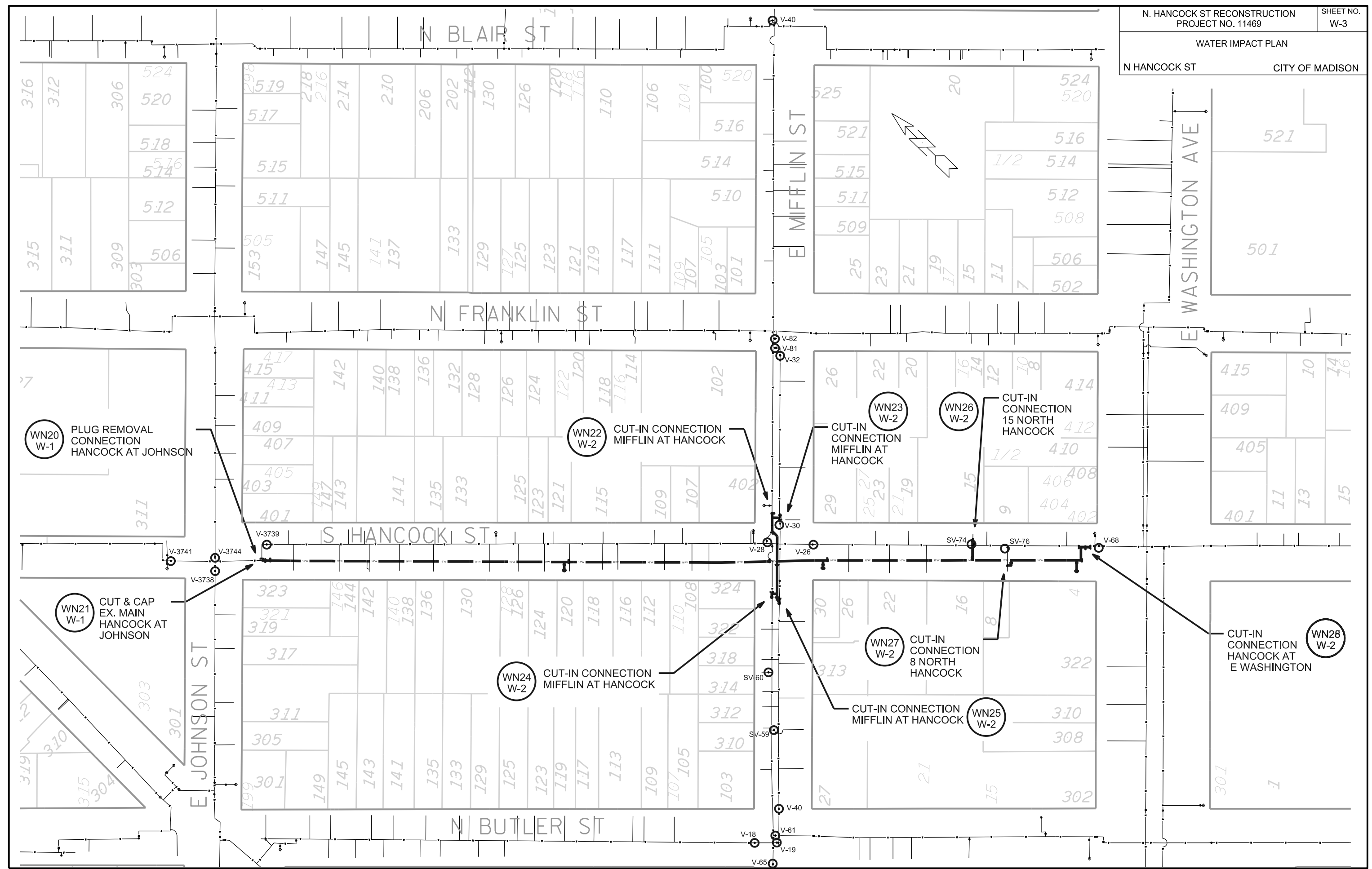
- (2) 20-IN 45-DGR BENDS MOVED EAST ON MIFFLIN
- 16-IN VALVE RELOCATED
- ULO INFO ADDED
- ELEVATION OF 20X16 CROSS CALLED OUT
- (2) 90-DGR & (2) 45-DGR VERTICAL BENDS ADDED ON HANCOCK AT MIFFLIN TO OFFSET UNDER SANITARY & DUCT



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

WATER IMPACT PLAN

N HANCOCK ST CITY OF MADISON



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 DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. THE EXISTING UTILITIES SHOWN ON THIS PLAN REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN8 ABANDON THE VALVE BOX.
- WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE
- WN20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

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

- | | |
|---------------------------|-----------------------------------|
| 50-FT - 4-IN PIPE | 3 - 4-IN 90° BEND |
| 45-FT - 6-IN PIPE | 2 - 6-IN 90° BEND |
| 10-FT - 10-IN PIPE | 1 - 10-IN 90° BEND |
| 1010-FT - 16-IN PIPE | 1 - 16-IN 90° BEND |
| 75-FT - 20-IN PIPE | 2 - 20-IN 45° BEND |
| 3 - 4-IN VALVE & BOX | 3 - 4-IN MJ CAP |
| 4 - 6-IN VALVE & BOX | 1 - 6-IN MJ CAP |
| 1 - 10-IN VALVE & BOX | 1 - 10-IN MJ CAP |
| 5 - 16-IN VALVE & BOX | 3 - 20-IN MJ CAP |
| 1 - 20-IN VALVE & BOX | |
| 1 - 16-IN X 4-IN TEE | 2 - 16-IN MJ PLUG |
| 4 - 16-IN X 6-IN TEE | 2 - 20-IN MJ PLUG |
| 1 - 16-IN X 10-IN TEE | |
| 1 - 16-IN X 16-IN TEE | 3 - 5-IN HYDRANT |
| 1 - 20-IN X 4-IN TEE | |
| 1 - 20-IN X 16-IN CROSS | 40-FT - 2-IN STYROFOAM INSULATION |
| 1 - 16-IN X 4-IN REDUCER | 1370-FT - POLY WRAP |
| 3 - 20-IN X 16-IN REDUCER | 1-IN TO 2-IN COPPER (AS REQ'D) |

MATERIALS SUPPLIED BY CITY:

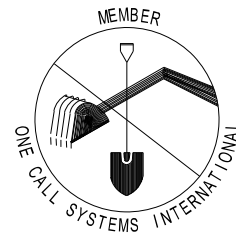
** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

NONE

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.

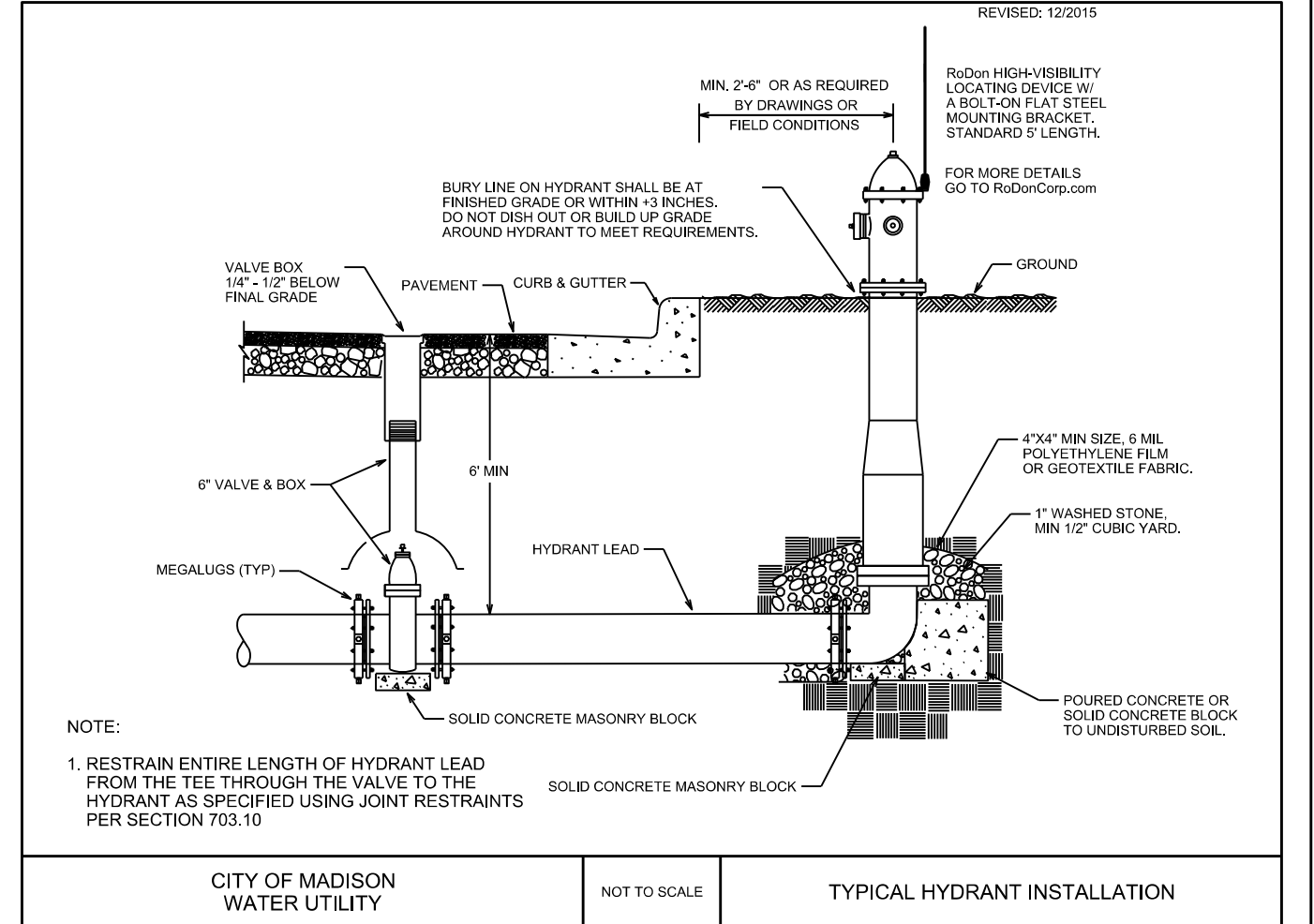


DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2015



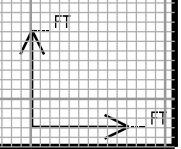
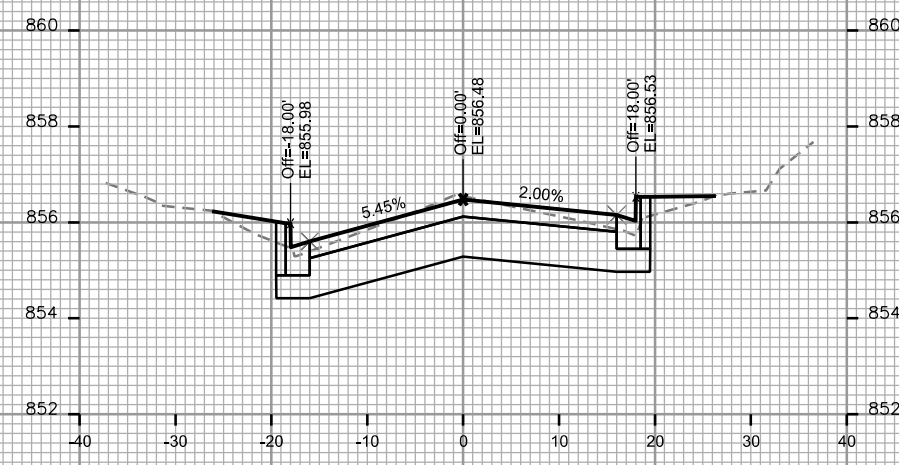
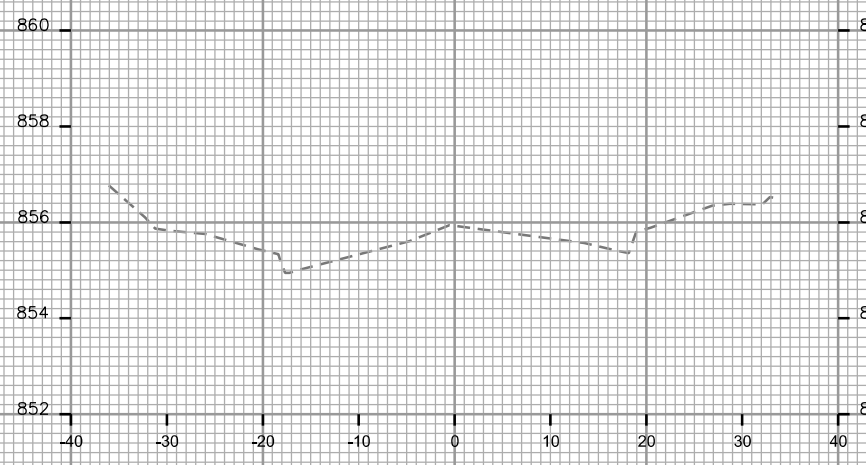
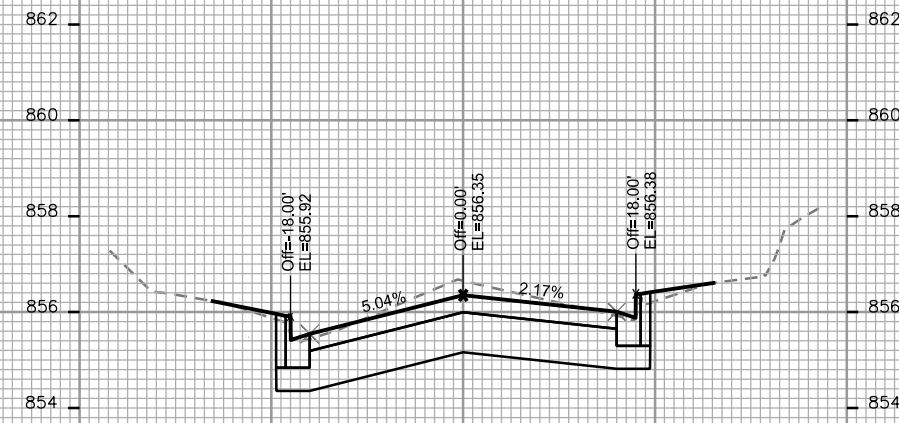
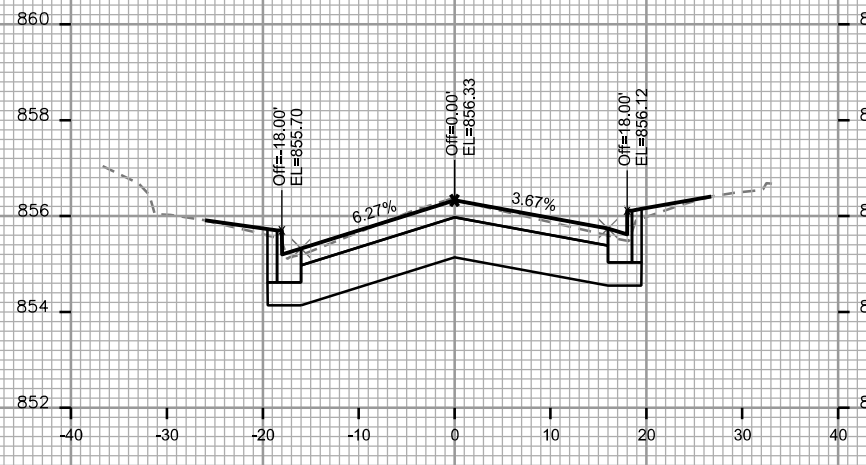
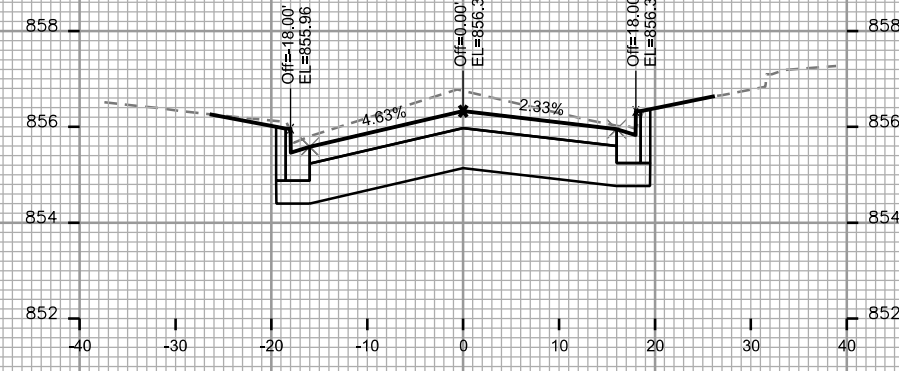
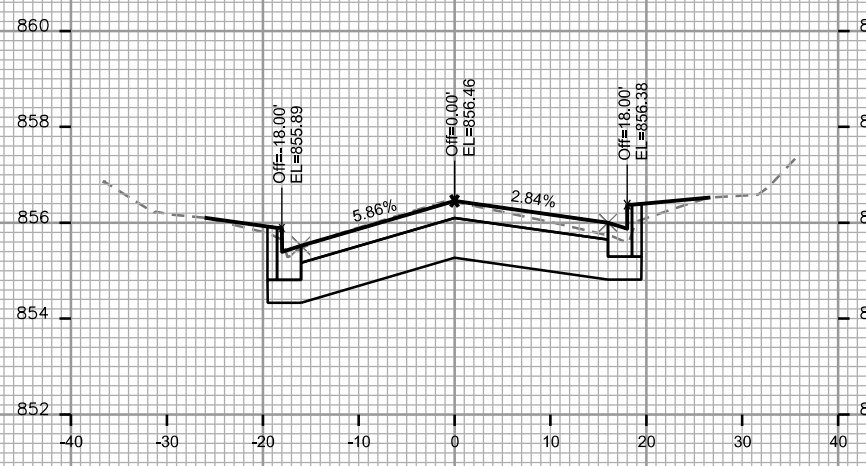
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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS
N HANCOCK ST CITY OF MADISON



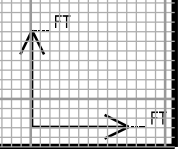
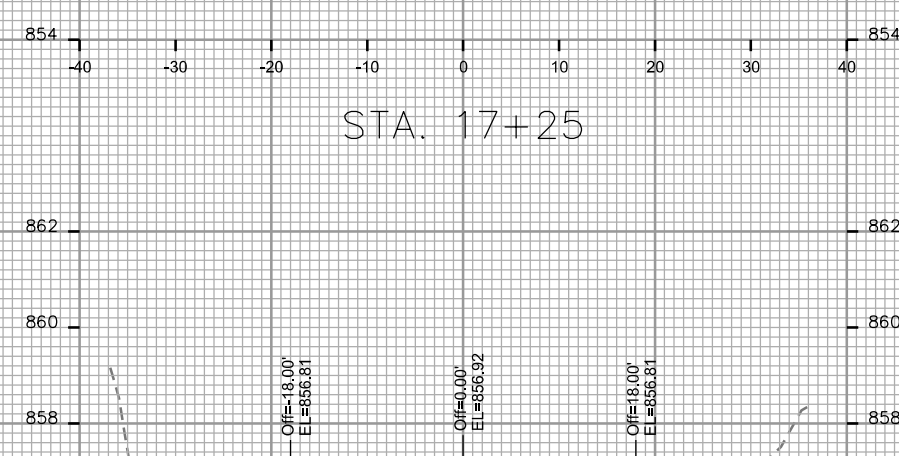
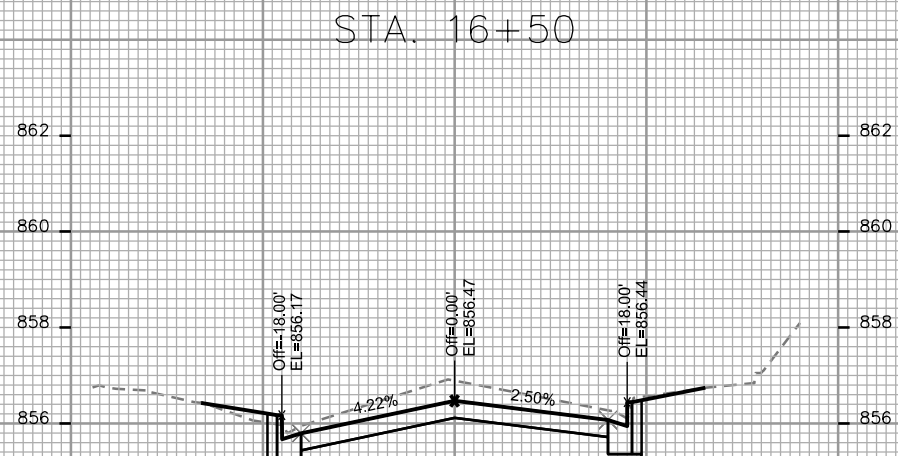
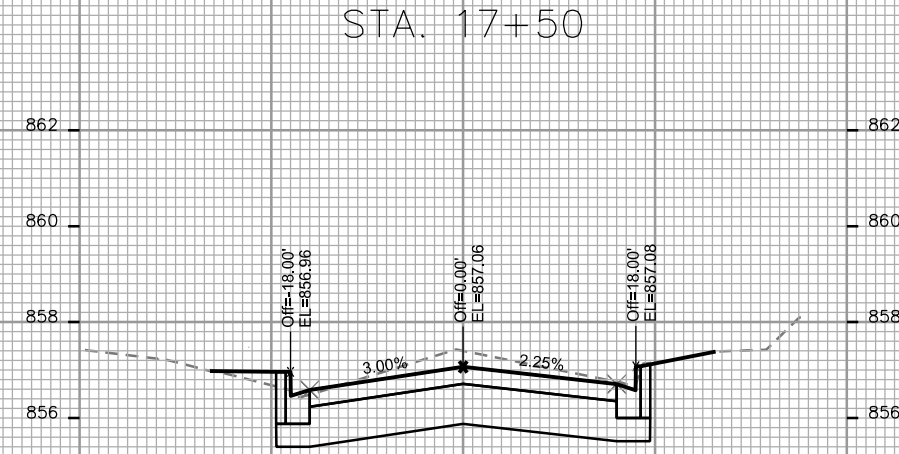
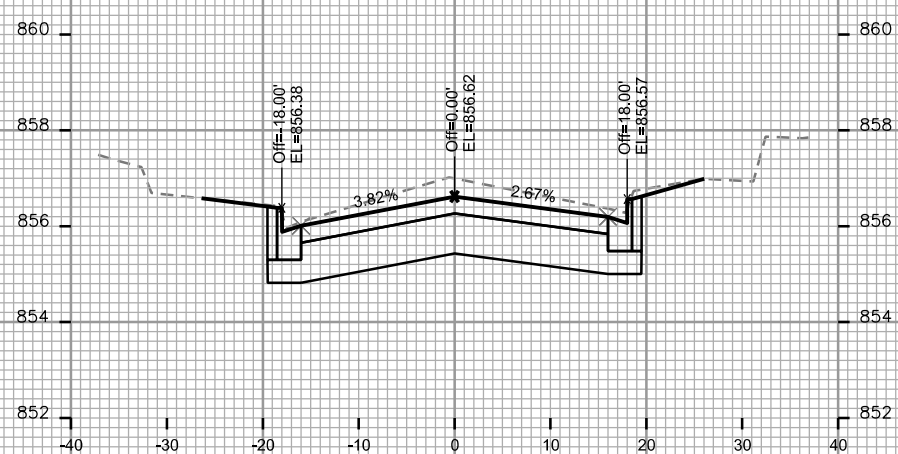
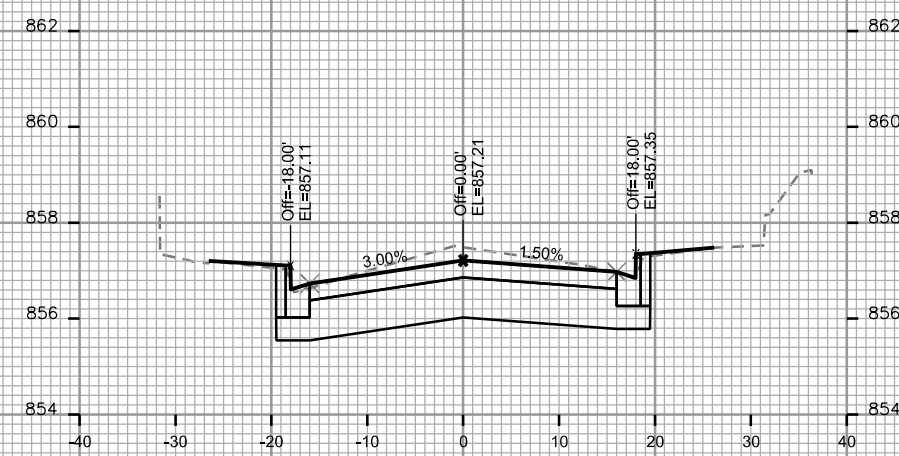
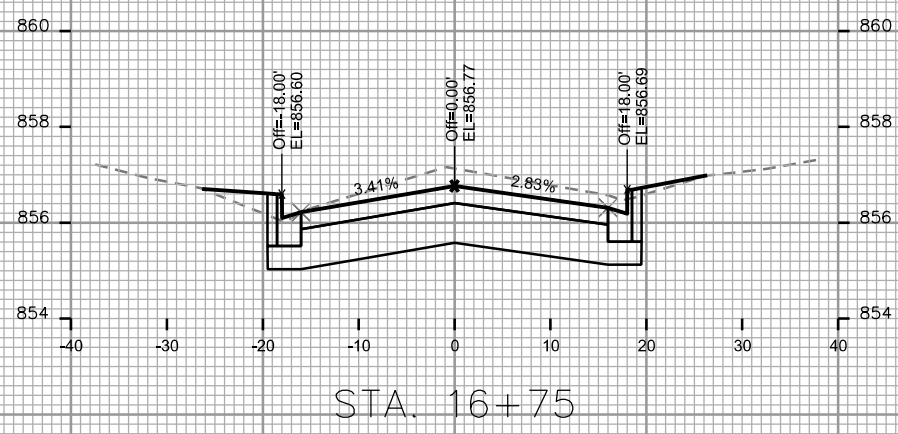
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CROSS SECTIONS
N HANCOCK ST CITY OF MADISON



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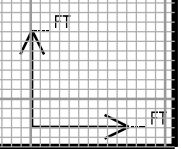
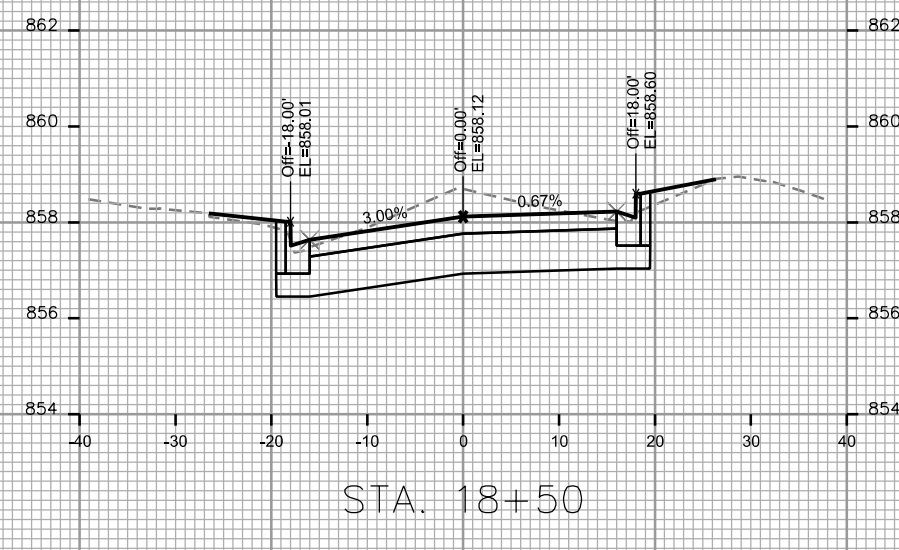
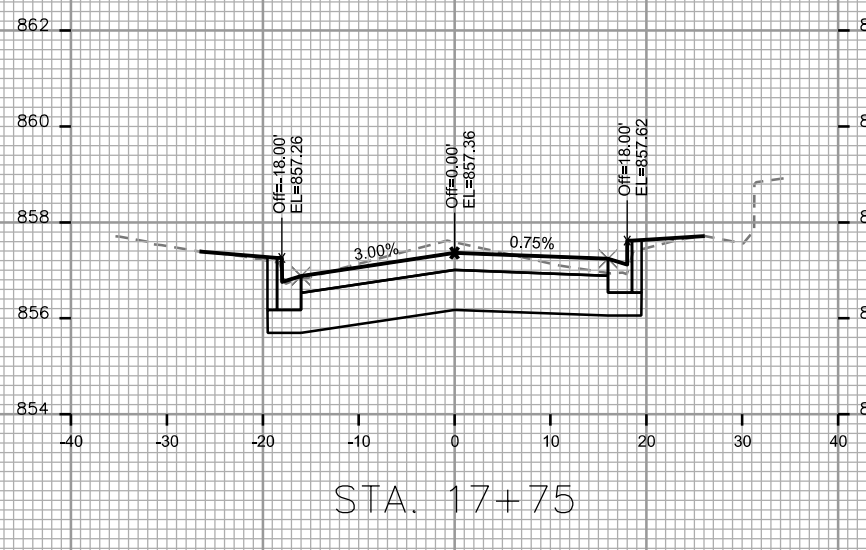
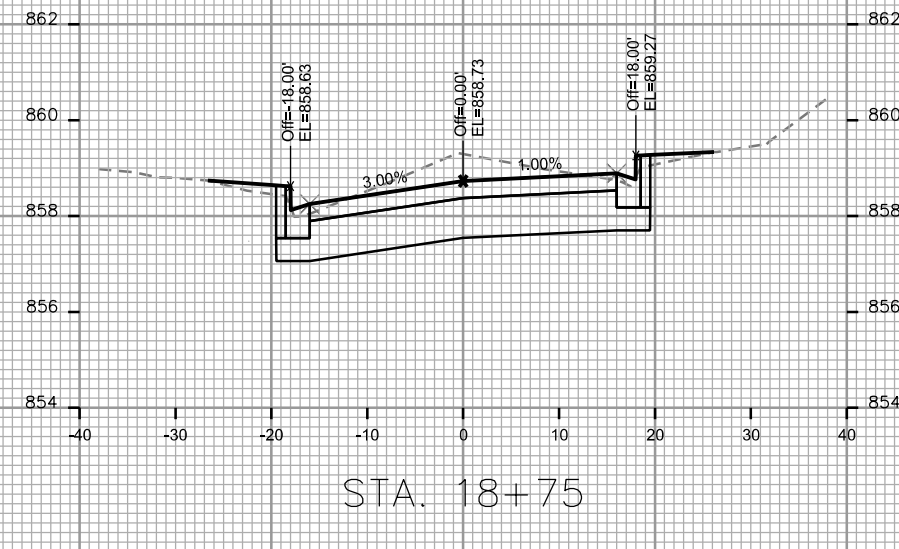
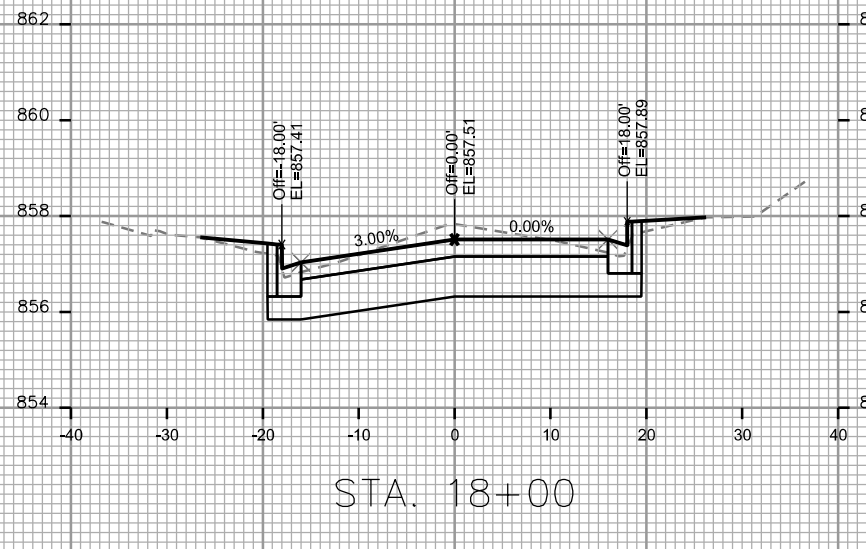
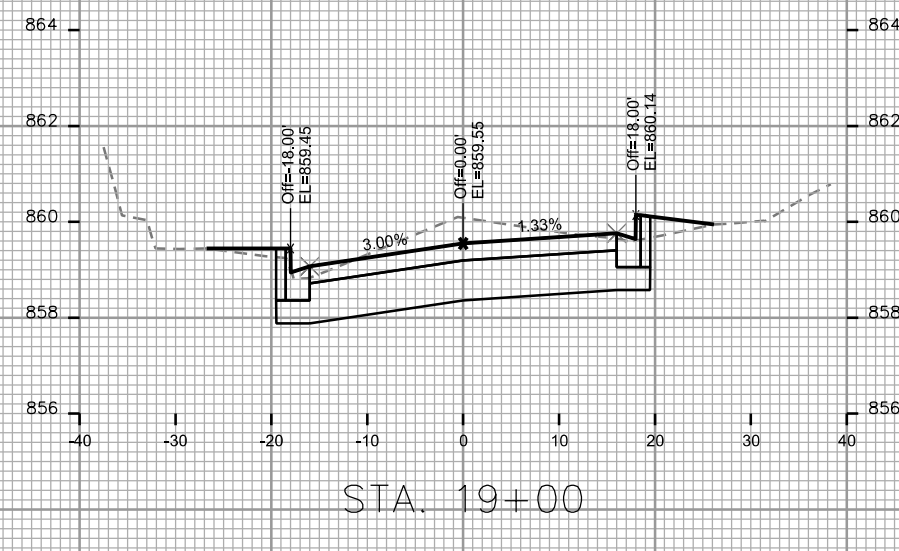
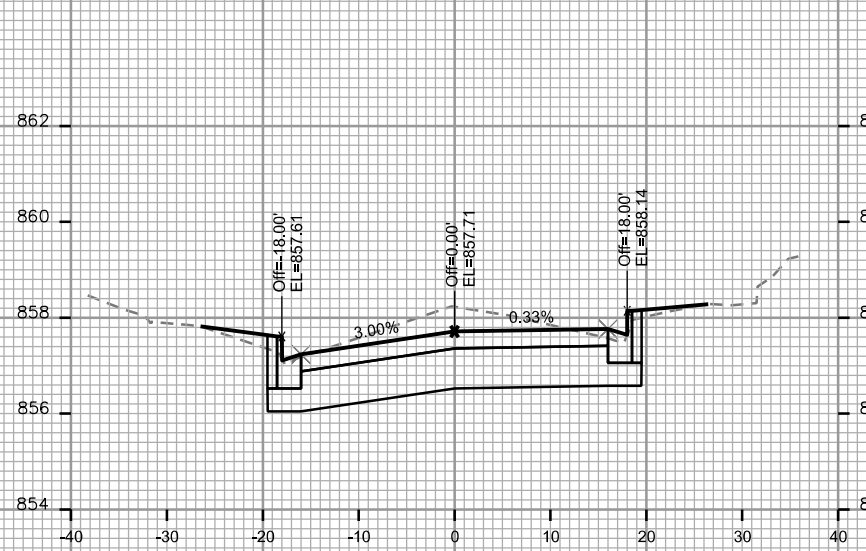
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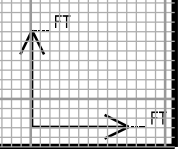
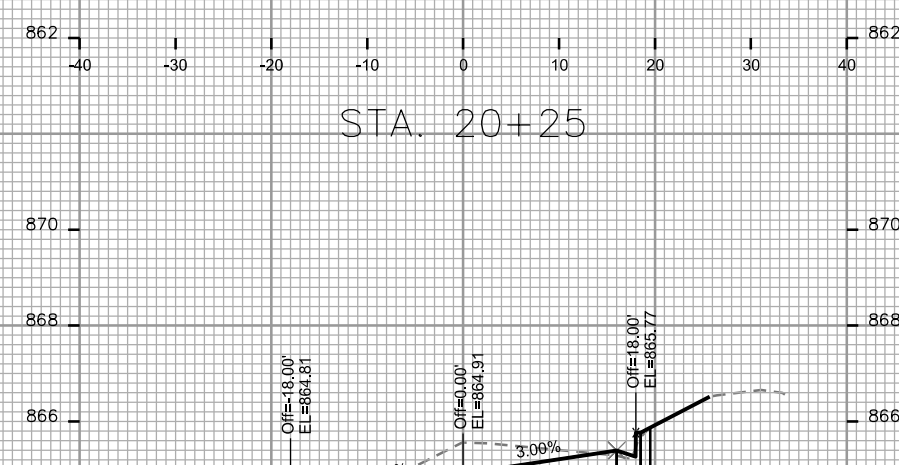
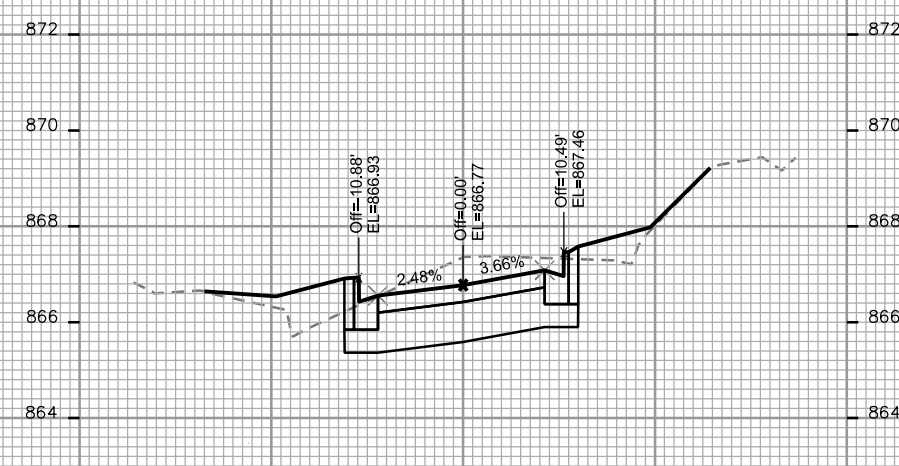
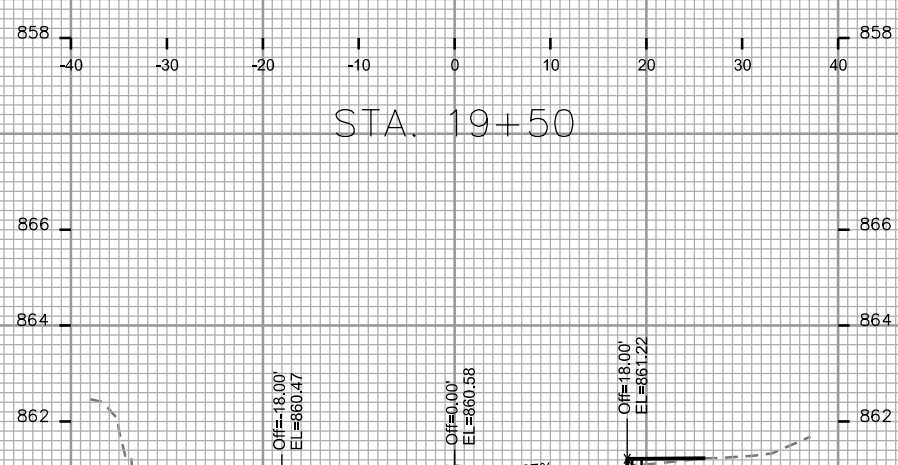
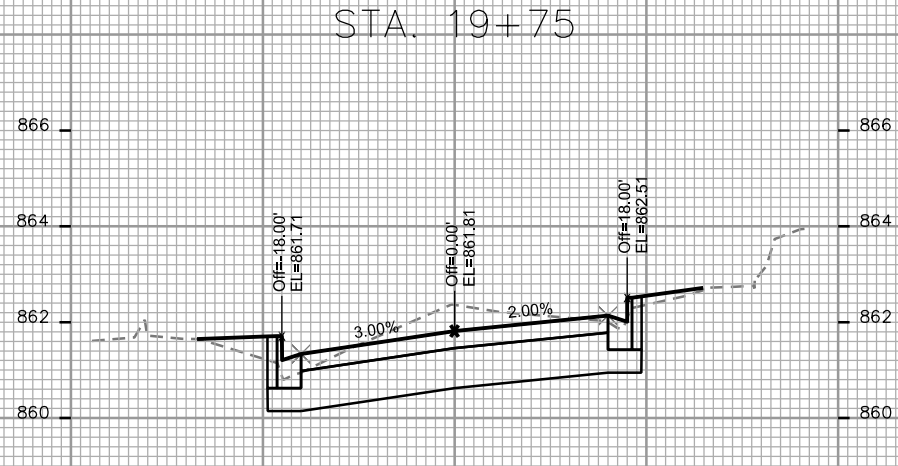
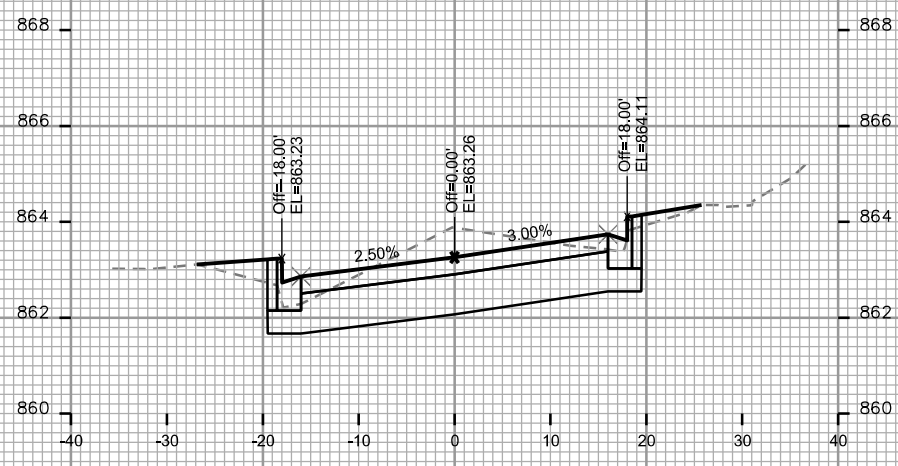
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N HANCOCK ST

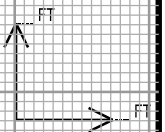
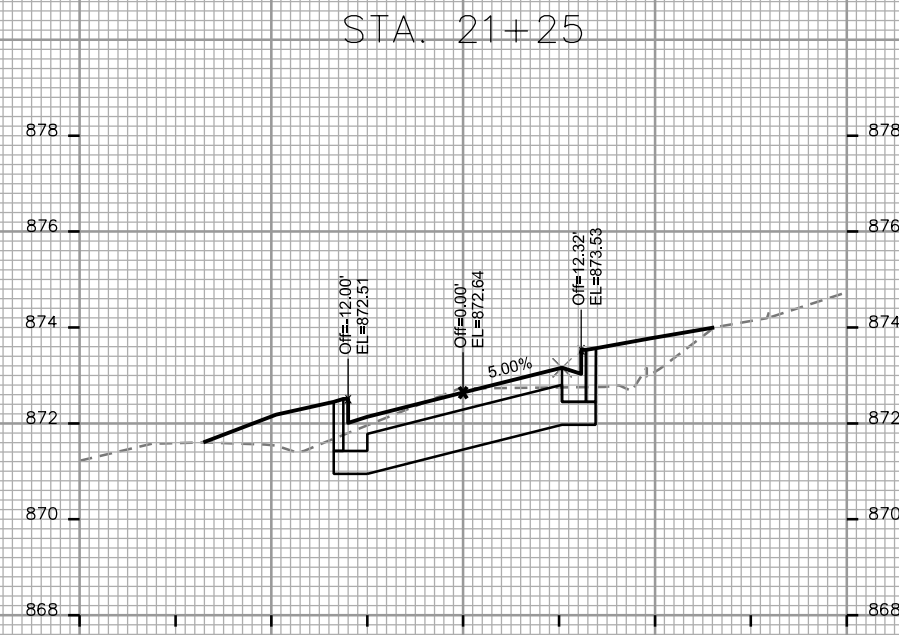
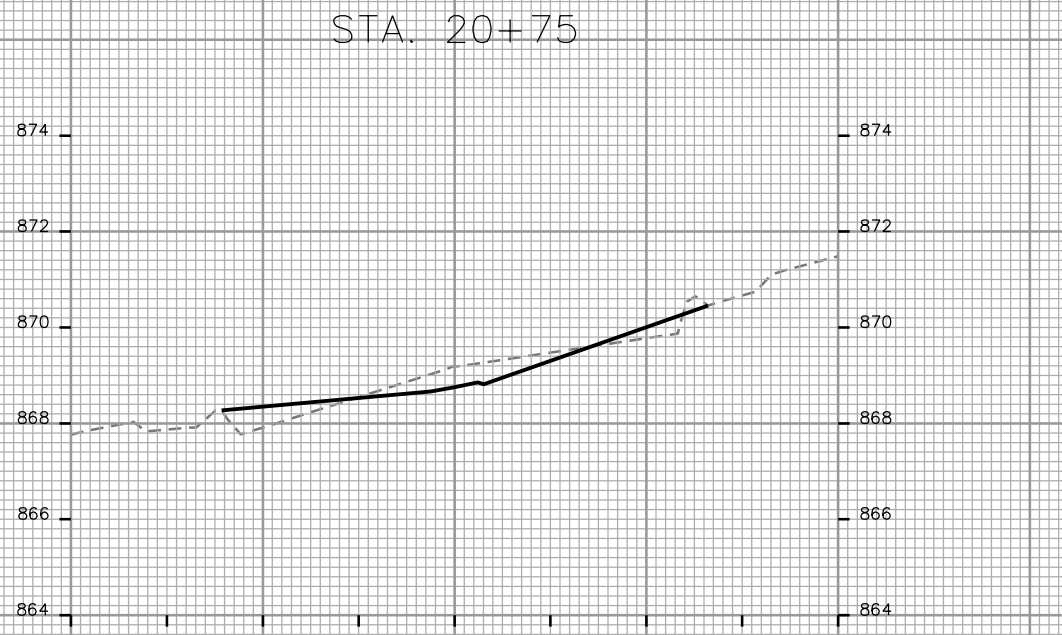
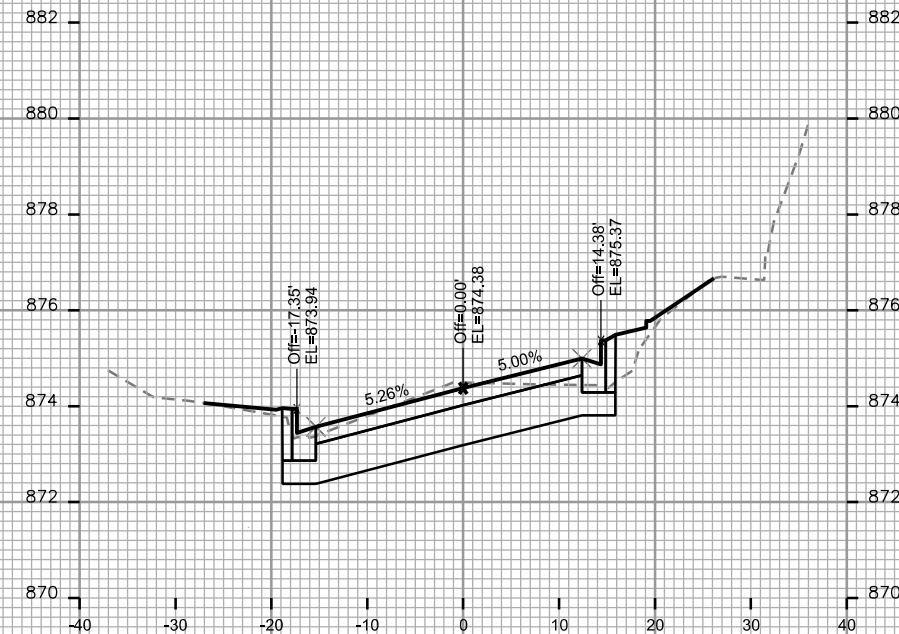
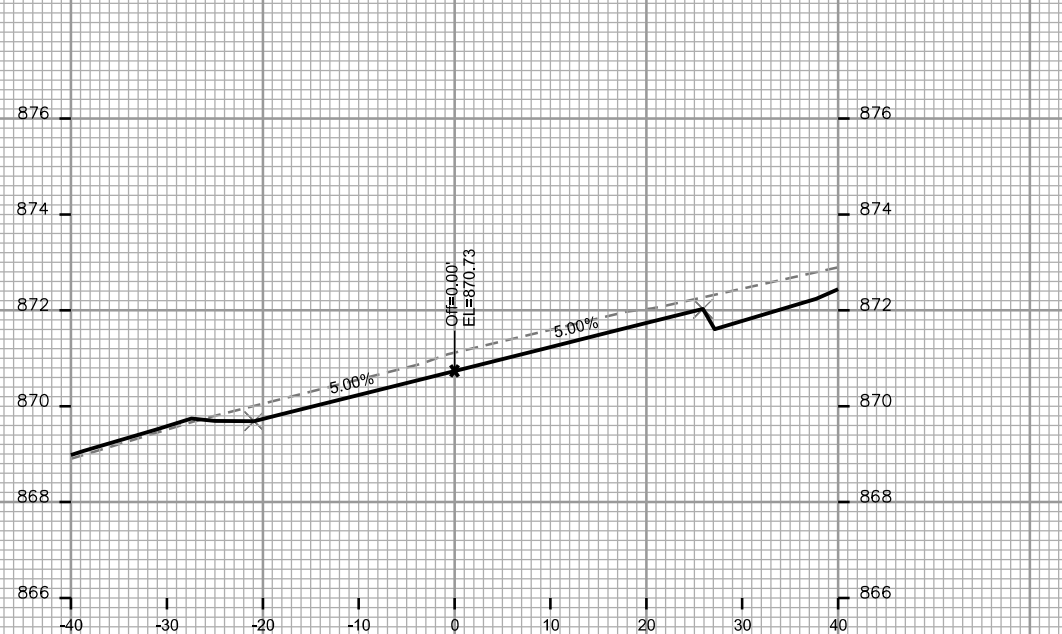
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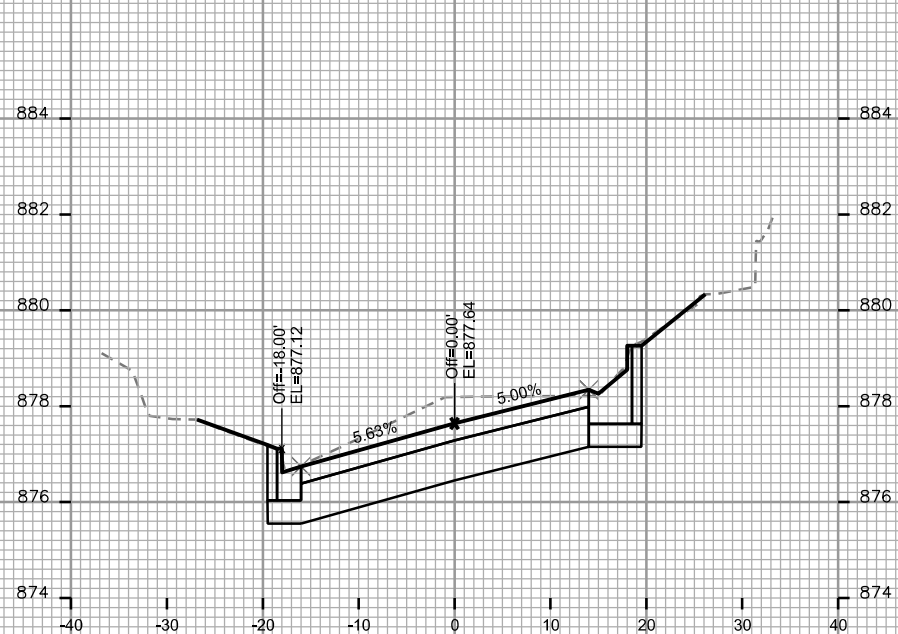
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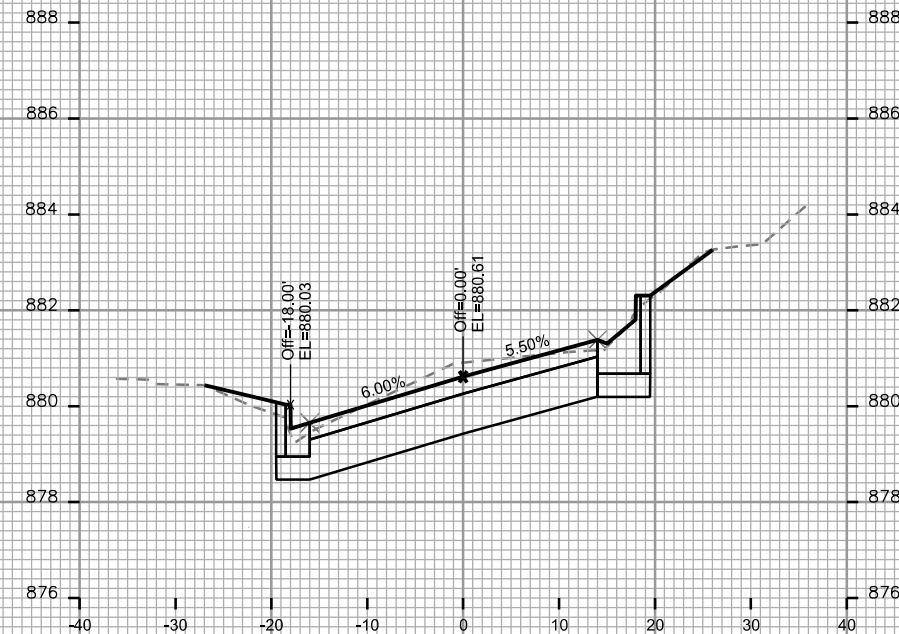
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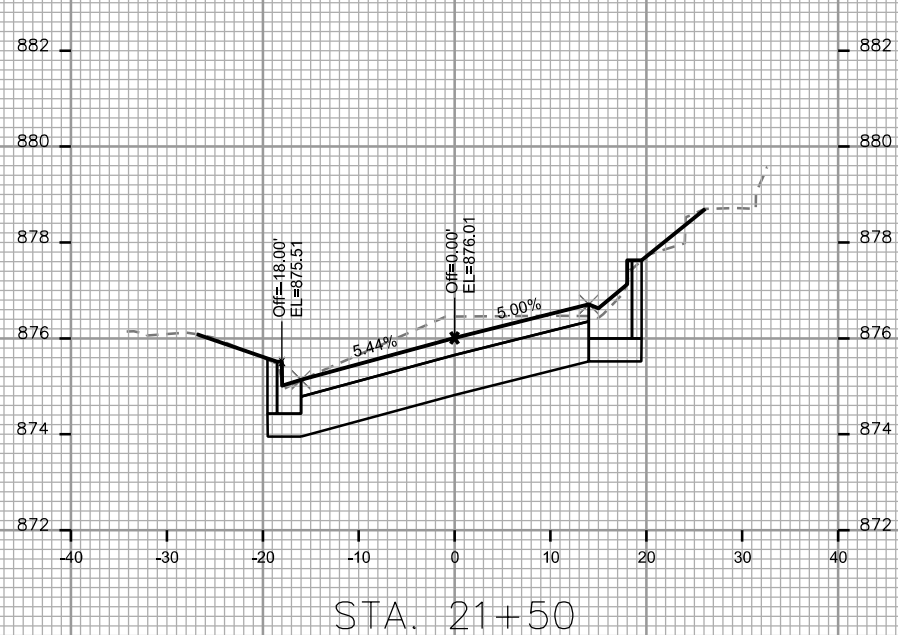
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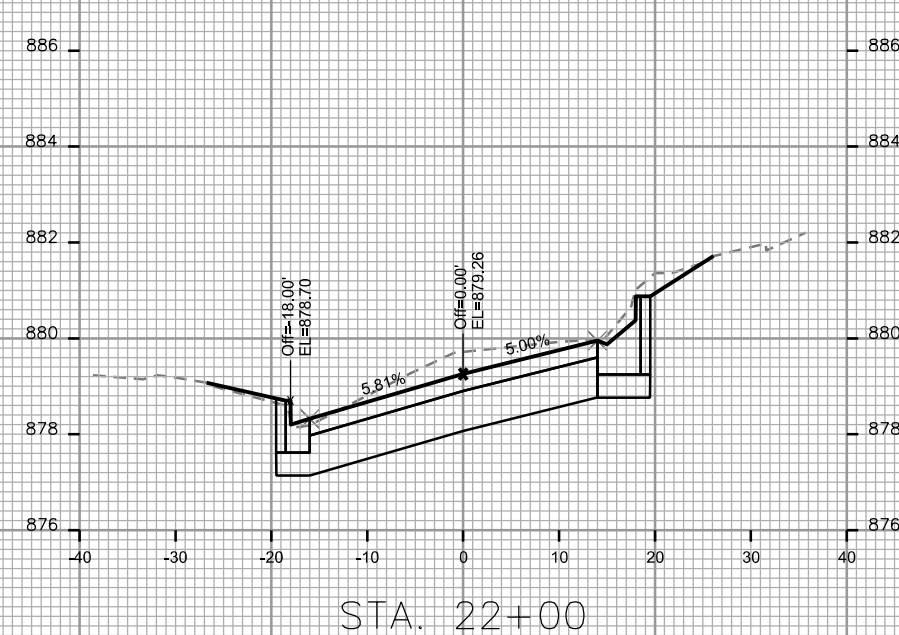
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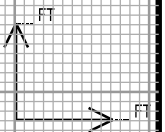
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STA. 21+50



STA. 22+00

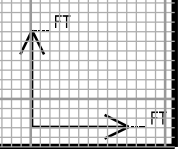
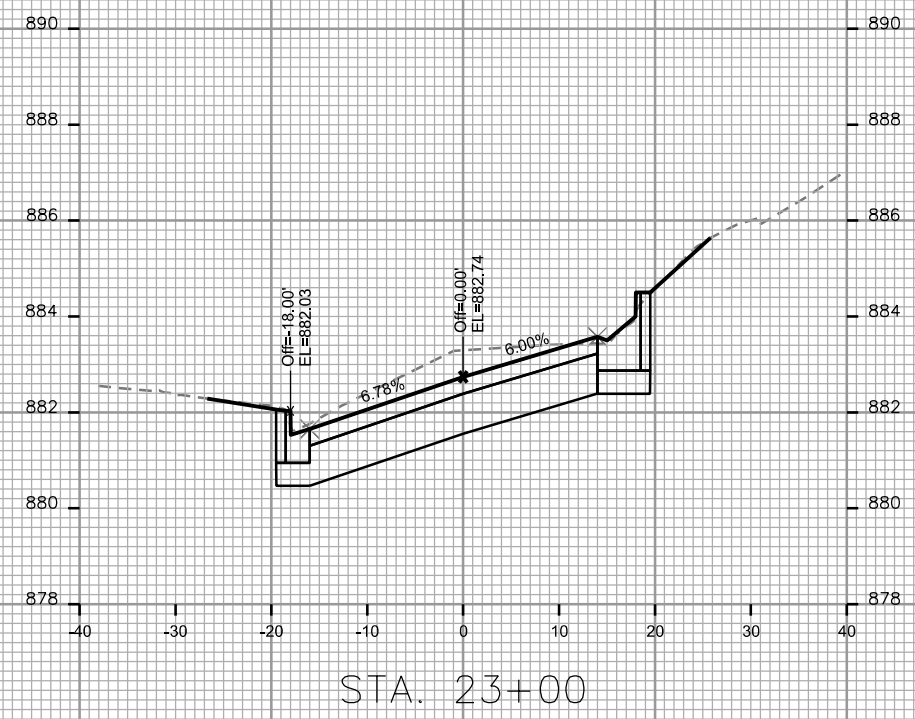
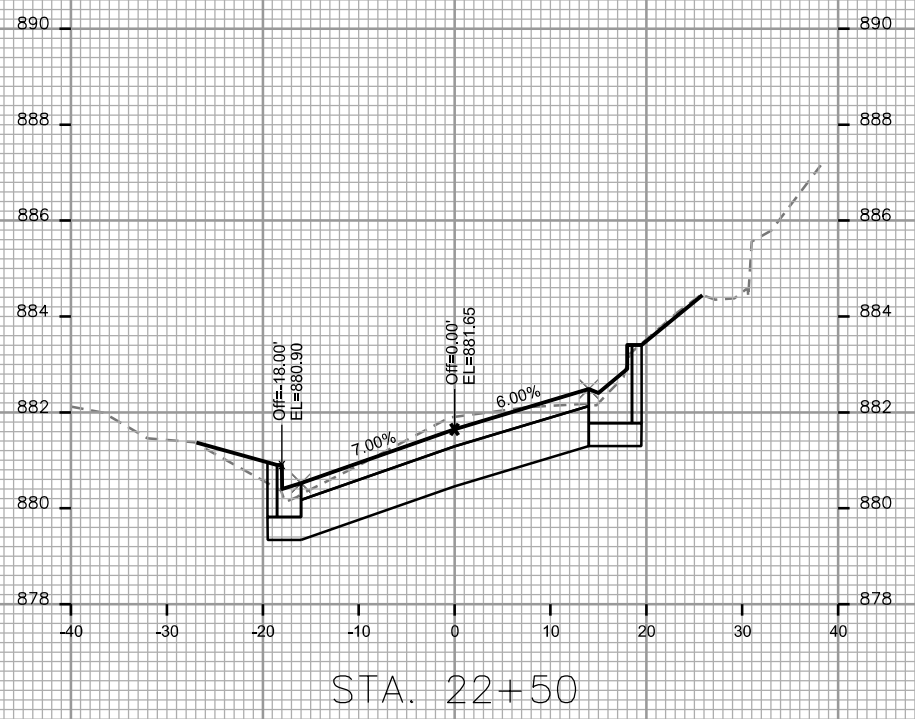
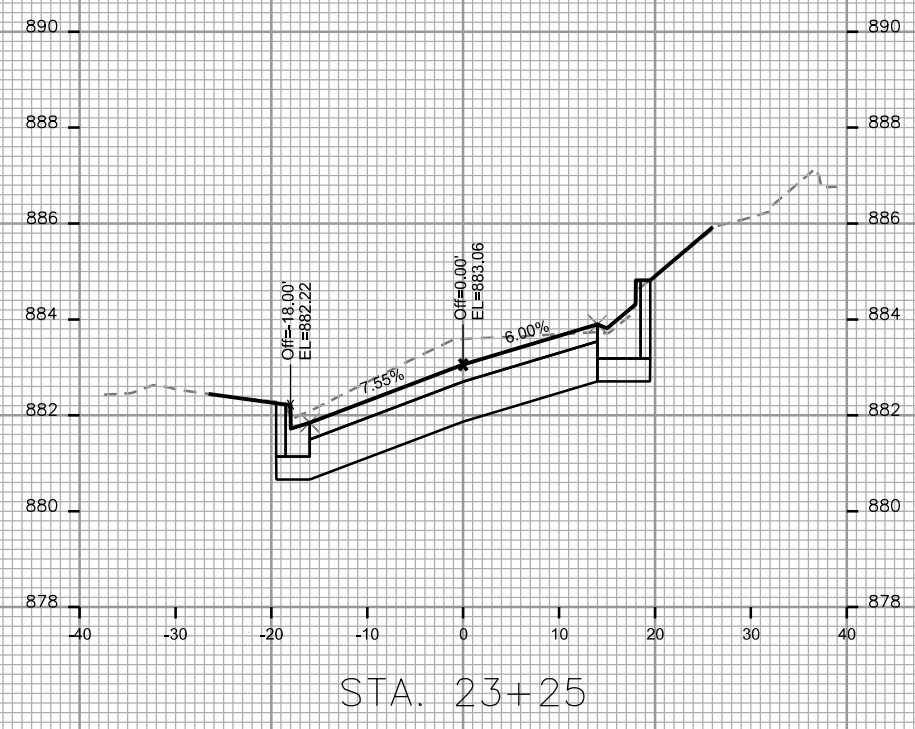
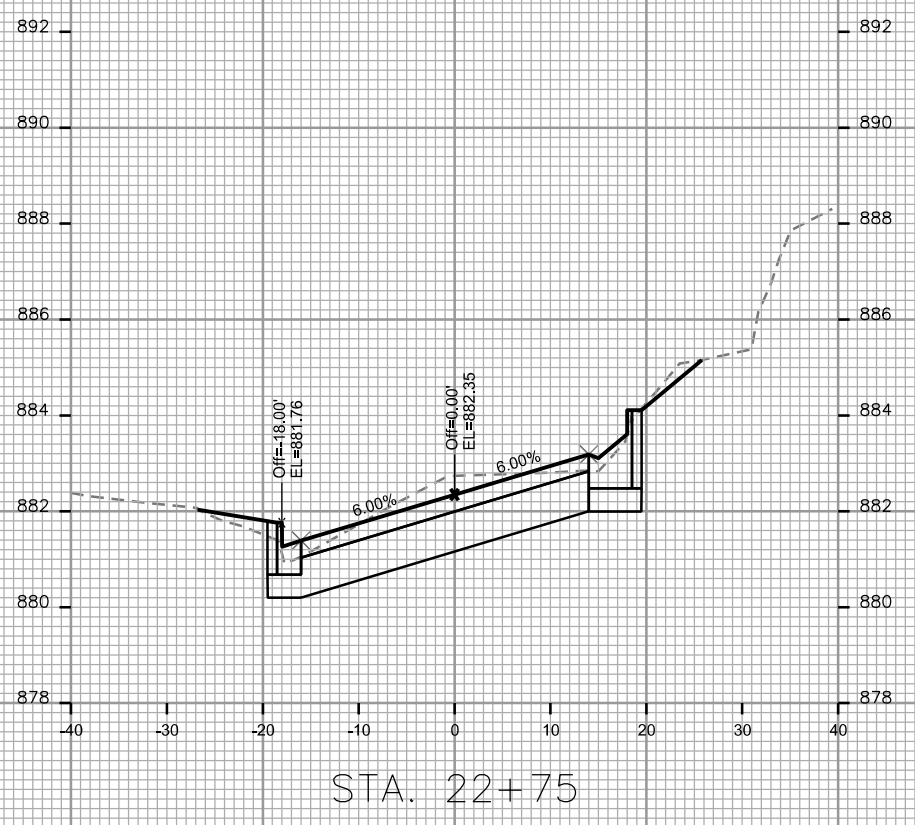


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CROSS SECTIONS

N HANCOCK ST

CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

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