



Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

## WEST TOWNE PATH - PHASE 3

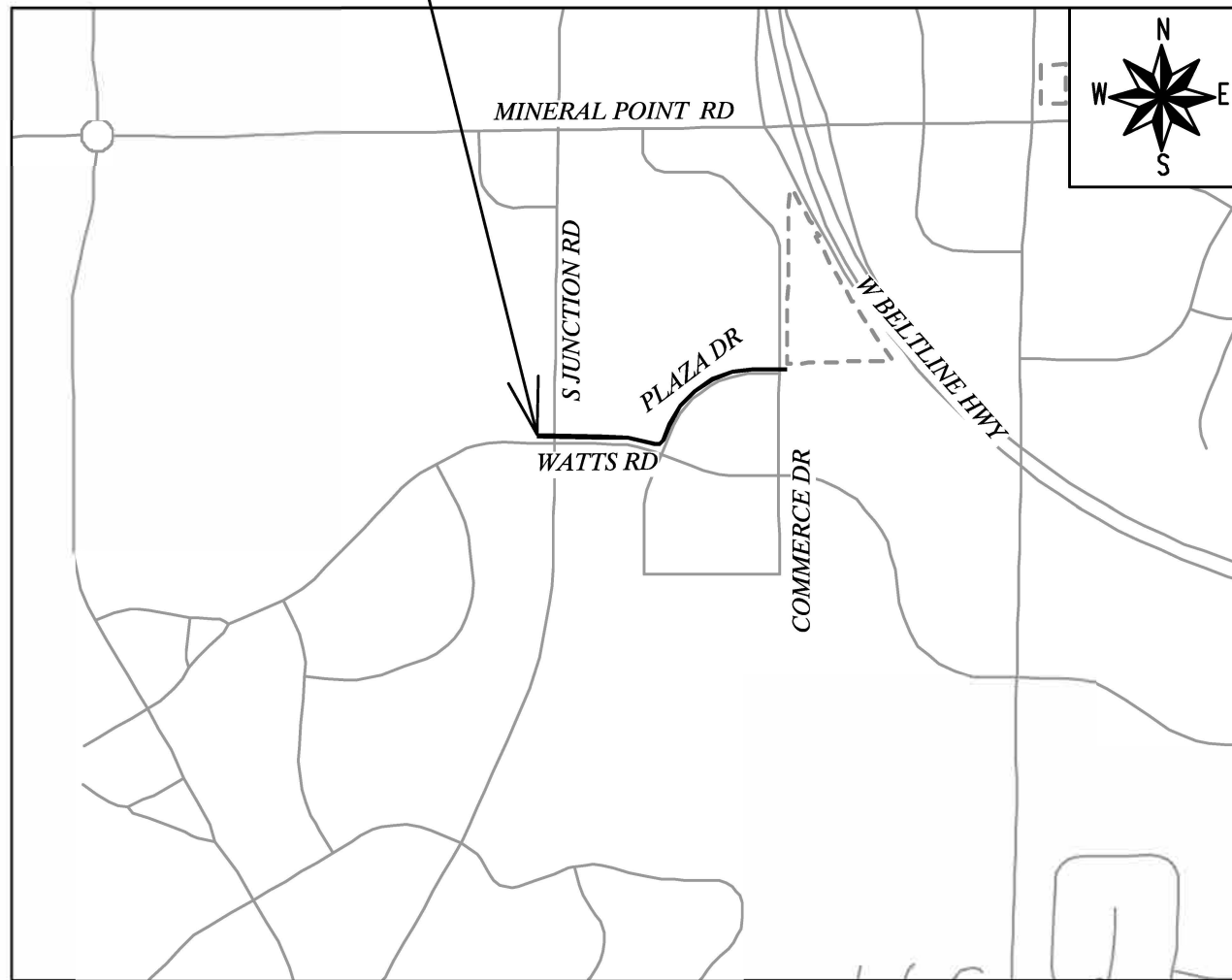
(FEDERALLY FUNDED)

CITY PROJECT NO. 13014

CONTRACT NO. 8642

WISDOT CONSTRUCTION ID 5992-00-62

PROJECT LOCATION



INDEX OF SHEETS

SHEET NO.	NOTES AND DETAILS
D1-D7	NOTES AND DETAILS
EC1	EROSION CONTROL PLANS
P1-P4	STREET PLAN & PROFILES
U1-U2	UTILITY PLAN & PROFILES
U3	STORM SEWER SCHEDULE
E1-E12	ELECTRICAL PLANS
PM1-PM4	PAVEMENT MARKING PLANS
X1-X7	CROSS SECTIONS
MN1	MAINTENANCE MAP

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

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

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%.

EARTHWORK SUMMARY:

EXCAVATION CUT (MEASURED PLAN QUANTITY).....	910 CY
ESTIMATED UNDISTRIBUTED UNDERCUT.....	130 CY
TOTAL UNCLASSIFIED EXCAVATION CUT.....	1040 CY

PUBLIC IMPROVEMENT PROJECT APPROVED

SEPTEMBER 6, 2022

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

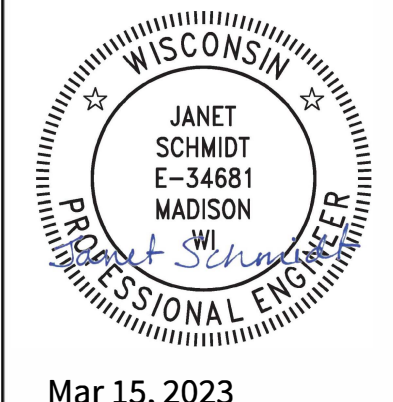
*[Signature]* Mar 15, 2023

City Engineer Date

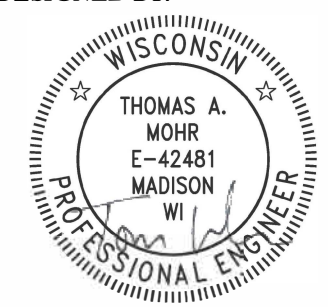
STREET & PATH DESIGNED BY:



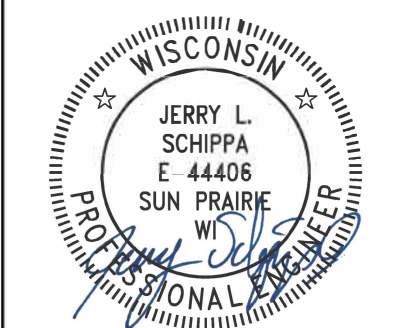
STORM SEWER DESIGNED BY:



STREET GEOMETRICS & PAVEMENT MARKINGS DESIGNED BY:



ELECTRICAL DESIGNED BY:

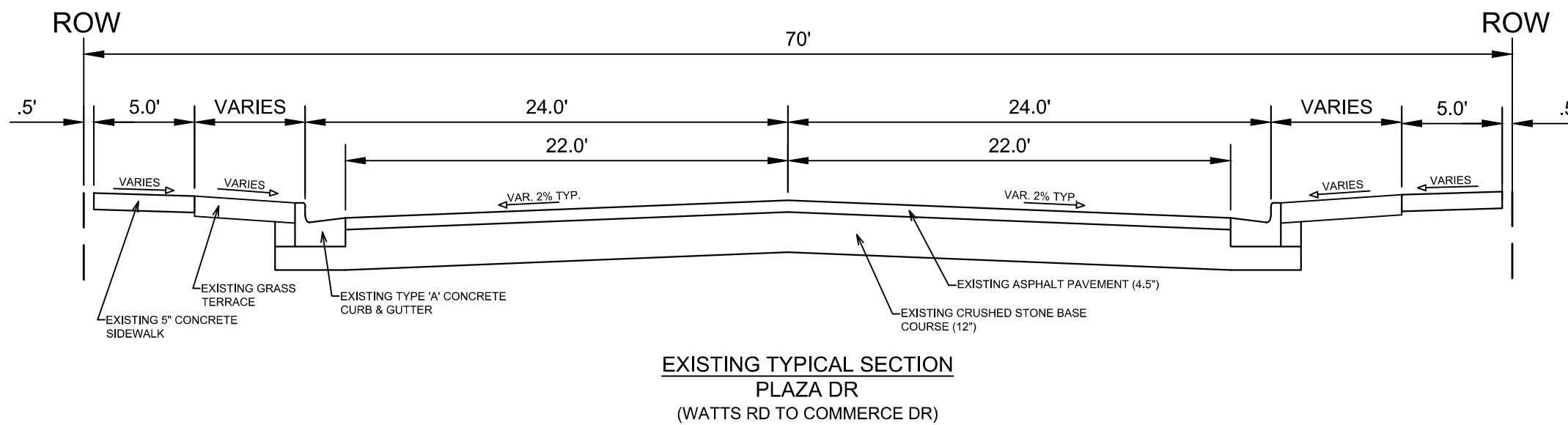
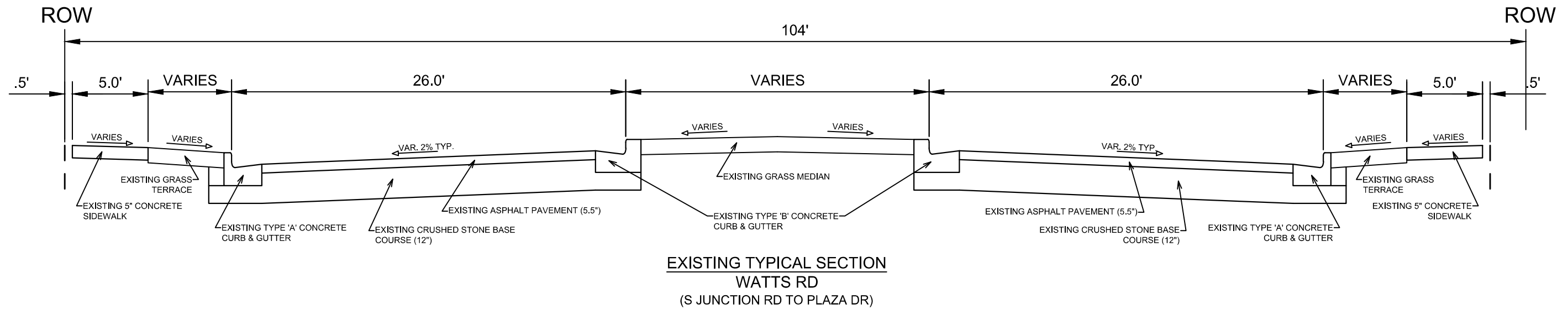


PLOT SCALE: 1 IN=1 FT XREF

PLOT NAME: ---

REV. DATE: 12/16/2022 3:00 PM

ORIGINATOR: CITY OF MADISON

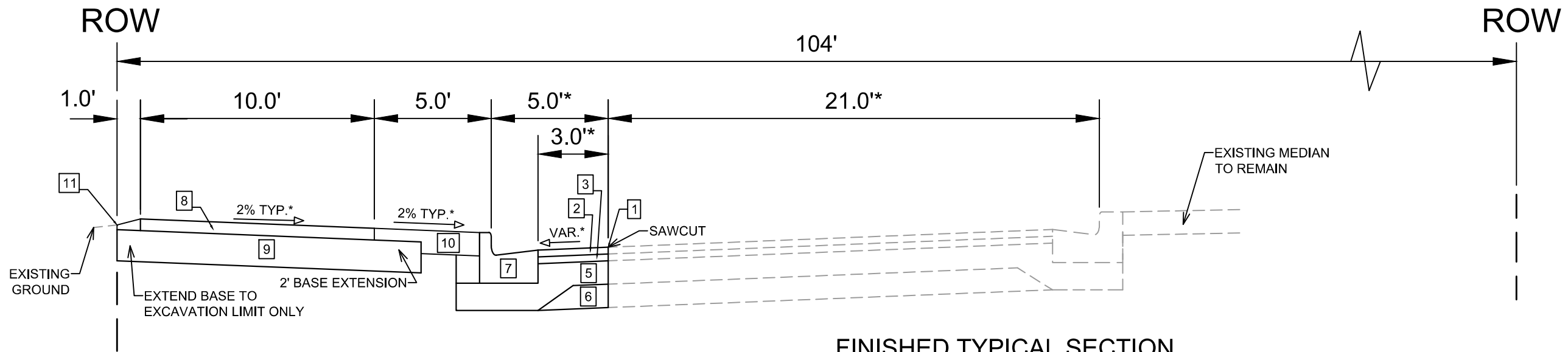


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Designed By: AJC			D-1

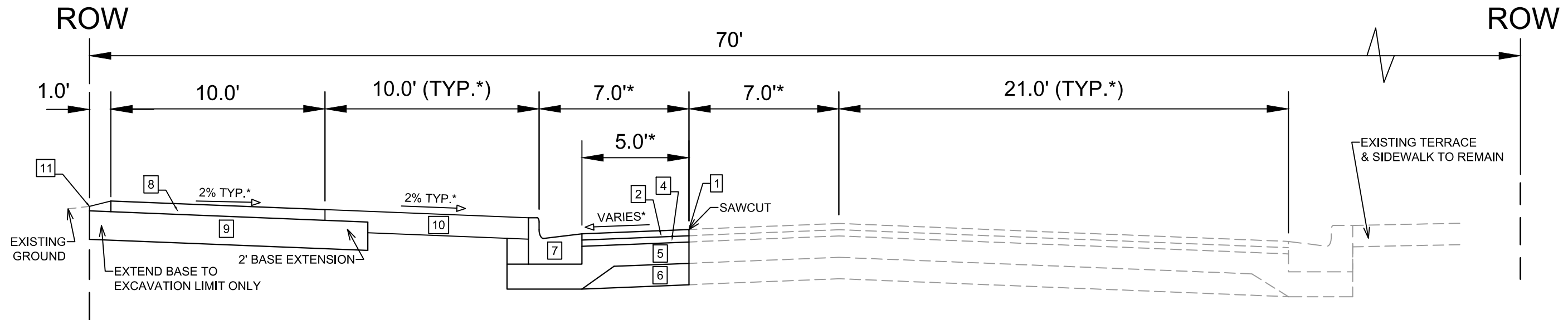
13014  
MADISON, WI  
8642  
CONTRACT NO:

EXISTING TYPICAL SECTIONS  
WEST TOWNE PATH - PHASE 3  
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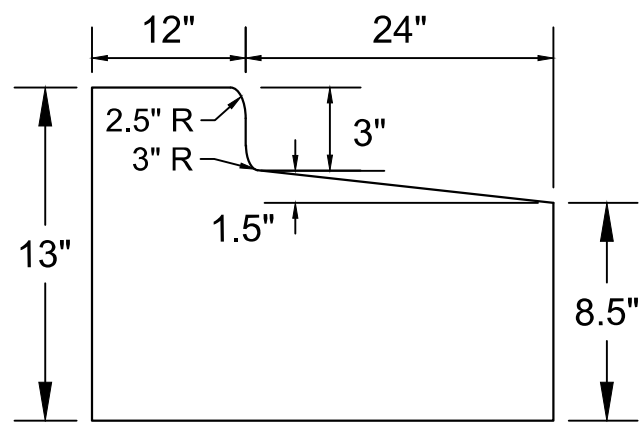




**FINISHED TYPICAL SECTION  
WEST TOWNE PATH - WATTS RD  
(S JUNCTION RD TO PLAZA DR)**



**FINISHED TYPICAL SECTION  
WEST TOWNE PATH - PLAZA DR  
(WATTS RD TO COMMERCE DR)**



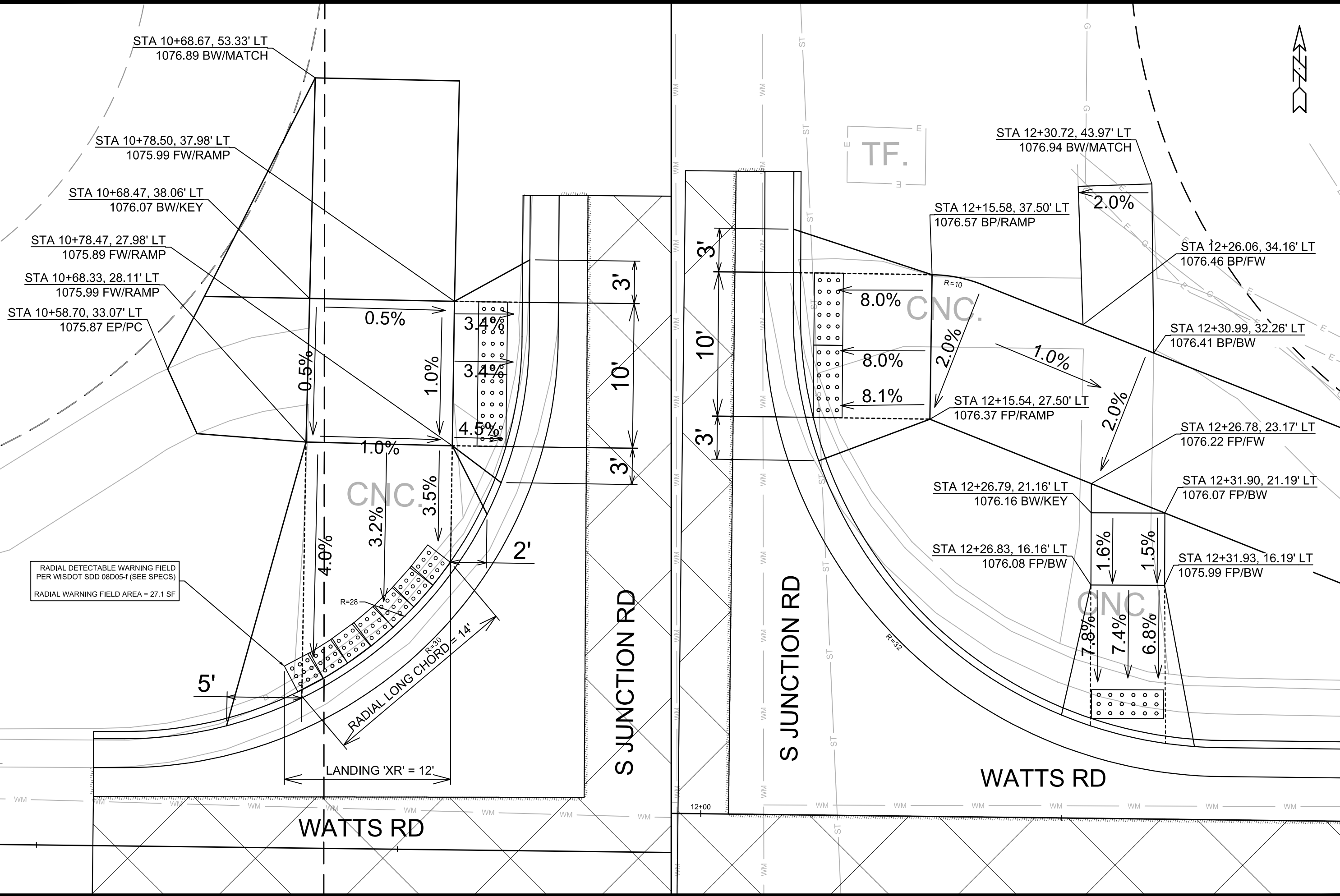
**MOD. TYPE 'B' CONCRETE  
CURB & GUTTER (REJECT)\*\*  
(PAY AS TY 'B' C&G)**

**NOTES:**

- \* SEE X-SHEETS FOR DIMENSIONING AND CROSS SLOPES
- \*\* MODIFIED TYPE 'B' CURB & GUTTER (REJECT) TO BE USED ON WATTS-PLAZA MEDIAN ISLANDS WHERE CALLED OUT ON PLANS

- 1 POINT REFERRED TO ON PROFILE
- 2 2" HMA PAVEMENT- TYPE 4 LT 58-28 S
- 3 3.5" HMA PAVEMENT- TYPE 3 LT 58-28 S
- 4 2.5" HMA PAVEMENT- TYPE 3 LT 58-28 S
- 5 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE
- 6 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE
- 7 TYPE 'A' CONCRETE CURB AND GUTTER
- 8 3" HMA PAVEMENT- TYPE 4 LT 58-28 S (PATH)
- 9 8" GRADATION 2 CRUSHED AGGREGATE BASE COURSE
- 10 6" TOPSOIL, SEED, & MAT
- 11 EXCAVATION LIMIT TO RIGHT-OF-WAY

DATE ---	BY ---	REVISION ---	DATE ---	BY ---	REVISION ---	DATE ---	BY ---
MARK ---			Date: 11/30/2022 11:12 AM			Scale: #####	
13014			MADISON, WI			8642	
CONTRACT NO:			13014				
FINISHED TYPICAL SECTIONS			WEST TOWNE PATH - PHASE 3				
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13014			D-2				



RADIAL DETECTABLE WARNING FIELD  
PER WISDOT SDD 08D05-f (SEE SPECS)  
RADIAL WARNING FIELD AREA = 27.1 SF

MARK	REVISION	DATE	BY
13014	13014	2/16/2023 10:01 AM	13014
Designed By: AJC	Date: 2/16/2023 10:01 AM	Scale: #####	D-3

13014  
MADISON, WI  
CONTRACT NO: 8642

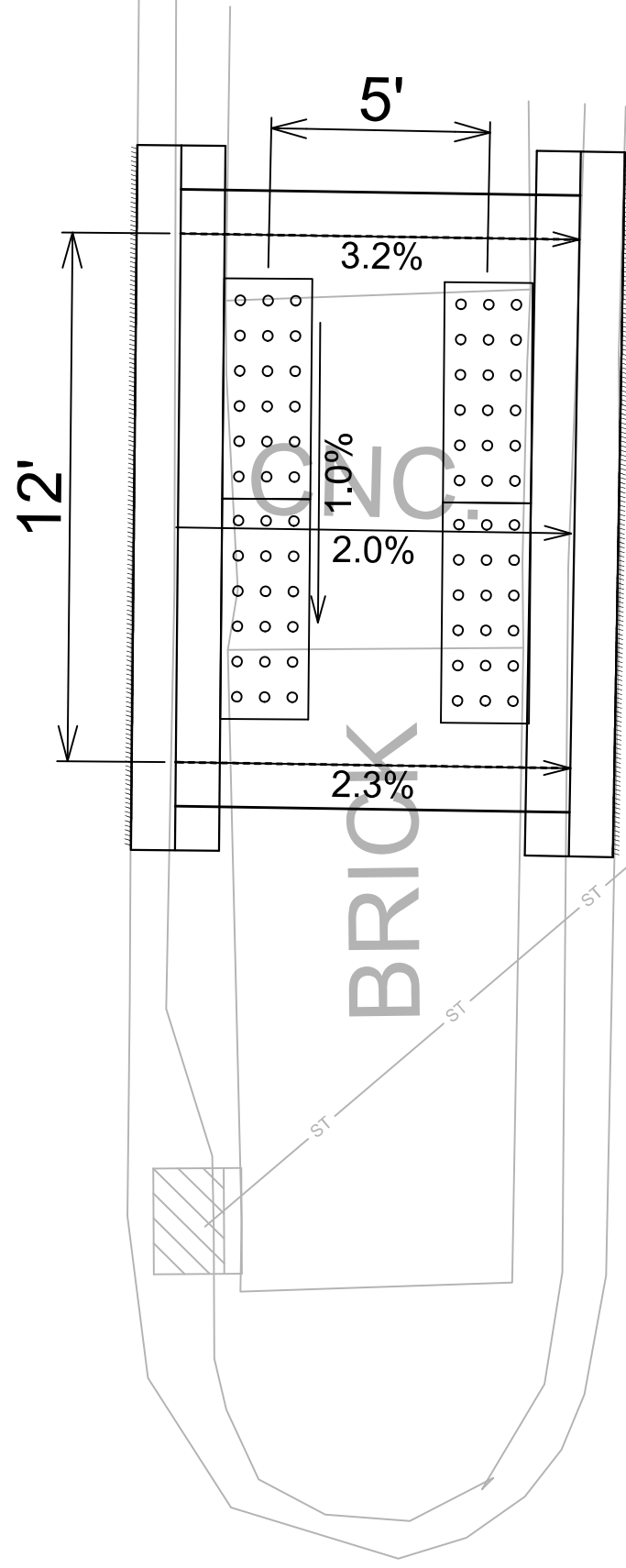
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D-3

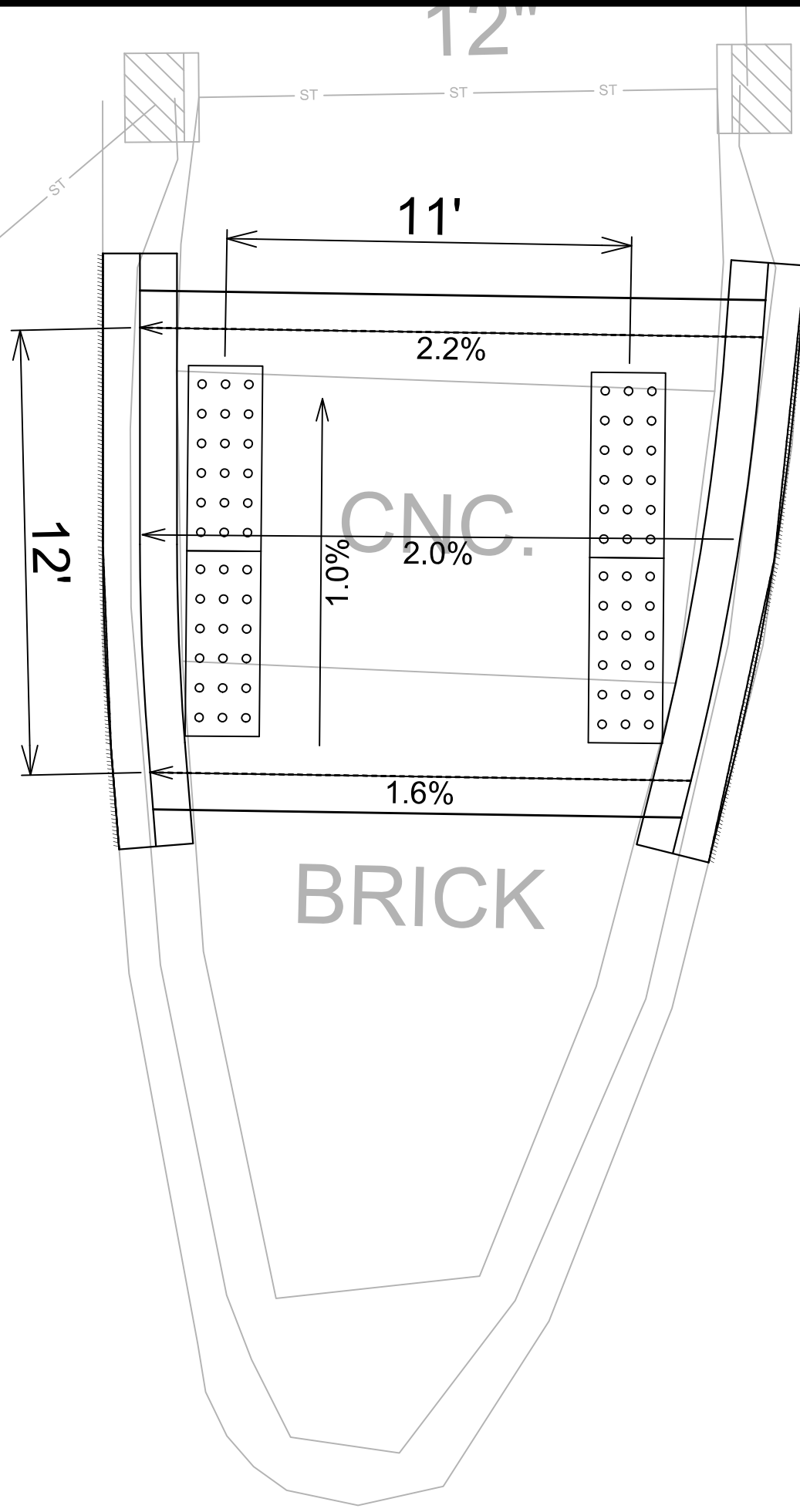


S JUNCTION RD



S JUNCTION RD

S JUNCTION RD



S JUNCTION RD



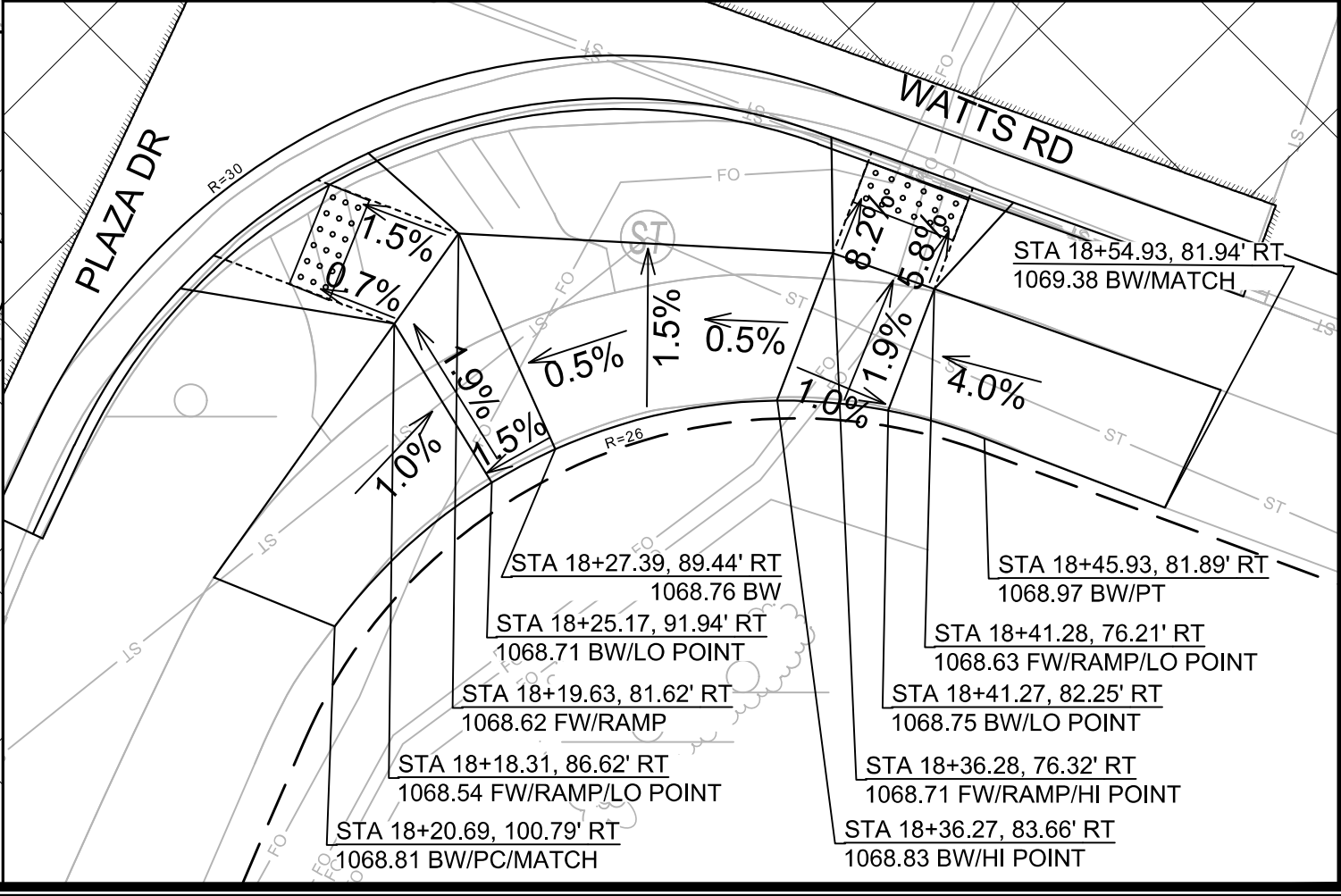
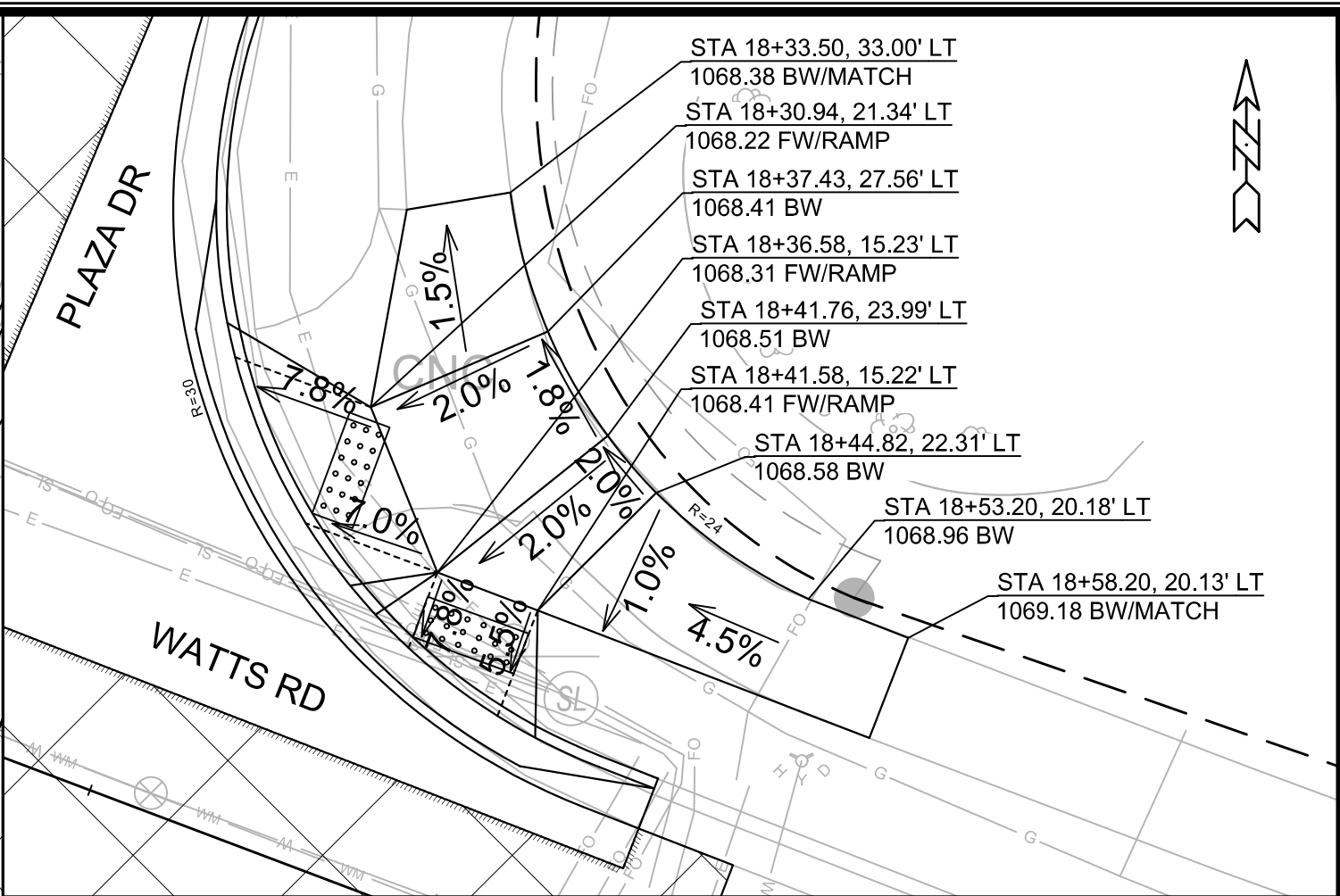
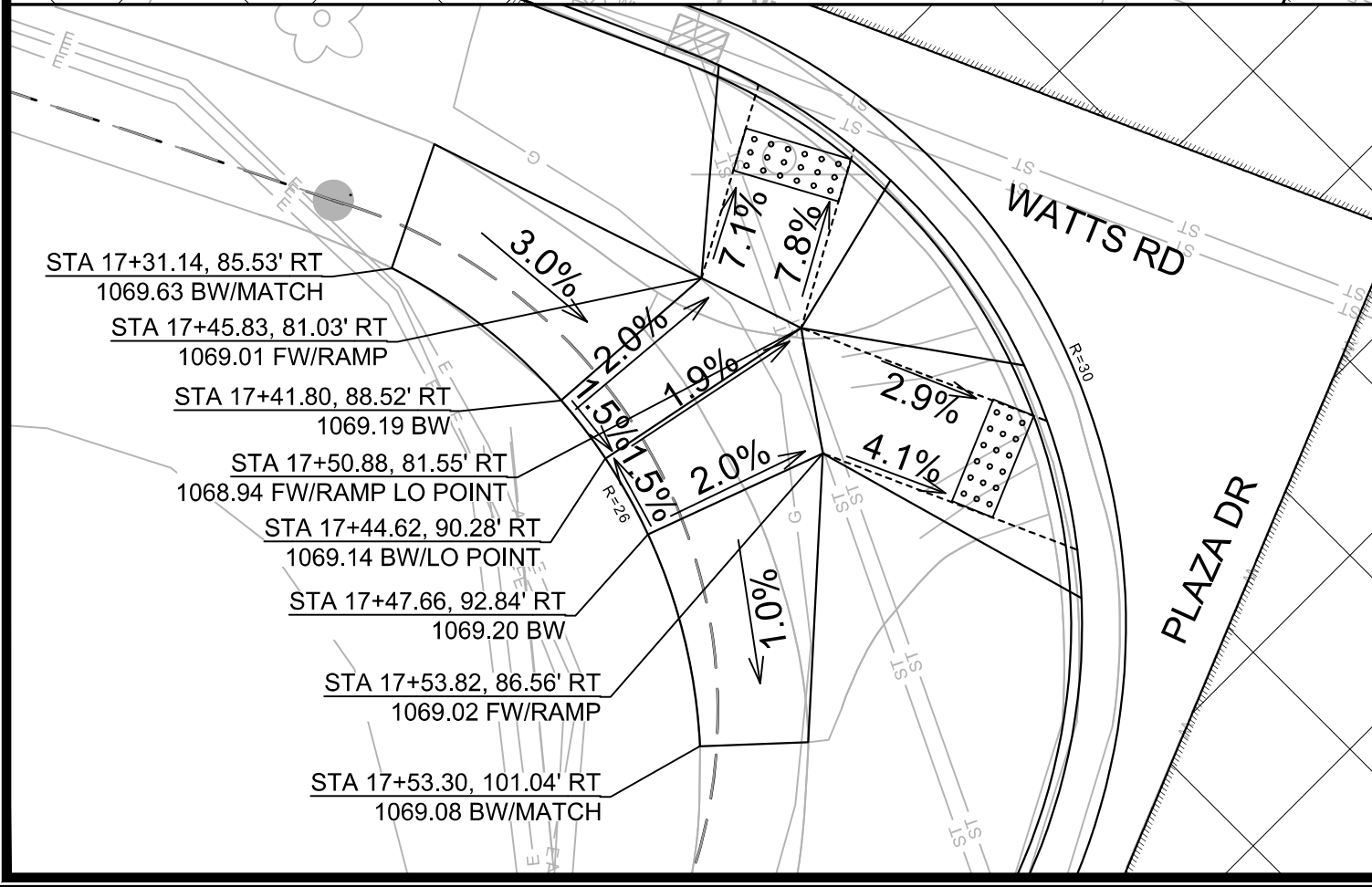
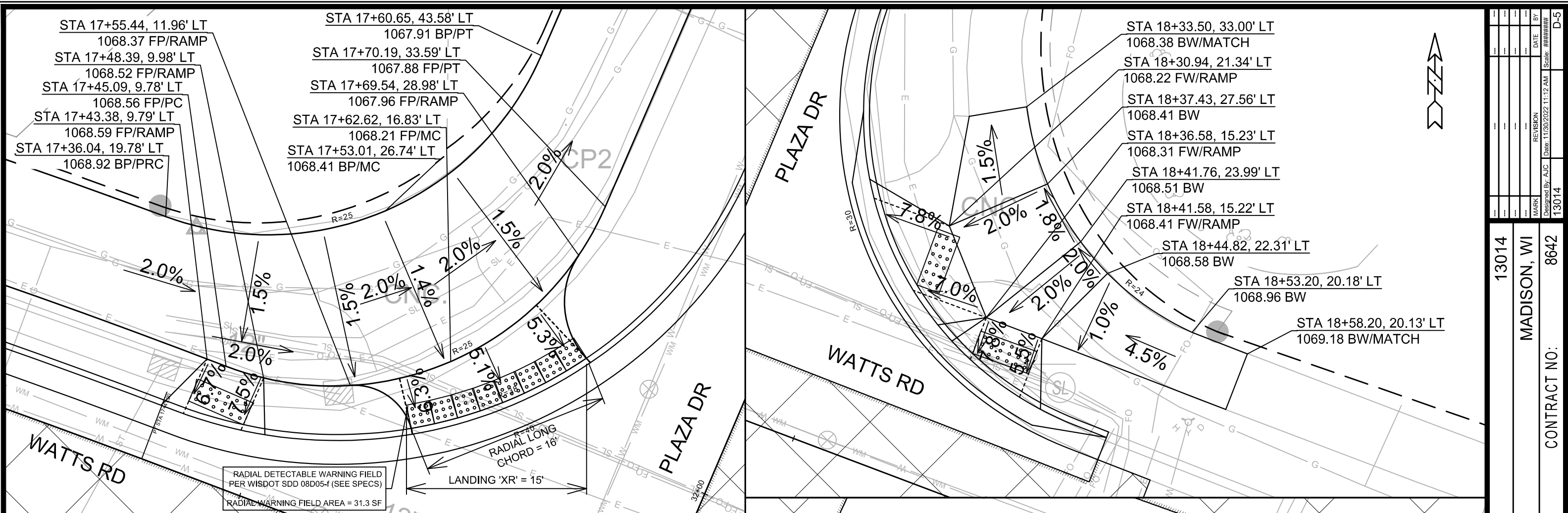
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D-4

CURB RAMP DETAILS  
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13014  
MADISON, WI  
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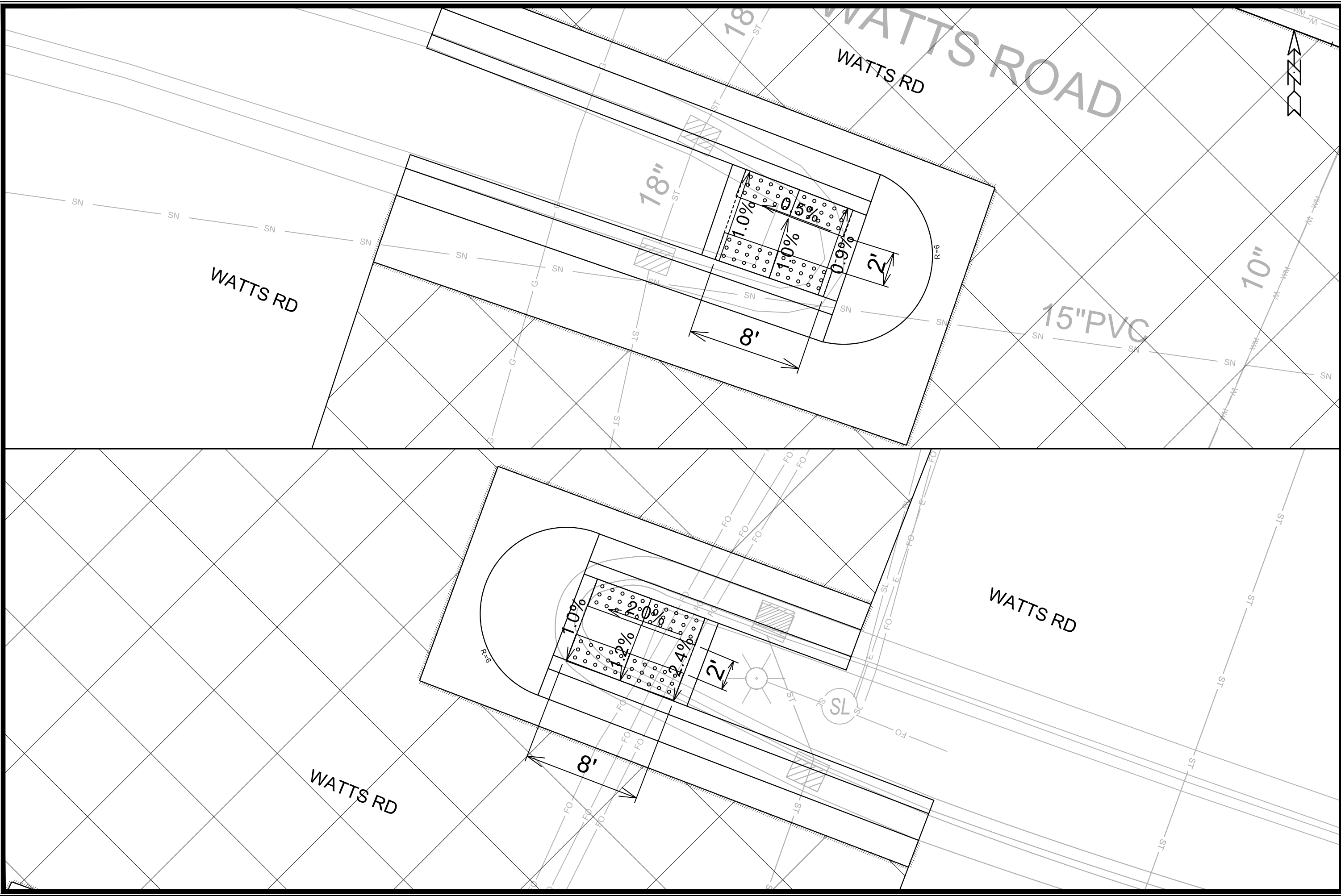
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DESIGNED BY: AUC	DATE: 11/30/2022	BY: D-5
MARK: 13014	REVISION:	SCALE: #/###


13014  
 MADISON, WI  
 CONTRACT NO: 8642  
 CURB RAMP DETAILS  
 WEST TOWNE PATH - PHASE 3  
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 D-5

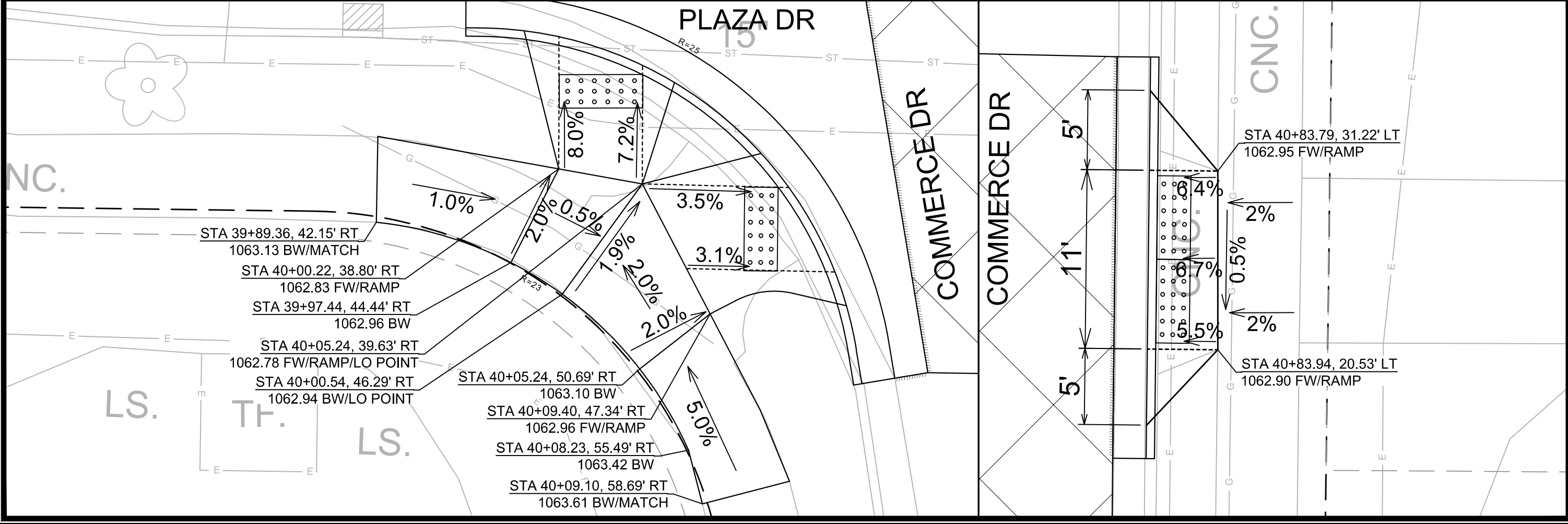
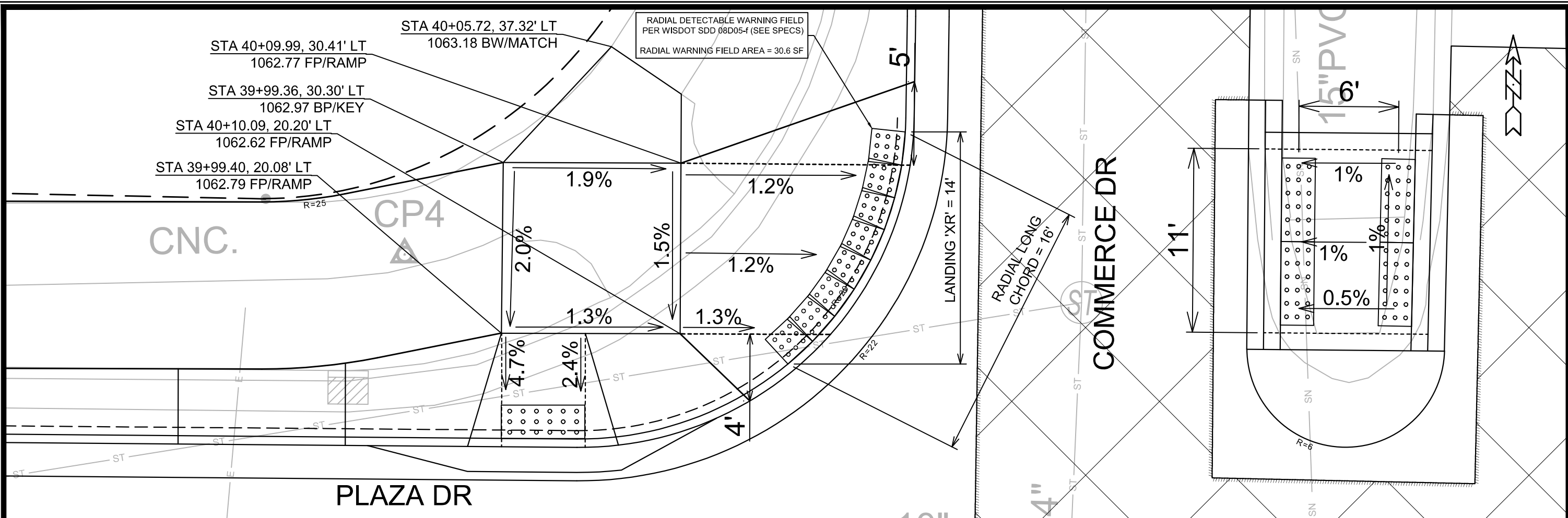


MARK	REVISION	DATE	BY

13014  
 MADISON, WI  
 CONTRACT NO: 8642

CURB RAMP DETAILS  
 WEST TOWNE PATH - PHASE 3  
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 D-6



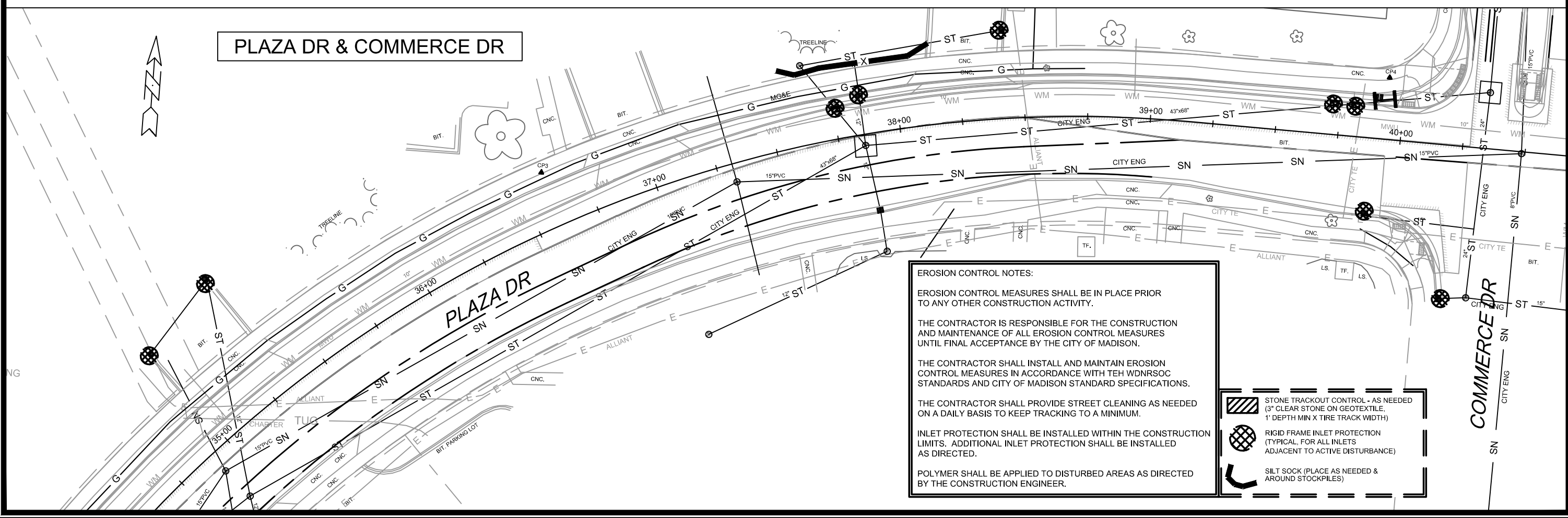
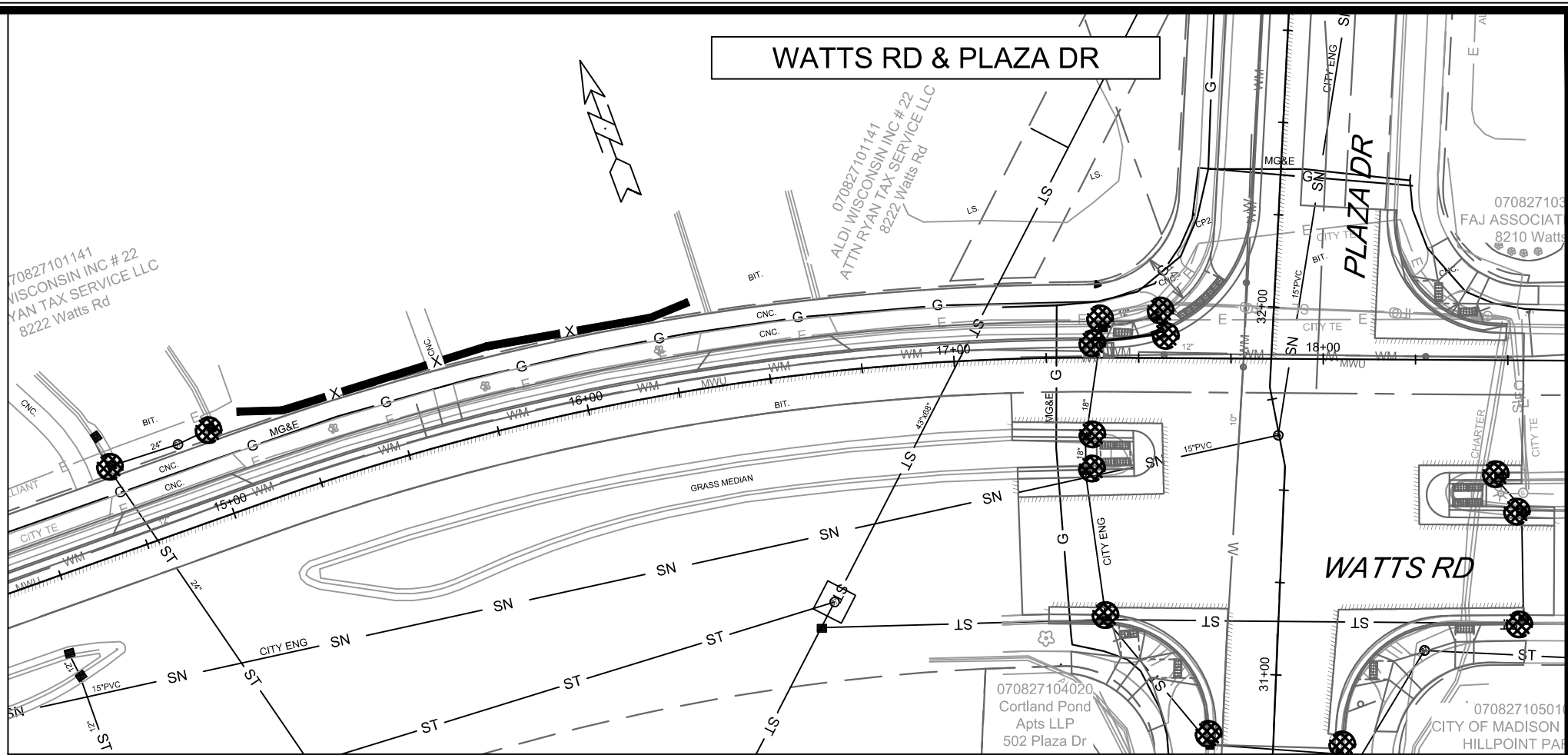
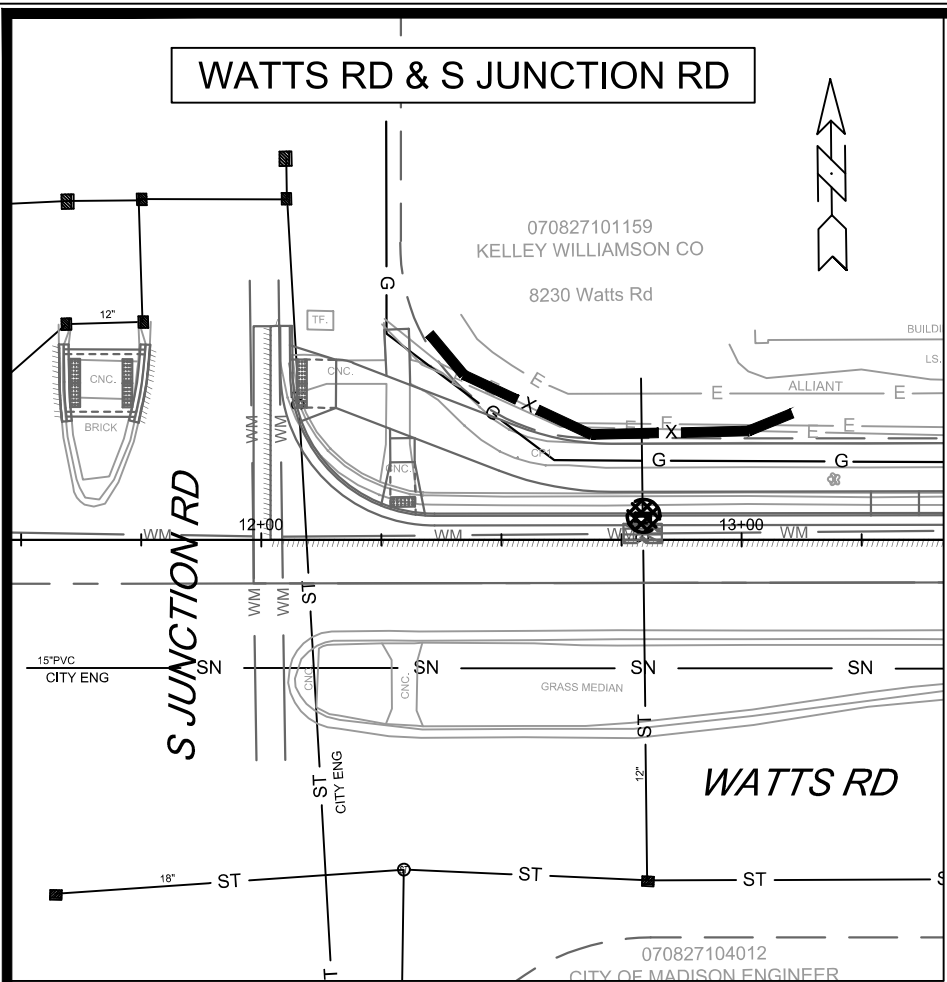
REVISION	DATE	BY


13014  
 MADISON, WI  
 CONTRACT NO: 8642

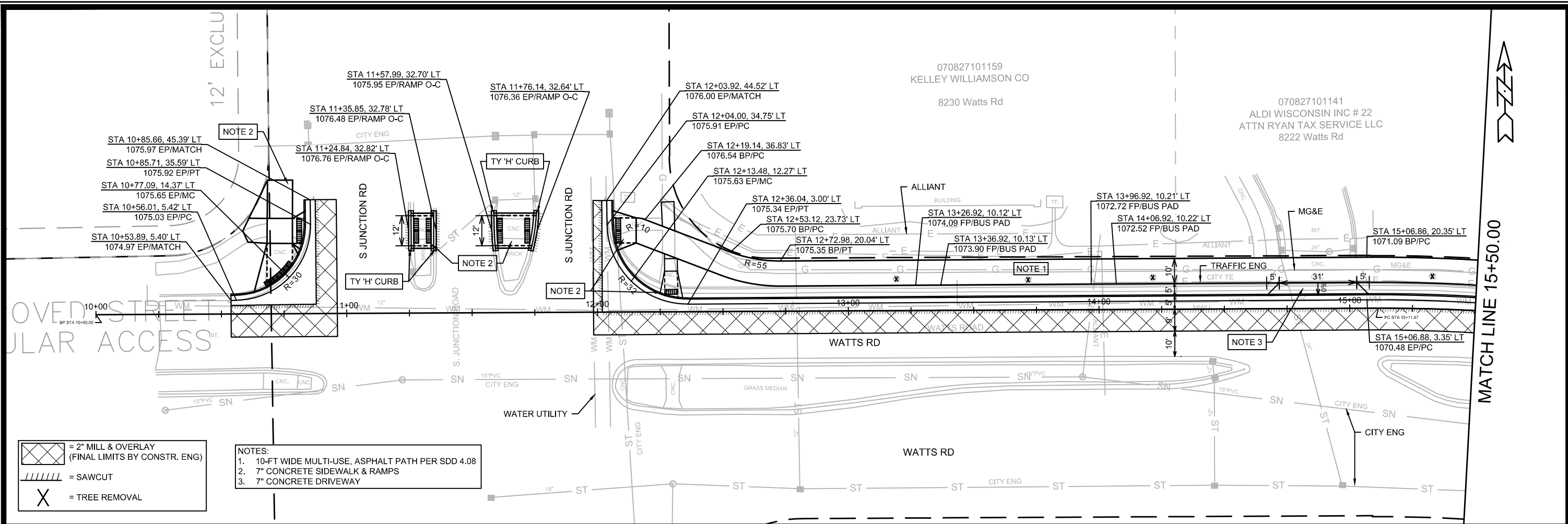
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13014  
 D-7



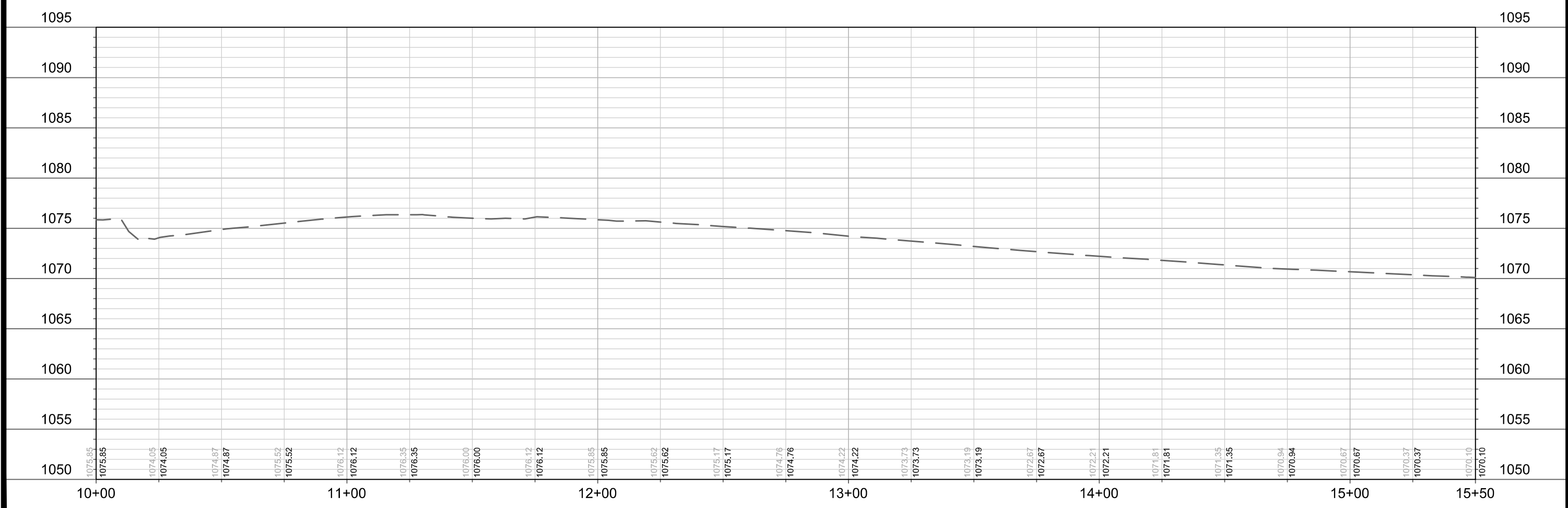


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<b>EROSION CONTROL PLAN</b>				
<b>WEST TOWNE PATH - PHASE 3</b>				
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<b>13014</b>				
<b>EC-1</b>				



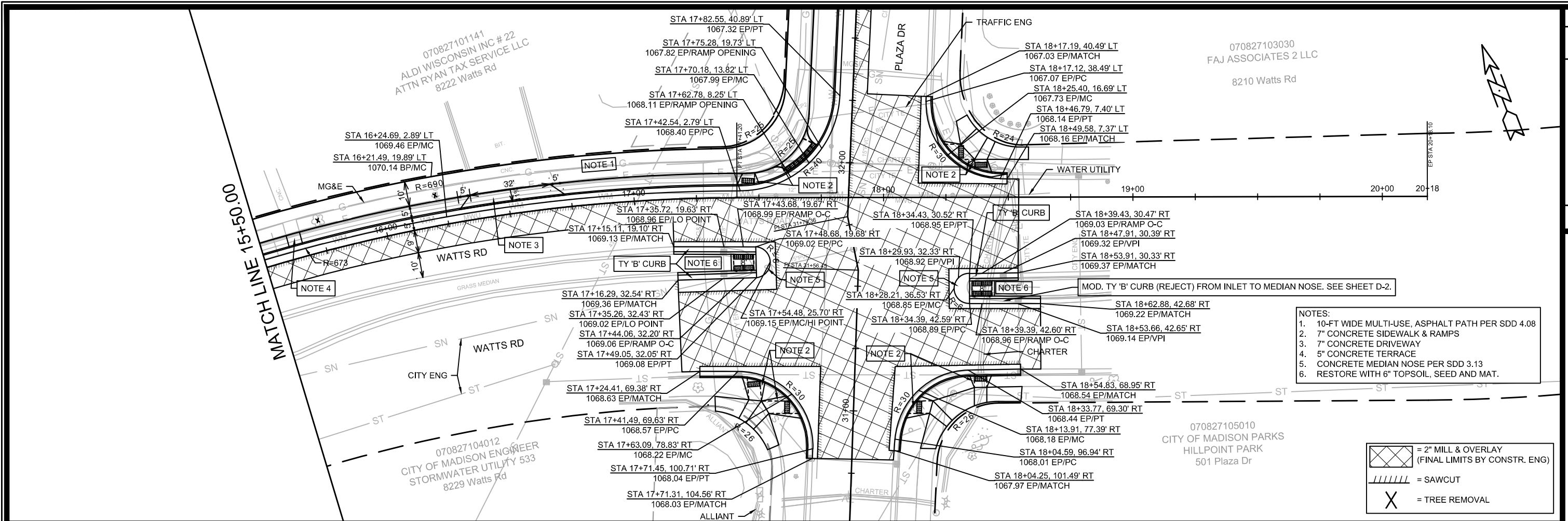
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- = SAWCUT
- = TREE REMOVAL

- NOTES:
1. 10-FT WIDE MULTI-USE, ASPHALT PATH PER SDD 4.08
  2. 7" CONCRETE SIDEWALK & RAMPS
  3. 7" CONCRETE DRIVEWAY



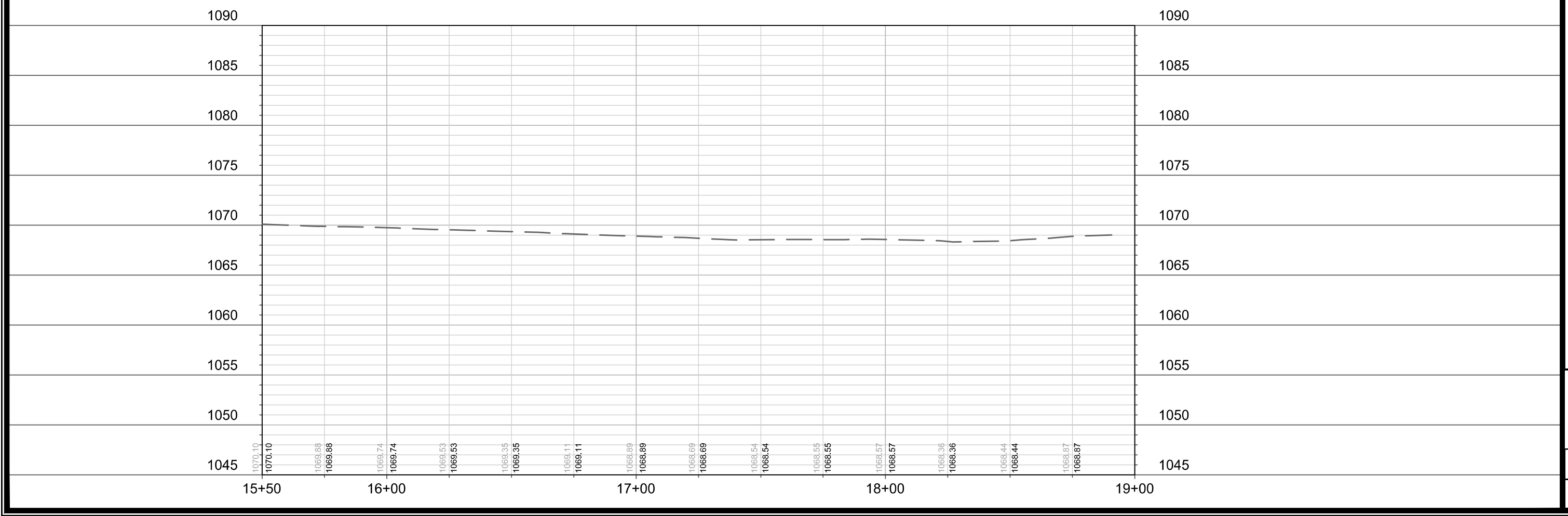
13014	MADISON, WI	8642	13014	P-1
WATTS RD - PLAN & PROFILE		WEST TOWNE PATH - PHASE 3		
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P-1				



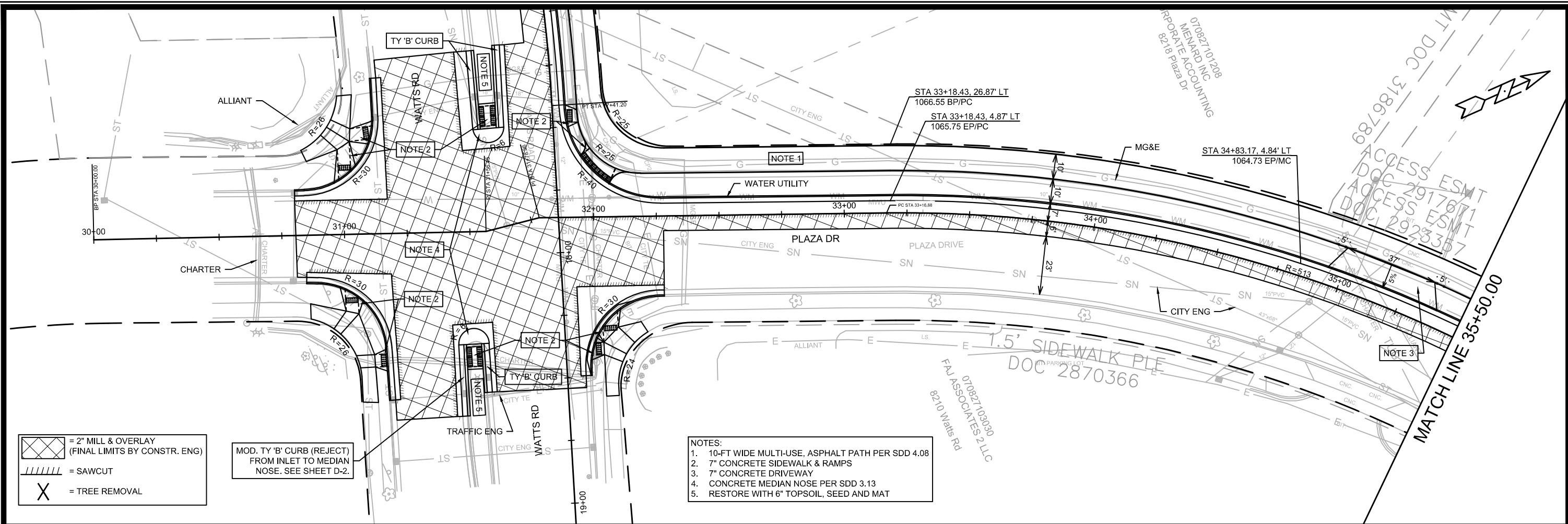


- NOTES:
- 10-FT WIDE MULTI-USE, ASPHALT PATH PER SDD 4.08
  - 7" CONCRETE SIDEWALK & RAMPS
  - 7" CONCRETE DRIVEWAY
  - 5" CONCRETE TERRACE
  - CONCRETE MEDIAN NOSE PER SDD 3.13
  - RESTORE WITH 6" TOPSOIL, SEED AND MAT.

- = 2" MILL & OVERLAY (FINAL LIMITS BY CONSTR. ENG)
- = SAWCUT
- = TREE REMOVAL

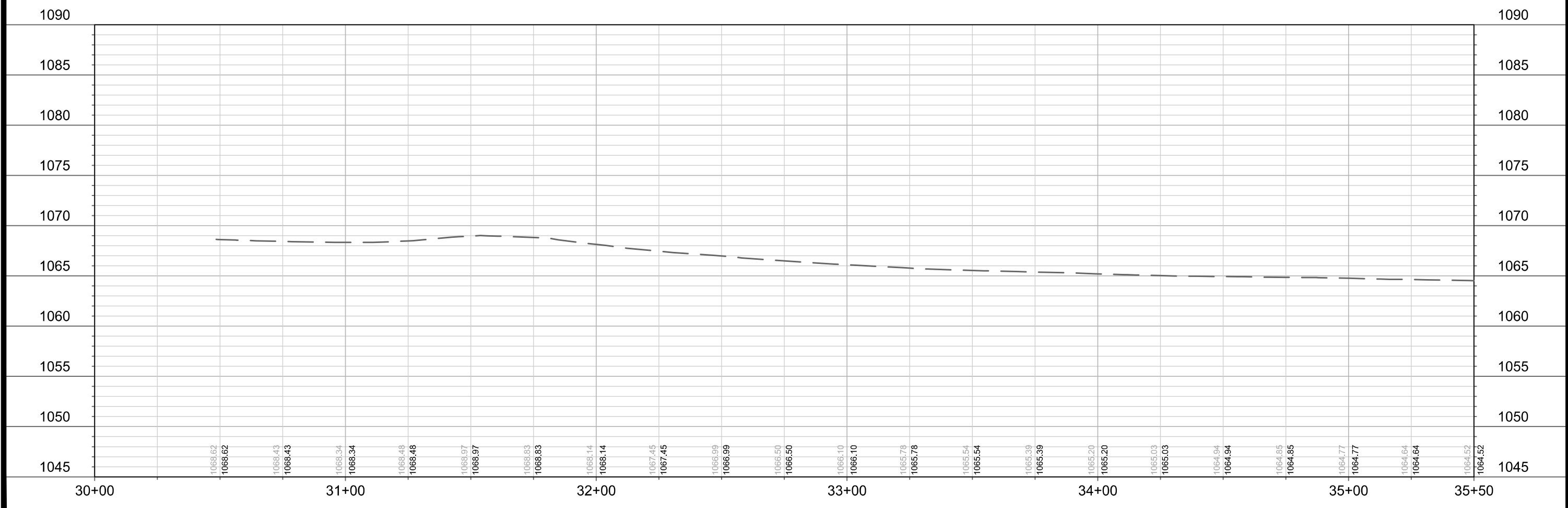


13014	MADISON, WI	8642
CONTRACT NO:		
WATTS RD - PLAN & PROFILE	WEST TOWNE PATH - PHASE 3	M:\DESIGN\Projects\13014\CAD\Streets\13014EN-P&P.dwg
13014		P-2

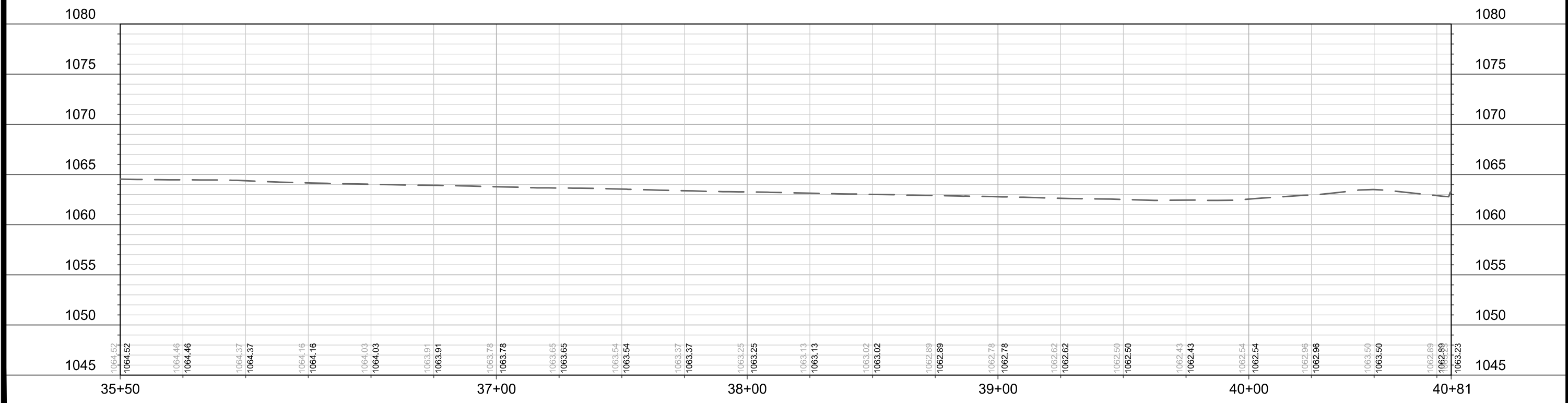
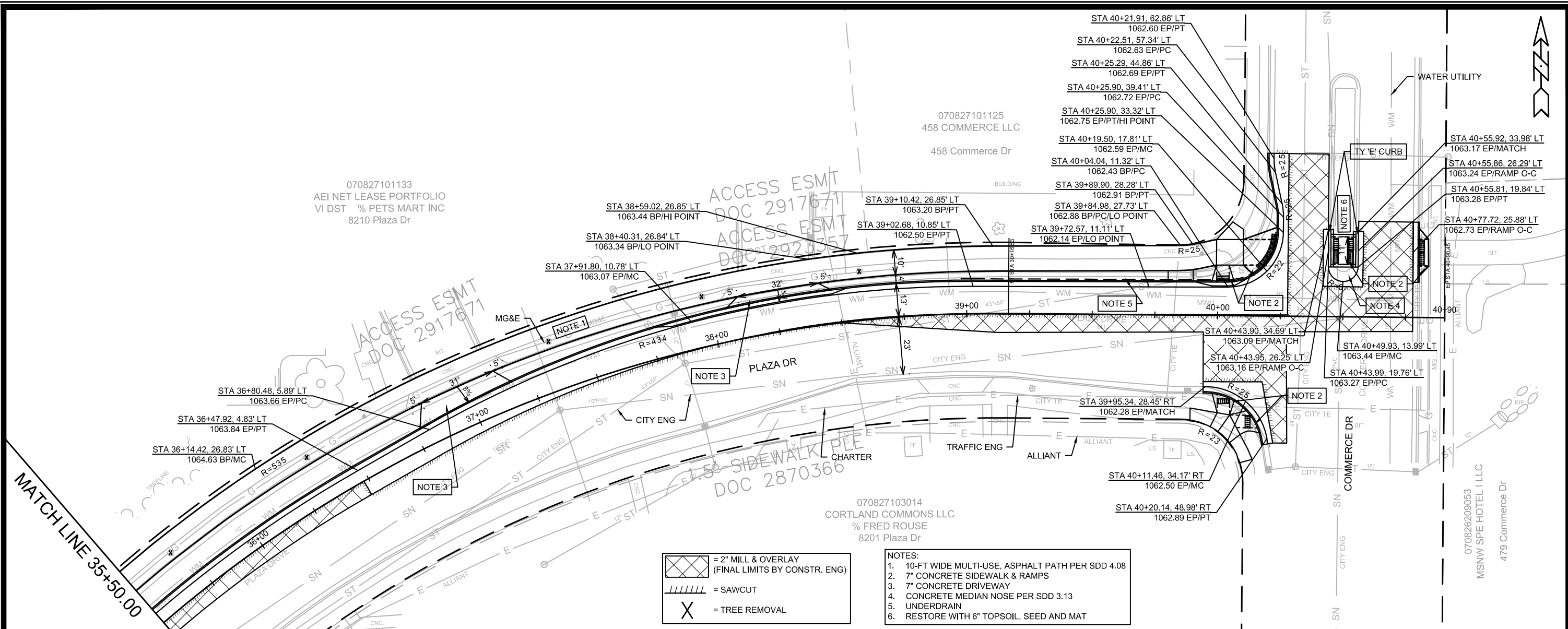


= 2" MILL & OVERLAY (FINAL LIMITS BY CONSTR. ENG)  
 = SAWCUT  
 = TREE REMOVAL

MOD. TY 'B' CURB (REJECT) FROM INLET TO MEDIAN NOSE. SEE SHEET D-2.



13014	13014	13014	13014
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CONTRACT NO:	CONTRACT NO:	CONTRACT NO:	CONTRACT NO:
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WEST TOWNE PATH - PHASE 3	WEST TOWNE PATH - PHASE 3	WEST TOWNE PATH - PHASE 3	WEST TOWNE PATH - PHASE 3
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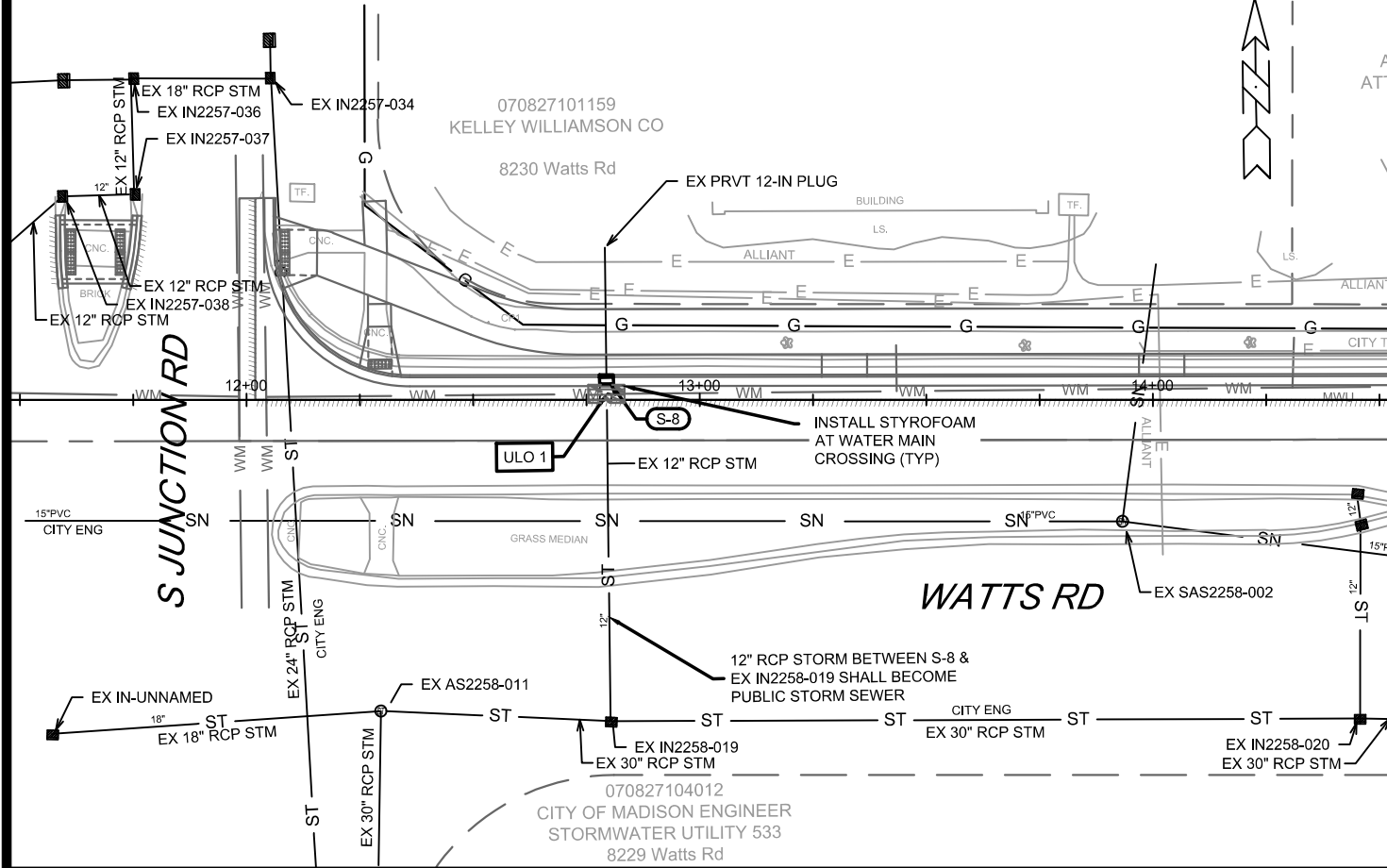
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REVISION	DATE	BY
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13014  
 MADISON, WI  
 8642  
 CONTRACT NO.:

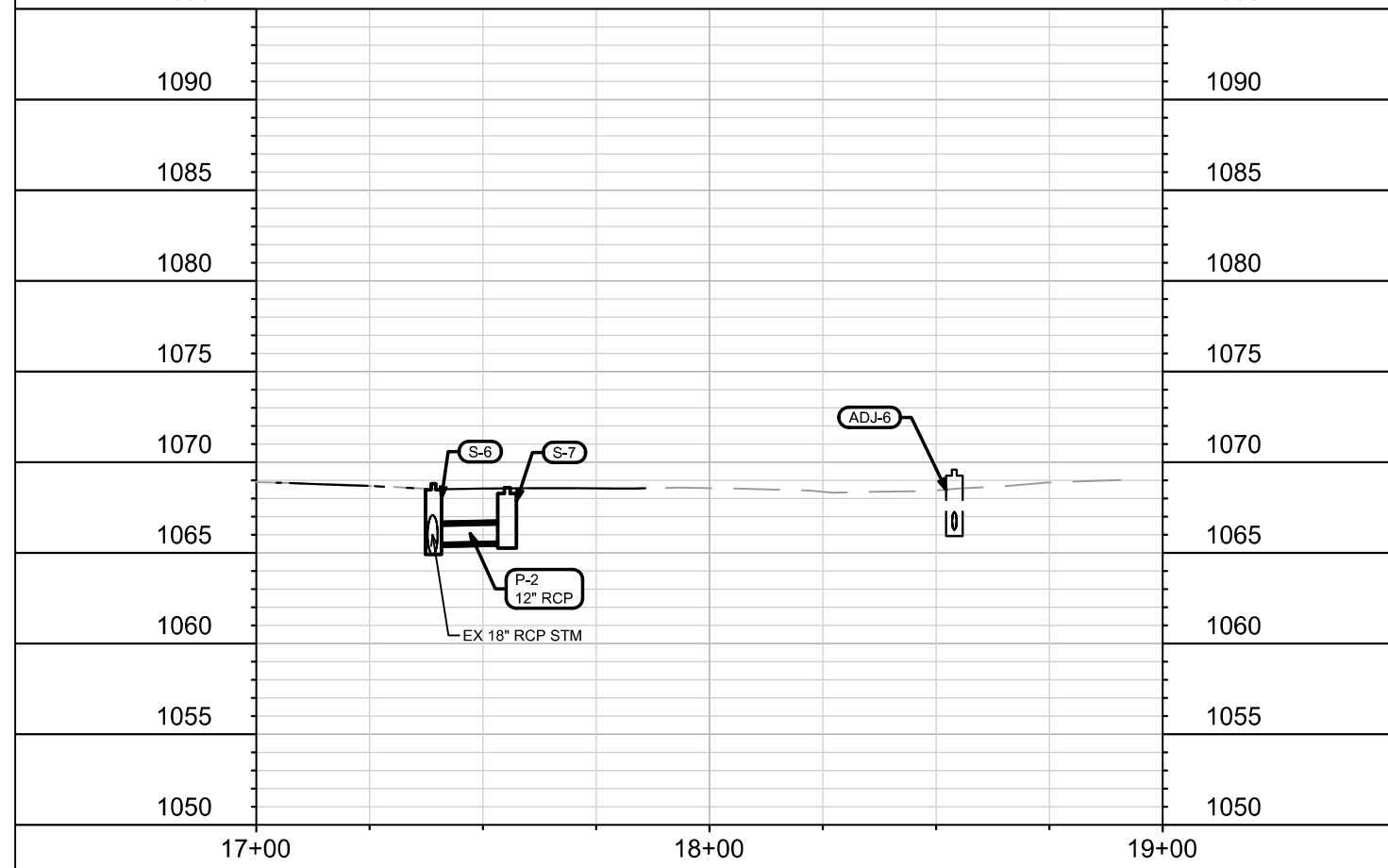
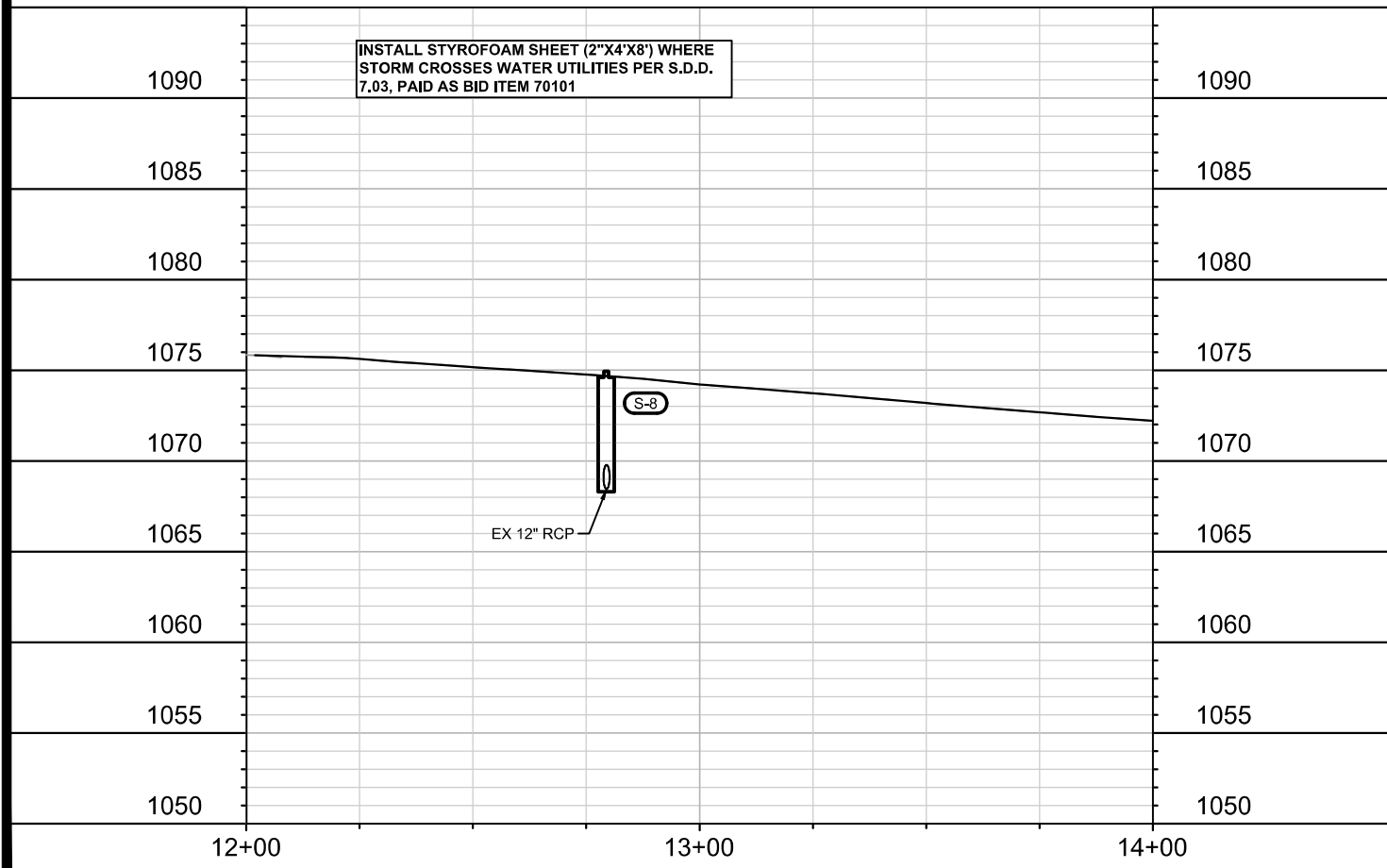
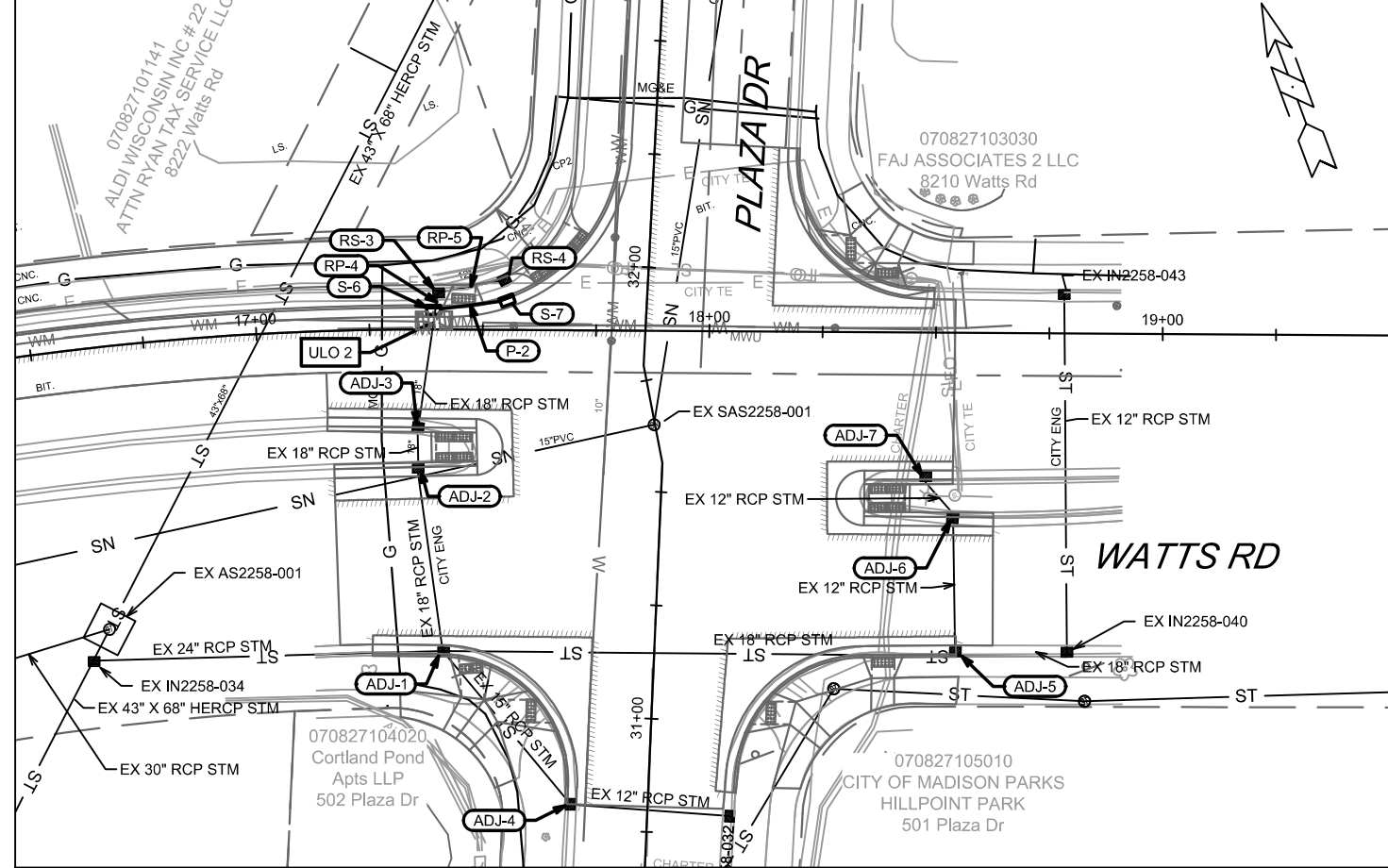
PLAZA DR - PLAN & PROFILE  
 WEST TOWNE PATH - PHASE 3  
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13014  
 P-4

**WATTS RD & S JUNCTION RD**



**WATTS RD & PLAZA DR**



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MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI
CONTRACT NO: 8642	CONTRACT NO: 8642	CONTRACT NO: 8642	CONTRACT NO: 8642
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WEST TOWNE PATH - PHASE 3	WEST TOWNE PATH - PHASE 3	WEST TOWNE PATH - PHASE 3	WEST TOWNE PATH - PHASE 3
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13014	13014	13014	13014
U-1	U-1	U-1	U-1



# STORM SEWER SCHEDULE

WEST TOWNE PATH - PHASE 3	SHEET NO.	U-3
PROJECT NO. 13014	U-3	
STORM SEWER SCHEDULE		
CITY OF MADISON		

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>PLAZA DR</b>							
S-1	39+96.44	LT-16.34	43x68 MACWRAP	-	-	-	[1]
S-2	39+88.57	LT-14.95	43X68 MACWRAP	-	-	-	[1]
S-3	39+81.07	LT-12.67	SADDLED INLET TYPE 2	1062.60	1056.76	5.84	FP; [2] W/R-3067-7004V
S-4	39+72.53	LT-12.61	SADDLED INLET TYPE 2	1062.52	1056.81	5.71	LP; FP; [2] W/R-3067-7004VB
S-5	37+76.12	LT-11.88	SADDLED INLET TYPE 1	1063.52	1058.14	5.38	[3] W/R-3067-7004V
<b>WATTS RD</b>							
S-6	17+39.13	LT-4.28	H INLET	1068.81	1065.26	3.55	[4] W/R-3067-7004V
S-7	17+55.36	LT-6.46	H INLET	1068.60	1065.60	3.00	W/R-3067-7004V
S-8	12+79.43	LT-4.55	H INLET	1074.94	1069.00	5.94	[5] W/R-3067-7004V

## STORM STRUCTURE REMOVALS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	DEPTH (FT)	NOTES
<b>PLAZA DR</b>						
RS-1	IN2557-022	39+90.31	LT-16.58	SADDLED INLET	6.21	SAVE CASTING
RS-2	IN2257-005	37+85.97	LT-16.00	H INLET	3.99	SAVE CASTING
<b>WATTS RD</b>						
RS-3	IN2258-070	17+40.07	LT-8.04	H INLET	3.40	SAVE CASTING
RS-4	IN2258-071	17+54.73	LT-11.02	H INLET	3.05	SAVE CASTING

## STORM STRUCTURE ADJUSTMENTS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	EX TOC	PROP TOC	RIM ADJ (FT)	NOTES
<b>WATTS RD</b>								
ADJ-1	IN2258-027	31+12.74	LT-46.78	3'X3' SAS	1068.97	1068.95	-0.02	SALVAGE CAST
ADJ-2	IN2258-068	31+65.62	LT-53.11	H INLET	1069.50	1069.40	-0.10	LP; W/ VB GRATE
ADJ-3	IN2258-069	31+74.23	LT-51.47	H INLET	1069.35	1069.34	-0.01	LP; W/ VB GRATE
ADJ-4	IN2558-033	30+80.41	LT-17.25	H INLET	1068.31	1068.41	0.10	SALVAGE CAST
ADJ-5	IN2258-039	31+17.54	RT-66.51	H INLET	1068.89	1068.92	0.03	SALVAGE CAST
ADJ-6	IN2258-041	31+47.28	RT-64.60	H INLET	1069.59	1069.52	-0.07	SALVAGE CAST
ADJ-7	IN2258-042	31+55.32	RT-58.20	H INLET	1069.69	1069.70	0.01	SALVAGE CAST

## SPECIFIC NOTES:

- [1] APPROXIMATE LOCATIONS FOR EX 43"X68" PIPE END SECTIONS AFTER REMOVAL OF RS-1.
- [2] INSTALL SADDLED INLET ON EXISTING 43"X68" HERCP.
- [3] INSTALL SADDLED INLET ON EX PRIVATE 24" RCP STM. SECTION FROM S-5 TO EX AS2257-004 SHALL BE PUBLIC SEWER MAIN AFTER STRUCTURE INSTALLATION.
- [4] CONNECT TO EX 18" RCP AT E.I. GIVEN IN SCHEDULE.
- [5] INSTALL SADDLED INLET ON EX PRIVATE 12" RCP STM. SECTION FROM S-5 TO EX IN2258-019 SHALL BE PUBLIC SEWER MAIN AFTER STRUCTURE INSTALLATION.

## STANDARD NOTES:

- 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.
- ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.
- ALL REBAR FOR FIELD POURED STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE.
- 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

## 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
<b>PLAZA DR</b>										
P-1	S-1	S-2	1056.67	1056.71	8	8	0.52%	43" X 68"	HERCP	
<b>WATTS RD</b>										
P-2	S-6	S-7	1065.52	1065.60	16	16	0.50%	12"	RCP	NCM

## STORM PIPE REMOVALS

PIPE REMOVAL NO.	REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	REM LENGTH PAID (FT)	PIPE SIZE	TYPE	NOTES
<b>PLAZA DR</b>								
RP-1	S-1	S-2	8	N	0	43" X 68"	HERCP	
RP-2	AS2257-004	RS-2	20	Y	20	12"	RCP	PLUG @ EX AS2257-004
RP-3	RS-2	STA37+86.23, LT-28.48	12	Y	12	12"	RCP	
RP-4	S-6	RS-3	4	N	0	18"	RCP	
<b>WATTS RD</b>								
RP-5	RS-3	RS-4	15	Y	15	12"	RCP	

## ULO SCHEDULE

ID NO. (OFFSET)	STATION	LOCATION (OFFSET)	TYPE	NOTES
<b>WATTS RD</b>				
ULO 1	12+79.46	LT-1.34	12" WAT MAIN & 12" RCP STM	
ULO 2	17+39.16	LT-1.66	12" WAT MAIN	
<b>PLAZA DR</b>				
ULO 3	34+77.68	LT-8.84	10" WAT MAIN	


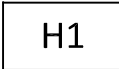
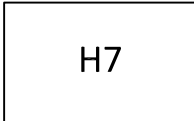

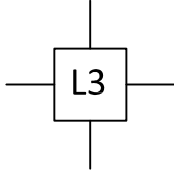


- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET 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 DANIEL OLIVARES OF CITY ENGINEERING AT (608) 261-9285 OR DAOLIVARES@CITYOFMADISON.COM. FOR PRECAST APPROVALS EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.



**GENERAL ELECTRICAL 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 JERRY SCHIPPA (267-1969), 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, 2023 EDITION" AND ADDENDUMS THERETO.
3. ALL CONDUITS SHALL BE PVC, SCHEDULE 80 BENEATH PAVEMENT, AND SCHEDULE 40 CONDUIT OTHERWISE. PULL WIRE SHALL BE INSTALLED IN ALL CONDUITS PER STANDARD SPECIFICATIONS.
4. THE CONTRACTOR SHALL CALL TROY VANT AT (395-1975) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF PLACING CONCRETE BASES, INSTALLING HANDHOLES, OR BURYING CONDUIT TO ARRANGE FOR INSPECTION.
5. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
6. COORDINATE WITH JERRY SCHIPPA (267-1969), CITY TRAFFIC ENGINEERING, ON STREET LIGHT OPERATION DURING CONSTRUCTION.
7. PERFORM TRAFFIC SIGNAL CABINET SWITCH DURING OFF PEAK HOURS OF 9AM - 4PM ON WEEKDAYS. NOTIFY JERRY SCHIPPA (267-1969) AT LEAST 48-HOURS IN ADVANCE OF CHANGING CONTROLLER CABINET TO SCHEDULE FIELD REVIEW OF OPERATION IMMEDIATELY UPON CABINET SWITCH.
8. THE CONTRACTOR SHALL ARRANGE FOR PICKUP OF THE FOLLOWING CITY FURNISHED MATERIALS, WHICH SHOULD BE ARRANGED BY CALLING ED SMITH, TRAFFIC ENGINEERING SHOP (266-9034), AT LEAST 24-HOURS PRIOR TO PICKING UP MATERIALS.
  - 8.1. (24) 1" x 40" ANCHOR BOLTS FOR (6) LB-3 BASES
  - 8.2. (4)  $\frac{3}{4}$ " x 19" ANCHOR BOLTS FOR (1) TYPE G BASE
  - 8.3. TRAFFIC SIGNAL CONTROL CABINET

**LEGEND**

- |   |                                  |
|---|----------------------------------|
|  | ELECTRICAL HANDHOLE TYPE III     |
|  | ELECTRICAL HANDHOLE TYPE I       |
|  | ELECTRICAL HANDHOLE TYPE VII     |
|  | TYPE G BASE                      |
|  | TYPE LB-3 BASE WITH STREET LIGHT |
|  | PEDESTRIAN SIGNAL HEAD           |
|  | TRAFFIC SIGNAL HEAD              |

13014	MADISON, WI	13014	13014	13014	13014	13014	13014
GENERAL ELECTRICAL NOTES		WEST TOWNE PATH - PHASE 3		MADISON, WI		13014	
M:\DESIGN\Projects\13014\CAD\Traffic\13014TE-Electrical.dwg		CONTRACT NO: 8642		Scale: Custom		E-1	
13014		E-1		13014		E-1	

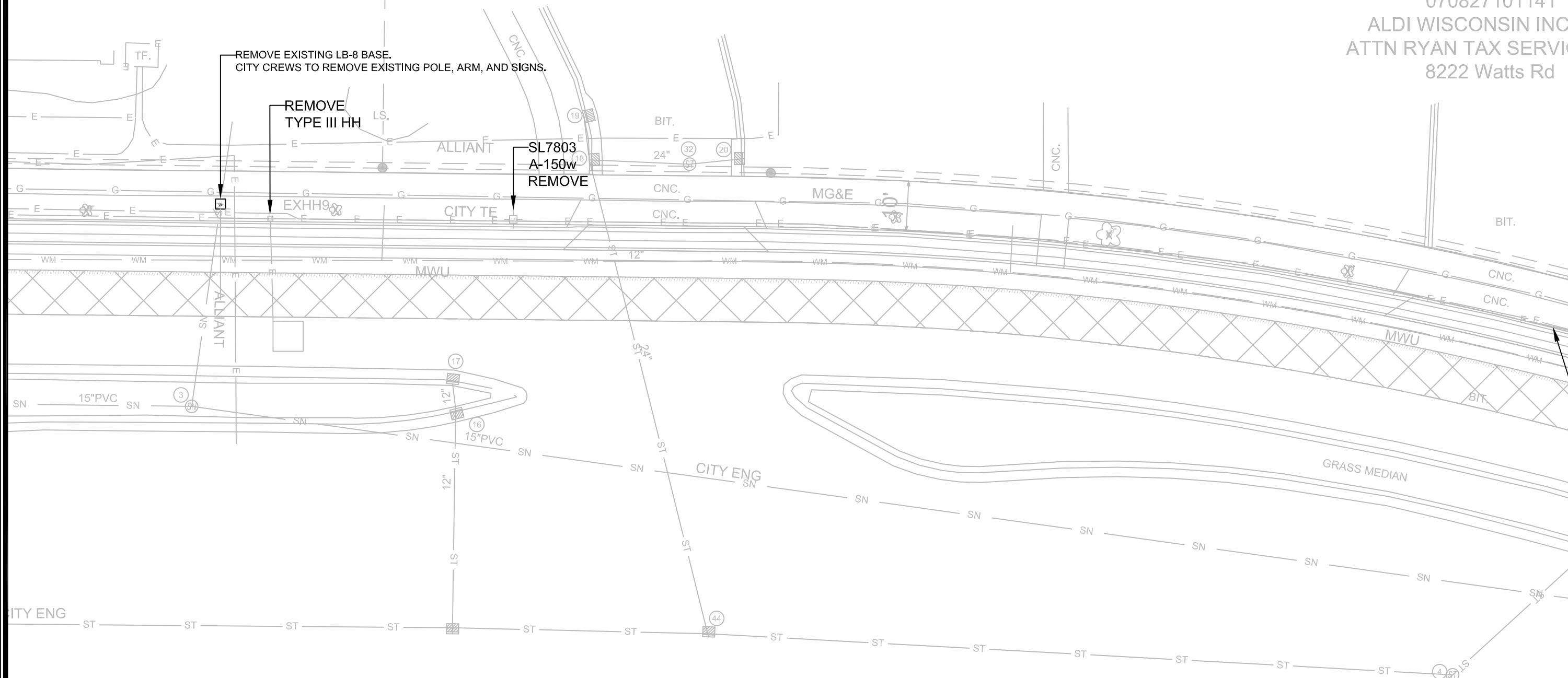




159  
MADISON CO  
Rd

070827101141  
ALDI WISCONSIN INC # 22  
ATTN RYAN TAX SERVICE LLC  
8222 Watts Rd

070827101141  
ALDI WISCONSIN INC  
ATTN RYAN TAX SERVICE  
8222 Watts Rd



MARK	REVISION	DATE	BY
###	###	###	###
###	###	###	###
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13014  
MADISON, WI  
CONTRACT NO: 8642

ELECTRIC - REMOVALS  
WEST TOWNE PATH - PHASE 3  
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13014  
E-3

INC # 22  
RVICE LLC  
Rd

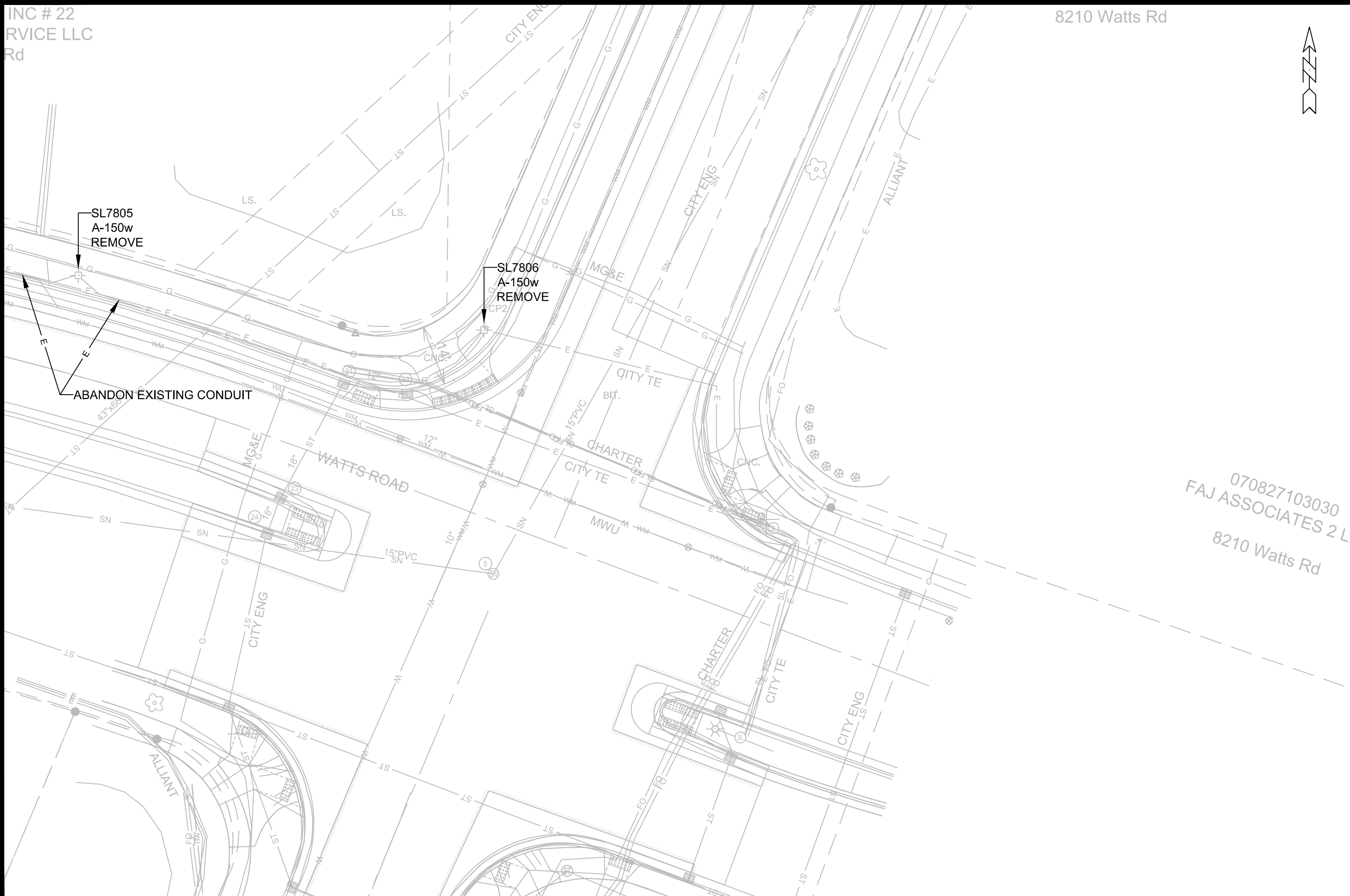
8210 Watts Rd



SL7805  
A-150w  
REMOVE

SL7806  
A-150w  
REMOVE

ABANDON EXISTING CONDUIT



070827103030  
FAJ ASSOCIATES 2 LL  
8210 Watts Rd

MARK	REVISION	DATE	BY
###	###	###	###
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13014  
MADISON, WI  
8642  
CONTRACT NO:

ELECTRIC - REMOVALS  
WEST TOWNE PATH - PHASE 3  
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13014  
E-4

070827101125  
458 COMMERCE LLC

458 Commerce Dr

BUILDING

MT  
TF.  
SM  
357

ALLIANT

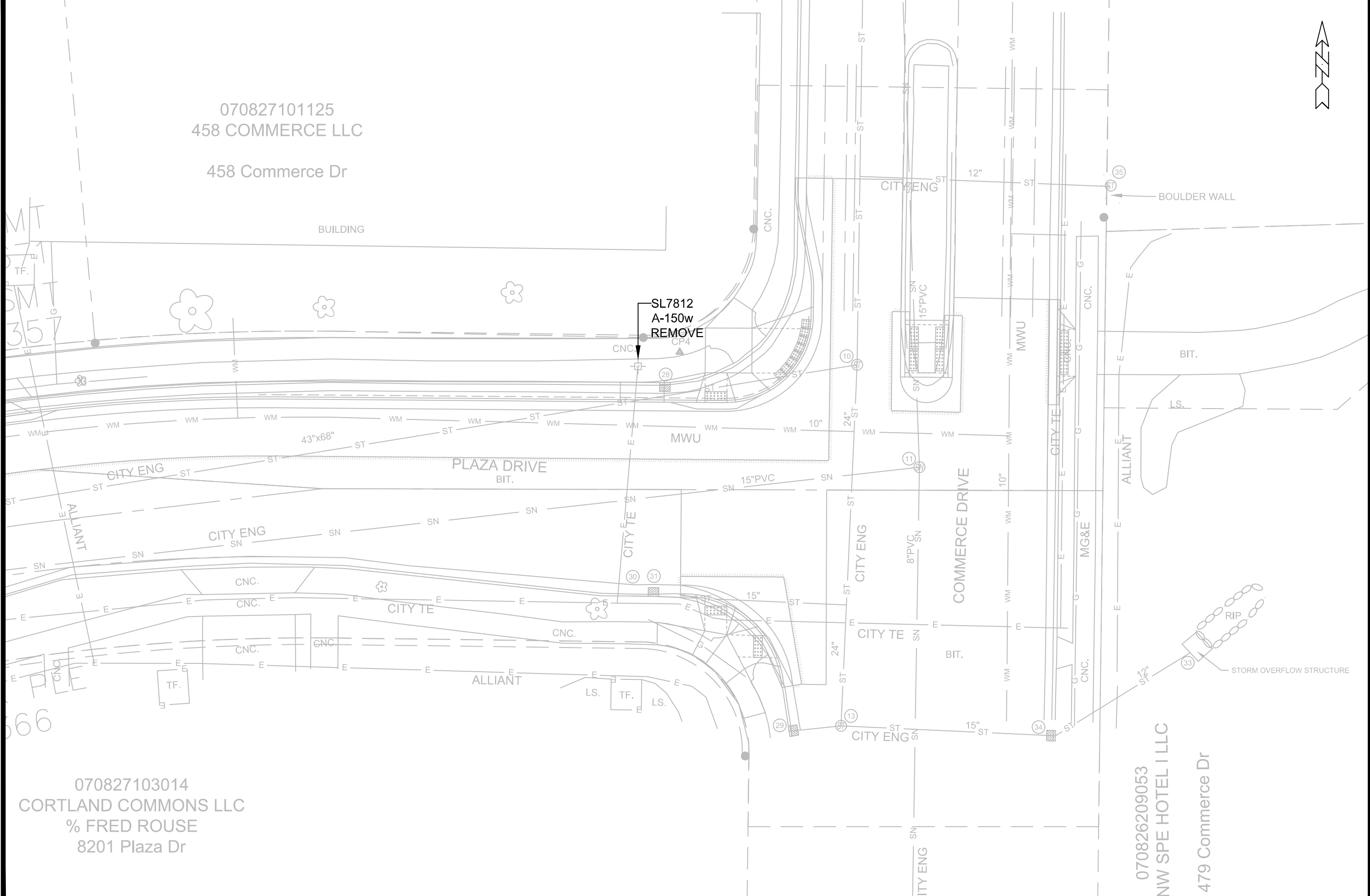
666

070827103014  
CORTLAND COMMONS LLC  
% FRED ROUSE  
8201 Plaza Dr

SL7812  
A-150w  
REMOVE

070826209053  
NW SPE HOTEL I LLC

479 Commerce Dr



MARK	REVISION	DATE	BY
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13014  
MADISON, WI  
8642  
CONTRACT NO:

ELECTRIC - REMOVALS  
WEST TOWNE PATH - PHASE 3  
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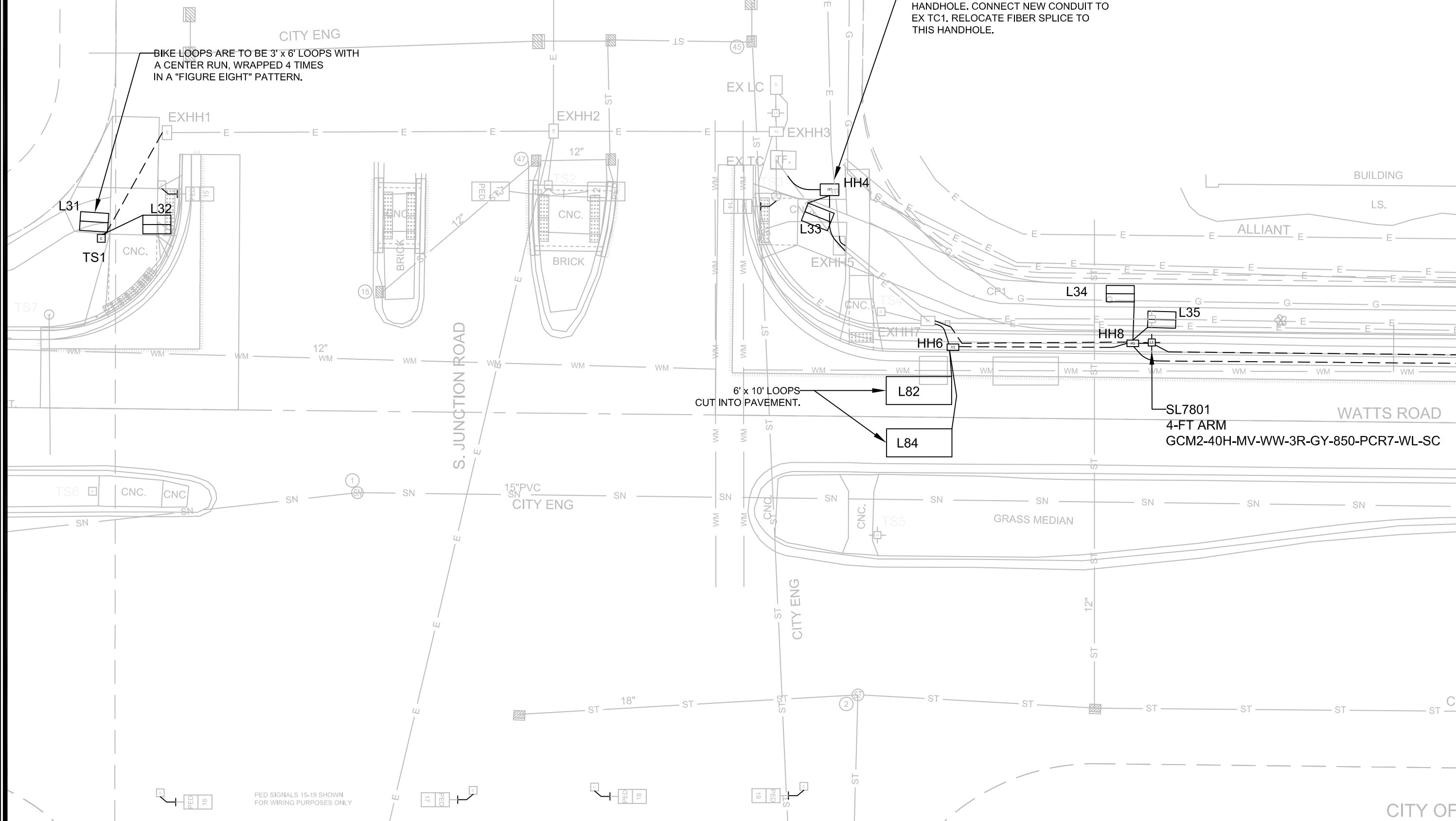


13014  
E-5

Scale: 1/20  
E-5

12' EX

0708/1101  
KELLEY WILLIAM  
8230 Watts



BIKE LOOPS ARE TO BE 3' x 6' LOOPS WITH  
A CENTER RUN, WRAPPED 4 TIMES  
IN A "FIGURE EIGHT" PATTERN.

INTERCEPT CONDUIT FROM EX TYPE VII  
HANDHOLE. CONNECT NEW CONDUIT TO  
EX TC1. RELOCATE FIBER SPLICE TO  
THIS HANDHOLE.

6' x 10' LOOPS  
CUT INTO PAVEMENT.

SL7801  
4-FT ARM  
GCM2-40H-MV-WW-3R-GY-850-PCR7-WL-SC

PED SIGNALS 15-19 SHOWN  
FOR WIRING PURPOSES ONLY

REVISION	DATE	BY
###	###	###
###	###	###
###	###	###
###	###	###
###	###	###

Designed By: JLS Date: 3/14/2023  
Mark: JLS

13014  
MADISON, WI  
CONTRACT NO: 8642

ELECTRIC - INSTALL  
WEST TOWNE PATH - PHASE 3  
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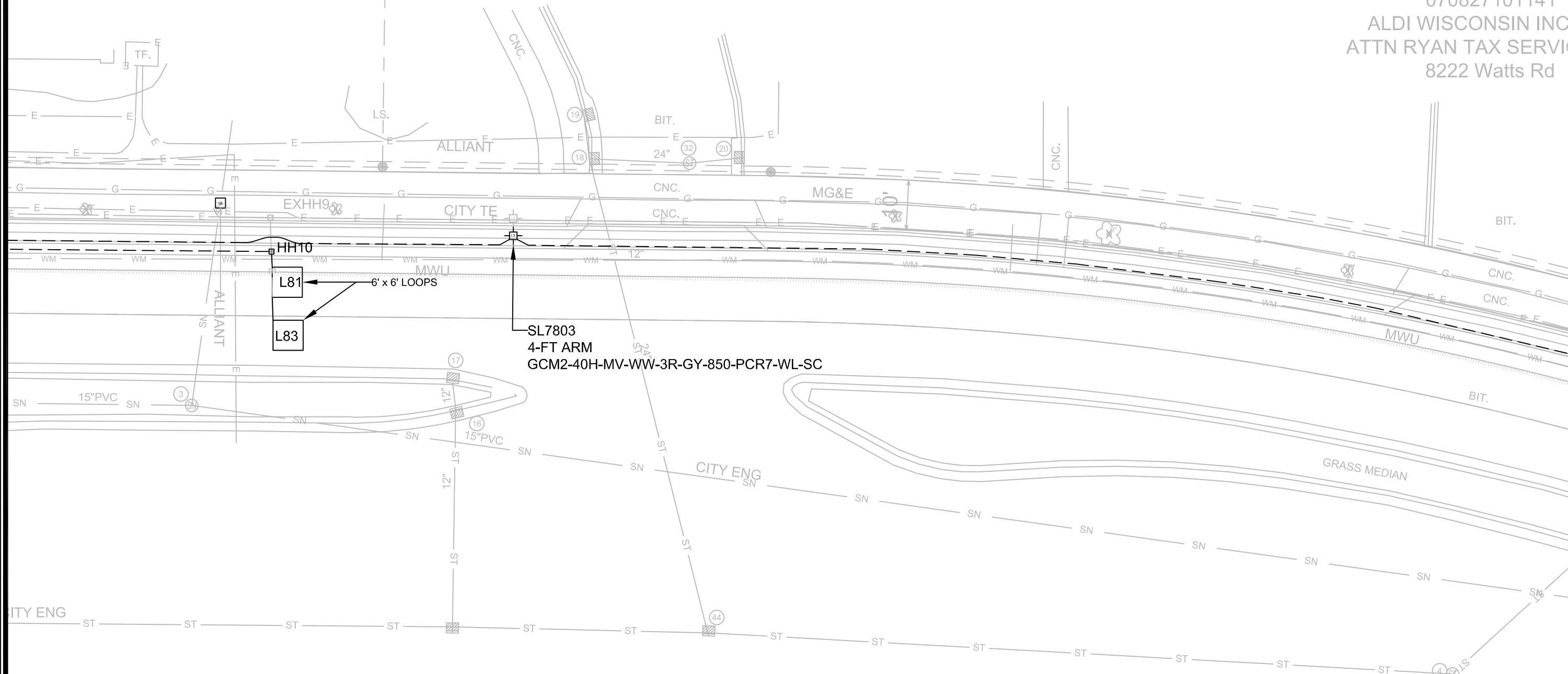
13014  
E-6



159  
MADISON CO  
Rd

070827101141  
ALDI WISCONSIN INC # 22  
ATTN RYAN TAX SERVICE LLC  
8222 Watts Rd

070827101141  
ALDI WISCONSIN INC  
ATTN RYAN TAX SERVICE  
8222 Watts Rd



MARK	REVISION	DATE	BY
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Designed By: JLS Date: 10/18/2022  
Scale: 1:20  
13014 E-7

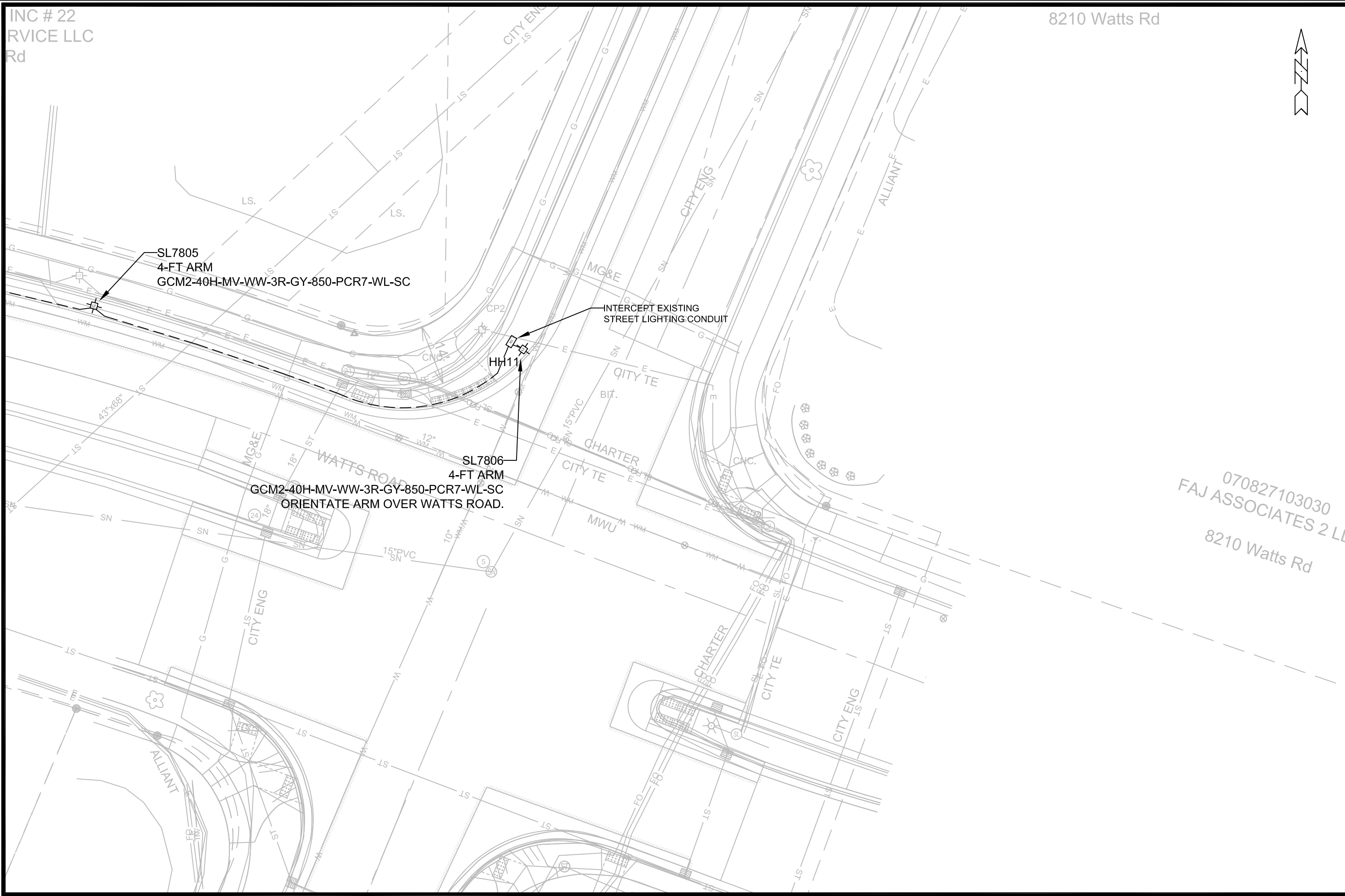
13014  
MADISON, WI  
CONTRACT NO: 8642

ELECTRIC - INSTALL  
WEST TOWNE PATH - PHASE 3  
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13014  
E-7

INC # 22  
RVICE LLC  
Rd

8210 Watts Rd



070827103030  
FAJ ASSOCIATES 2 LL  
8210 Watts Rd

MARK	REVISION	DATE	BY
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###	###	###	###
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Designed By: JLS Date: 10/18/2022  
Scale: 1:20  
13014 E-8

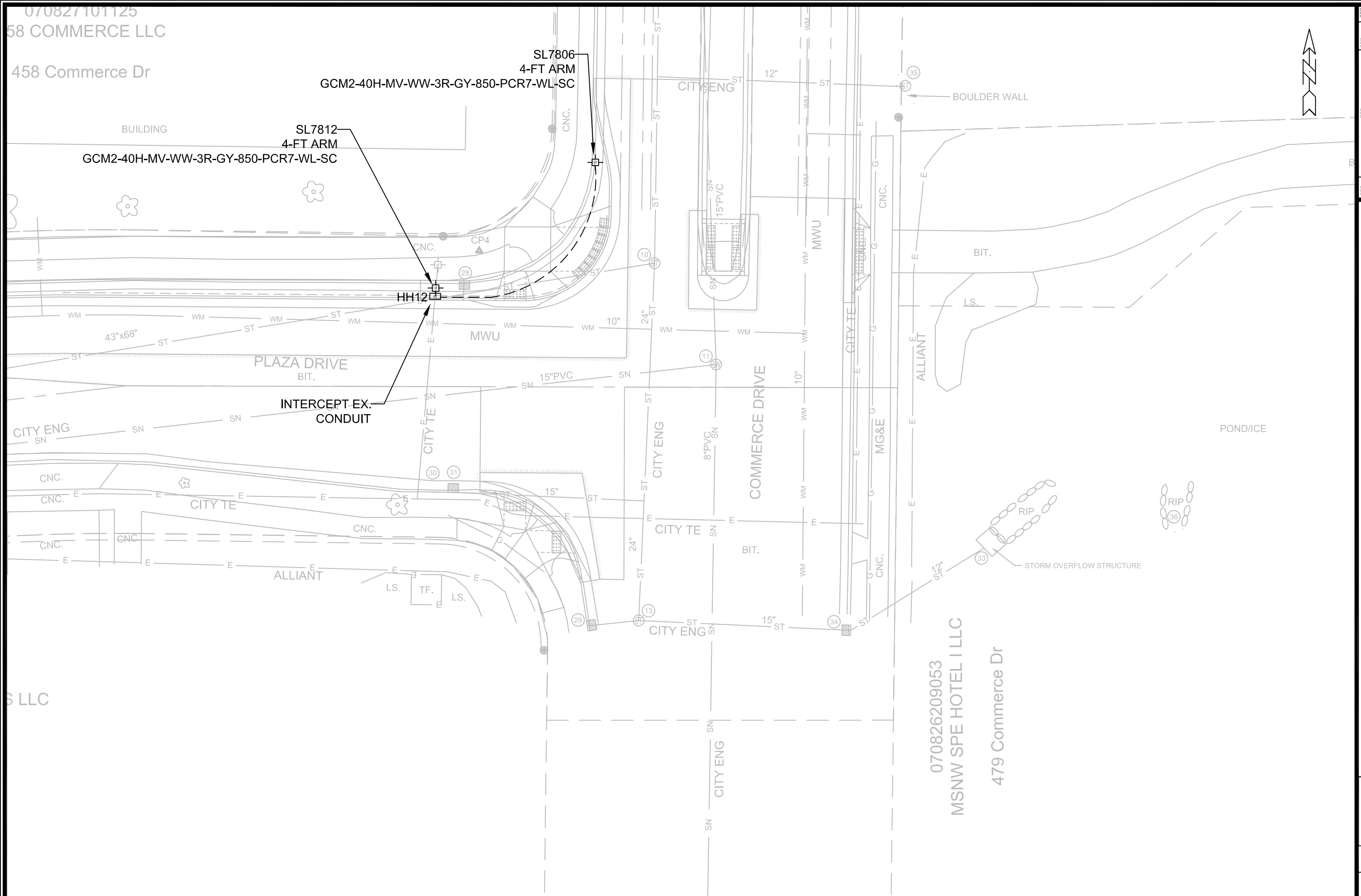
13014  
MADISON, WI  
CONTRACT NO: 8642

ELECTRIC - INSTALL  
WEST TOWNE PATH - PHASE 3  
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13014  
E-8

070827101125  
 58 COMMERCE LLC  
 458 Commerce Dr



MARK	REVISION	DATE	BY
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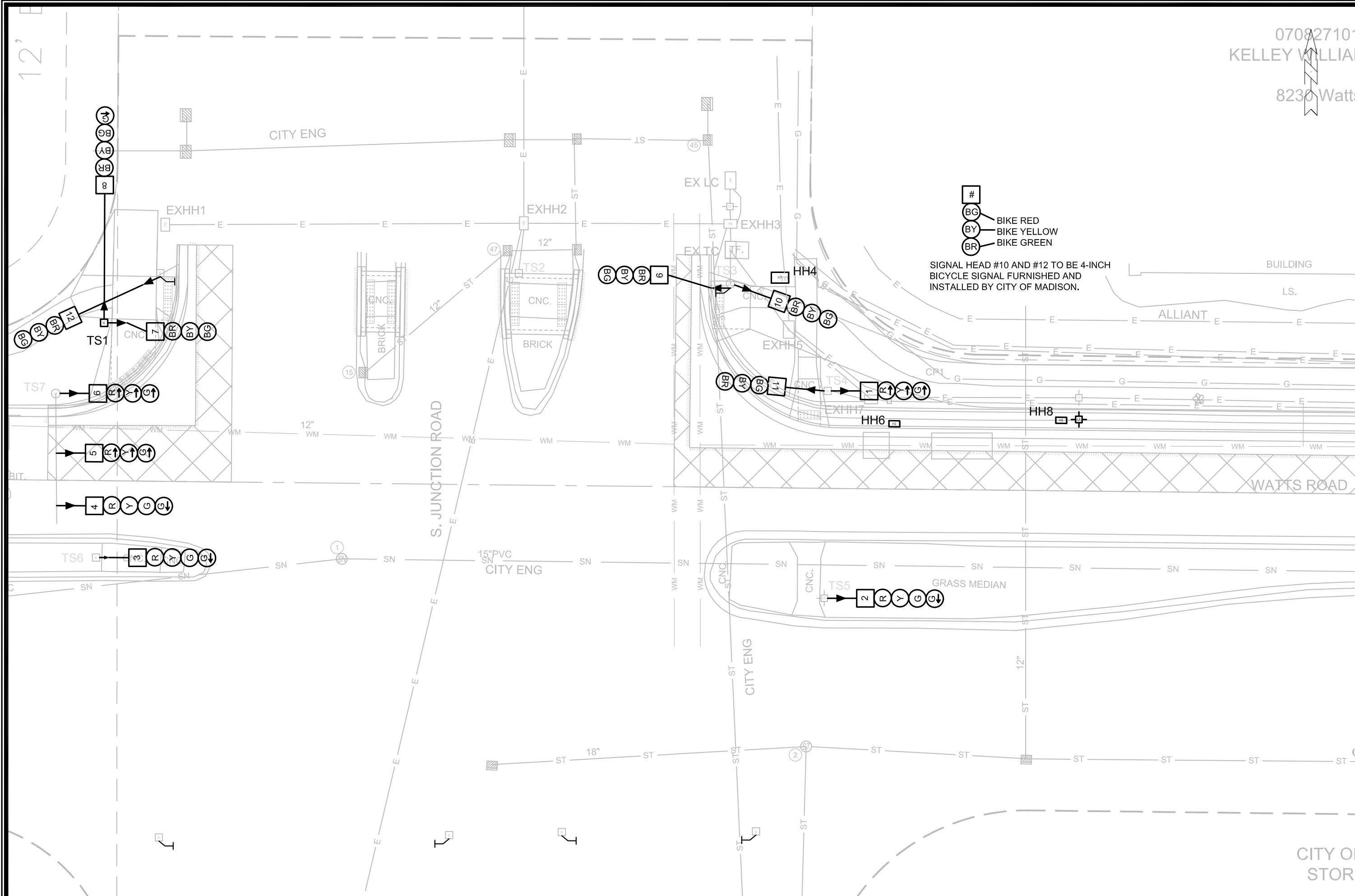
13014  
 MADISON, WI  
 CONTRACT NO: 8642

ELECTRIC - INSTALL  
 WEST TOWNE PATH - PHASE 3  
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13014  
 E-9

Scale: 1:20  
 E-9



07092710  
 KELLEY WILLIA  
 8230 Watts

#  
 BG BIKE RED  
 BY BIKE YELLOW  
 BR BIKE GREEN

SIGNAL HEAD #10 AND #12 TO BE 4-INCH BICYCLE SIGNAL FURNISHED AND INSTALLED BY CITY OF MADISON.

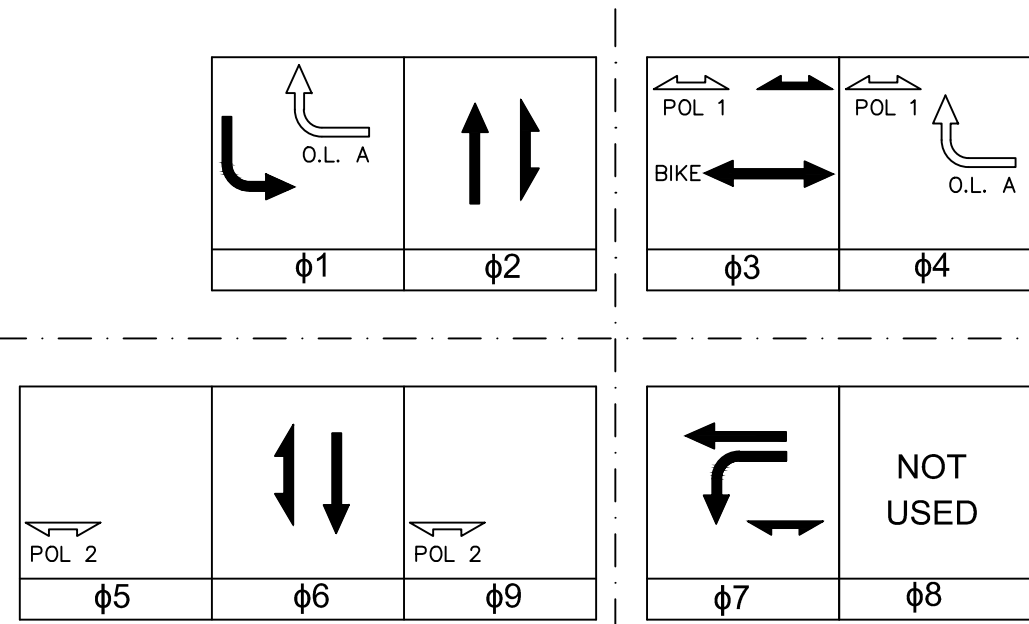
MARK	REVISION	DATE	BY
Designed By: JLS			Date: 10/18/2022
Scale: 1:20			E-9
13014		E-10	
ELECTRIC - TRAFFIC SIGNAL HEAD CONFIGURATION			
WEST TOWNE PATH - PHASE 3			
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13014		MADISON, WI	
CONTRACT NO:		8642	
CITY OF MADISON WISCONSIN			
13014		E-10	





HEAD NUMBERS	FLASH	
φ1	EX SBLT	R
φ2	EX NB	R
φ3	7,8,9,10,12	R
φ4	---	---
φ5	FUTURE NBLT	---
φ6	EX SB	R
φ7	2, 4, 5	R
φ8	---	---
φ9	---	---
φ2 PED	EX PED	---
φ3 PED	EX PED	---
φ6 PED	EX PED	---
φ7 PED	EX PED, NB-S	---
	xx	
OLA	1, 5, 6	R
POL1	EX PED, SB-N	---
POL2	EX PED, SB-S	---

O.L. ASSIGNMENTS	
φ4 + φ1	
φ3 + φ4	
φ5 + φ9	



PREEMPTION ASSIGNMENTS			
PREEMPTION DESIGNATION	PREEMPTION TYPE	EVP CHANNEL	PHASE(S) CALLED
1	NOT USED		
2	NOT USED		
3	SB EVP	3	1, 6
4	NB EVP	4	2, 6
5	WB EVP	5	4, 7
6	NOT USED		
7	NOT USED		
8	NOT USED		
9	NOT USED		
10	NOT USED		

CONTROLLER LOGIC				
PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / φ	PHASE RECALL	PHASE ACTIVE
1	X			X
2	X	X	X	X
3	X			X
4				X
5				X
6	X	X	X	X
7	X			X
8				
9				X

- OPERATIONS NOTES:
- OVERLAP A: WBRT (1+4)
  - PED BUTTONS CROSSING JUNCTION ARE LANDED SEPARATELY IN CABINET:
    - PB1 = NW CORNER
    - PB2 = NORTH MEDIAN
    - PB3 = NE CORNER
    - PB4 = SW CORNER
    - PB5 = SOUTH MEDIAN
    - PB6 = SE CORNER
    - PB7 = WEST CROSSING (TIED)
    - PB8 = EAST CROSSING (TIED)
  - PED BUTTON SEQUENCES:
    - PB1 = PED3, WALK2
    - PB2 = PED3
    - PB3 = PED3, PED4
    - PB4 = PED9, PED7
    - PB5 = PED5 OR 9, PED 7
    - PB6 = PED7, PED5
  - PHASES 2 AND 6 ARE RECALLED DUE TO LACK OF STOP BAR AND BIKE DETECTION. IF IMPROVED, SIGNAL SHOULD OPERATE IN RED-REST FREE TO MINIMIZE DELAY.

TYPE OF INTERCONNECT	
NONE	
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	X
RADIO	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	
IN SEPARATE LIGHTING CABINET	X

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	
GTT	X
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER	X
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	7	1		5	11	9	83	81
PHASE CALLED	2	6		1	2	2	7	1, 4
PHASE EXTENDED	2	6		1	2	2	7	1
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH	4.0	4.0		3.0			3.3	3.5
LOOP FUNCTION				ADDED INITIAL	ADDED INITIAL			

DETECTOR INPUT	19	17	23	21	27	25	31	29
DETECTOR #(S)		L34		L31				
PHASE CALLED								
PHASE EXTENDED		3		3				
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH		4.0		2.0				
LOOP FUNCTION		BIKE, COUNT		BIKE				

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)	4	2	8	6		10	84	82
PHASE CALLED	6	6	1	1		2	7	1, 4
PHASE EXTENDED	6	6	1	1		2	7	1
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION	ADDED INITIAL	ADDED INITIAL	ADDED INITIAL	ADDED INITIAL				

DETECTOR INPUT	20	18	24	22	28	26	32	30
DETECTOR #(S)	L35	L33		L32				
PHASE CALLED	3	3		3				
PHASE EXTENDED	3	3		3				
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH		2.0		2.0				
LOOP FUNCTION	BIKE COUNT	BIKE		BIKE				

13014  
 CITY OF MADISON, WI  
 CONTRACT NO: 8642  
 JUNCTION ROAD & WATTS ROAD  
 TRAFFIC SIGNAL PLANS  
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 Scale: NO SCALE  
 E-12  
 13014  
 E-12



PAVEMENT MARKING PLAN

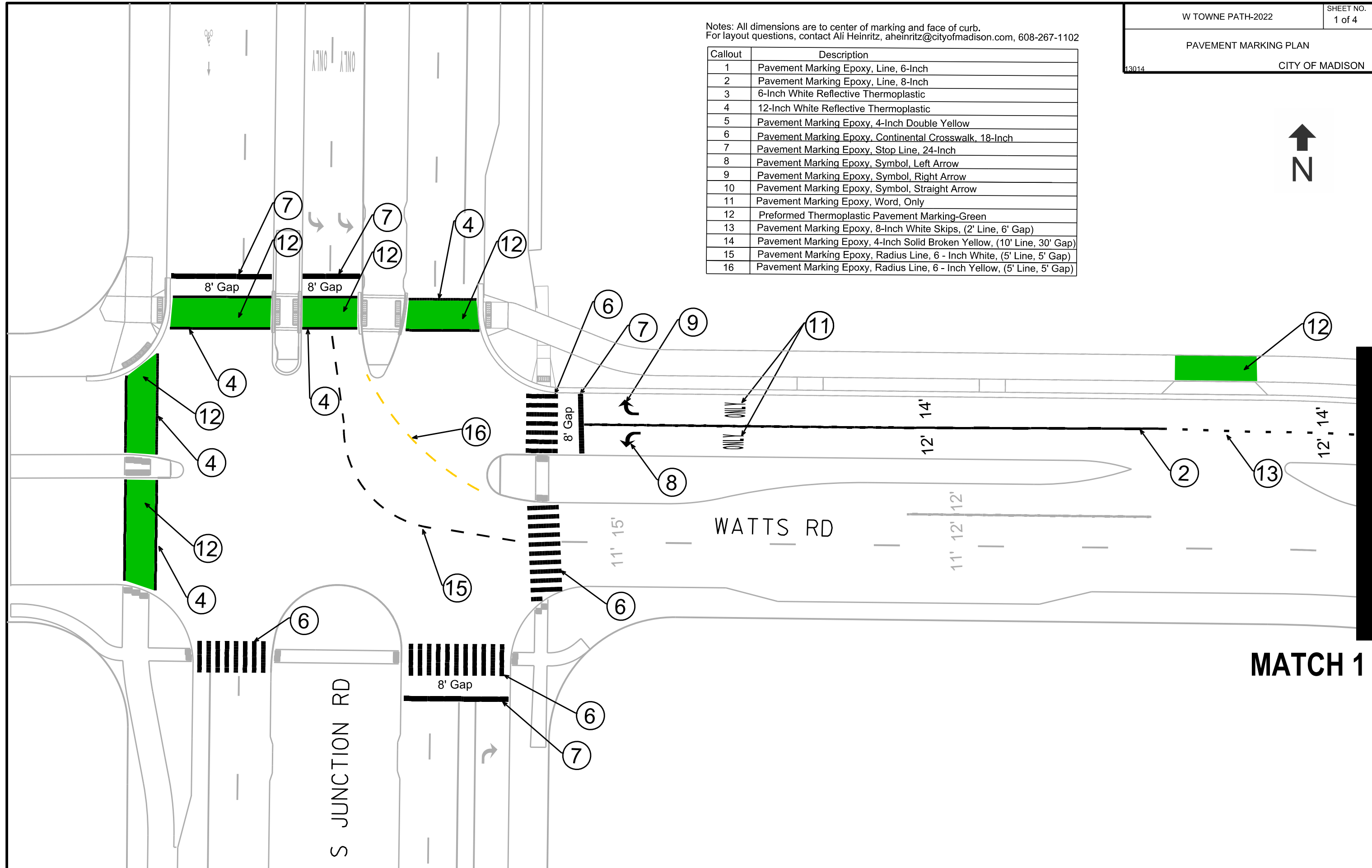
CITY OF MADISON

Notes: All dimensions are to center of marking and face of curb.  
For layout questions, contact Ali Heinritz, aheinritz@cityofmadison.com, 608-267-1102

Callout	Description
1	Pavement Marking Epoxy, Line, 6-Inch
2	Pavement Marking Epoxy, Line, 8-Inch
3	6-Inch White Reflective Thermoplastic
4	12-Inch White Reflective Thermoplastic
5	Pavement Marking Epoxy, 4-Inch Double Yellow
6	Pavement Marking Epoxy, Continental Crosswalk, 18-Inch
7	Pavement Marking Epoxy, Stop Line, 24-Inch
8	Pavement Marking Epoxy, Symbol, Left Arrow
9	Pavement Marking Epoxy, Symbol, Right Arrow
10	Pavement Marking Epoxy, Symbol, Straight Arrow
11	Pavement Marking Epoxy, Word, Only
12	Preformed Thermoplastic Pavement Marking-Green
13	Pavement Marking Epoxy, 8-Inch White Skips, (2' Line, 6' Gap)
14	Pavement Marking Epoxy, 4-Inch Solid Broken Yellow, (10' Line, 30' Gap)
15	Pavement Marking Epoxy, Radius Line, 6 - Inch White, (5' Line, 5' Gap)
16	Pavement Marking Epoxy, Radius Line, 6 - Inch Yellow, (5' Line, 5' Gap)

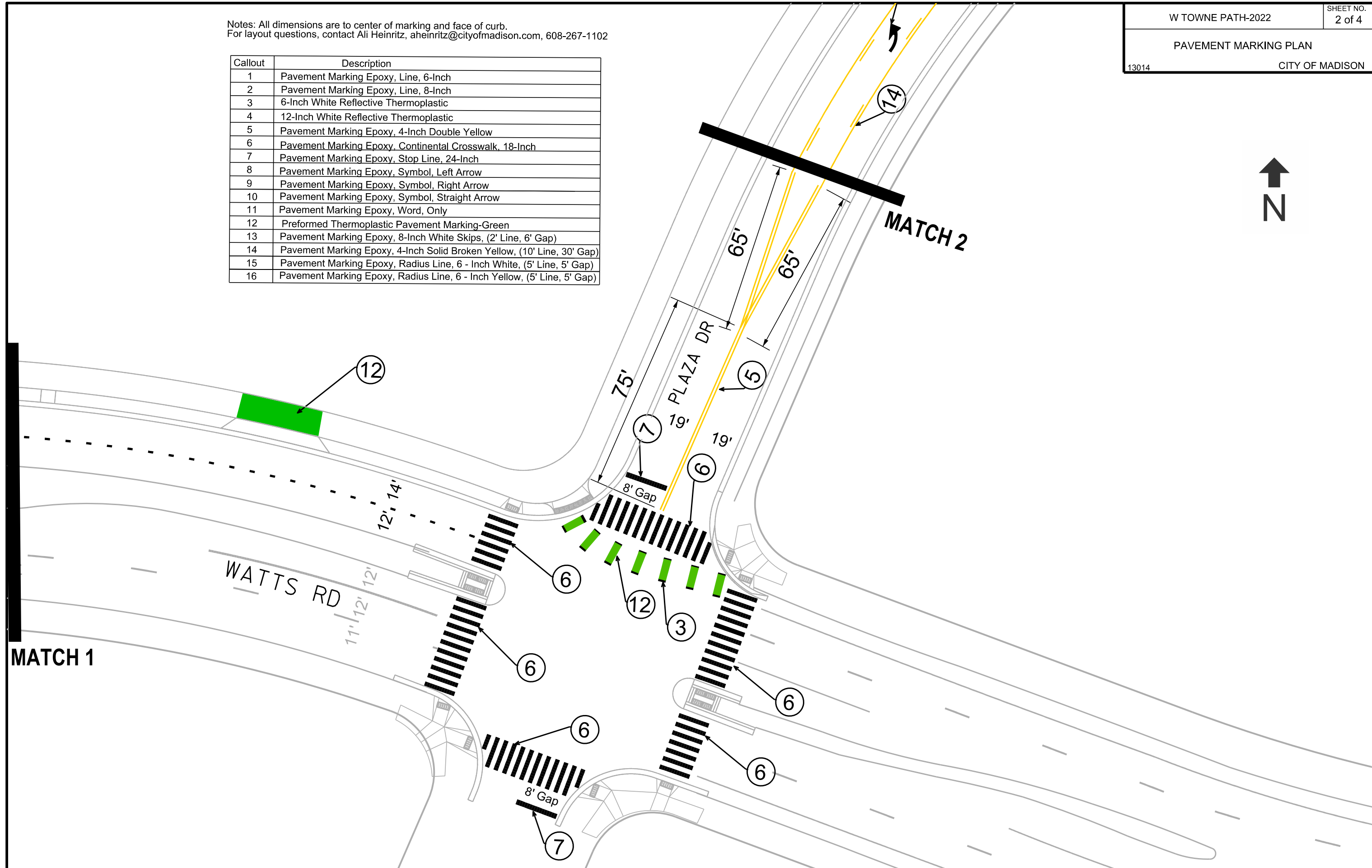


PLOT SCALE:  
PLOT NAME:  
REV. DATE:  
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



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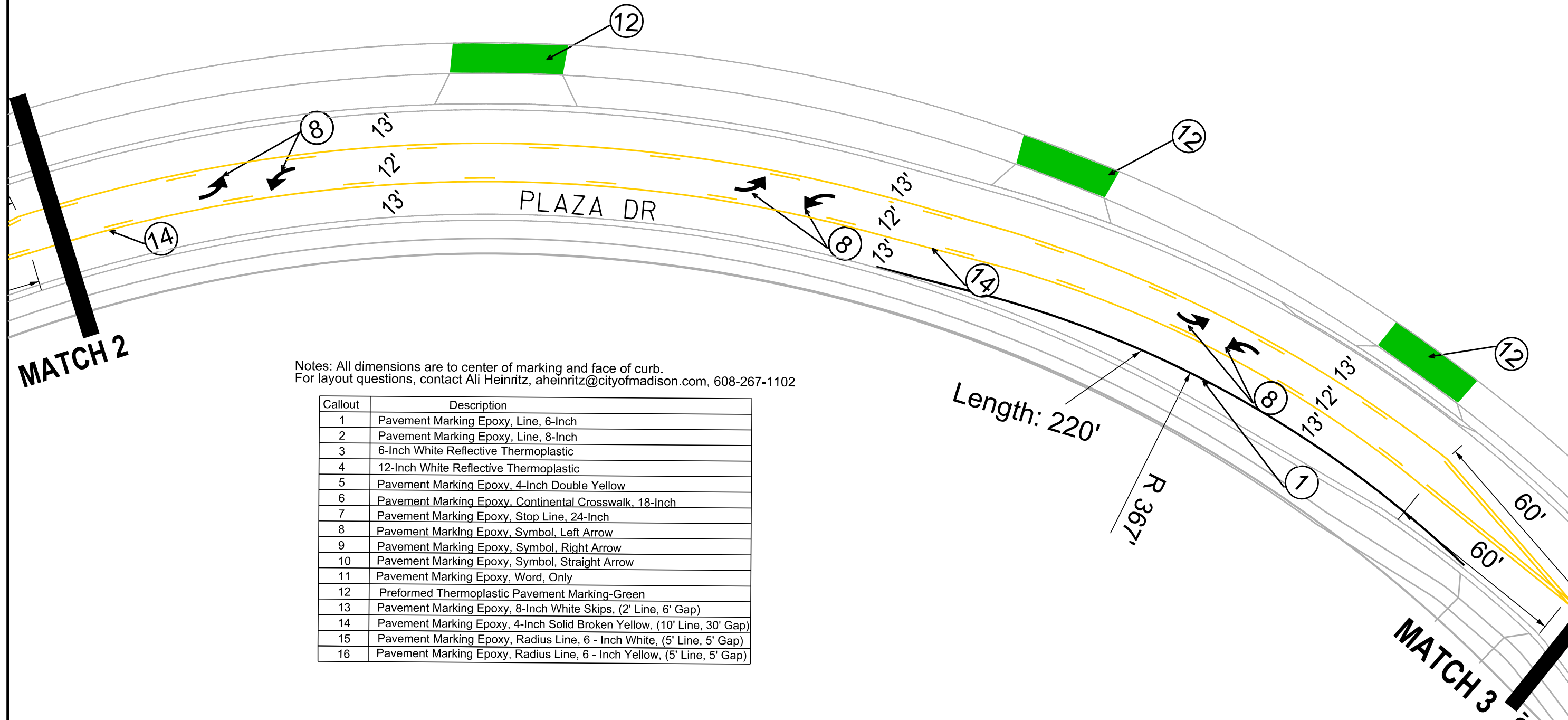


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



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8	Pavement Marking Epoxy, Symbol, Left Arrow
9	Pavement Marking Epoxy, Symbol, Right Arrow
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PLOT SCALE:

PLOT NAME:

REV. DATE:

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12	Preformed Thermoplastic Pavement Marking-Green
13	Pavement Marking Epoxy, 8-Inch White Skips, (2' Line, 6' Gap)
14	Pavement Marking Epoxy, 4-Inch Solid Broken Yellow, (10' Line, 30' Gap)
15	Pavement Marking Epoxy, Radius Line, 6 - Inch White, (5' Line, 5' Gap)
16	Pavement Marking Epoxy, Radius Line, 6 - Inch Yellow, (5' Line, 5' Gap)

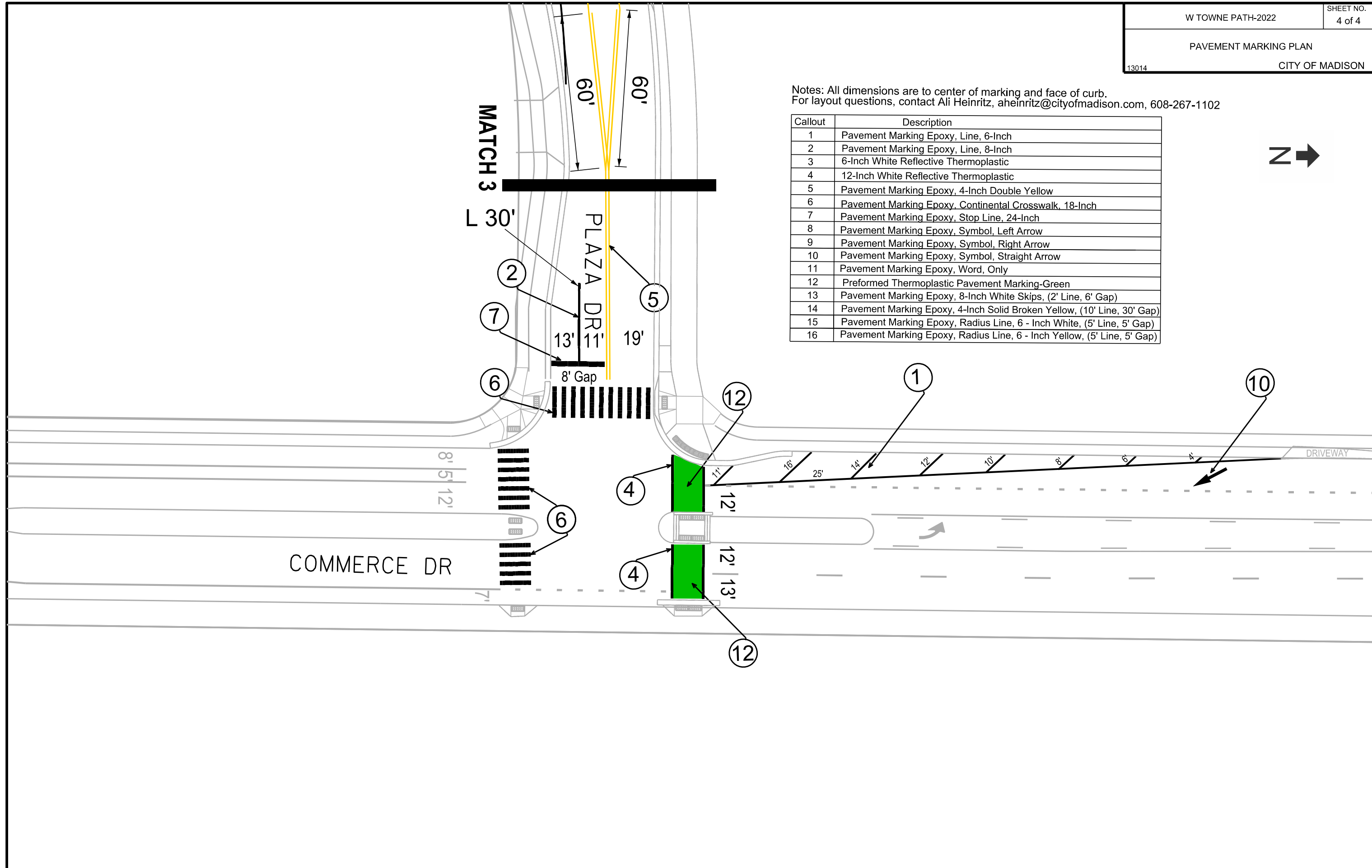


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PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

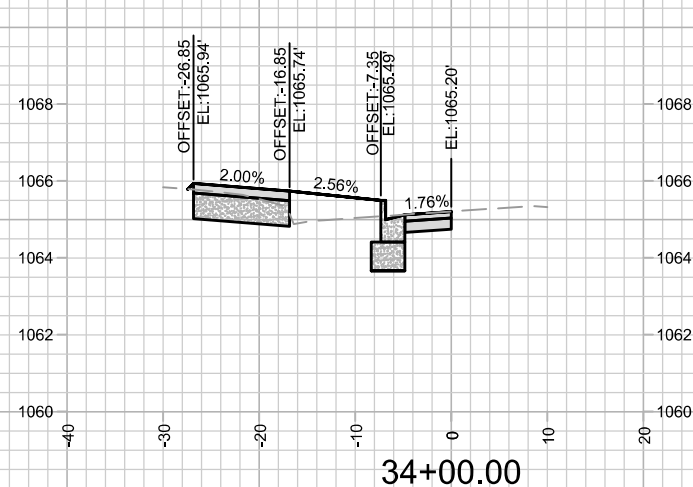
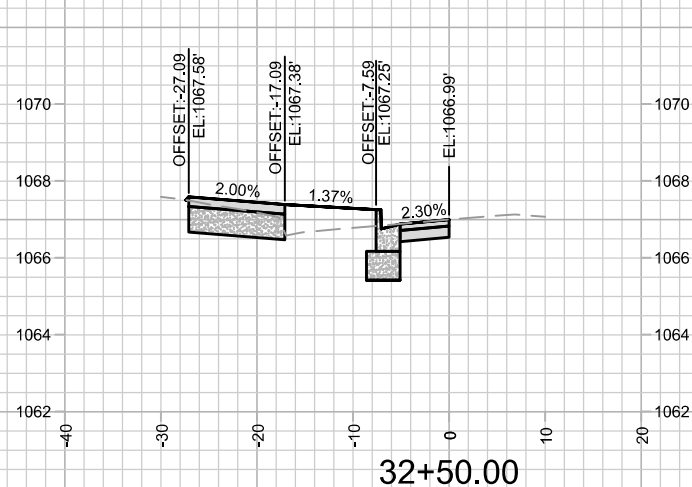
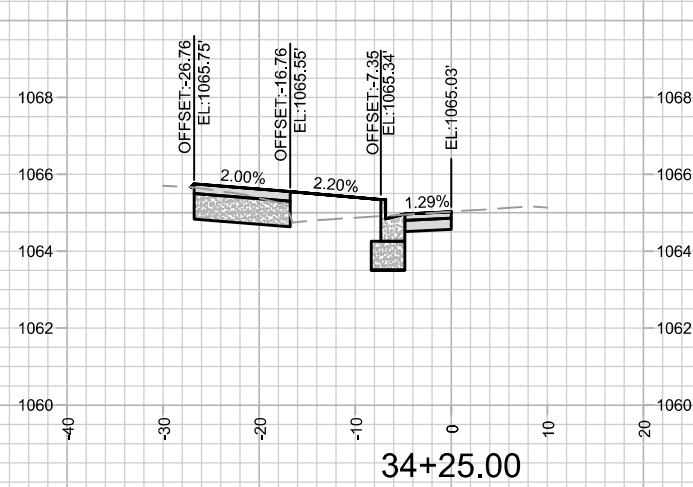
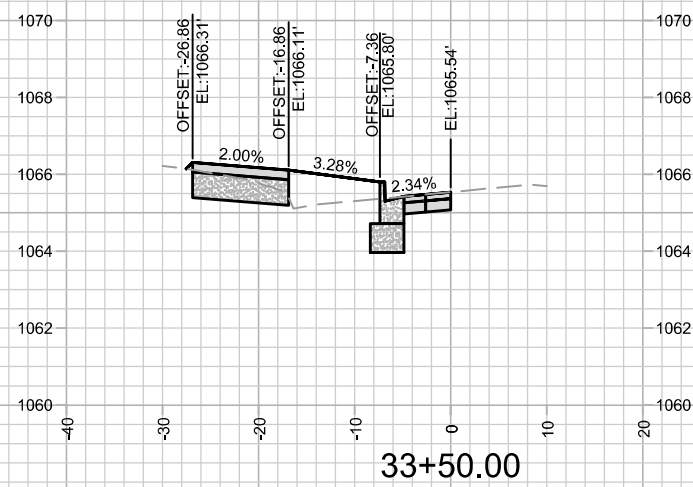
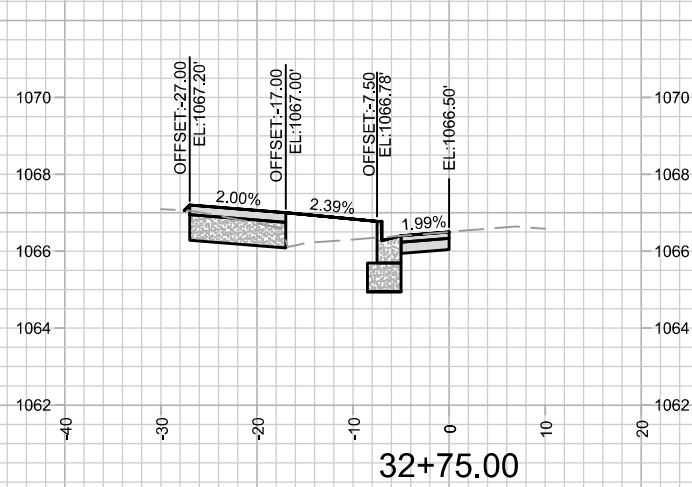
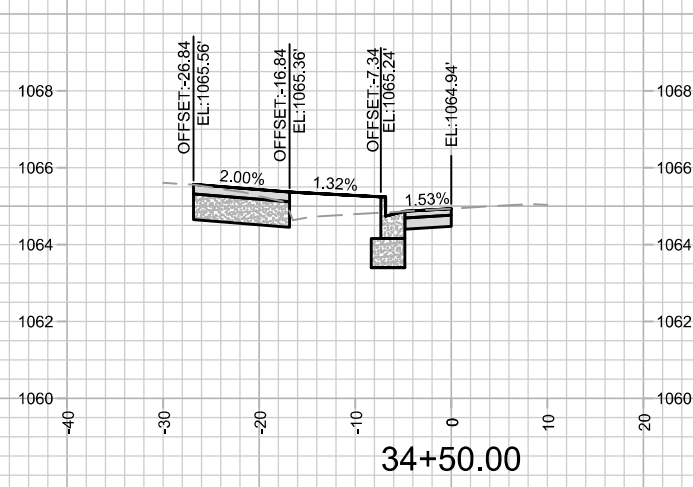
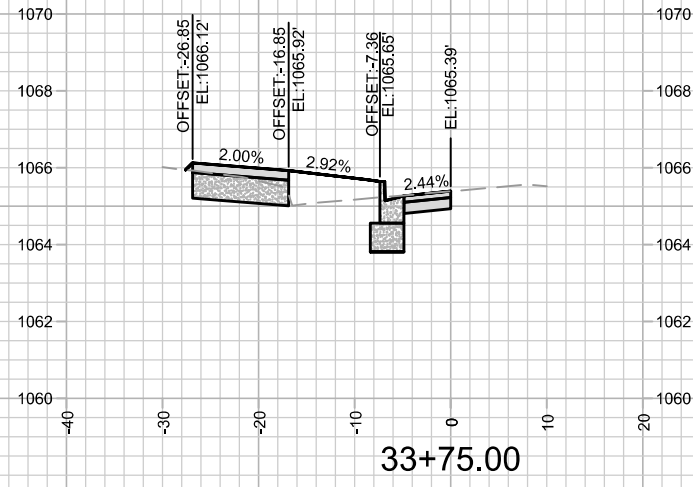
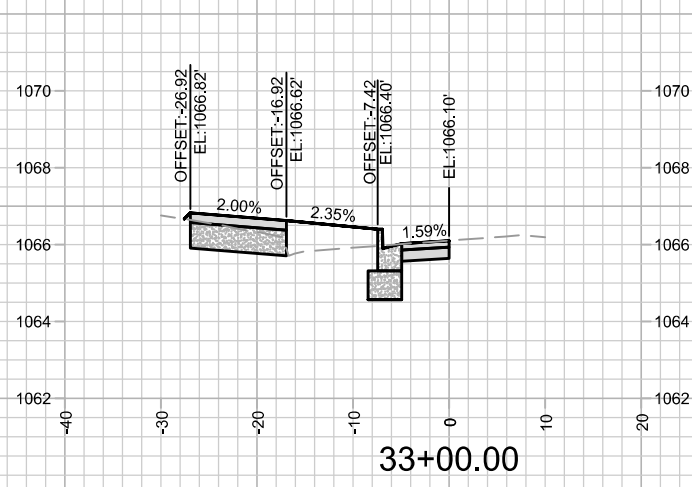












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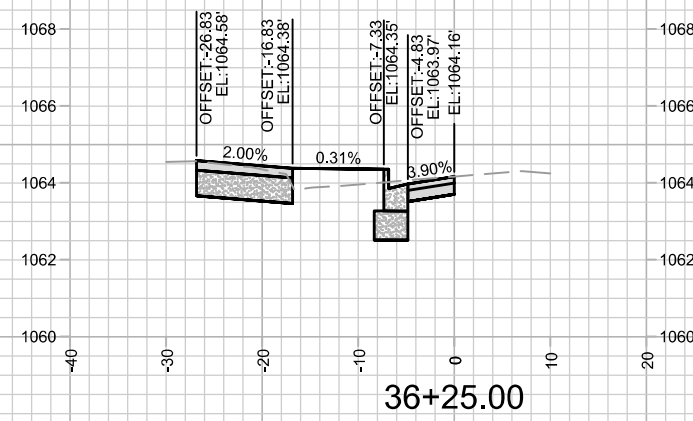
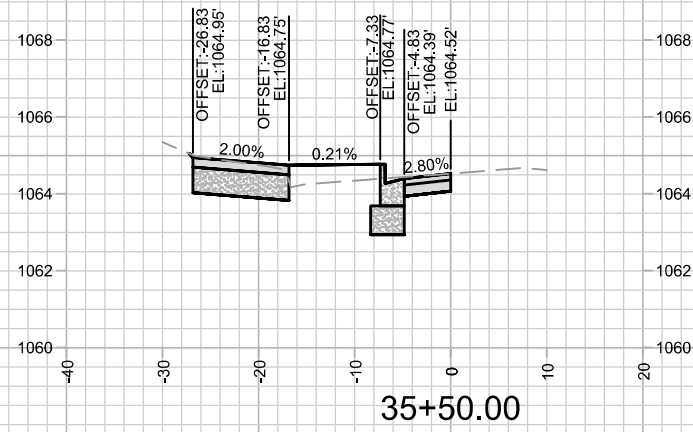
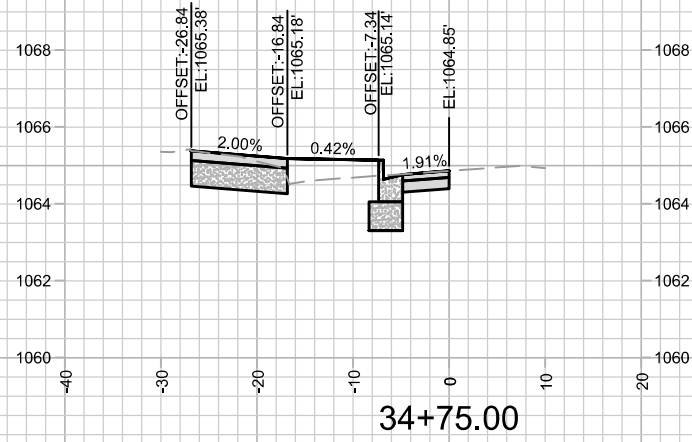
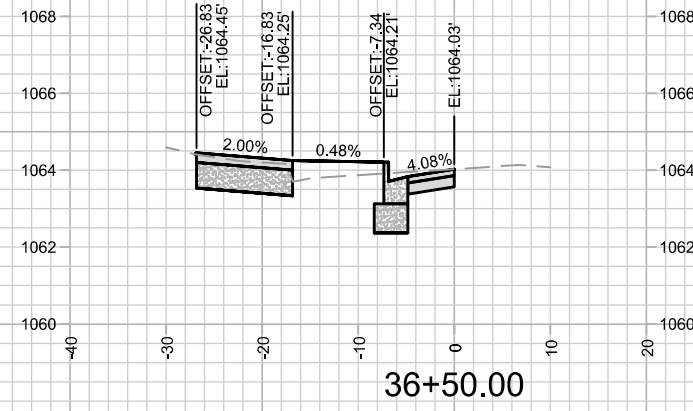
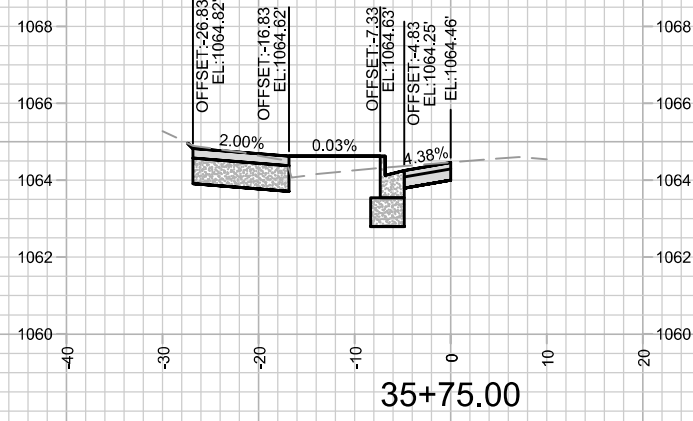
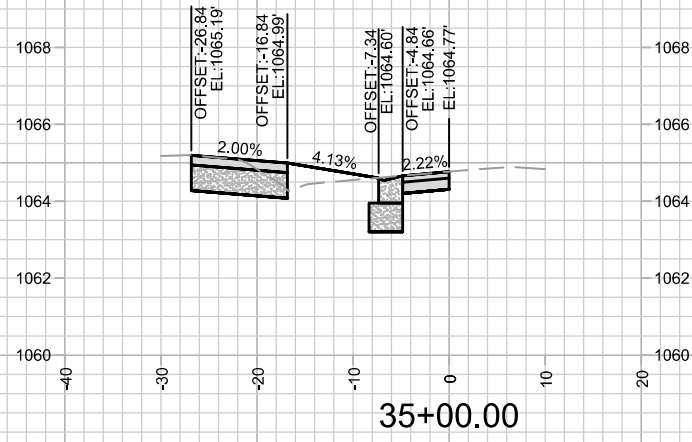
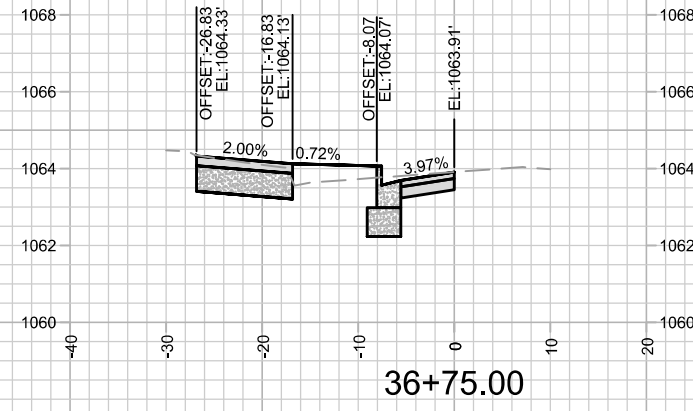
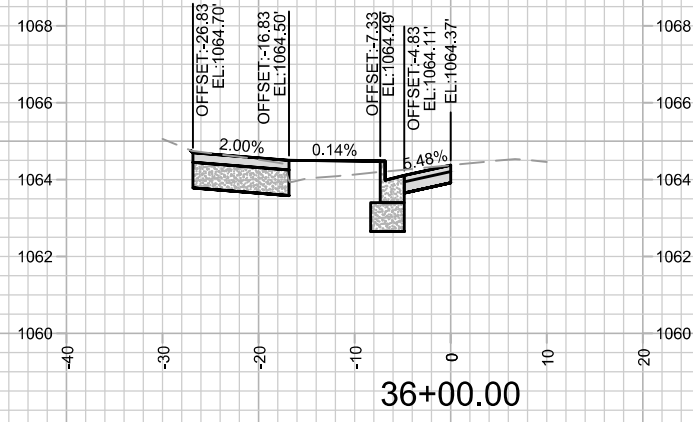
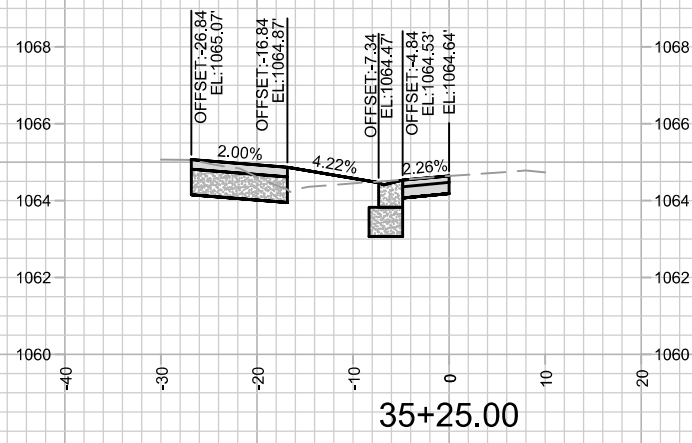
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MADISON, WI  
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CONTRACT NO:

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WEST TOWNE PATH - PHASE 3  
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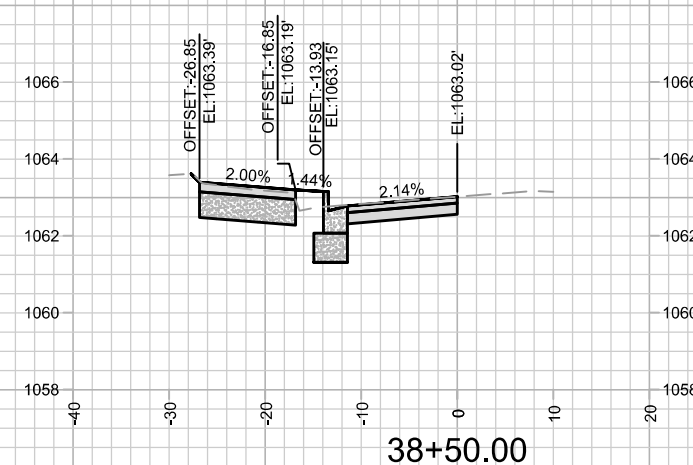
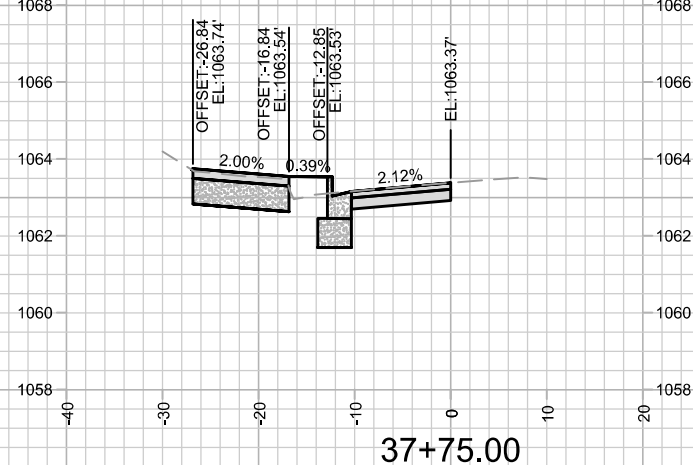
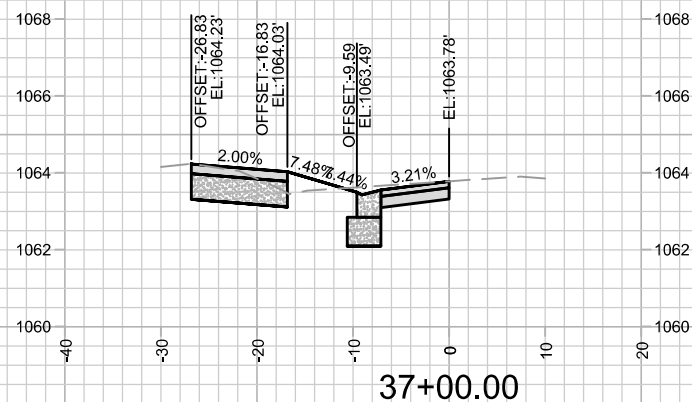
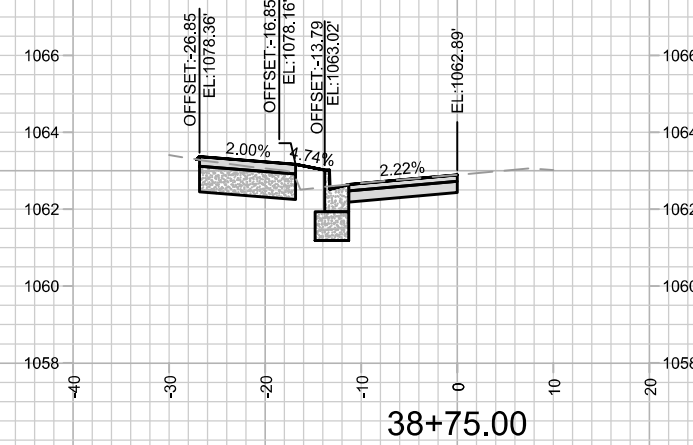
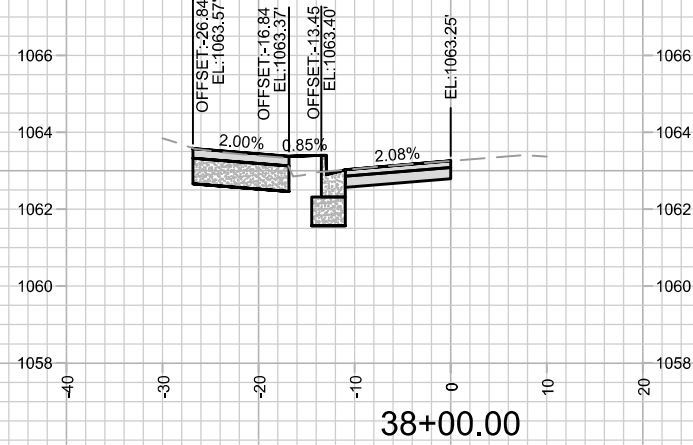
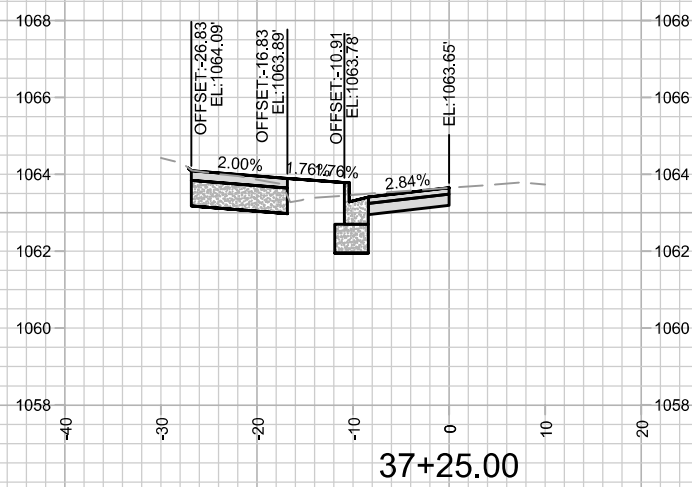
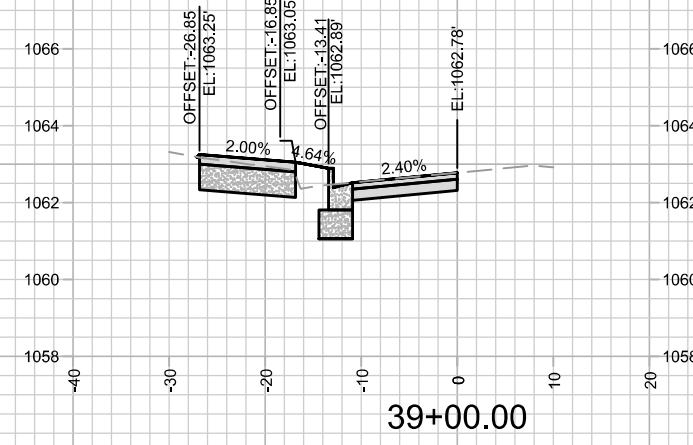
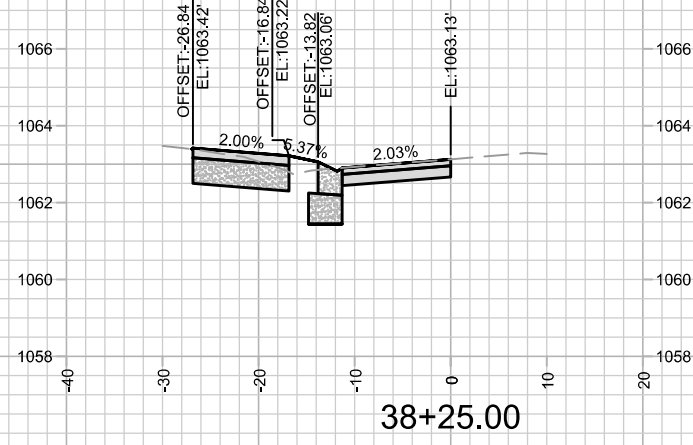
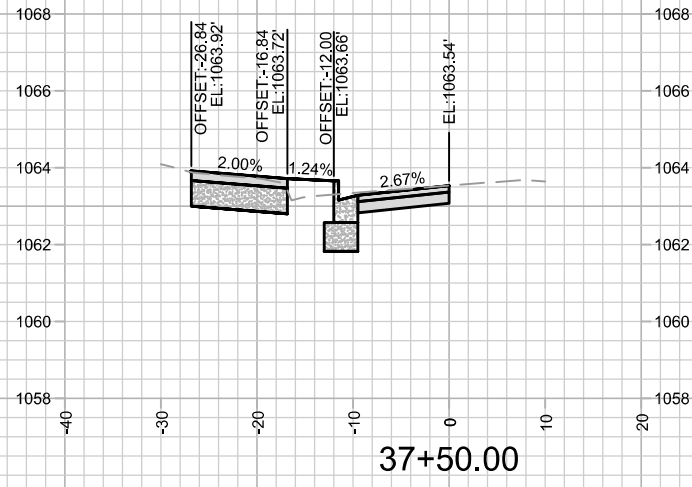
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Date: 10/21/2022 11:14 AM  
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MADISON, WI  
CONTRACT NO: 8642

PLAZA DR - CROSS-SECTIONS  
WEST TOWNE PATH - PHASE 3  
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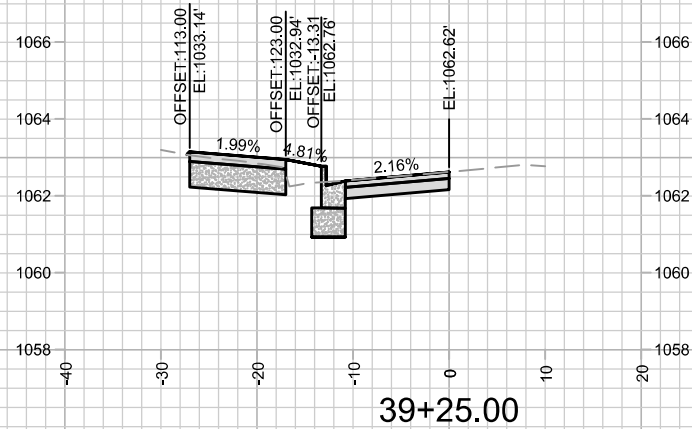
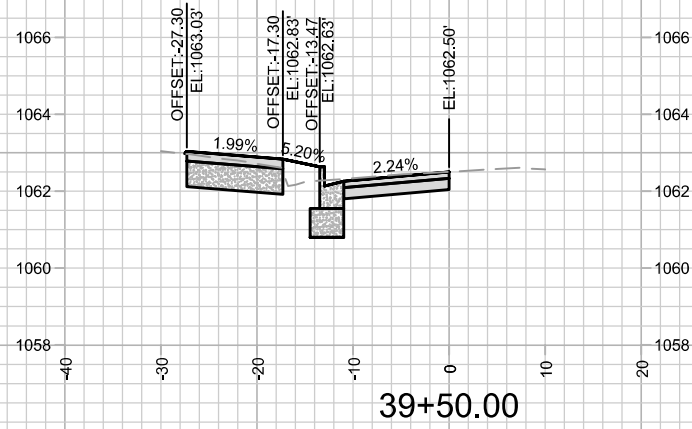
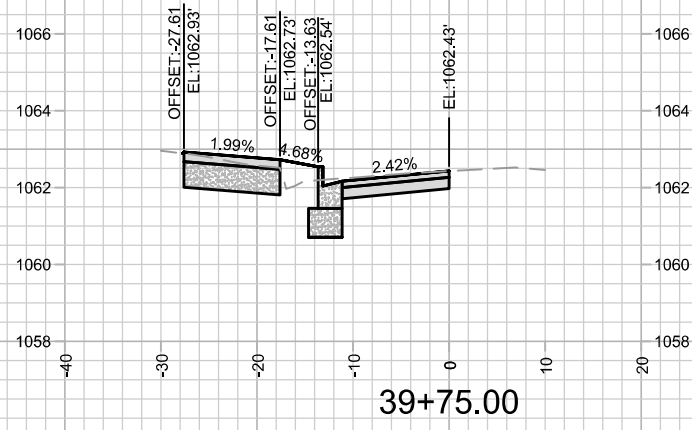
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MADISON, WI  
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CONTRACT NO:

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WEST TOWNE PATH - PHASE 3  
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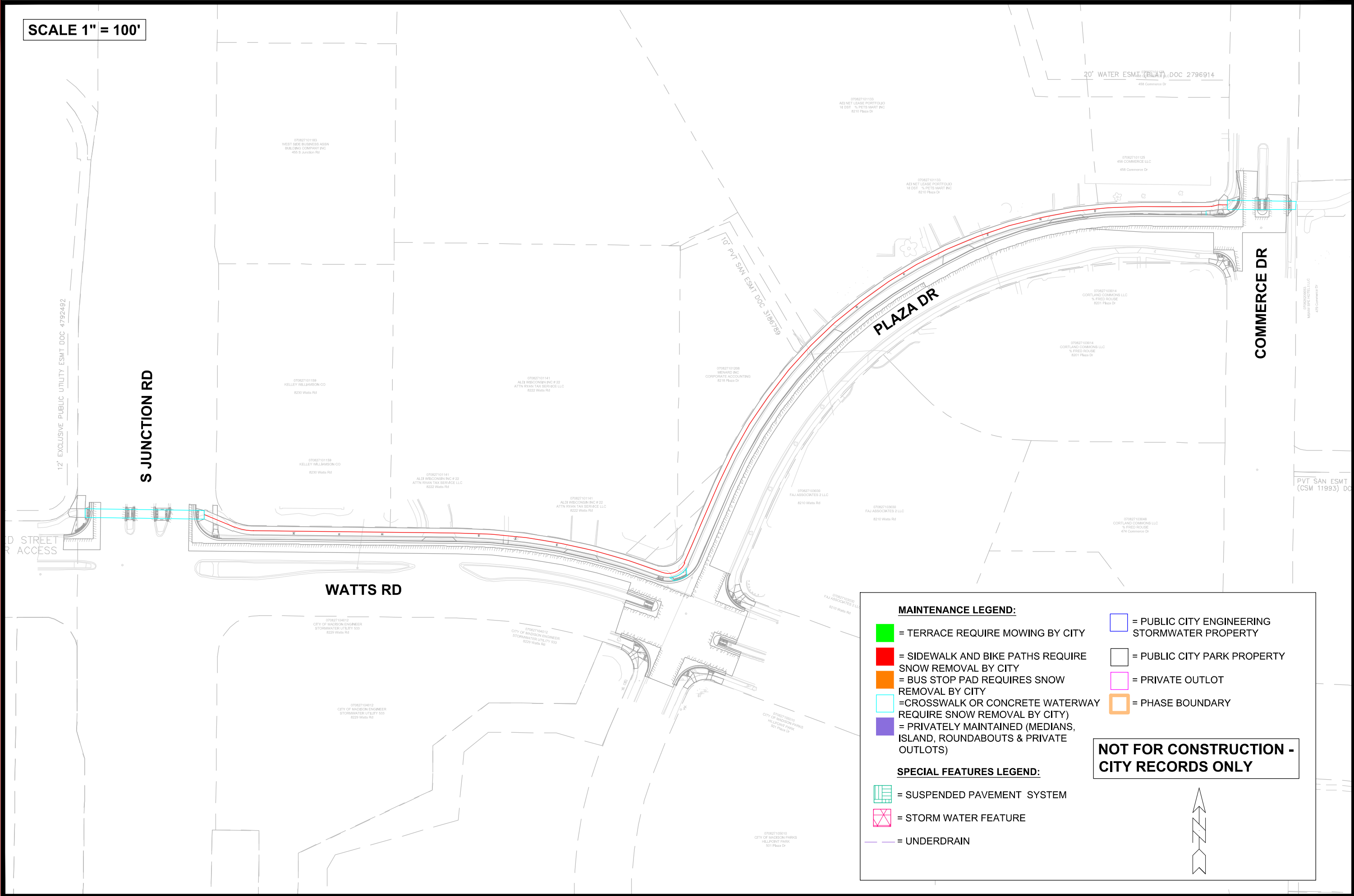
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WEST TOWNE PATH - PHASE 3

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MADISON, WI  
CONTRACT NO: 8642

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SCALE 1" = 100'



**MAINTENANCE LEGEND:**

- = TERRACE REQUIRE MOWING BY CITY
- = SIDEWALK AND BIKE PATHS REQUIRE SNOW REMOVAL BY CITY
- = BUS STOP PAD REQUIRES SNOW REMOVAL BY CITY
- = CROSSWALK OR CONCRETE WATERWAY REQUIRE SNOW REMOVAL BY CITY
- = PRIVATELY MAINTAINED (MEDIANS, ISLAND, ROUNDABOUTS & PRIVATE OUTLOTS)
- = PUBLIC CITY ENGINEERING STORMWATER PROPERTY
- = PUBLIC CITY PARK PROPERTY
- = PRIVATE OUTLOT
- = PHASE BOUNDARY

**SPECIAL FEATURES LEGEND:**

- = SUSPENDED PAVEMENT SYSTEM
- = STORM WATER FEATURE
- = UNDERDRAIN

**NOT FOR CONSTRUCTION - CITY RECORDS ONLY**

MAINTENANCE MAP	13014	MADISON, WI	CONTRACT NO: 8642	
WEST TOWNE PATH - PHASE 3				
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