

Madison, Wisconsin

INDEX OF SHEETS

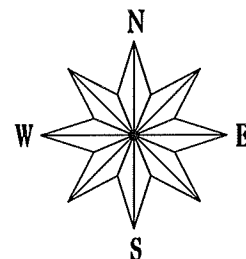
SHEET NO.	1	TITLE
SHEET NO.	D1	DETAILS
SHEET NO.	D2	REMOVALS PLAN
SHEET NO.	EC1	EROSION CONTROL PLAN
SHEET NO.	PI-P8	STREET PLAN & PROFILE
SHEET NO.	UI-U6	UTILITY PLAN AND PROFILE
SHEET NO.	U7	UTILITY SCHEDULES
SHEET NO.	WI-W7	WATER PLAN & PROFILE
SHEET NO.	W8	WATER MATERIALS
SHEET NO.	W9	WATER IMPACT PLAN
SHEET NO.	E1	ELECTRICAL
SHEET NO.	XI-X5	CROSS SECTIONS

CITY OF MADISON
CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

WORLD DAIRY CAMPUS ASSESSMENT
DISTRICT - 2013

CITY PROJECT NO. 53W1538

CONTRACT NO. 7007



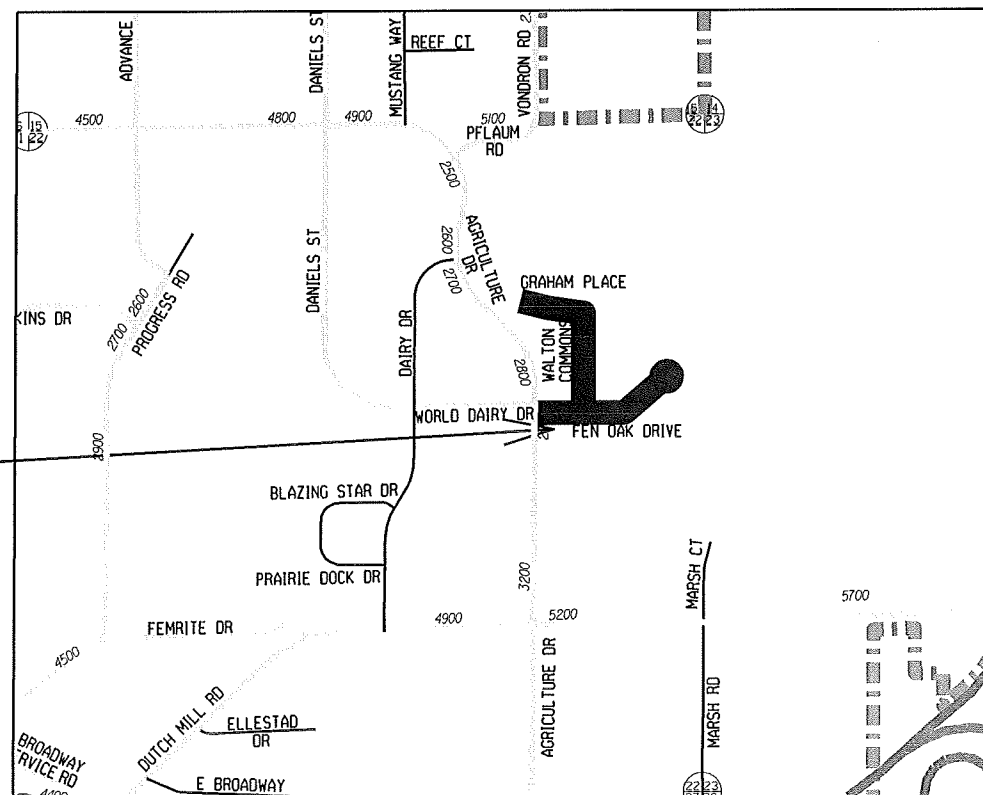
CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
OVERHEAD ELECTRIC	— OH —
POWER POLE	□
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	▤
COMBUSTIBLE FLUIDS	⚡

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 (PLAN QUANTITY).....	1160 CY
ESTIMATED UNDISTRIBUTED UNDERCUT.....	725 CY
TOTAL UNCLASSIFIED EXCAVATION CUT.....	1885 CY
OBLITERATE STREETS.....	19.8 STA
FILL BORROW.....	1085 CY

PUBLIC IMPROVEMENT PROJECT
APPROVED

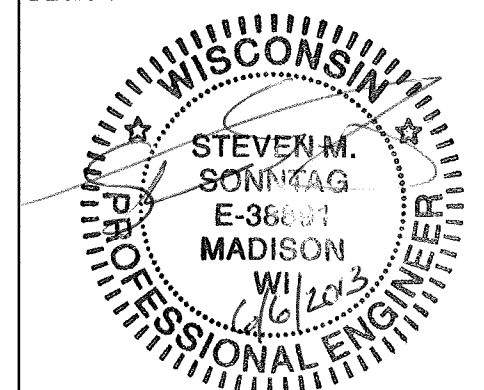
June 18, 2013

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

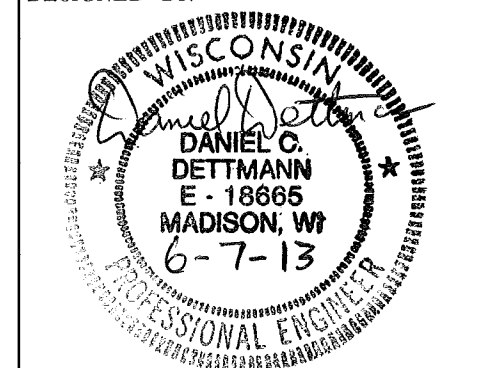
PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

Michael R. Dailey 6/7/2013
City Engineer Date

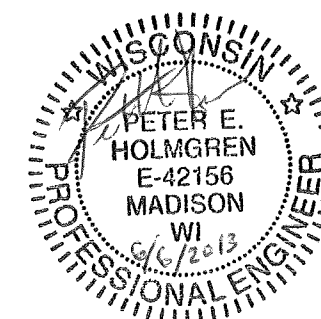
STREET
DESIGNED BY:



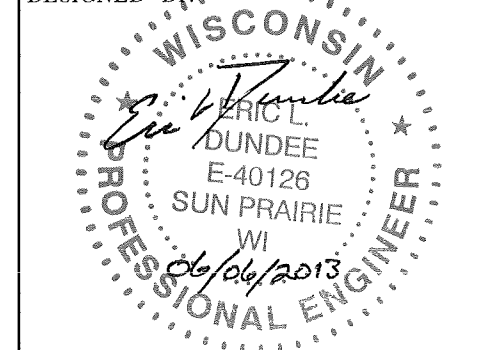
ELECTRICAL
DESIGNED BY:

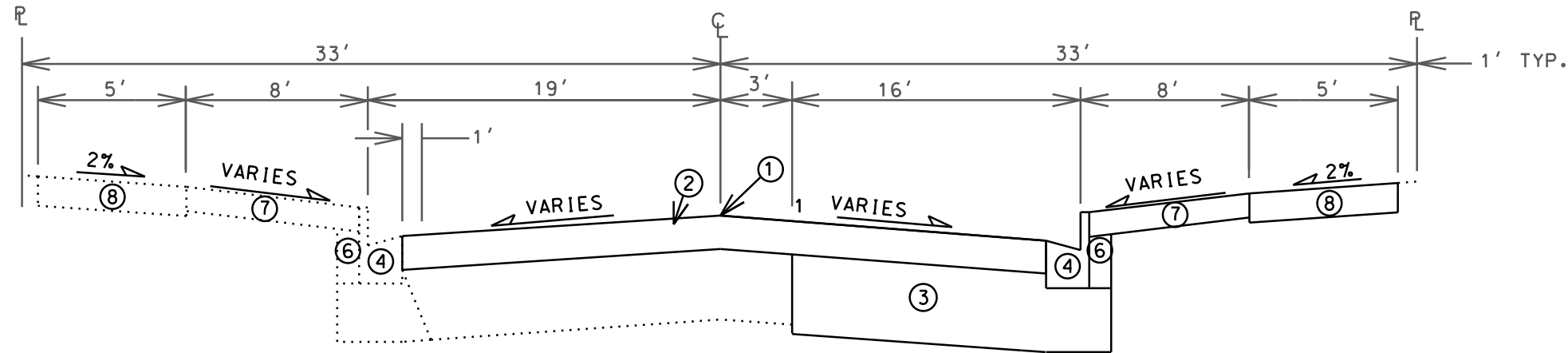


WATER
DESIGNED BY:



STORM SEWER
DESIGNED BY:



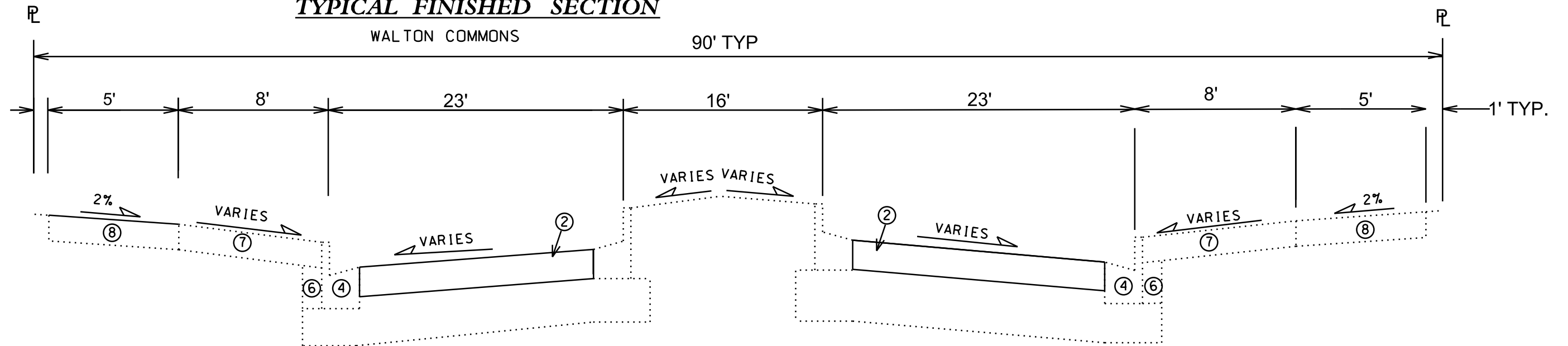


- ① POINT REFERRED TO ON PROFILE
② 3" BITUMINOUS UPPER LAYER, TYPE E-0.3
③ 16" GRADATION 2 OR GRADATION 3(TOP 2" FOR LEVELING PURPOSES ONLY)
④ CRUSHED AGGREGATE BASE COURSE
④ TYPE 'A' OR 'E' CONCRETE CURB & GUTTER
⑥ FILL
⑦ 4" TOPSOIL & SEED
⑧ 5" CONCRETE SIDEWALK

TYPICAL FINISHED SECTION

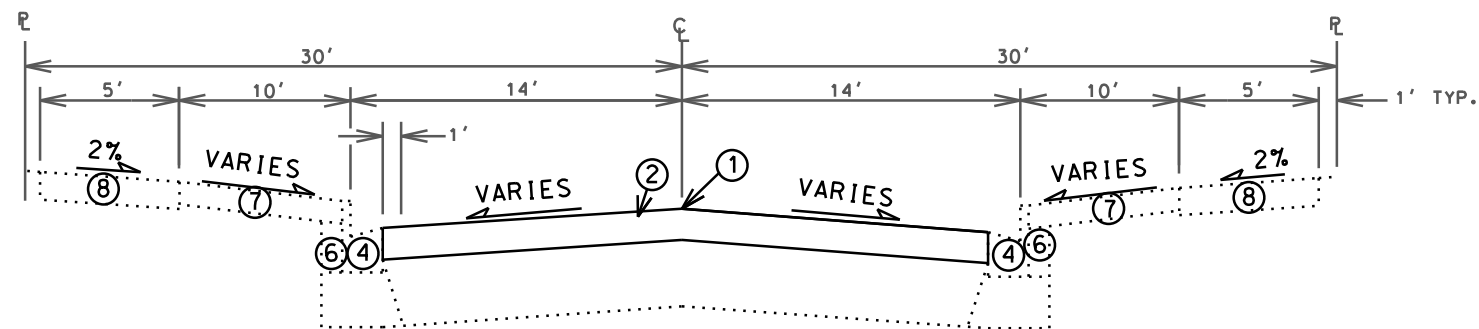
WALTON COMMONS

90' TYP



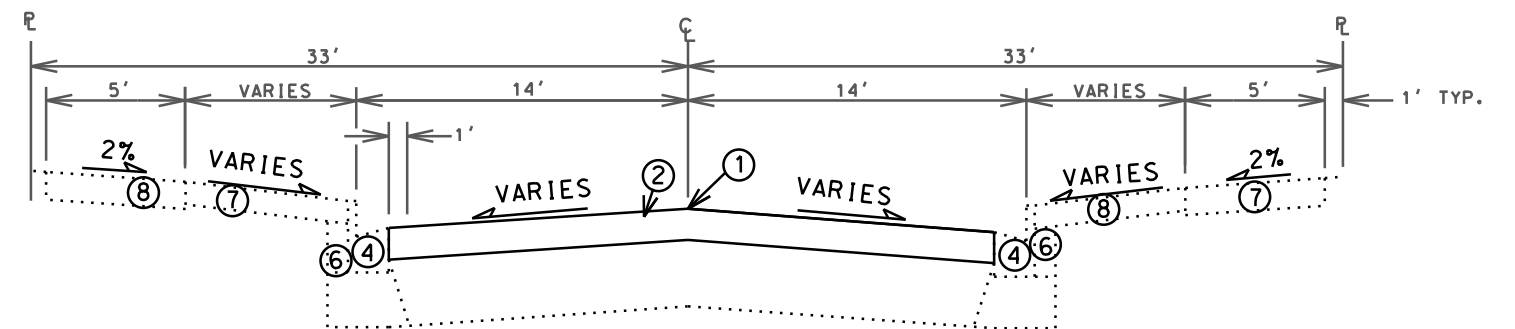
TYPICAL FINISHED SECTION

FEN OAK DRIVE
STA 10+85 - STA 17+00



TYPICAL FINISHED SECTION

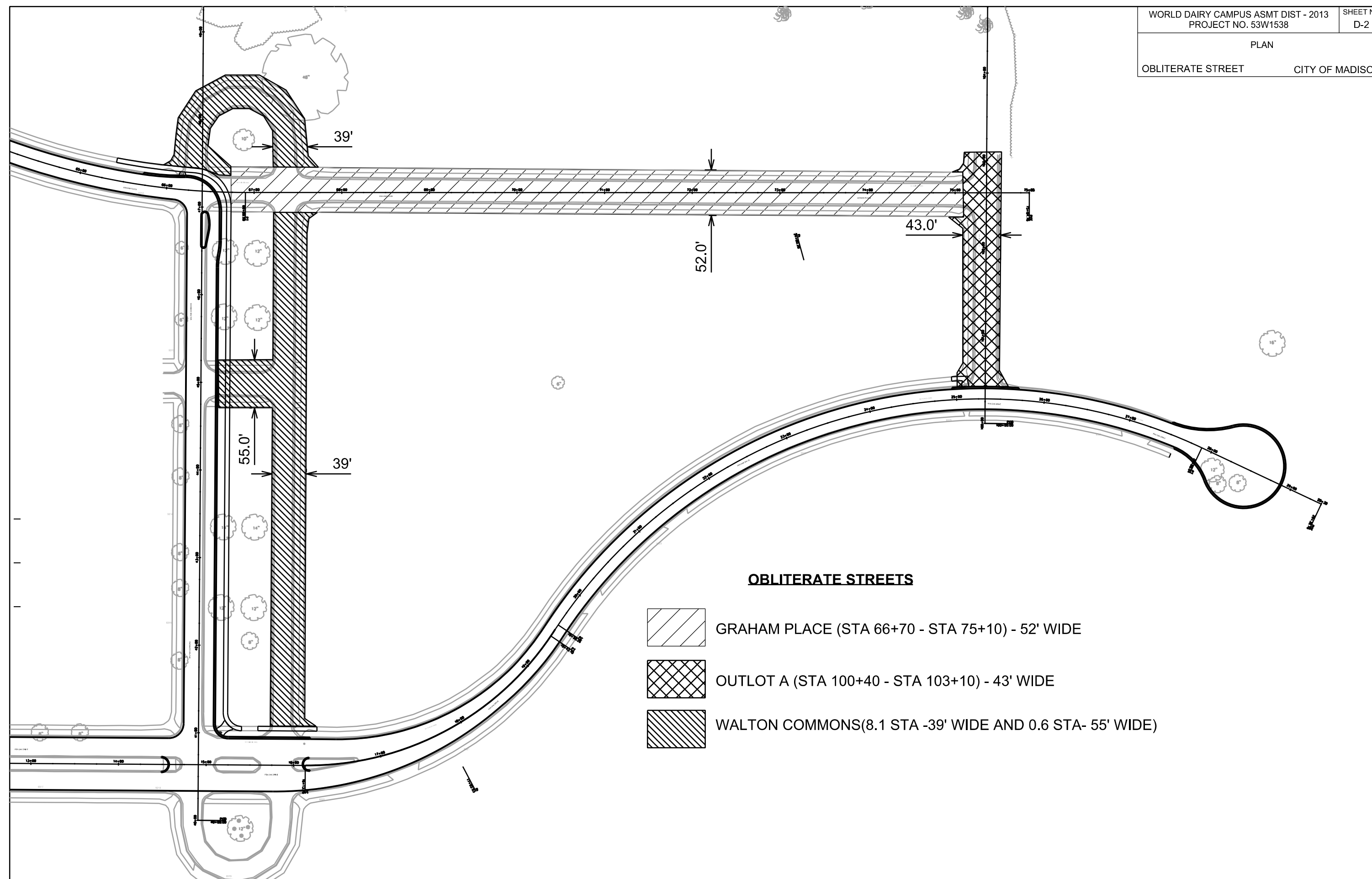
FEN OAK DRIVE - STA 17+00 - STA 27+50



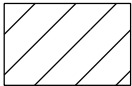
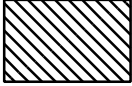
TYPICAL FINISHED SECTION

GRAHAM PLACE - STA 61+45 - 66+00

TYPICAL SECTIONS NOT TO SCALE



OBLITERATE STREETS

-  GRAHAM PLACE (STA 66+70 - STA 75+10) - 52' WIDE
-  OUTLOT A (STA 100+40 - STA 103+10) - 43' WIDE
-  WALTON COMMONS(8.1 STA -39' WIDE AND 0.6 STA- 55' WIDE)

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

STREET CONSTRUCTION
ENTRANCE

TYPE D HYBRID INLET
PROTECTION

TYPE C INLET
PROTECTION

12" SILT SOCK OR
STONE WEEPER

EROSION CONTROL NOTES:

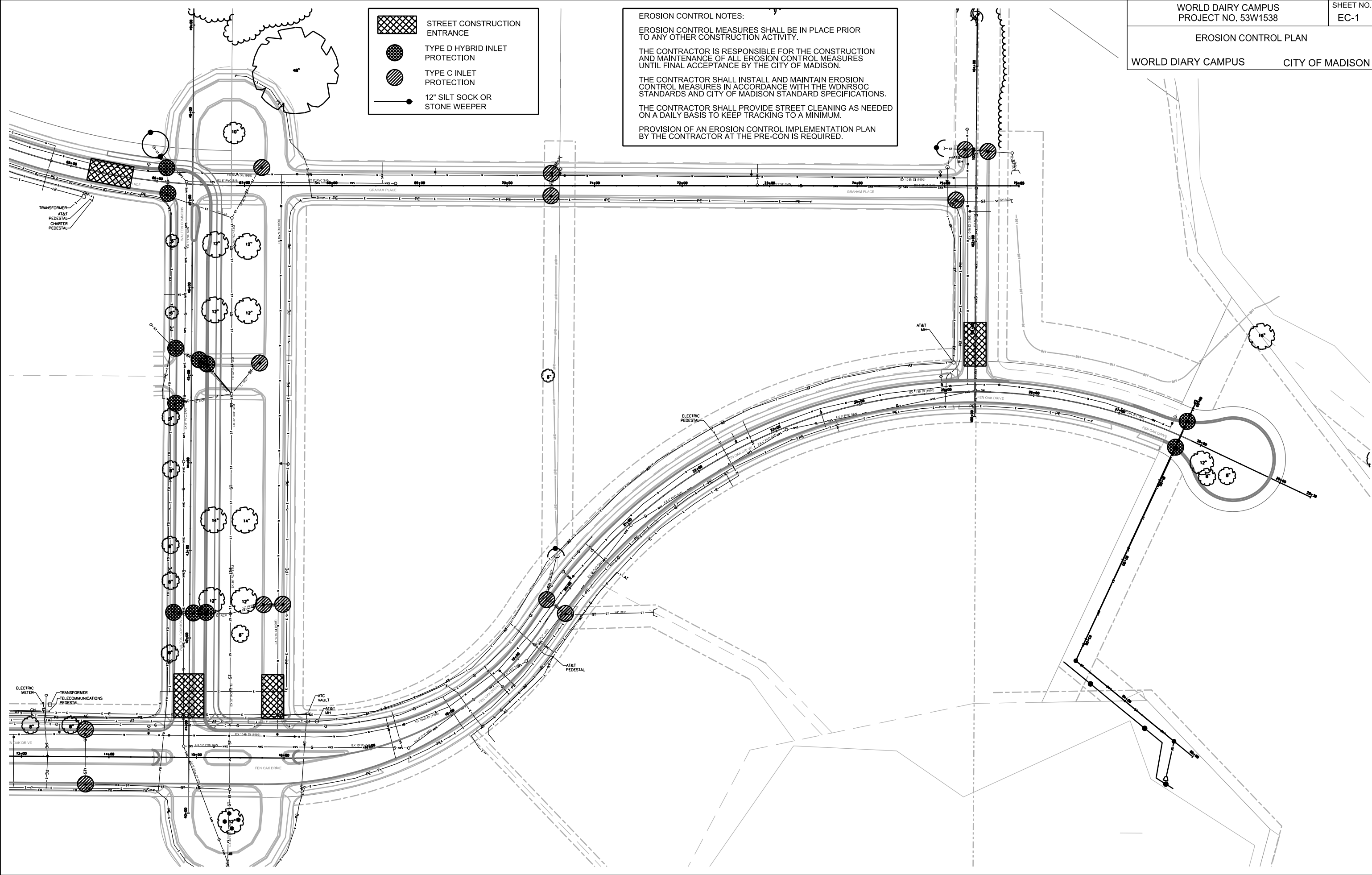
EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

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.

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



PLOT SCALE: _____

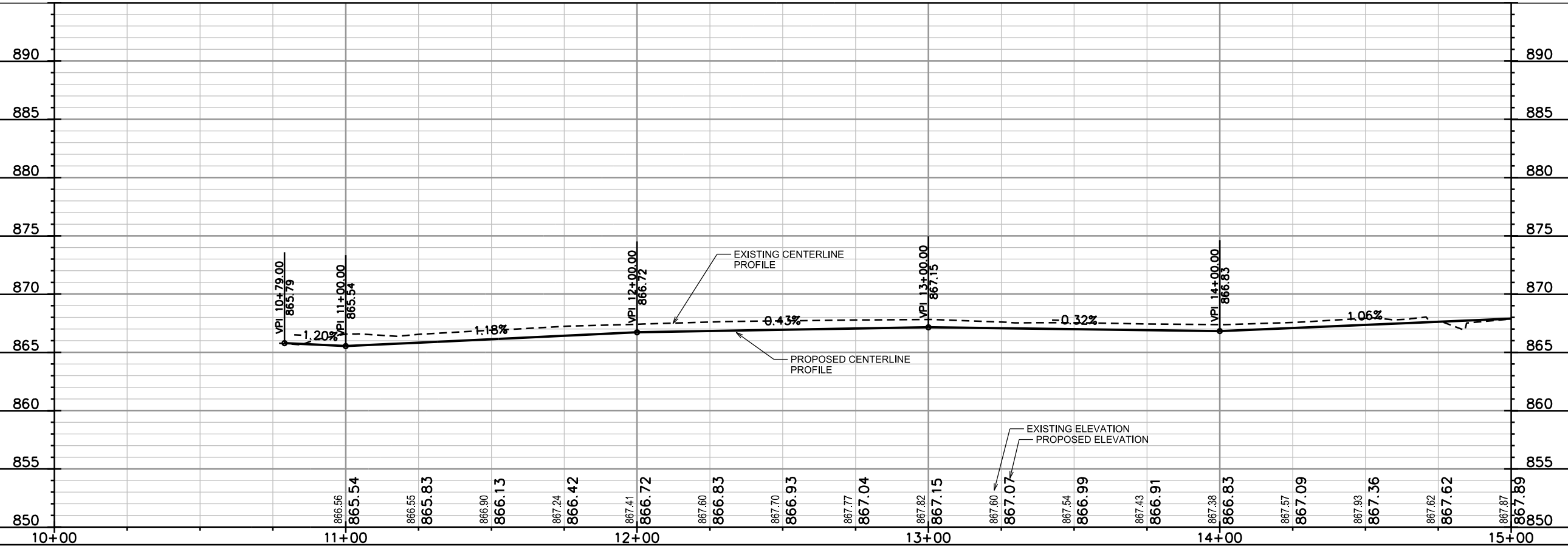
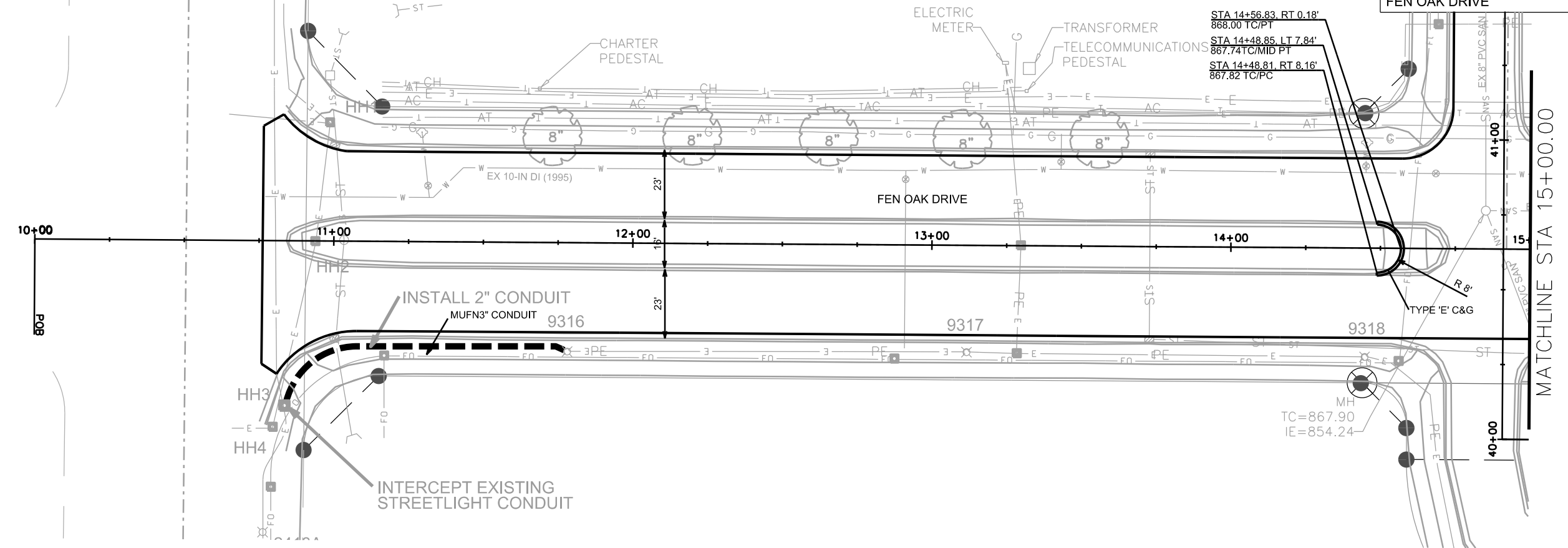
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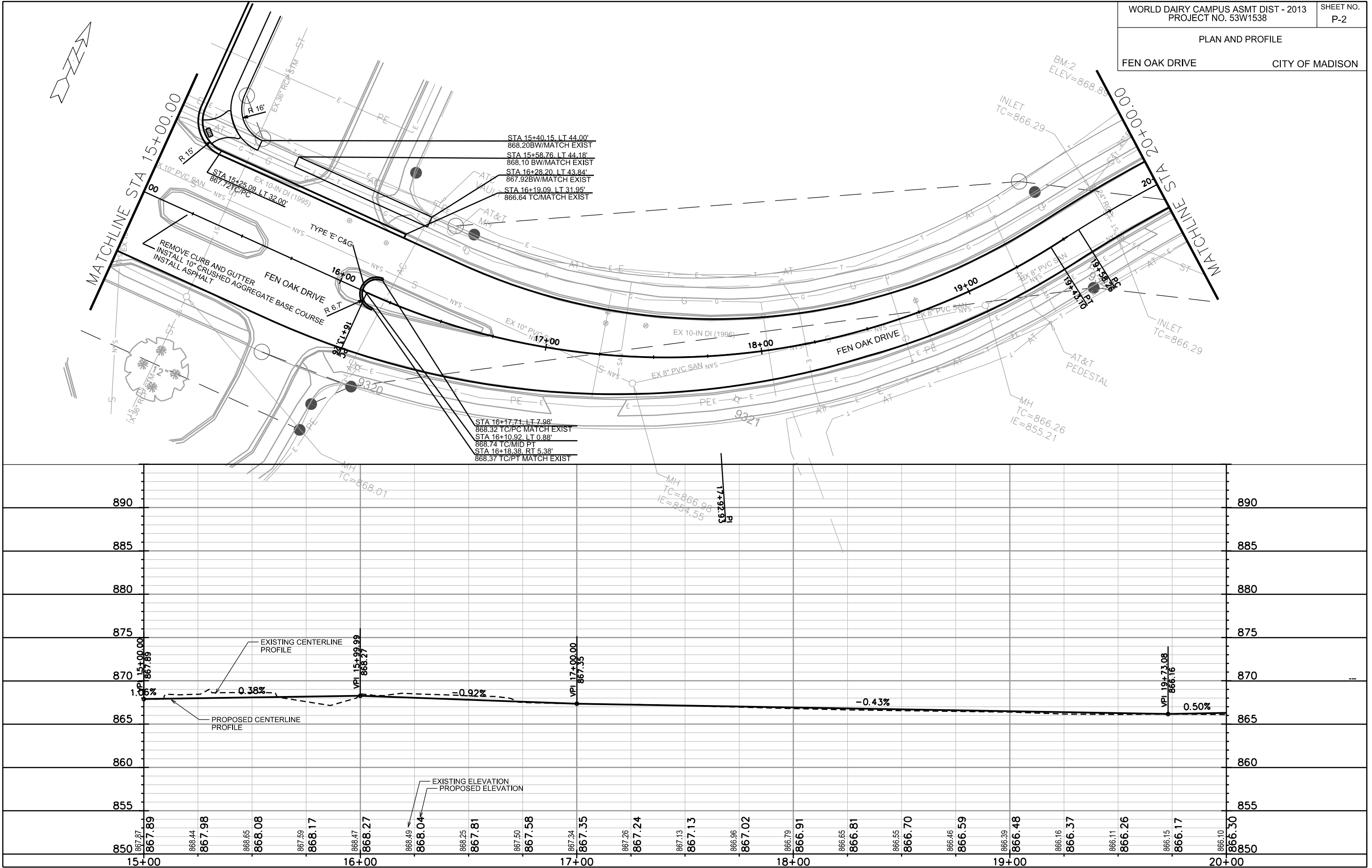
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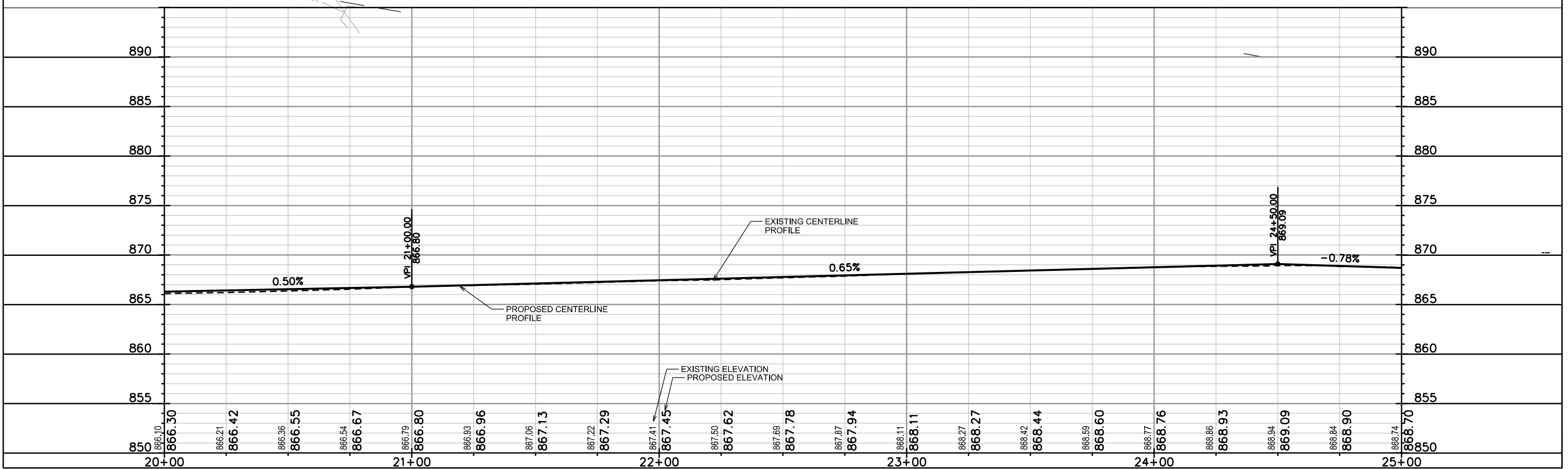
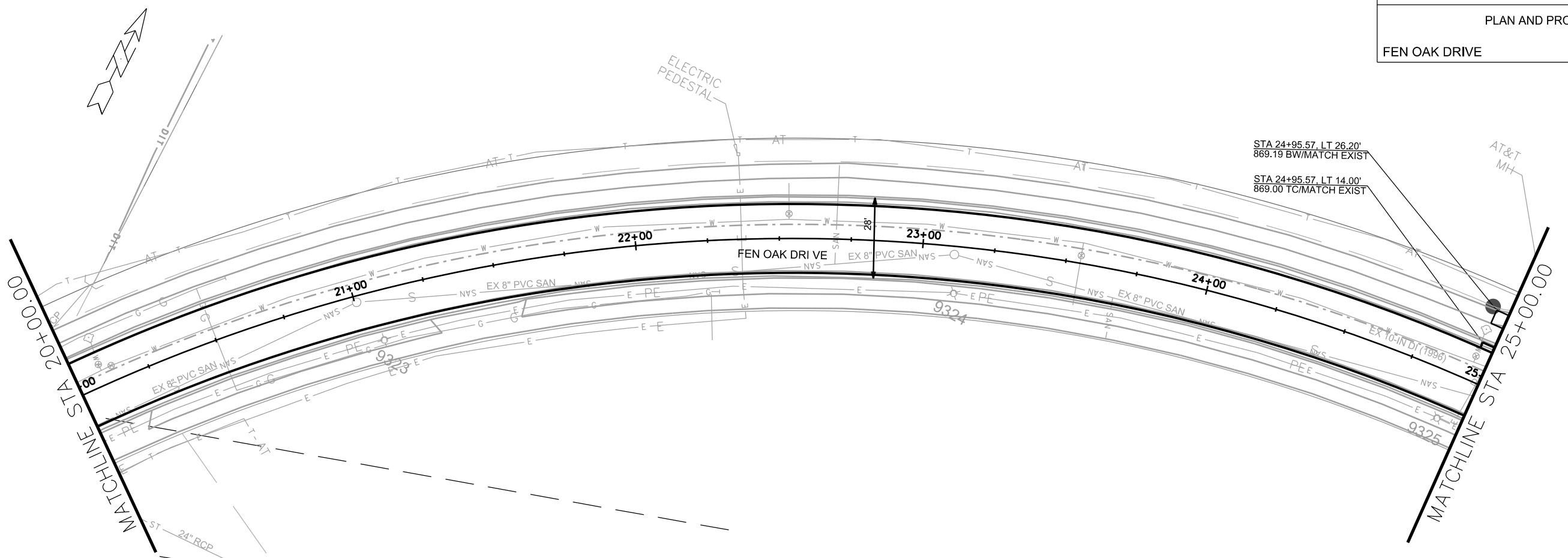
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

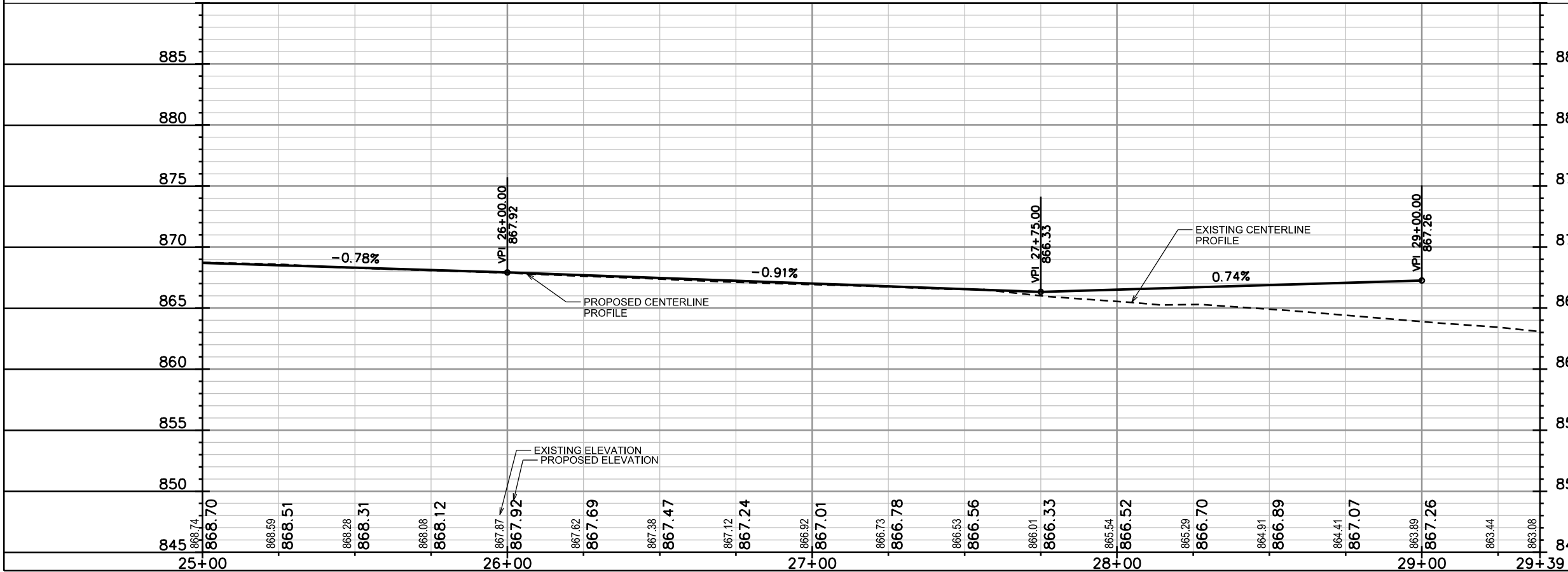
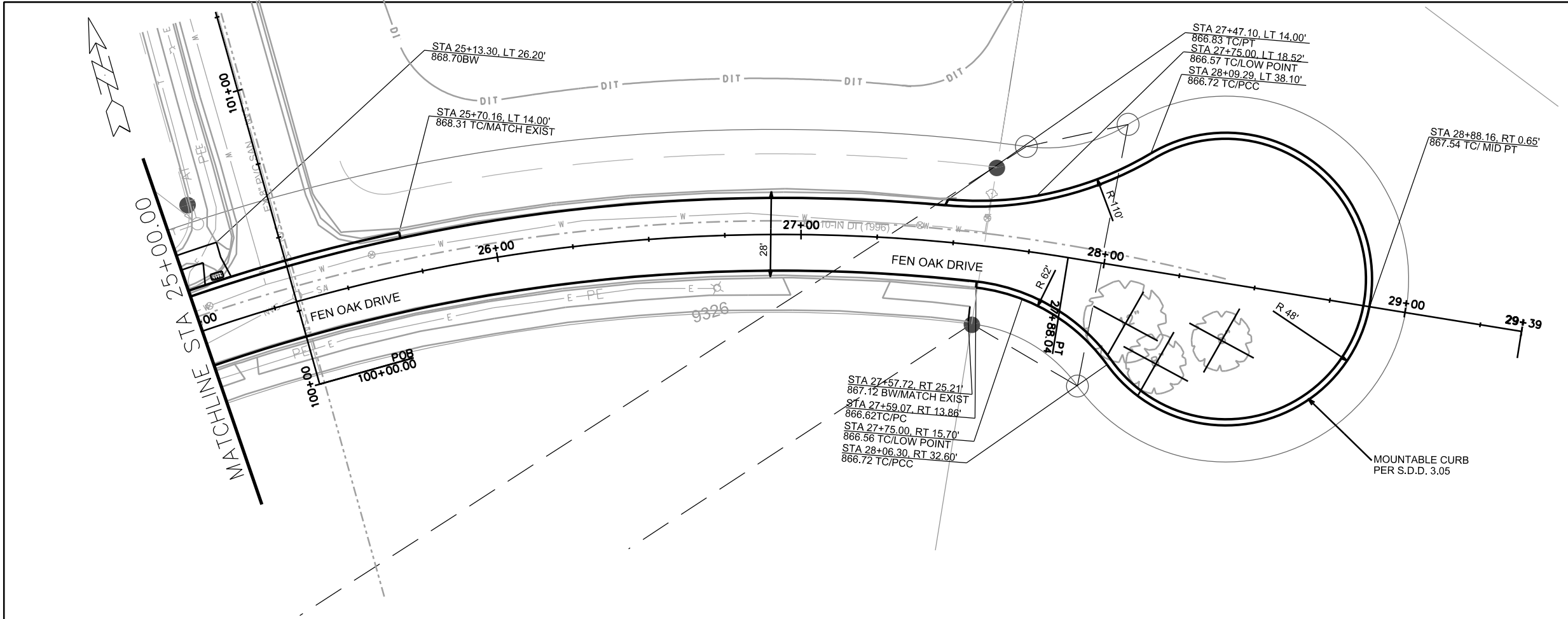
PLAN AND PROFILE

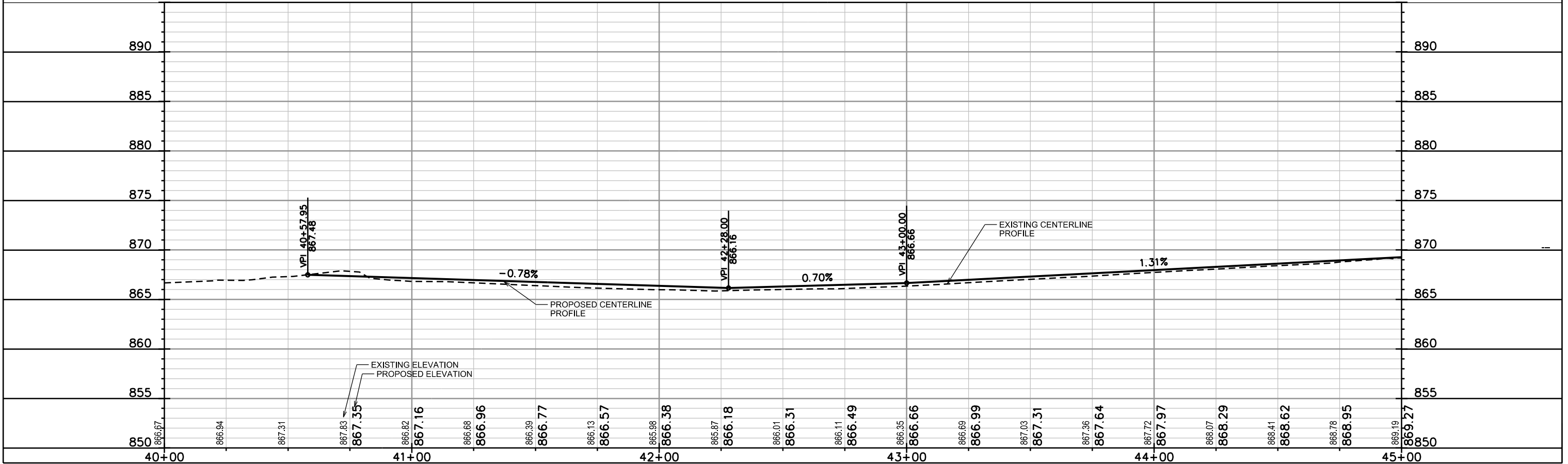
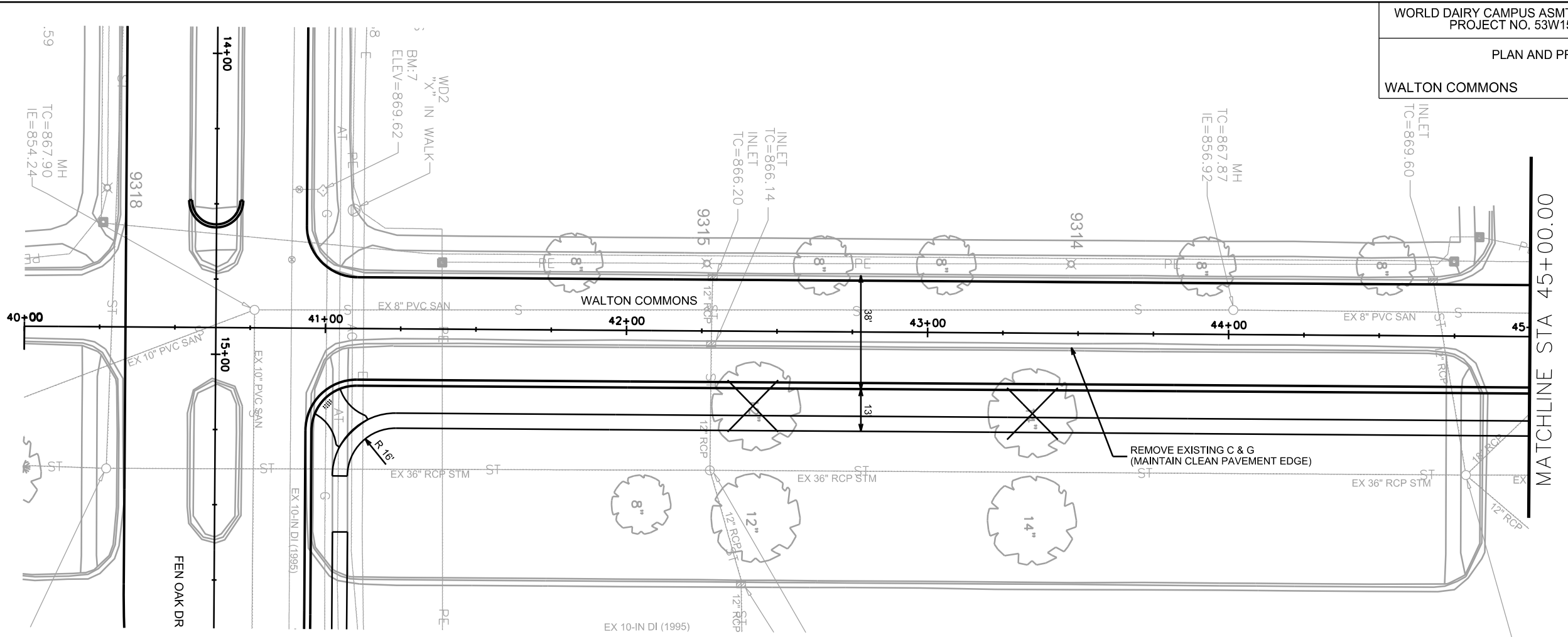
FEN OAK DRIVECITY OF MADISON











ORIGINATOR: CITY OF MADISON, STREETS DIVISION

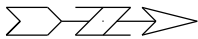
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PLOT NAME: _____

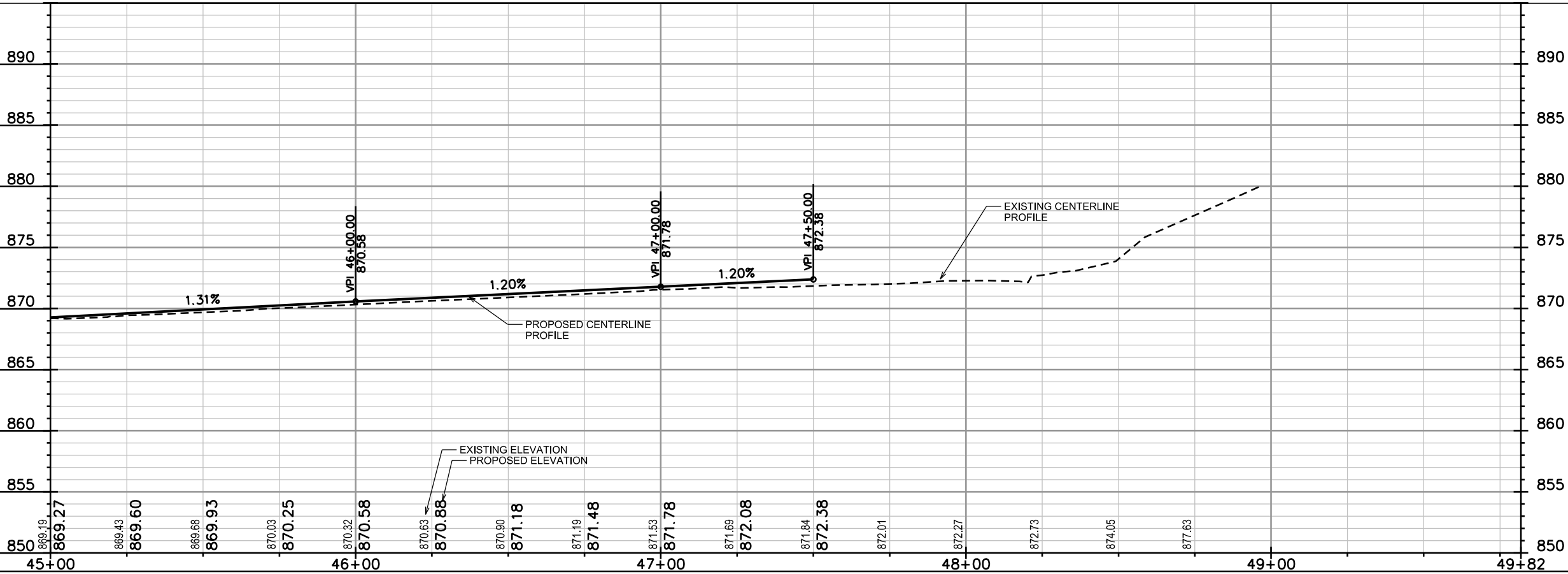
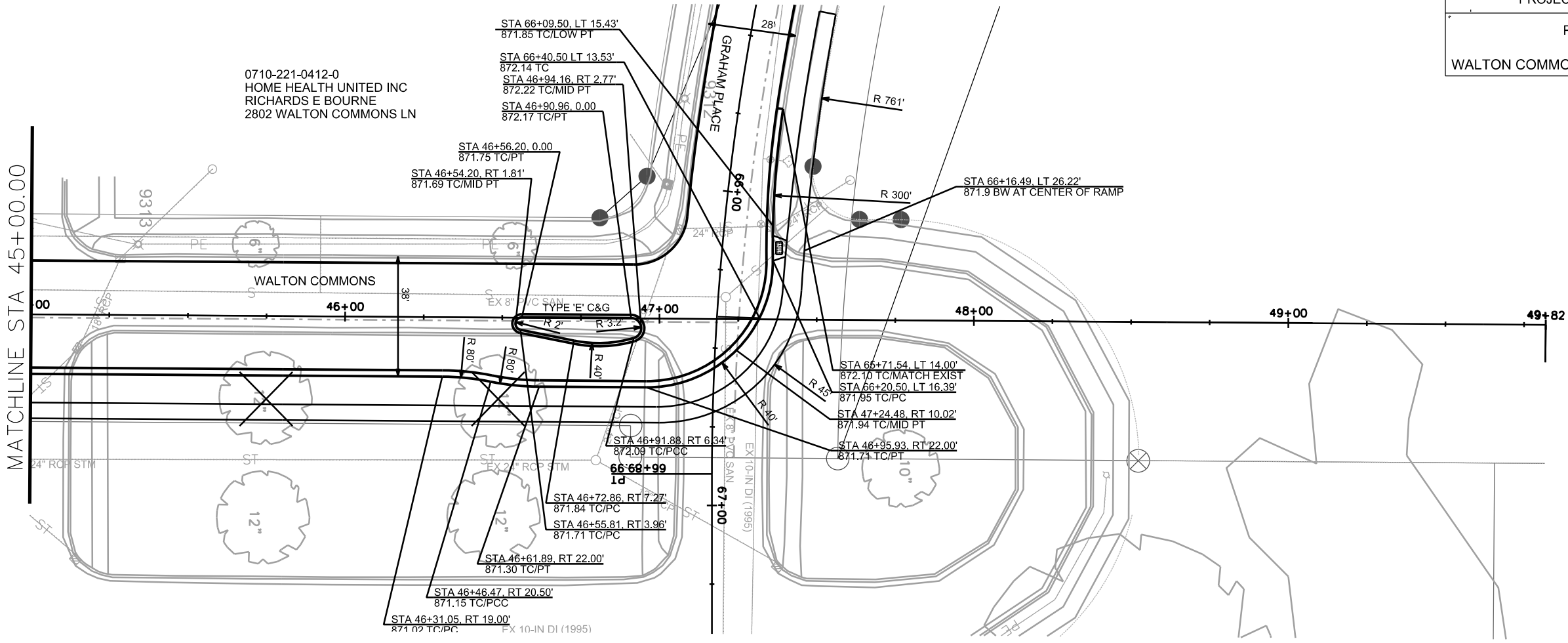
PLOT SCALE: _____

PLAN AND PROFILE

WALTON COMMONS CITY OF MADISON



0710-221-0412-0
HOME HEALTH UNITED INC
RICHARDS E BOURNE
2802 WALTON COMMONS LN

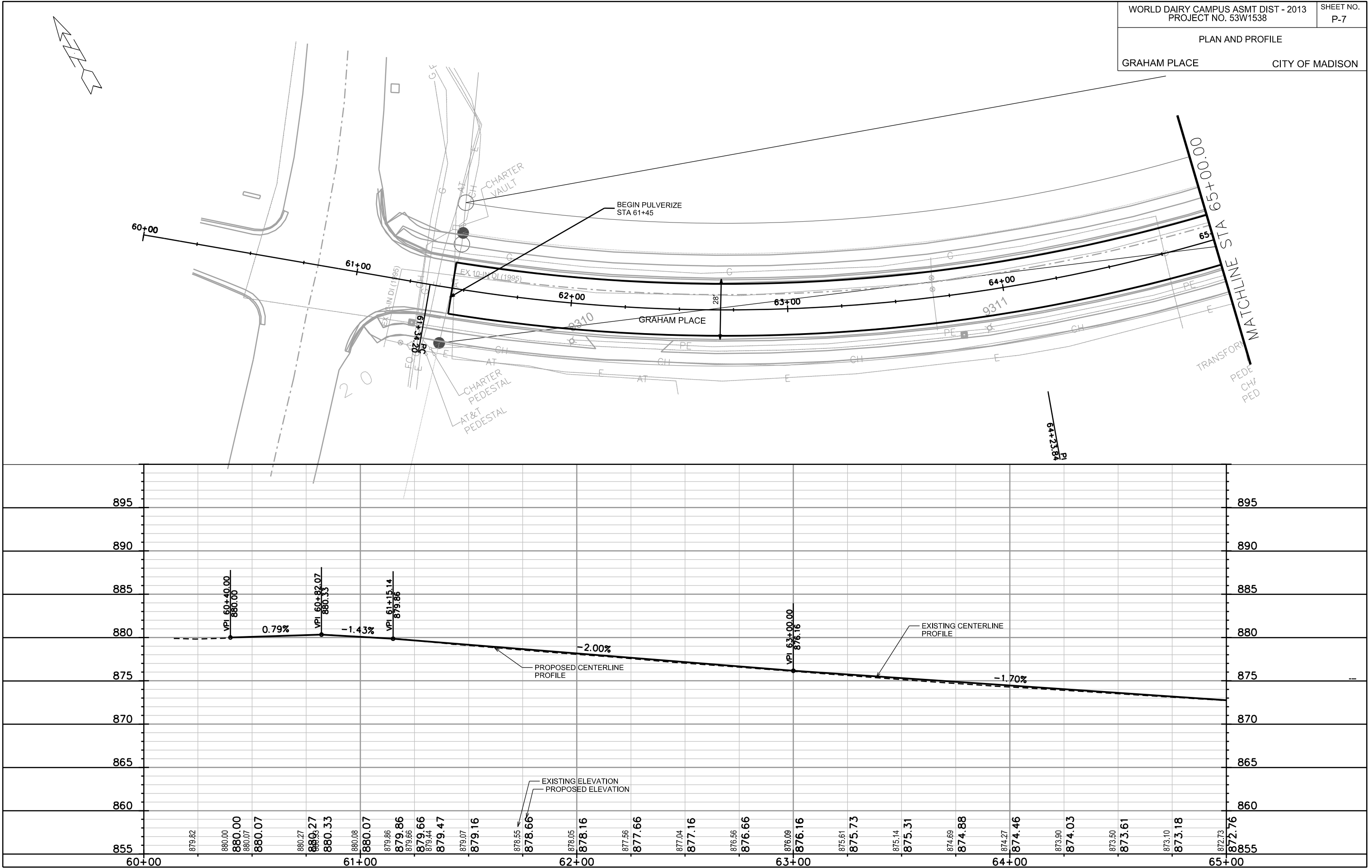


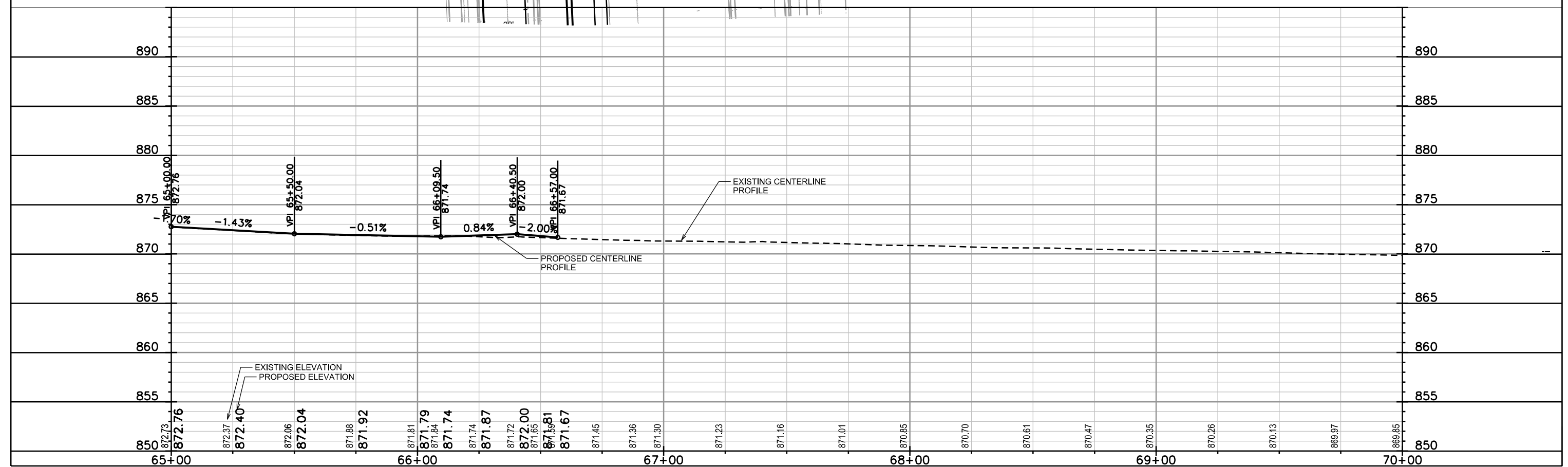
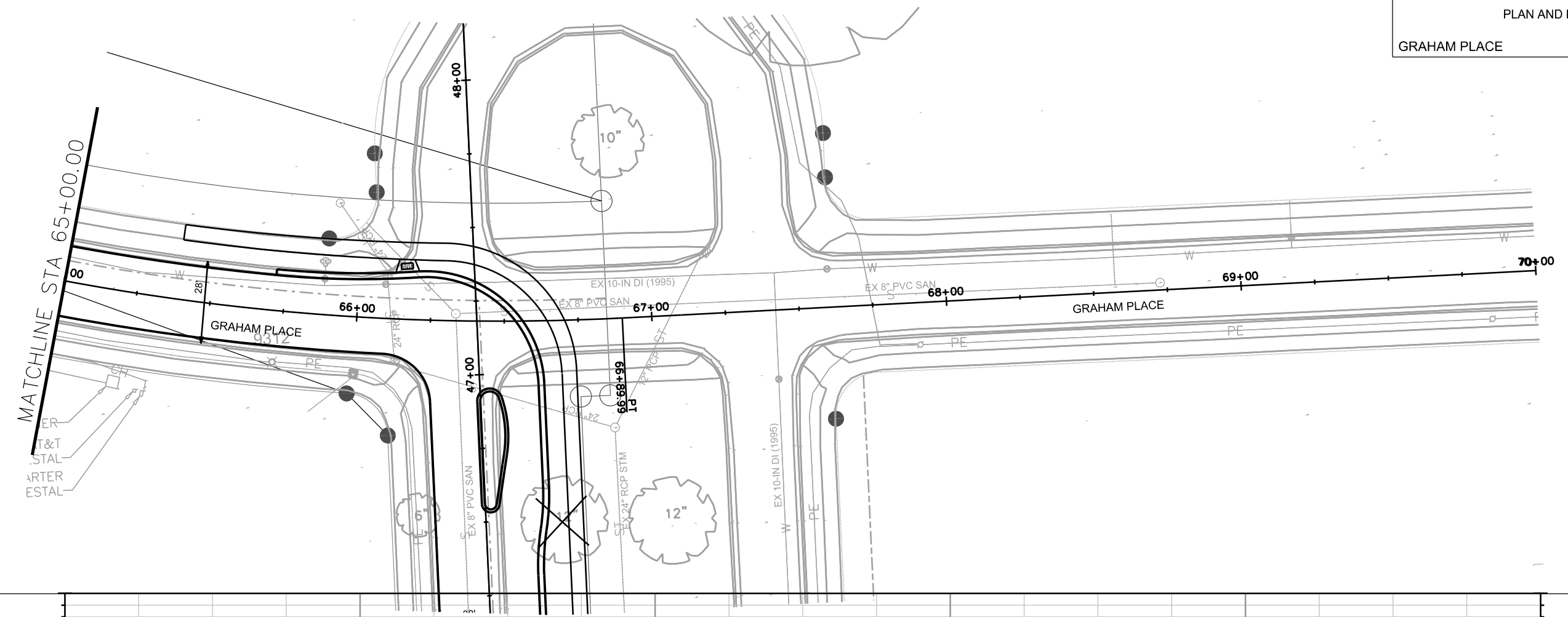
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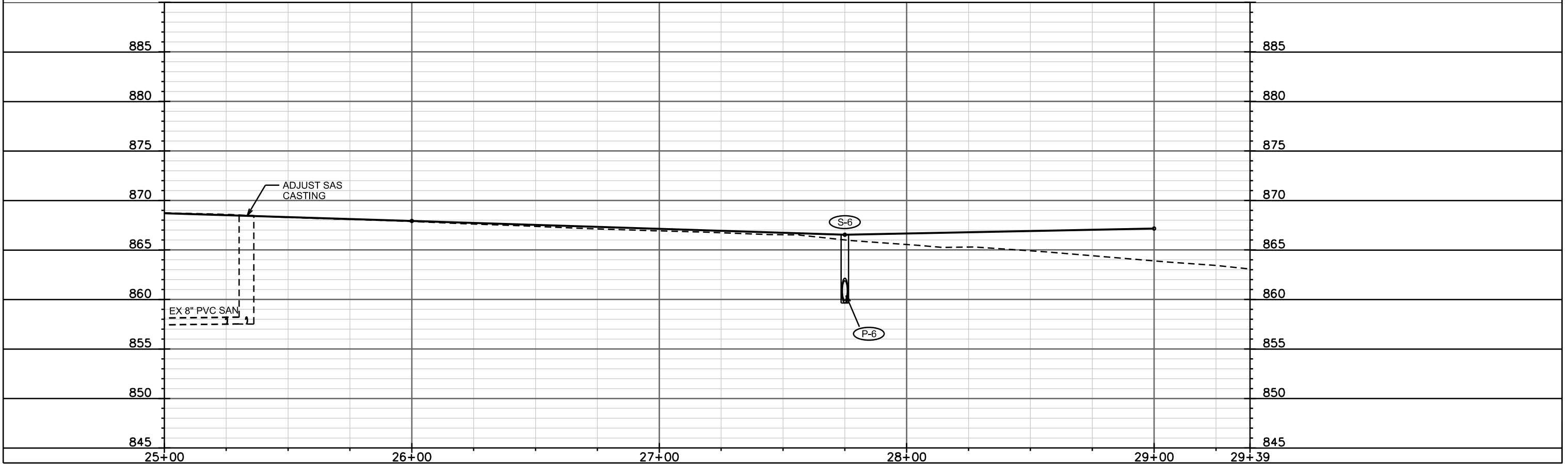
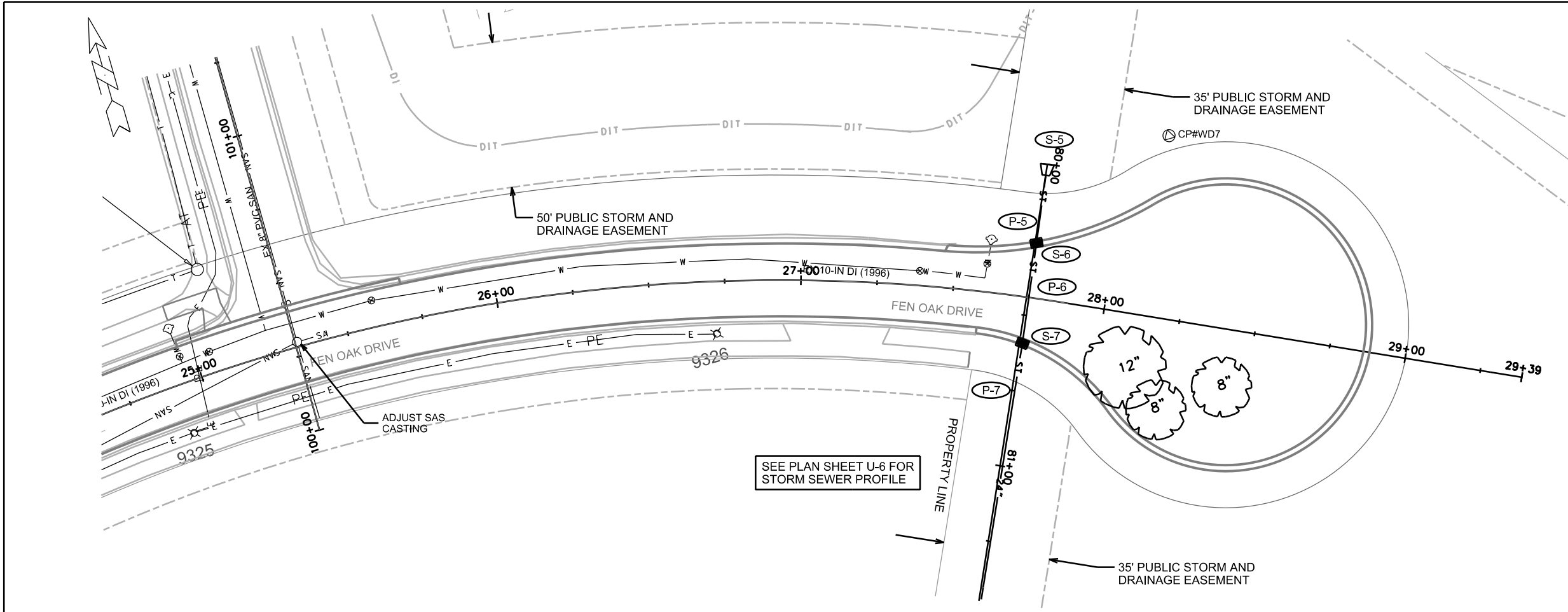
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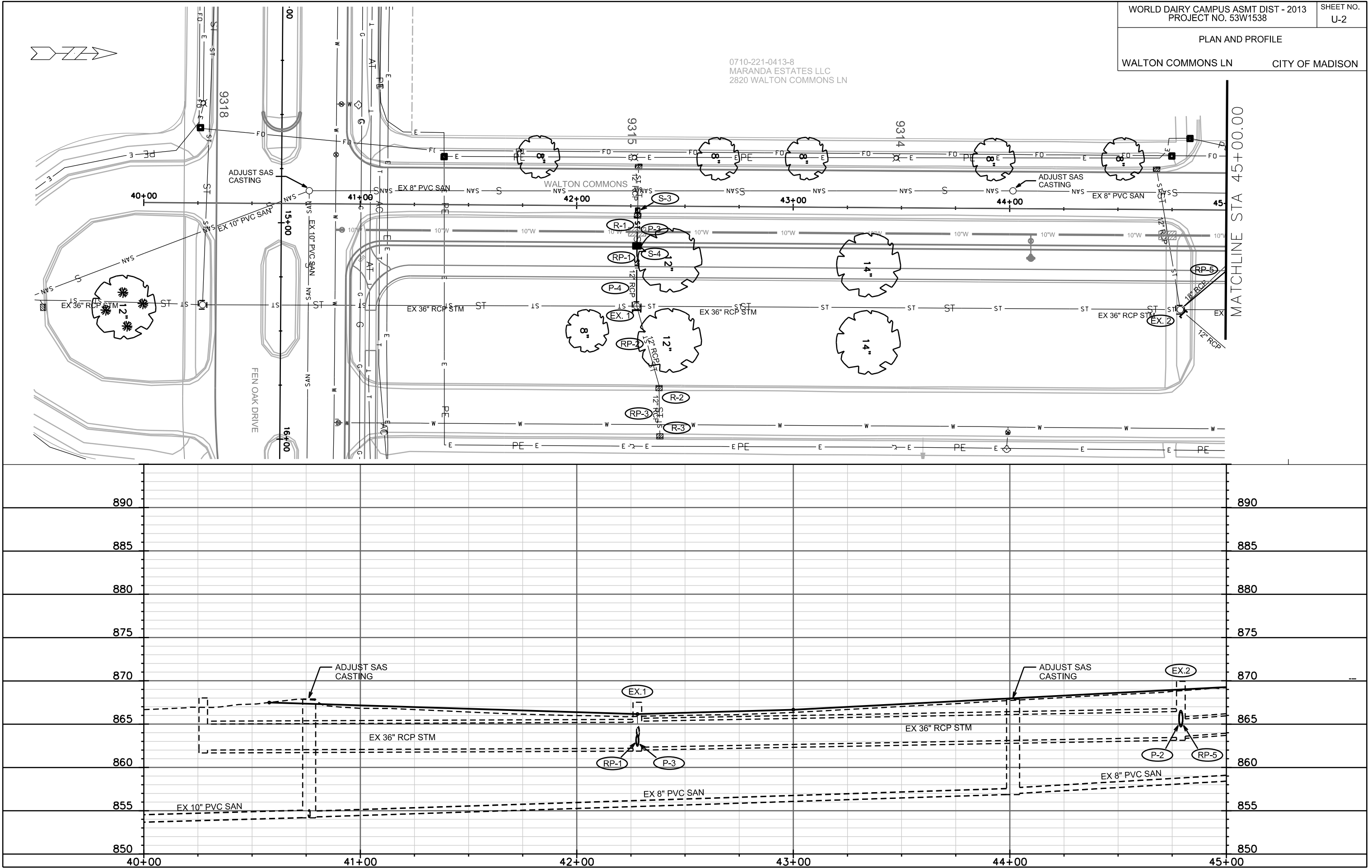
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



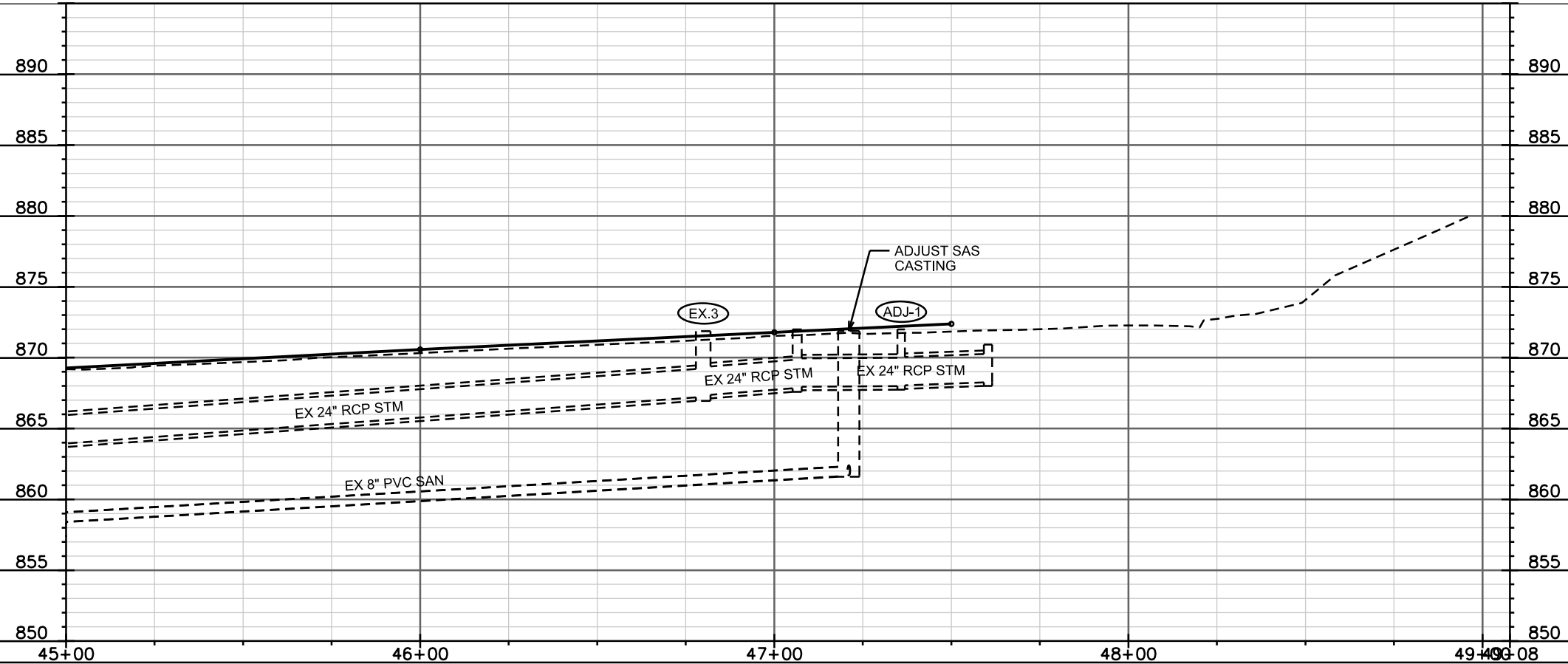
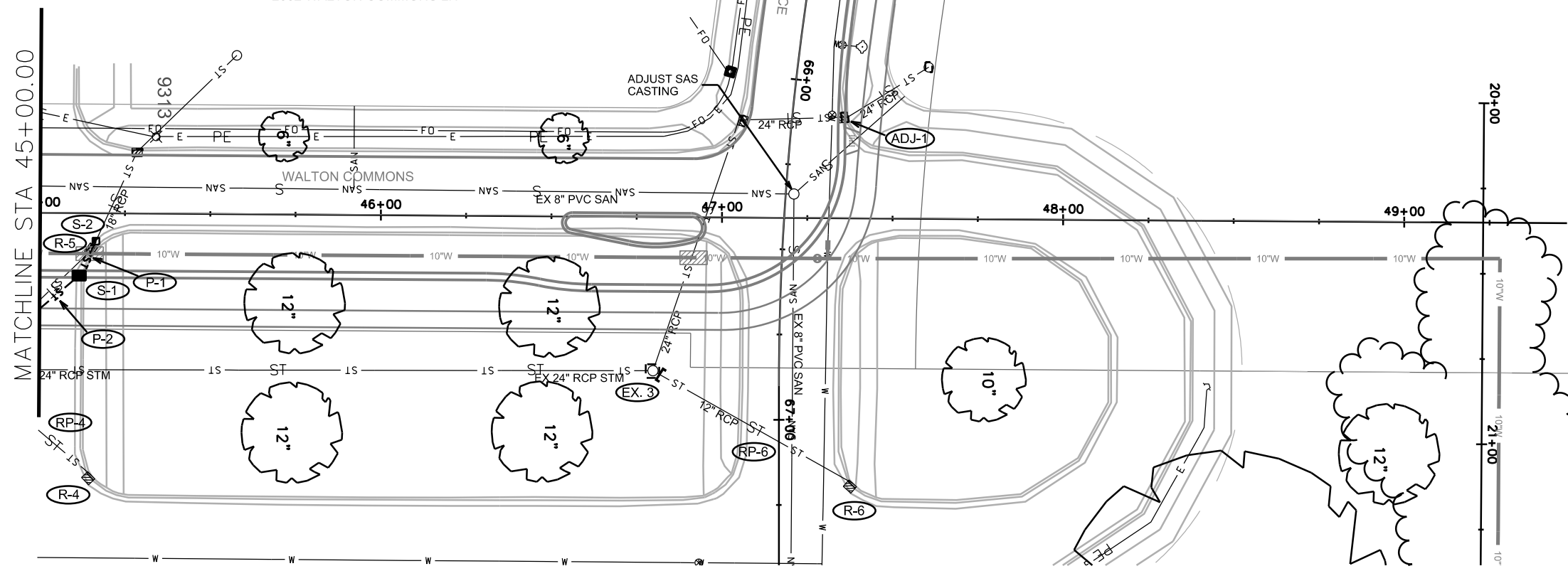








0710-221-0412-0
HOME HEALTH UNITED INC
RICHARDS E BOURNE
2802 WALTON COMMONS LN

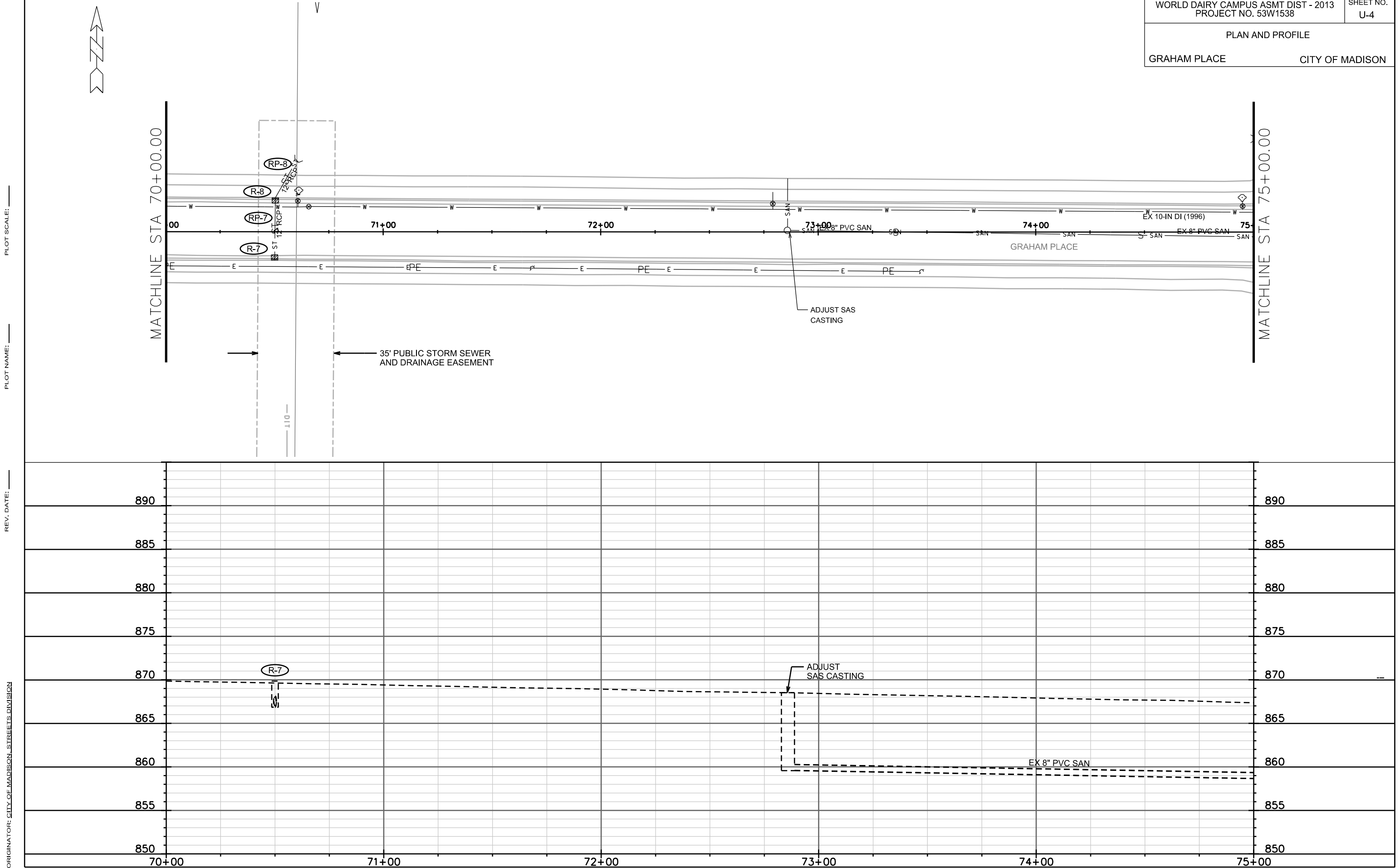


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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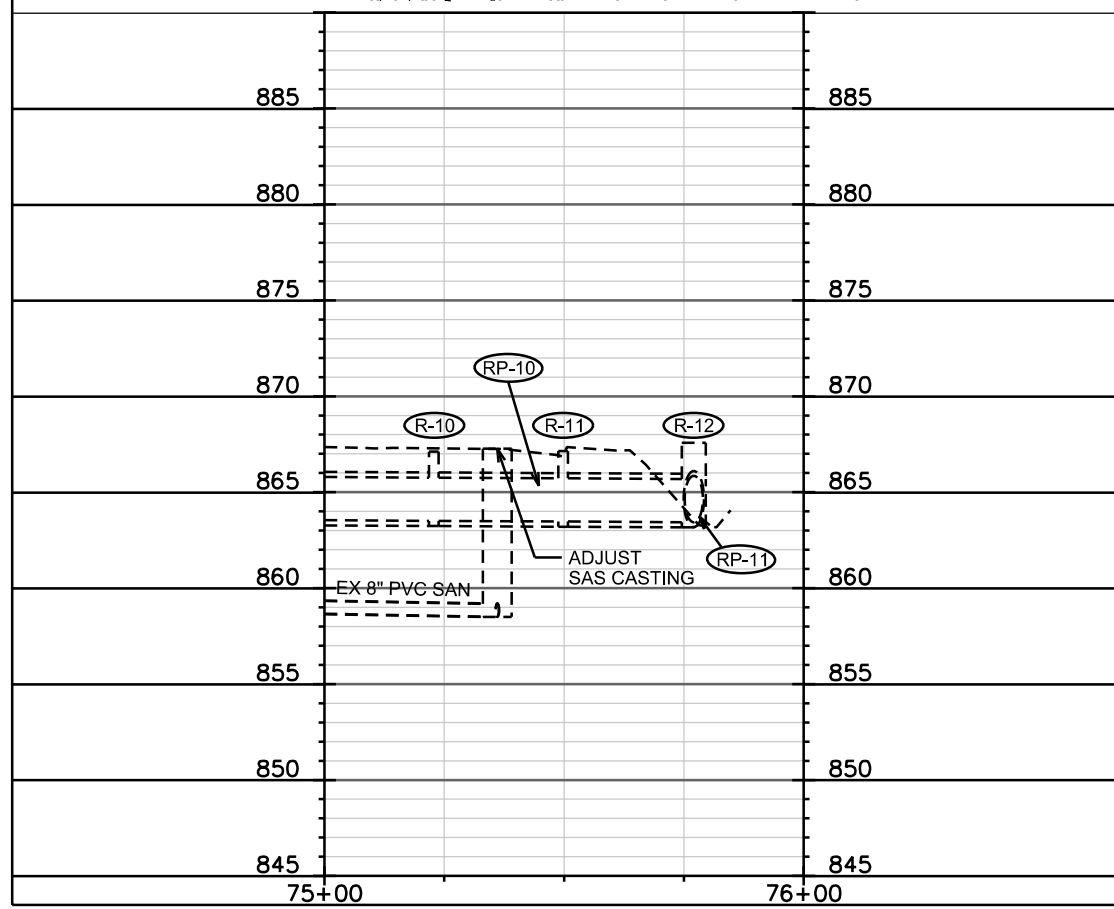
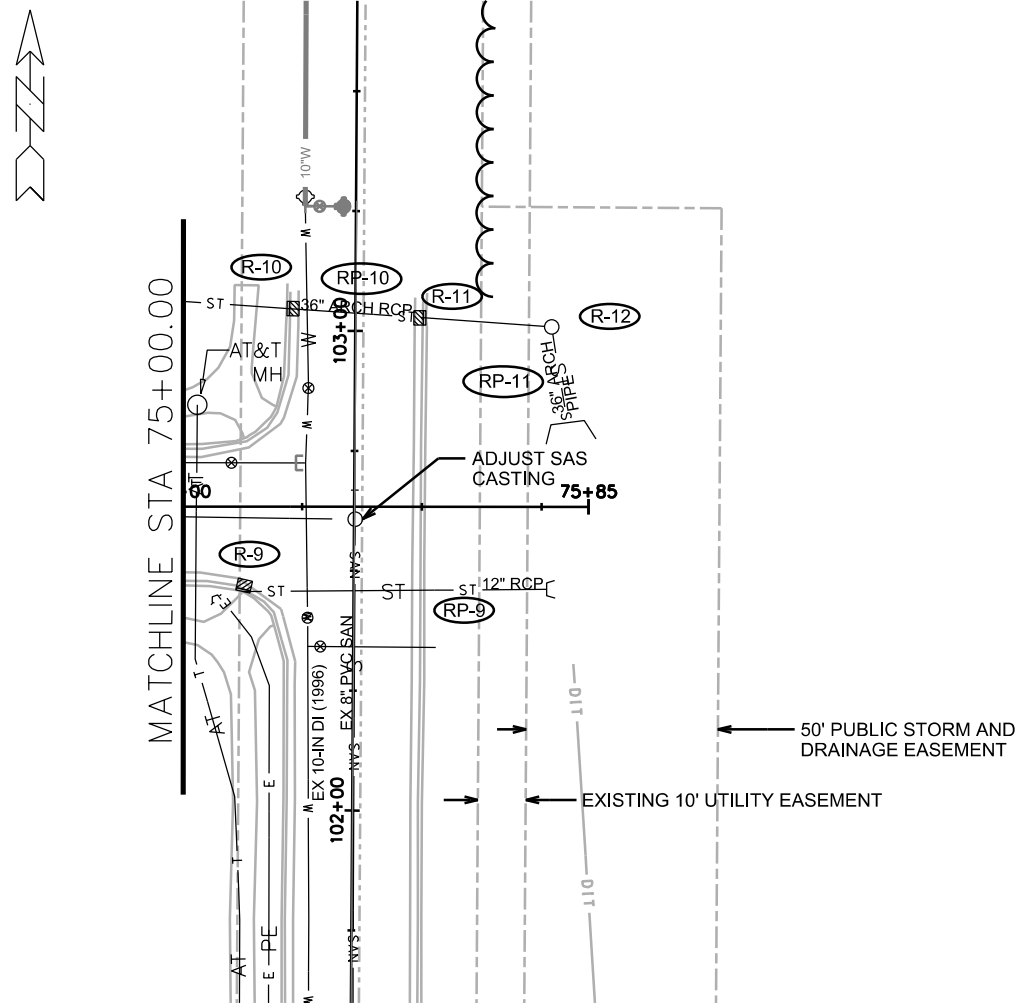
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

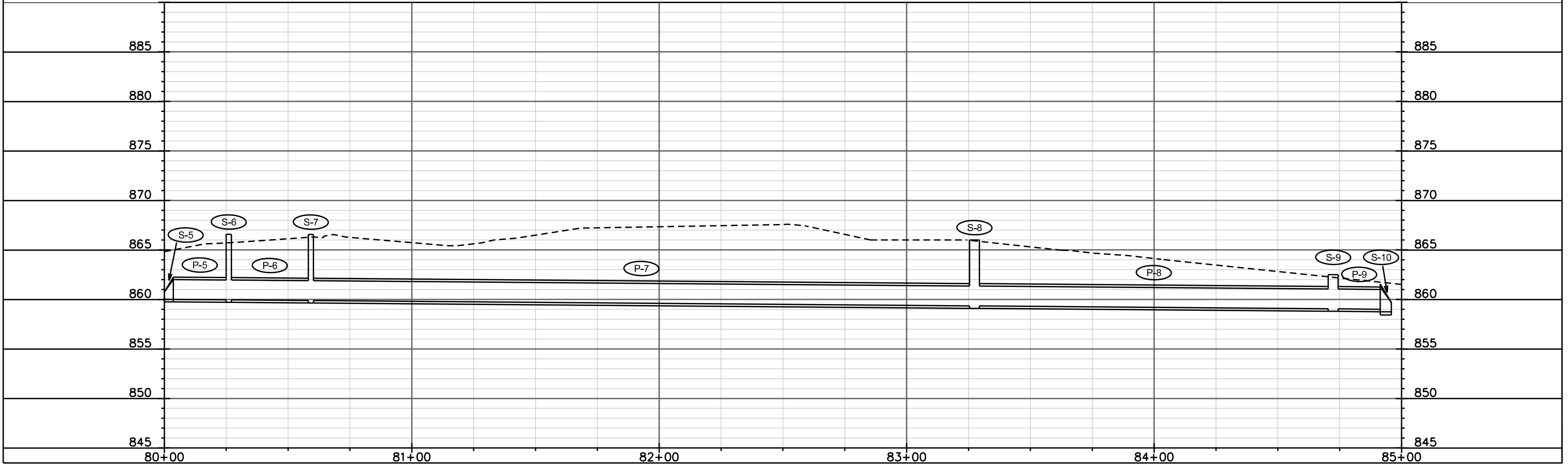
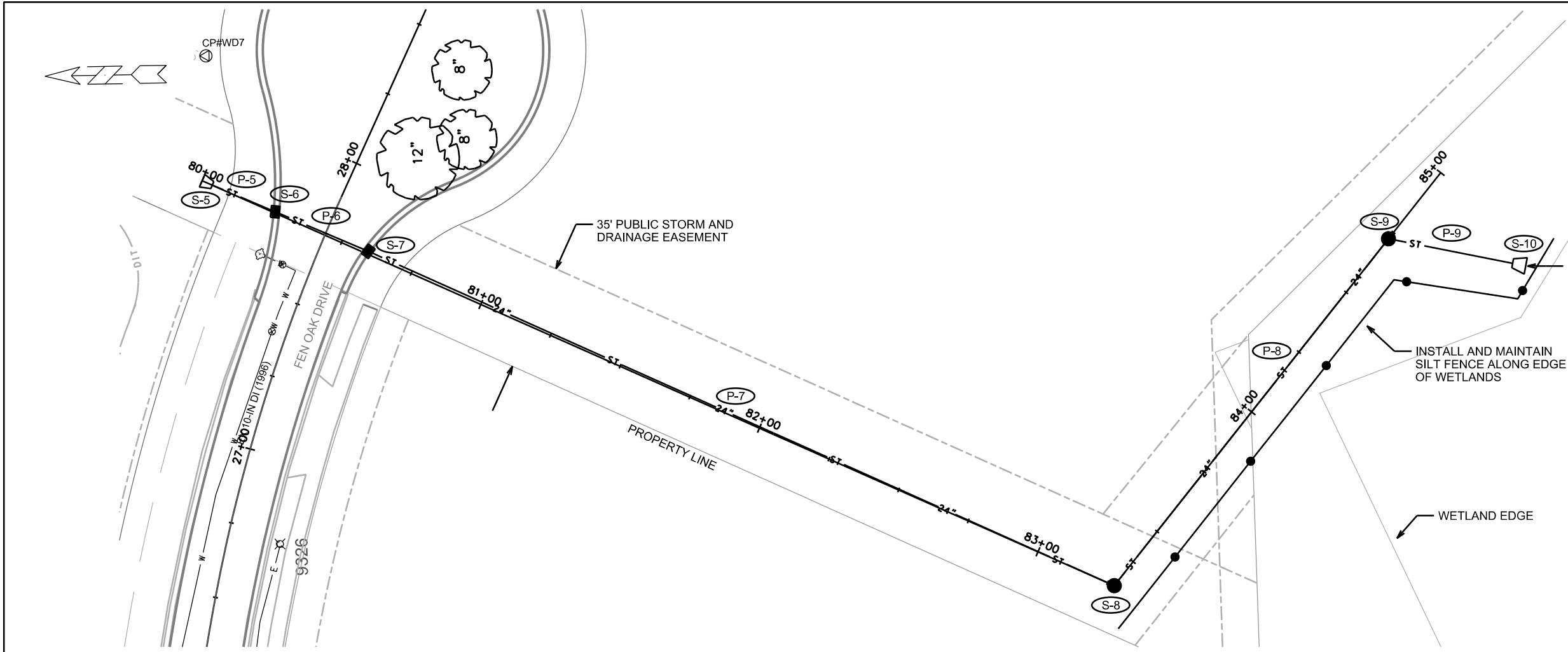
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





STORM SCHEDULE

ALIGNMENT CODES:

'W' = WALTON COMMONS
'FO' = FEN OAK DR
'G' = GRAHAM PLACE
'S' = STORM SEWER

REVISED 01-18-2014 ELD

WORLD DAIRY CAMPUS ASMT DIST - 2013

SHEET NO.

PROJECT NO. 53W1538

U-7

STORM SEWER SCHEDULE

CITY OF MADISON

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-1	45'W'+11.68	RT-18.50	H INLET	870.00	865.52	4.48	W/R-3067-7004
S-2	45'W'+16.52	RT-8.36	CONC. COLLAR	--	865.70	--	
S-3	42'W'+28.17	RT-2.03	CONC. COLLAR	--	863.59	--	
S-4	42'W'+27.91	RT-18.50	H INLET	866.20	863.47	2.73	W/R-3067-7004
S-5	80'S'+00.00	CL	24" RCP A.E.	863.00	860.00	3.00	W/ GATE
S-6	80'S'+26.03	LT-0.43	H INLET	866.57	859.96	6.61	W/R-3067-7004 (FP)
S-7	80'S'+59.20	LT-1.00	H INLET	866.56	859.89	6.67	W/R-3067-7004 (FP)
S-8	83'S'+27.38	CL	4' DIA SAS	866.00	859.35	6.65	W/R-1550-0054
S-9	84'S'+72.37	CL	4' DIA SAS	862.50	859.06	3.44	W/R-1550-0054
S-10	84'S'+93.34	RT-40.83	30" RCP A.E.	862.00	859.00	3.00	W/ GATE (1)

PROPOSED STORM 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	10	865.52	865.70	1.80%	18"	RCP	
P-2	EX.2	S-1	43	864.88	865.52	1.49%	18"	RCP	
P-3	S-4	S-3	17	863.47	863.59	0.73%	12"	RCP	
P-4	EX. 1	S-4	28	862.61	863.47	3.09%	12"	RCP	
P-5	S-6	S-5	22	859.96	860.00	0.18%	24"	RCP	
P-6	S-7	S-6	33	859.89	859.96	0.21%	24"	RCP	
P-7	S-8	S-7	268	859.35	859.89	0.20%	24"	PVC	
P-8	S-9	S-8	145	859.06	859.35	0.20%	24"	PVC	
P-9	S-10	S-9	42	859.00	859.06	0.14%	24"	PVC	

REMOVE STORM STRUCTURES

ID NO.	STRUCTURE	STATION	LOCATION (OFFSET)	TYPE
R-1		42'W'+28.00	5.0' RT	H INLET
R-2		42'W'+38.50	83.0' RT	H INLET
R-3		42'W'+39.00	107.0' RT	H INLET
R-4		45'W'+15.50	77.0' RT	H INLET
R-5		45'W'+16.00	11.0' RT	H INLET
R-6		47'W'+39.00	78.0' RT	H INLET
R-7		70'G'+50.00	12.5' RT	H INLET
R-8		70'G'+50.00	15.0' LT	H INLET
R-9		75'G'+13.00	17.25' RT	H INLET
R-10		75'G'+22.00	41.0' LT	SADDLED INLET
R-11		75'G'+50.00	39.5' LT	SADDLED INLET
R-12		75'G'+77.00	37.5' LT	5'X5' SAS

STORM SEWER PIPE REMOVALS

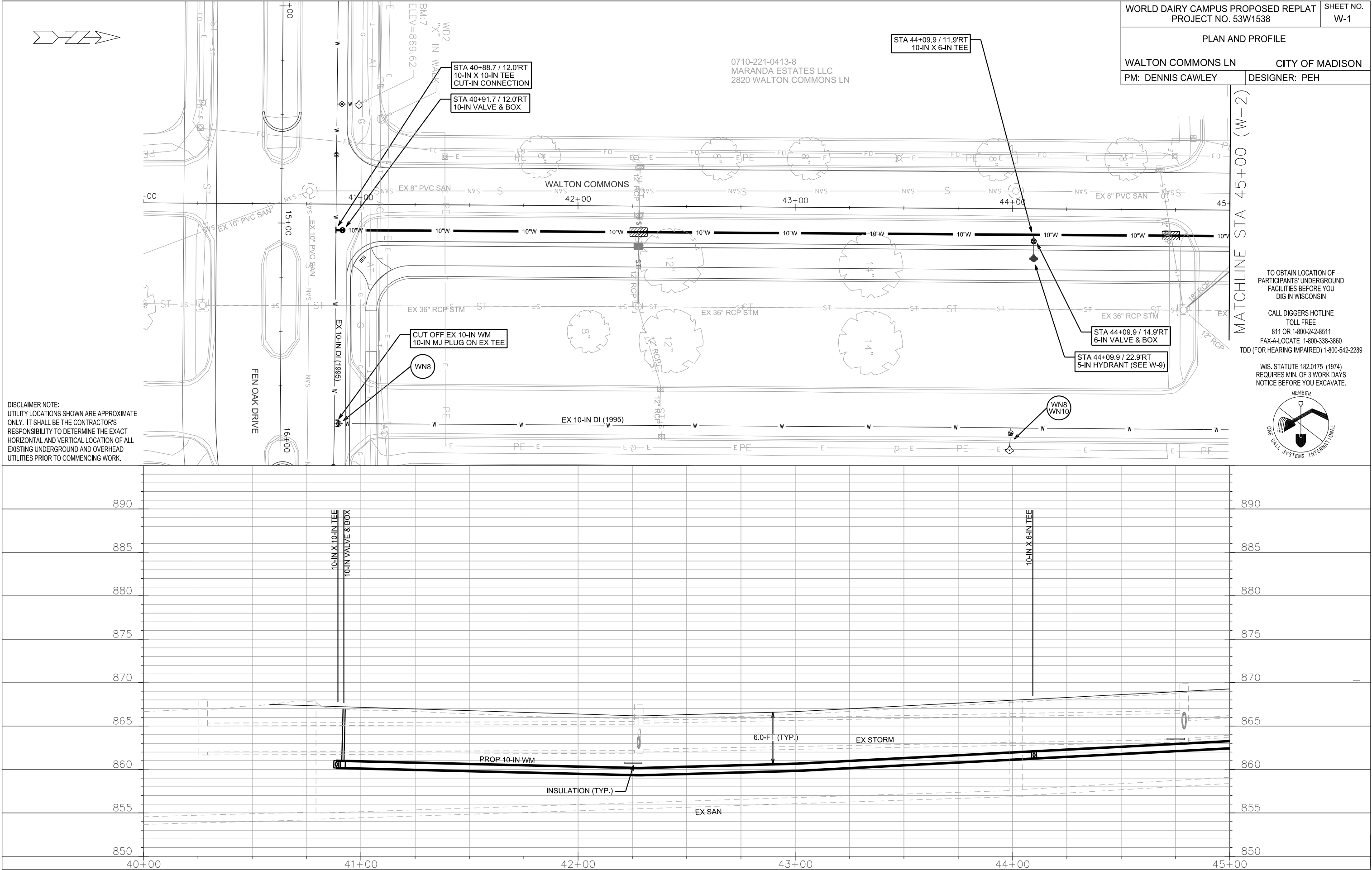
ID NO.	REMOVE FROM	REMOVE TO	SIZE	TYPE	LENGTH	PAID (Y/N)	NOTES
RP-1	EX.1	R-1	12"	RCP	38	N	INCIDENTAL
RP-2	EX.1	R-2	12"	RCP	36	Y	-
RP-3	R-2	R-3	12"	RCP	20	Y	-
RP-4	EX.2	R-4	12"	RCP	44	Y	-
RP-5	EX.2	R-5	18"	RCP	47	N	INCIDENTAL
RP-6	EX.3	R-6	12"	RCP	64	Y	-
RP-7	R-7	R-8	12"	RCP	24	Y	-
RP-8	R-8	END	12"	RCP	21	Y	-
RP-9	R-9	END	12"	RCP	62	Y	-
RP-10	END	R-12	36"	RCP ARCH	75	Y	-
RP-11	R-12	END	36"	RCP ARCH	18	Y	-

STORM STRUCTURE ADJUSTMENTS

ID NO.	STRUCTURE	STATION	LOCATION (OFFSET)	TYPE
ADJ-1		66'M'+10.00	LT-15.50	H INLET

SPECIFIC NOTES

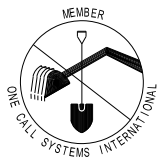
(1) S-10 TO HAVE 24" PVC INSERTED IN STRUCTURE AND SECURED IN PLACE

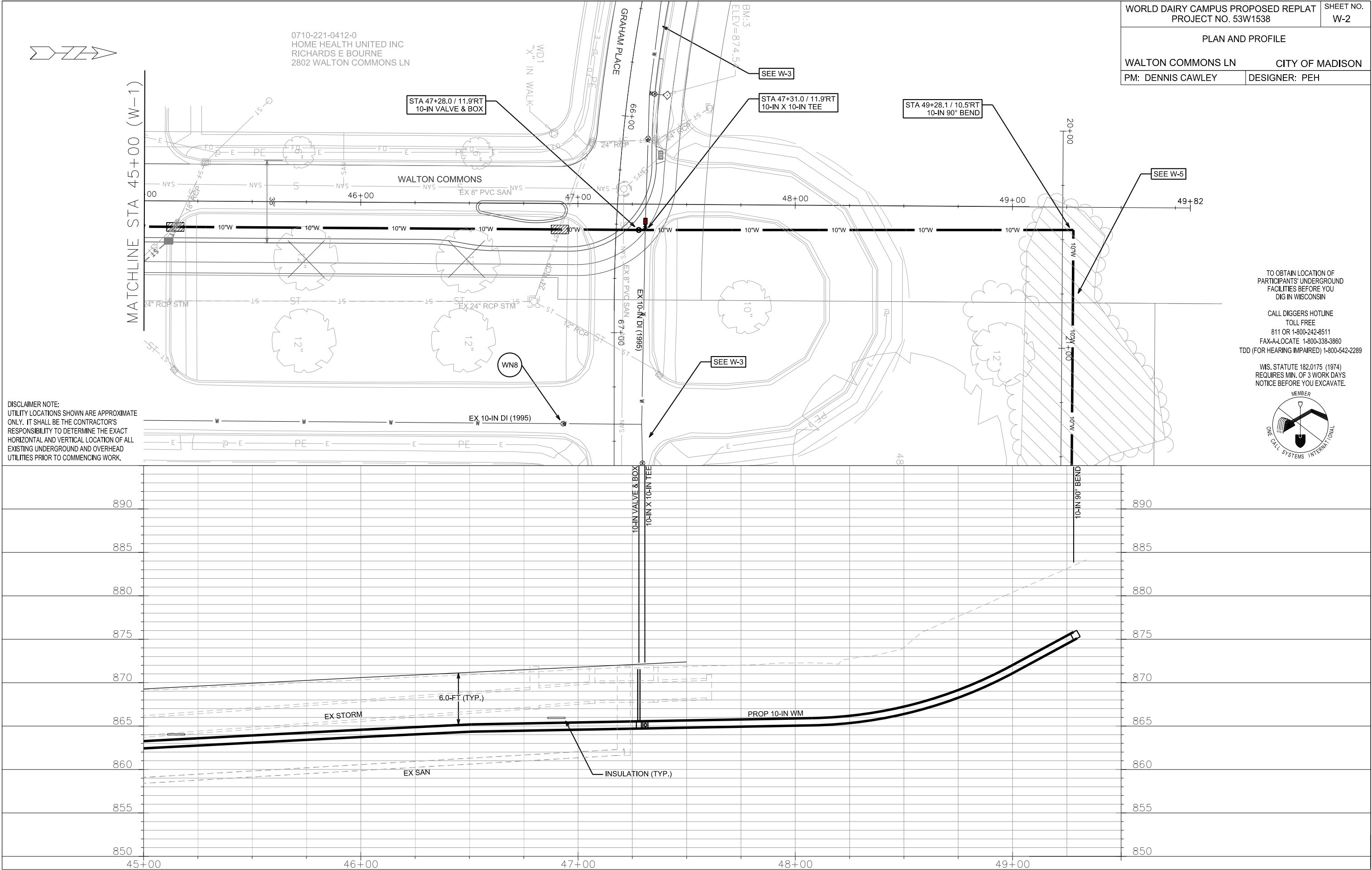


TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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

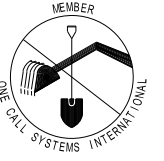
WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.

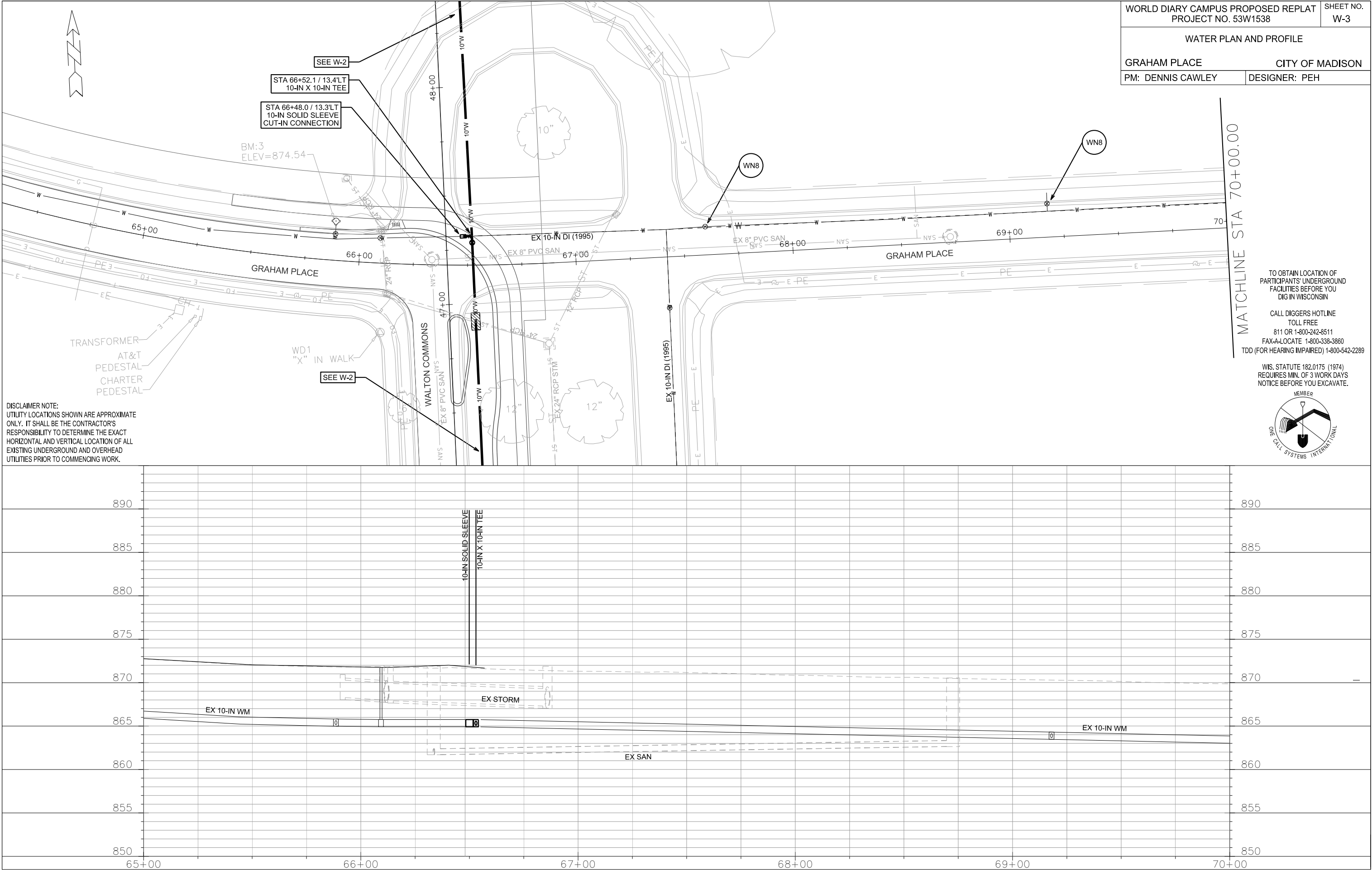


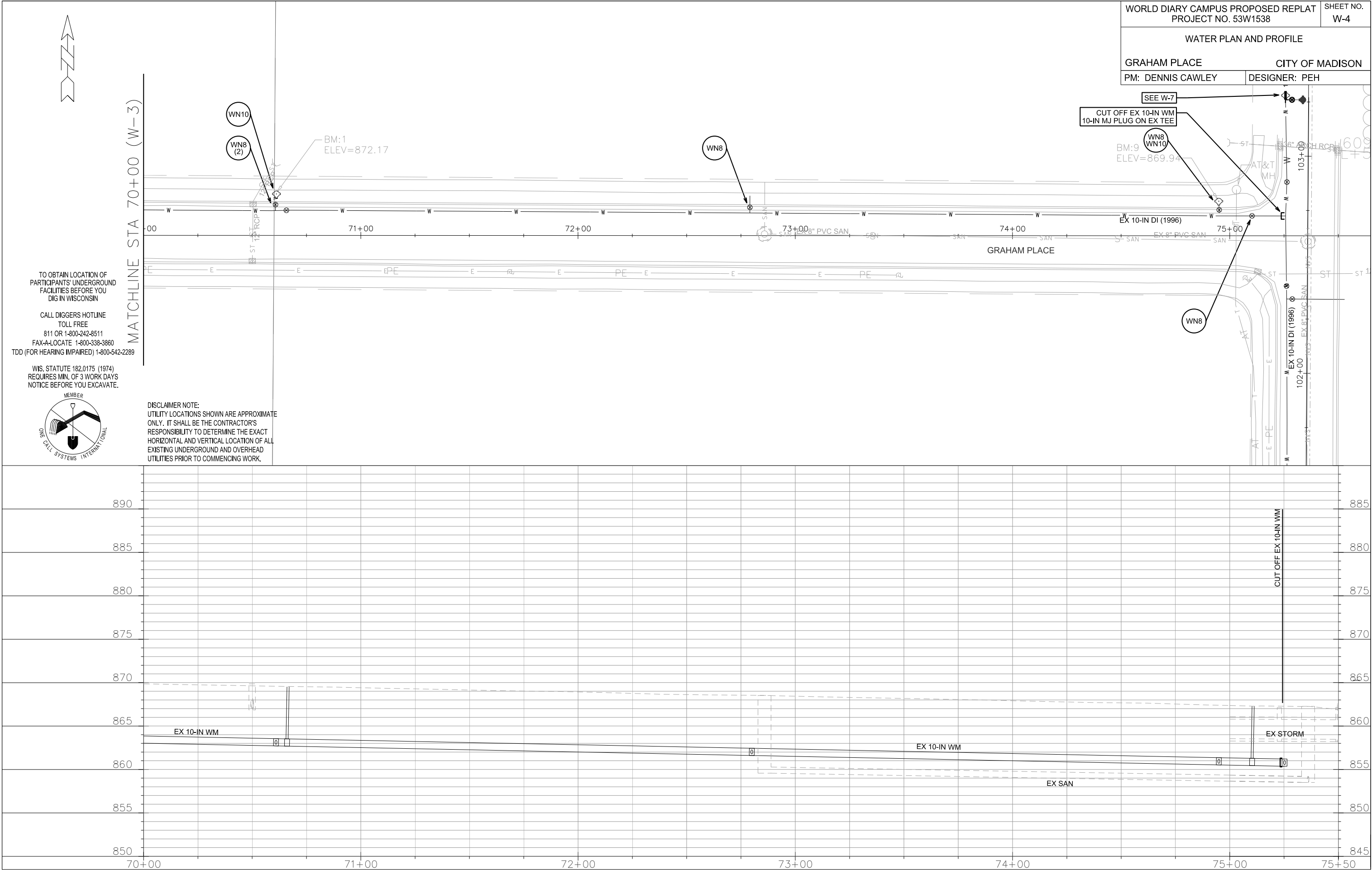


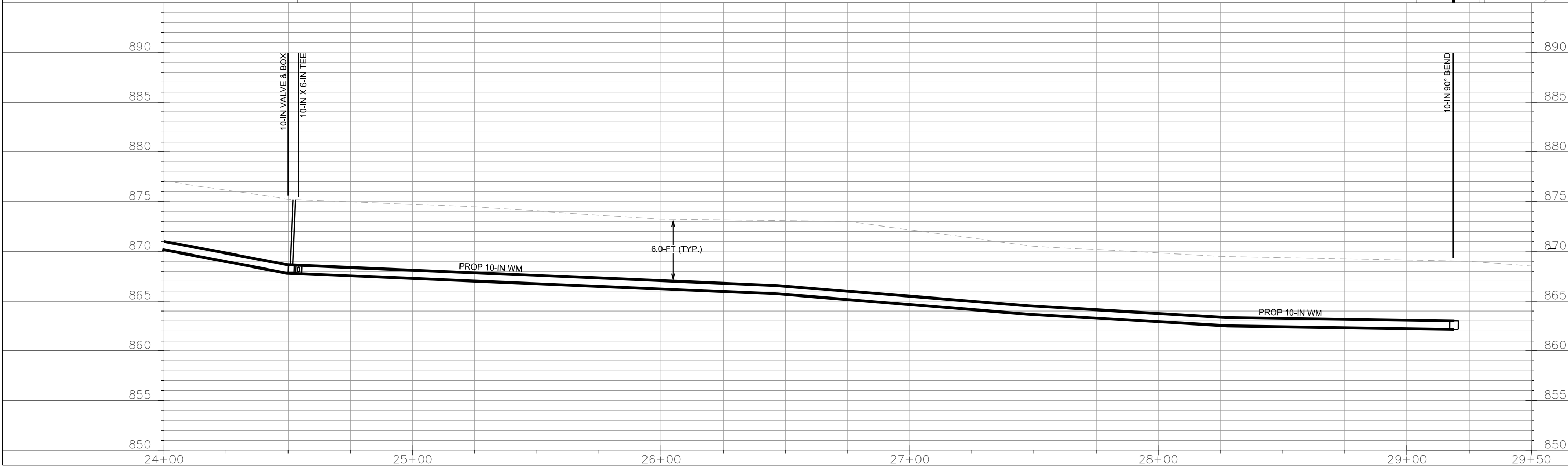
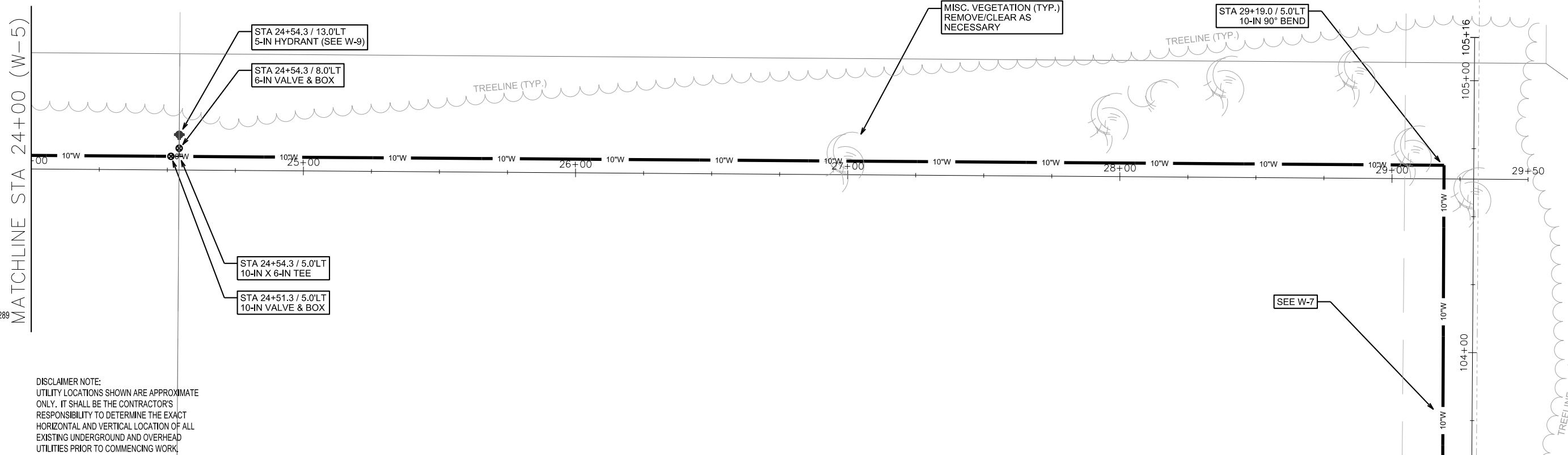
DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

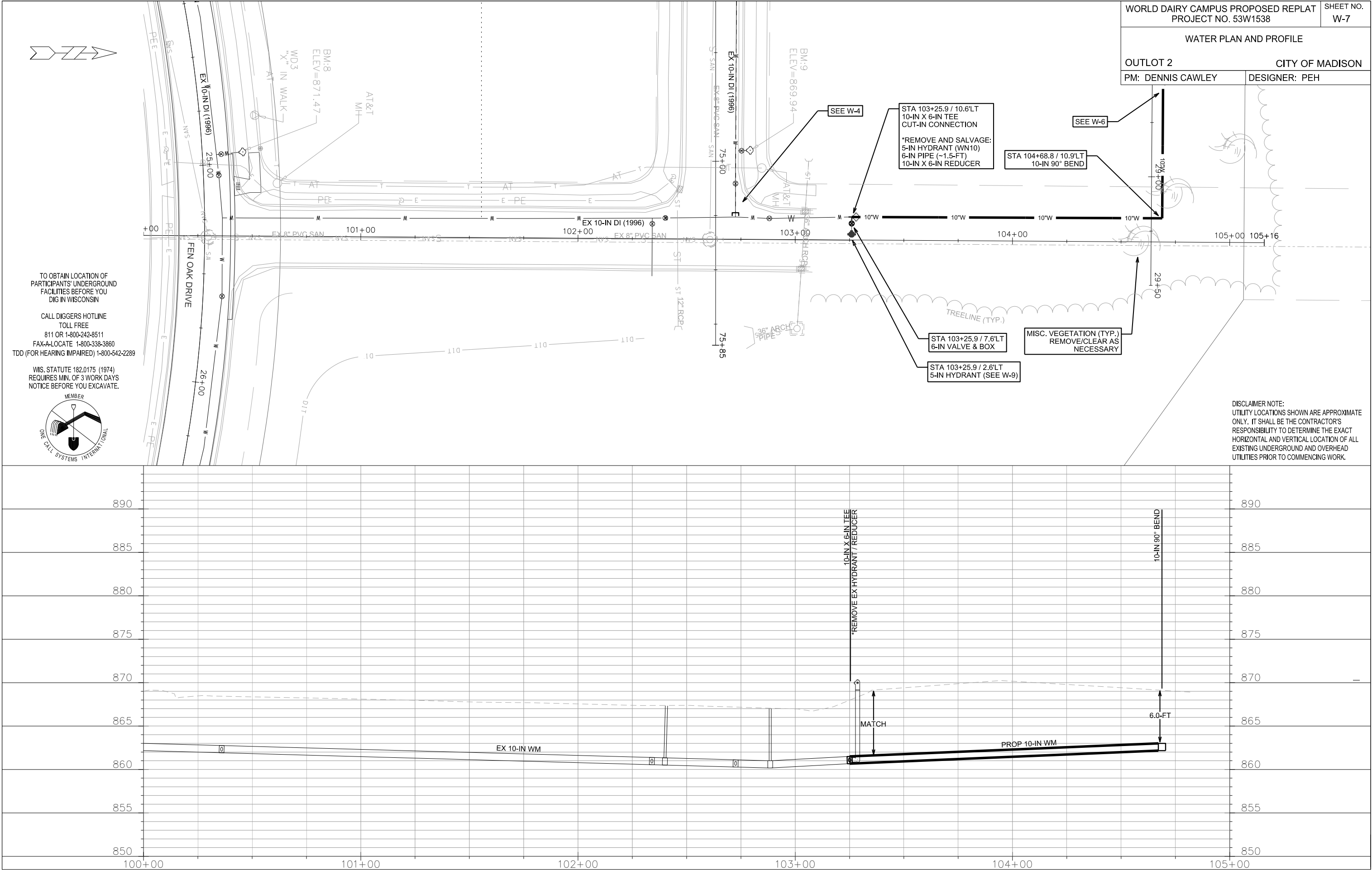
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
CALL DIGGERS HOTLINE
TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289
WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.

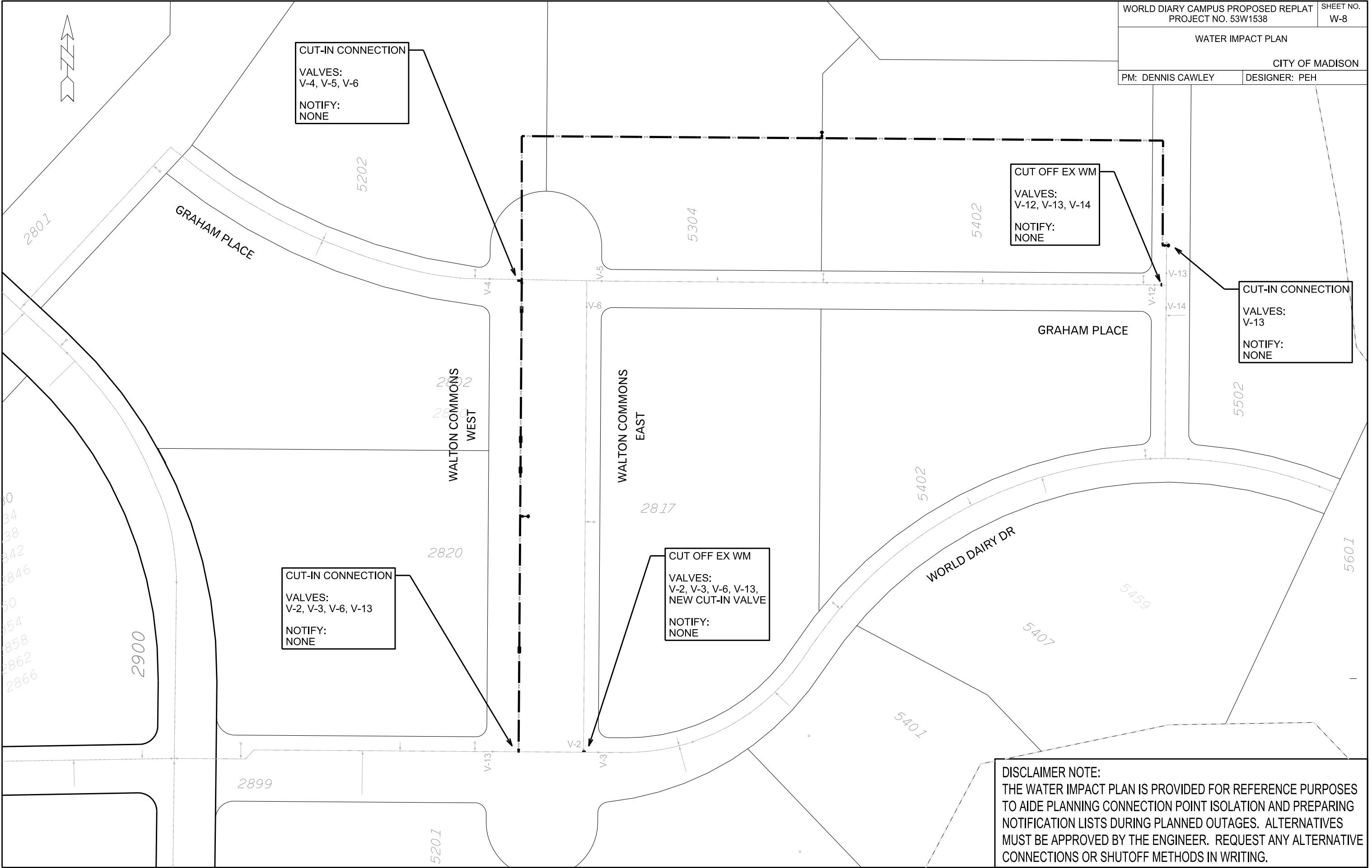












PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CONSTRUCTION NOTES:

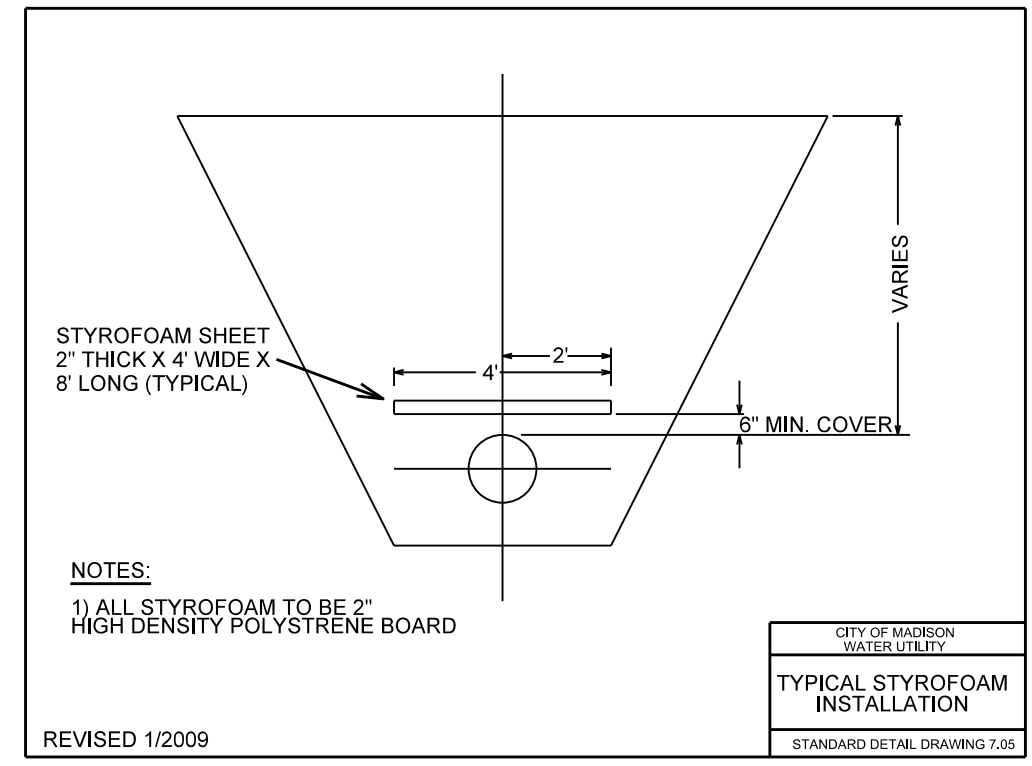
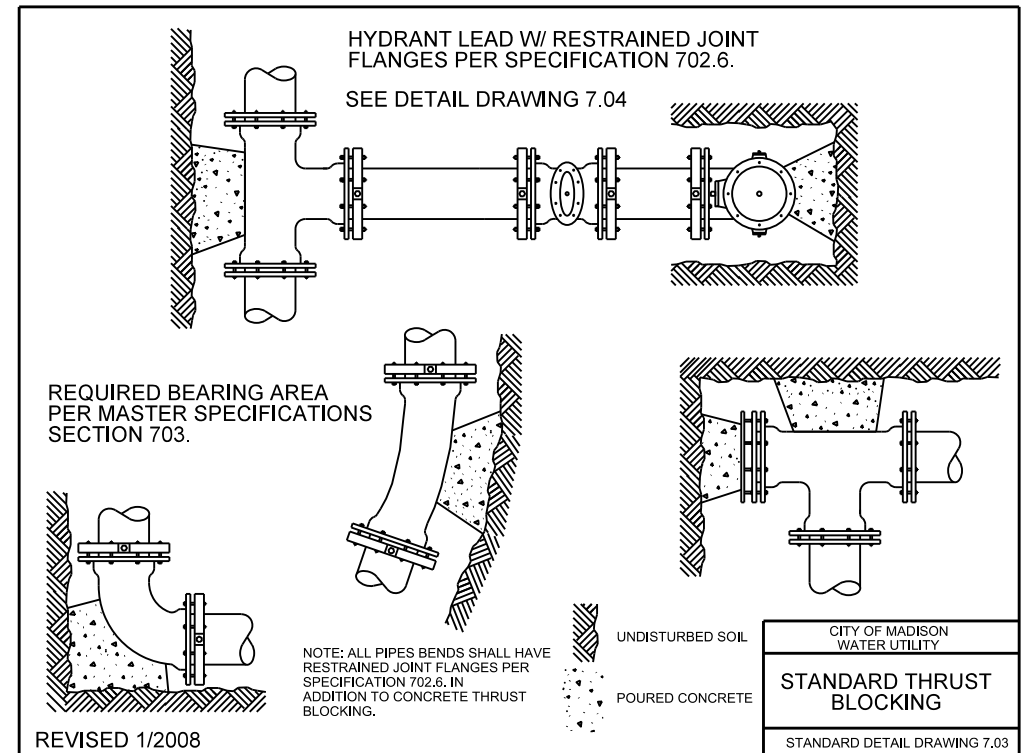
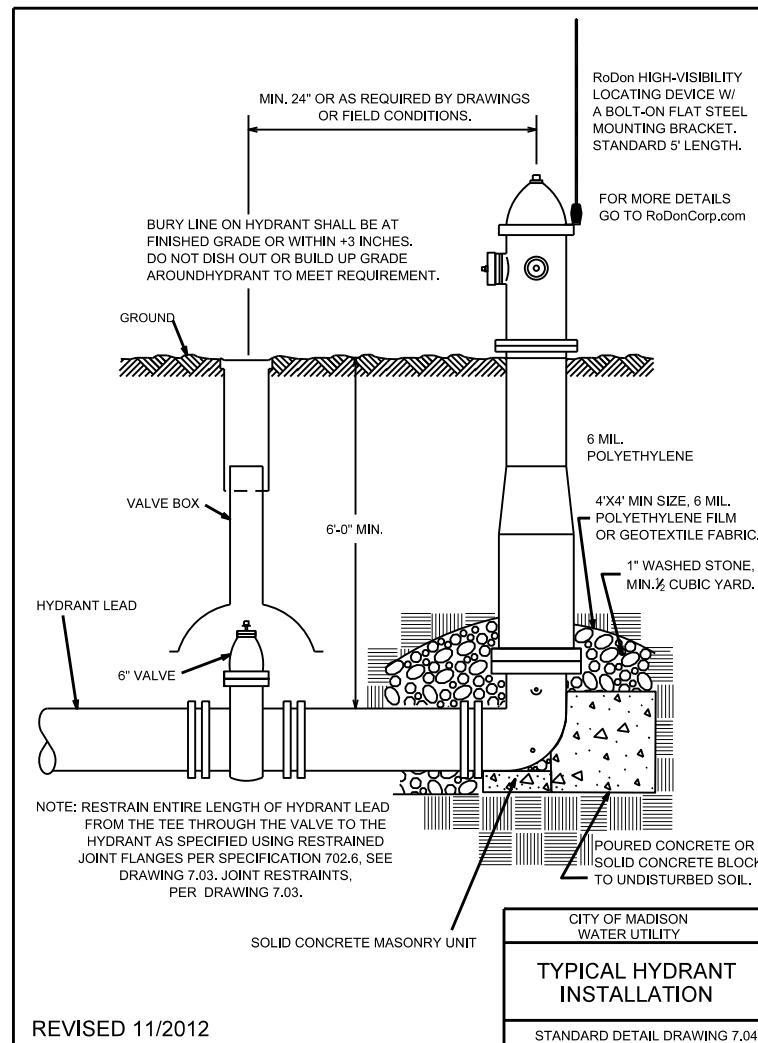
1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISTRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. EXISTING WATER MAIN SHALL REMAIN IN SERVICE UNTIL NEW WATER MAIN IS TESTED AND ACCEPTED BY MADISON WATER UTILITY AND ALL SERVICES ARE RECONNECTED.
5. THE EXISTING UTILITIES SHOWN ON THIS PLAN REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.

- WN1 - REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 - EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN (OR TO THE LARGER PARALLEL EXISTING MAIN).
- WN3 - EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN4 - DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN (OR TO THE LARGER PARALLEL EXISTING MAIN).
- WN5 - RELOCATE THE EXISTING FIRE HYDRANT.
- WN6 - ABANDON WATER VALVE ACCESS STRUCTURE.
- WN7 - FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN8 - ABANDON THE VALVE BOX.
- WN9 - FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN10 - REMOVE AND SALVAGE EXISTING HYDRANT
- WN11 - REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

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

- 40' - 6" PIPE
1,880' - 10" PIPE
2,120' - POLYWRAP
3 - 6" VALVE & BOX
3 - 10" VALVE & BOX
3 - 10"X6" TEE
1 - 10"X10" TEE
2 - 10" 90° BEND
1 - 10" SOLID SLEEVE
2 - 10" MJ PLUG
3 - 5" HYDRANT
3 - STYROFOAM INSULATION SHEETS



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

- 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 HANDHOLE LOCATIONS MARKED.
 2. A STREETLIGHT CONTROL CABINET BASE SHALL BE CONSIDERED A STREETLIGHT BASE FOR MEASUREMENT AND PAYMENT.
 3. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH "CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2013 EDITION" AND ALL ADDENDUMS THERETO.
ALL CONDUIT SHALL BE PVC, SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
 4. THE CONTRACTOR SHALL CALL MIKE CHRISTOPH (266-9031) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF BURYING CONDUIT TO ARRANGE FOR INSPECTION.
ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
 5. THE CONTRACTOR SHALL ARRANGE FOR PICK UP 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:
-TYPE I HANDHOLES - 1

6/7/13 KF

PROJ. NO. 53W1538	SHEET NO. E1
ELECTRICAL PLAN	
WORLD DAIRY DRIVE	CITY OF MADISON

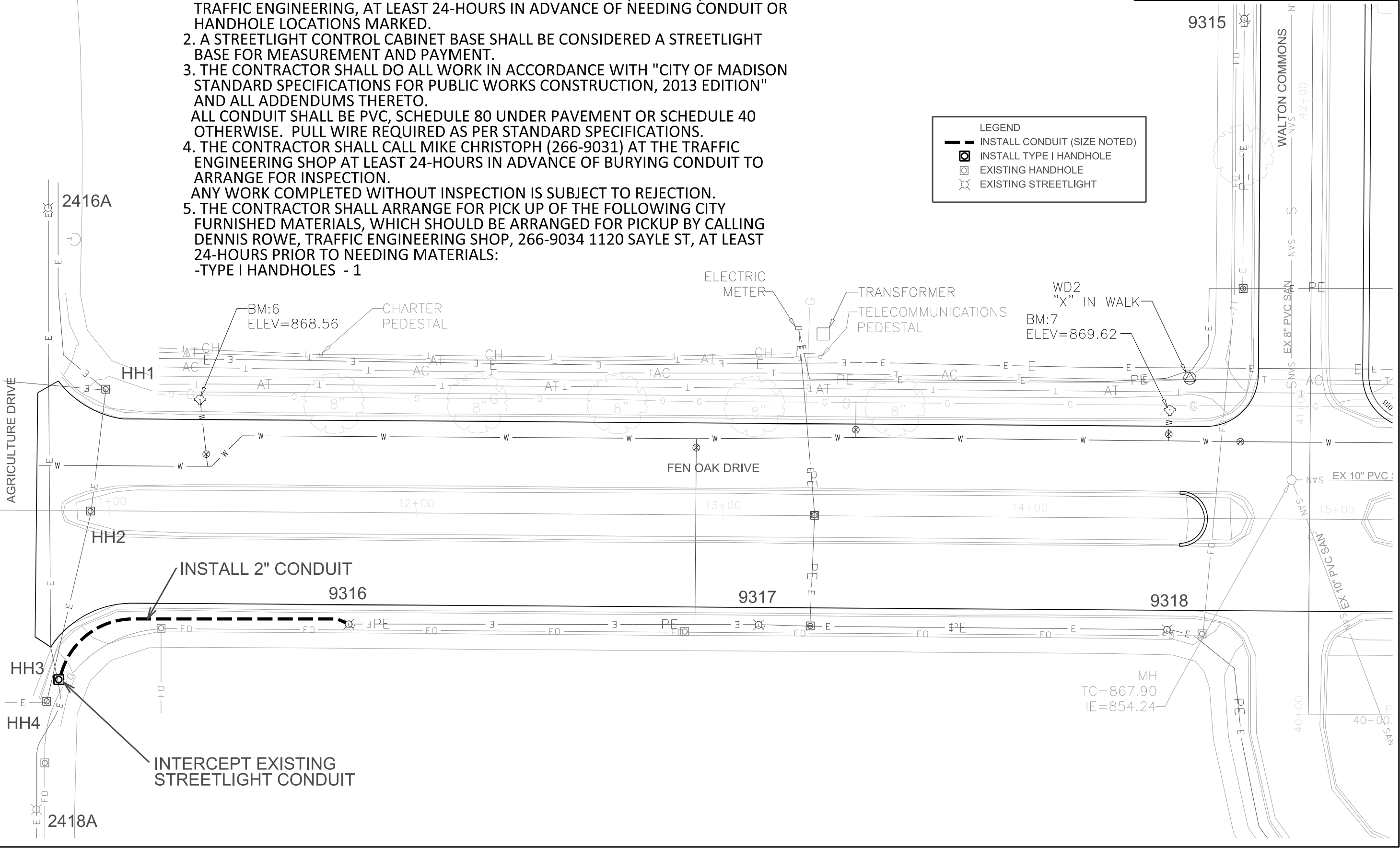
LEGEND

INSTALL CONDUIT (SIZE NOTED)

INSTALL TYPE I HANDHOLE

EXISTING HANDHOLE

EXISTING STREETLIGHT

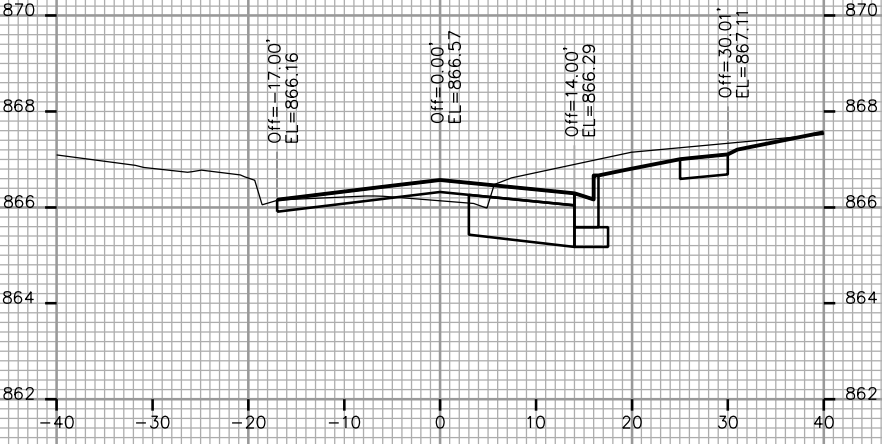
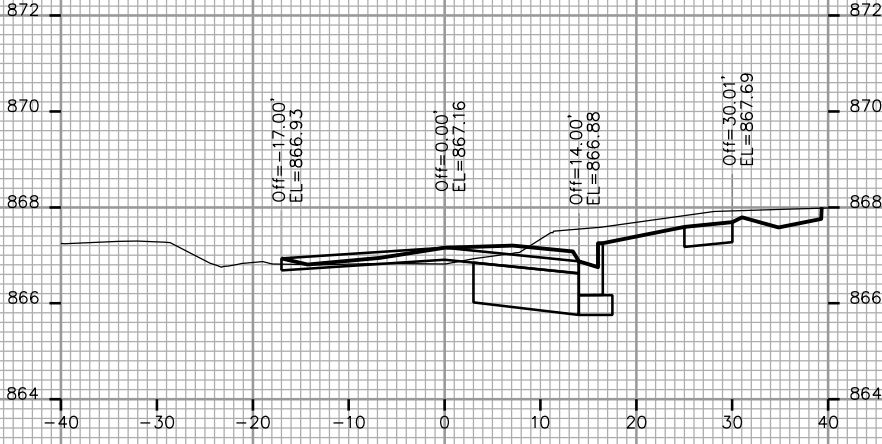
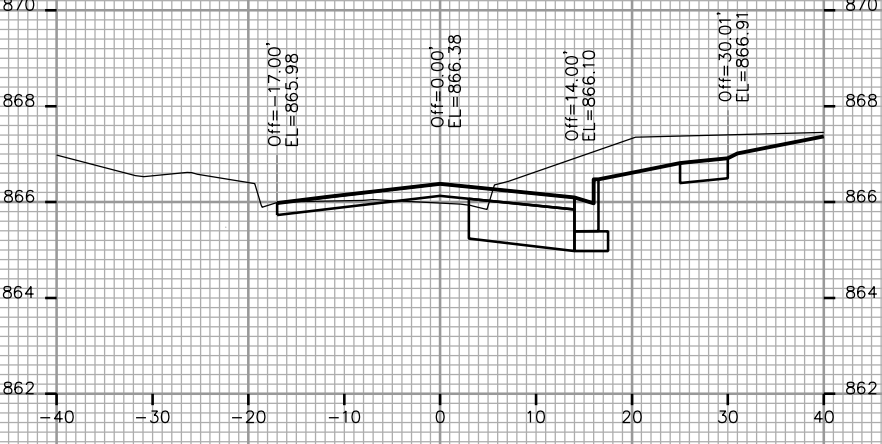
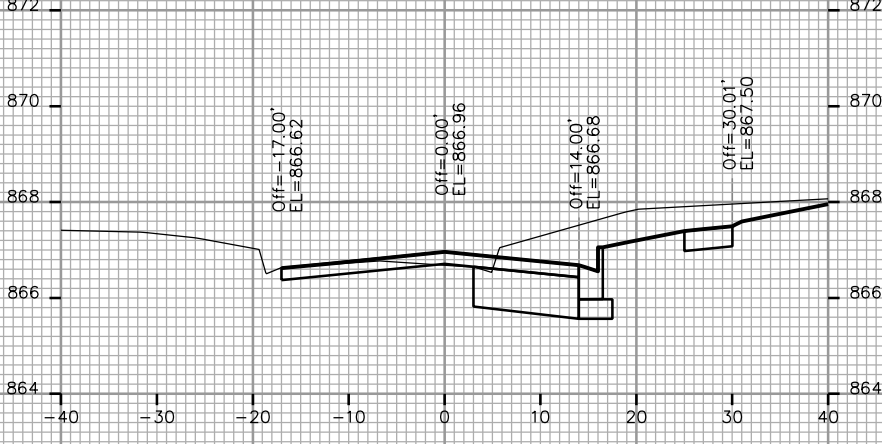
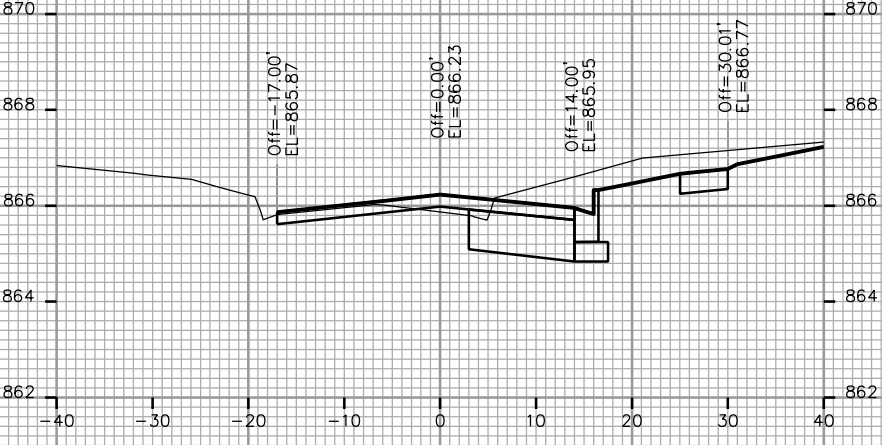
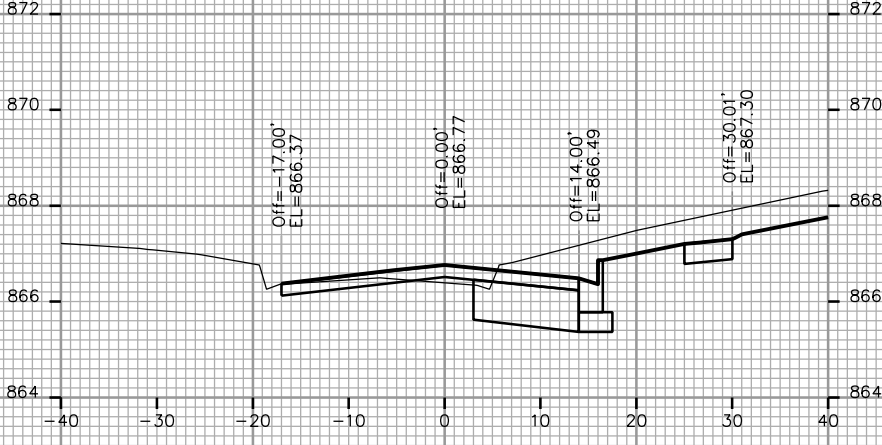


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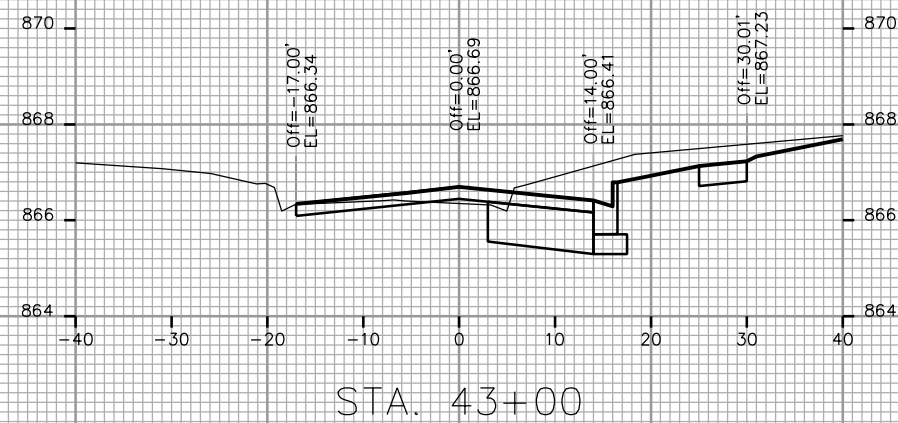
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CITY OF MADISON

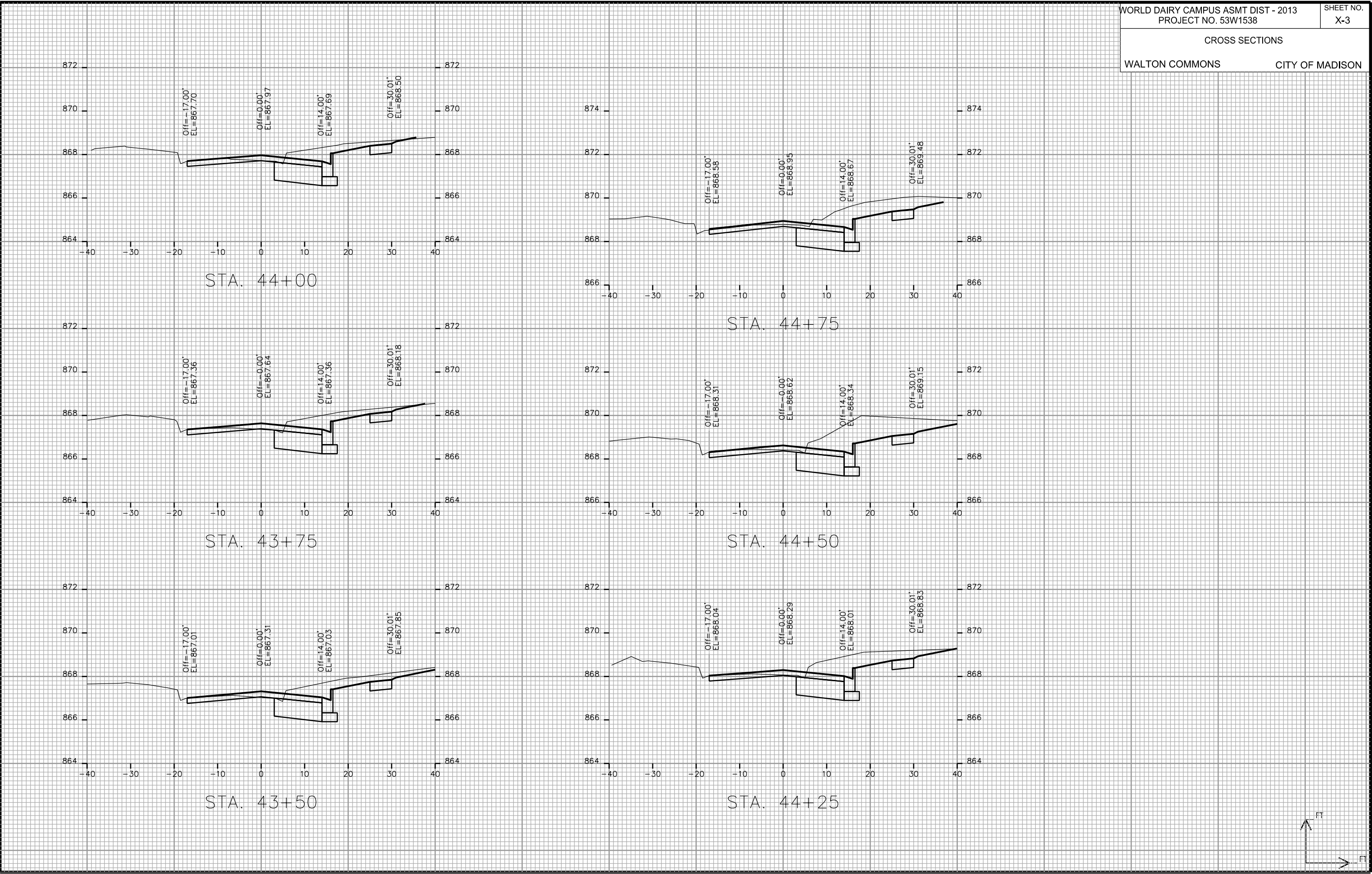


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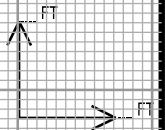
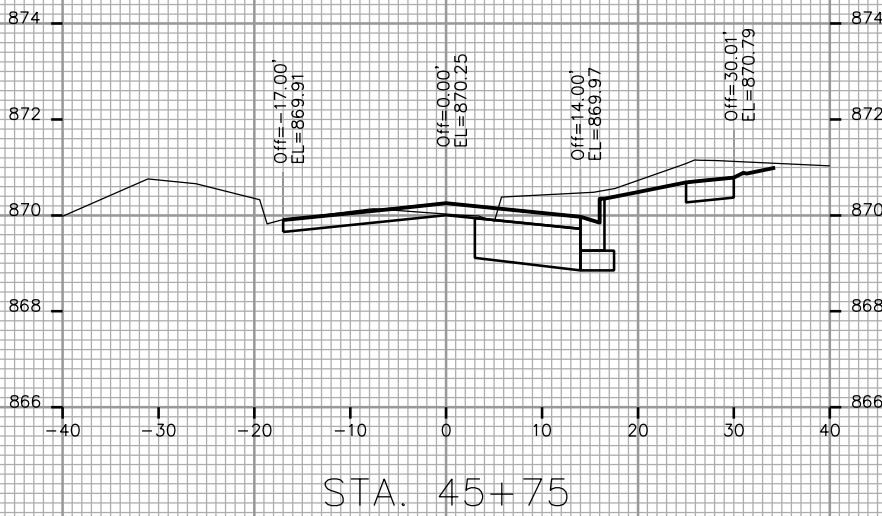
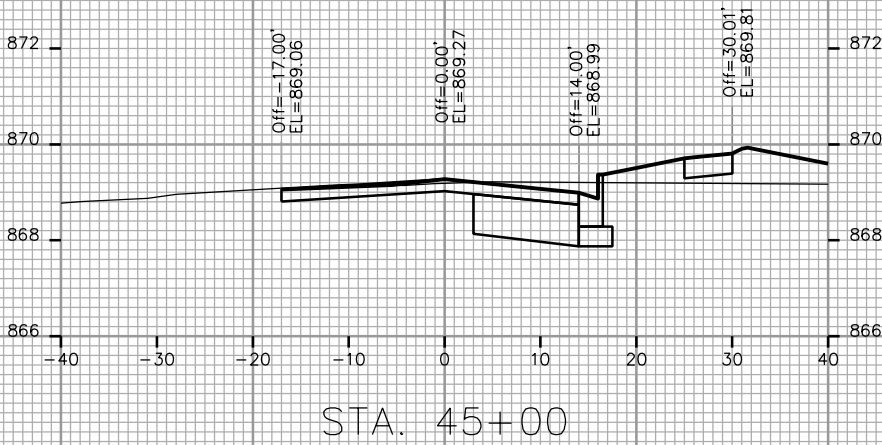
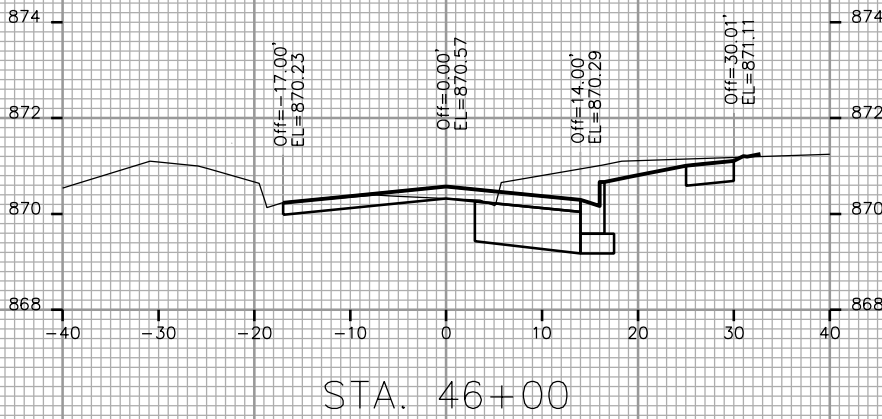
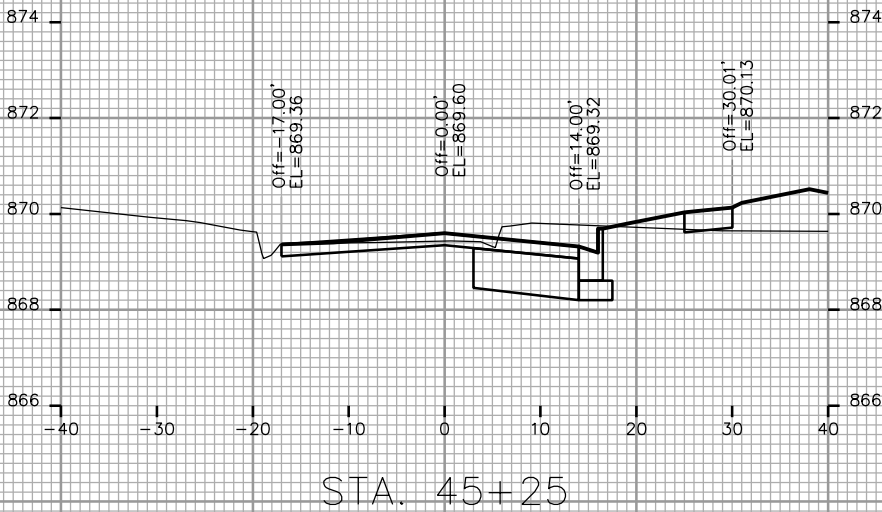
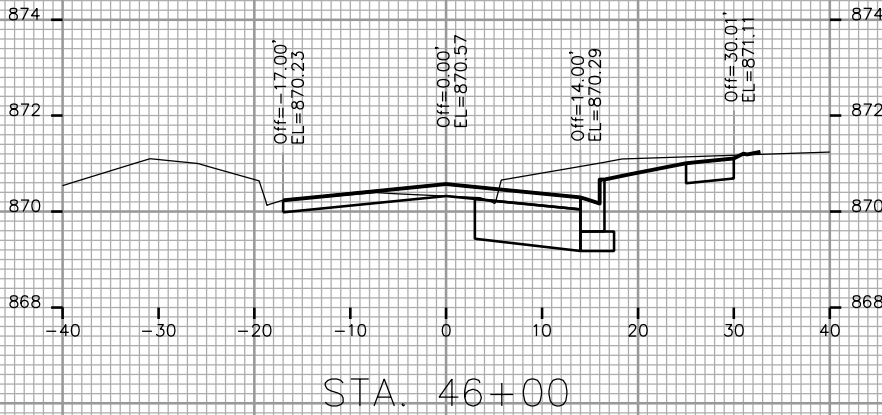
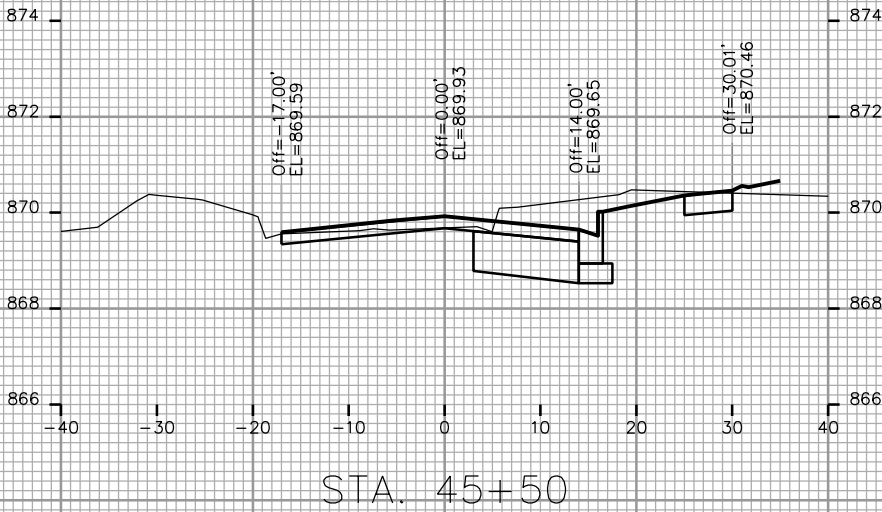


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