



Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

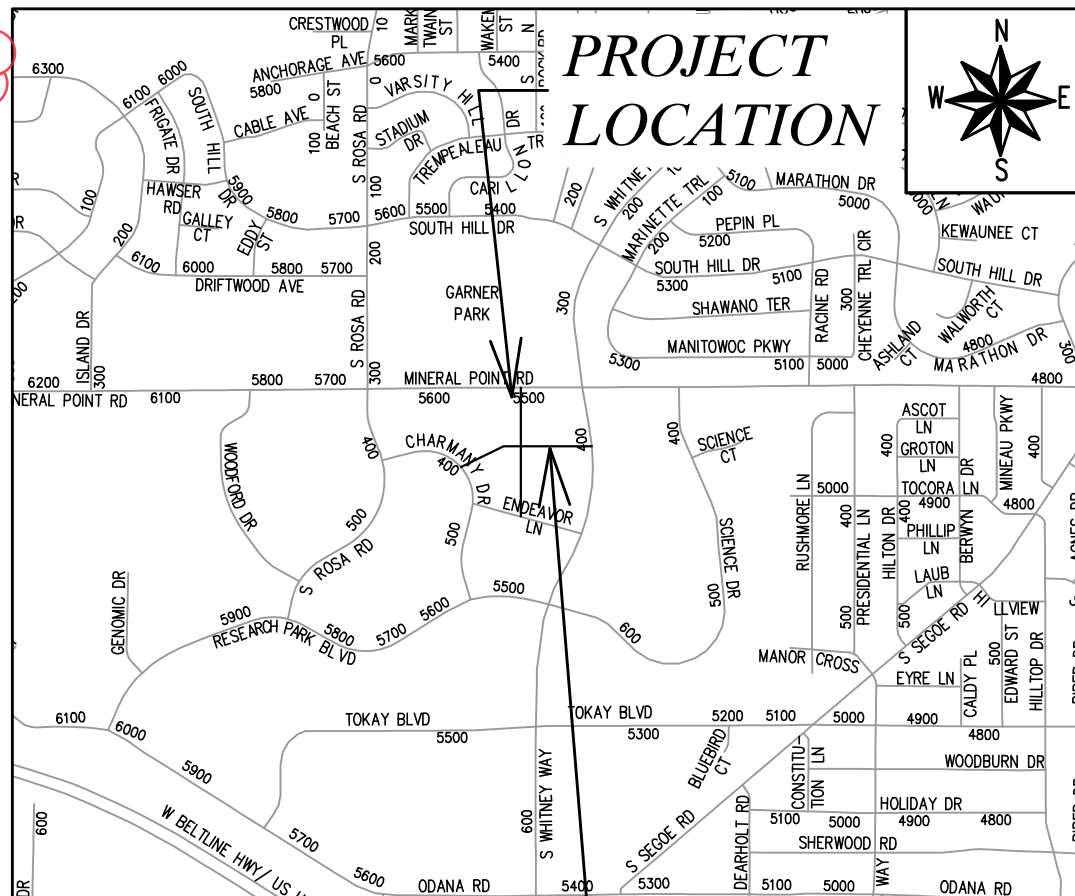
PLAN OF PROPOSED IMPROVEMENT

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SHEET NO.	X1-X10	ELEMENT DRIVE CROSS SECTIONS
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SHEET NO.	MA1	MAINTENANCE MAP (CITY USE ONLY)

REV 4 - 07/26/2023 - AJZ
- Revise/add private lighting plans

CITY PROJECT NO. 13355
CONTRACT NO. 9003



PROJECT
LOCATION

ELEMENT COLLECTIVE
STORMWATER MANAGEMENT
PLANS (SEE PROJECT NO. 13520,
CONTRACT NO. 9036)

PUBLIC IMPROVEMENT PROJECT
APPROVED

APPROVED DATE: April 19, 2021

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

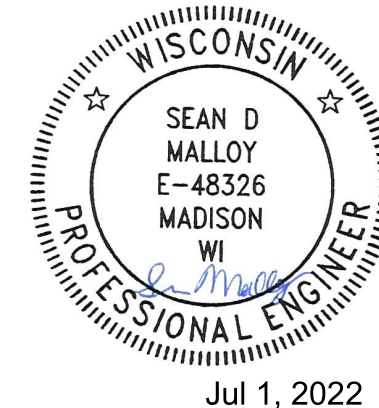
Greg Fries

Jul 1, 2022

City Engineer

Date

PAVEMENT MARKING
DESIGNED BY:



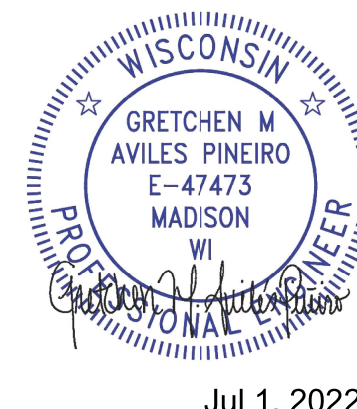
Jul 1, 2022

STREET
DESIGNED BY:



Jul 1, 2022

ELECTRICAL
DESIGNED BY:



Jul 1, 2022

SANITARY SEWER
DESIGNED BY:



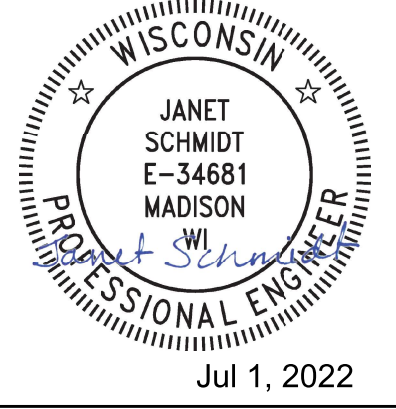
Jul 1, 2022

WATER
DESIGNED BY:



Jul 1, 2022

STORM SEWER
DESIGNED BY:



Jul 1, 2022

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 1.50%. 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%.

THE LOCATION AND INFORMATION FOR PROPOSED NEW TREES, IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY. THE LOCATIONS, SPECIFICATIONS AND PLANTING METHODS OF ALL PROPOSED NEW OR REPLACEMENT TREES IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE APPROVED BY THE CITY FORESTER PRIOR TO INSTALLATION.

NO TREES IN THE RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE TRIMMED, PRUNED, REMOVED OR ADVERSELY AFFECTED IN ANY WAY UNTIL THE DEVELOPER HAS RECEIVED WRITTEN PERMISSION FROM THE CITY ENGINEER OR CITY FORESTER. SAID WRITTEN PERMISSION SHALL INCLUDE LANGUAGE INDICATING THAT SECTION 10.101 OF THE MADISON GENERAL ORDINANCES AND ADMINISTRATIVE PROCEDURE MEMORANDUM NO. 6-2, REFERRING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

DEVELOPER MUST SUBMIT A TRAFFIC CONTROL PLAN TO CITY TRAFFIC ENGINEERING AT LEAST 14 DAYS PRIOR TO THE START OF WORK. WORK SHALL NOT PROCEED UNTIL AN APPROVED TRAFFIC CONTROL PLAN IS IN PLACE.

THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS RIGHT-OF-WAY PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.

ALL PROPOSED DRIVEWAY APRONS SHALL BE CONCRETE DRIVEWAY 7-INCH (CS-7).

ALL BUS PADS, SIDEWALK ADJACENT DRIVEWAYS, & CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH (CS-7).

ALL 6-FOOT SIDEWALK & CONCRETE TERRACE SHALL BE CONCRETE SIDEWALK 5-INCH (CS-5).

ALL 12-FOOT SIDEWALK SHALL BE CONCRETE SIDEWALK 7-INCH (CS-7) & CONTROL JOINTS NEED TO BE SAWCUT AND NOT TOOLED.

WHERE CURB & GUTTER AND CONCRETE TERRACE OR CONCRETE DRIVEWAYS JOIN, AN EXPANSION JOINT 1-INCH IN WIDTH MUST BE CONSTRUCTED BETWEEN THE CURB AND CONCRETE.

WHERE CONCRETE SIDEWALK AND CONCRETE TERRACE OR CONCRETE DRIVEWAYS JOIN, AN EXPANSION JOINT 1/2-INCH IN WIDTH MUST BE CONSTRUCTED BETWEEN THE SIDEWALK AND CONCRETE.

3-INCHES OF COMPACTED CRUSHED AGGREGATE BASE COURSE SHALL BE PLACED UNDER SIDEWALK WHEN THE CENTERLINE GRADE OF THE STREET EXCEEDS 5%.

ALL PAVEMENT IN THE ELEMENT WAY AND CATALYST WAY TABLE TOP INTERSECTION SHALL BE TYPE A PAVEMENT OR 9" CONCRETE PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE WHITNEY WAY AND MINERAL POINT ROAD RIGHTS-OF-WAY SHALL BE TYPE C PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT ON ENDEAVOR LANE RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

UNDERDRAINS SHALL BE INSTALLED PER STANDARD DETAIL DRAWING 4.05 FOR 75' ON EACH SIDE OF THE LOW POINT, OR TO THE NEAREST CURB HIGH POINT. ALL UNDERDRAIN SHALL BE WRAPPED.

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADE OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL TYPICALLY BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.04. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALL NOT EXCEED 5.0 % OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER NOR BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4:1. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.

OBTAIN A PRINT OUT OF THE ALIGNMENTS FROM THE CITY PROJECT ENGINEER PRIOR TO STAKING THIS PROJECT.

CURB STATION AND OFFSETS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED.

POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK.

THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

ALL WORK IN THE RIGHT OF WAY AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

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UNIVERSITY REASEARCH PARK - ELEMENT COLLECTIVE



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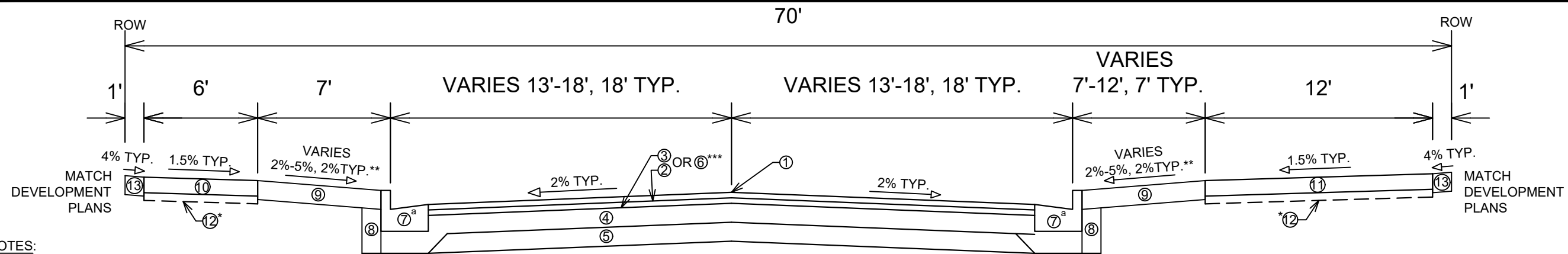
GENERAL NOTES

MADISON, WI

CONTRACT NO: 9003

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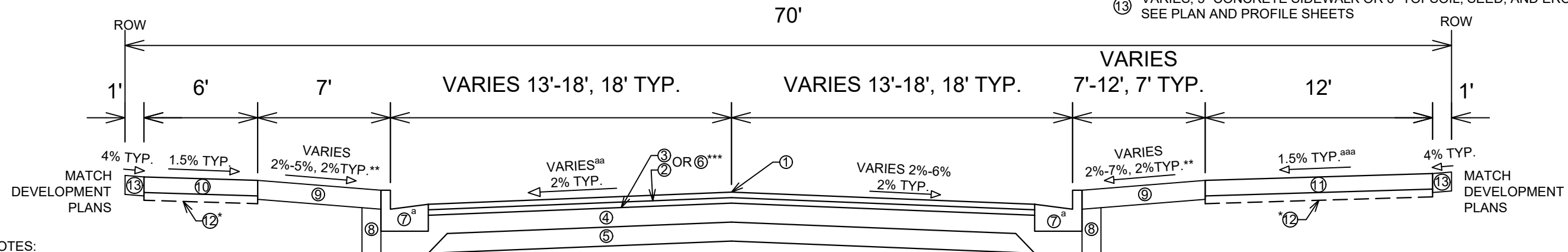
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MARK	REVISION	DATE	NTS	BY
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SPECIAL NOTES:

- TYPICAL SECTION NOT TO SCALE
- SEE X-SHEETS FOR CROSS SLOPES, EDGE OF PAVEMENT ELEVATIONS, & TOP OF CURB ELEVATIONS
- THE DEVELOPER IS RESPONSIBLE FOR ALL ASPHALT STREET SURFACE PAVING PER CONTRACT 9037
- *3" OF COMPACTED CRUSHED AGGREGATE BASE COURSE SHALL BE PLACED UNDER SIDEWALK WHEN THE CENTERLINE GRADE OF THE STREET EXCEED 5%
- **2% IN CONCRETE AND PAVER AREAS OF THE TERRACE
- ***9" CONCRETE PAVEMENT OVER 6.5" GRADATION 2 CRUSHED AGGREGATE BASE COURSE STA 107+57.62 TO STA 108+65.62
- *MOUNTABLE CONCRETE CURB & GUTTER TYPE 'A' STA 107+57.62 TO STA 108+65.62

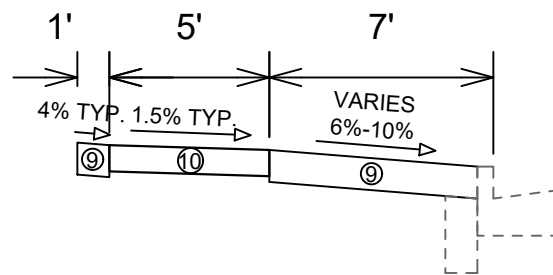
- ① POINT REFERRED TO ON PROFILE
- ② 1.75" HMA PAVEMENT, TYPE 4 LT 58-28 S (UPPER LAYER)
- ③ 1.75" HMA PAVEMENT, TYPE 4 LT 58-28 S (LOWER LAYER)
- ④ 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE (UPPER LAYER)
- ⑤ 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE (LOWER LAYER)
- ⑥ 9" CONCRETE PAVEMENT, SEE PLAN AND PROFILE SHEETS
- ⑦ CONCRETE CURB & GUTTER TYPE 'A' OR MOUNTABLE CONCRETE CURB & GUTTER TYPE 'A', SEE PLAN AND PROFILE SHEETS
- ⑧ FILL INCIDENTAL TO CURB & GUTTER INSTALLATION
- ⑨ RESTORE DISTURBED AREAS W/ 6" TOPSOIL, SEED, AND EROSION MATTING
- ⑩ 5" CONCRETE SIDEWALK
- ⑪ 7" CONCRETE SIDEWALK
- ⑫ 2" SELECT FILL (TO BE USED WHEN SIDEWALK IS IN A FILL CONDITION)
- ⑬ VARIES, 5" CONCRETE SIDEWALK OR 6" TOPSOIL, SEED, AND EROSION MATTING, SEE PLAN AND PROFILE SHEETS



SPECIAL NOTES:

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- **2% IN CONCRETE AND PAVER AREAS OF THE TERRACE
- ***9" CONCRETE PAVEMENT OVER 6.5" GRADATION 2 CRUSHED AGGREGATE BASE COURSE STA 208+25.79 TO STA 209+33.79
- *MOUNTABLE CONCRETE CURB AND GUTTER TYPE 'A' STA 208+25.79 TO STA 209+33.79
- ^{aa}SUPER-ELEVATED LANE STA 209+75.00 TO STA 211+39.72
- ^{aaa}1% CROSS SLOPE FROM STA 210+81.56 TO STA 211+23.35 RT

- ① POINT REFERRED TO ON PROFILE
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- ⑥ 9" CONCRETE PAVEMENT, SEE PLAN AND PROFILE SHEETS
- ⑦ CONCRETE CURB & GUTTER TYPE 'A' OR MOUNTABLE CONCRETE CURB & GUTTER TYPE 'A', SEE PLAN AND PROFILE SHEETS
- ⑧ FILL INCIDENTAL TO CURB & GUTTER INSTALLATION
- ⑨ RESTORE DISTURBED AREAS W/ 6" TOPSOIL, SEED, AND EROSION MATTING
- ⑩ 5" CONCRETE SIDEWALK
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- ⑫ 2" SELECT FILL (TO BE USED WHEN SIDEWALK IS IN A FILL CONDITION)
- ⑬ *VARIES, 5" CONCRETE SIDEWALK OR 6" TOPSOIL, SEED, AND EROSION MATTING, SEE PLAN AND PROFILE SHEETS



- ⑨ RESTORE DISTURBED AREAS W/ 6" TOPSOIL, SEED, AND EROSION MATTING
- ⑩ 5" CONCRETE SIDEWALK

TYPICAL SECTION
WHITNEY WAY SIDEWALK
STA 300+55.65 TO STA 302+55.90

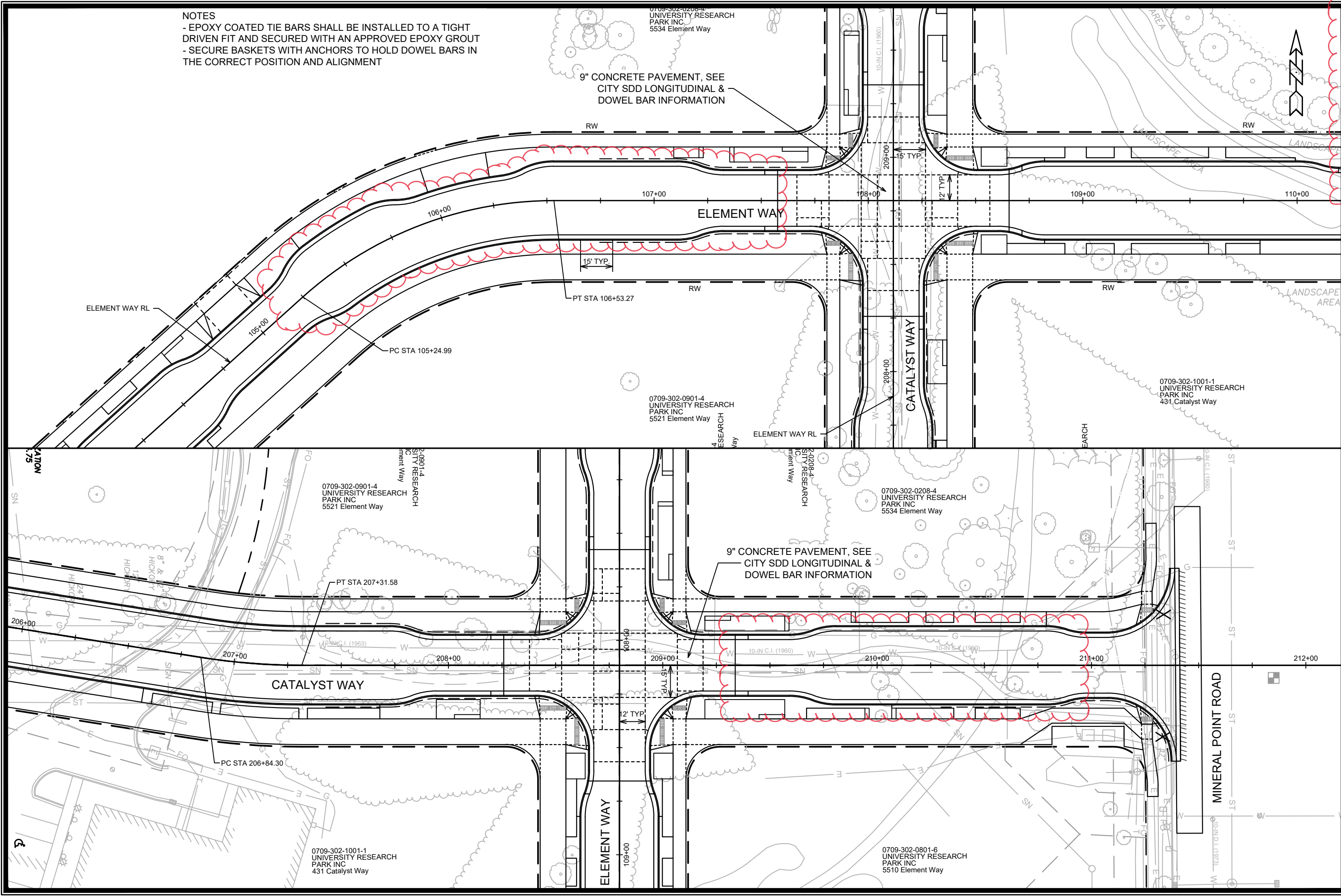
SPECIAL NOTES:

- TYPICAL SECTION NOT TO SCALE
- SEE X-SHEETS FOR SIDEWALK ELEVATIONS

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13355	MADISON, WI	9003	CONTRACT NO.
TYPICAL SECTIONS	UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE	M:\DESIGN\Projects\13355\CAD\Streets\13355EN-Typicals.dwg	





NOTES
- EPOXY COATED TIE BARS SHALL BE INSTALLED TO A TIGHT DRIVEN FIT AND SECURED WITH AN APPROVED EPOXY GROUT
- SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT

9" CONCRETE PAVEMENT, SEE CITY SDD LONGITUDINAL & DOWEL BAR INFORMATION

9" CONCRETE PAVEMENT, SEE CITY SDD LONGITUDINAL & DOWEL BAR INFORMATION

CONCRETE JOINTING PLAN

UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE



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D-3

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MADISON, WI

CONTRACT NO: 9003

REV4

REVISE CONC. PAVT. LOCATION

7/28/23

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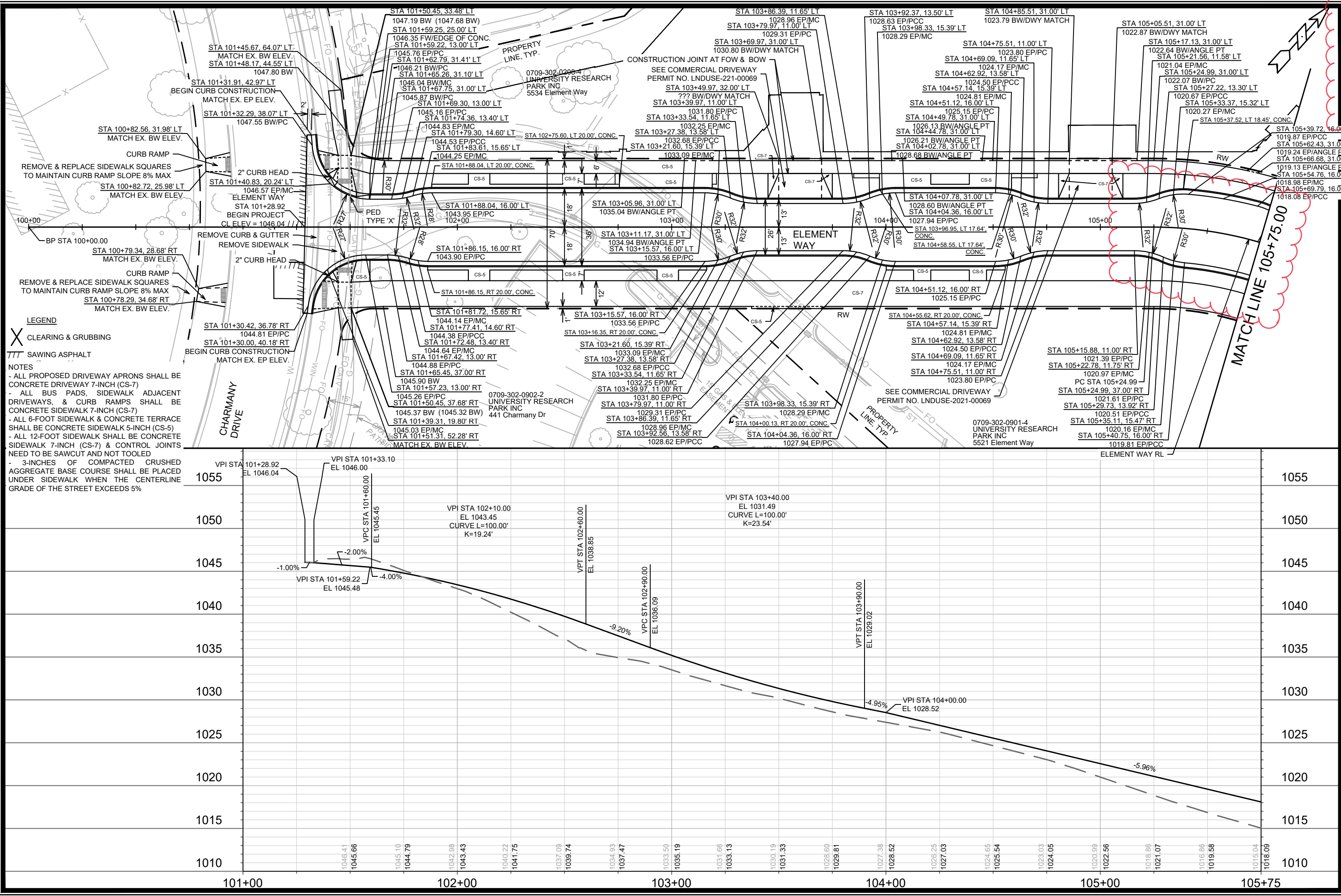
BY

Designed By: AJZ

Date: 7/6/2023 10:14 AM

Scale: 1" = 40'

D-3



LEGEND

X CLEARING & GRUBBING

/// SAWING ASPHALT

NOTES

- ALL PROPOSED DRIVEWAY APRONS SHALL BE CONCRETE DRIVEWAY 7-INCH (CS-7)
- ALL BUS PADS, SIDEWALK ADJACENT DRIVEWAYS, & CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH (CS-7)
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- 3-INCHES OF COMPACTED CRUSHED AGGREGATE BASE COURSE SHALL BE PLACED UNDER SIDEWALK WHEN THE CENTERLINE GRADE OF THE STREET EXCEEDS 5%

13355		MADISON, WI		9003	
ELEMENT WAY PLAN & PROFILE		UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE		CONTRACT NO.:	
13355				P-1	

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Scale: 1" = 40'

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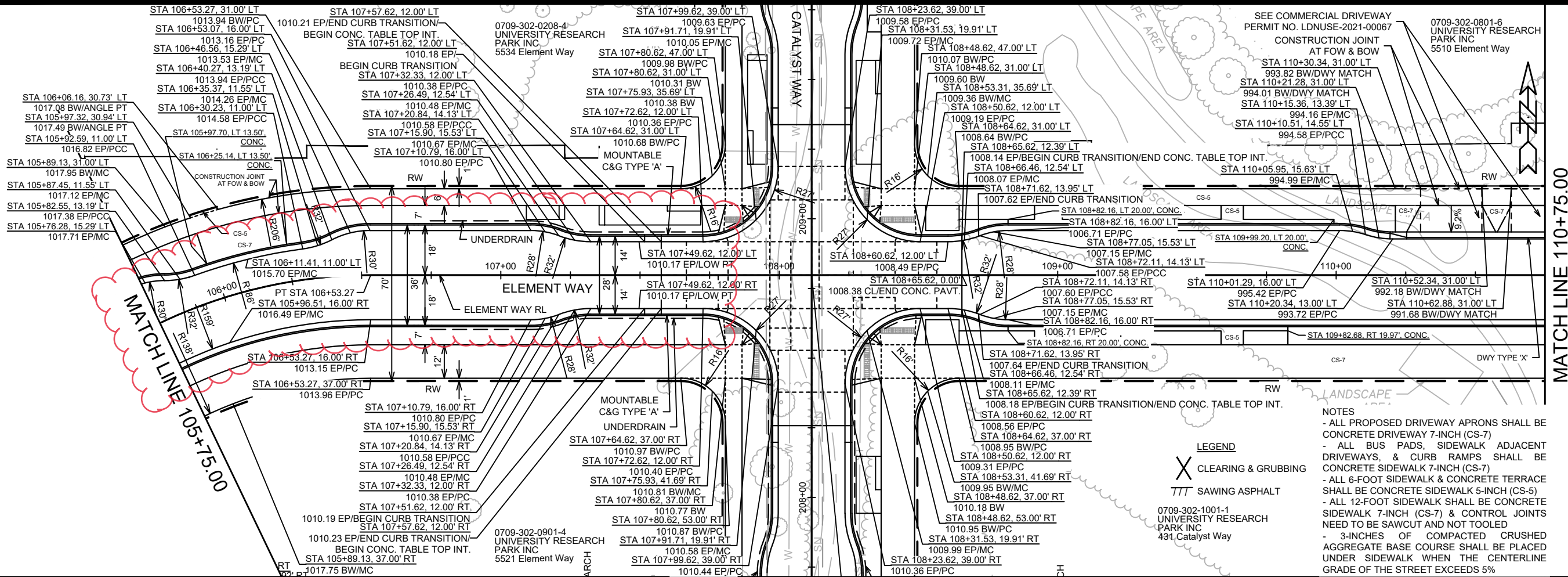
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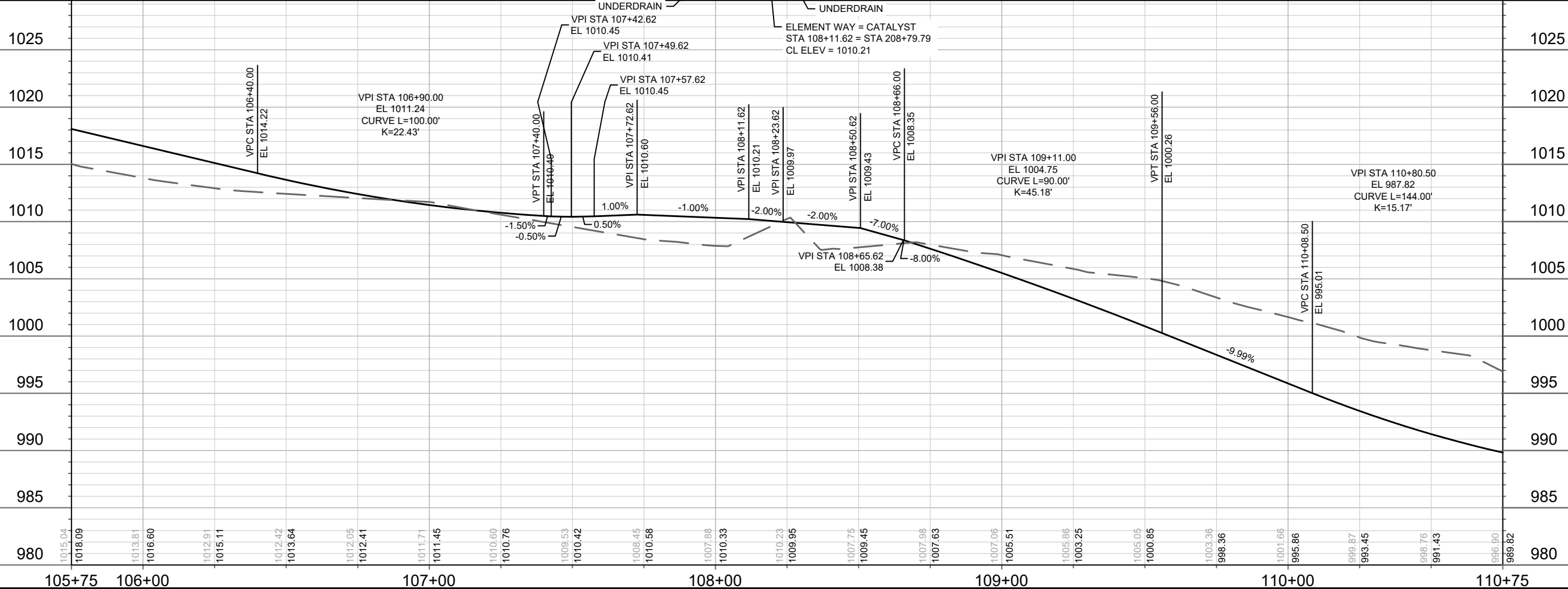
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X CLEARING & GRUBBING

/// SAWING ASPHALT

NOTES

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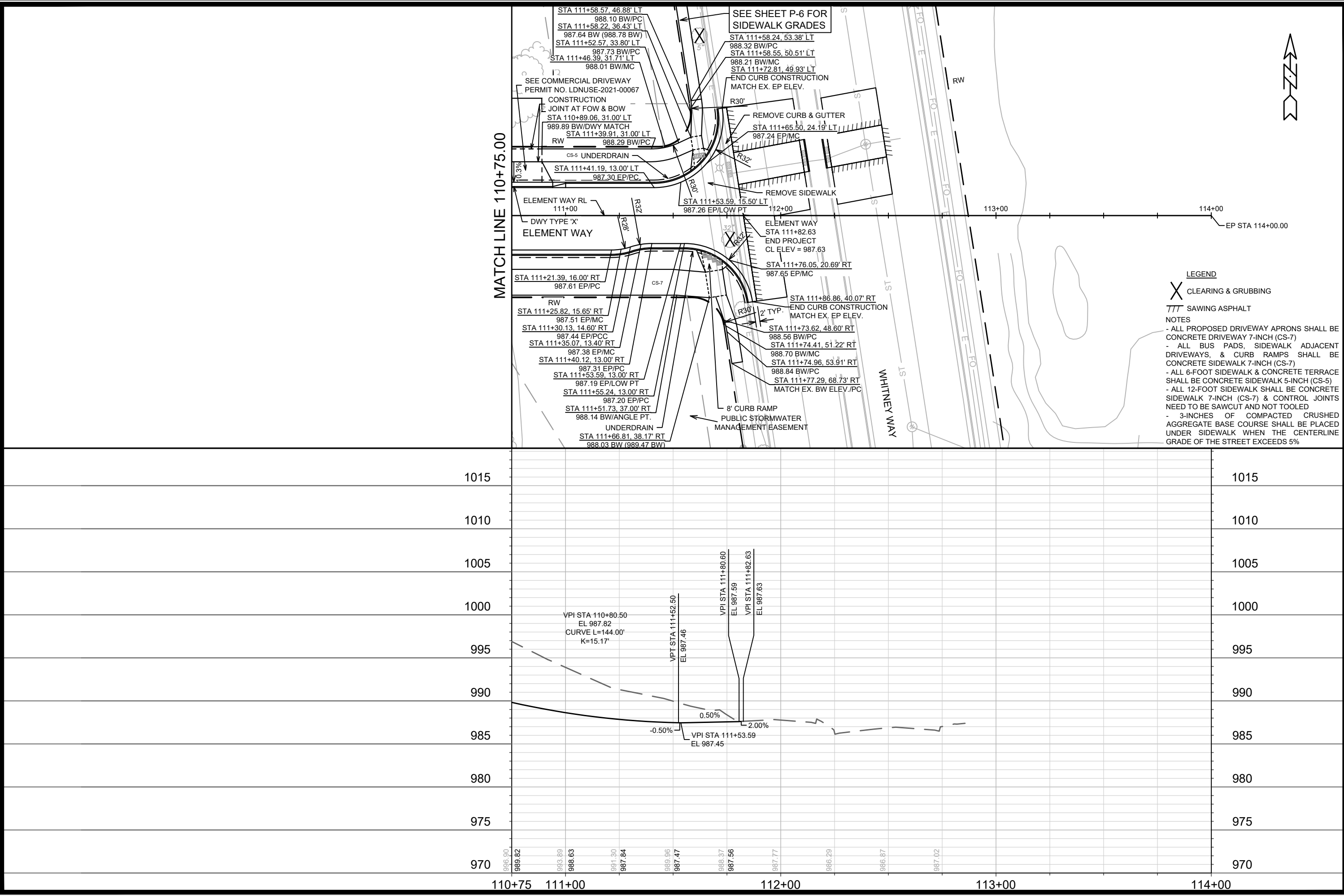
ELEMENT WAY PLAN & PROFILE

UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE

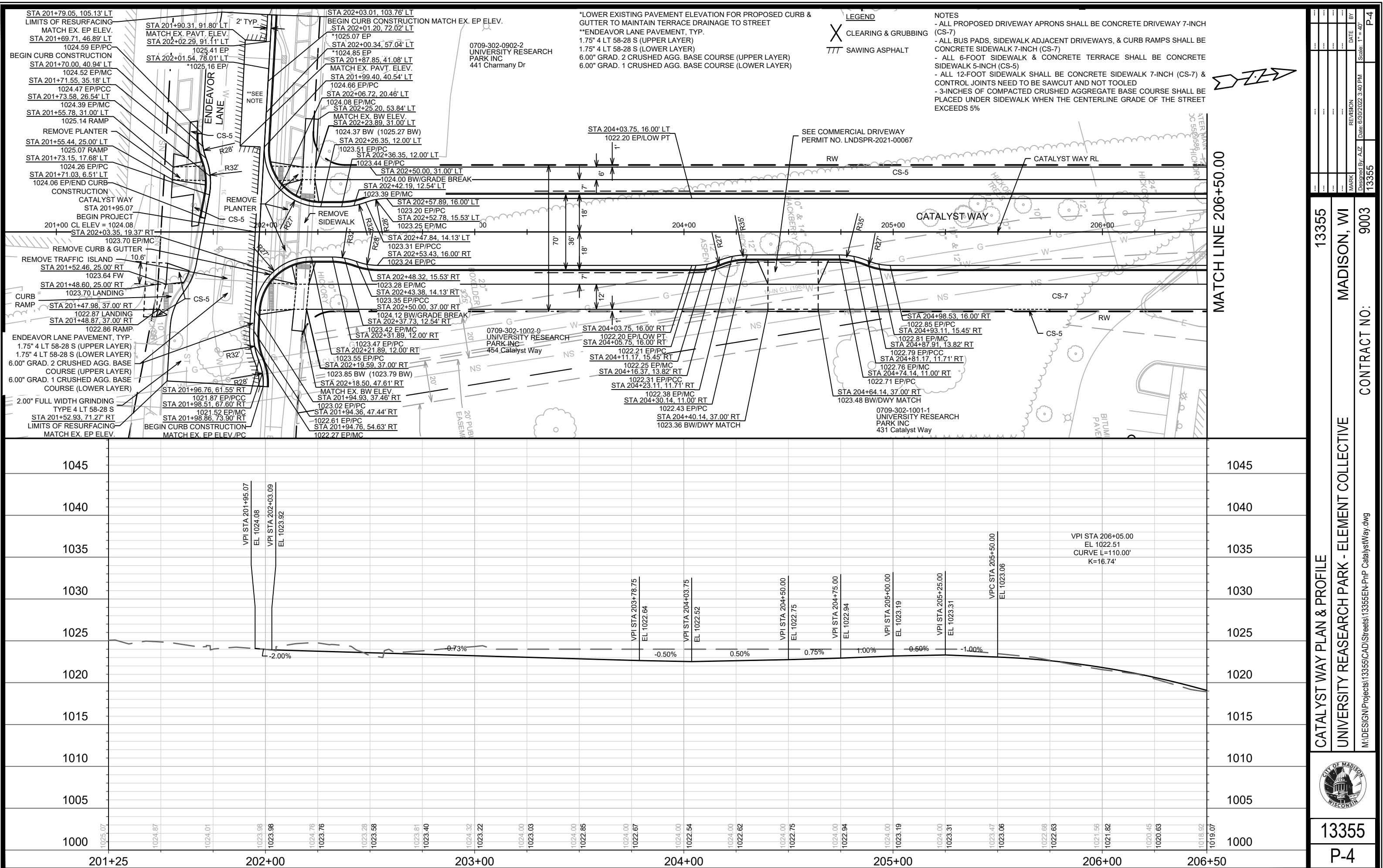
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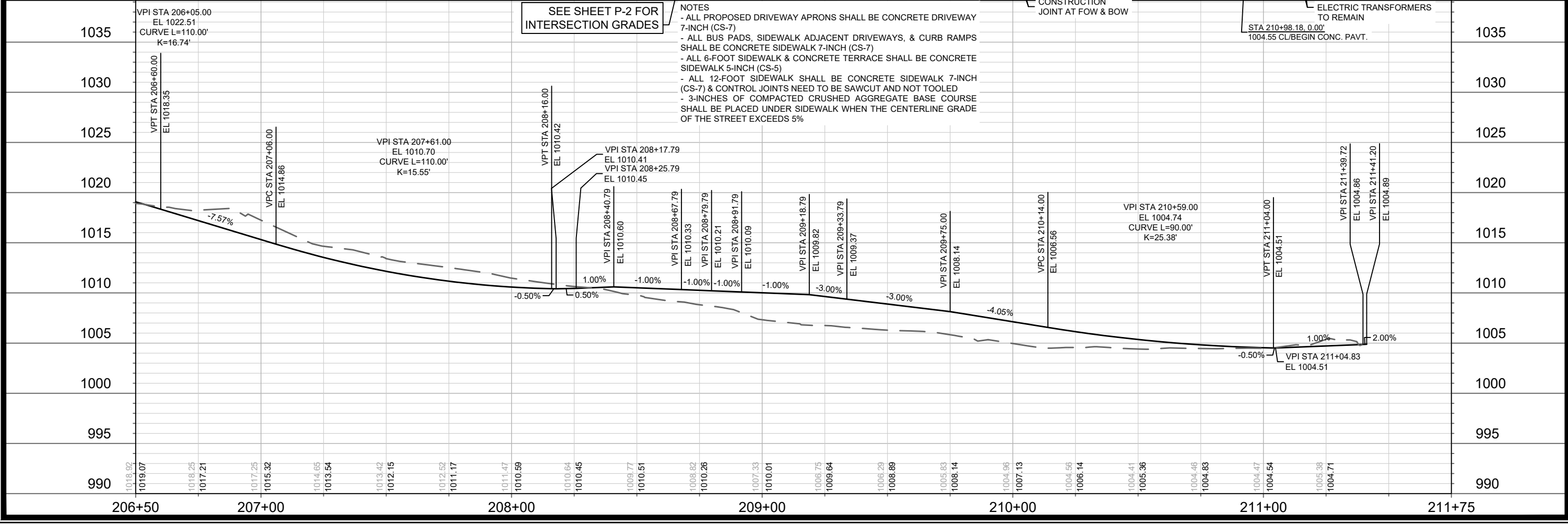
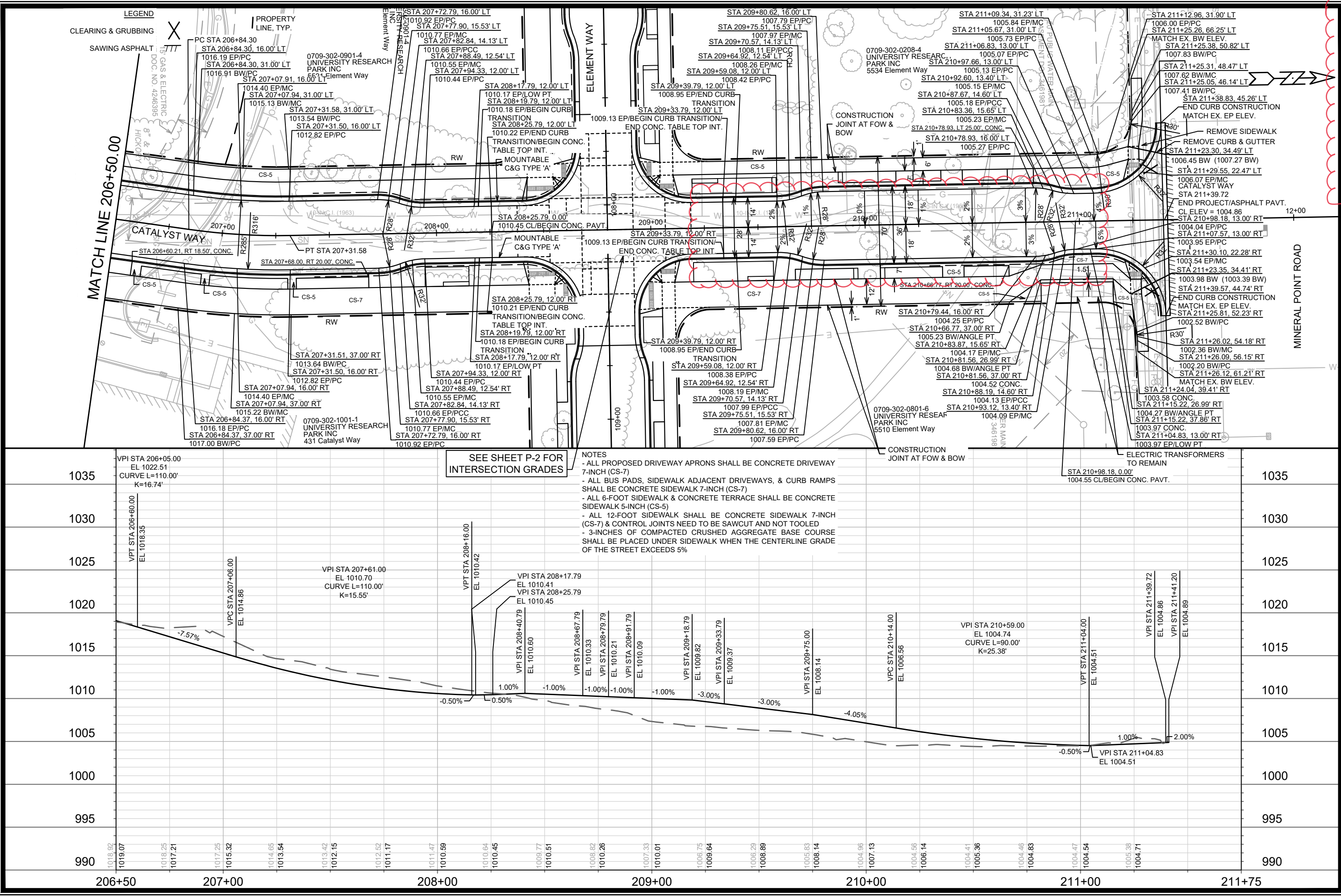
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P-3		P-3		P-3	





SEE SHEET P-2 FOR
INTERSECTION GRADES

- NOTES
- ALL PROPOSED DRIVEWAY APRONS SHALL BE CONCRETE DRIVEWAY 7-INCH (CS-7)
 - ALL BUS PADS, SIDEWALK ADJACENT DRIVEWAYS, & CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH (CS-7)
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CATALYST WAY PLAN & PROFILE		UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE		P-5	
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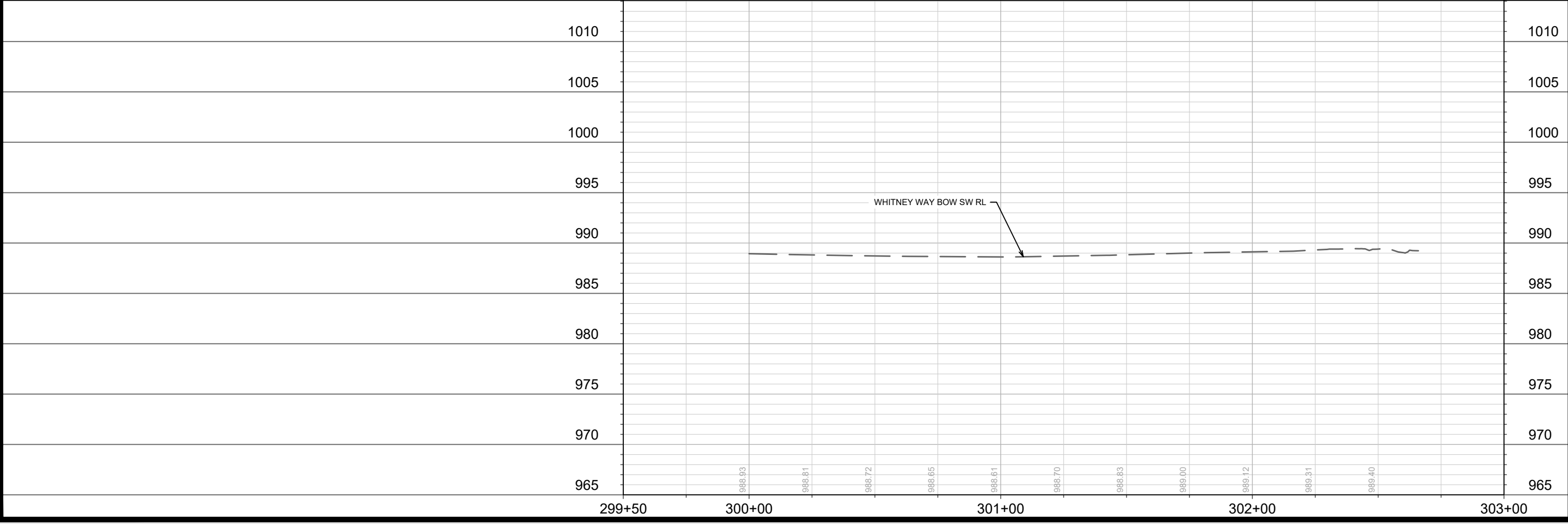
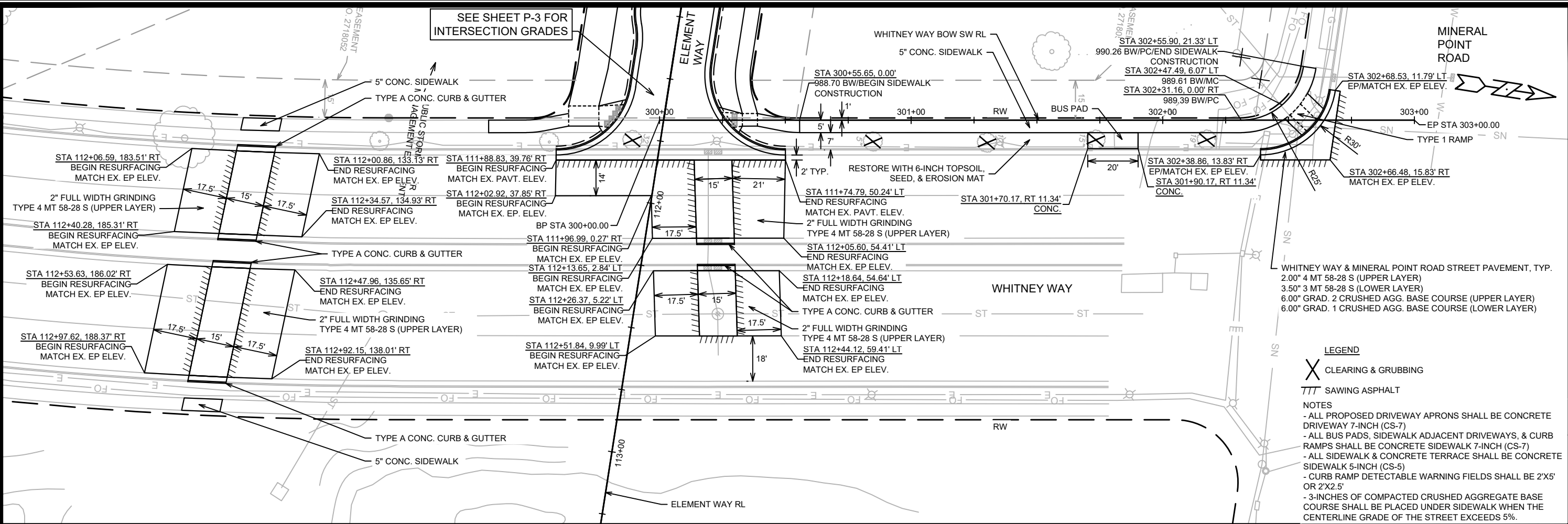
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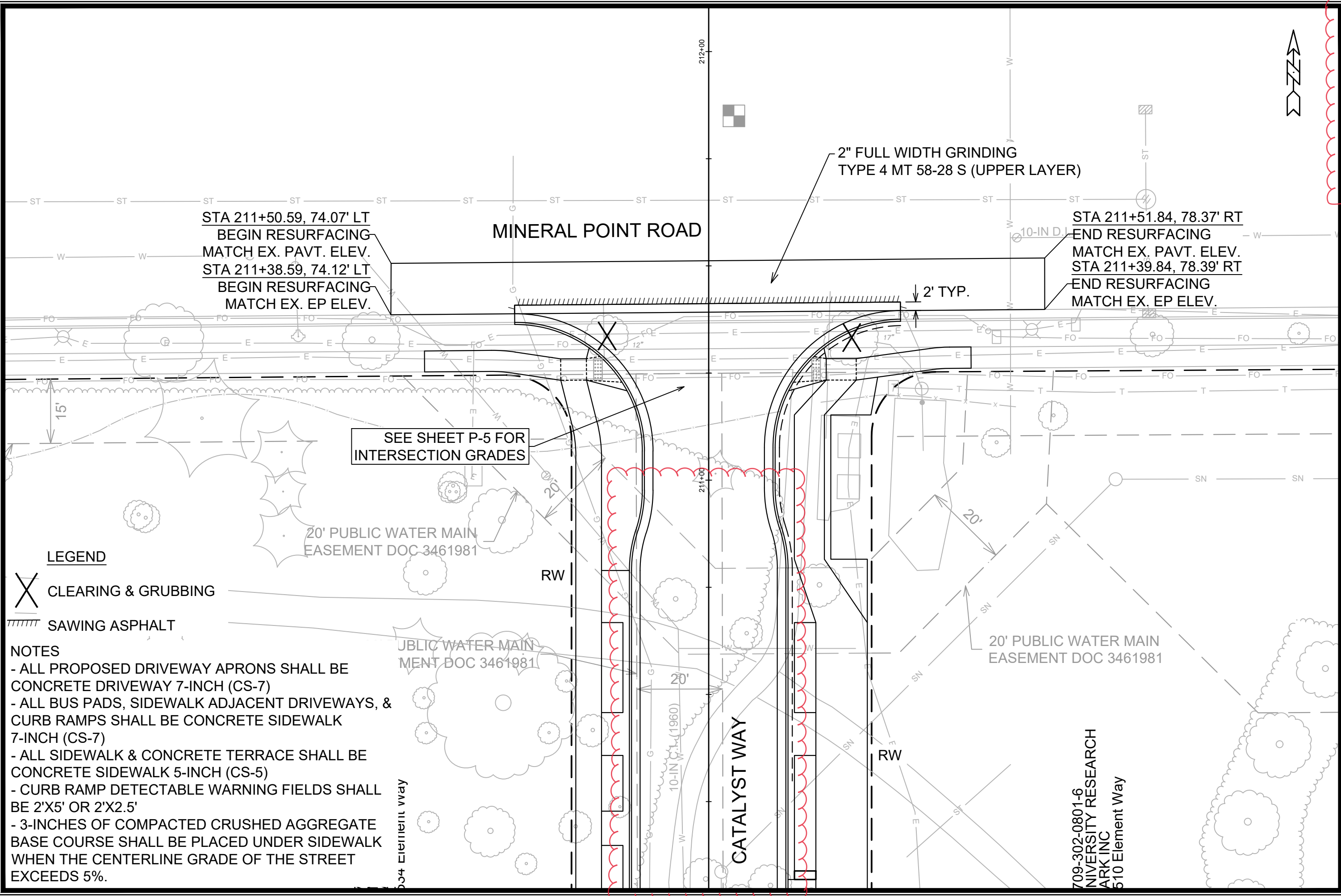
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13355		MADISON, WI		9003	
WHITNEY WAY SIDEWALK PLAN & PROFILE; PAVEMENT REPLACEMENT		UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE		CONTRACT NO.:	
13355		P-6		P-6	
M:\DESIGN\Projects\13355\CAD\Streets\13355EN-PnP WhitneyWay.dwg		CITY OF MADISON WISCONSIN		13355	
P-6		P-6		P-6	



LEGEND

X CLEARING & GRUBBING

SAWING ASPHALT

NOTES

- ALL PROPOSED DRIVEWAY APRONS SHALL BE CONCRETE DRIVEWAY 7-INCH (CS-7)
- ALL BUS PADS, SIDEWALK ADJACENT DRIVEWAYS, & CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH (CS-7)
- ALL SIDEWALK & CONCRETE TERRACE SHALL BE CONCRETE SIDEWALK 5-INCH (CS-5)
- CURB RAMP DETECTABLE WARNING FIELDS SHALL BE 2'X5' OR 2'X2.5'
- 3-INCHES OF COMPACTED CRUSHED AGGREGATE BASE COURSE SHALL BE PLACED UNDER SIDEWALK WHEN THE CENTERLINE GRADE OF THE STREET EXCEEDS 5%.

REV4	UPDATE BACKGROUND	7/28/23	AJZ
MARK	REVISION	DATE	BY
13355	Designed By: AJZ	Date: 7/6/2023 10:16 AM	Scale: 1" = 20'
13355		P-7	

MINERAL POINT ROAD PAVEMENT REPLACEMENT

UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE

13355

P-7

709-302-0801-6
UNIVERSITY RESEARCH
ARK INC
510 Element Way

13355

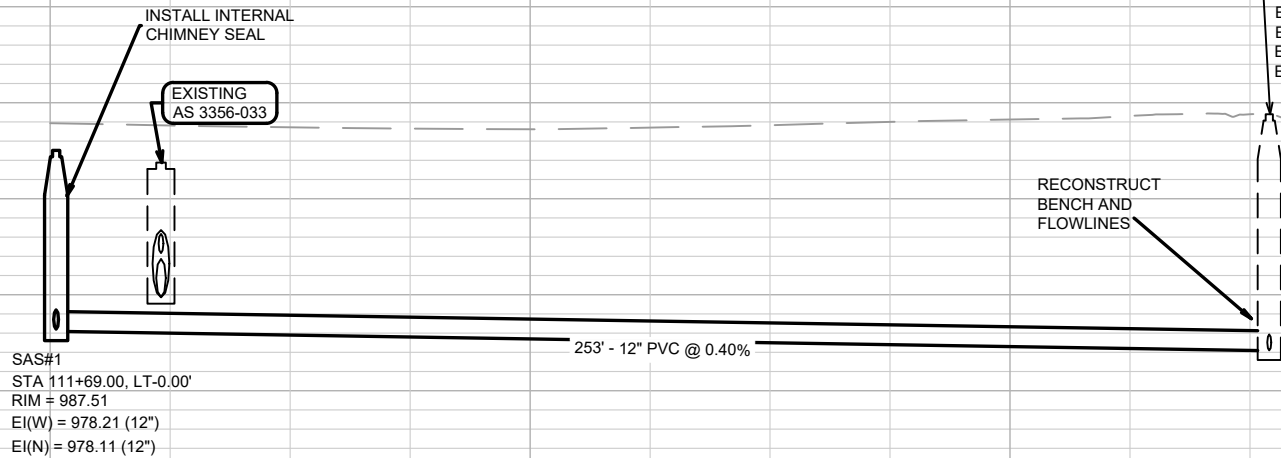
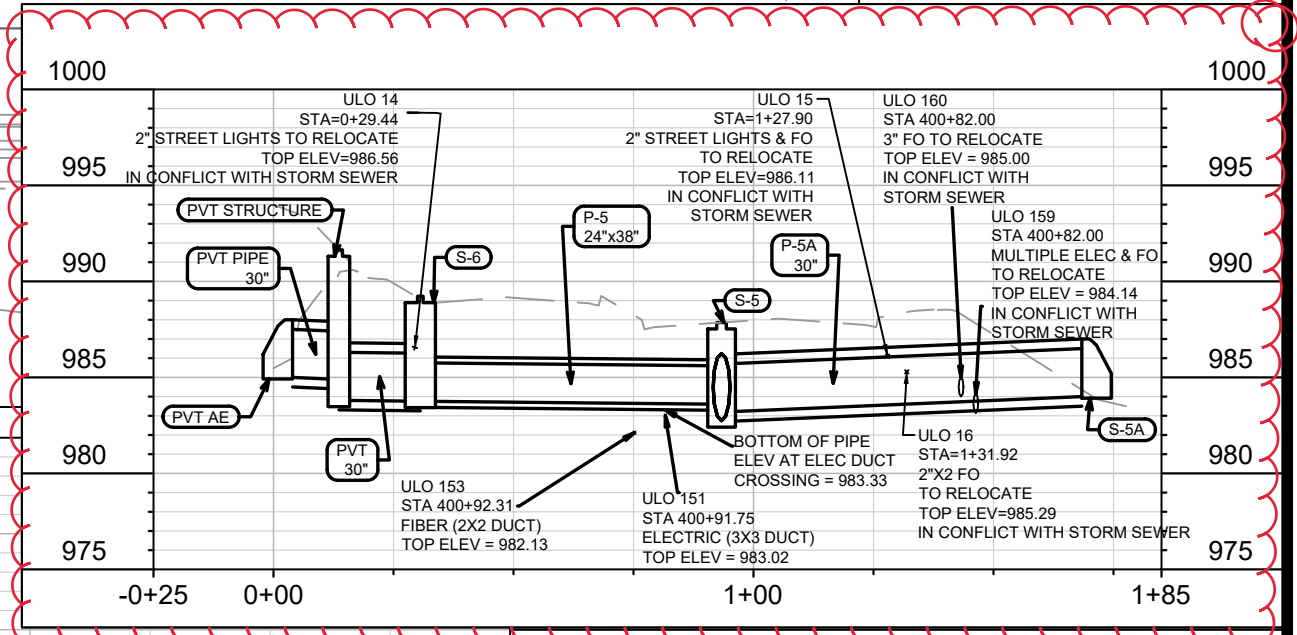
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CONTRACT NO:

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MADISON, WI

CITY OF MADISON WISCONSIN



MARK	REVISION	DATE	BY
13355	Date: 7/31/2023 8:57 AM	Scale: 1" = 40'	U-6

13355

MADISON, WI

CONTRACT NO: 9003

WHITNEY WAY - SANITARY SEWER PLAN & PROFILE
UNIVERSITY RESEARCH PARK - ELEMENT DISTRICT
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13355
U-6

SANITARY SEWER SCHEDULE

* REVISED 9/29/2022 - EEA

UNIVERSITY RESEARCH PARK - ELEMENT DISTRICT PROJECT NO. 13355	SHEET NO. U-SAN
SANITARY SEWER SCHEDULE CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
ELEMENT WAY						
SAS#1	111+69.00	CL	987.51	978.11	9.40	(1)
SAS#2	110+95.30	CL	988.85	978.52	10.33	-
SAS#3	110+06.52	CL	995.20	982.94	12.26	-
SAS#4	108+14.30	CL	1010.16	997.84	12.32	-
* SAS#5	107+11.00	CL	1011.57	1000.90	10.67	-
SAS#6	105+70.53	LT-21.18	1018.97	1006.22	12.75	-

SANITARY STRUCTURE REMOVALS

STRUC. NO.	STATION	LOCATION (OFFSET)	NOTES
CATALYST WAY			
3256-003	210+08.62	RT-2.95	-
3356-012	211+00.21	RT-94.93	-

WHITNEY WAY

3356-011	302+29.42	LT-26.51	-
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PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
ELEMENT WAY								
EX 3356-001	SAS#1	977.10	978.11	253	0.40%	12"	SDR-35	-
SAS#1	SAS#2	978.21	978.52	74	0.42%	12"	SDR-35	-
SAS#2	SAS#3	978.62	982.94	89	4.87%	10"	SDR-35	-
SAS#3	SAS#4	983.04	997.84	192	7.70%	10"	SDR-35	-
* SAS#4	SAS#5	997.94	1000.90	103	2.86%	10"	SDR-35	-
* SAS#5	SAS#6	1001.00	1006.22	147	3.55%	10"	SDR-35	-

SANITARY PIPE REMOVALS

REMOVE FROM	REMOVE TO	LENGTH (FT)	SIZE	TYPE	NOTES
CATALYST WAY					
SAS#4	3256-003	129	10"	PVC	-
3256-003	3356-012	130	10"	PVC	-
3356-012	3356-011	199	10"	PVC	-

WHITNEY WAY

3356-011	3356-001	38	10"	PVC	-
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NOTES:

- ALL STRUCTURES SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL. CONTACT ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.

(1) INSTALL INTERNAL CHIMNEY SEAL IN CONFORMANCE WITH SDD 5.7.17

STORM SEWER SCHEDULE

● REVISED 7/25/2023 - EEA

* REVISED 8/30/2022 - EEA

++ REVISED 9/23/2022 - EEA

REVISED 10/5/2022 - EEA

^^ REVISED 12/8/2022 - EEA

% REVISED 1/5/2023 - EEA

UNIVERSITY RESEARCH PARK -
ELEMENT DISTRICT

SHEET NO.
U-STM

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
WHITNEY WAY							
S-0	402+85.24	RT-17.12	STORM TAP	-	979.87	-	TAP EX AS 3356-033
● S-1	402+84.94	LT-1.50	SADDLED H INLET	986.36	-	-	W/ R-3067-7004-V
● S-1A	402+81.26	LT-1.50	H INLET	986.39	983.39	3.00	W/ R-3067-7004-V; (8)
● S-2	402+85.15	LT-11.25	SADDLED H INLET	987.71	-	-	W/ R-3067-7004-V
● S-2A	402+81.56	LT-11.35	H INLET	987.69	984.69	3.00	W/ R-3067-7004-V; (8)
S-5	400+89.18	RT-14.15	5X5 SAS	987.87	983.20	4.67	FP; W/ R-1550
S-5A	400+78.05	RT-88.00	30" APRON END	-	984.00	-	W/ GATE
● S-6	401+00.29	LT-48.06	5X5 SAS	989.23	983.76	5.47	W/ R-3067-7004-V
ELEMENT WAY							
S-3	111+53.03	LT-16.94	3X3 SAS	987.63	980.04	7.59	LP; W/ R-3067-7004-VB
S-3A	111+53.60	RT-14.50	H INLET	987.57	983.77	3.80	LP; W/ R-3067-7004-VB
S-4	111+12.30	LT-14.50	3X3 SAS	988.37	980.16	8.21	W/ R-3067-7004-V
S-10	111+06.87	RT-72.78	36" APRON END	-	985.50	-	W/ GATE
S-10A	110+60.25	RT-17.50	4X4 SAS	990.73	985.85	4.88	FP; W/ R-3067-7004-V
S-11	109+79.50	RT-17.50	4X4 SAS	997.97	992.00	5.97	W/ R-3067-7004-V
S-11A	109+79.50	LT-17.50	H INLET	997.97	994.22	3.75	W/ R-3067-7004-V
S-12	108+55.00	RT-13.50	4X4 SAS	1009.26	1002.96	6.29	W/ R-3067-7004-V
S-12A	108+55.00	LT-13.50	H INLET	1009.26	1005.45	3.80	W/ R-3067-7004-V
S-24	107+49.62	LT-13.50	4X4 SAS	1010.55	1006.00	4.55	LP; W/ R-3067-7004-VB
S-24A	107+49.62	RT-13.50	H INLET	1010.55	1006.75	3.80	LP; W/ R-3067-7004-VB
S-25	107+01.00	LT-17.50	3X3 SAS	1011.48	1007.00	4.48	W/ R-3067-7004-V
S-25A	107+01.00	RT-17.50	H INLET	1011.48	1007.68	3.80	W/ R-3067-7004-V
S-26	106+38.00	LT-13.90	3X3 SAS	1014.47	1008.50	5.97	W/ R-3067-7004-V
S-27	105+58.00	LT-17.50	3X3 SAS	1019.16	1013.85	5.30	W/ R-3067-7004-V; (1)
S-27A	105+58.00	RT-17.50	H INLET	1019.17	1015.37	3.79	W/ R-3067-7004-V
S-28	104+50.00	LT-17.50	3X3 SAS	1025.60	1020.30	5.30	W/ R-3067-7004-V; (2)
S-28A	104+50.00	RT-17.50	H INLET	1025.60	1021.80	3.80	W/ R-3067-7004-V
* S-29	103+42.25	LT-12.50	H INLET	1032.01	1026.21	5.80	W/ R-3067-7004-V
* S-29A	103+42.25	RT-12.50	H INLET	1032.02	1028.22	3.80	W/ R-3067-7004-V
S-30	101+95.00	LT-17.50	H INLET	1043.60	1038.00	5.60	W/ R-3067-7004-V
CATALYST WAY							
* S-13	208+17.79	RT-13.50	4X4 SAS	1010.55	1004.55	6.00	FP; LP: W/ R-3067-7004-VB
## S-14	208+17.79	LT-13.50	H INLET	1010.55	1007.55	3.00	LP: W/ R-3067-7004-VB; (6)
* S-15	206+67.00	LT-17.50	3X3 SAS	1017.98	1009.80	8.18	W/ R-3067-7004-V
* S-15A	206+97.50	RT-17.50	4X4 SAS	1015.93	1008.00	7.92	W/ R-3067-7004-V; (3)
##+ S-15B	206+10.00	LT-17.50	H INLET	1021.16	1011.88	9.28	W/ R-3067-7004-V; (4)
S-16	204+03.75	LT-17.50	3X3 SAS	1022.58	1017.00	5.58	LP: W/ R-3067-7004-VB
S-16A	204+03.75	RT-17.50	H INLET	1022.58	1018.98	3.60	LP: W/ R-3067-7004-VB
# S-17	202+03.34	LT-82.54	H INLET	1025.61	1021.95	3.66	FP; W/ R-3067-7004-V; (3); (7)
# S-18	207+04.56	LT-21.76	H INLET	1015.15	1009.13	6.02	FP; W/ R-1878-B7L; (5)
^^ S-20	210+89.55	RT-65.12	36" APRON END	-	992.50	-	W/ GATE
% S-21	210+89.75	RT-15.70	5X5 SAS	1004.92	995.00	9.91	W/ R-3067-7004-V
S-21A	211+04.83	RT-14.50	H INLET	1004.35	1001.13	3.22	LP: W/ R-3067-7004-VB
S-21B	211+07.00	LT-14.50	H INLET	1004.81	1001.28	3.52	W/ R-3067-7004-V
S-22	209+23.00	RT-13.50	4X4 SAS	1009.83	1005.00	4.83	W/ R-3067-7004-V
S-23	209+23.00	LT-13.50	3X3 SAS	1009.83	1005.16	4.67	W/ R-3067-7004-V

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
WHITNEY WAY										
P-0	S-0	S-3	979.87	980.04	88	84	0.20%	24"	TYPE I	-
● P-1	S-1	S-1A	983.37	983.39	6	4	0.50%	12"	TYPE I	-
● P-2	S-2	S-2A	984.67	984.69	6	4	0.50%	12"	TYPE I	-
● P-5	S-5	S-6	983.60	983.76	63	58	0.28%	24"x38"	TYPE I	-
P-5A	S-5	S-5A	983.20	984.00	75	73	1.10%	30"	TYPE I	-
ELEMENT WAY										
P-3A	S-3	S-3A	981.04	983.77	31	29	9.41%	12"	TYPE I	-
P-4	S-3	S-4	980.04	980.16	41	38	0.32%	24"	TYPE II	-
P-10	S-10	S-10A	985.50	985.85	72	70	0.50%	36"	TYPE I	-
P-10A	S-10A	S-11	985.85	992.00	81	77	7.99%	36"	TYPE I	-
P-11	S-11	S-12	992.50	1002.96	125	121	8.64%	30"	TYPE I	-
P-11A	S-11	S-11A	994.00	994.22	35	32	0.69%	12"	TYPE I	-
P-12	S-12	S-13	1002.96	1004.55	57	53	3.00%	30"	TYPE II	-
P-12A	S-12	S-12A	1004.46	1005.45	27	24	4.13%	12"	TYPE I	-
P-24	S-24	S-25	1006.25	1007.00	49	45	1.67%	15"	TYPE II	-
P-24A	S-24	S-24A	1006.25	1006.75	27	24	2.08%	15"	TYPE I	-
P-25	S-25	S-26	1007.00	1008.50	64	61	2.46%	15"	TYPE I	-
P-25A	S-25	S-25A	1007.25	1007.68	35	33	1.30%	12"	TYPE I	-
P-26	S-26	S-27	1008.50	1013.85	86	84	6.37%	15"	TYPE I	-
P-27	S-27	S-28	1013.85	1020.30	111	108	5.97%	15"	TYPE II	-
P-27A	S-27	S-27A	1014.10	1015.37	35	33	3.85%	12"	TYPE II	-
* P-28	S-28	S-29	1020.55	1026.21	108	105	5.39%	12"	TYPE II	-
P-28A	S-28	S-28A	1020.55	1021.80	35	33	3.79%	12"	TYPE I	-
* P-29	S-29	S-29A	1026.21	1030.18	25	23	17.26%	12"	TYPE I	-
* P-30	S-29	S-30	1026.21	1038.00	147	144	8.19%	12"	TYPE I	-
CATALYST WAY										
* P-13	S-13	S-14	1005.80	1007.55	27	24	7.29%	15"	TYPE I	-
* P-14	S-13	S-15A	1005.05	1008.00	122	118	2.50%	24"	TYPE II	-
* P-15A	S-15A	S-15	1008.75	1009.80	47	42	2.50%	15"	TYPE I	-
##+ P-15	S-15	S-15B	1009.80	1011.88	96	93	2.24%	15"	TYPE II	-
##+ P-15B	S-15B	S-16	1014.84	1017.00	168	165	1.31%	15"	TYPE II	-
P-16	S-16	S-16A	1017.25	1018.98	35	33	5.24%	12"	TYPE I	-
# P-18	S-15A	S-18	1008.75	1009.13	40	38	1.00%	12"	TYPE I	NCM
^^ P-20	S-20	S-21	994.42	995.00	49	47	1.23%	36"	TYPE I	-
P-21	S-21	S-22	1000.05	1005.00	167	162	3.06%	24"	TYPE I	-
P-21A	S-21	S-21A	1001.05	1001.13	15	11	0.68%	12"	TYPE II	-
P-21B	S-21A	S-21B	1001.13	1001.28	29	27	0.54%	12"	TYPE I	-
P-22	S-22	S-23	1005.00	1005.16	27	24	0.67%	24"	TYPE I	-
P-23	S-23	S-24	1005.66	1006.00	57	53	0.64%	18"	TYPE II	-

NOTES:

(1) BOX OUT TO WEST FOR 10" STM LAT AT EI = 1014.27

(2) BOX OUT TO WEST FOR 6" STM LAT AT EI = 1021.05

(3) RECONNECT EX STORM; FIELD CONFIRM EI

##+ (4) RECONNECT EX PVT STORM TO W AT EI=1016.39

(5) FIELD CONFIRM INVERT; CONNECT EX PVT STORM TO WEST

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.

- 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.

- 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 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 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 ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR STORM SEWER PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.

-FOR SWM PRECAST APPROVALS CONTACT PHIL GAEBLER AT (608) 266-4059 OR EMAIL SWM SHOP DRAWINGS TO PGAEBLER@CITYOFMADISON.COM

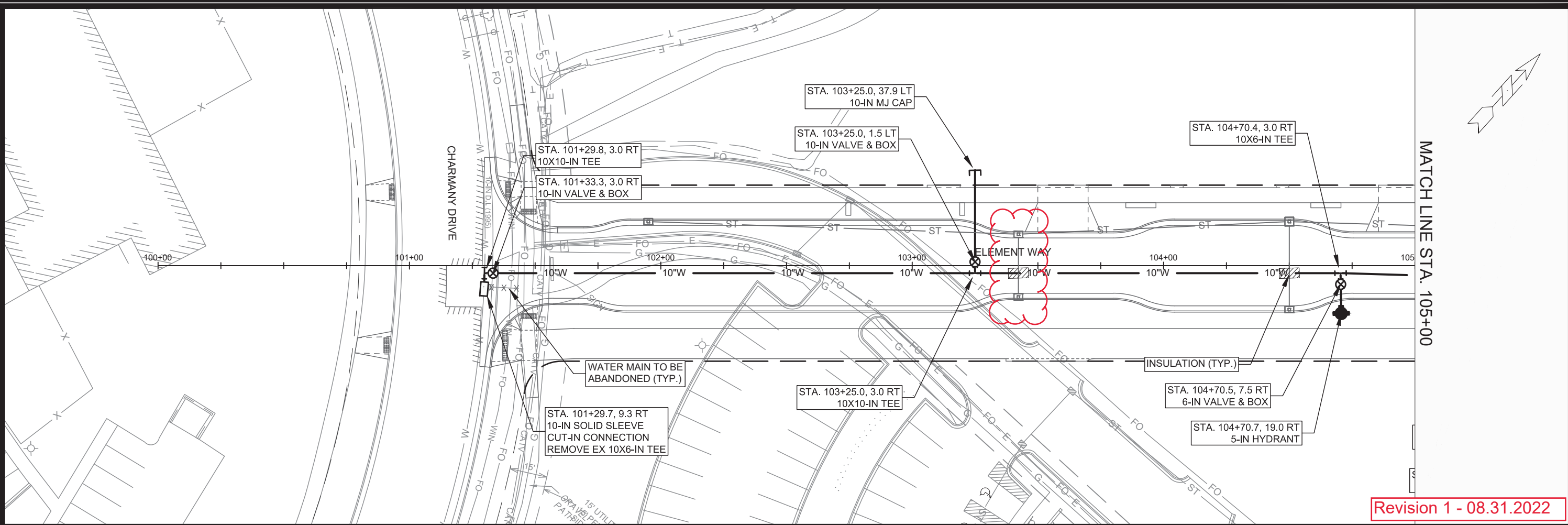
ULO SCHEDULE

* REVISED 8/30/2022 - EEA
+ REVISED 7/25/2023 - EEA

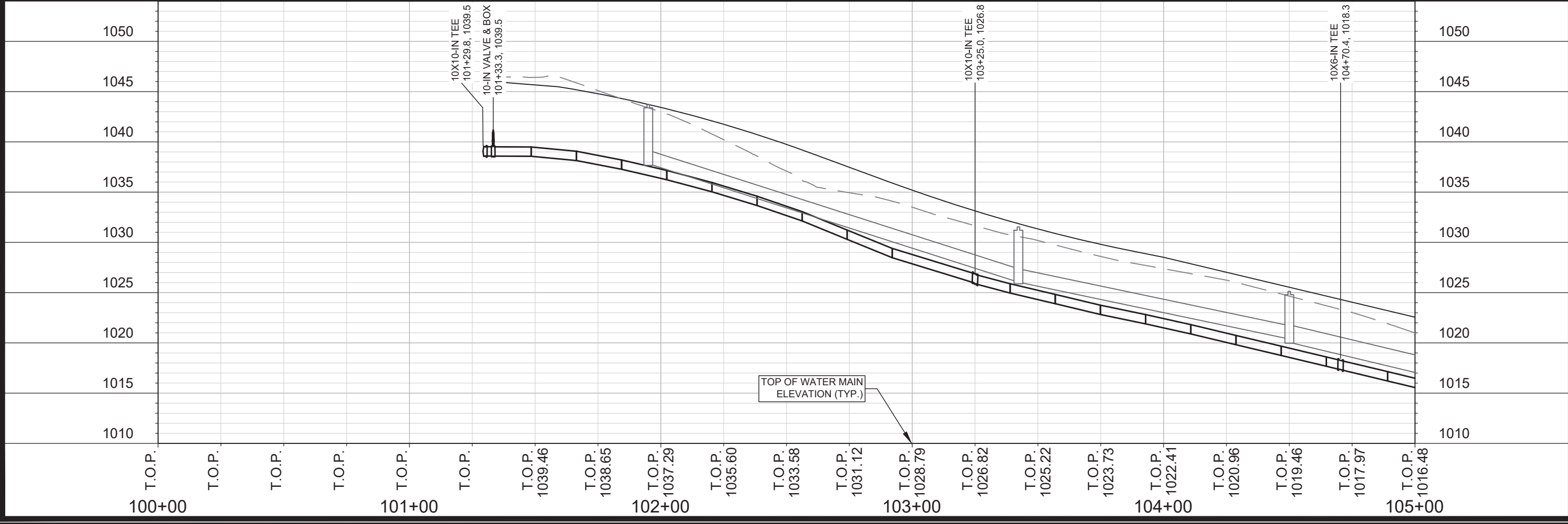
UNIVERSITY RESEARCH PARK - ELEMENT DISTRICT	SHEET NO. U-STM2
PROJECT NO. 13355	
ULO SCHEDULE	CITY OF MADISON

ULO SCHEDULE

ID NO. (OFFSET)	STATION	LOCATION (OFFSET)	TYPE	ELEV	NORTH	EAST	NOTES	
CATALYST WAY								
JLO-1	206+80.31	LT-17.86	TOP 3" GAS	1013.754	477295.525	797271.646	MG&E - TO SLIPSTEAM	
JLO-2	206+76.66	LT-18.94	TOP 4" TEL	1013.887	477292.083	797270.006	COMUNICATION TO SLIPSTREAM	
JLO-3	206+76.31	LT-19.17	TOP 1"X4 EL	1013.695	477291.776	797269.732	4 - POWER WIRES TO SLIPSTREAM	
JLO-4	207+02.88	LT-15.47	TOP 8"HP GAS	1011.983	477316.567	797276.85	MG&E	
JLO-5	207+02.80	LT-16.55	TOP 3"X2 FIBER	1013.273	477316.601	797275.774	2 - FIBER TO SLIPSTREAM	
JLO-6	207+04.35	LT-10.78	TOP 10"WATER	1017.668	477317.538	797281.655	WATERMAIN	
JLO-7	206+98.36	RT-11.98	TOP 1" GAS	1012.815	477309.285	797303.691	GAS SERVICE SLIPSTREAM	
JLO-8	207+73.95	LT-10.30	TOP 10" WATER	1005.817	477386.122	797283.317	WATERMAIN	
JLO-9	207+95.37	LT-14.00	TOP 8" HP GAS	1007.004	477407.547	797279.619	MG&E	
JLO-10	208+17.79	LT-13.51	TOP 8" HP GAS	1006.04	477429.963	797280.106	MG&E	
JLO-12	208+72.19	LT-7.62	TOP 10" WATER	1001.417	477484.366	797286.001	WATERMAIN	
JLO-13	208+78.55	LT-8.04	TOP 10" WATER	1001.35	477490.729	797285.575	WATERMAIN	
JLO-17	210+89.68	LT-12.75	TOP 8" HP GAS	998.831	477701.851	797280.871	MG&E	
JLO-18	210+92.68	LT-27.51	Nothing	1005.322	477704.856	797266.106	Went down 12' did not find anything	
JLO-19	210+90.24	RT-33.41	Nothing	1003.54	477702.416	797327.026	Went down 8' found nothing. Think elec was removed by Parisi for building construction.	
JLO-20	209+22.46	LT-14.31	TOP 8" HP GAS	1002.075	477534.631	797279.305	MG&E	
ELEMENT WAY								
JLO-11	111+73.49	LT-21.40	TOP 2" EL	985.554	477513.361	797655.486	STREET LIGHTS	
JLO-21	102+94.24	LT-17.67	TOP 2"X2 FIBER	1032.233	477305.745	796834.863	2 - AT&T	
JLO-22	103+14.07	LT-1.77	TOP 2"X2 FIBER	1029.905	477307.198	796860.247	2 - AT&T	
WHITNEY WAY								
JLO-14	401+00.92	LT-49.09	TOP 2" EL	986.565	477334.102	797683.247	STREET LIGHTS	EL TO RELOCATE, IN CONFLICT WITH STORM SEWER
JLO-15	400+89.94	RT-48.16	TOP 2" EL & FO	986.114	477329.526	797781.606	STREET LIGHTS & COMUNICATION IN SAME HOLE	EL & FO TO RELOCATE, IN CONFLICT WITH STORM SEWER
JLO-16	400+84.40	RT-52.14	TOP 2"X2 FIBER	985.288	477329.422	797785.624	2 - FIBER LINES	FO TO RELOCATE, IN CONFLICT WITH STORM SEWER
JLO-150	402+85.00	LT-5.00	TOP FIBER	982.99	477521.264	797700.668	2X2 CONCRETE ENCASED DUCT PACKAGE	FO TO RELOCATE; IN CONFLICT WITH STORM SEWER
JLO-151	400+90.00	RT-2.00	TOP EL	983.02	477331.275	797735.343	3X3 CONCRETE ENCASED DUCT PACKAGE	EL TO RELOCATE, IN CONFLICT WITH STORM SEWER
JLO-153	400+90.00	LT-5.00	TOP FIBER	982.13	477331.126	797728.918	2X2 CONCRETE ENCASED DUCT PACKAGE	FO TO RELOCATE, IN CONFLICT WITH STORM SEWER
JLO-155	402+85.00	RT-2.00	TOP EL	982.13	477522.171	797706.819	3X3 CONCRETE ENCASED DUCT PACKAGE	EL TO RELOCATE, IN CONFLICT WITH STORM SEWER
JLO-159	400+82.00	RT-64.00	TOP EL & FO	984.14	477328.328	797799.955	2-FIBER LINES; 2-ELEC	EL & FO TO RELOCATE, IN CONFLICT WITH STORM SEWER
JLO-160	400+82.00	RT-67.00	TOP FO	985.00	477328.488	797796.898	3" FO	FO TO RELOCATE, IN CONFLICT WITH STORM SEWER



Revision 1 - 08.31.2022

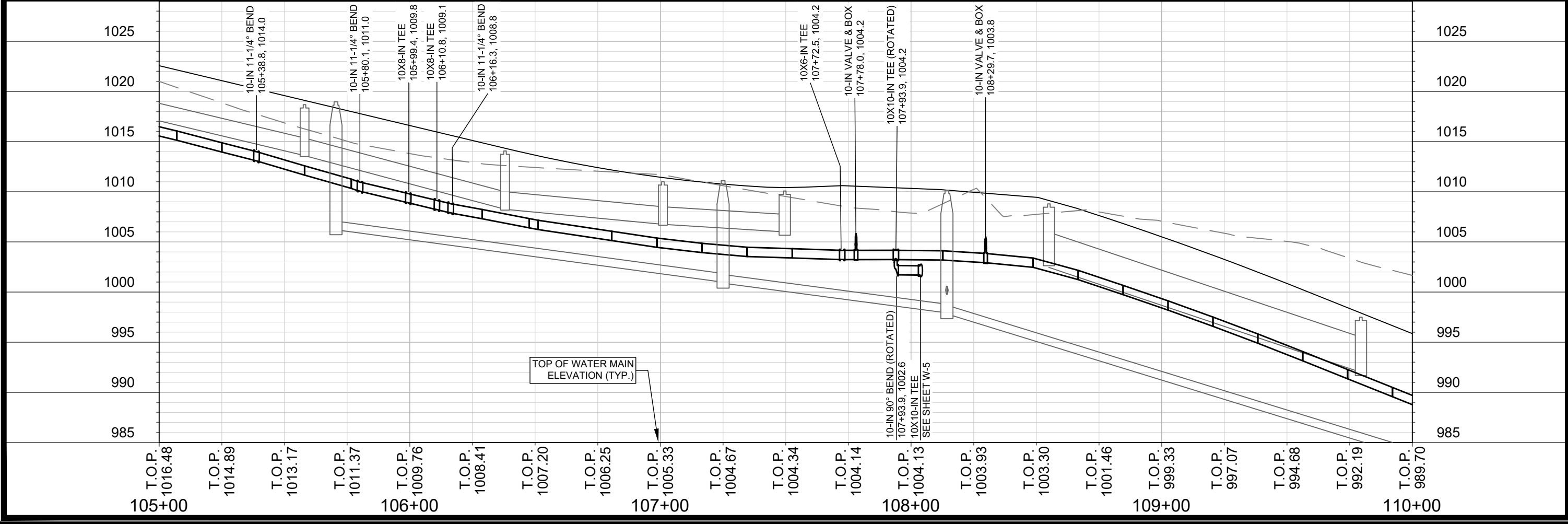
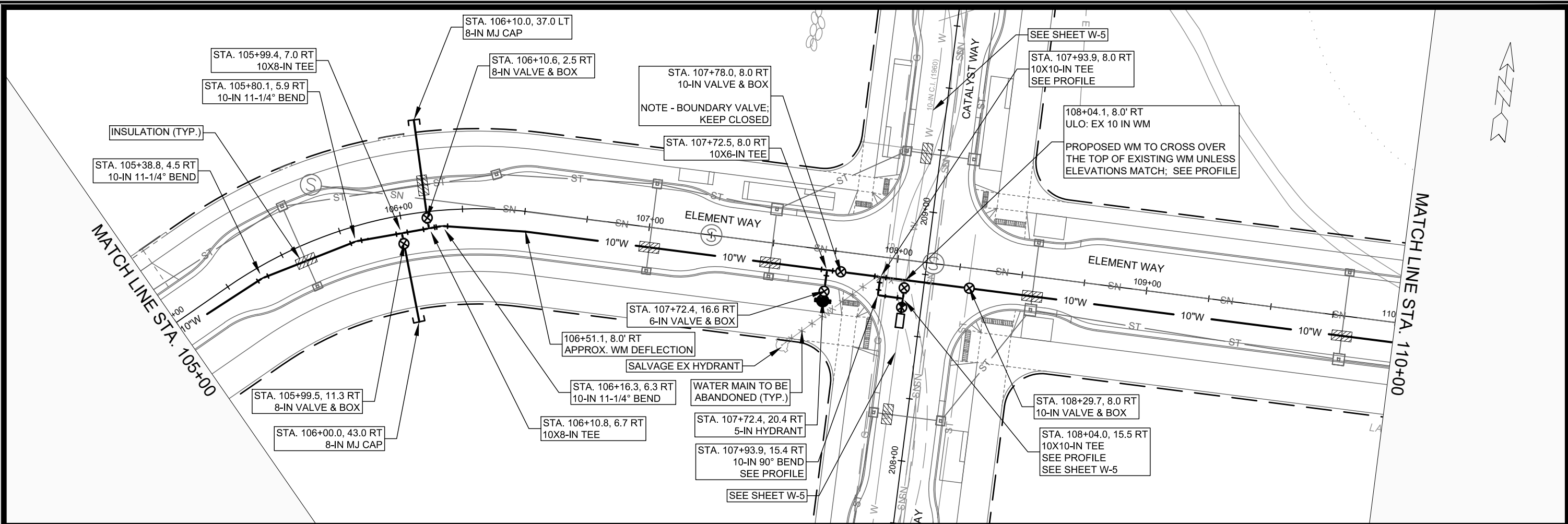


SCALE: 1" = 40'
DESIGNED BY: VALUE
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 8/31/22

UNIVERSITY REASEARCH PARK - ELEMENT COLLECTIVE
ELEMENT WAY WATER MAIN PLAN & PROFILE
CITY OF MADISON, WISCONSIN

13355
W-1

CONTRACT NO: 9003



SCALE: 1" = 40'

DESIGNED BY: VALUE

MADISON WATER UTILITY

119 E OLIN AVE, MADISON, WI 53713

PRINTING DATE: 6/29/22

UNIVERSITY REASEARCH PARK - ELEMENT COLLECTIVE

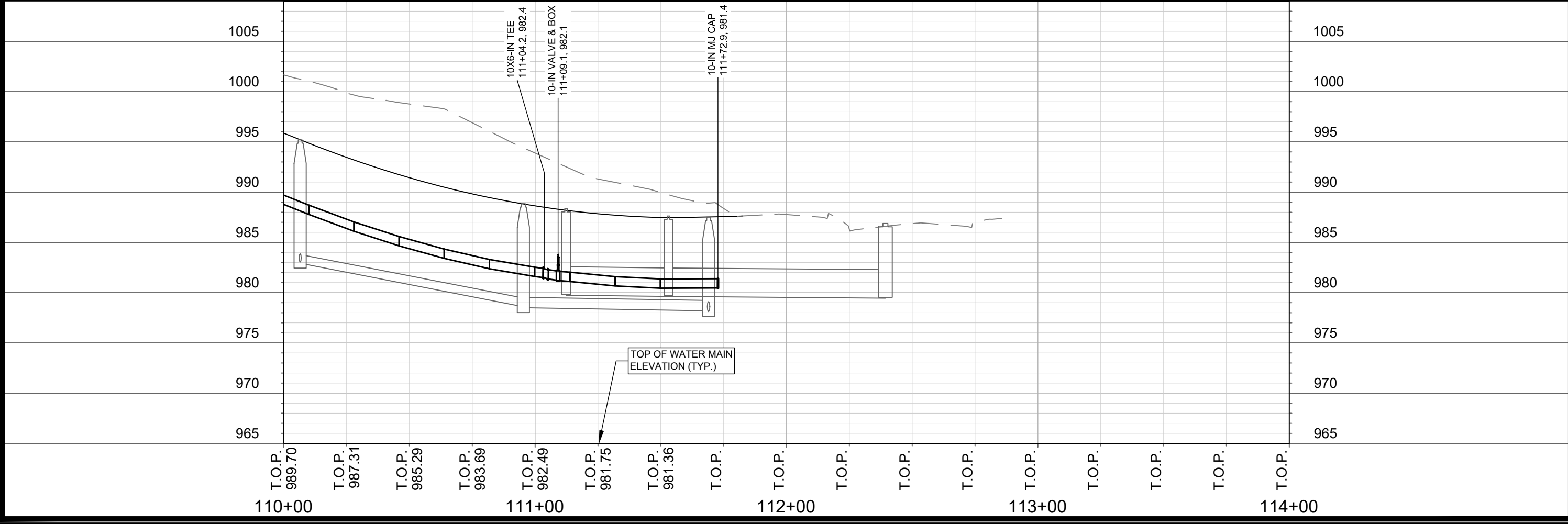
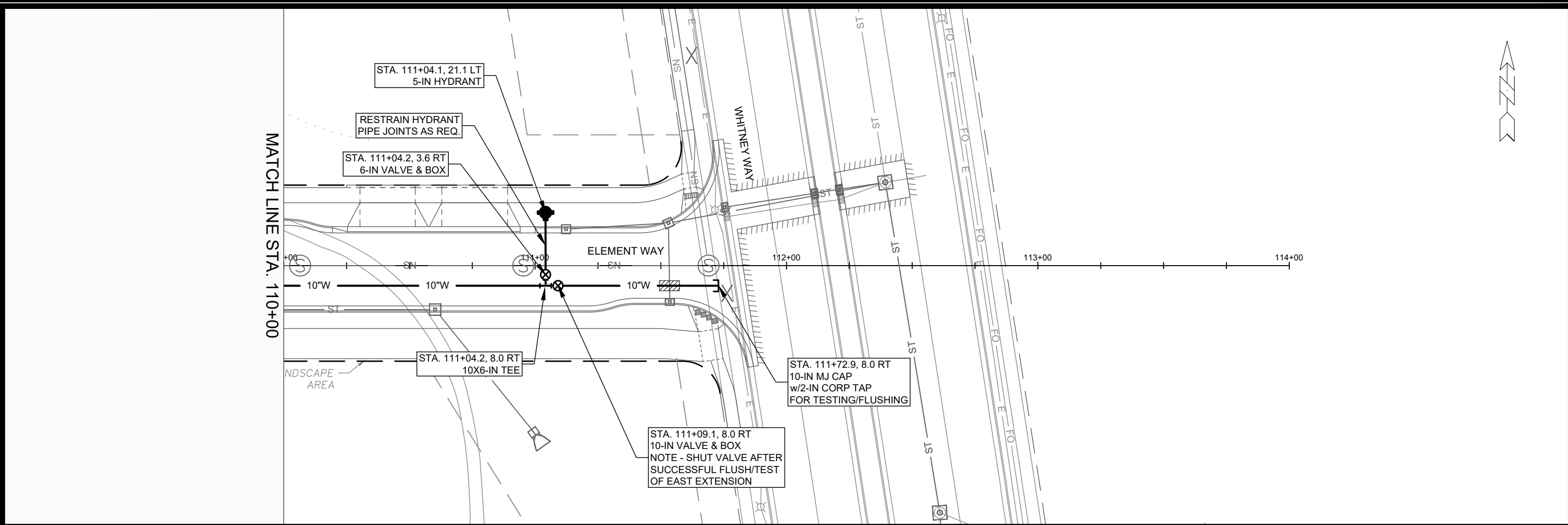
ELEMENT WAY WATER MAIN PLAN & PROFILE

CITY OF MADISON, WISCONSIN

13355

W-2

CONTRACT NO: 9003

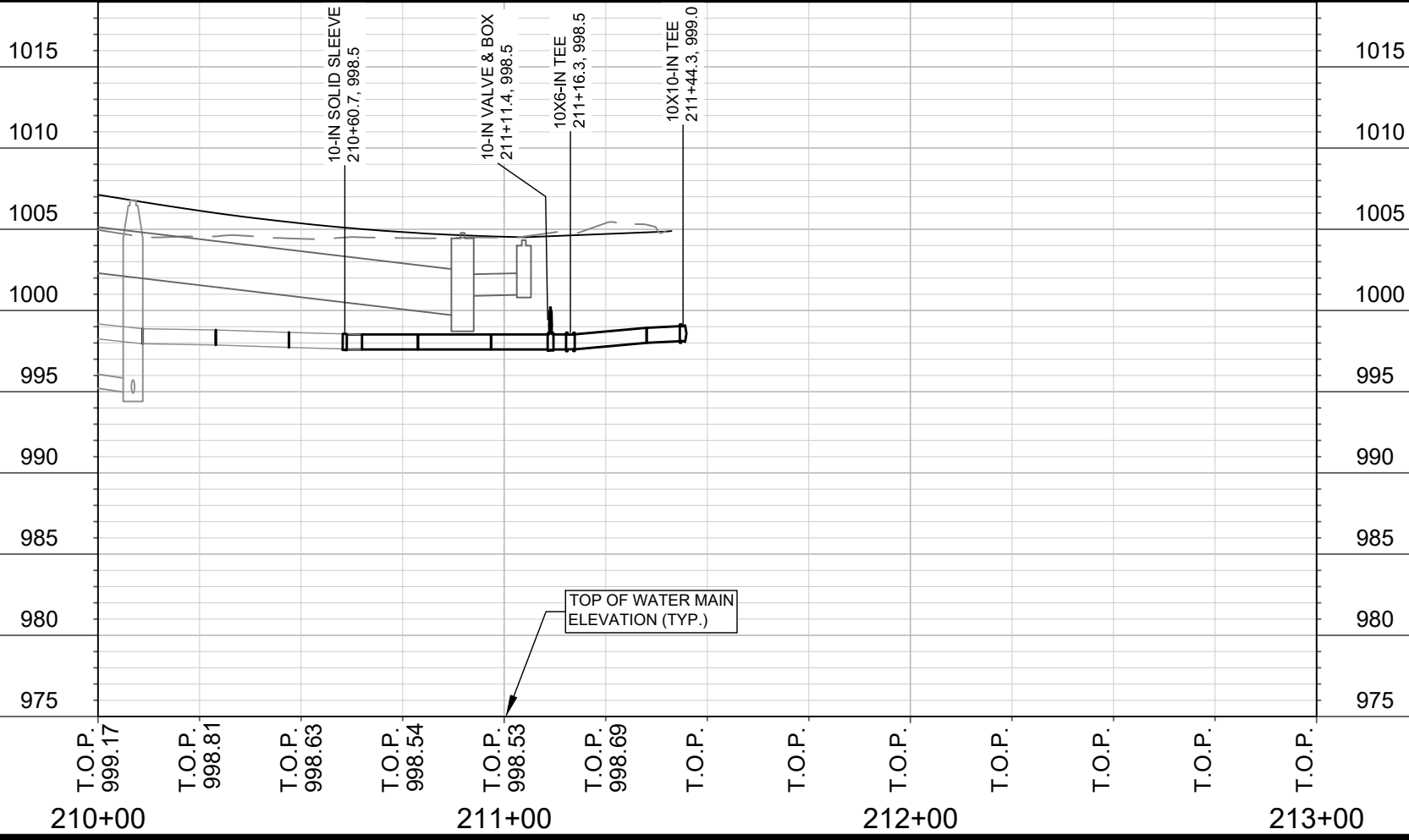
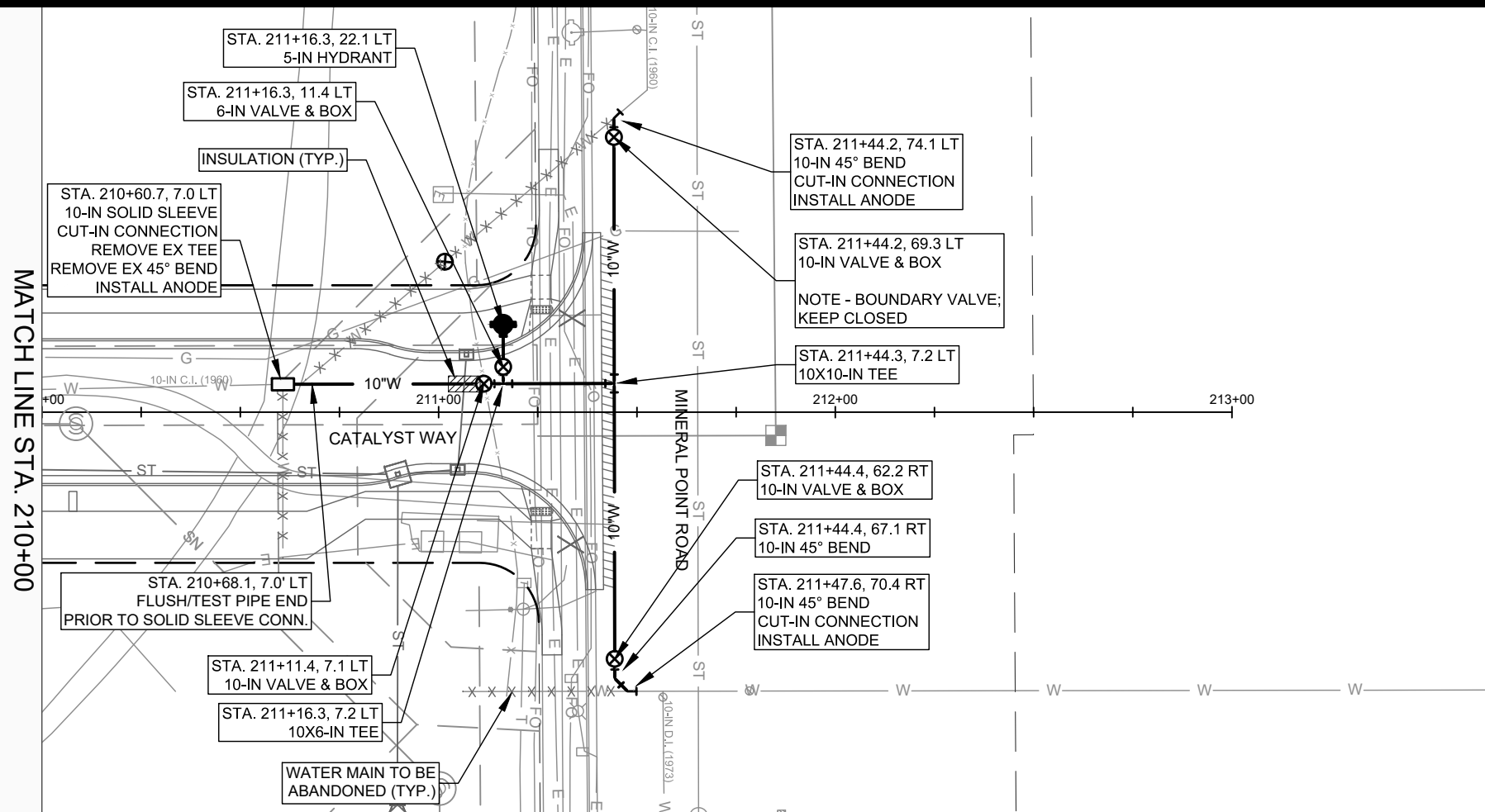


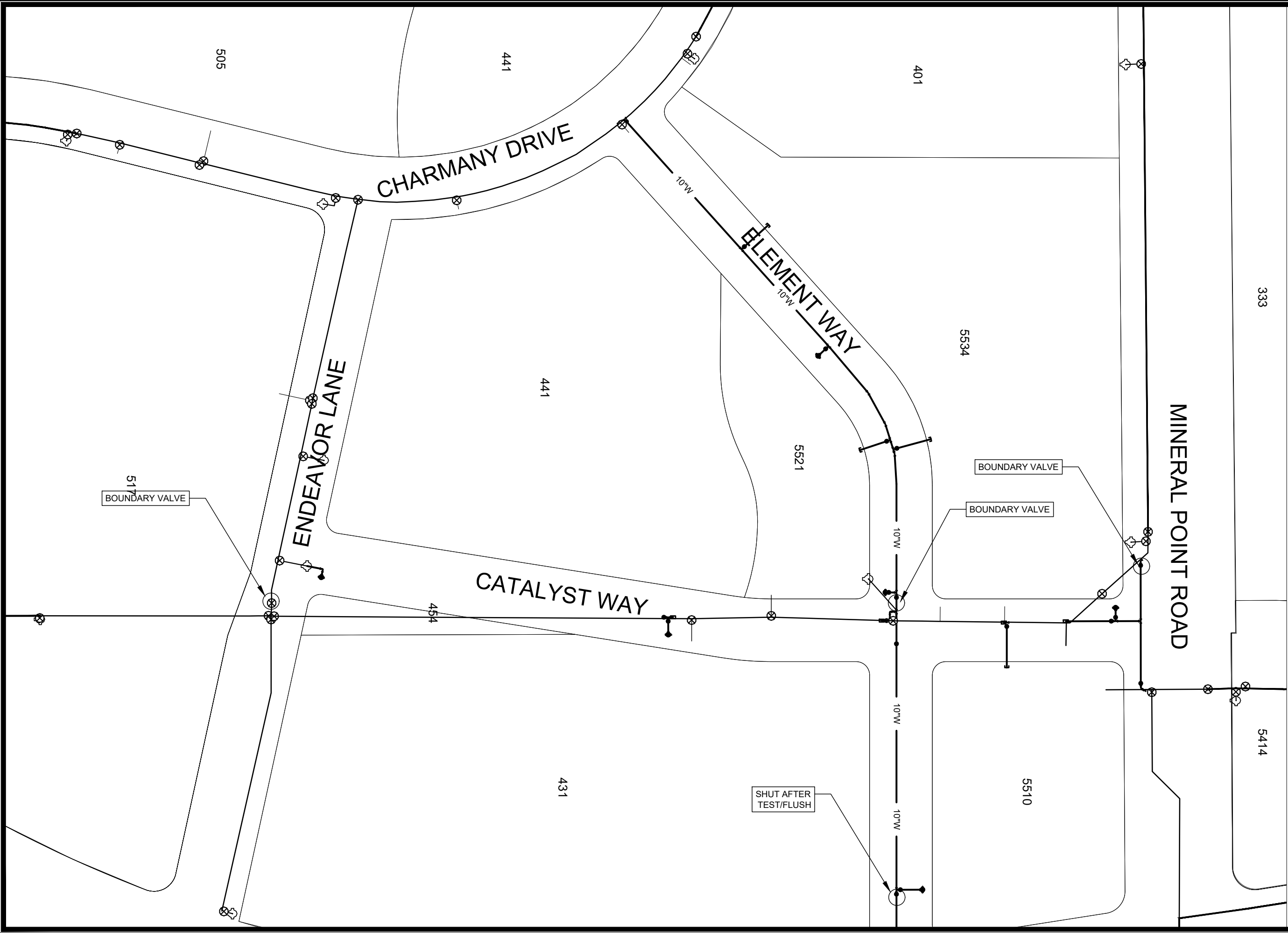
UNIVERSITY REASEARCH PARK - ELEMENT COLLECTIVE
ELEMENT WAY WATER MAIN PLAN & PROFILE
CITY OF MADISON, WISCONSIN

13355
W-3

SCALE: 1" = 40'
DESIGNED BY: VALUE
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 6/29/22

CONTRACT NO: 9003





1" = 100'

UNIVERSITY REASEARCH PARK - ELEMENT COLLECTIVE

WATER IMPACT PLAN

CITY OF MADISON, WISCONSIN

SCALE: 1" = 100'

DESIGNED BY: PEH

MADISON WATER UTILITY

119 E OLIN AVE, MADISON, WI 53713

PRINTING DATE: 4/18/2022

CONTRACT NO: 9003



13355
W-7

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.

MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.

3.

THE EXISTING UTILITIES SHOWN ON THIS REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN REPARATION. CONTRACTOR IS RESPONSIBLE OR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.
- WN1

REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN-2

EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN-3

EXISTING SERVICE TO BE ABANDONED
- WN-4

DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN-5

RELOCATE THE EXISTING FIRE HYDRANT.
- WN-6

ABANDON WATER VALVE ACCESS STRUCTURE.
- WN-7

FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN-8

ABANDON THE VALVE BOX.
- WN-9

FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN-10

REMOVE AND SALVAGE EXISTING HYDRANT
- WN-11

REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE
- WN-20+

SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.

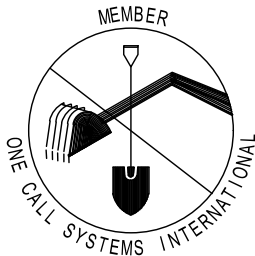
*ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

DESCRIPTION	QUANTITY	UNIT
6-INCH PIPE & FITTINGS	120	LNFT
8-INCH PIPE & FITTINGS	140	LNFT
10-INCH PIPE & FITTINGS	1360	LNFT
6-INCH WATER VALVE	5	EACH
8-INCH WATER VALVE	3	EACH
10-INCH WATER VALVE	11	EACH
5-INCH HYDRANT	5	EACH
6-IN MJ CAP	2	EACH
8-IN MJ CAP	3	EACH
10-IN MJ CAP	2	EACH
10-IN SOLID SLEEVE	5	EACH
6-IN 90° BEND	1	EACH
6-IN 45° BEND*	4	EACH
10-IN 90° BEND	1	EACH
10-IN 45° BEND*	7	EACH
10-IN 11-1/4° BEND	3	EACH
10X6-IN TEE	7	EACH
10X8-IN TEE	3	EACH
10X10-IN TEE	5	EACH
ANODE	7	EACH

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.



*ESTIMATE OF REUSED AND SALVAGED MATERIALS

DESCRIPTION	QUANTITY	UNIT
5-IN HYDRANT	1	RELOCATE

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

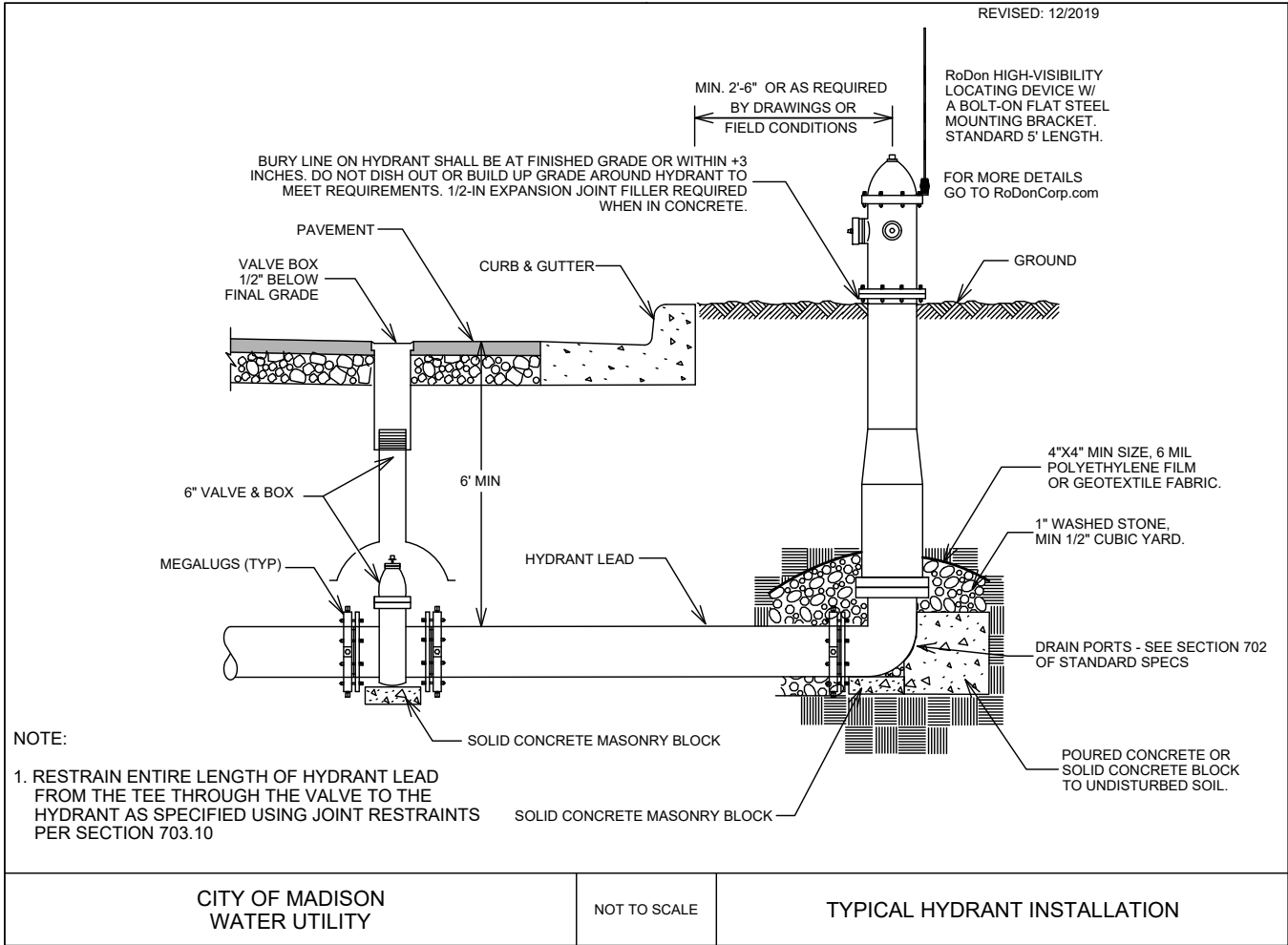


WATER UTILITY ULO SCHEDULE				
ULO	UTILITY	STATION	OFFSET	SHEET
1	WATER	108+04	8.0 RT	W-2
2	WATER	207+02	8.1 LT	W-5
3	WATER	207+74	8.2 LT	W-5

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.

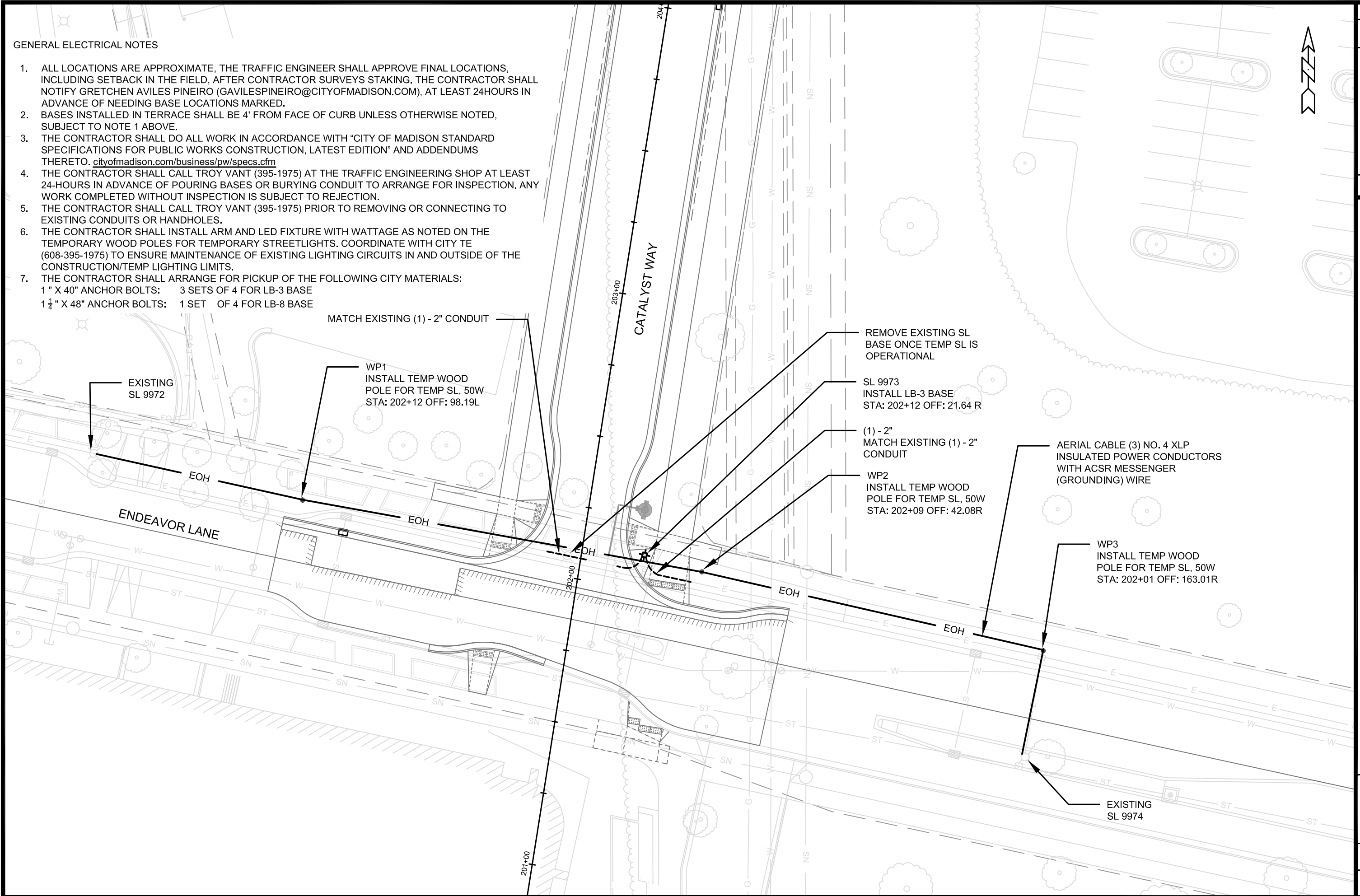
PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04
REVISED: 12/2019



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 GRETCHEN AVILES PINEIRO (GAVILESPINEIRO@CITYOFMADISON.COM), AT LEAST 24HOURS 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, LATEST EDITION" AND ADDENDUMS THERETO. cityofmadison.com/business/pw/specs.cfm
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 CALL TROY VANT (395-1975) PRIOR TO REMOVING OR CONNECTING TO EXISTING CONDUITS OR HANDHOLES.
6. THE CONTRACTOR SHALL INSTALL ARM AND LED FIXTURE WITH WATTAGE AS NOTED ON THE TEMPORARY WOOD POLES FOR TEMPORARY STREETLIGHTS. COORDINATE WITH CITY TE (608-395-1975) TO ENSURE MAINTENANCE OF EXISTING LIGHTING CIRCUITS IN AND OUTSIDE OF THE CONSTRUCTION/TEMP LIGHTING LIMITS.
7. THE CONTRACTOR SHALL ARRANGE FOR PICKUP OF THE FOLLOWING CITY MATERIALS:
1" X 40" ANCHOR BOLTS: 3 SETS OF 4 FOR LB-3 BASE
1 1/4" X 48" ANCHOR BOLTS: 1 SET OF 4 FOR LB-8 BASE



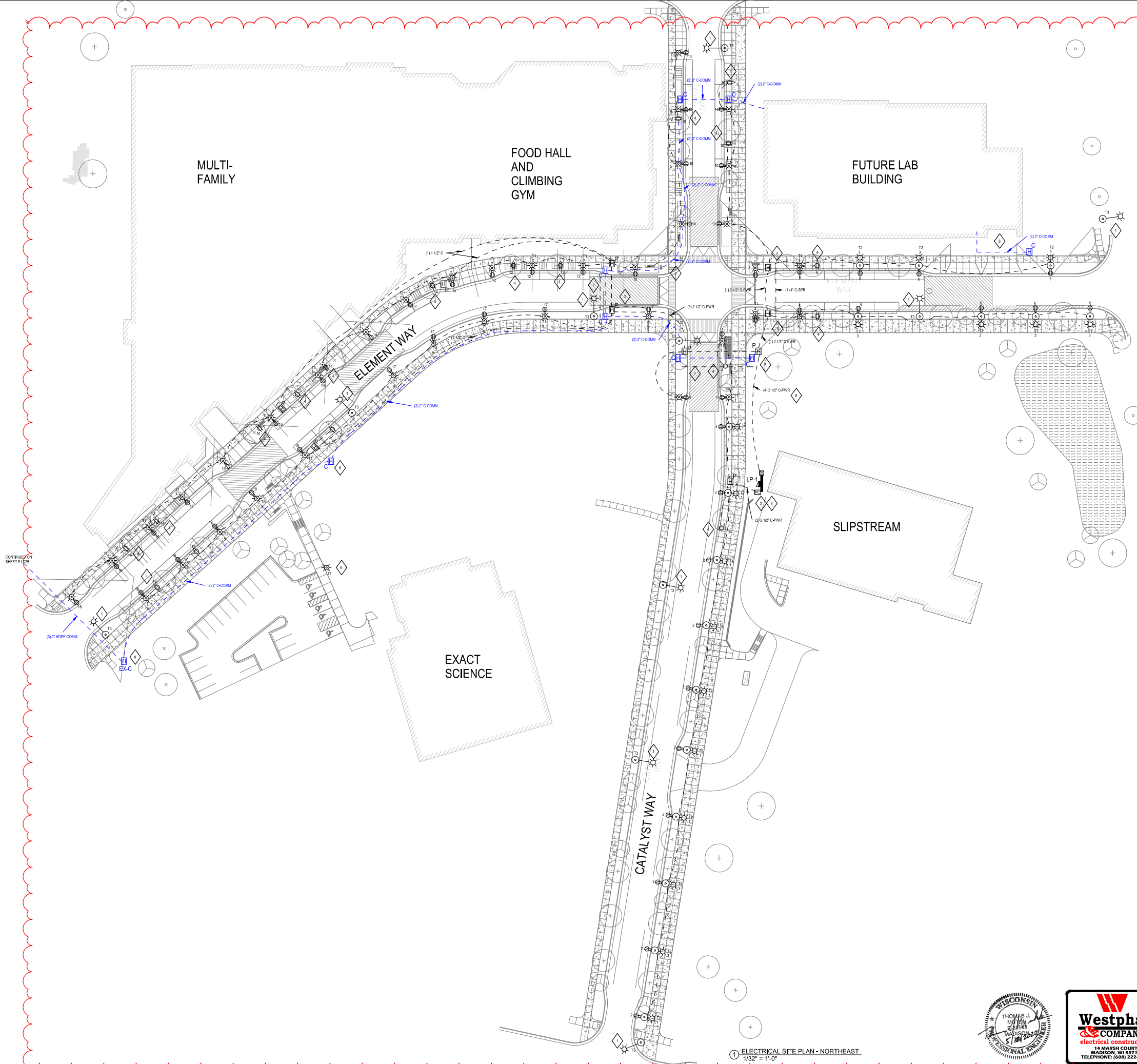
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13355		6/30/2022 4:13 PM	

13355
MADISON, WI
9003
CONTRACT NO:

ELECTRICAL PLAN
UNIVERSITY REASEARCH PARK - ELEMENT COLLECTIVE
\\Gisserver\data\DESIGN\Projects\13355\CAD\Traffic\13355TE-Electrical.dwg



13355
E-1



① ELECTRICAL SITE PLAN - NORTHEAST
1/32" = 1'-0"



GENERAL NOTES

PLAN NOTES

ELEMENT DISTRICT - SITE IMPROVEMENTS

510 CHARMANY DRIVE, SUITE 250
MADISON, WI 53719

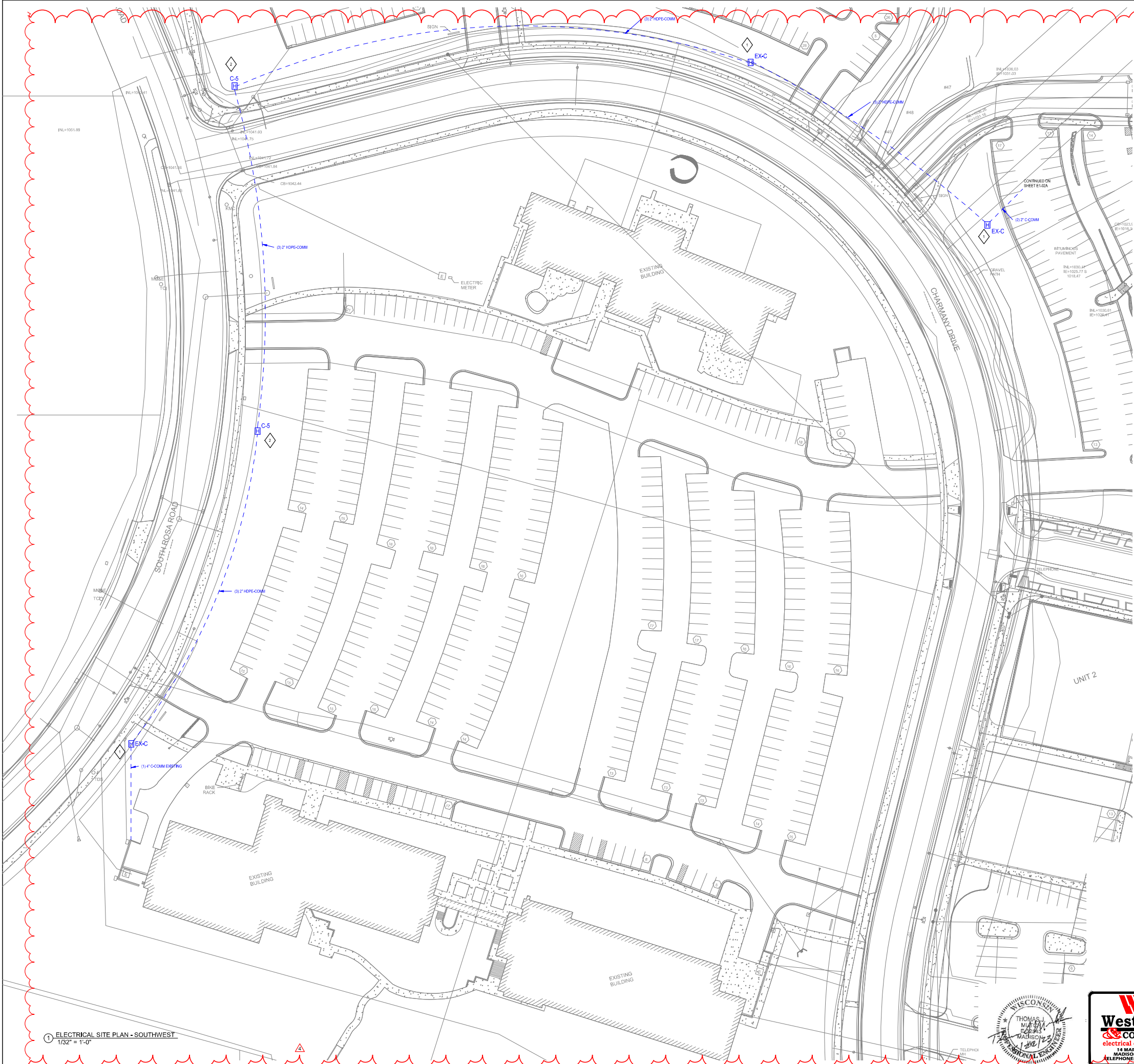
44 E MIFFLIN STREET
SUITE #500
MADISON, WI 53703
608.251.1177
smithgroup.com

STAMP

ISSUE

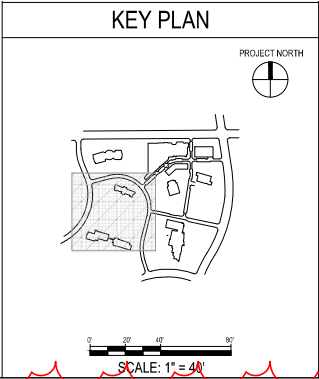
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E1.02A



- GENERAL NOTES**
1. ELECTRICAL EQUIPMENT TO BE INSTALLED OUTSIDE OF RIGHT-OF-WAY, EXCEPT AT STREET CROSSINGS.
 2. PERFORM ALL INSTALLATION WORK FOR NEW EXTERIOR TELECOMMUNICATIONS PATHWAY IN A NEAT AND WORKMANLIKE MANNER.
 3. EXAMINE AREAS AND CONDITIONS UNDER WHICH THE NEW TELECOMMUNICATIONS PATHWAYS ARE TO BE INSTALLED.
 4. LOCATE AND EXPOSE ALL UTILITIES, AS NECESSARY, PRIOR TO CONSTRUCTION.
 5. MAINTAIN 12 INCH CLEARANCE FROM ALL UTILITIES.
 6. A MINIMUM OF 24-INCH DEPTH OF COVER IS REQUIRED ABOVE THE TOP OF ALL CONDUITS.
 7. ELECTRICAL RACEWAYS ARE SCHEMATIC IN NATURE TO REPRESENT GENERAL ROUTING. FIELD COORDINATE EXACT RACEWAY LOCATIONS WITH ALL OTHER SITE UTILITIES.

- PLAN NOTES**
- ◇ EXISTING URP COMMUNICATION HANDHOLE. PROVIDE NEW RACEWAYS INTO HANDHOLE AS INDICATED ON PLAN.
 - ◇ NEW URP COMMUNICATIONS HANDHOLE. REFER TO SHEET E1.03 DETAIL 3 FOR DETAILS.



ELEMENT DISTRICT - SITE IMPROVEMENTS

510 CHARMANY DRIVE, SUITE 250
MADISON, WI 53719

\\Tryba_Logo_color.png

SMITHGROUP

44 E MIFFLIN STREET
SUITE #500
MADISON, WI 53703
608.251.1177
smithgroup.com

STAMP:

ISSUE

NO.	DATE	DESCRIPTION
3	5/19/2023	ELEC. REVISION #01
4	7/14/2023	ELEC. REVISION #02

PROJECT NO.

12748

DATE:

6/30/2021

ELEMENT DISTRICT -
SITE IMPROVEMENTS

E1.02B

DRAWING TITLE:

ELECTRICAL SITE PLAN

1 ELECTRICAL SITE PLAN - SOUTHWEST
1/32" = 1'-0"

GENERAL NOTES

1. ALL CONDUIT, WIRING, AND CONTROLS PER CITY OF MADISON STANDARD SPECIFICATIONS.
2. PROVIDE DIGITAL ASTRONOMIC TIME CLOCK CONTROL FOR RECEPTACLES WITH RELAY QUANTITY AS REQUIRED.
3. PROVIDE DIGITAL ASTRONOMIC TIME CLOCK CONTROL WITH PHOTOCELL FOR LIGHT TYPE 1 AND 2 FIXTURES WITH RELAY QUANTITY AS REQUIRED.
4. PROVIDE ELECTRICAL EQUIPMENT ENCLOSURE WITH 200A, 120/240V PANELBOARD AND LIGHTING CONTROLS AS A SINGLE UL LISTED ASSEMBLY.
5. LIMIT VOLTAGE DROP TO 3% FROM PANEL.
6. PROVIDE (2) #6, #10G FOR ALL LIGHTING CIRCUITS.
7. ALL RECEPTACLE CIRCUITS SHALL BE (2) #4, #6G EXCEPT FOR CIRCUIT #4. CIRCUIT #4 SHALL BE (2) #6, #6G.
8. CONDUITS SHALL BE 1" IN SIZE UNLESS NOTED OTHERWISE.
9. ELECTRICAL EQUIPMENT TO BE INSTALLED IN RIGHT-OF-WAY, UNLESS NOTED OTHERWISE.
10. ELECTRICAL RACEWAYS ARE SCHEMATIC IN NATURE TO REPRESENT GENERAL ROUTING. FIELD COORDINATE EXACT RACEWAY LOCATIONS WITH ALL OTHER SITE UTILITIES.

PLAN NOTES

- ◇ CITY OF MADISON LIGHT POLE. ALL WORK ASSOCIATED WITH LIGHT POLE (LIGHT POLE, BASE, CONDUIT, WIRING, TRENCHING, ETC.) TO BE PERFORMED BY MOBE AND CITY OF MADISON.
- ◇ NEW ELECTRICAL SERVICE CONSISTING OF A UTILITY METER SOCKET, PANELBOARD WITH INTEGRATED LIGHTING CONTROLS. PANELBOARD SHALL BE EATON POW-R-COMMAN PANEL OR EQUAL.
- ◇ PROVIDE HANDHOLE IN GREEN SPACE BETWEEN CURB AND SIDEWALK. HANDHOLE SHALL BE QUARTZITE CAT.# PC1212280124 OR EQUAL.
- ◇ PROVIDE WEATHERPROOF DUPLEX RECEPTACLE WITH METAL WHEEL-IN-USE COVER AS INDICATED. PROVIDE ATTACHMENT TO PLANTER WALL/CURB, TREE GRATE, OR STAINLESS STEEL STAKE FOR EACH BOX. LOCATE SO NOT IN LINE OF SIGHT FROM WALKWAY. PROVIDE RGS CONDUIT WHERE EXPOSED.
- ◇ LIGHT POLE TO BE FED FROM EXACT SCIENCE BUILDING SITE LIGHTING CIRCUIT.
- ◇ UNDERGROUND CONDUIT BELOW ROADWAY CONSIST OF (2) 2 1/2" C-PWR, (2) 4" C-COMM.
- ◇ ELECTRICAL EQUIPMENT TO BE INSTALLED OUTSIDE OF RIGHT-OF-WAY.

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Westphal
COMPANY
electrical construction
MADISON, WI 53718
TELEPHONE (608) 272-9195

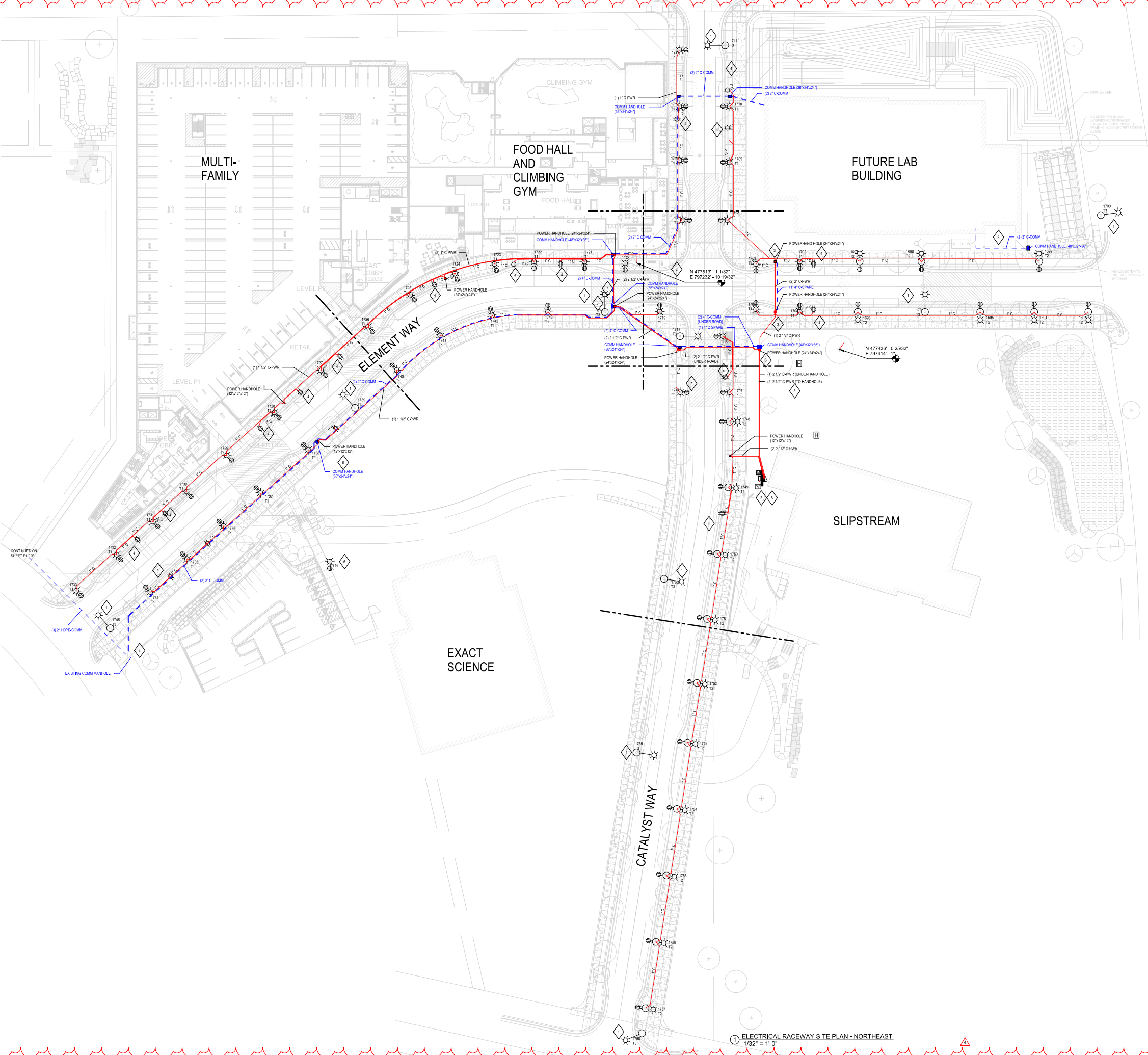
GMP URP ELEMENT LABS
ROADWAY LIGHTING PROJECT

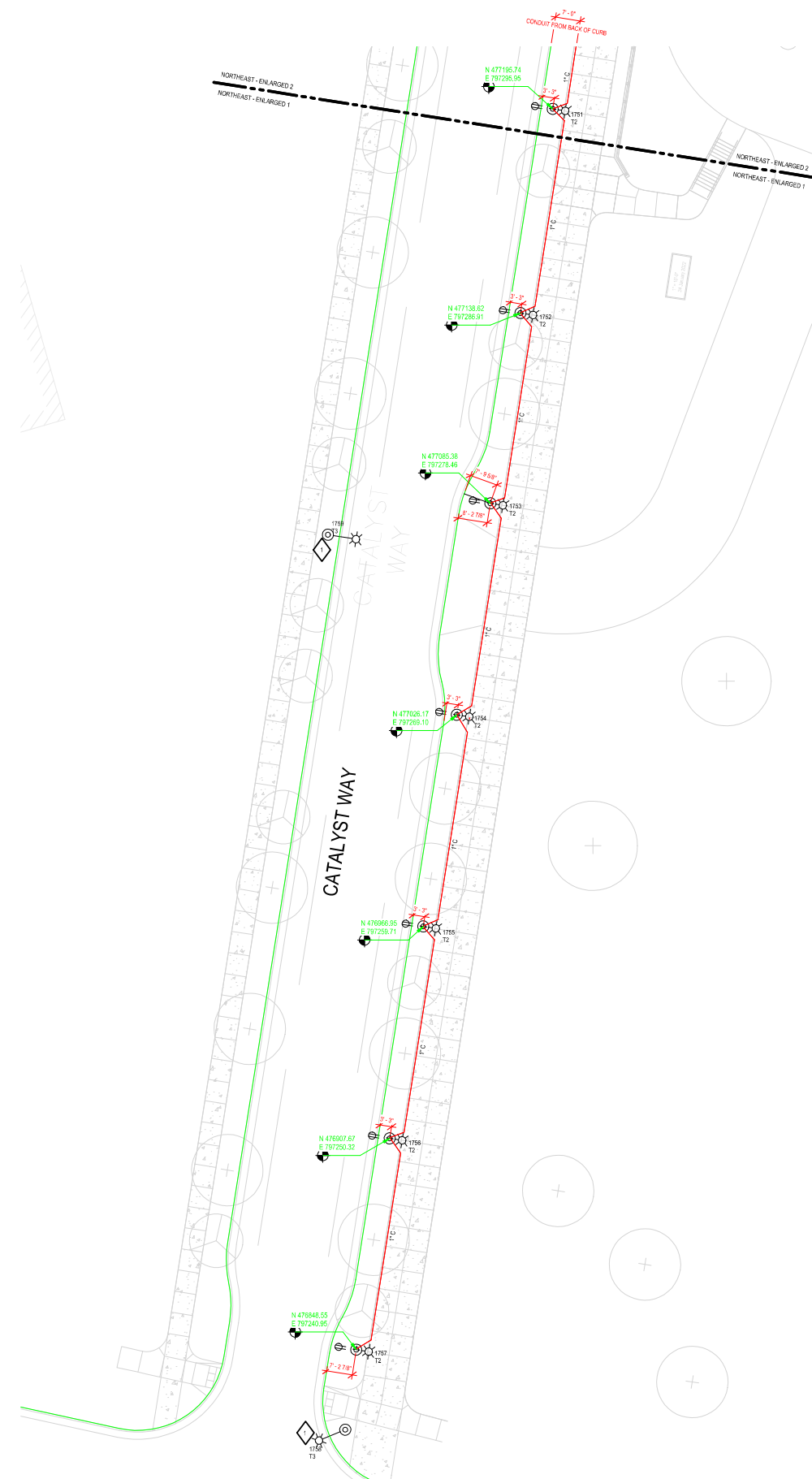
Rev.	Description	Date
1	ISSUED FOR BIDDING	7/14/23

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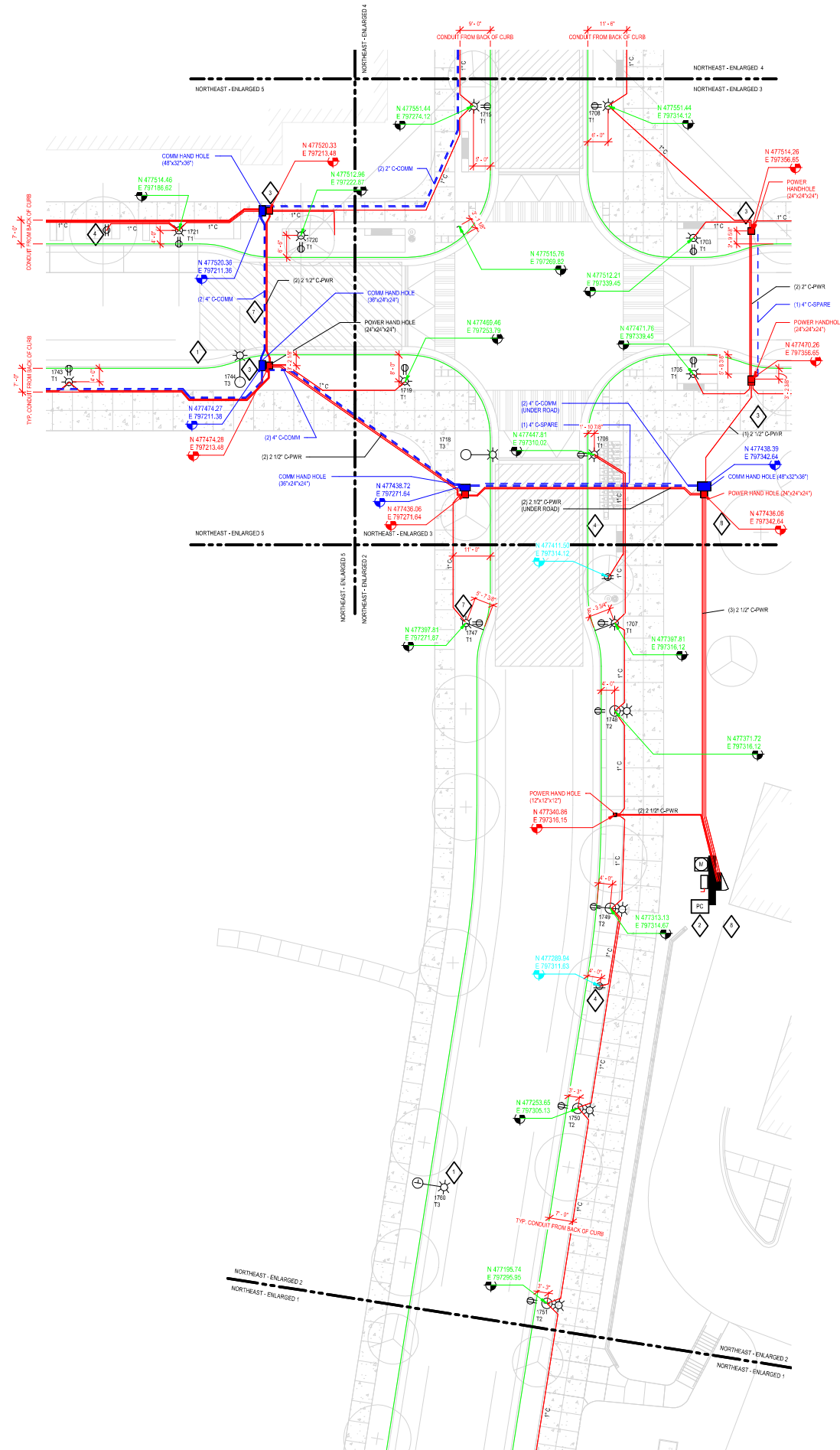
Drawn/Designed By: Job No. 2240022
Westphal & Company Inc.
1/32" = 1'-0"
Date: 06/06/23
ELECTRICAL RACEWAY SITE PLAN - NORTHEAST

Sheet: E1.04





1 ELECTRICAL RACEWAY SITE PLAN - NORTHEAST - ENLARGED 1
1/16" = 1'-0"



2 ELECTRICAL RACEWAY SITE PLAN - NORTHEAST - ENLARGED 2
1/16" = 1'-0"

GENERAL NOTES

1. ALL CONDUIT, WIRING, AND CONTROLS PER CITY OF MADISON STANDARD SPECIFICATIONS.
2. PROVIDE DIGITAL ASTRONOMIC TIME CLOCK CONTROL FOR RECEPTACLES WITH RELAY QUANTITY AS REQUIRED.
3. PROVIDE DIGITAL ASTRONOMIC TIME CLOCK CONTROL WITH PHOTOCELL FOR LIGHT TYPE 1 AND 2 FIXTURES WITH RELAY QUANTITY AS REQUIRED.
4. PROVIDE ELECTRICAL EQUIPMENT ENCLOSURE WITH 200A, 120/240V PANELBOARD AND LIGHTING CONTROLS AS A SINGLE UL LISTED ASSEMBLY.
5. LIMIT VOLTAGE DROP TO 3% FROM PANEL.
6. PROVIDE (2) #6 FOR ALL LIGHTING CIRCUITS.
7. ALL RECEPTACLE CIRCUITS SHALL BE (2) #4, #6G EXCEPT FOR CIRCUIT #4. CIRCUIT #4 SHALL BE (2) #6, #6G.
8. CONDUITS SHALL BE 1" IN SIZE UNLESS NOTED OTHERWISE.
9. ELECTRICAL EQUIPMENT TO BE INSTALLED IN RIGHT-OF-WAY UNLESS NOTED OTHERWISE.
10. ELECTRICAL RACEWAYS ARE SCHEMATIC IN NATURE TO REPRESENT GENERAL ROUTING. FIELD COORDINATE EXACT RACEWAY LOCATIONS WITH ALL OTHER SITE UTILITIES.

PLAN NOTES

- ◇ CITY OF MADISON LIGHT POLE. ALL WORK ASSOCIATED WITH LIGHT POLE (LIGHT POLE, BASE, CONDUIT, WIRING, TRENCHING, ETC.) TO BE PERFORMED BY MOBE AND CITY OF MADISON.
- ◇ NEW ELECTRICAL SERVICE CONSISTING OF A UTILITY METER SOCKET, PANELBOARD WITH INTEGRATED LIGHTING CONTROLS. PANELBOARD SHALL BE EATON POW-R-COMMAN PANEL OR EQUAL.
- ◇ PROVIDE HANDHOLE IN GREEN SPACE BETWEEN CURB AND SIDEWALK. HANDHOLE SHALL BE QUARTZITE CAT.# PC1212280124 OR EQUAL.
- ◇ PROVIDE WEATHERPROOF DUPLEX RECEPTACLE WITH METAL WIND-IN-USE COVER AS INDICATED. PROVIDE ATTACHMENT TO PLANTER WALL/CURB, TREE GRATE, OR STAINLESS STEEL STAKE FOR EACH BOX. LOCATE SO NOT IN LINE OF SIGHT FROM WALKWAY. PROVIDE RGS CONDUIT WHERE EXPOSED.
- ◇ LIGHT POLE TO BE FED FROM EXACT SCIENCE BUILDING SITE LIGHTING CIRCUIT.
- ◇ UNDERGROUND CONDUIT BELOW ROADWAY CONSIST OF (2) 2 1/2" C-PWR, (2) 4" C-COMM.
- ◇ ELECTRICAL EQUIPMENT TO BE INSTALLED OUTSIDE OF RIGHT-OF-WAY.

GMP URP ELEMENT LABS

ROADWAY LIGHTING PROJECT

Drawn/Designed By:	DATE:
WESTPHAL & COMPANY INC.	07/1/23

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Drawn/Designed By: Job No. 2240022

1/16" = 1'-0" 06/06/23

ELECTRICAL RACEWAY SITE PLAN - ENLARGED 1 & 2

Sheet: E1.04A

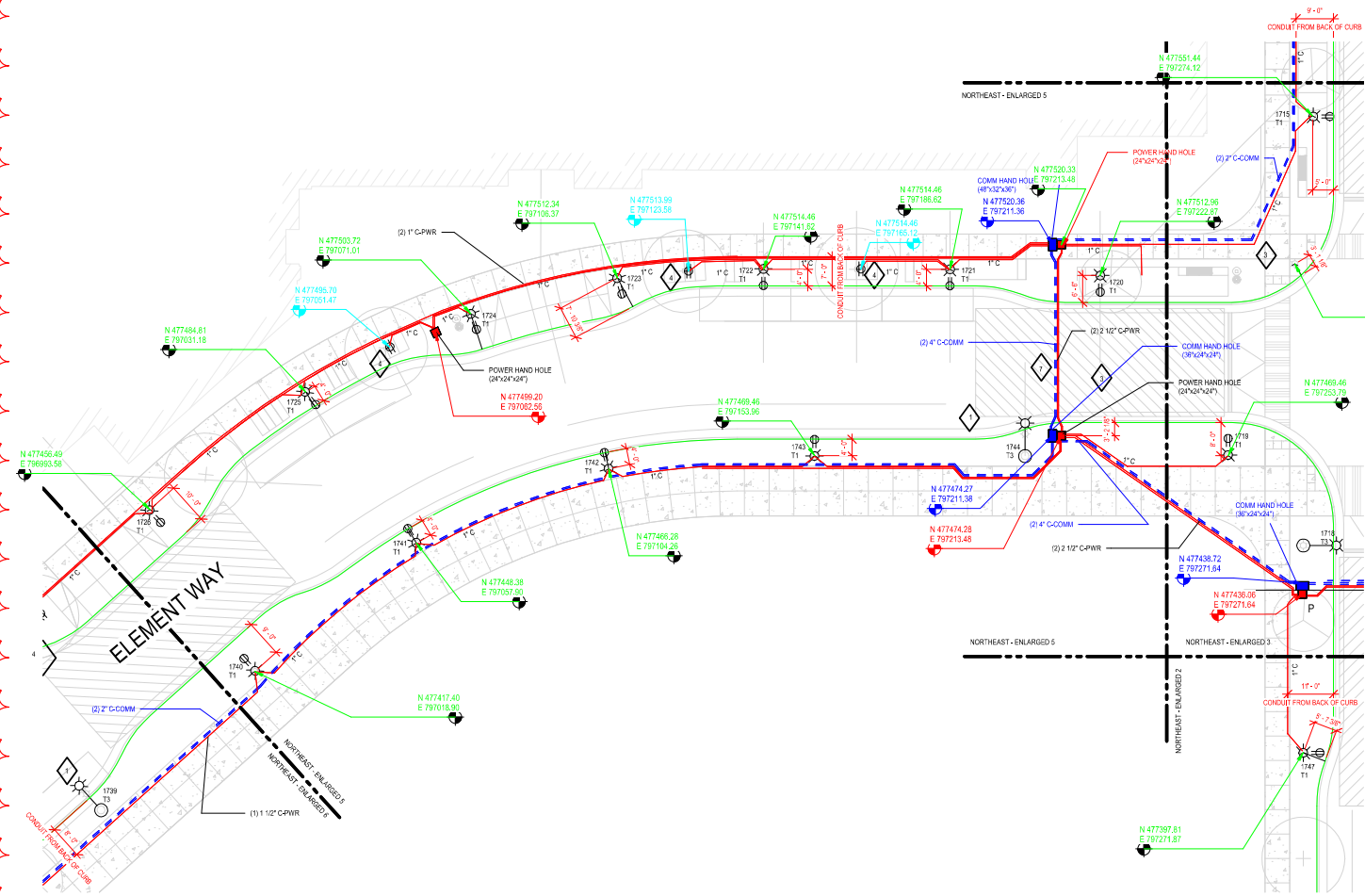
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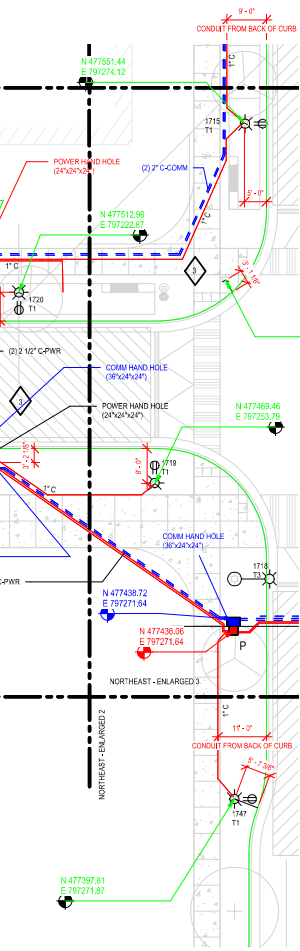




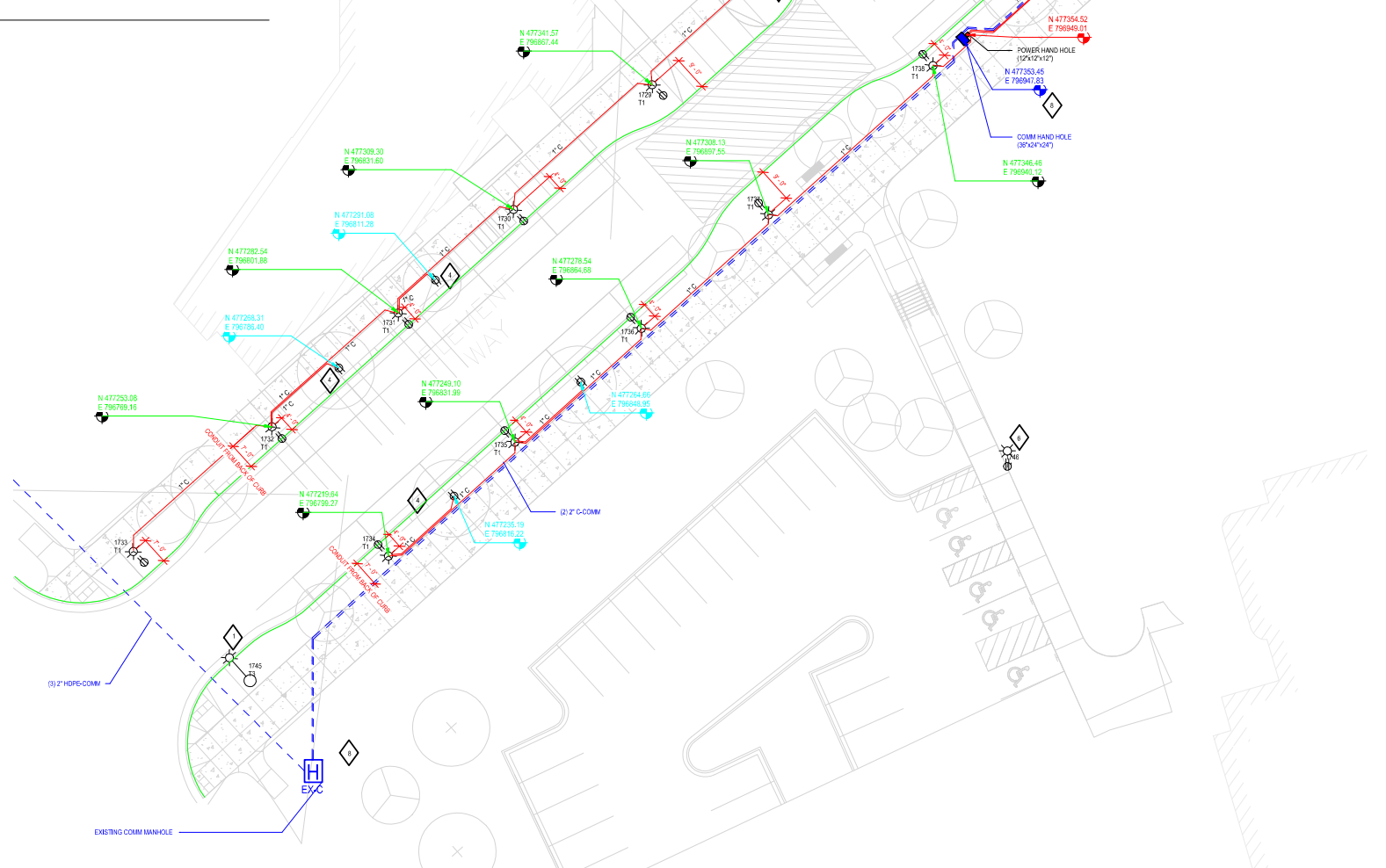
7/12/2023 5:32:00



1 ELECTRICAL RACEWAY SITE PLAN - NORTHEAST - ENLARGED 5
1/16" = 1'-0"



2 ELECTRICAL RACEWAY SITE PLAN - NORTHEAST - ENLARGED 6
1/16" = 1'-0"



- GENERAL NOTES**
1. ALL CONDUIT, WIRING, AND CONTROLS PER CITY OF MADISON STANDARD SPECIFICATIONS.
 2. PROVIDE DIGITAL ASTRONOMIC TIME CLOCK CONTROL FOR RECEPABLES WITH RELAY QUANTITY AS REQUIRED.
 3. PROVIDE DIGITAL ASTRONOMIC TIME CLOCK CONTROL WITH PHOTOCELL FOR LIGHT TYPE 1 AND 2 FIXTURES WITH RELAY QUANTITY AS REQUIRED.
 4. PROVIDE ELECTRICAL EQUIPMENT ENCLOSURE WITH 200A, 120/240V PANELBOARD AND LIGHTING CONTROLS AS A SINGLE UL LISTED ASSEMBLY.
 5. LIMIT VOLTAGE DROP TO 3% FROM PANEL.
 6. PROVIDE (2) #8, #10G FOR ALL LIGHTING CIRCUITS.
 7. ALL RECEPABLE CIRCUITS SHALL BE (2) #4, #6G EXCEPT FOR CIRCUIT #4. CIRCUIT #4 SHALL BE (2) #6, #8G.
 8. CONDUITS SHALL BE 1" IN SIZE UNLESS NOTED OTHERWISE.
 9. ELECTRICAL EQUIPMENT TO BE INSTALLED IN RIGHT-OF-WAY, UNLESS NOTED OTHERWISE.
 10. ELECTRICAL RACEWAYS ARE SCHEMATIC IN NATURE TO REPRESENT GENERAL ROUTING. FIELD COORDINATE EXACT RACEWAY LOCATIONS WITH ALL OTHER SITE UTILITIES.

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 - ◇ PROVIDE WEATHERPROOF DUPLEX RECEPTACLE WITH METAL WHILE-IN-USE COVER AS INDICATED. PROVIDE ATTACHMENT TO PLANTER WALL/CURB, TREE GRATE, OR STAINLESS STEEL STAKE FOR EACH BOX. LOCATE SO NOT IN LINE OF SIGHT FROM WALKWAY. PROVIDE RGS CONDUIT WHERE EXPOSED.
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GMP URP ELEMENT LABS
ROADWAY LIGHTING PROJECT

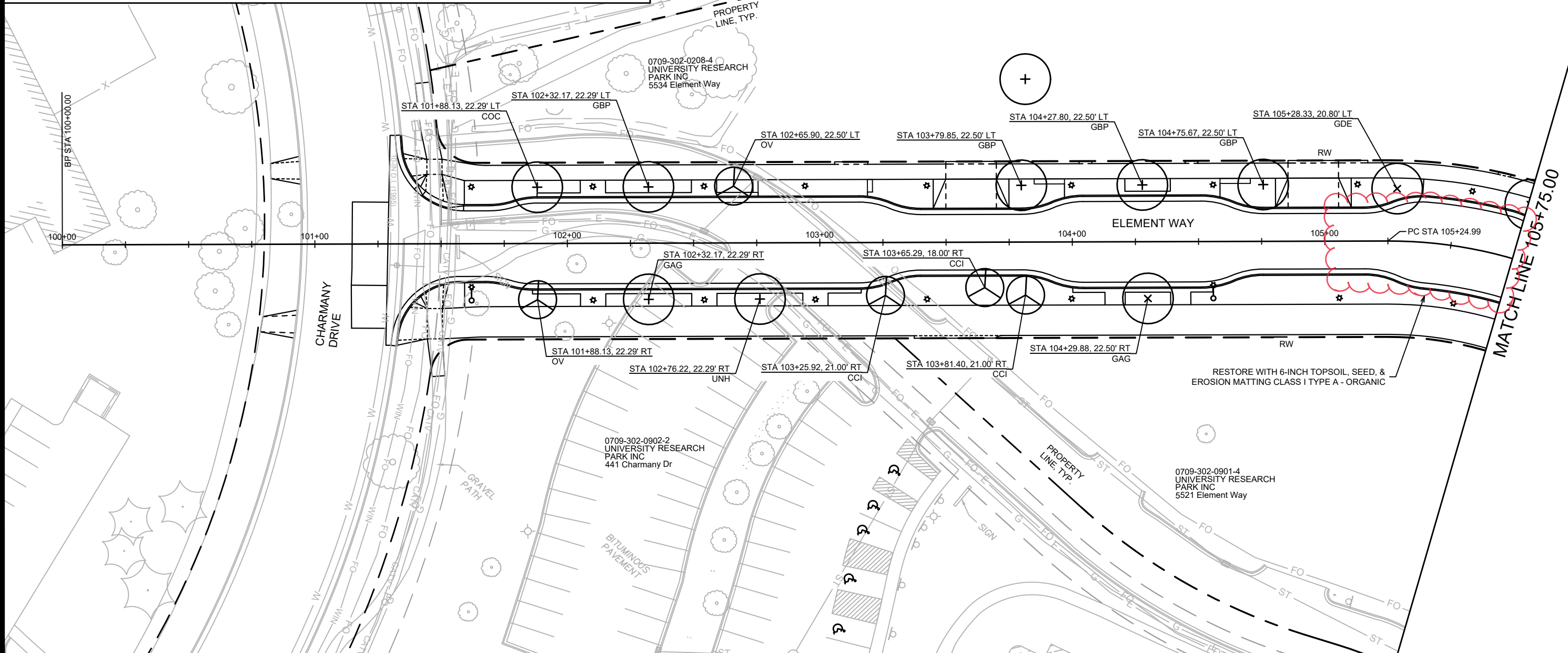
Drawn/Designed By	Job No.
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Autodesk Docs\R22_URP ELEMENT DISTRICT FIBER\R22_240022 ROADWAY LIGHTING PROJECT_WESTPHAL

NOTES

1. CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF THE STREET TREE(S). THIS MAY REQUIRE USING SMALLER EQUIPMENT AND LOADING AND UNLOADING MATERIALS IN A DESIGNATED SPACE AWAY FROM TREES ON THE CONSTRUCTION SITE. ANY DAMAGE OR INJURY TO EXISTING STREET TREES (EITHER ABOVE OR BELOW GROUND) SHALL BE REPORTED IMMEDIATELY TO CITY FORESTRY AT 266-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
2. AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY (266-4816) PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: [HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM](https://www.cityofmadison.com/business/pw/specs.cfm) ON THIS PROJECT, STREET TREE PROTECTION ZONE FENCING IS REQUIRED. THE FENCING SHALL BE ERCTED BEFORE THE DEMOLITION, GRADING OR CONSTRUCTION BEGINS. THE FENCE SHALL INCLUDE THE ENTIRE WIDTH OF TERRACE AND, EXTEND AT LEAST 5 FEET ON BOTH SIDES OF THE OUTSIDE EDGE OF THE TREE TRUNK. DO NOT REMOVE THE FENCING TO ALLOW FOR DELIVERIES OR EQUIPMENT ACCESS THROUGH THE TREE PROTECTION ZONE.
3. STREET TREE PRUNING SHALL BE COORDINATED WITH MADISON FORESTRY AT A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT. ALL PRUNING SHALL FOLLOW THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 - PART 1 STANDARDS FOR PRUNING. SOIL SECTION 107.13(G) OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ADDRESSES SOIL COMPACTION NEAR STREET TREES AND SHALL BE FOLLOWED BY CONTRACTOR. THE STORAGE OF PARKED VEHICLES, CONSTRUCTION EQUIPMENT, BUILDING MATERIALS, REFUSE, EXCAVATED SPOILS OR DUMPING OF POISONOUS MATERIALS ON OR AROUND TREES AND ROOTS WITHIN FIVE (5) FEET OF THE TREE OR WITHIN THE PROTECTION ZONE IS PROHIBITED. ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.
4. CITY FORESTRY WILL ISSUE A STREET TREE REMOVAL PERMIT FOR 7 TREES: TWO TREES ALONG MINERAL POINT ROAD (12" & 17" LOCUST) DUE TO NEW ROAD AND FIVE TREES ALONG S. WHITNEY WAY WITH ONE DUE TO NEW ROAD (32" LINDEN) AND FOUR DUE TO NEW 12" SANITARY INSTALLATION UNDER SIDEWALK (19" LINDEN, 15" LINDEN, 17" LINDEN, & 5" COFFEETREE).
5. CONTRACTOR SHALL CONTACT CITY FORESTRY AT (608) 266-4816 TO SCHEDULE INSPECTION AND APPROVAL OF NURSERY TREE STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER AT LEAST ONE WEEK PRIOR TO STREET TREE PLANTING.



REV#1	UPDATE BACKGROUND	7/26/23	AJZ
DATE	TIME	BY	
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MARK	REVISION	DATE	BY
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13355	MADISON, WI	CONTRACT NO: 9003
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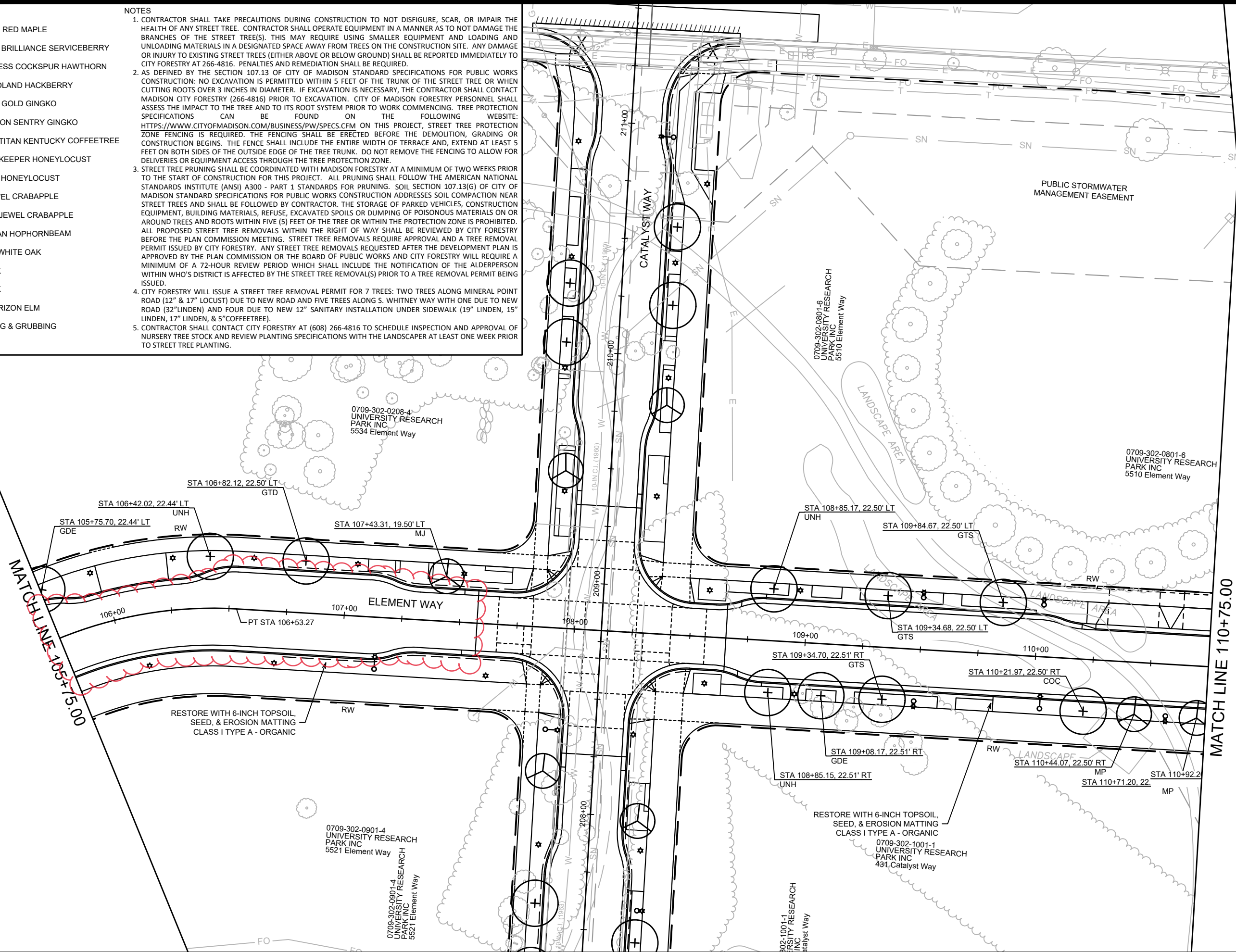
ELEMENT WAY LANDSCAPING PLAN
UNIVERSITY REASEARCH PARK - ELEMENT COLLECTIVE



13355
L-1

AFM	MORGAN RED MAPLE
AGA	AUTUMN BRILLIANCE SERVICEBERRY
CCI	THORNLESS COCKSPUR HAWTHORN
COC	CHICAGOLAND HACKBERRY
GAG	AUTUMN GOLD GINGKO
GBP	PRINCETON SENTRY GINGKO
GDE	PRAIRIE TITAN KENTUCKY COFFEETREE
GTD	STREET KEEPER HONEYLOCUST
GTS	SKYLINE HONEYLOCUST
MJ	RED JEWEL CRABAPPLE
MP	PRAIRIE JEWEL CRABAPPLE
OV	AMERICAN HOPHORNBEAM
QB	SWAMP WHITE OAK
QM	BUR OAK
QR	RED OAK
UNH	NEW HORIZON ELM
X	CLEARING & GRUBBING

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REV/4	UPDATE BACKGROUND	7/26/23	AJZ
DATE	REVISION	DATE	BY
Date: 7/5/2023 10:16 AM	Scale: 1" = 40'	L-2	13355

MADISON, WI

CONTRACT NO:

UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE

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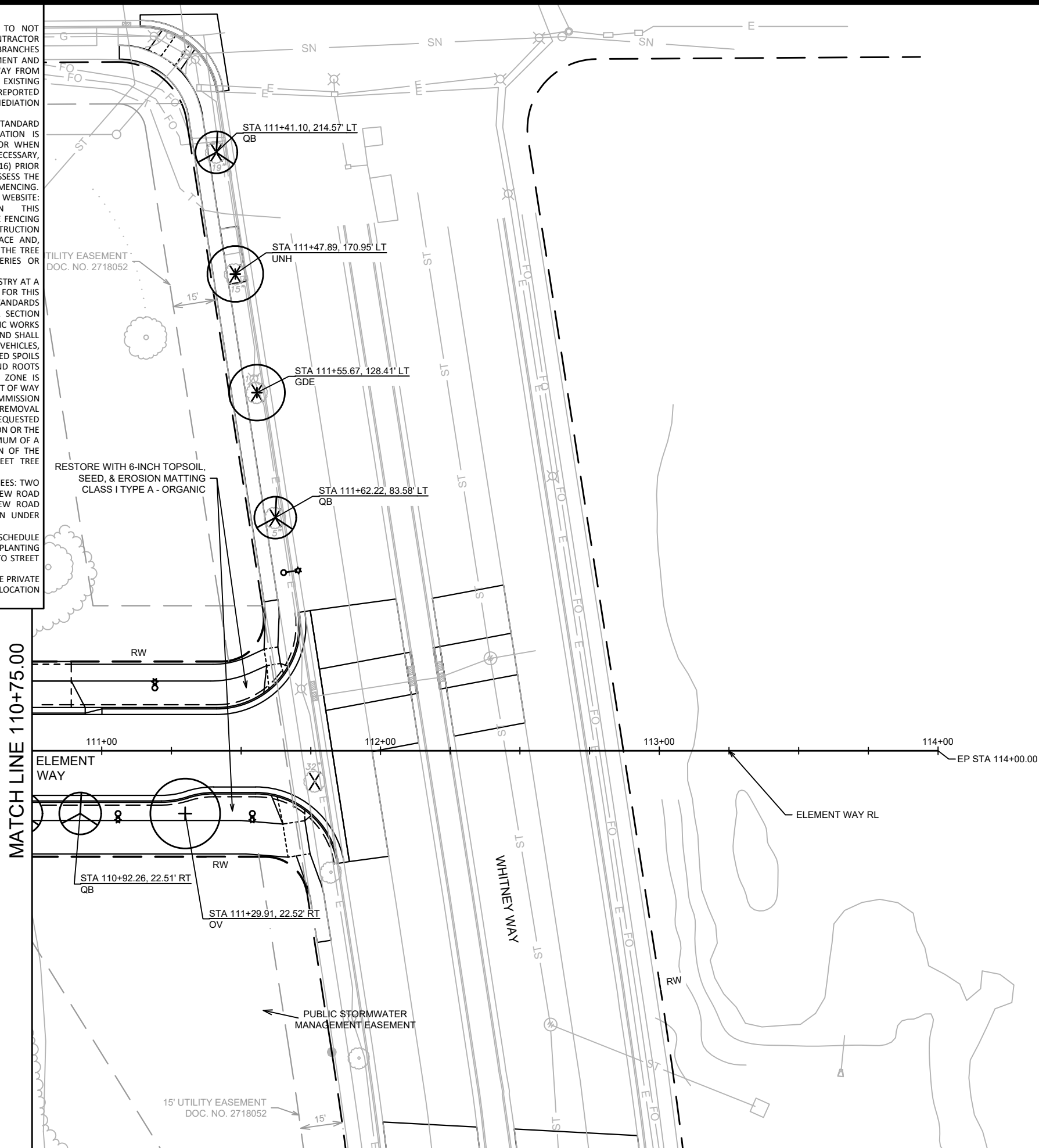


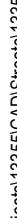
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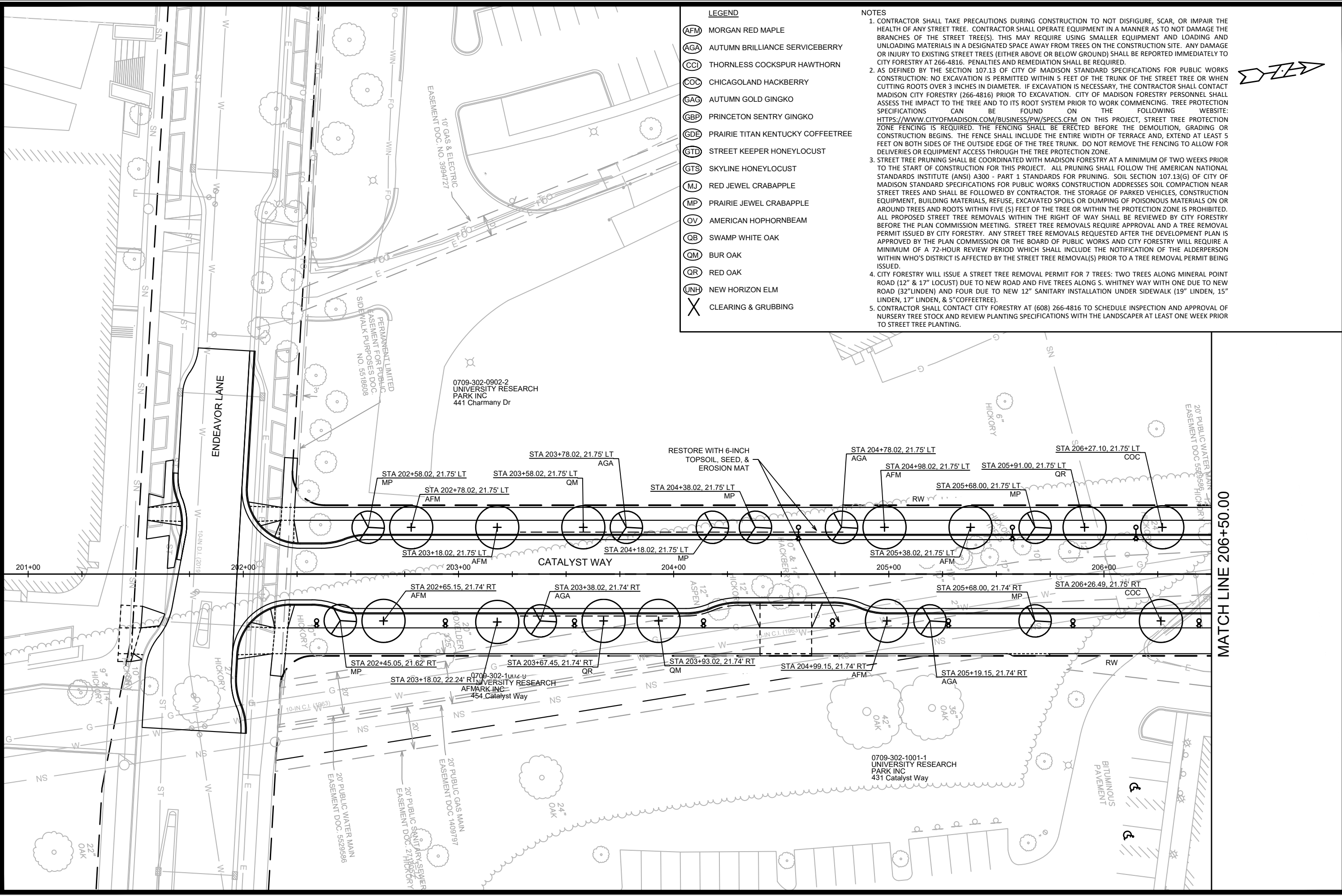
PROPERTY
INF. TYP.

(AFM)	MORGAN RED MAPLE
(AGA)	AUTUMN BRILLIANCE SERVICEBERRY
(CCI)	THORNLESS COCKSPUR HAWTHORN
(COC)	CHICAGOLAND HACKBERRY
(GAG)	AUTUMN GOLD GINGKO
(GBP)	PRINCETON SENTRY GINGKO
(GDE)	PRAIRIE TITAN KENTUCKY COFFEETREE
(GTD)	STREET KEEPER HONEYLOCUST
(GTS)	SKYLINE HONEYLOCUST
(MJ)	RED JEWEL CRABAPPLE
(MP)	PRAIRIE JEWEL CRABAPPLE
(OV)	AMERICAN HOPHORNBEAM
(QB)	SWAMP WHITE OAK
(QM)	BUR OAK
(QR)	RED OAK
(UNH)	NEW HORIZON ELM
X	CLEARING & GRUBBING

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6. TREE REPLACEMENTS ALONG WHITNEY WAY SHALL BE INSTALLED BY THE PRIVATE DEVELOPER PER THE DIRECTION OF CITY FORESTRY INCLUDING TREE LOCATION AND SPECIES TYPE.



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13355		L-3	
ELEMENT WAY LANDSCAPING PLAN		13355	
UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE		MADISON, WI	
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- LEGEND**
- (AFM) MORGAN RED MAPLE
 - (AGA) AUTUMN BRILLIANCE SERVICEBERRY
 - (CCI) THORNLESS COCKSPUR HAWTHORN
 - (COC) CHICAGOLAND HACKBERRY
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- CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF THE STREET TREE(S). THIS MAY REQUIRE USING SMALLER EQUIPMENT AND LOADING AND UNLOADING MATERIALS IN A DESIGNATED SPACE AWAY FROM TREES ON THE CONSTRUCTION SITE. ANY DAMAGE OR INJURY TO EXISTING STREET TREES (EITHER ABOVE OR BELOW GROUND) SHALL BE REPORTED IMMEDIATELY TO CITY FORESTRY AT 266-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
 - AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY (266-4816) PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: [HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM](https://www.cityofmadison.com/business/pw/specs.cfm) ON THIS PROJECT, STREET TREE PROTECTION ZONE FENCING IS REQUIRED. THE FENCING SHALL BE ERECTED BEFORE THE DEMOLITION, GRADING OR CONSTRUCTION BEGINS. THE FENCE SHALL INCLUDE THE ENTIRE WIDTH OF TERRACE AND, EXTEND AT LEAST 5 FEET ON BOTH SIDES OF THE OUTSIDE EDGE OF THE TREE TRUNK. DO NOT REMOVE THE FENCING TO ALLOW FOR DELIVERIES OR EQUIPMENT ACCESS THROUGH THE TREE PROTECTION ZONE.
 - STREET TREE PRUNING SHALL BE COORDINATED WITH MADISON FORESTRY AT A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT. ALL PRUNING SHALL FOLLOW THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 - PART 1 STANDARDS FOR PRUNING. SOIL SECTION 107.13(G) OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ADDRESSES SOIL COMPACTION NEAR STREET TREES AND SHALL BE FOLLOWED BY CONTRACTOR. THE STORAGE OF PARKED VEHICLES, CONSTRUCTION EQUIPMENT, BUILDING MATERIALS, REFUSE, EXCAVATED SPOILS OR DUMPING OF POISONOUS MATERIALS ON OR AROUND TREES AND ROOTS WITHIN FIVE (5) FEET OF THE TREE OR WITHIN THE PROTECTION ZONE IS PROHIBITED. ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.
 - CITY FORESTRY WILL ISSUE A STREET TREE REMOVAL PERMIT FOR 7 TREES: TWO TREES ALONG MINERAL POINT ROAD (12" & 17" LOCUST) DUE TO NEW ROAD AND FIVE TREES ALONG S. WHITNEY WAY WITH ONE DUE TO NEW ROAD (32" LINDEN) AND FOUR DUE TO NEW 12" SANITARY INSTALLATION UNDER SIDEWALK (19" LINDEN, 15" LINDEN, 17" LINDEN, & 5" COFFEETREE).
 - CONTRACTOR SHALL CONTACT CITY FORESTRY AT (608) 266-4816 TO SCHEDULE INSPECTION AND APPROVAL OF NURSERY TREE STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER AT LEAST ONE WEEK PRIOR TO STREET TREE PLANTING.



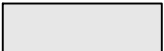
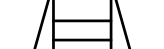
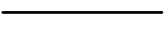
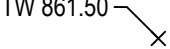
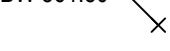
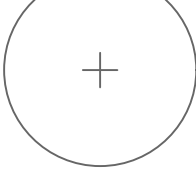
CATALYST WAY LANDSCAPING PLAN		13355
UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE		MADISON, WI
M:\DESIGN\Projects\13355\CAD\Streets\13355EN-Landscaping CatalystWay.dwg		9003
CONTRACT NO:		13355
Scale: 1" = 40'		L-4

13355

L-4

FILE: C:\Users\nhilmer\SmithGroup Companies Inc\PRJ - 12748 - SmithGroup\CAD\06 Landscape\12748-L1.01_element.dwg USER: nhilmer DATE: May, 05 2022 TIME: 02:29 pm

LEGEND

	PROPERTY LINE
	ASPHALT PAVEMENT
	CONCRETE PAVEMENT
	VEHICULAR CONCRETE PAVEMENT
	CURB RAMP
	CONCRETE UNIT PAVERS
	CURB AND GUTTER
	CONTROL JOINT
	TRASH RECEPTACLE
	RECYCLING RECEPTACLE
	TOP OF WALL ELEVATION
	BOTTOM OF WALL ELEVATION
	PLANTING AREA
	EXISTING TREE TO REMAIN
	PROPOSED SHADE TREE
	PROPOSED ORNAMENTAL TREE
	LIGHT TYPE 1 - PEDESTRIAN
	LIGHT TYPE 2 - MULTIUSE TRAIL
	LIGHT TYPE 3 - STREET LIGHT (FINAL LOCATIONS PER MG+E)

KEYED NOTES

BIKE RACKS	
B CYCLE STATION - BY OTHERS	
STEEL PLANTER WALL	 
STONE SEATWALL	
STONE SEATWALL WITH BENCH	
TREE GRATE	 

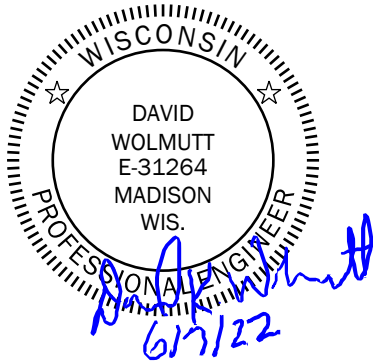
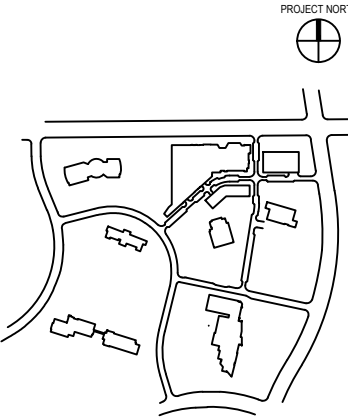
GENERAL NOTES

1. L-SERIES SHEETS INCLUDE LAYOUT, MATERIAL, AND DETAIL INFORMATION FOR IMPROVEMENTS BETWEEN BACK-OF-CURB AND EDGE-OF-ROW. REFER TO CITY OF MADISON SHEETS FOR VEHICULAR IMPROVEMENTS AND UTILITIES WITHIN THE RIGHT-OF-WAY.
2. IMPROVEMENTS OUTSIDE OF THE PUBLIC WAY ARE INDICATED FOR REFERENCE ONLY.
3. REFER TO CITY OF MADISON SHEETS FOR LOCATIONS OF IMPROVEMENTS RELATIVE TO STATION LINES.
4. CURB RAMPS AND DETECTABLE WARNING FIELDS PER CITY OF MADISON STANDARD DETAIL DRAWINGS AND SPECIFICATIONS.
5. PROVIDE EXPANSION JOINTS PER CITY OF MADISON STANDARD SPECIFICATIONS. PROVIDE JOINTING PLAN FOR REVIEW AND APPROVAL
6. SEE 1/5.09 FOR TYPE 1 AND TYPE 2 LIGHT POLE FOOTING.

SMITHGROUP

44 EAST MIFFLIN STREET
SUITE 500
MADISON, WI 53703
608.251.1177
www.smithgroup.com

KEY PLAN



LEGEND AND NOTES

DRAWING TITLE

IFC

ISSUED WITH

DRAWING REFERENCE

DRAWING SCALE

06/07/2022

URP - ELEMENT
COLLECTIVE

PROJECT NAME

12748

PROJECT NUMBER

L2.00

DRAWING NUMBER

FILE: C:\Users\nhilmer\SmithGroup Companies Inc\PRJ - 12748 - SmithGroup\CAD\06 Landscape\12748-L1.01_element.dwg USER: nhilmer DATE: Jun, 14 2023 TIME: 08:18 am

CHARMANY DRIVE

PROPERTY LINE

TW 1039.05

TW 1035.41

BW 1037.60

BW 1034.03

BW 1037.50

PA

ST

ST

BW 1033.79

26'-1"

30'-0"

10"W

FG 1030.83

PA

BW 1031.07

BW 1031.82

FG 1031.85

PA

TW 1033.11

BW 1031.10

FG 1030.89

10"W

16'-0"

TRUE NORTH

10"W

22'-0"

10"W

4'

10"W

10"W

10"W

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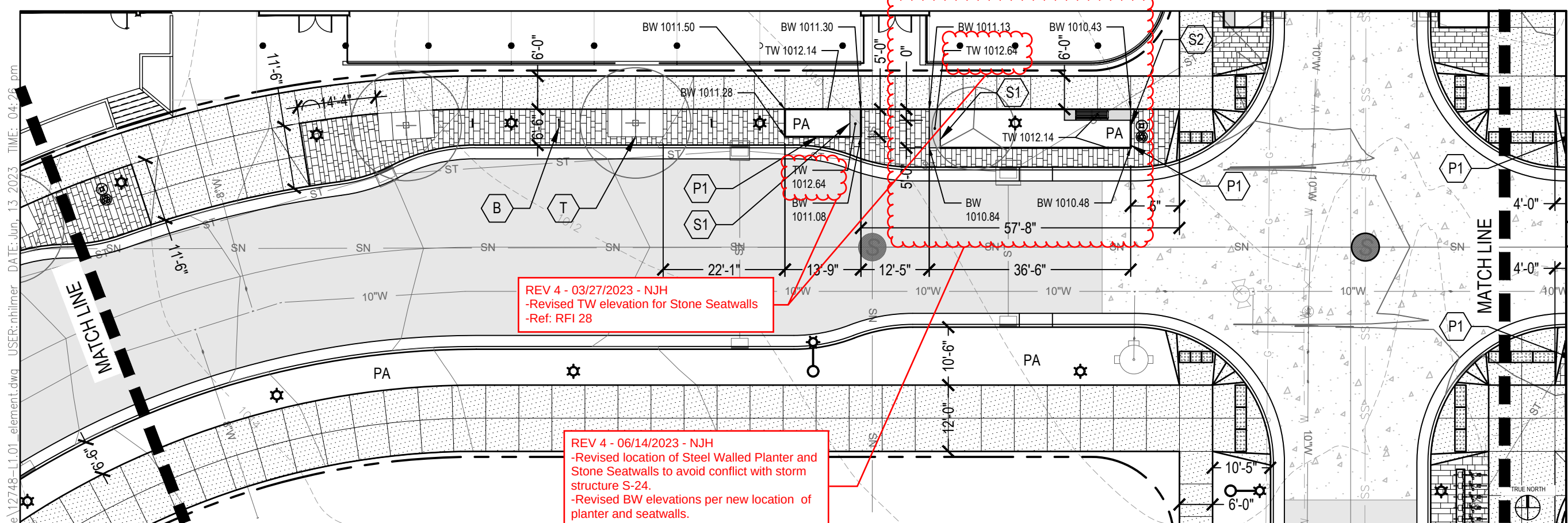
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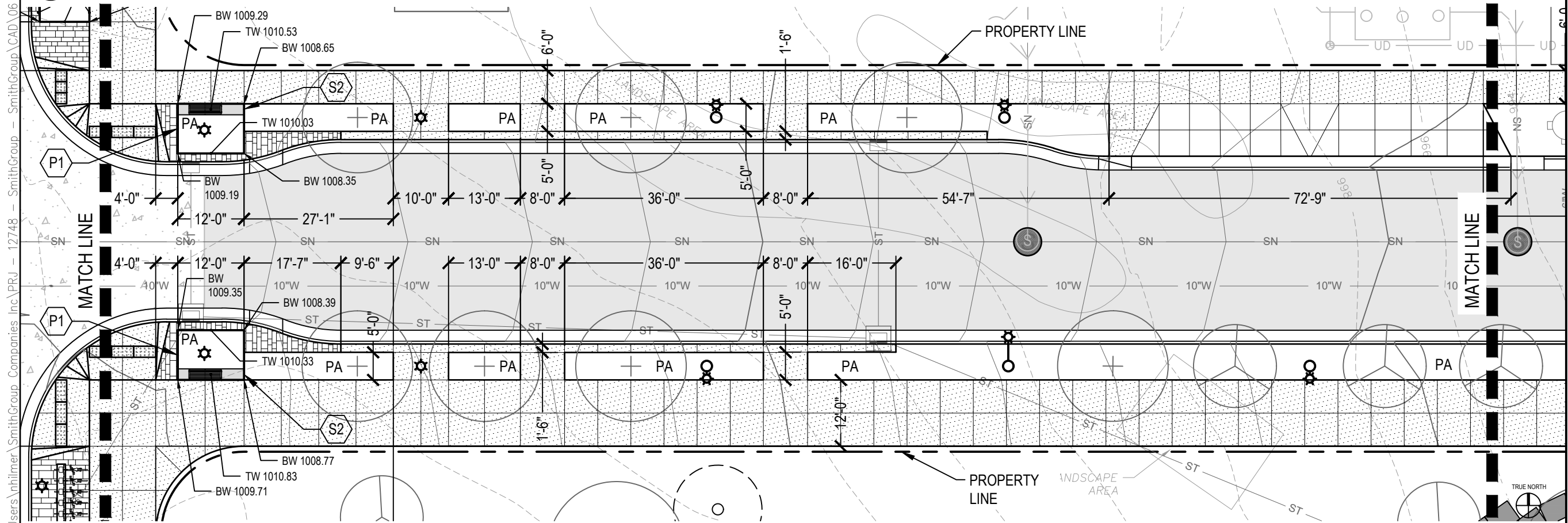
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1

ELEMENT WAY - LAYOUT AND MATERIALS PLAN 3

SCALE: 1" = 20'-0"

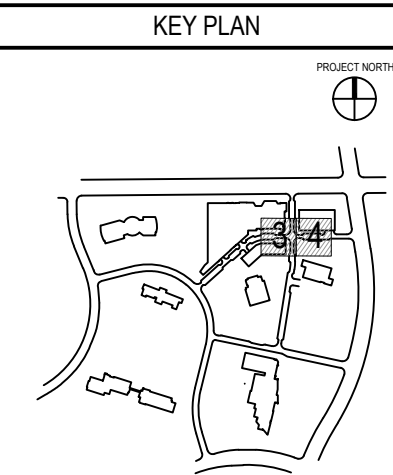


2

ELEMENT WAY - LAYOUT AND MATERIALS PLAN 4

SCALE: 1" = 20'-0"

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608.251.1177
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STREETSCAPE LAYOUT AND MATERIALS PLAN
DRAWING TITLE

IFC
ISSUED WITH

DRAWING REFERENCE

1" = 20'
DRAWING SCALE

06/07/2022
URP - ELEMENT COLLECTIVE
PROJECT NAME

12748
PROJECT NUMBER

L2.02
DRAWING NUMBER

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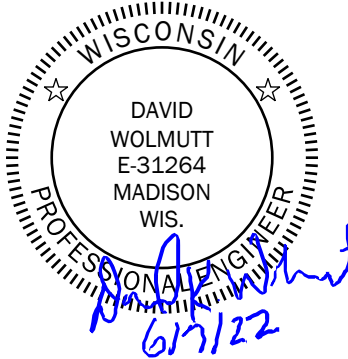
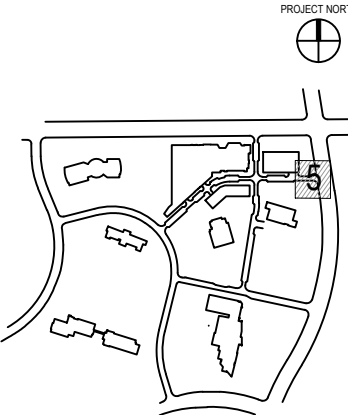
1 CATALYST WAY - LAYOUT AND MATERIALS PLAN 5

SCALE: 1" = 20'-0"

SMITHGROUP

44 EAST MIFFLIN STREET
SUITE 500
MADISON, WI 53703
608.251.1177
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KEY PLAN



STREETSCAPE LAYOUT AND MATERIALS PLAN

DRAWING TITLE

IFC

ISSUED WITH

DRAWING REFERENCE

1" = 20'

DRAWING SCALE

06/07/2022

URP - ELEMENT

COLLECTIVE

PROJECT NAME

12748

PROJECT NUMBER

L2.03

DRAWING NUMBER

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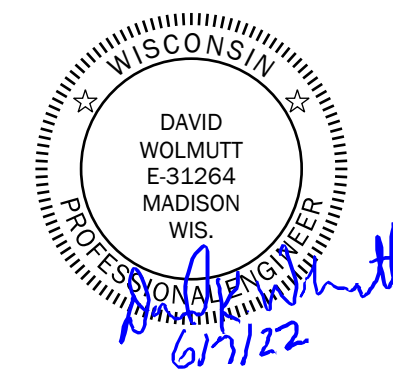
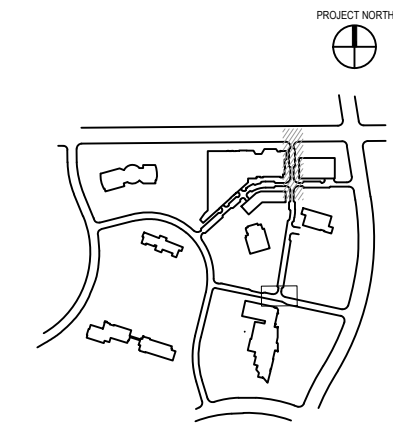
1 CATALYST WAY AT ENDEAVOR

SCALE: 1" = 20'-0"

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SUITE 500
MADISON, WI 53703
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KEY PLAN



STREETSCAPE LAYOUT AND MATERIALS PLAN

IFC
ISSUED WITH

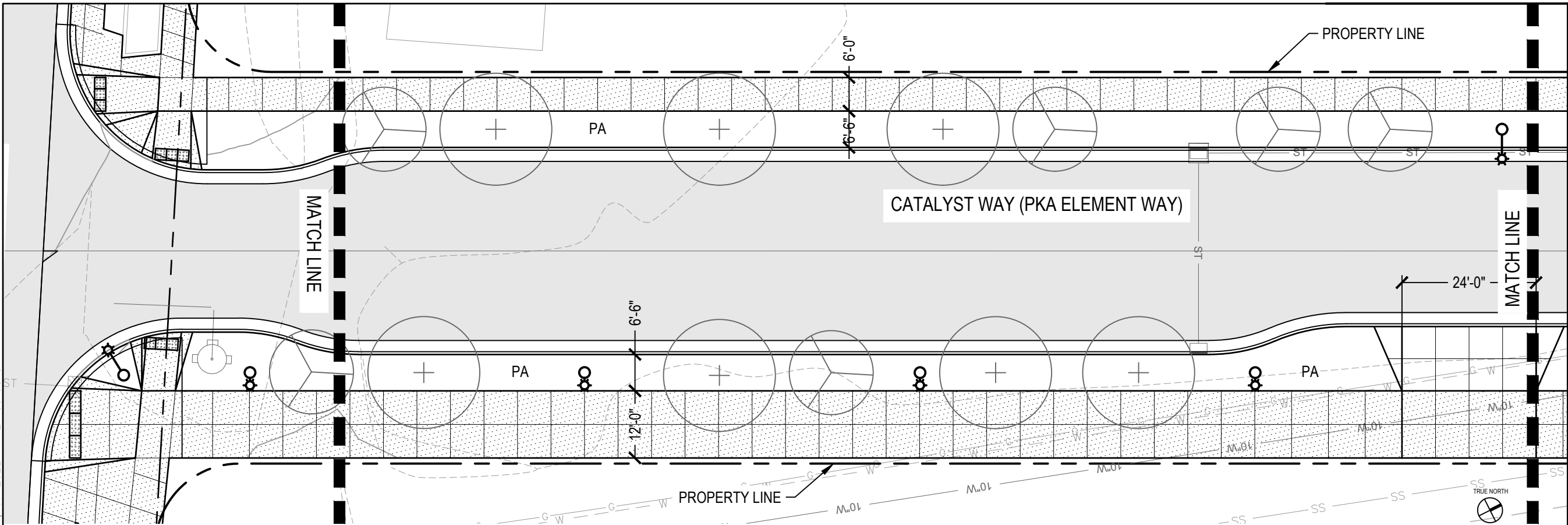
DRAWING REFERENCE
1" = 20'
DRAWING SCALE

06/07/2022
URP - ELEMENT
COLLECTIVE
PROJECT NAME

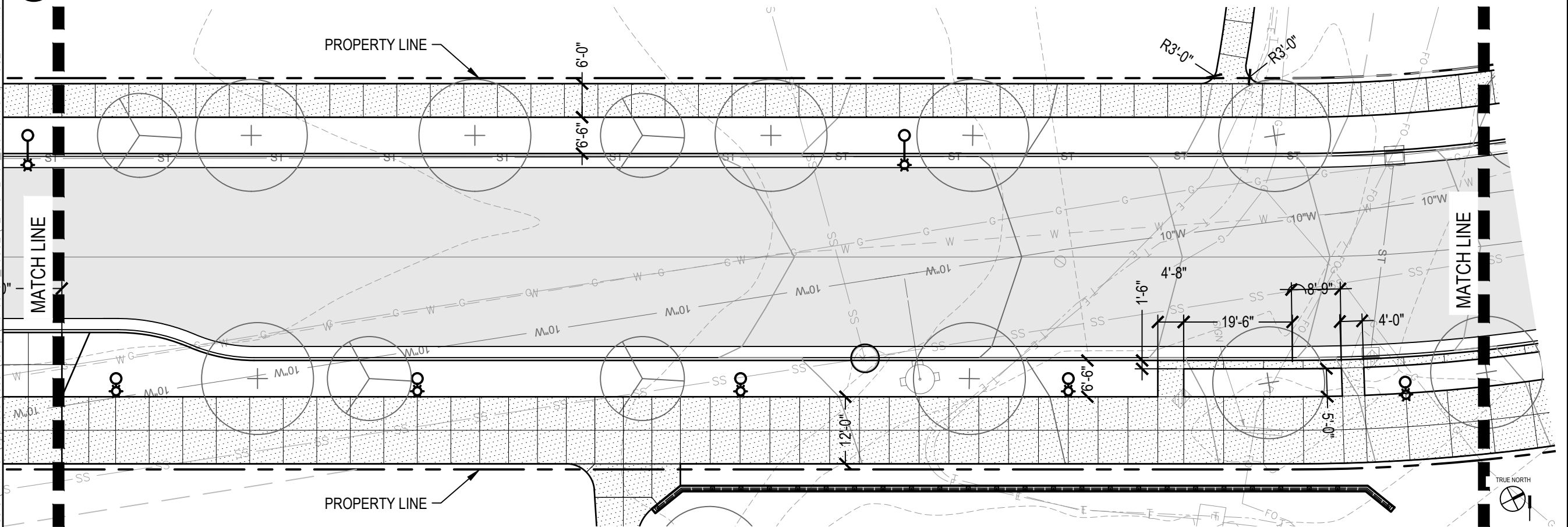
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PROJECT NUMBER

L2.04
DRAWING NUMBER

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1 CATALYST WAY - LAYOUT AND MATERIALS PLAN 1



2 CATALYST WAY - LAYOUT AND MATERIALS PLAN 2

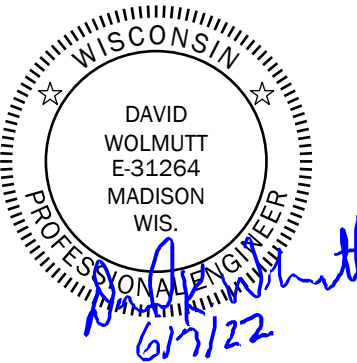
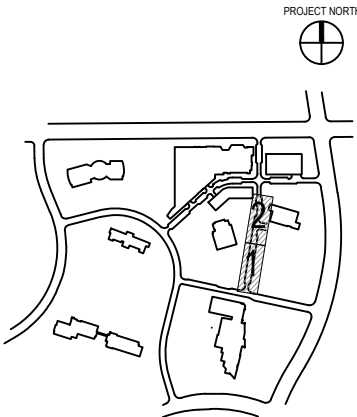
SCALE: 1" = 20'-0"

SCALE: 1" = 20'-0"

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SUITE 500
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KEY PLAN



STREETSCAPE LAYOUT
AND MATERIALS PLAN

DRAWING TITLE

IFC

ISSUED WITH

DRAWING REFERENCE

1" = 20'

DRAWING SCALE

06/07/2022

URP - ELEMENT
COLLECTIVE

PROJECT NAME

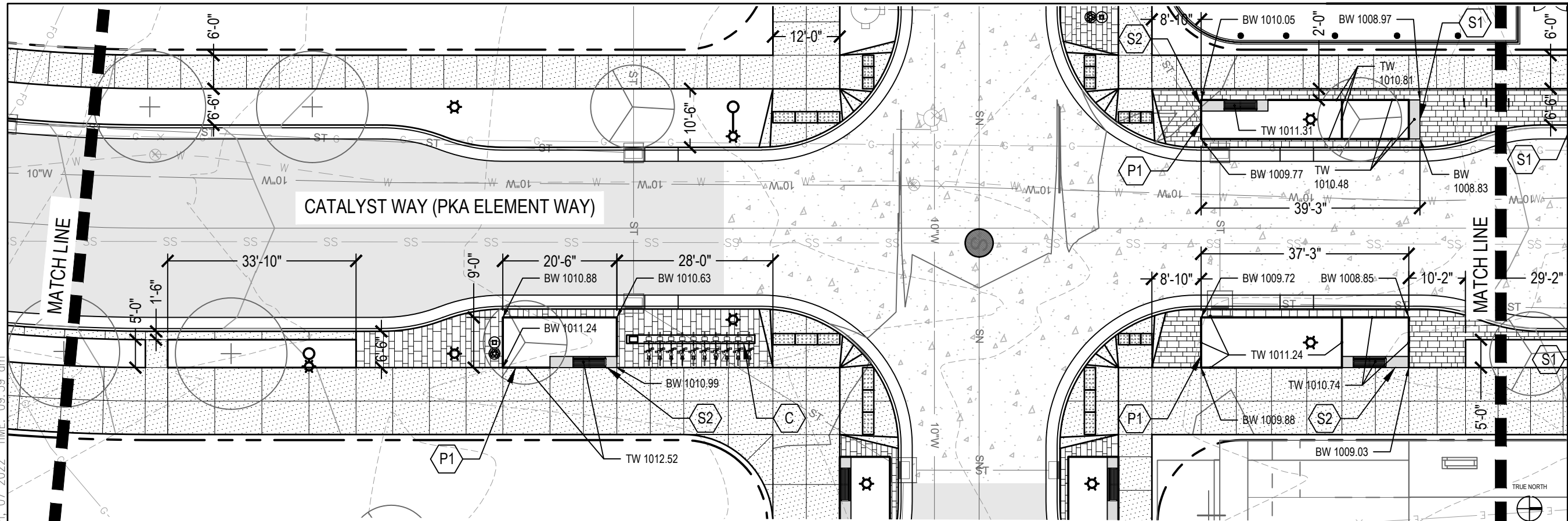
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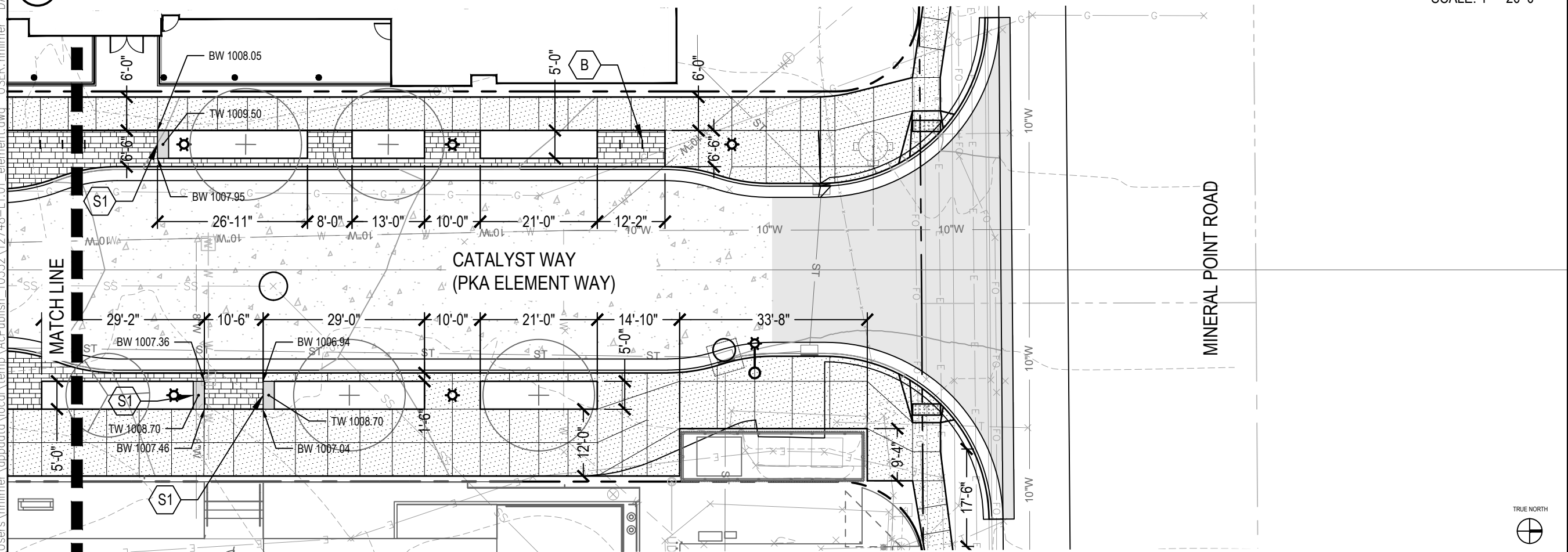
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1 CATALYST WAY - LAYOUT AND MATERIALS PLAN 3

SCALE: 1" = 20'-0"



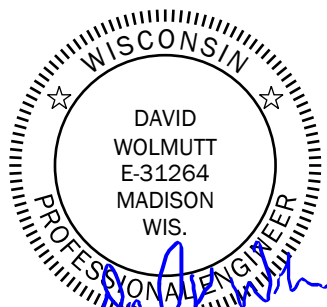
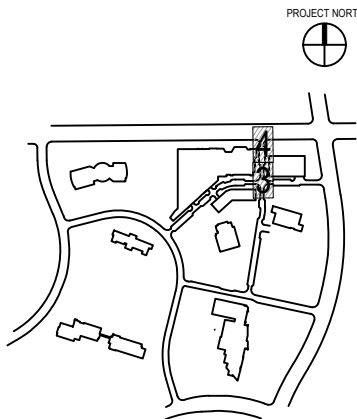
4 CATALYST WAY - LAYOUT AND MATERIALS PLAN 4

SCALE: 1" = 20'-0"

SMITHGROUP

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SUITE 500
MADISON, WI 53703
608.251.1177
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KEY PLAN



David Wolmutter
6/7/22

STREETSCAPE LAYOUT
AND MATERIALS PLAN

DRAWING TITLE

IFC

ISSUED WITH

DRAWING REFERENCE

1" = 20'

DRAWING SCALE

06/07/2022

URP - ELEMENT
COLLECTIVE

PROJECT NAME

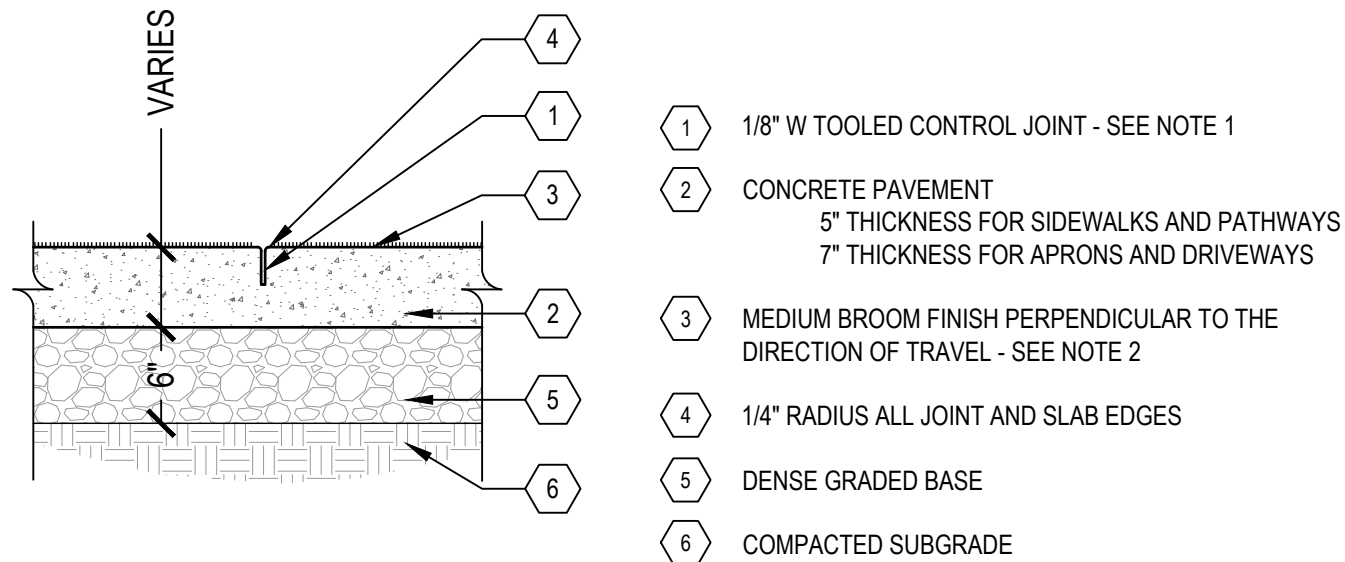
12748

PROJECT NUMBER

L2.06

DRAWING NUMBER

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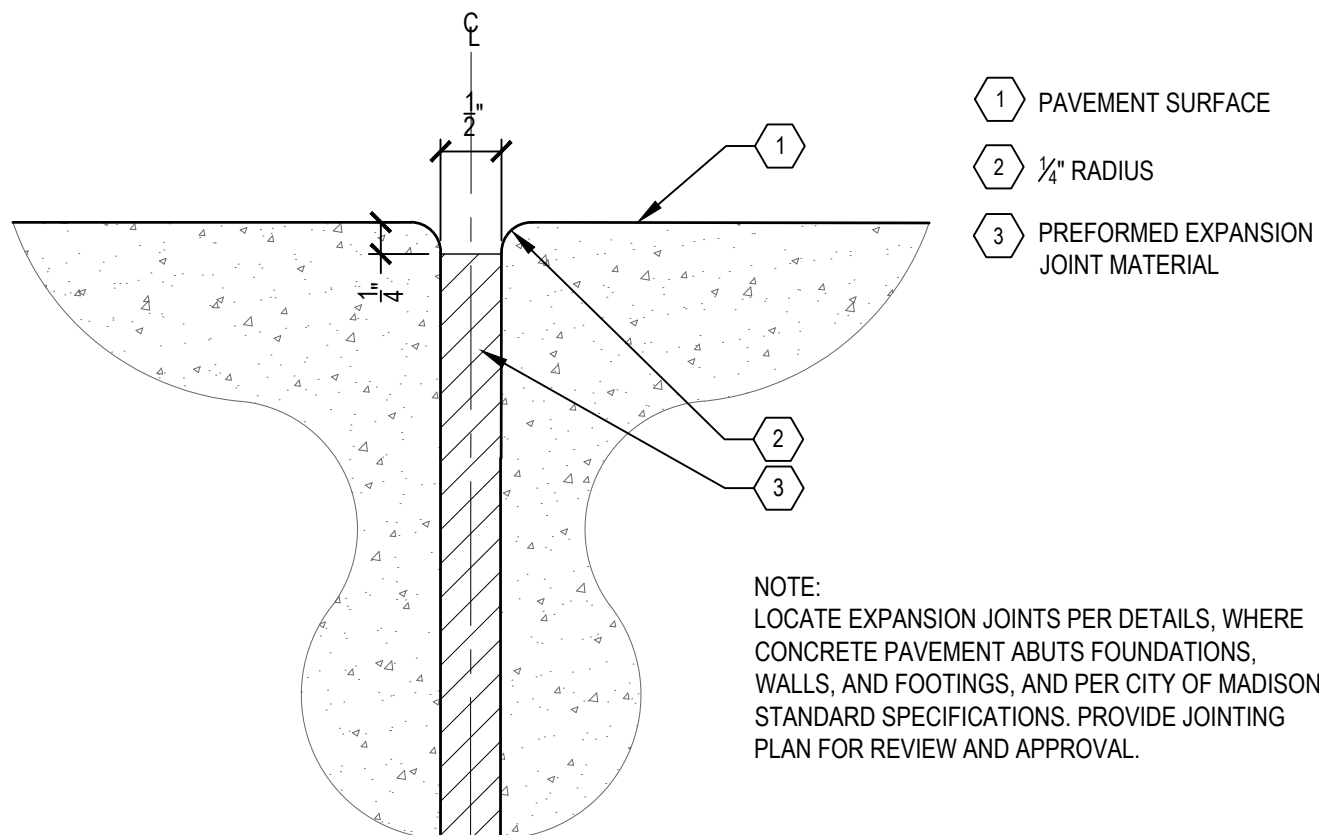


NOTES:

1. JOINT DEPTH = 1/3 SLAB DEPTH. TOOL JOINTS TO DEPTH OR SAWCUT TOOLED JOINTS AS REQUIRED.
2. NO SHINER BANDS / WINDOWPANNING AT CONCRETE PAVEMENT JOINTS.
3. ALL VERTICAL FACES OF CONCRETE PAVEMENT TO BE FULLY-FORMED FOR THE ENTIRE DEPTH OF THE SLAB.

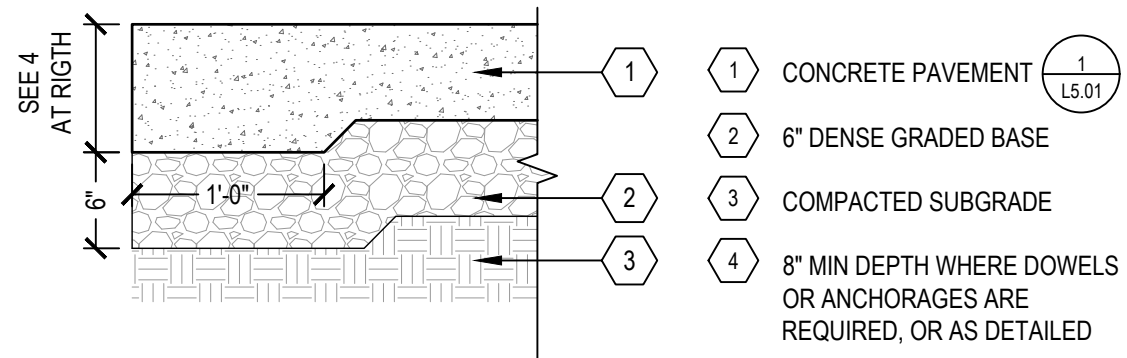
1 CONCRETE PAVEMENT

SCALE: 1" = 1'-0"



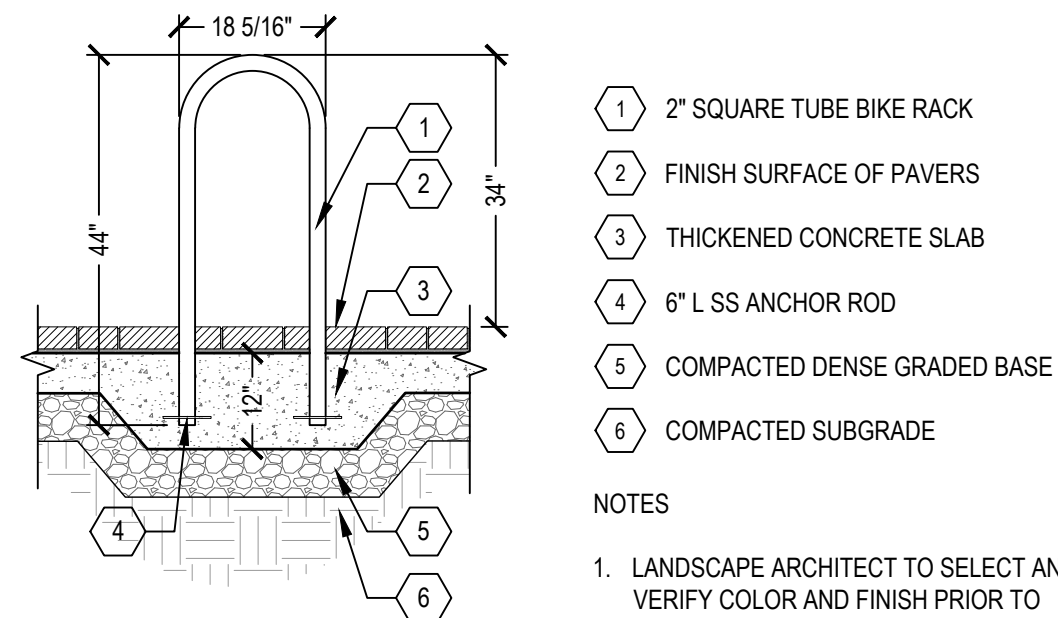
3 EXPANSION JOINT

SCALE: NTS



2 CONCRETE PAVEMENT THICKENED EDGE

SCALE: 1" = 1'-0"



NOTES

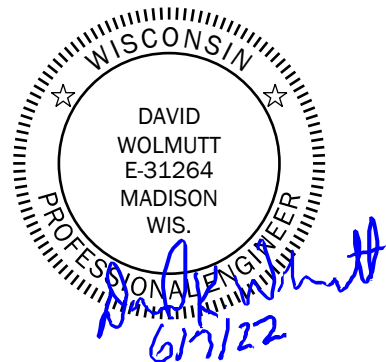
1. LANDSCAPE ARCHITECT TO SELECT AND VERIFY COLOR AND FINISH PRIOR TO INSTALLATION.

4 BIKE RACK

SCALE: 1/2" = 1'-0"

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SUITE 500
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SITE DETAILS

DRAWING TITLE

IFC

ISSUED WITH

DRAWING REFERENCE

DRAWING SCALE

06/07/2022

URP - ELEMENT
COLLECTIVE

PROJECT NAME

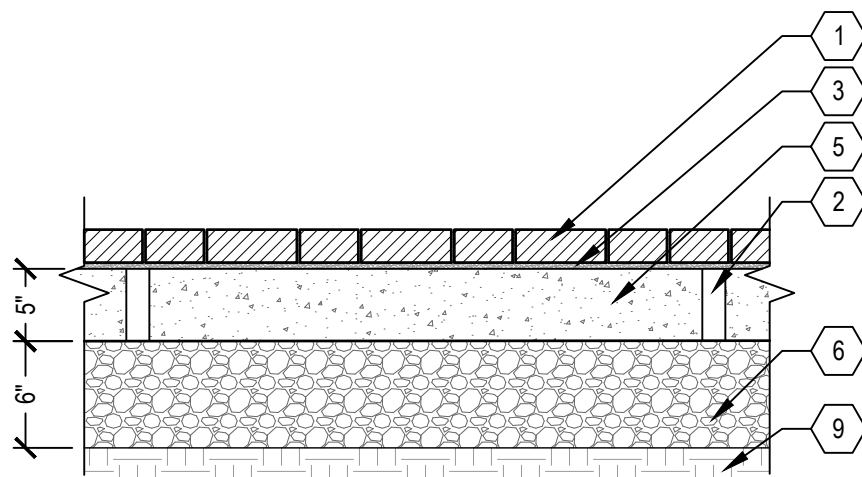
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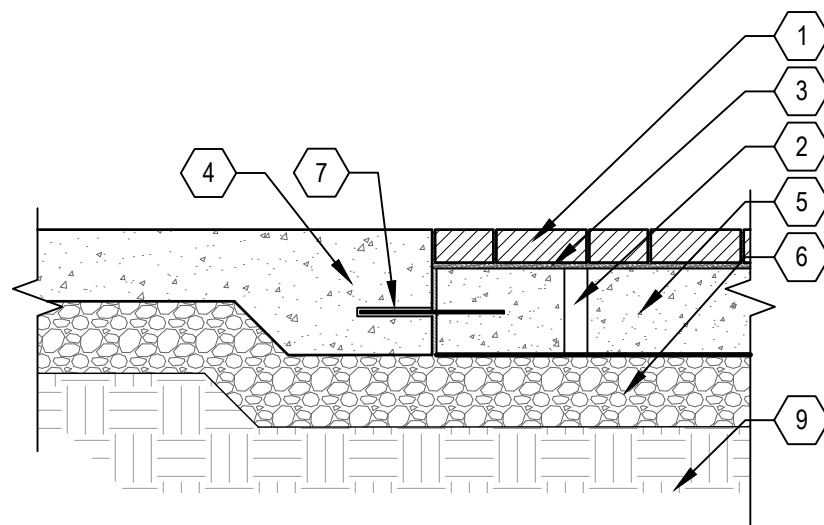
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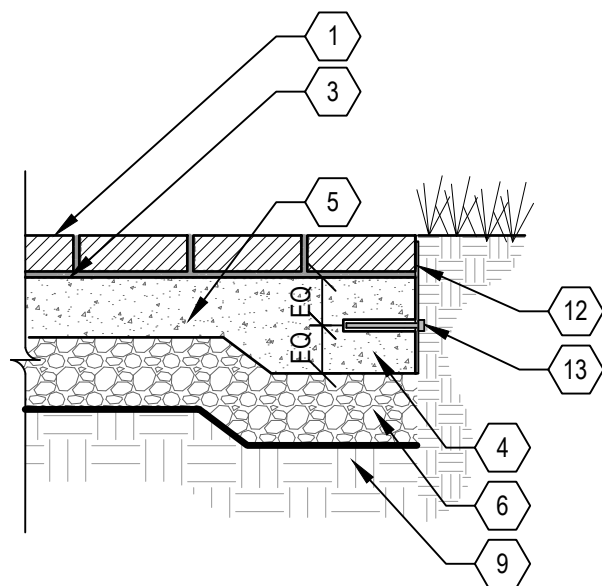
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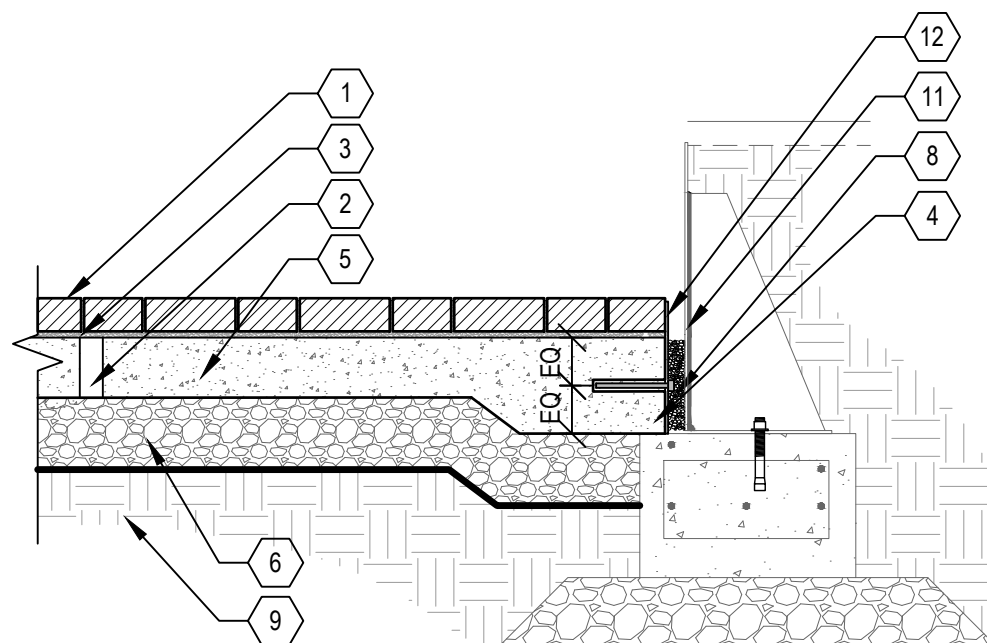
UNIT PAVERS TYPICAL SECTION



UNIT PAVERS @ CONCRETE WALK
TYPICAL SECTION



UNIT PAVERS @ LANDSCAPE BED
TYPICAL SECTION



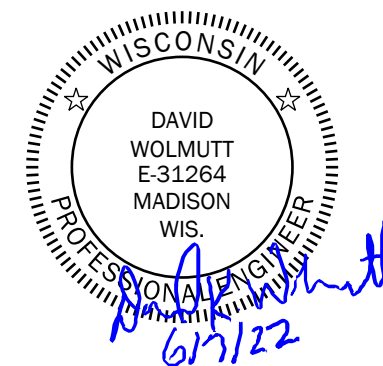
UNIT PAVERS @ STEEL PLANTER WALL
TYPICAL SECTION

- 1 CONCRETE PAVERS WITH POLYMERIC SAND JOINTS
- 2 2" Ø WEEP HOLES @ 24" OC @ PERIMETER OF PAVER FIELDS. LOCATE WEEPS 12" FROM EDGE OF CONCRETE BASE AT DOWNHILL END OF PAVER FIELDS, WHERE CONCRETE BASE ABUTS CURBING, FOOTINGS, OR CONCRETE PAVEMENT. FILL WEEPS WITH CLEAR DRAINAGE AGGREGATE AND PROVIDE 12" SQ GEOTEXTILE FABRIC TO PREVENT SAND MIGRATION.
- 3 1/2" SAND SETTING BED
- 4 CONCRETE PAVEMENT THICKENED EDGE 2
L5.01
- 5 CONCRETE BASE
- 6 DENSE GRADED BASE
- 7 1/2" Ø 12" EPOXY-COATED DOWEL @ 2' OC; GREASE ONE END ONLY
- 8 NOT USED
- 9 COMPACTED SUBGRADE
- 10 NOT USED
- 11 STEEL PLANTER WALL 1
L5.05 1
L5.06
- 12 1/4" X 12" GALVANIZED STEEL EDGE PAVER RESTRAINT; WELD ABUTTING SEGMENTS
- 13 5/8" Ø x 6" L STAINLESS STEEL ANCHOR @ 2' OC

NOTE:
PROVIDE TOOLED OR SAWN CONTROL JOINTS AT CONCRETE BASE. LOCATE JOINTS AND PROPORTION PANELS TO CREATE STABLE PANELS.

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SITE DETAILS

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DRAWING REFERENCE

DRAWING SCALE

06/07/2022

URP - ELEMENT
COLLECTIVE

PROJECT NAME

12748

PROJECT NUMBER

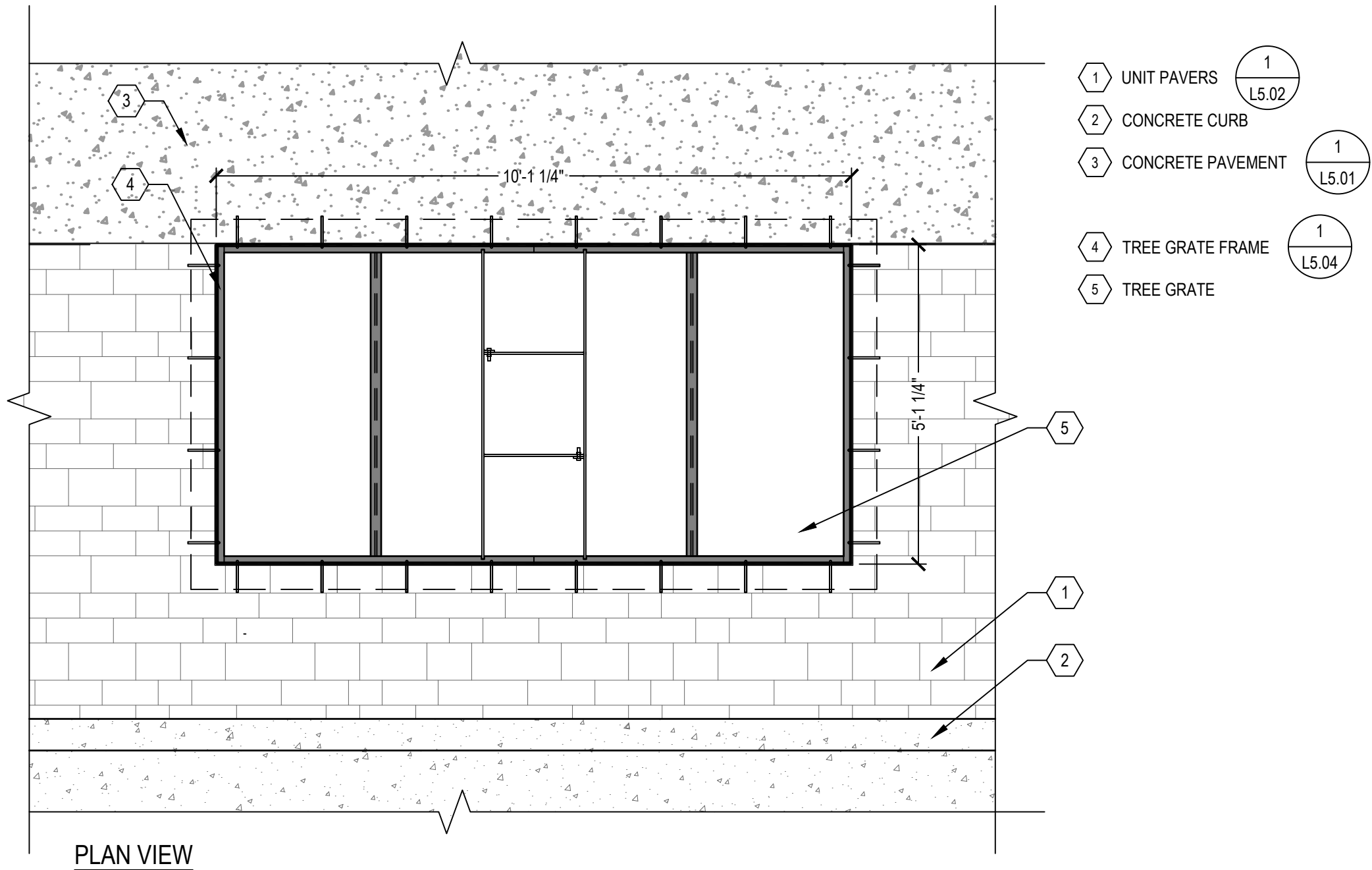
L5.02

DRAWING NUMBER

1 UNIT PAVERS

SCALE: NTS

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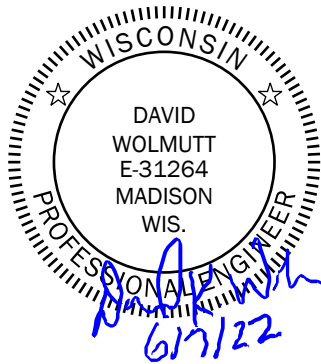


1 TREE GRATE FRAME

SCALE: 1/2" = 1'-0"

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PROJECT NAME

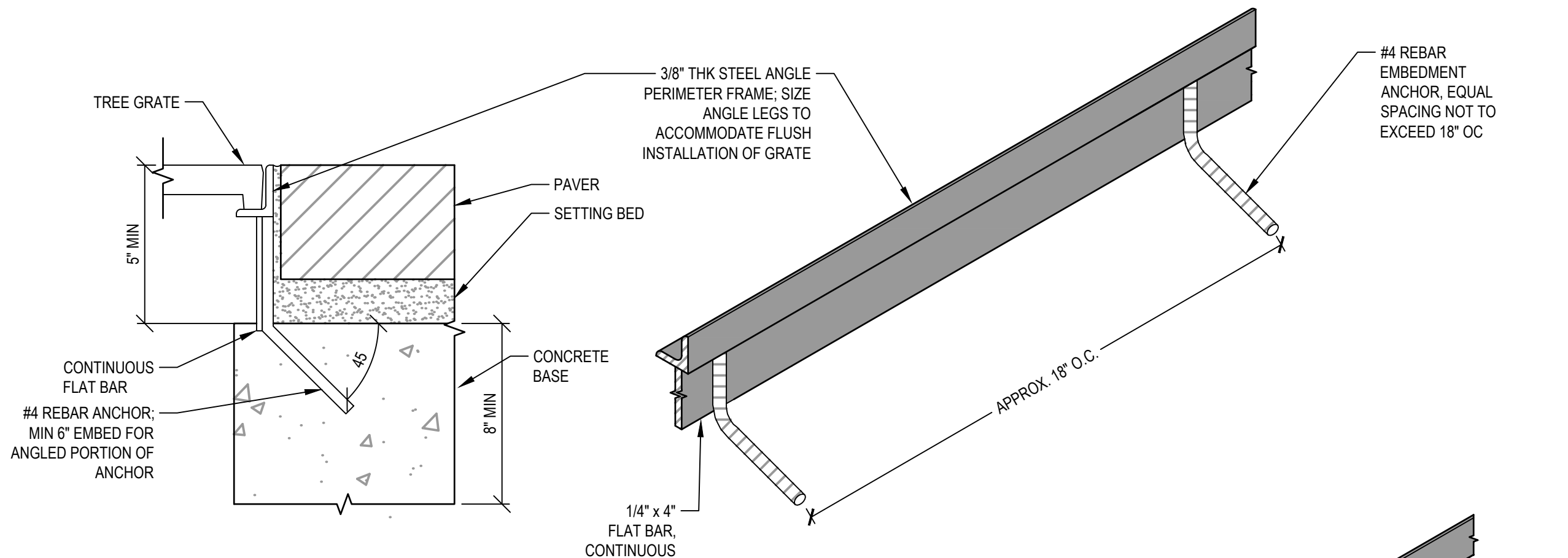
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PROJECT NUMBER

L5.03

DRAWING NUMBER

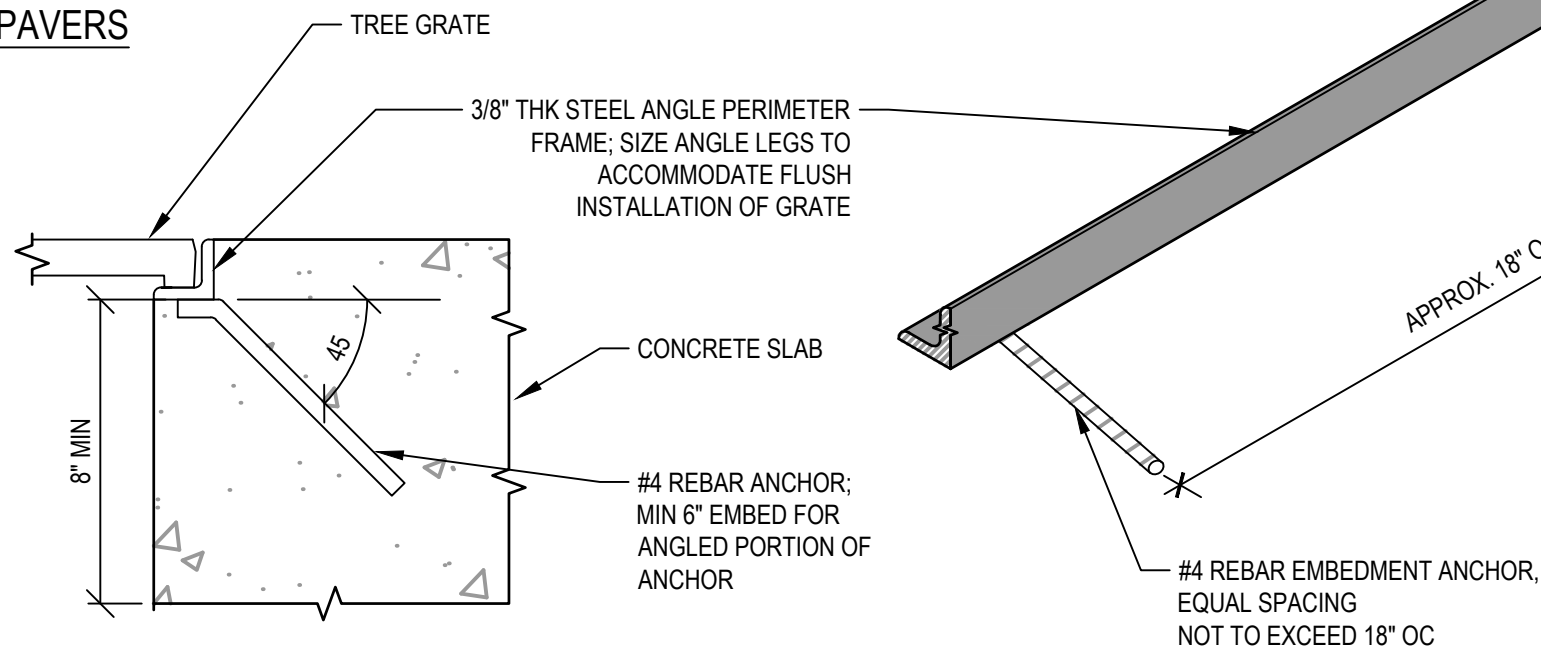
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SECTION

ISOMETRIC

TREE GRATE AT PAVERS



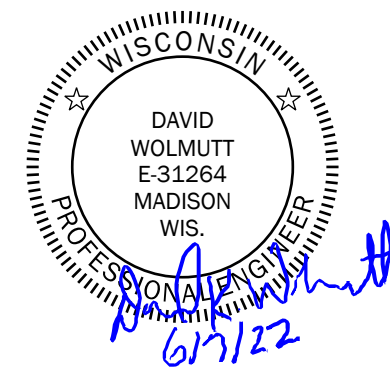
SECTION

ISOMETRIC

NOTE:
HOT DIP GALVANIZE FRAMES
AFTER FABRICATION

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PROJECT NAME

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PROJECT NUMBER

L5.04

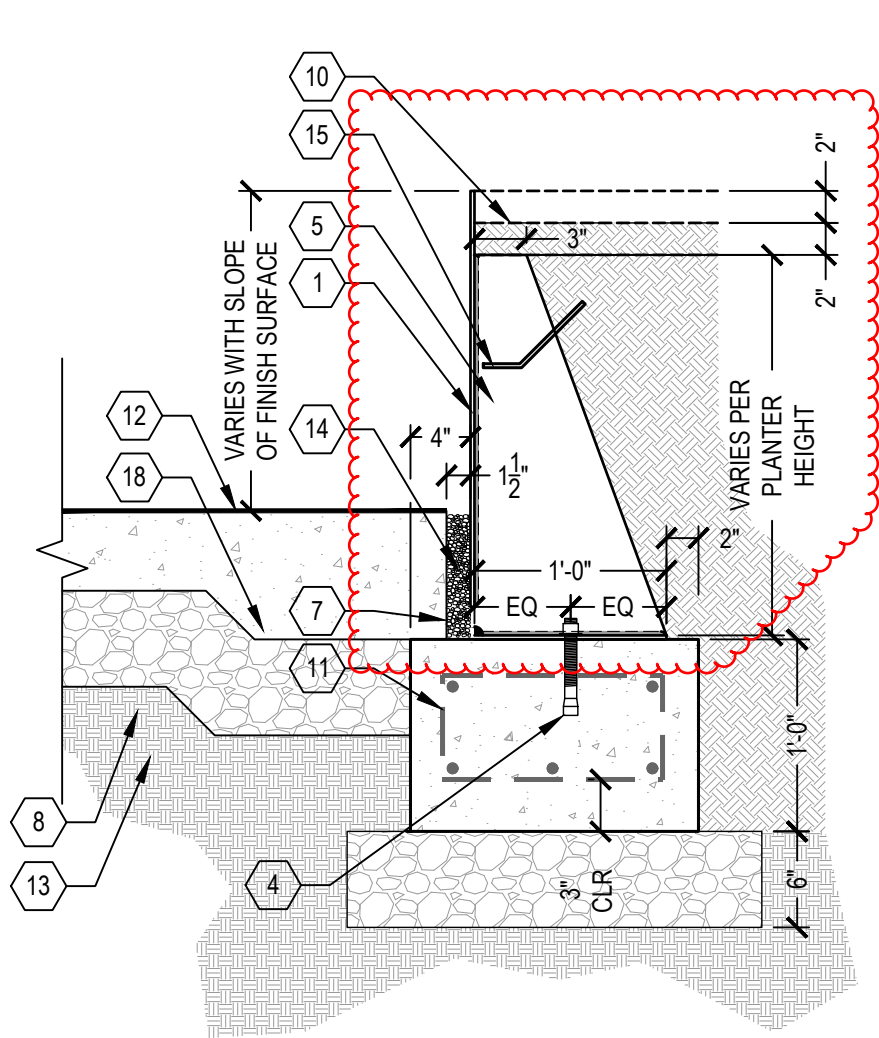
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TREE GRATE FRAME

SCALE: NTS

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REV 4 - 03/27/2023 - NJH
-Revised detail dimensions for consistency with plans.
-Ref: RFI 28

- 1 3/8" WEATHERING STEEL PLATE
- 2 NOT USED
- 3 NOT USED
- 4 SS 3/4" Ø EXPANSION ANCHOR @ 2' OC, 4" MIN EMBEDMENT
- 5 NOT USED
- 6 NOT USED
- 7 CIP CONCRETE FOOTING
- 8 DENSE GRADED BASE
- 9 NOT USED
- 10 TOP OF PLANTING SOIL
- 11 #4 REBAR @ 10" EACH WAY
- 12 FINISH SURFACE OF ADJACENT PAVEMENT
- 13 COMPACTED SUBGRADE

- 14 1 1/2" DECORATIVE PEA GRAVEL EDGE
- 15 #4 REBAR LIFTING HOOK
- 16 NOT USED
- 17 NOT USED
- 18 CONCRETE PAVEMENT THICKENED EDGE

*** SEE NOTES IN DETAIL ON PAGE L5.05***

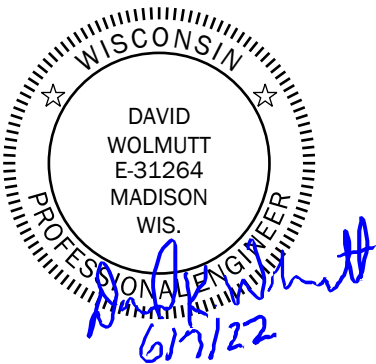
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L5.01

3 STEEL WALL PLANTER - TYPICAL SECTION

SCALE: 1" = 1'

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COLLECTIVE

PROJECT NAME

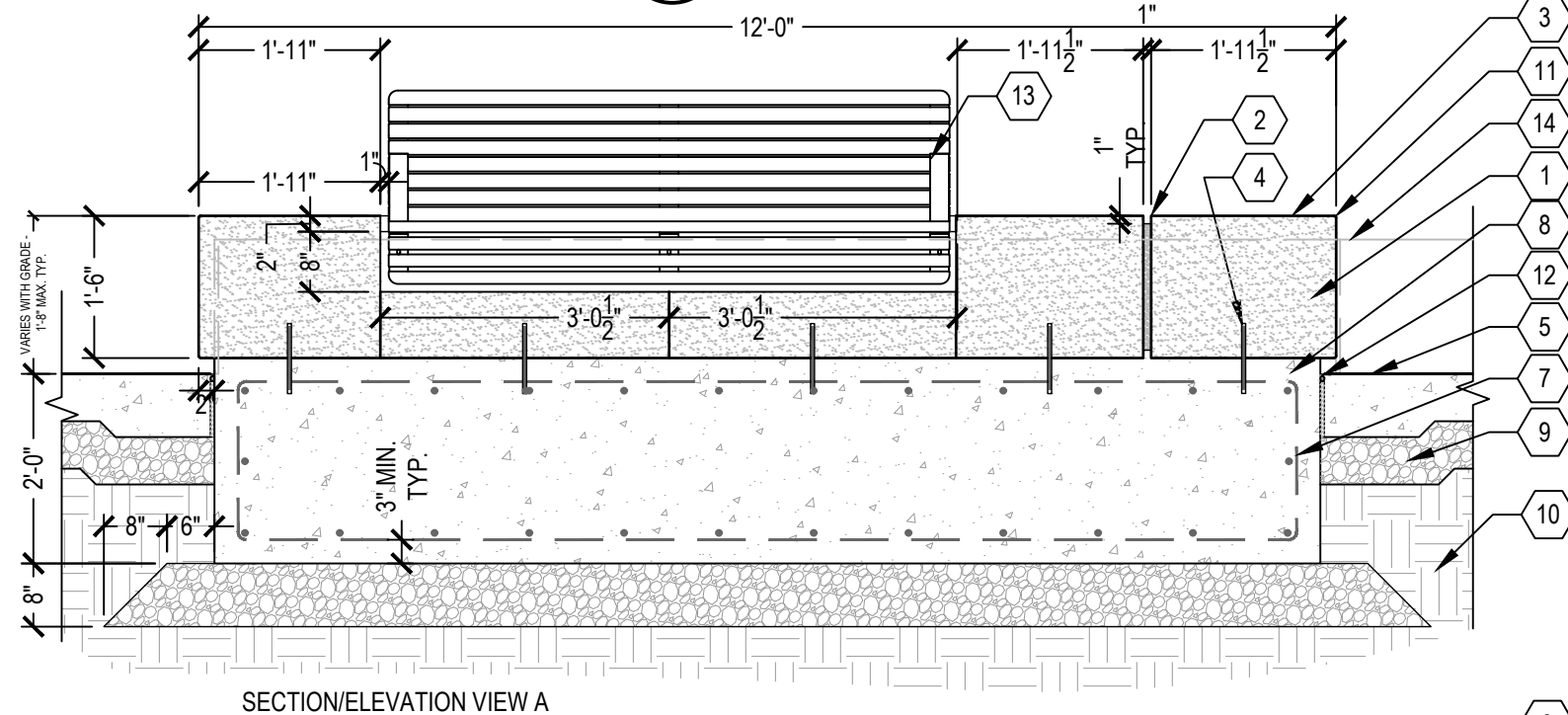
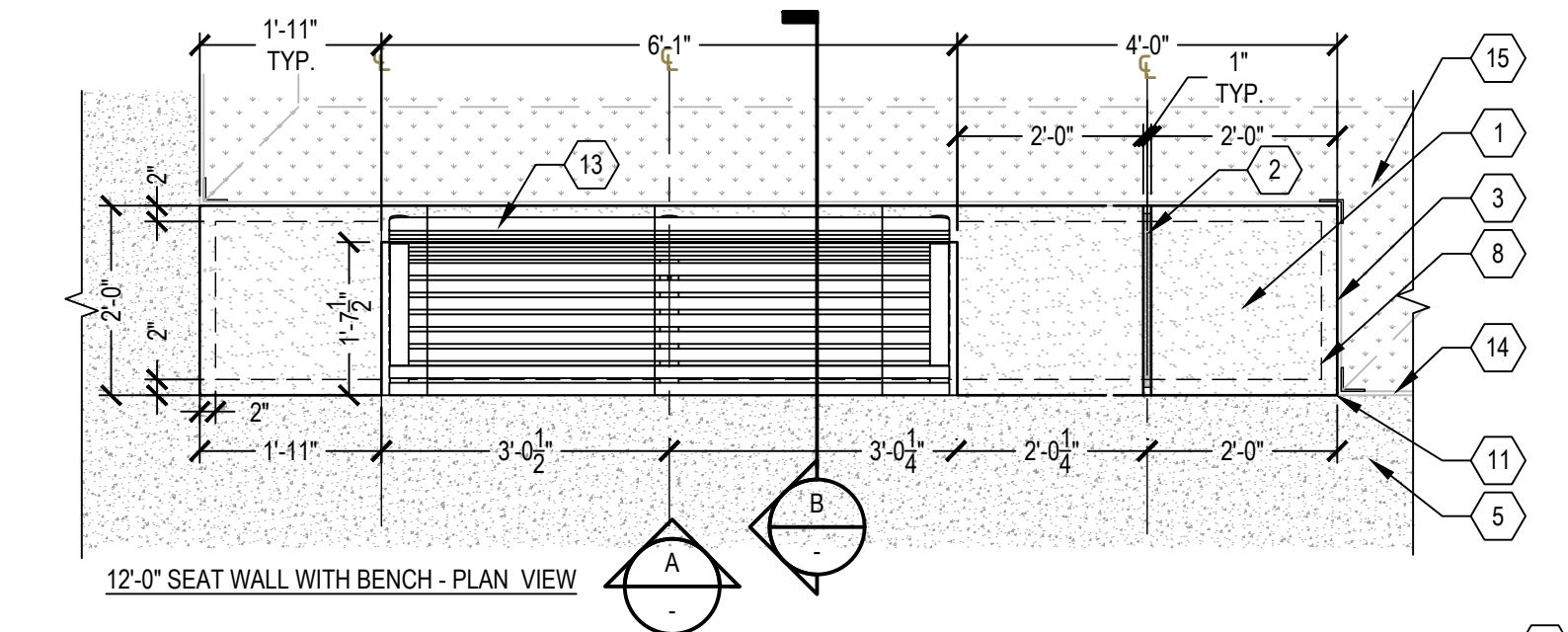
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PROJECT NUMBER

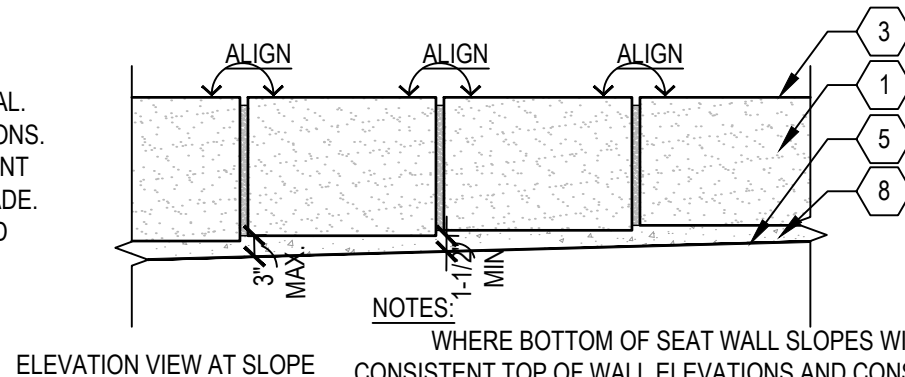
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- NOTES:
1. PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL.
 2. SEE PLANS FOR TOP- AND BOTTOM-OF-WALL ELEVATIONS. WHERE ELEVATIONS ARE NOT INDICATED, THE MIDPOINT OF THE BENCH SHOULD BE SET 18" ABOVE FINISH GRADE.
 3. PROVIDE MEDIUM SAND-BLASTED FINISH ALL EXPOSED STONE FACES.

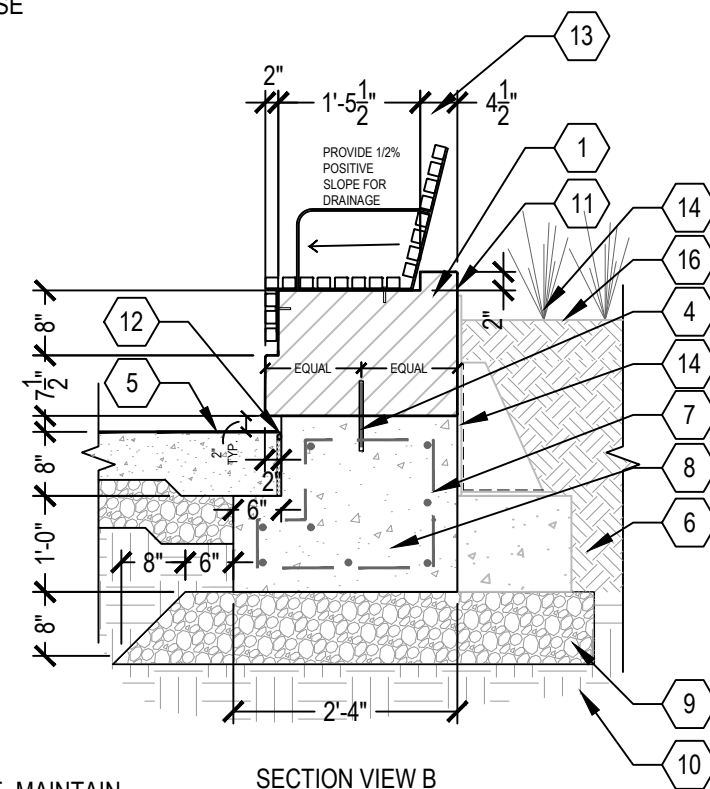


NOTES:

WHERE BOTTOM OF SEAT WALL SLOPES WITH GRADE, MAINTAIN CONSISTENT TOP OF WALL ELEVATIONS AND CONSISTENT BOTTOM OF WALL REVEAL DIMENSIONS. MINIMUM REVEAL HEIGHT 1.5", MAXIMUM REVEAL HEIGHT 3".

- 1 LIMESTONE BLOCK SEATWALL W/ C.I.P. CONCRETE FOUNDATION
- 2 1" W x 1" D REVEAL
- 3 SAND BLASTED FINISH, ALL EXPOSED FACES, TYP.
- 4 3/4" Ø x 8" STAINLESS STEEL PIN, CENTER IN BLOCK AND EPOXY IN PLACE; SHOP DRILL FOR PIN
- 5 FINISH SURFACE
- 6 PLANTING SOIL EXCAVATE TO UNCOMPACTED SUBGRADE
- 7 #4 REBAR @ 12" O.C. EACH WAY, TYP
- 8 CONCRETE FOUNDATION
- 9 COMPACTED DENSE GRADED BASE

- 10 COMPACTED SUBGRADE
- 11 1/4" RADIUS ON ALL EXPOSED EDGES, TYP.
- 12 EXPANSION JOINT AT VERTICAL SURFACE
- 13 LANDSCAPE FORMS 71" UNIVERSAL BACKED BENCH, ATTACH PER MANUFACTURER SPECIFICATIONS.
- 14 STEEL PLANTER WALL
- 15 ADJACENT PLANTING AREA
- 16 FINISH GRADE

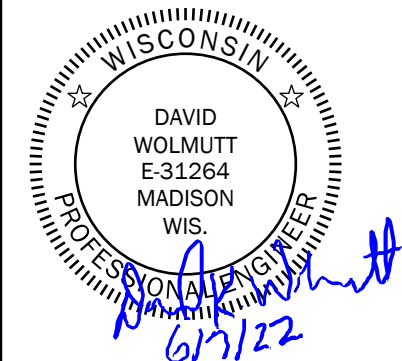


1 STONE SEATWALL WITH BENCH

SCALE: 1/2" = 1'

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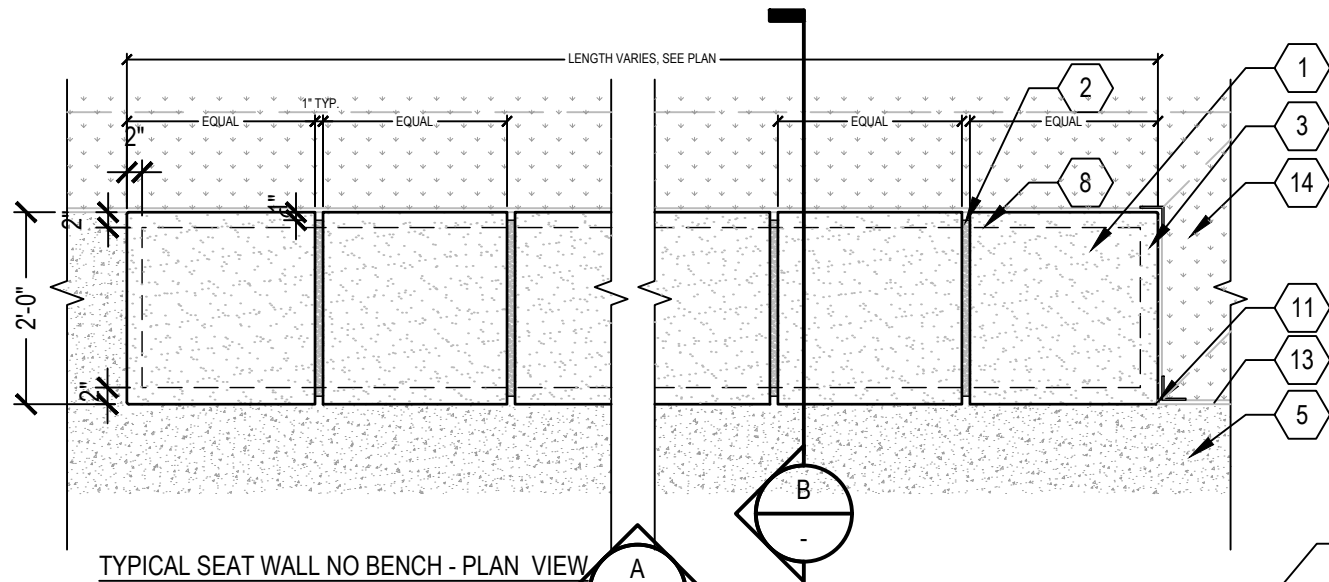
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PROJECT NAME

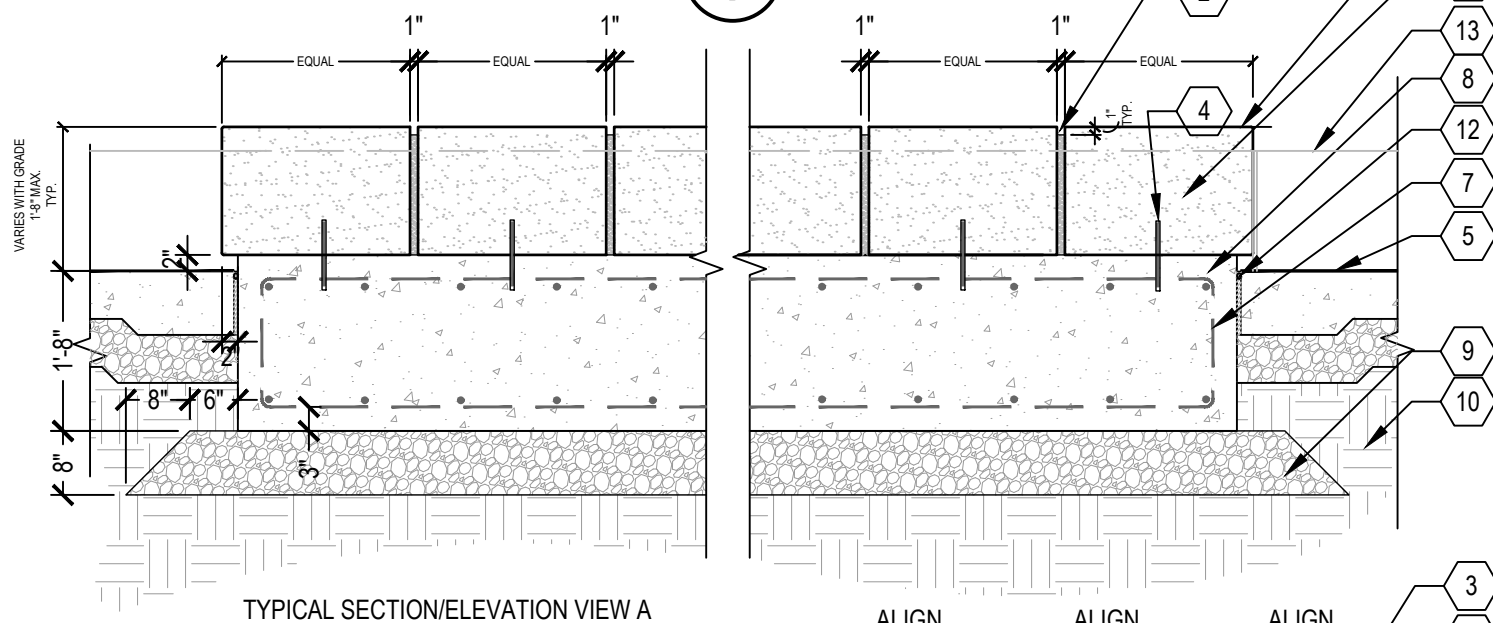
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PROJECT NUMBER

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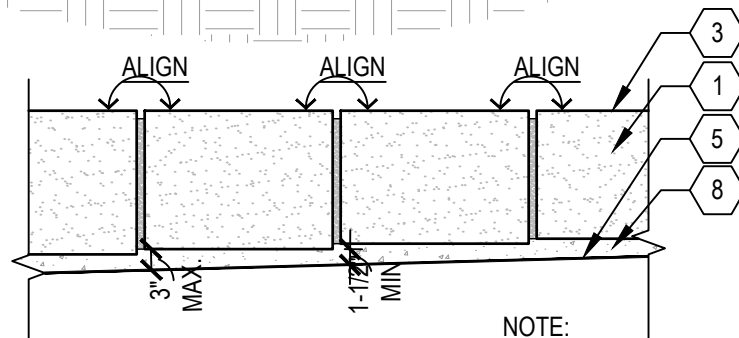
TYPICAL SEAT WALL NO BENCH - PLAN VIEW



TYPICAL SECTION/ELEVATION VIEW A

NOTES:

1. PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL.
2. SEE PLANS FOR TOP OF BOTTOM/ WALL ELEVATIONS. WHERE ELEVATIONS ARE NOT INDICATED, THE MIDPOINT OF THE SEATWALL SHOULD BE SET 18" ABOVE FINISH GRADE.
3. PROVIDE MEDIUM SAND-BLASTED FINISH ALL EXPOSED STONE FACES.



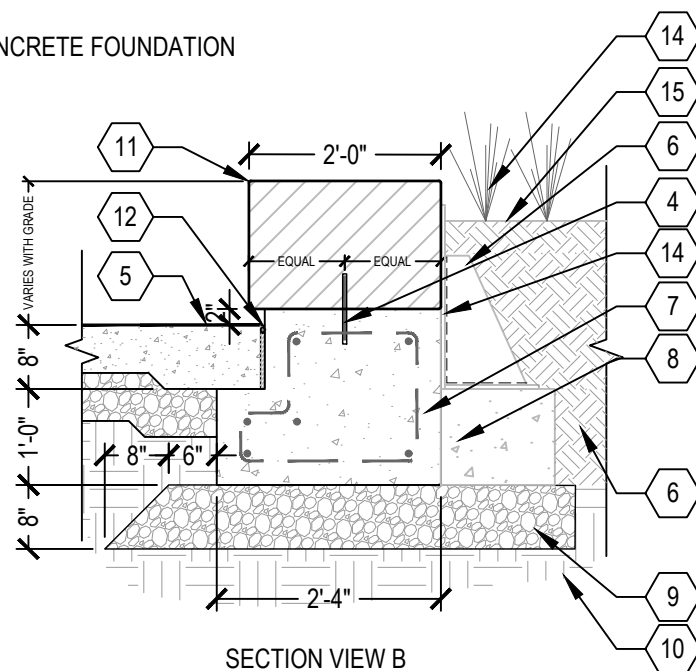
ELEVATION VIEW AT SLOPE

NOTE:

WHERE BOTTOM OF SEAT WALL SLOPES WITH GRADE, MAINTAIN CONSISTENT TOP OF WALL ELEVATIONS AND CONSISTENT BOTTOM OF WALL REVEAL DIMENSIONS. MINIMUM REVEAL HEIGHT 1.5", MAXIMUM REVEAL HEIGHT 3".

- 1 LIMESTONE BLOCK SEATWALL W/ C.I.P. CONCRETE FOUNDATION
- 2 1" W x 1" D REVEAL
- 3 SAND BLASTED FINISH, ALL EXPOSED FACES, TYP.
- 4 3/4" Ø x 8" STAINLESS STEEL PIN, CENTER IN BLOCK AND EPOXY IN PLACE; SHOP DRILL FOR PIN
- 5 FINISH SURFACE
- 6 PLANTING SOIL EXCAVATE TO UNCOMPACTED SUBGRADE
- 7 #4 REBAR @ 12" O.C. EACH WAY, TYP
- 8 CONCRETE FOUNDATION

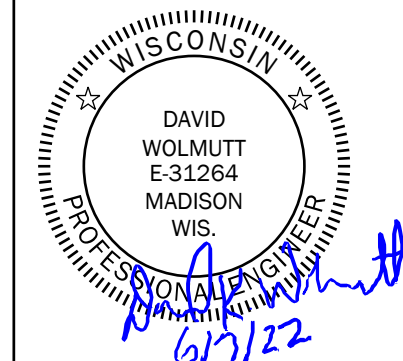
- 9 COMPACTED DENSE GRADED BASE
- 10 COMPACTED SUBGRADE
- 11 1/4" RADIUS ON ALL EXPOSED EDGES, TYP.
- 12 EXPANSION JOINT AT VERTICAL SURFACE
- 13 STEEL PLANTER WALL
- 14 ADJACENT PLANTING AREA
- 15 FINISH GRADE



SECTION VIEW B

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PROJECT NAME

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PROJECT NUMBER

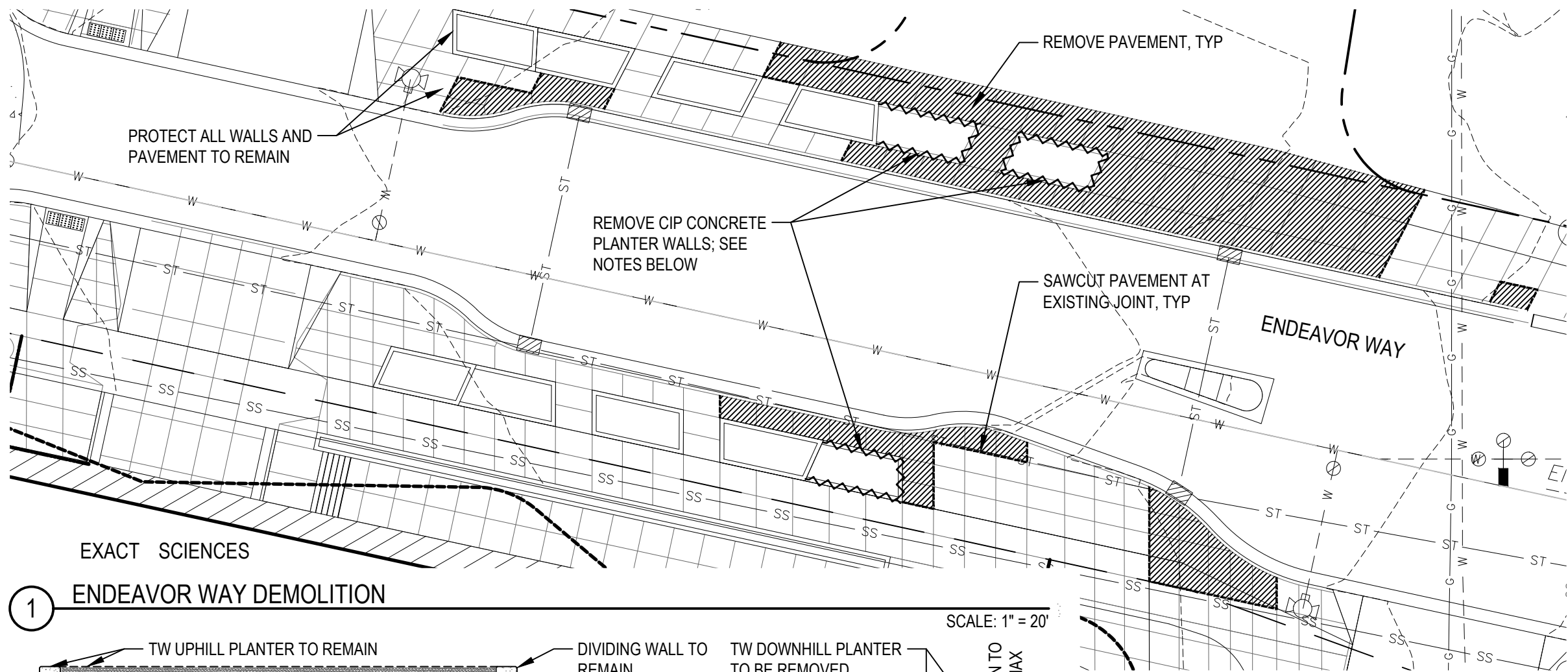
L5.08

DRAWING NUMBER

1 STONE SEATWALL

SCALE: 1/2" = 1'

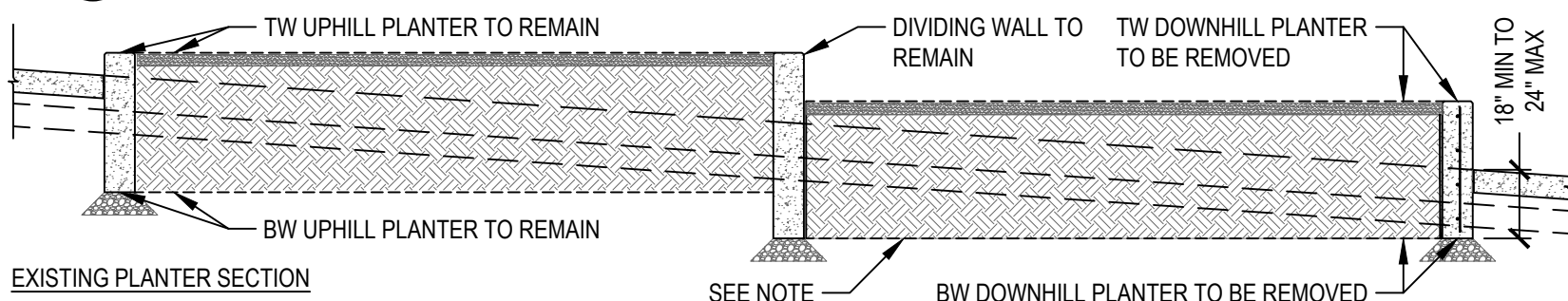
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EXACT SCIENCES

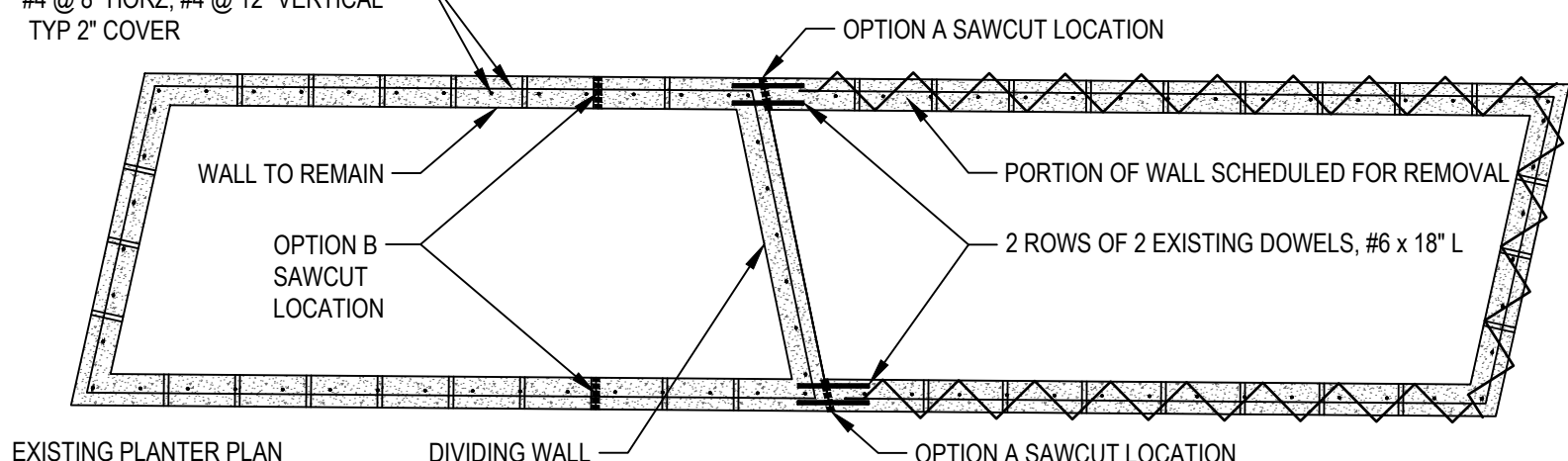
1 ENDEAVOR WAY DEMOLITION

SCALE: 1" = 20'



EXISTING PLANTER SECTION

EXISTING REINFORCEMENT:
#4 @ 8" HORZ, #4 @ 12" VERTICAL
TYP 2" COVER



EXISTING PLANTER PLAN

2 ENDEAVOR WAY PLANTER DEMOLITION AND MODIFICATIONS

SCALE: NTS

PLANTER MODIFICATION STRATEGIES

OPTION A (PREFERRED APPROACH): SAWCUT AT PLANTER STEP PARALLEL WITH EAST FACE OF DIVIDING WALL. CORE AND REMOVE DOWELS. COORDINATE WITH LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE FOR ON-SITE REVIEW OF EXPOSED WALL AFTER DEMOLITION. IF APPEARANCE OF EXPOSED WALL IS ACCEPTABLE, PATCH CORED DOWELS AND CLEAN WALL TO REMAIN. IF APPEARANCE OF EXPOSED WALL IS NOT ACCEPTABLE, PROCEED WITH OPTION B.

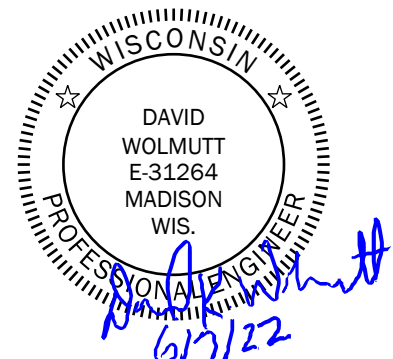
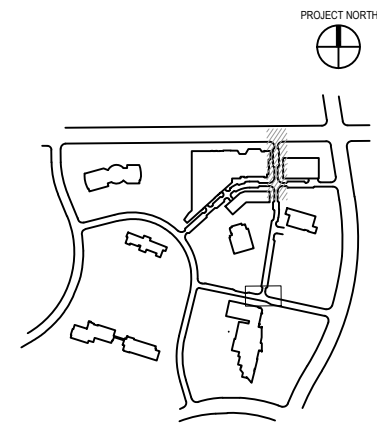
OPTION B: IF NEWLY EXPOSED EAST FACE IS UNFINISHED/ UNPRESENTABLE, OR WALL REMOVAL DAMAGES NEWLY EXPOSED FACE BEYOND PRACTICAL REPAIR, SAW CUT WALL TO REMAIN AT LOCATIONS SHOWN OR ALTERNATIVE LOCATIONS AS COORDINATED WITH LANDSCAPE ARCHITECT. REPOUR WALL TO REMAIN AND PROVIDE REINFORCEMENT AND FINISH TO MATCH EXISTING.

NOTE: IN SOME INSTANCES A CONCRETE LEVELING SLAB MAY HAVE BEEN SUBSTITUTED FOR A COMPACTED AGGREGATE BASE FOUNDATION DURING WALL CONSTRUCTION. IF LEVELING SLAB IS ENCOUNTERED, SAW CUT AND REMOVE PER EXTENTS INDICATED.

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KEY PLAN



ENDEAVOR WAY
DEMOLITION AND
PLANTER MODIFICATIONS

IFC
ISSUED WITH

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AS SHOWN
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06/07/2022
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PROJECT NAME

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PROJECT NUMBER

L5.10
DRAWING NUMBER



Catalyst Way

16'

6" Crosswalk-

8'



13355

M-1

MARKING PLAN
UNIVERSITY OF

UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE

13355

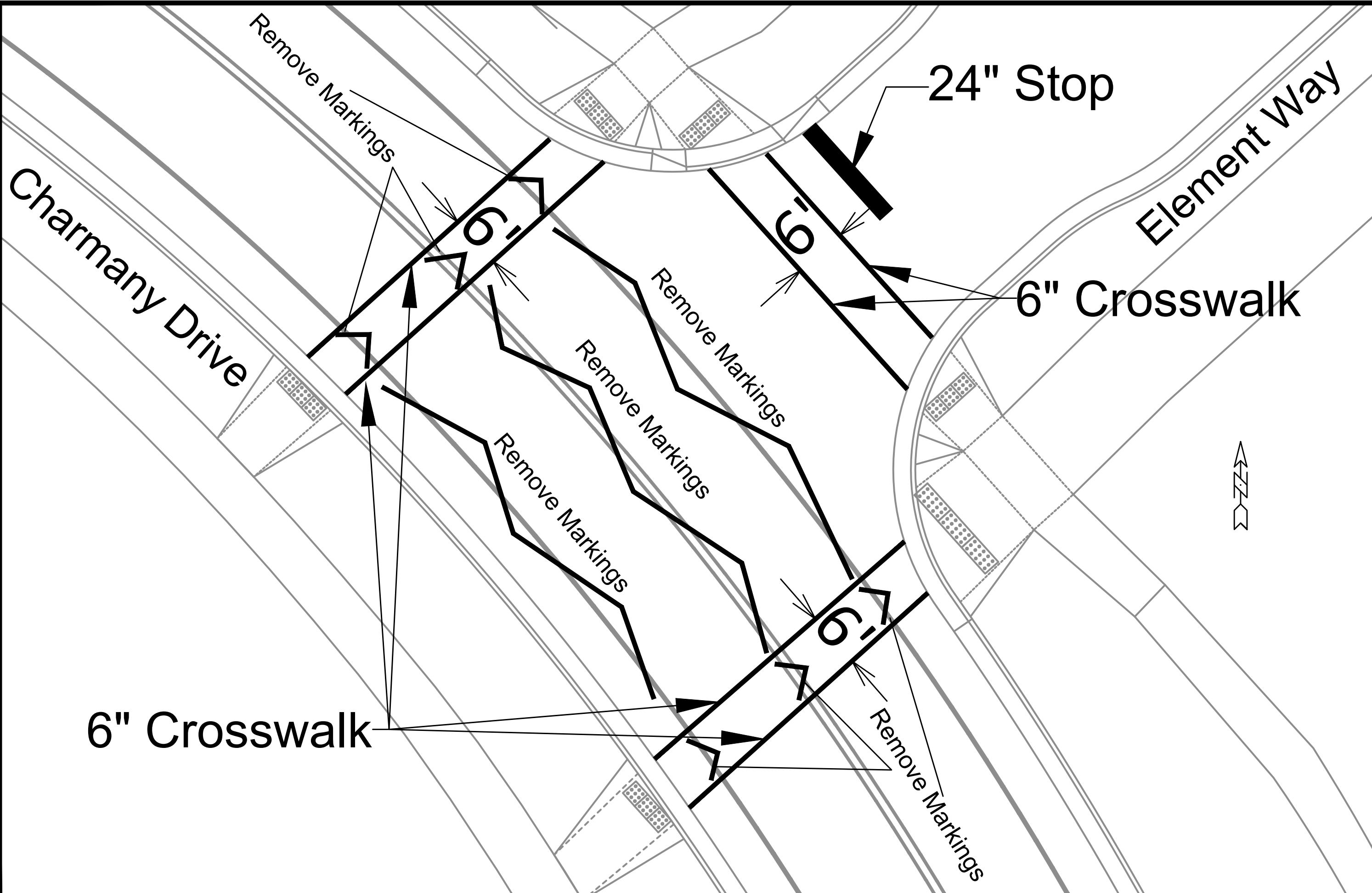
MADISON, WI

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CONTRACT NO:

9003

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	UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE		MADISON, WI				
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13355		M-2		13355		M-2	

Element Way

6'

6" Crosswalk

Continental
Crosswalk

Catalyst
Way

DATE	BY
5/25/2022	13355
REVISION	MARK
DATE	BY
5/25/2022	13355
DESIGNED BY: SDM	Scale: 1:10
13355	M-4

13355	13355
MADISON, WI	9003
UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE	CONTRACT NO:



13355

M-4

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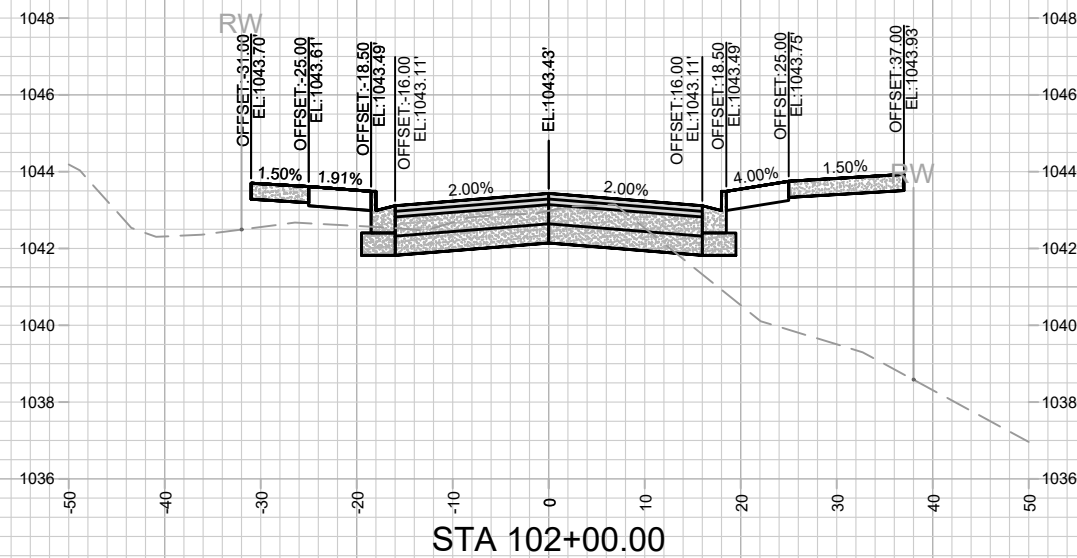
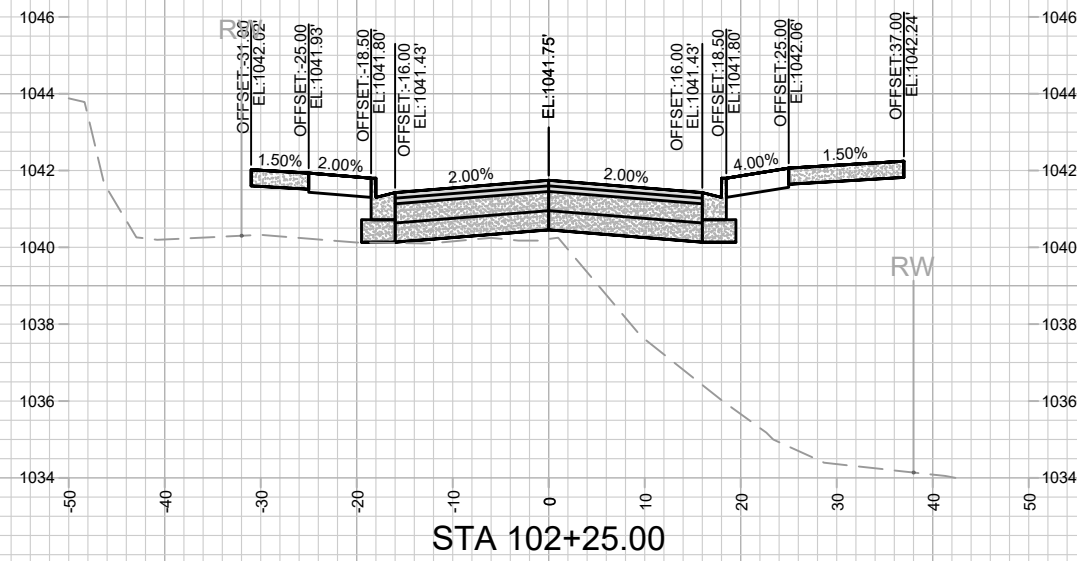
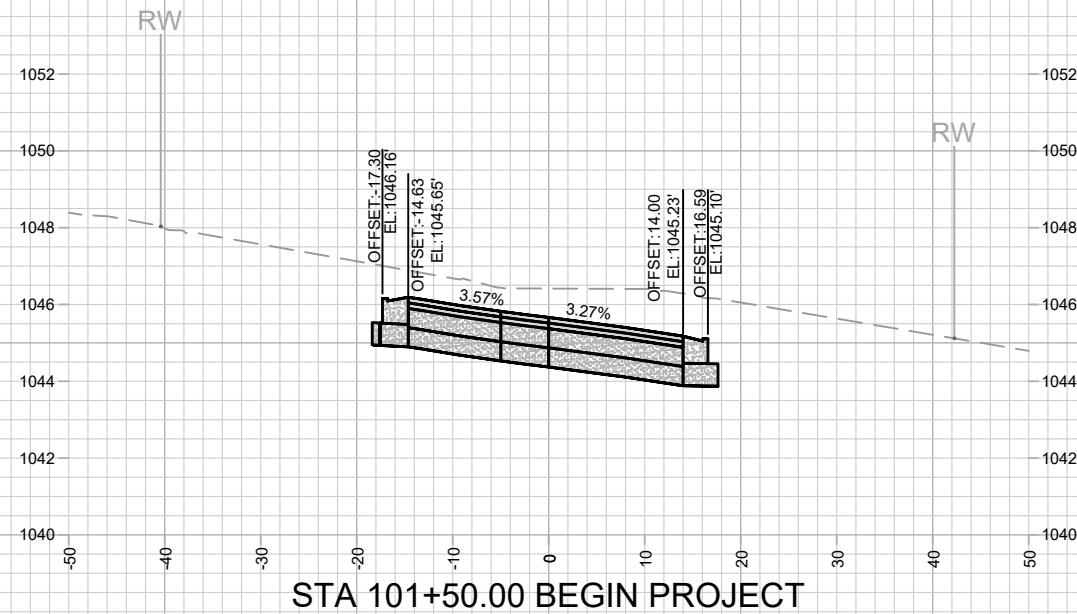
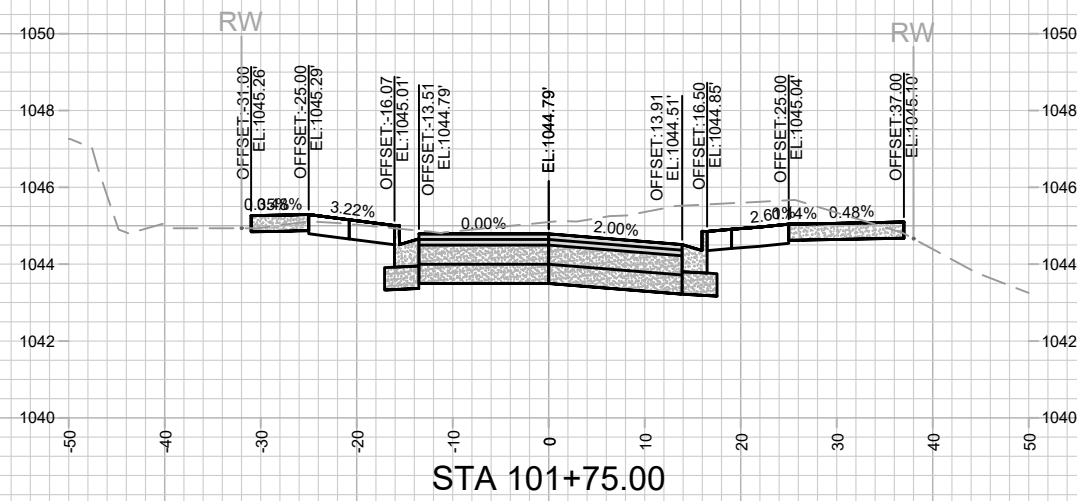
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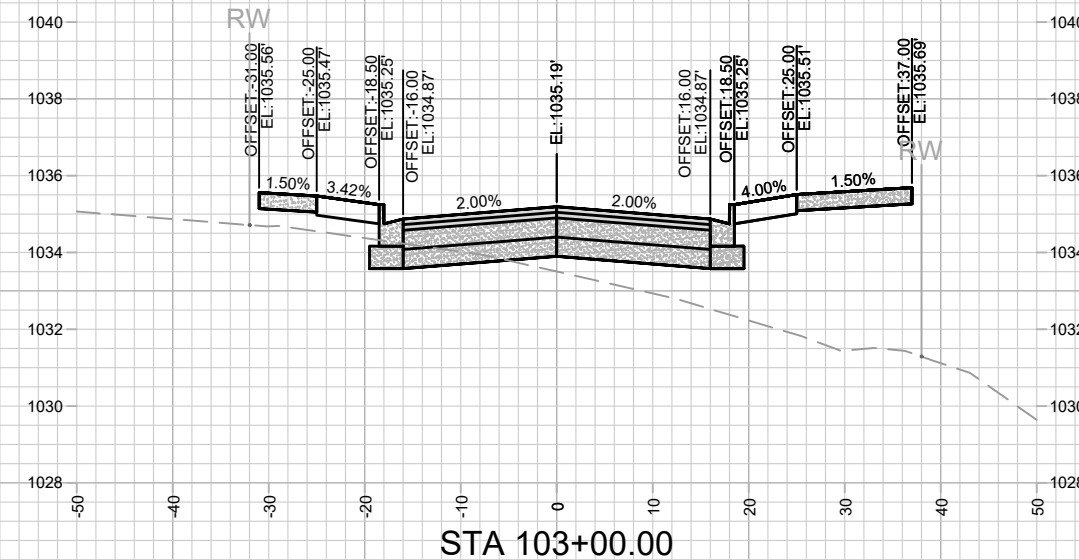
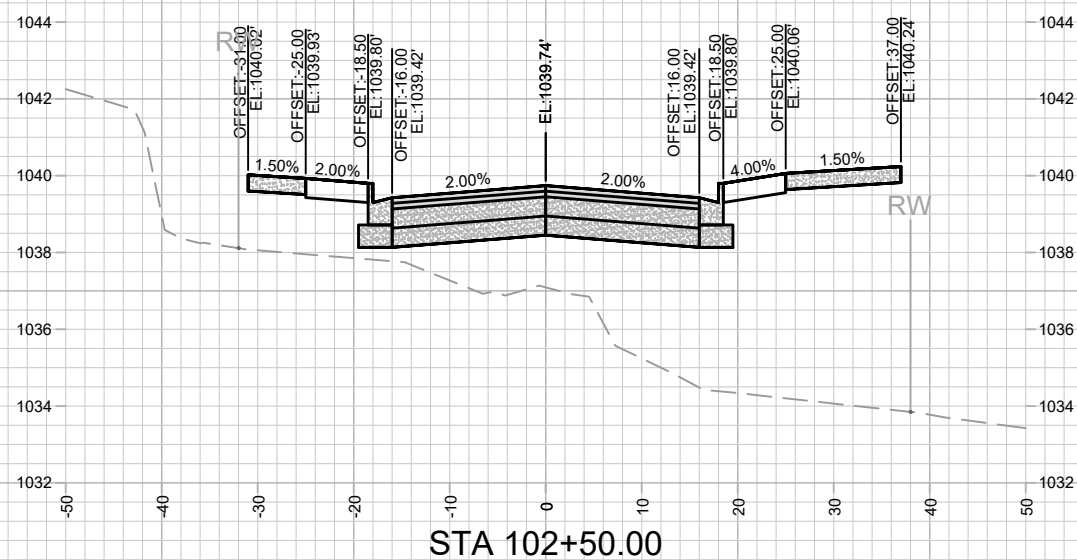
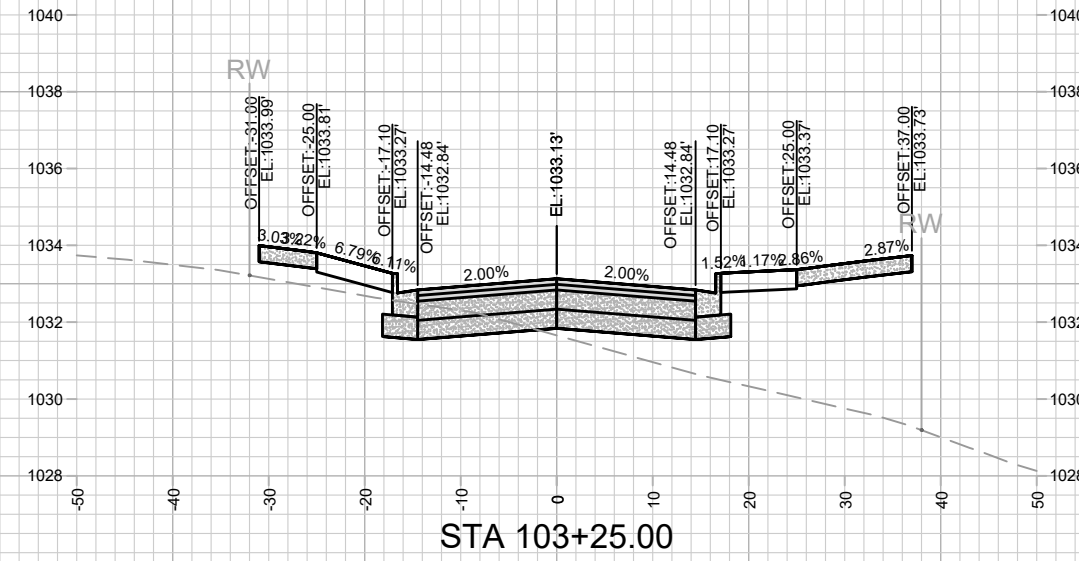
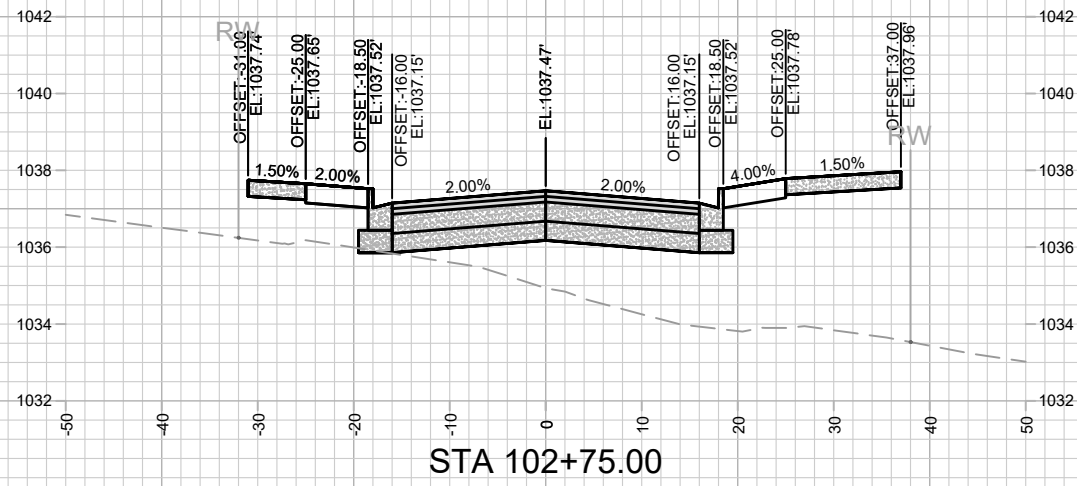
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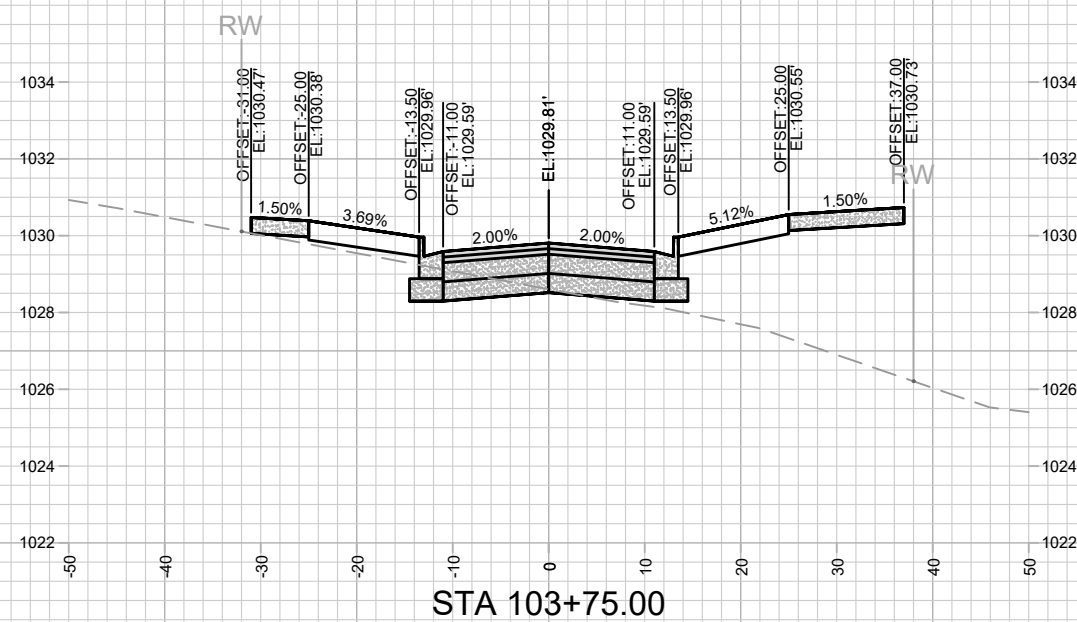
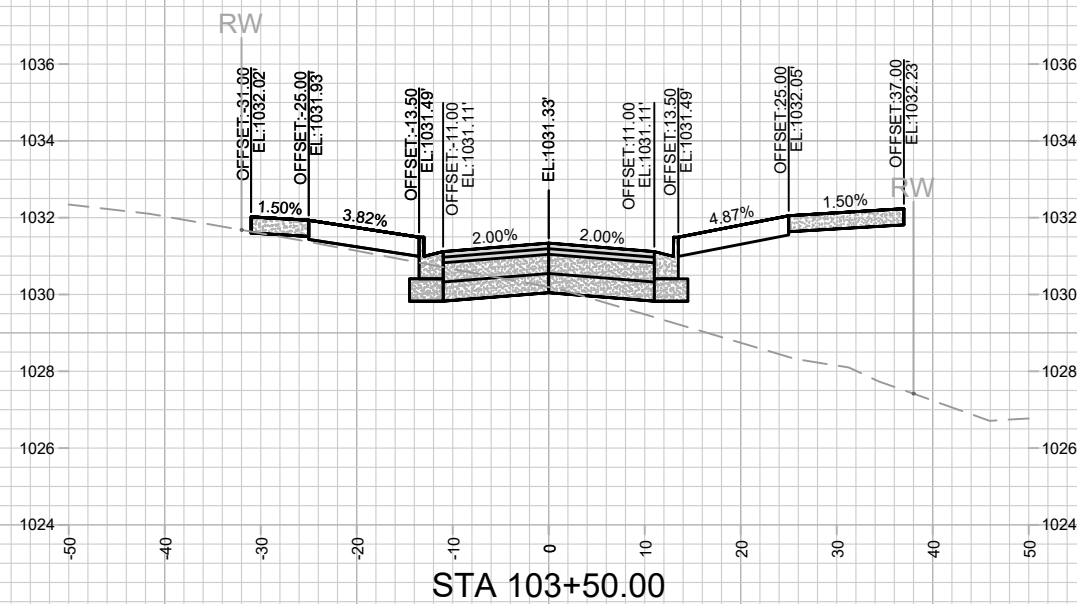
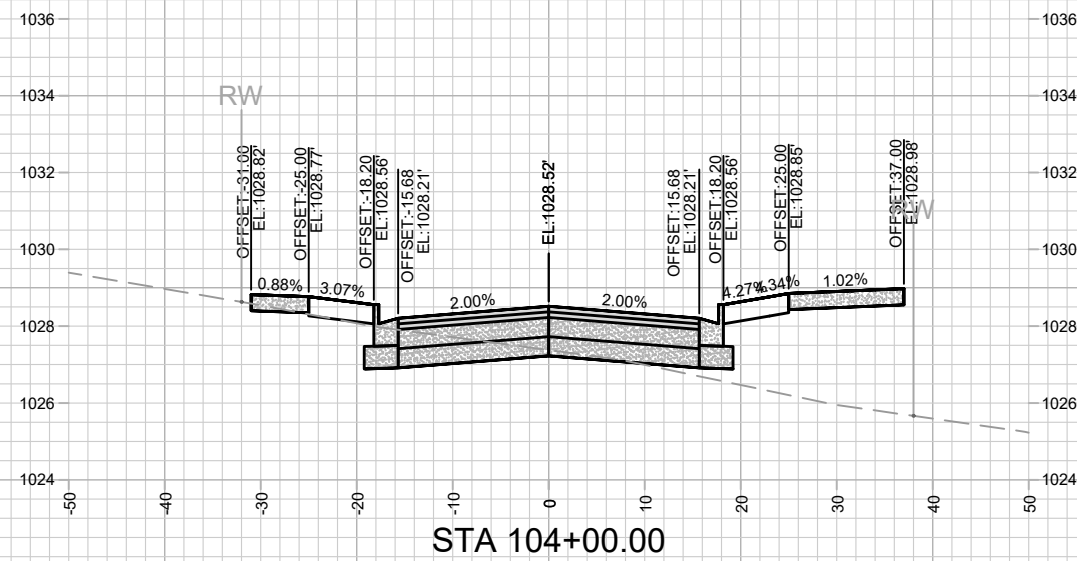
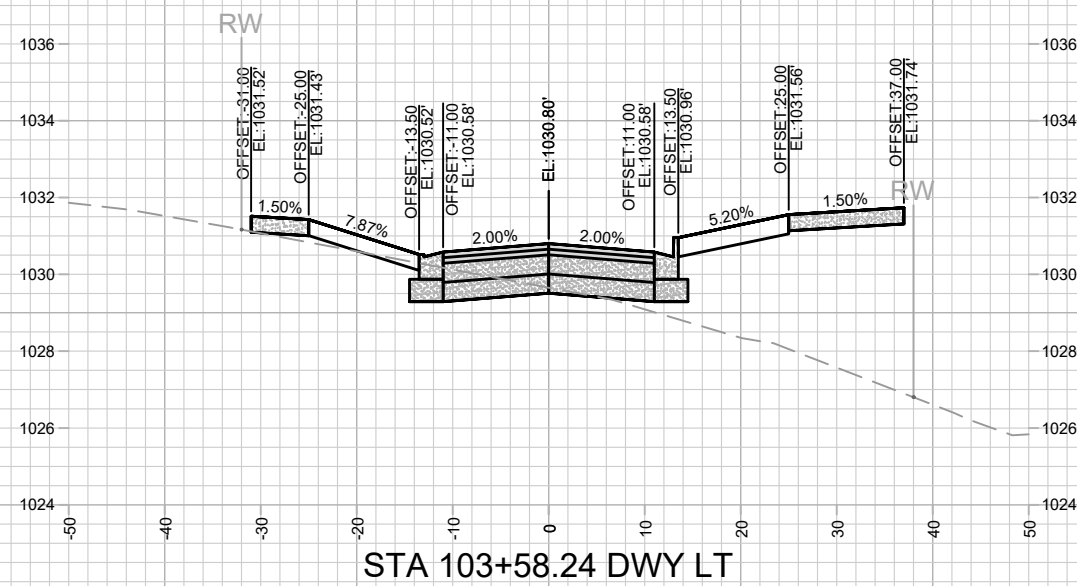


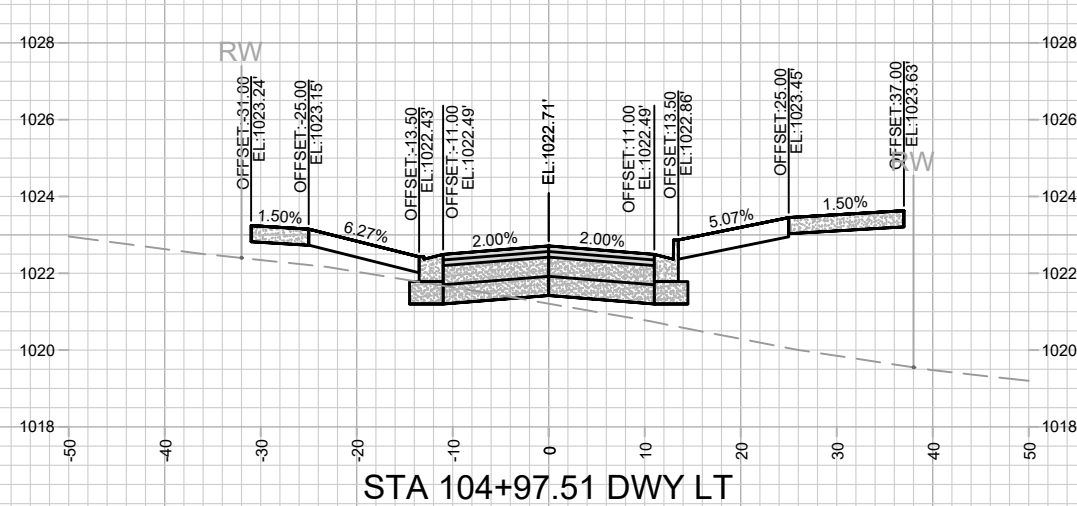
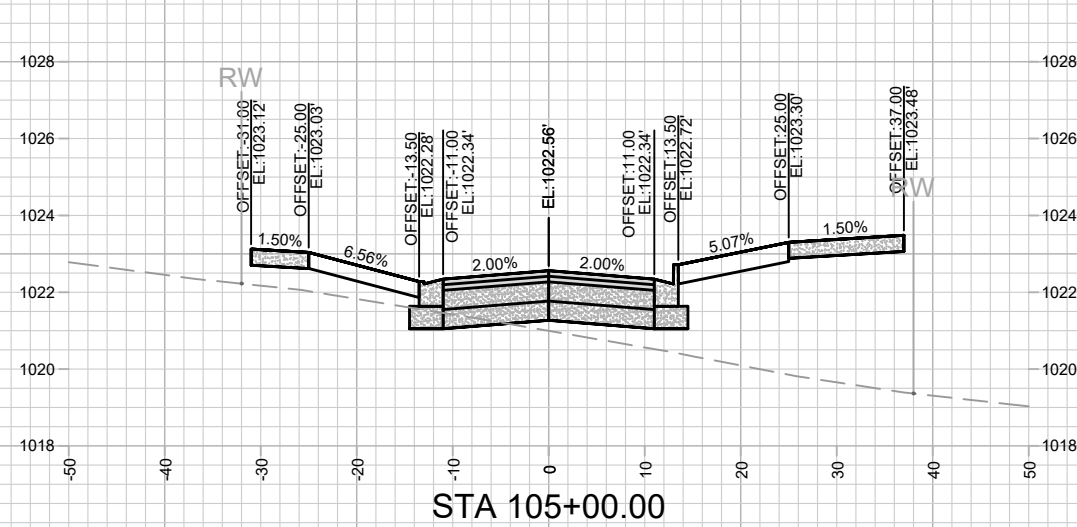
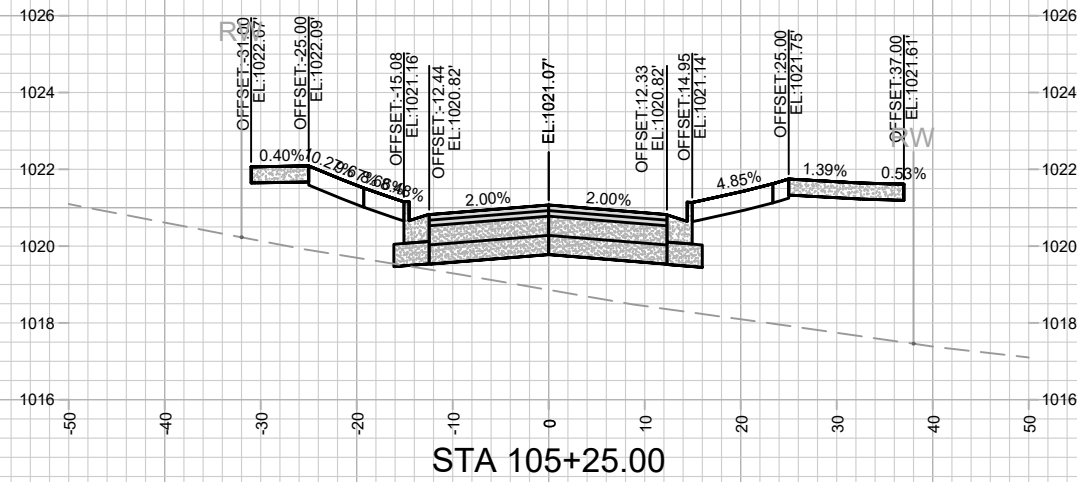
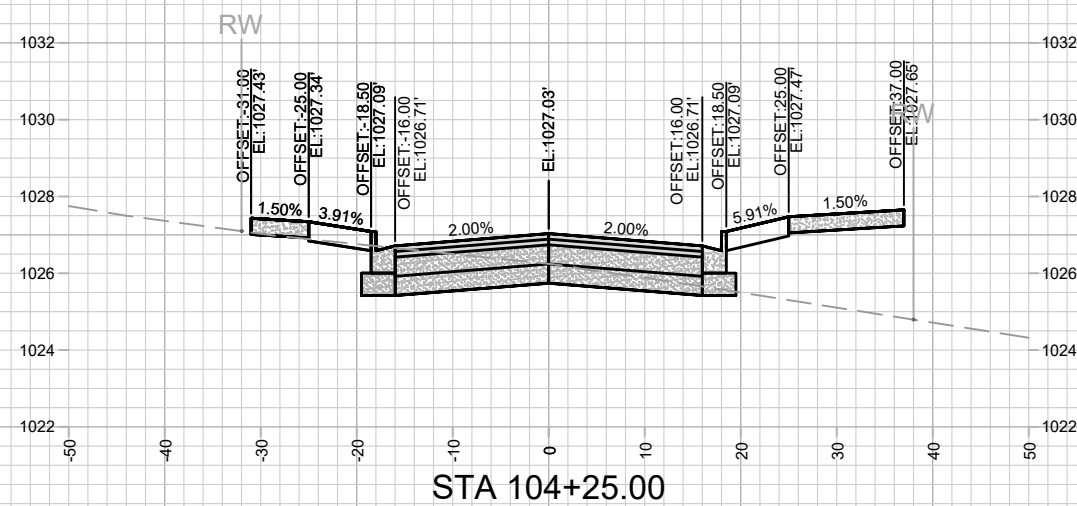
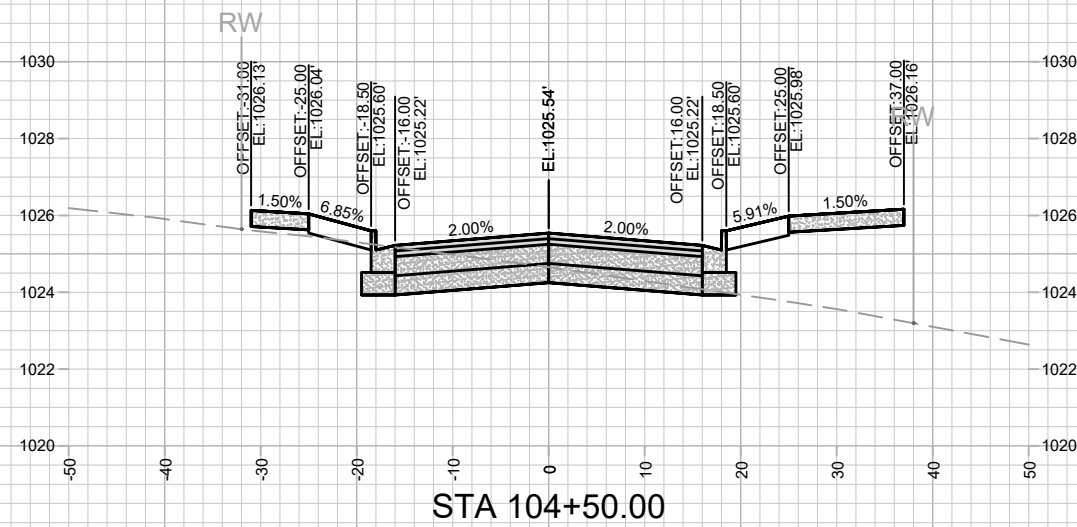
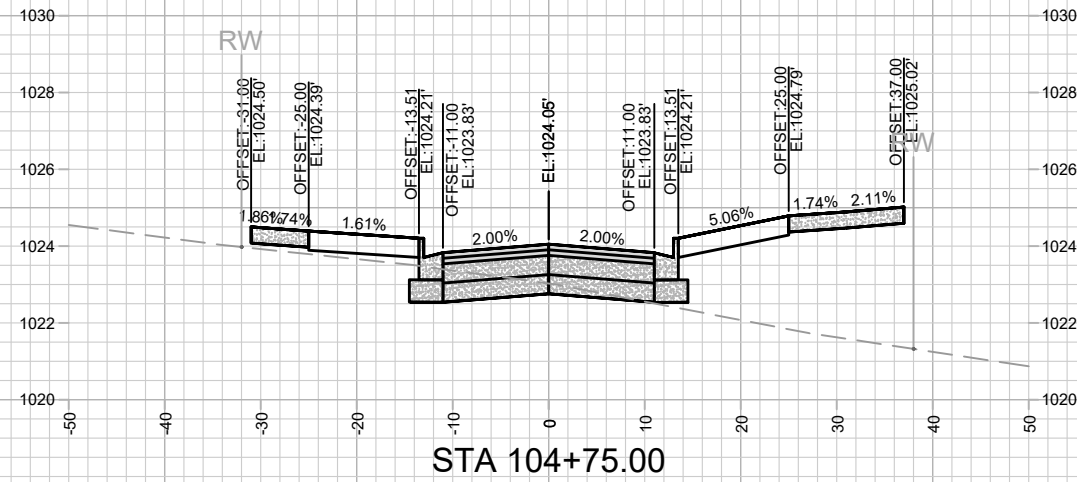
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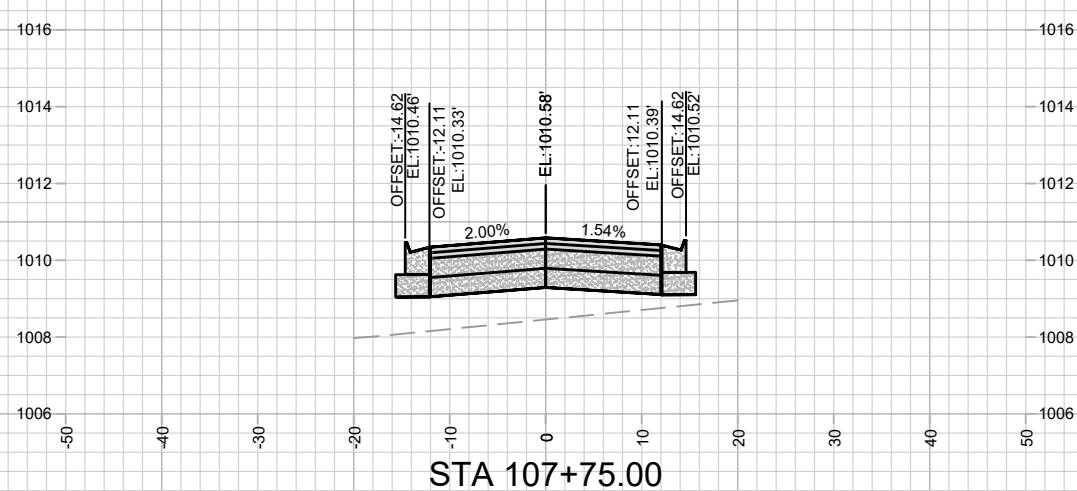
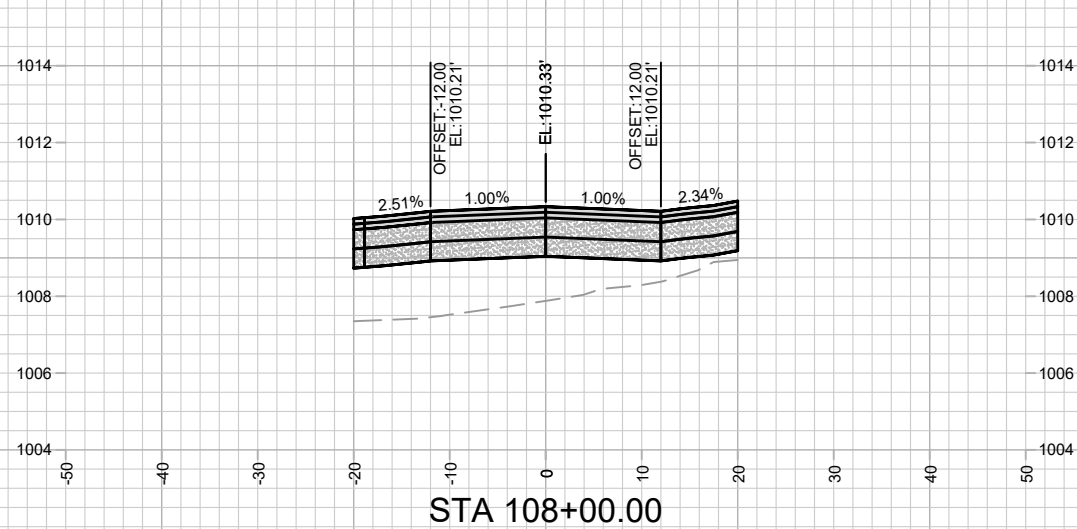
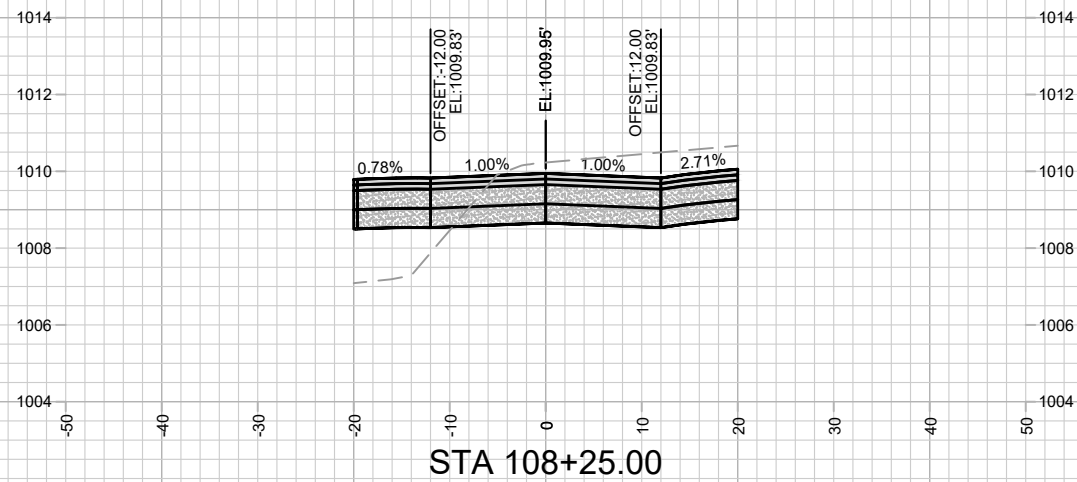
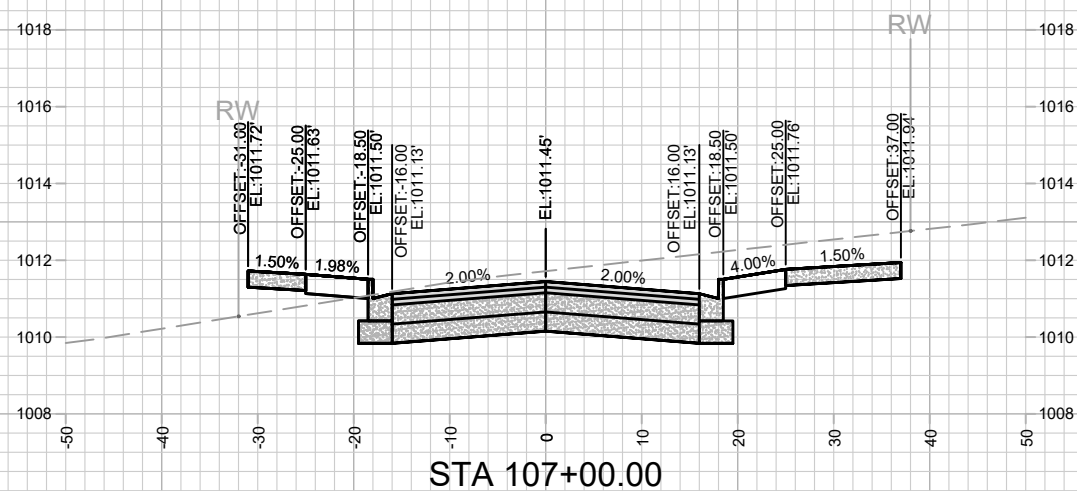
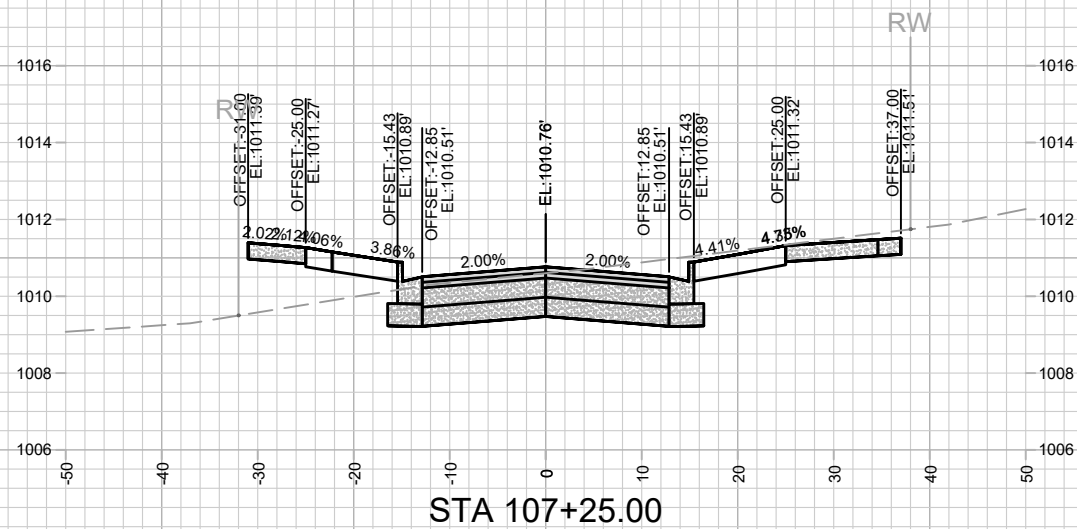
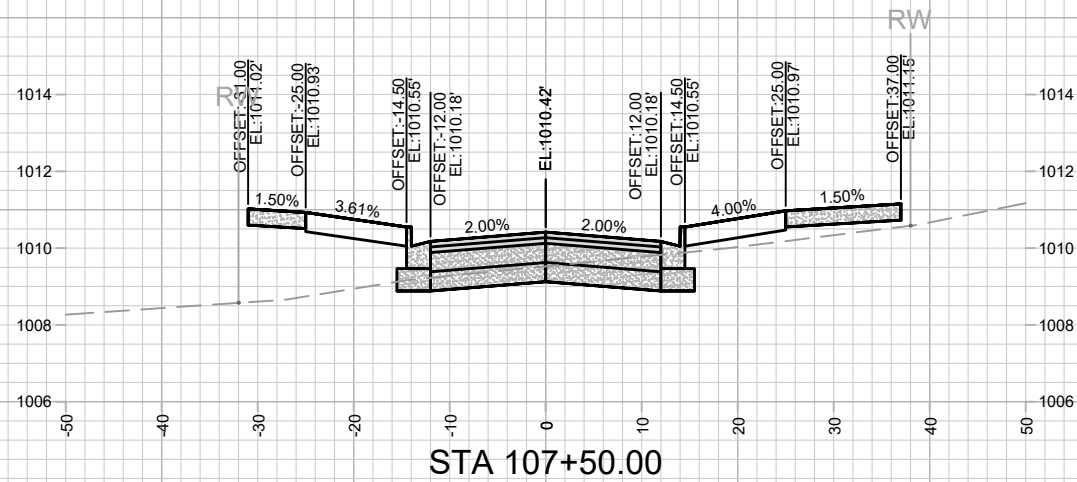


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13355
X-6

ELEMENT WAY CROSS SECTIONS
UNIVERSITY REASEARCH PARK - ELEMENT COLLECTIVE

13355
MADISON, WI

CONTRACT NO:

9003

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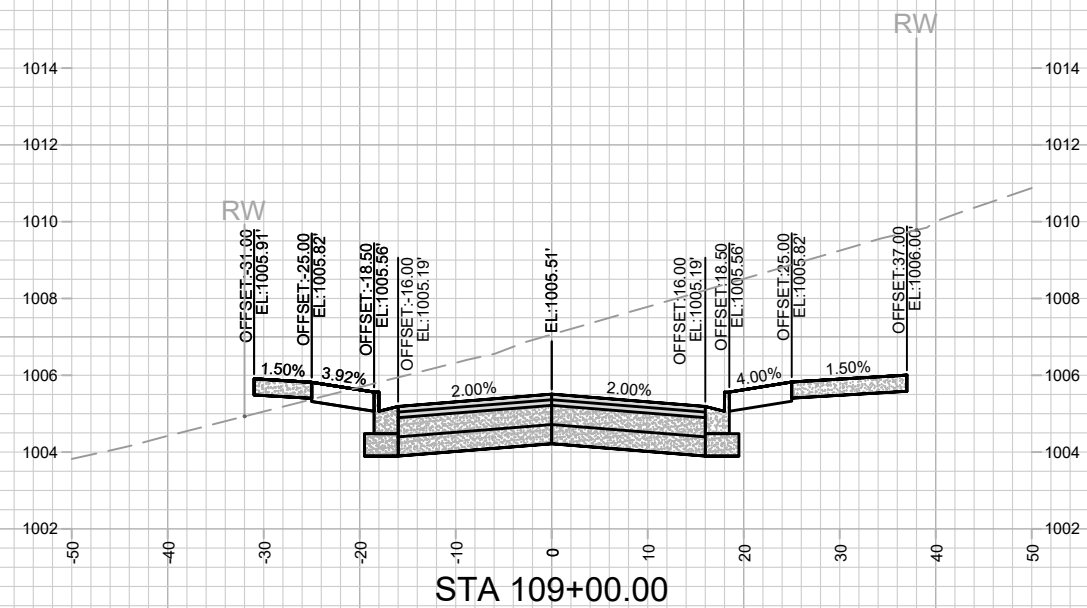
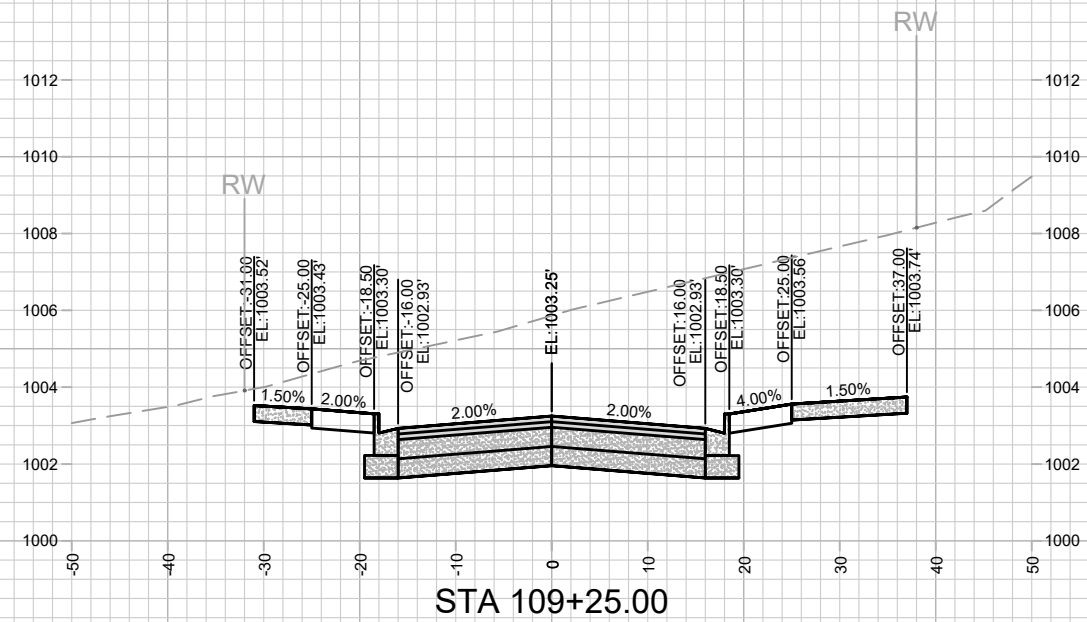
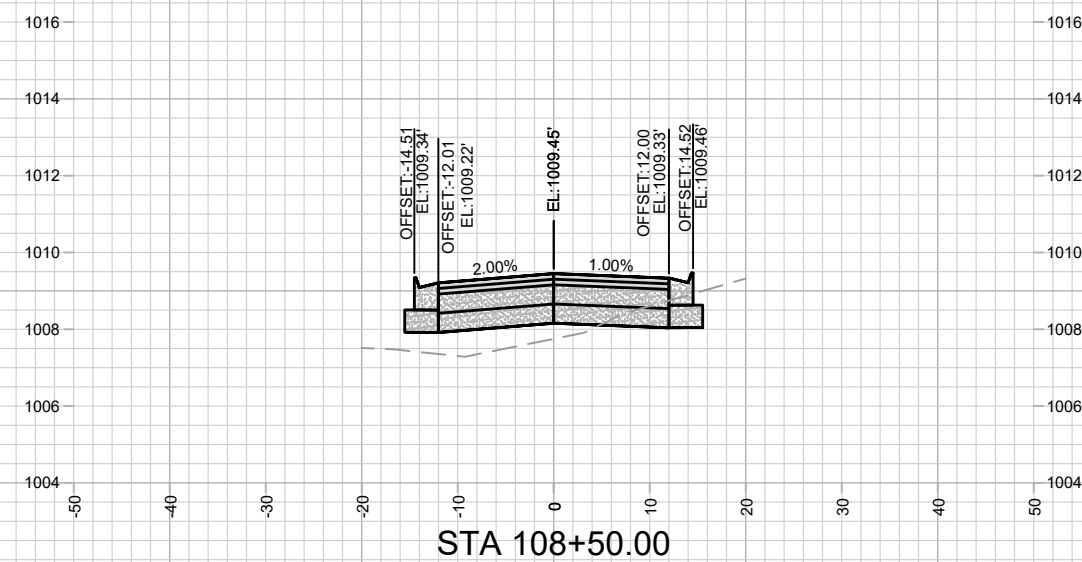
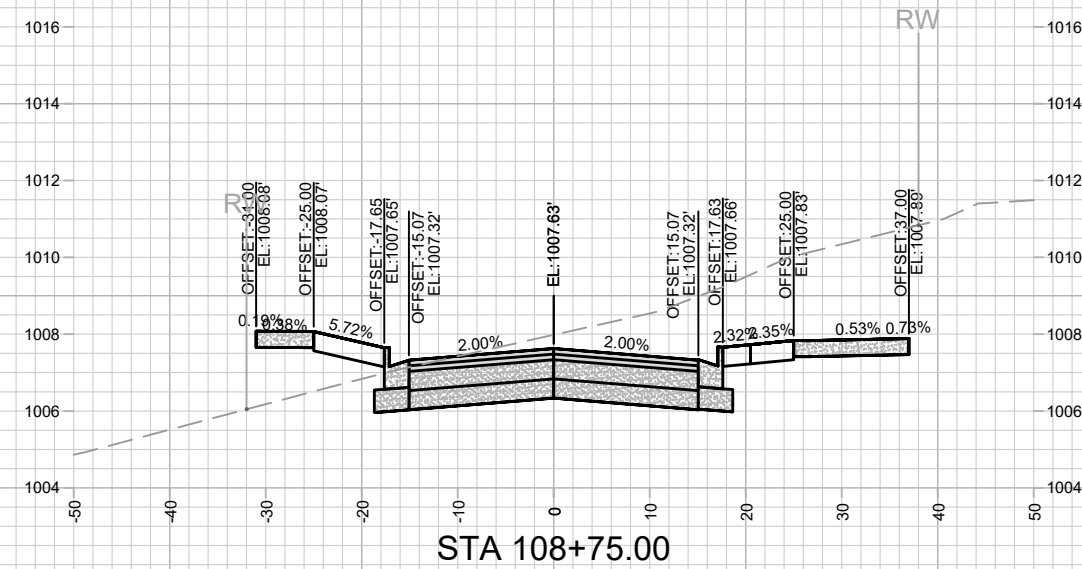
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Date: 5/25/2022 1:56 PM

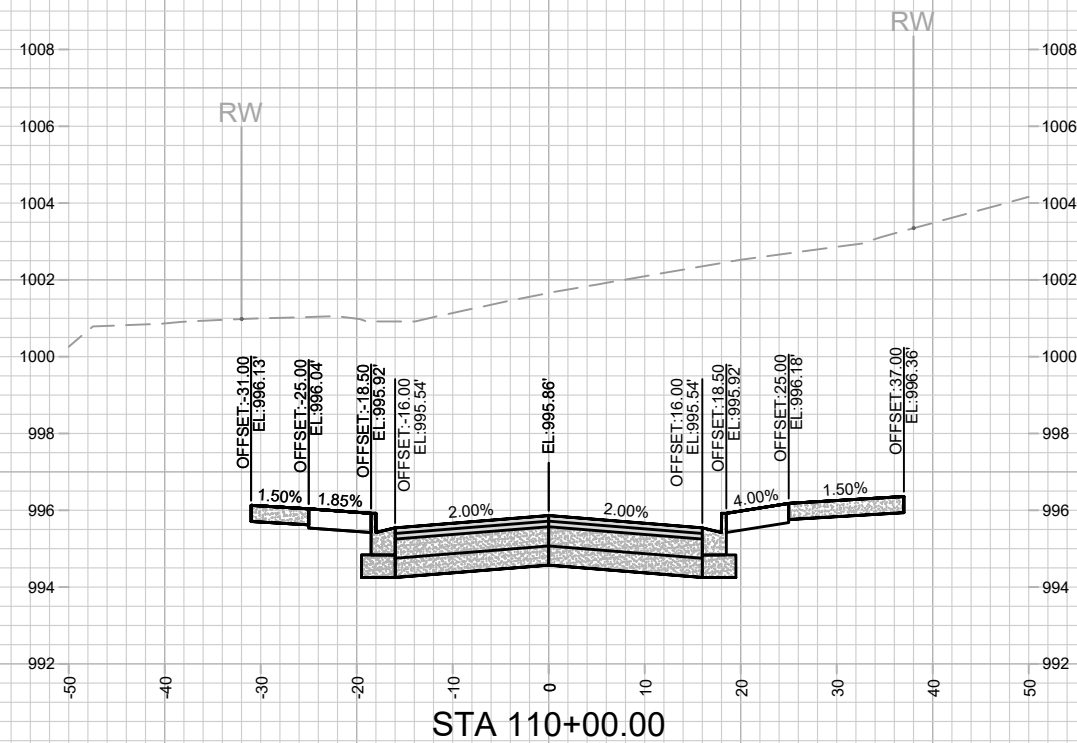
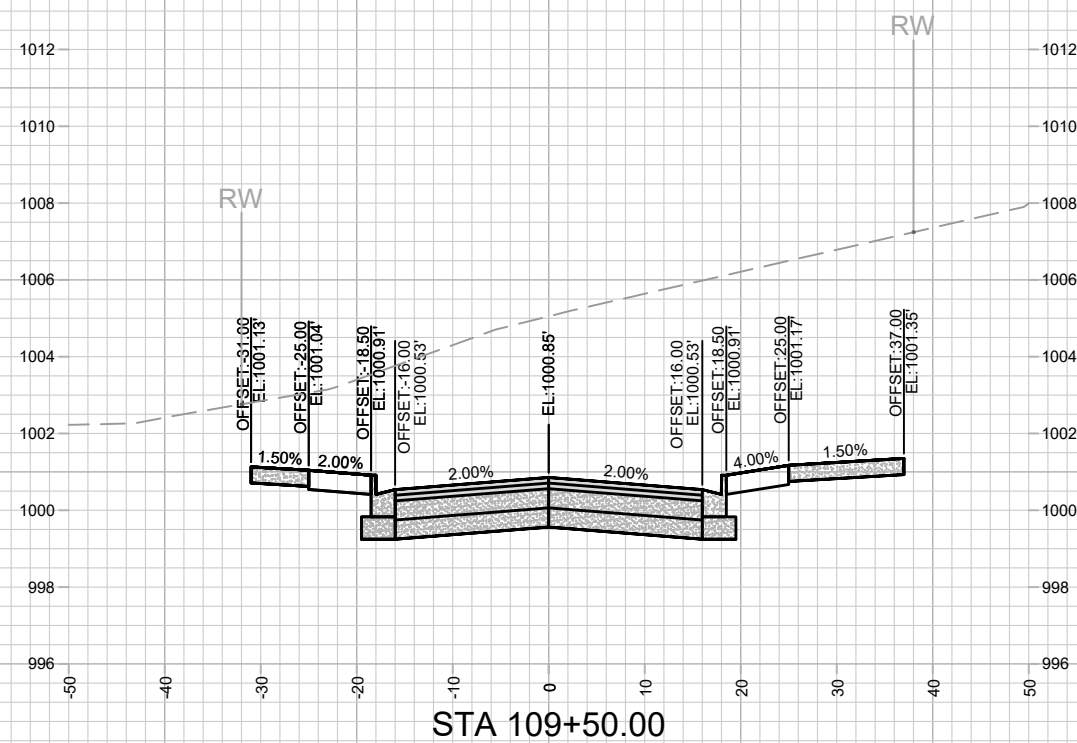
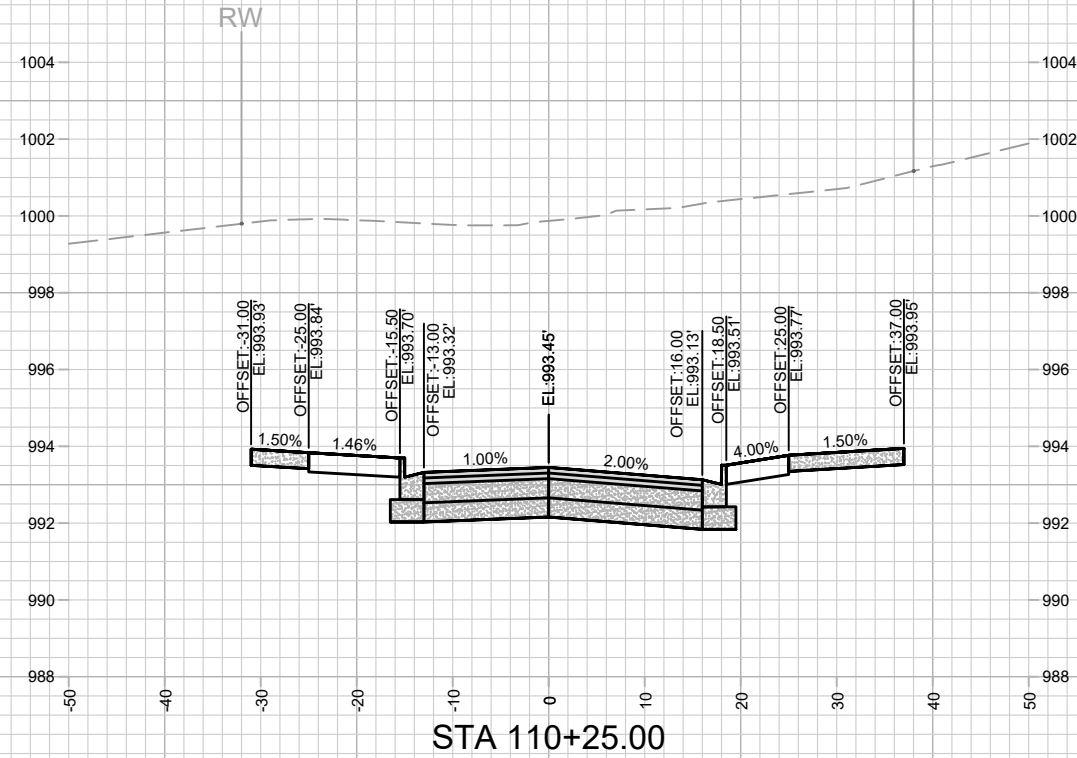
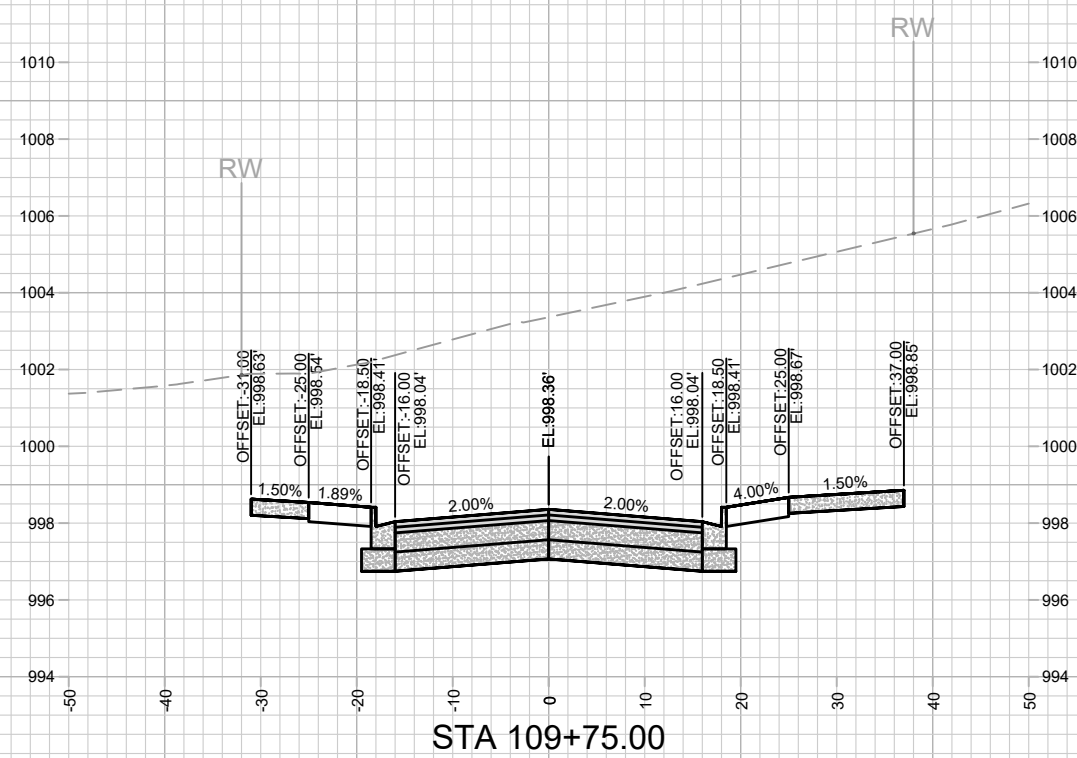
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Desiged By: AJZ

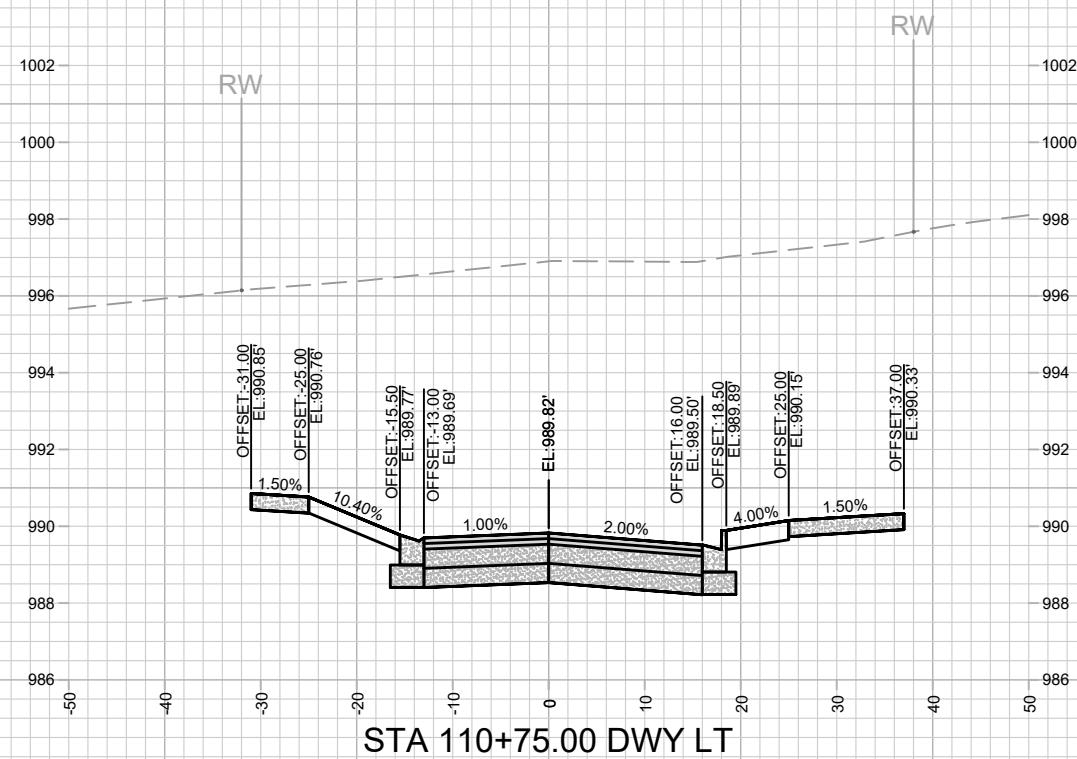
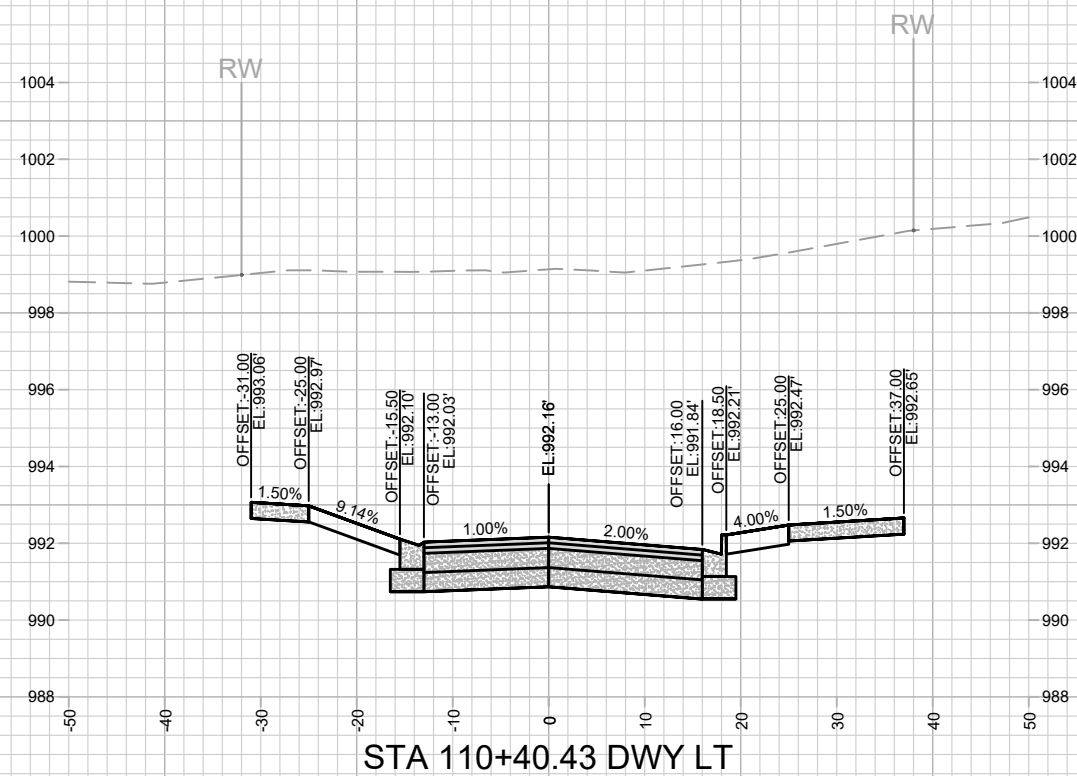
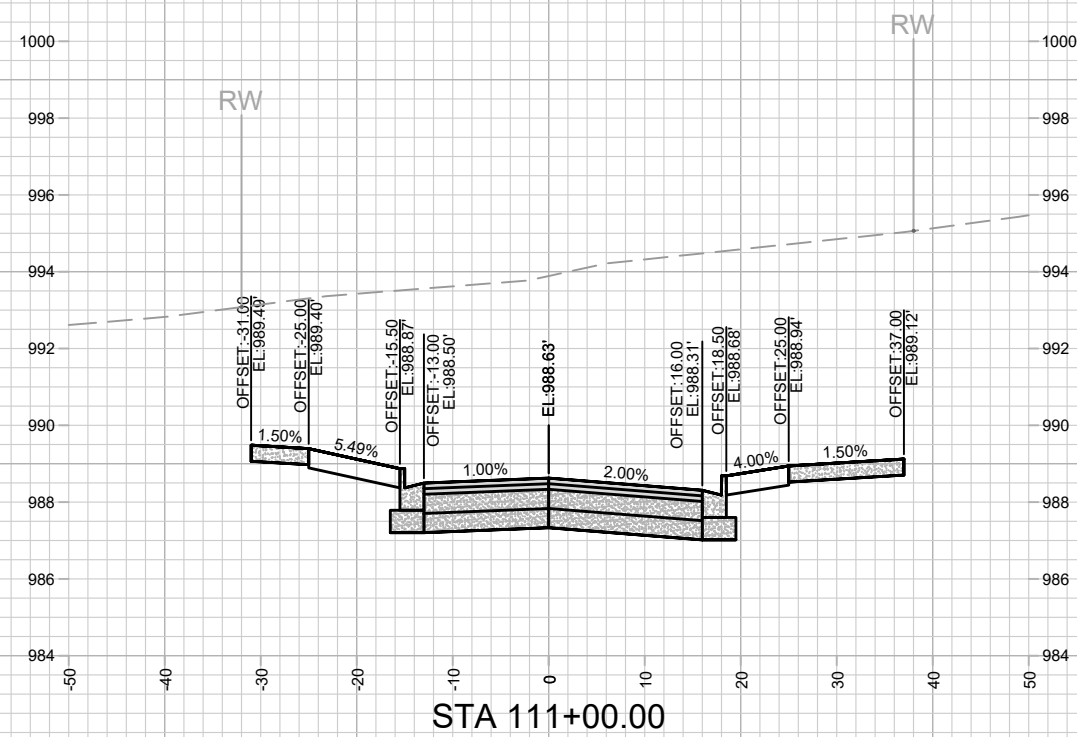
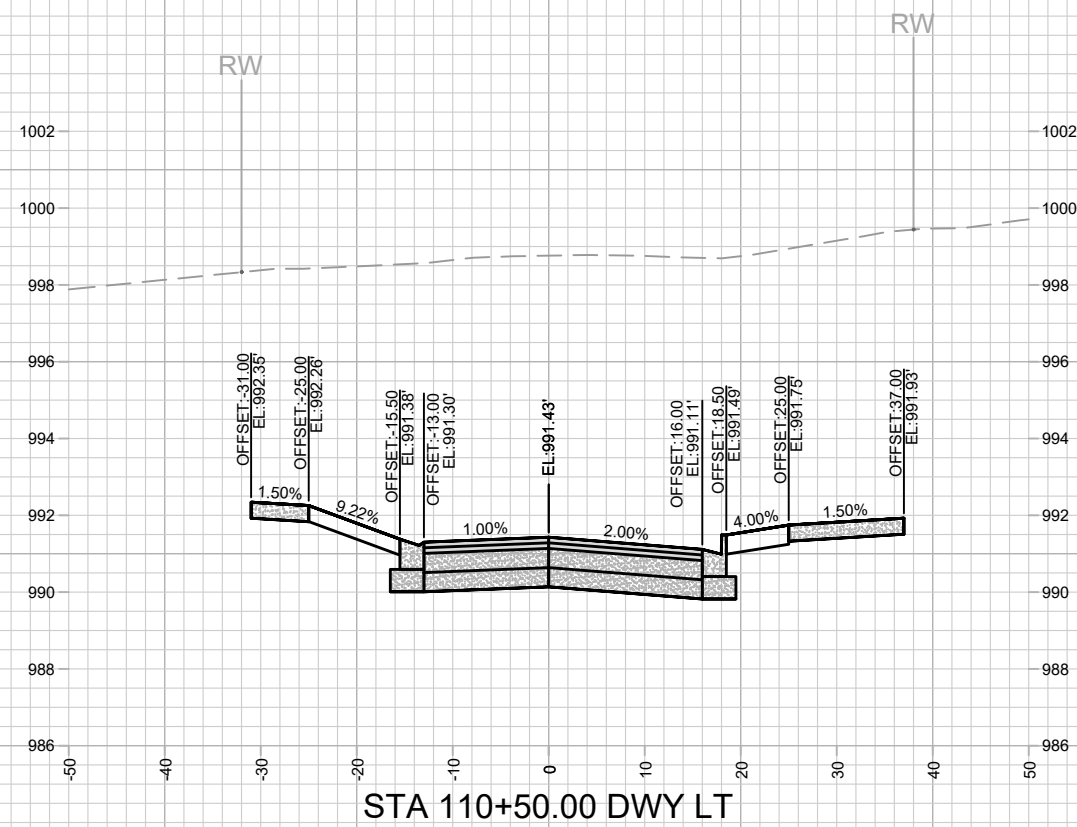
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BY

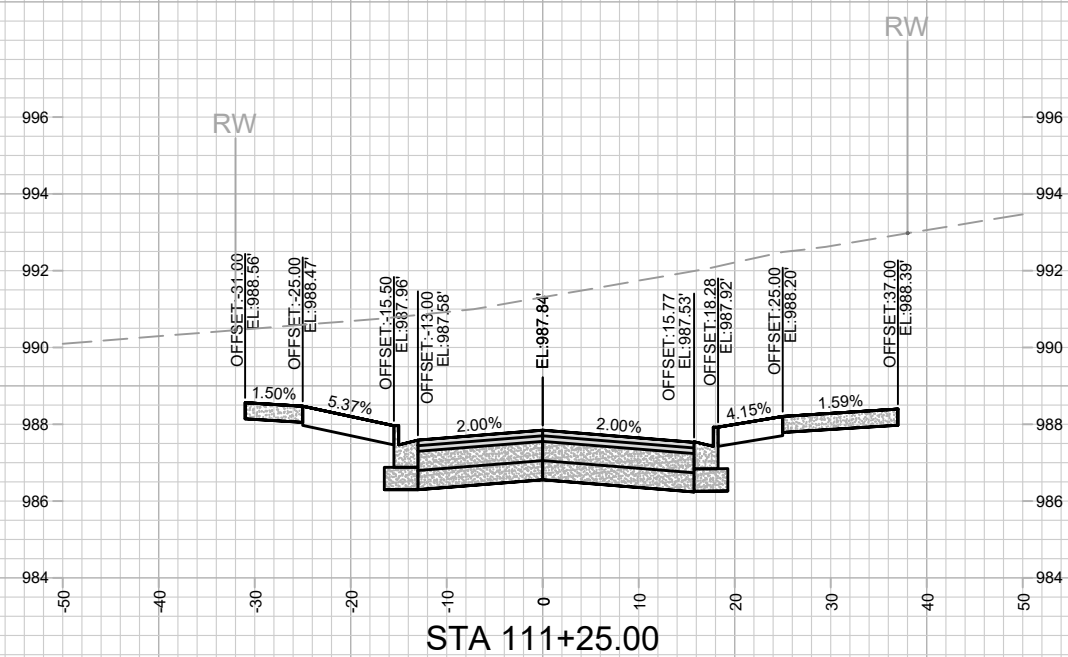
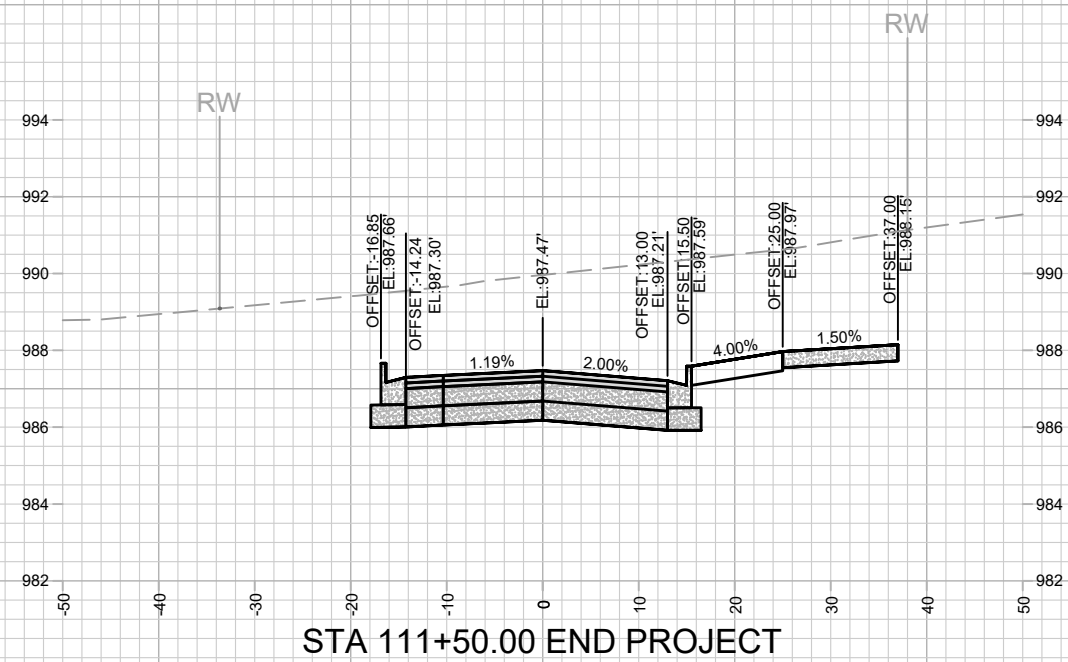
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Designed By: AJZ	Date: 5/25/2022 1:58 PM	Scale: #####	
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13355

X-10

ELEMENT WAY CROSS SECTIONS

UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE

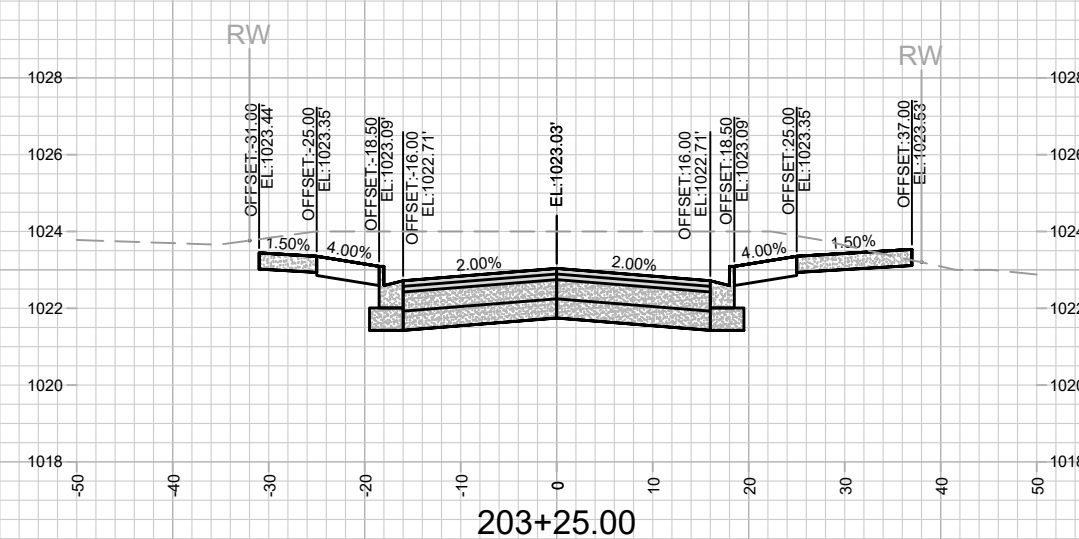
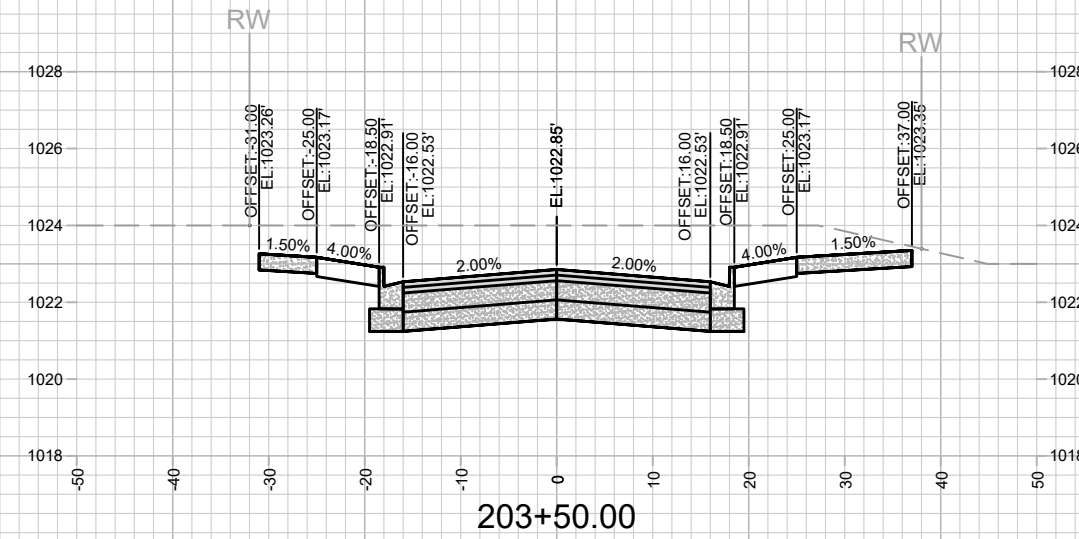
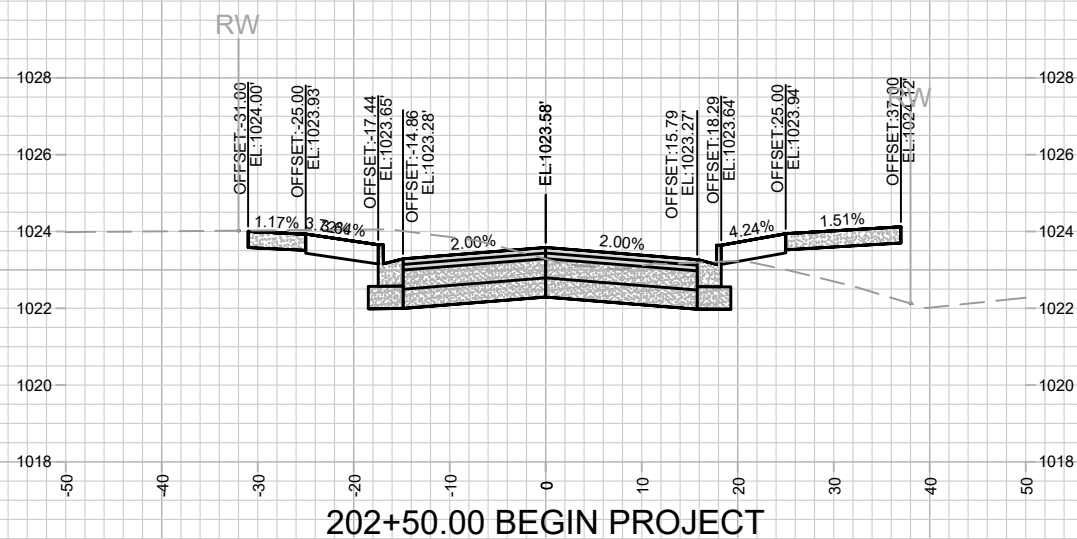
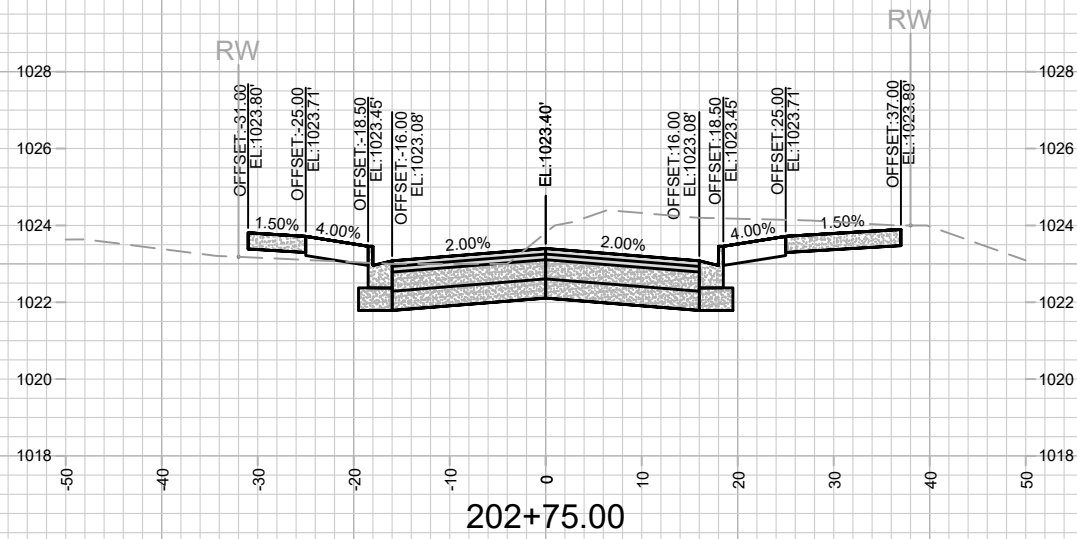
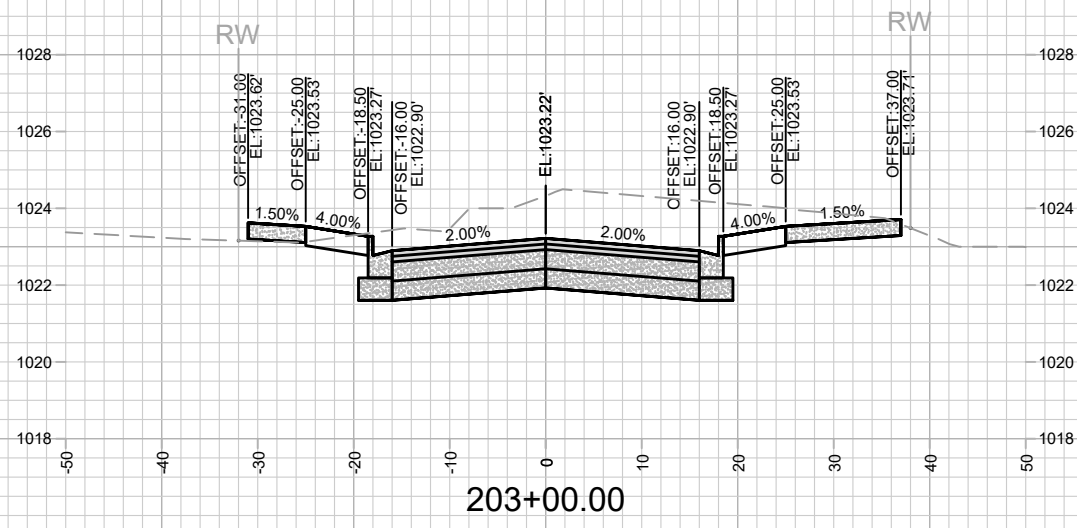
MADISON, WI

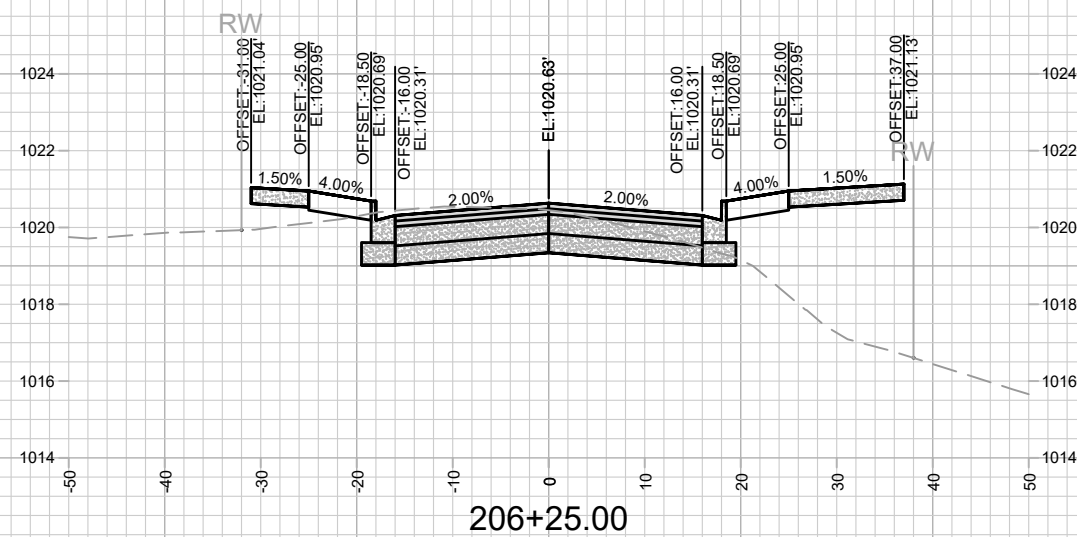
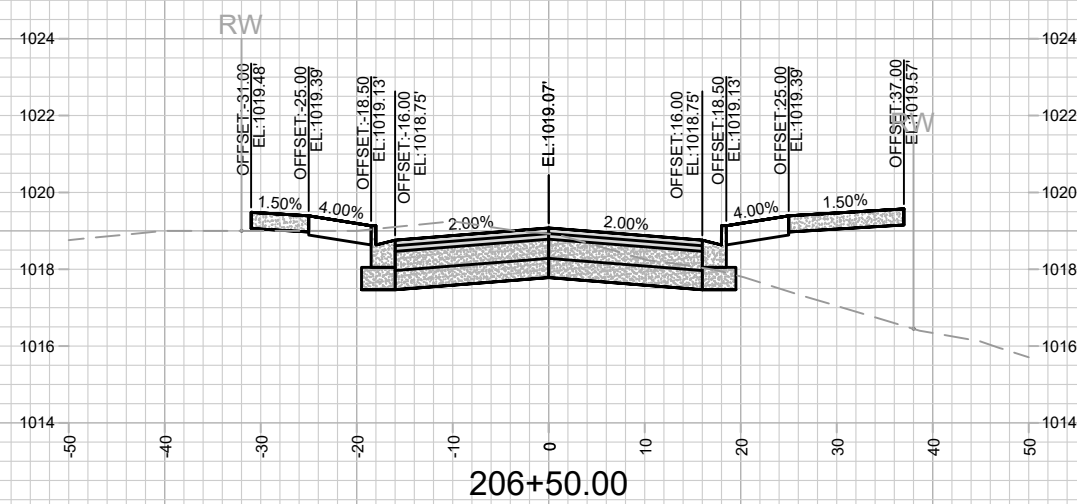
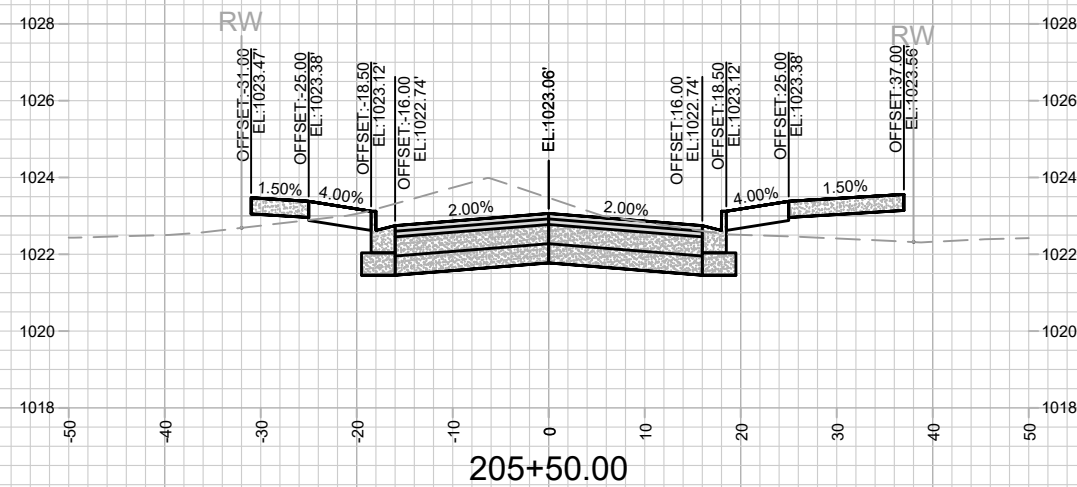
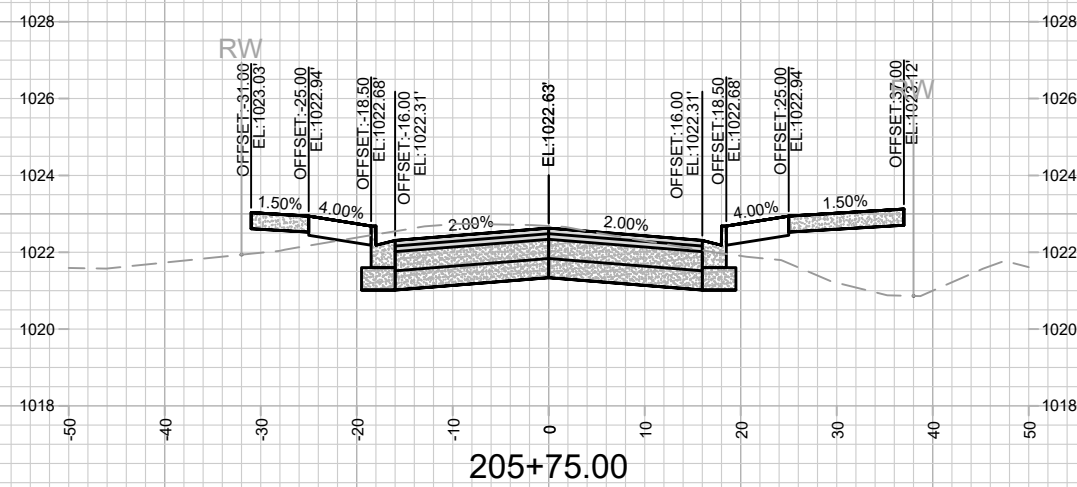
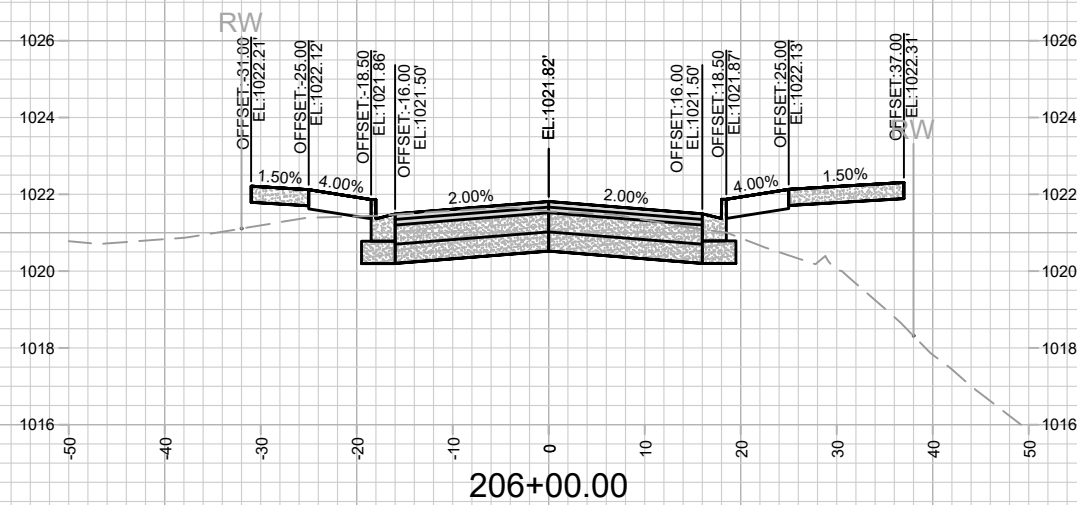
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13355
X-13

CATALYST WAY CROSS SECTIONS
UNIVERSITY REASEARCH PARK - E

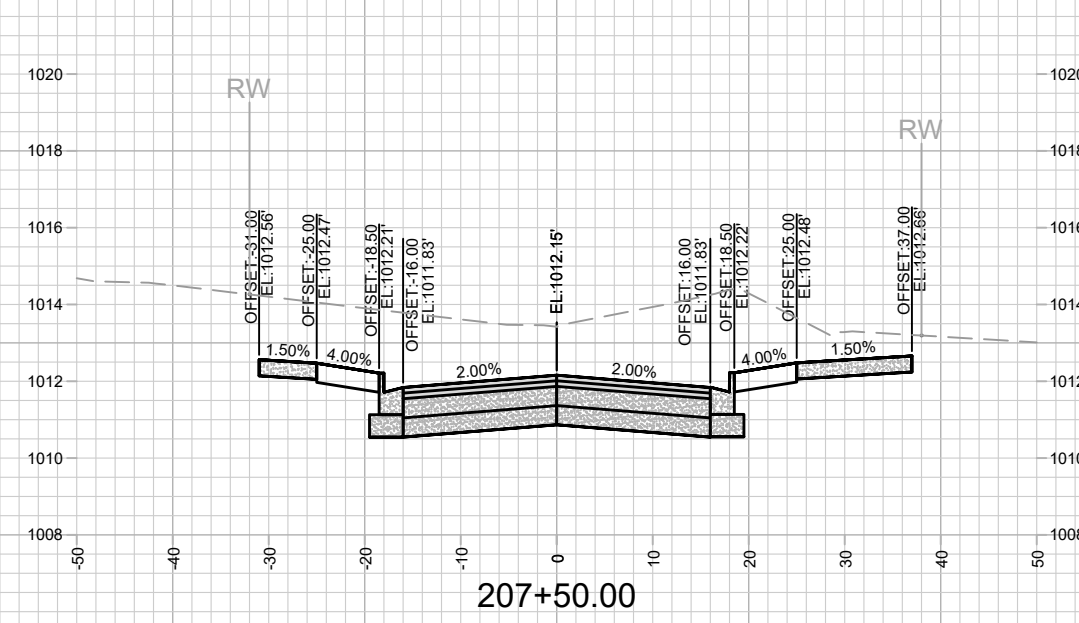
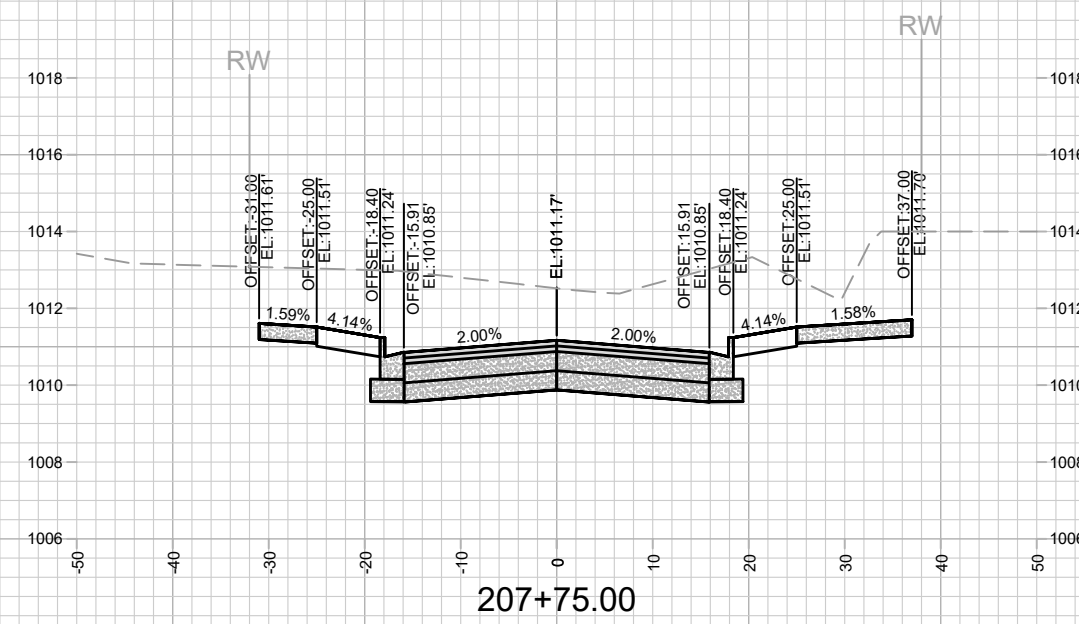
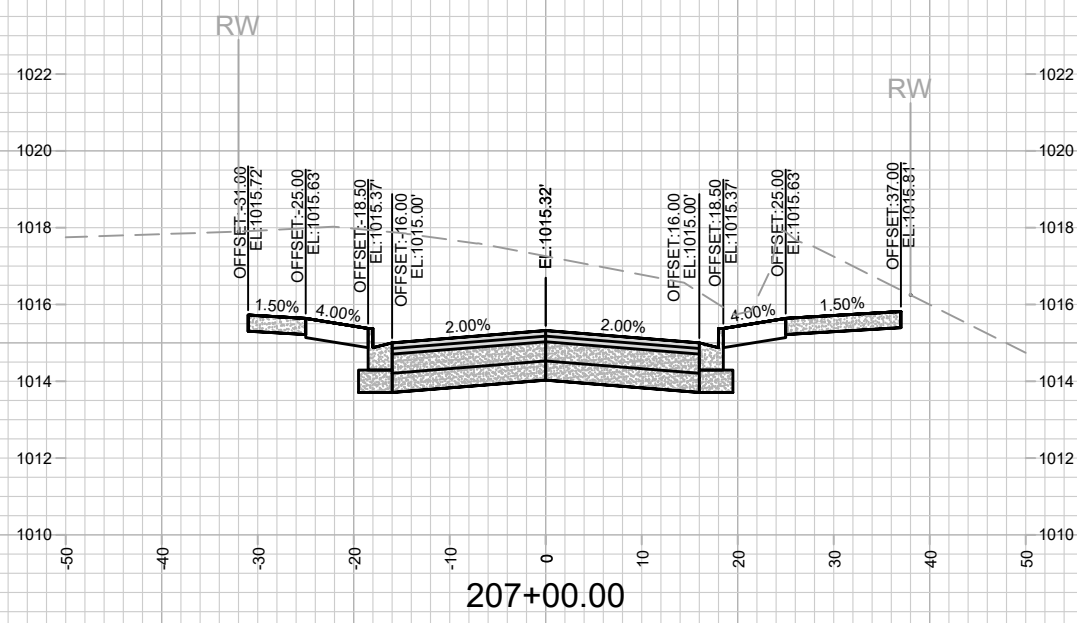
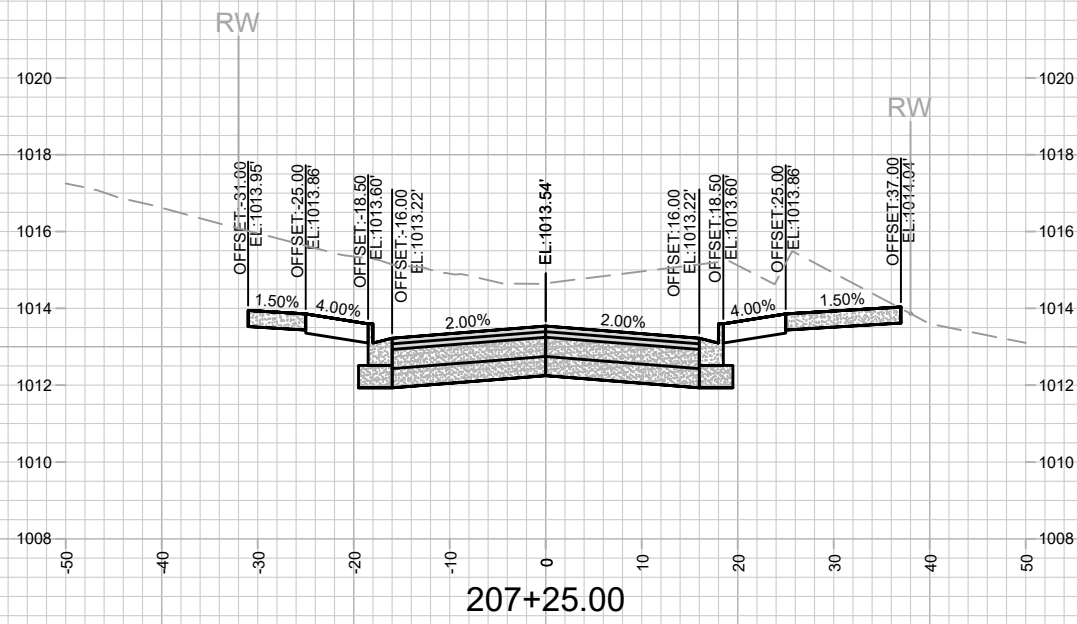
13355
MADISON, WI
9003

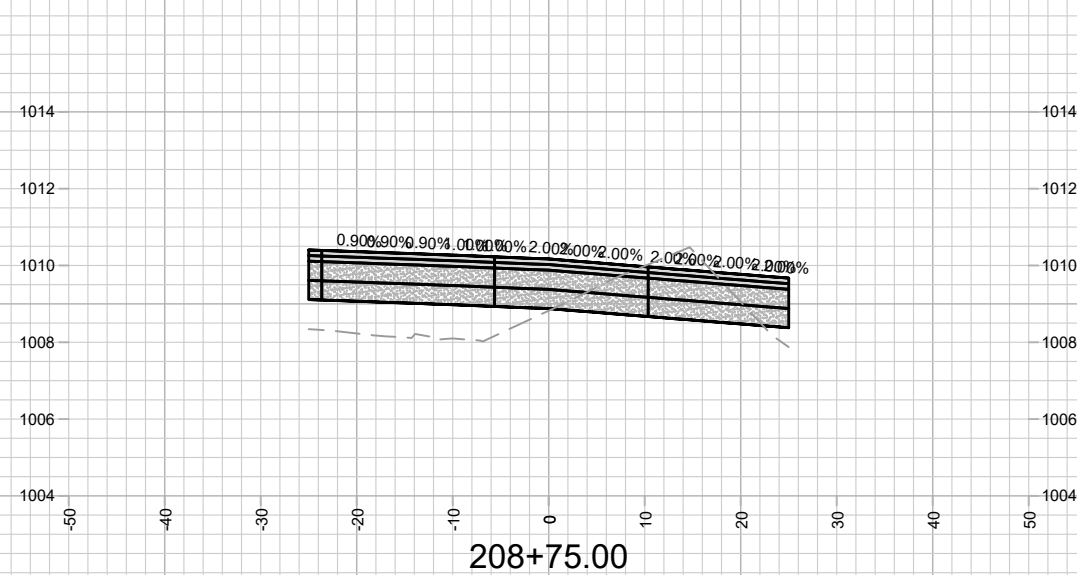
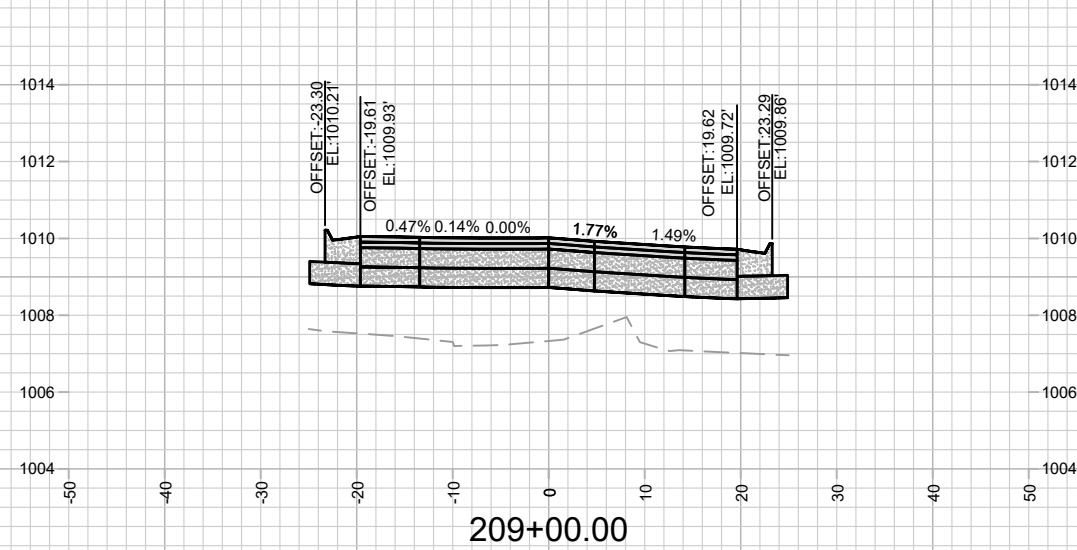
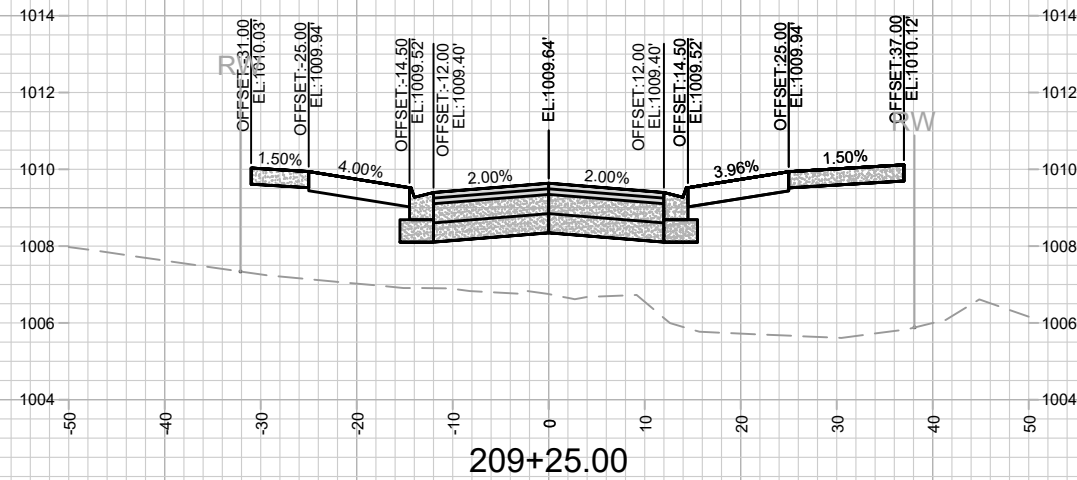
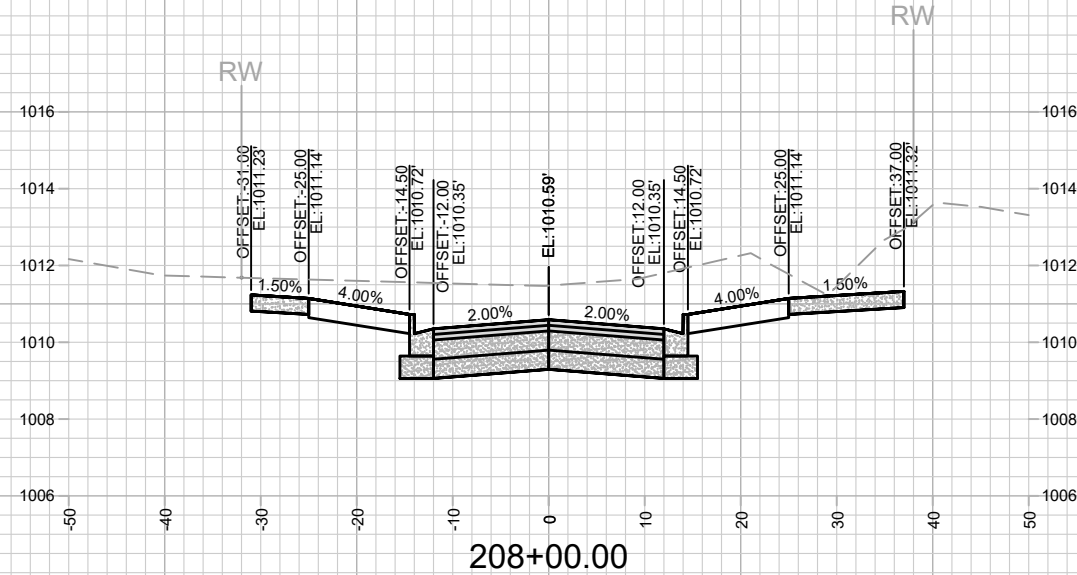
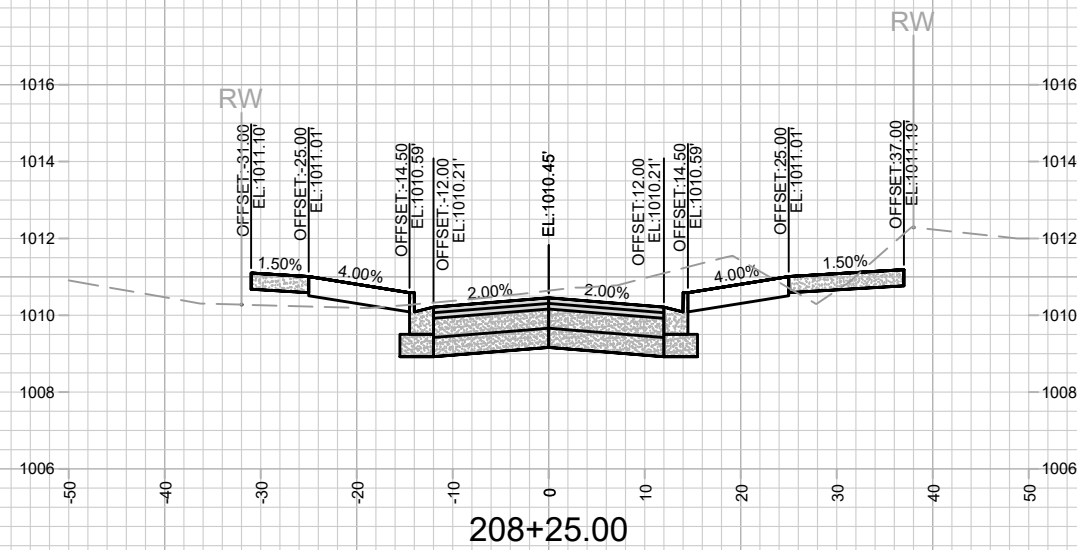
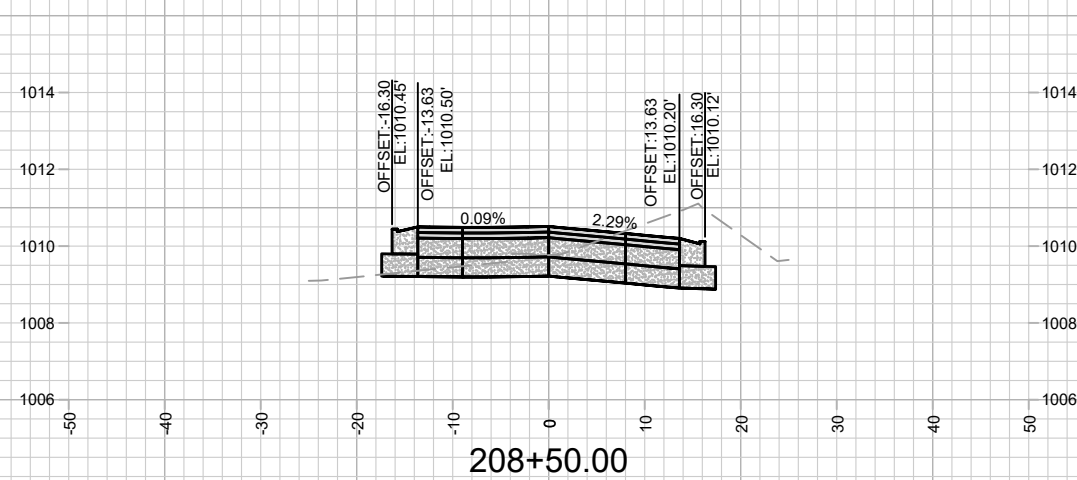
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X-15

CATALYST WAY CROSS SECTIONS

13355

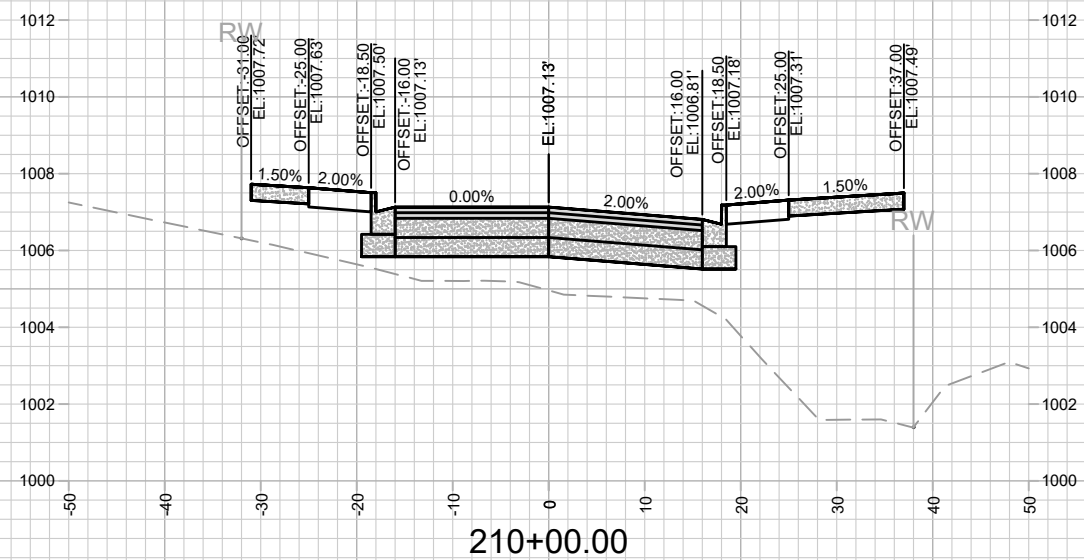
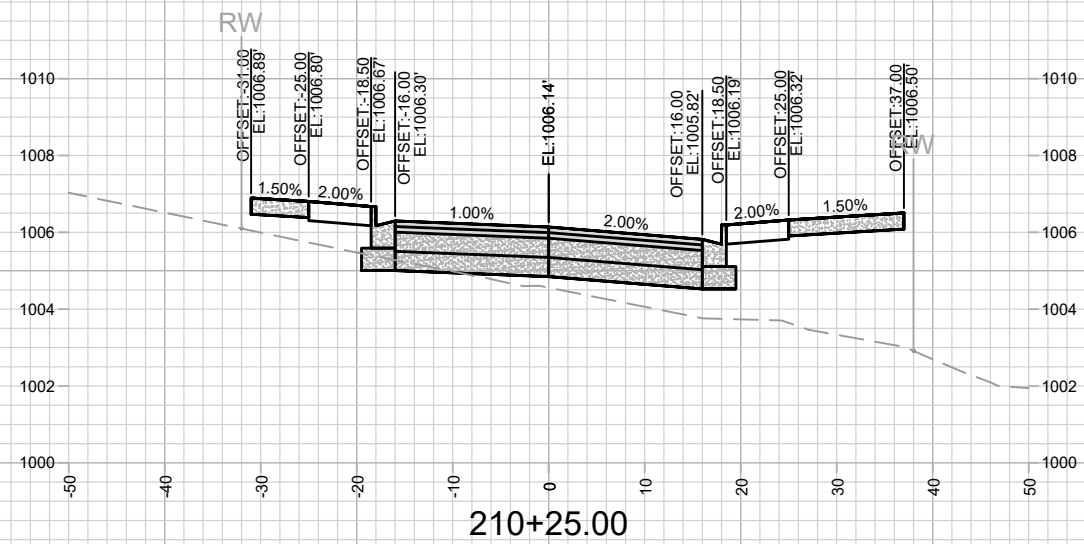
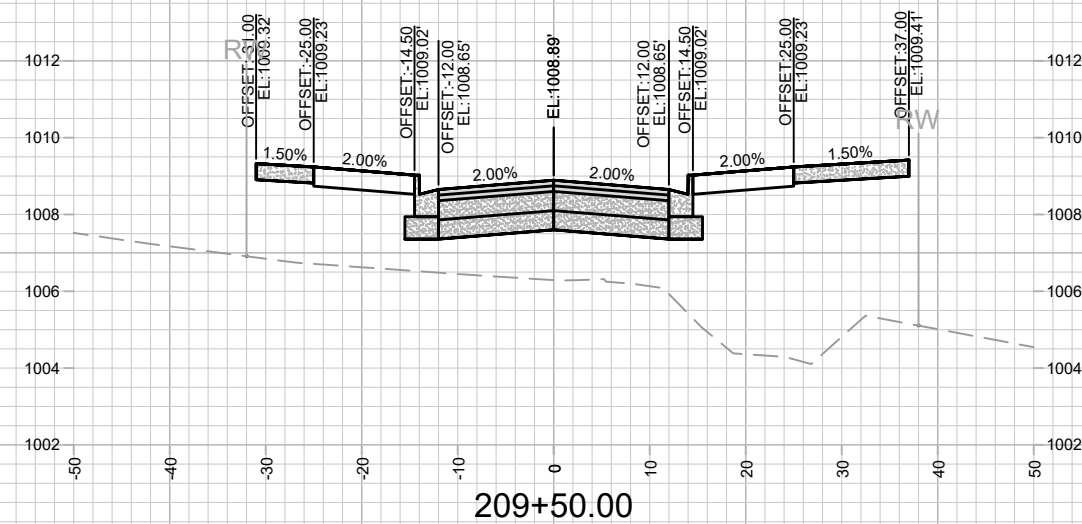
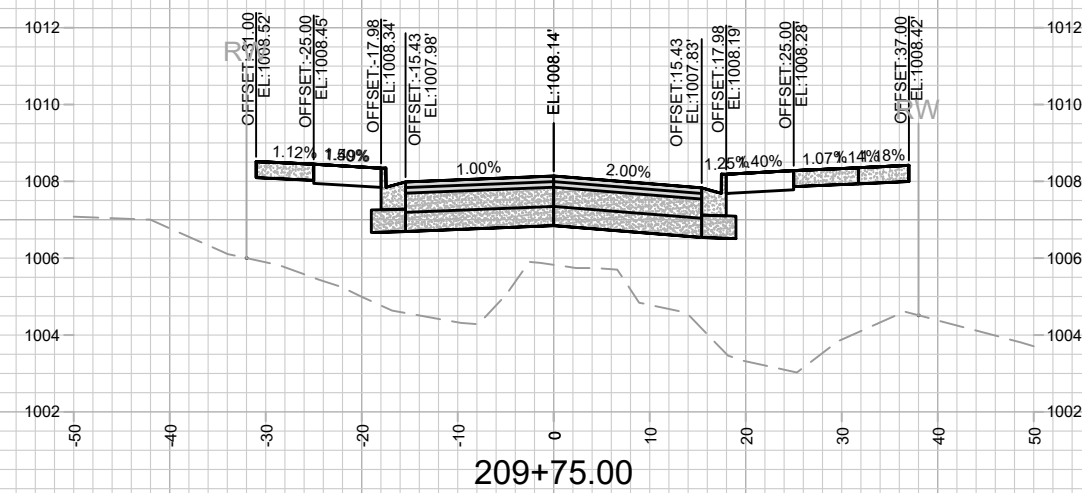
MADISON, WI

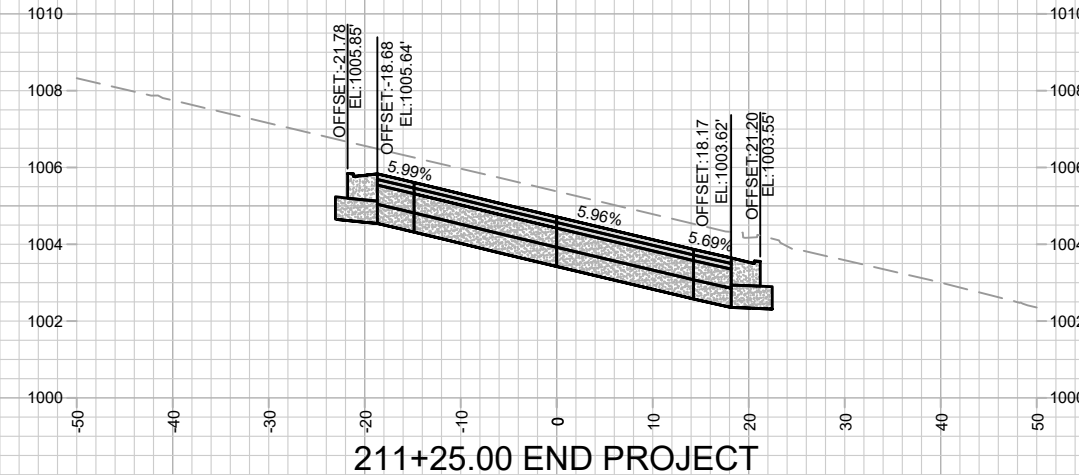
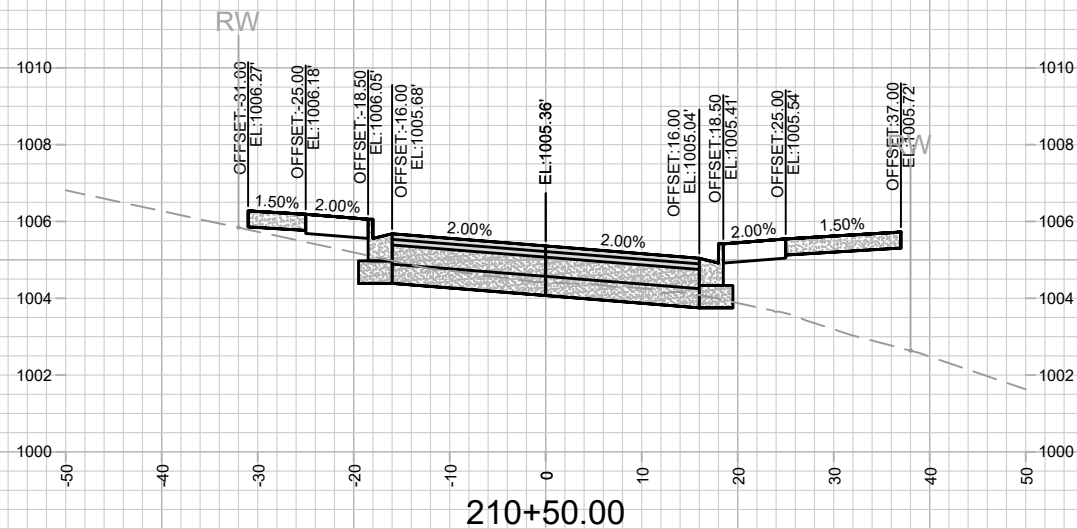
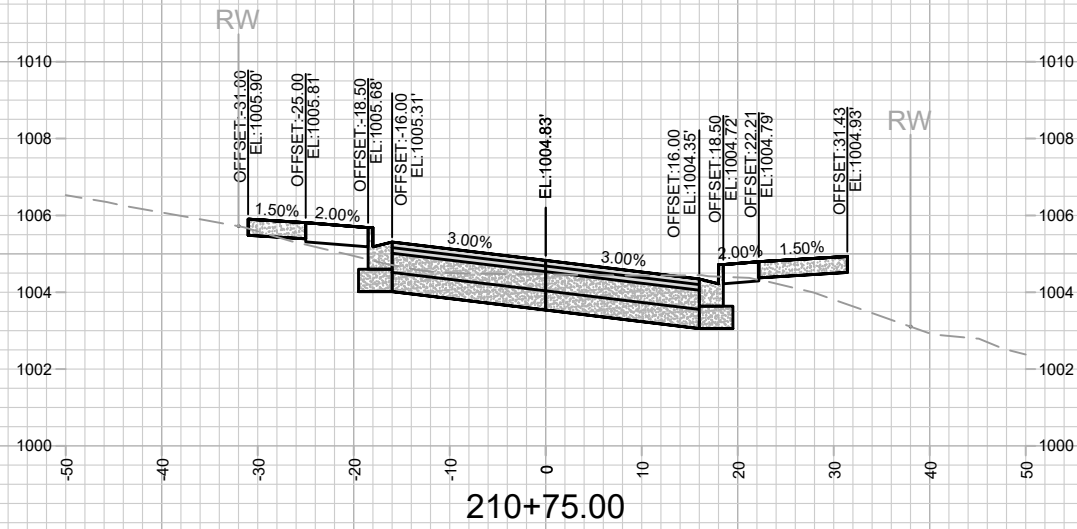
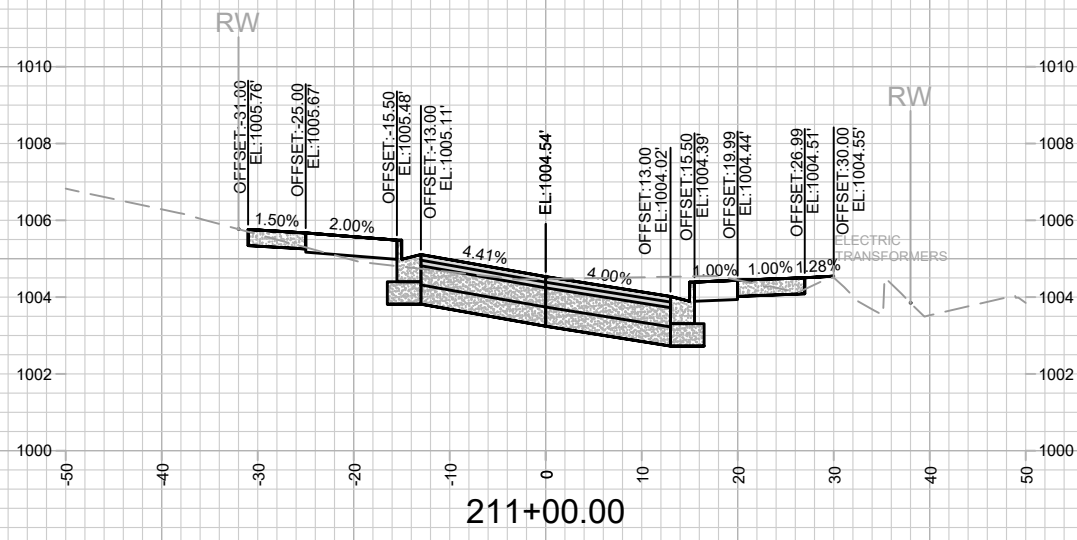
UNIVERSITY REASEARCH PARK - ELEMENT COLLECTIVE

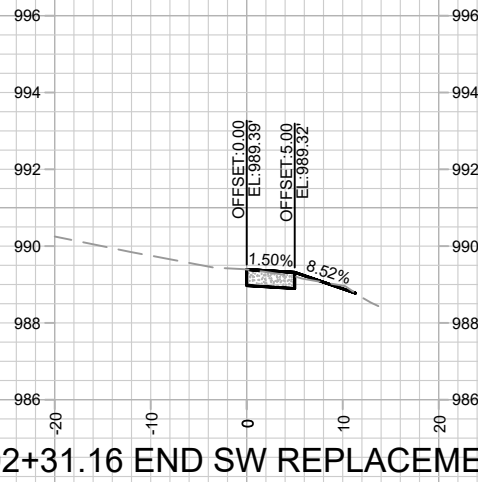
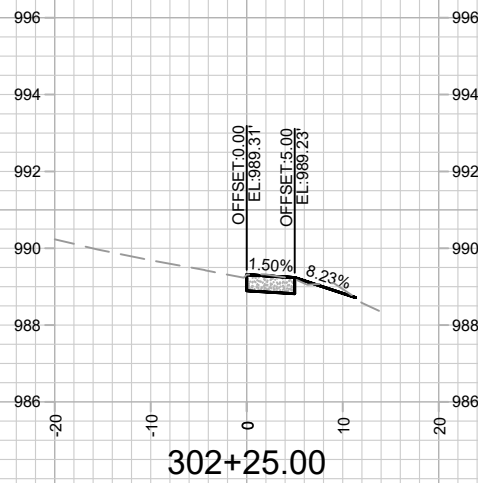
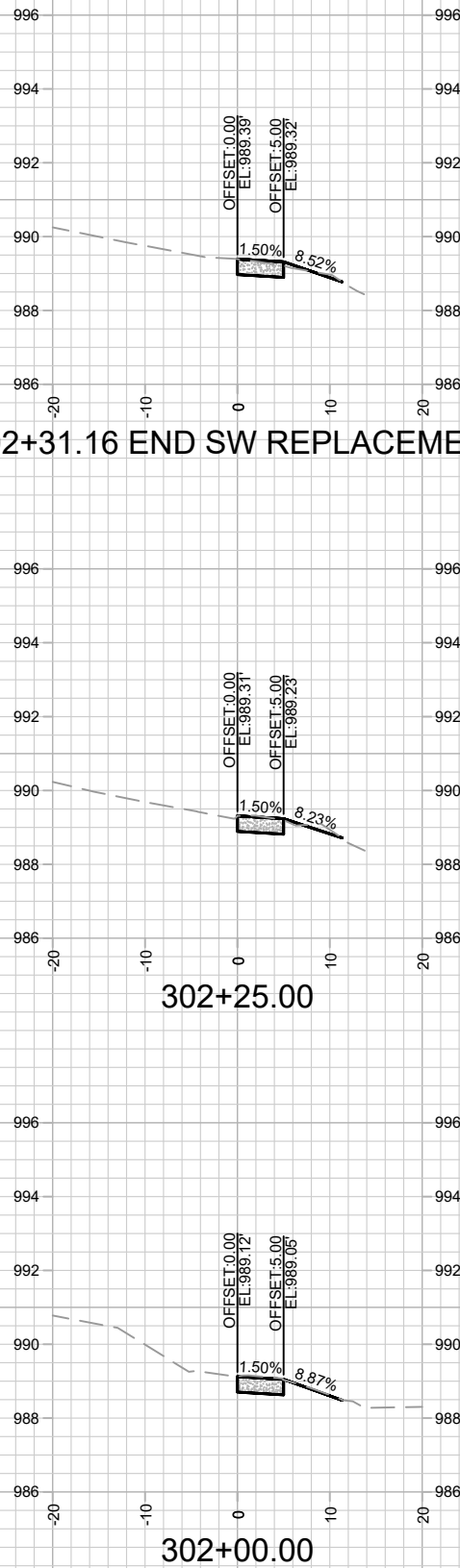
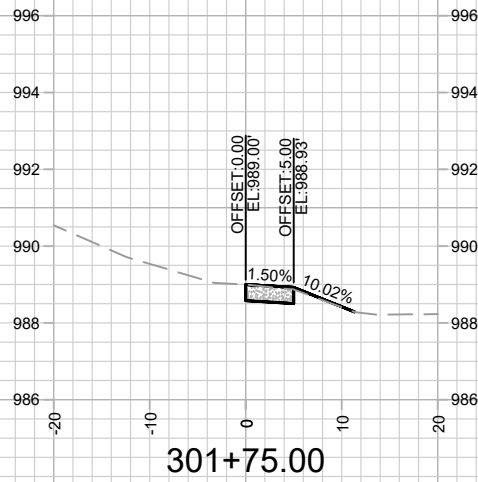
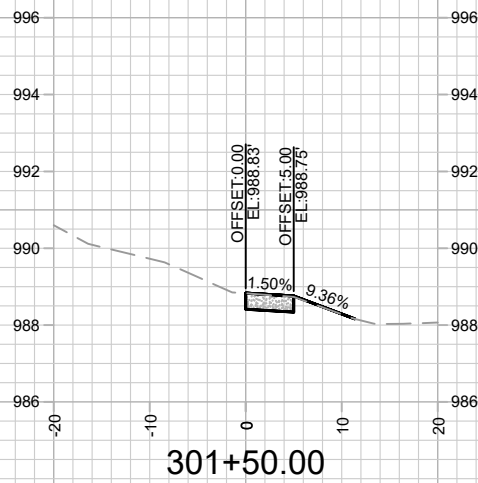
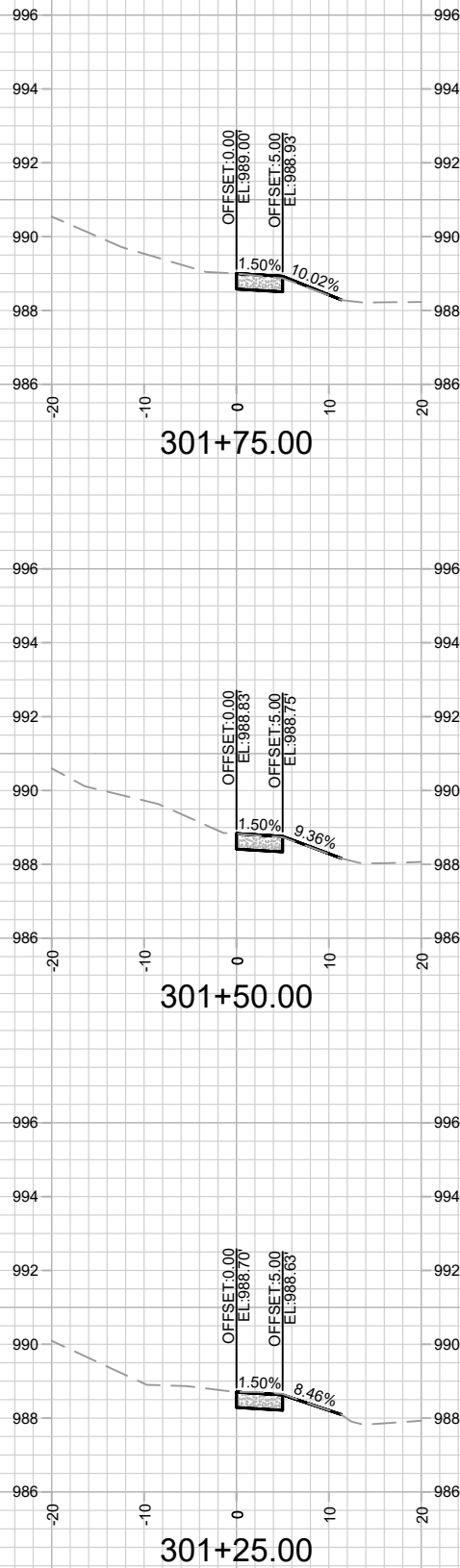
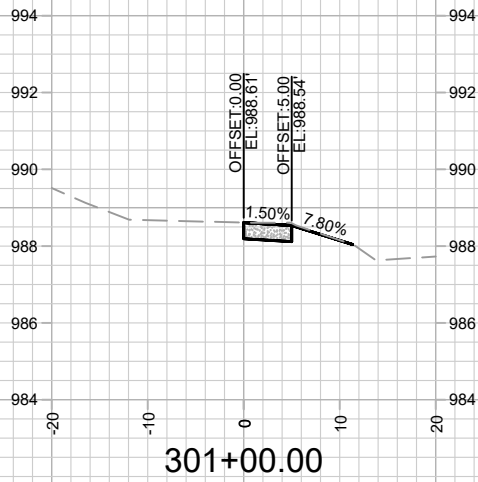
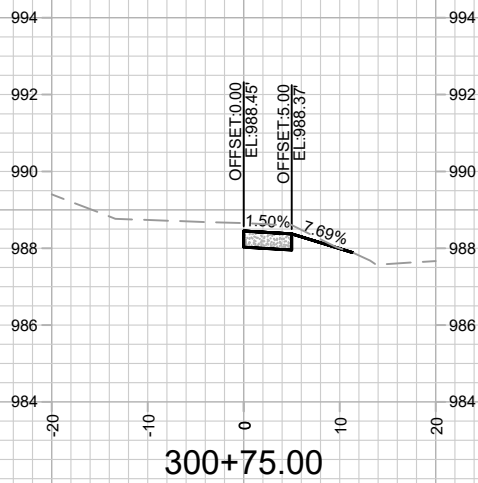
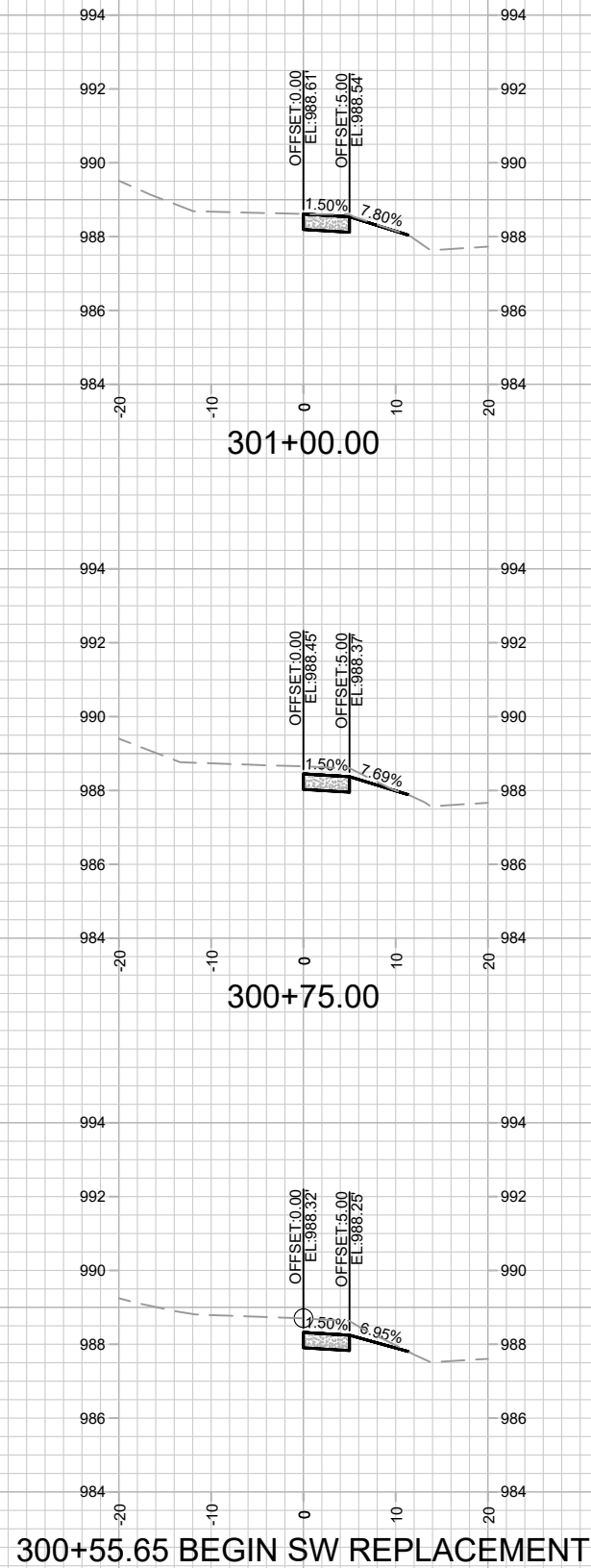
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X-18

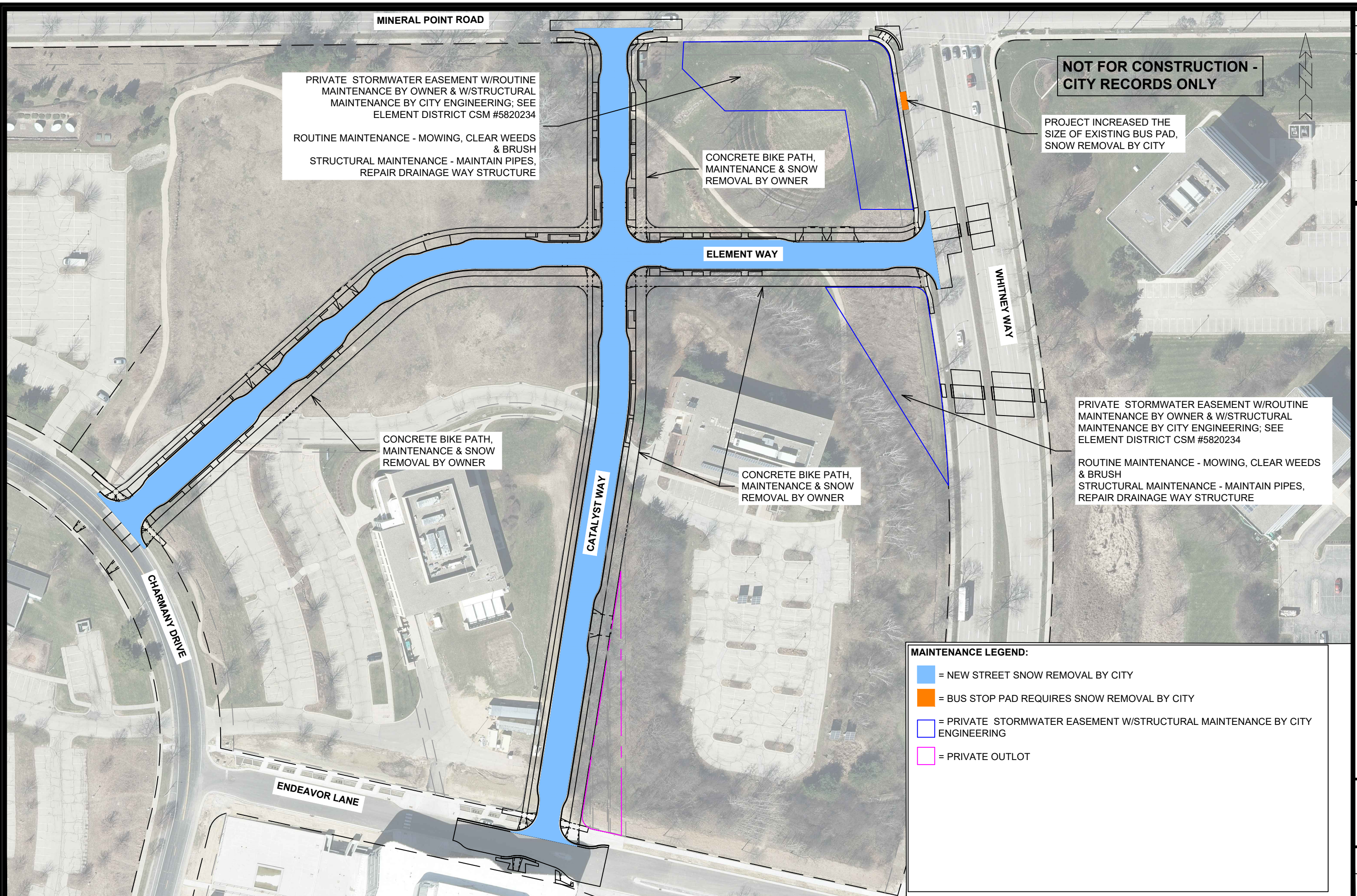
WHITNEY WAY SIDEWALK CROSS SECTIONS
UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE

13355
MADISON, WI

CONTRACT NO: 9003

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ELEMENT WAY & CATALYST WAY MAINTENANCE PLAN	13355
UNIVERSITY RESEARCH PARK - ELEMENT COLLECTIVE	MADISON, WI
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MN-1