



Madison, Wisconsin

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CITY OF MADISON

CITY ENGINEERING DIVISION

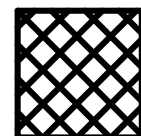
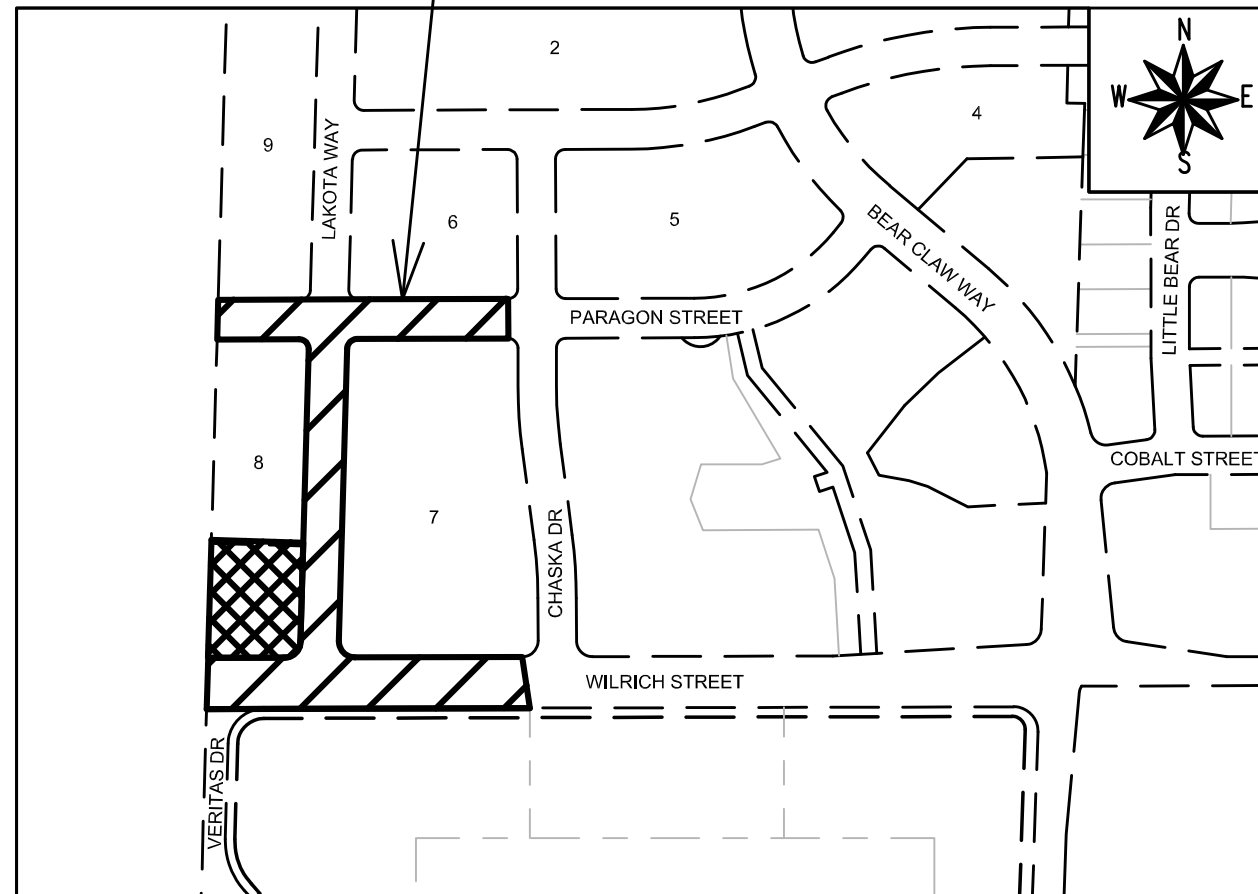
DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PARAGON PLACE ADDITION NO.1 PHASE 1

PROJECT
LOCATION

CITY PROJECT NO. 17447
CONTRACT NO. 8436



STORMWATER MANAGEMENT AREA
SEE PROJECT NO. 13404

CONVENTIONAL SIGNS
FIELD VERIFY ALL UTILITY LOCATIONS

GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
BURIED ELECTRIC	— E —
OVERHEAD ELECTRIC	— OH —
POWER POLE	□
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	▣
COMBUSTIBLE FLUIDS	☼

NOTES:

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

SIDEWALK RAMPS AND CURB THRU SIDEWALK RAMP 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%.

PUBLIC IMPROVEMENT PROJECT
APPROVED

APPROVED DATE: OCTOBER 20, 2020

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

Greg Fries

Aug 23, 2021

City Engineer

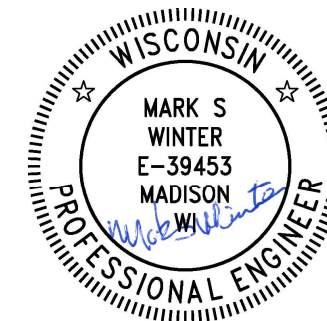
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STREET GRADES
DESIGNED BY:



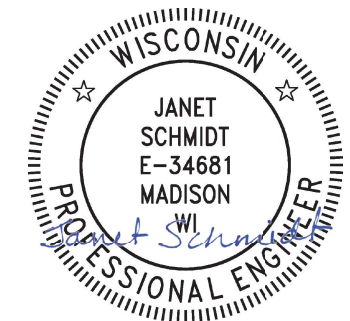
Aug 23, 2021

GEOMETRICS
DESIGNED BY:



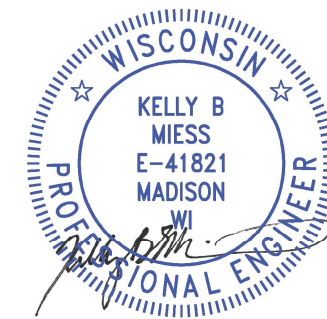
Aug 23, 2021

STORM SEWER
DESIGNED BY:



Aug 23, 2021

WATER
DESIGNED BY:



Aug 23, 2021

SANITARY SEWER
DESIGNED BY:






Aug 23, 2021

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

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

ALL PAVEMENT IN THE PARAGON STREET & LAKOTA WAY RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE WILRICH STREET RIGHT-OF-WAY SHALL BE TYPE B 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.

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

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.


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

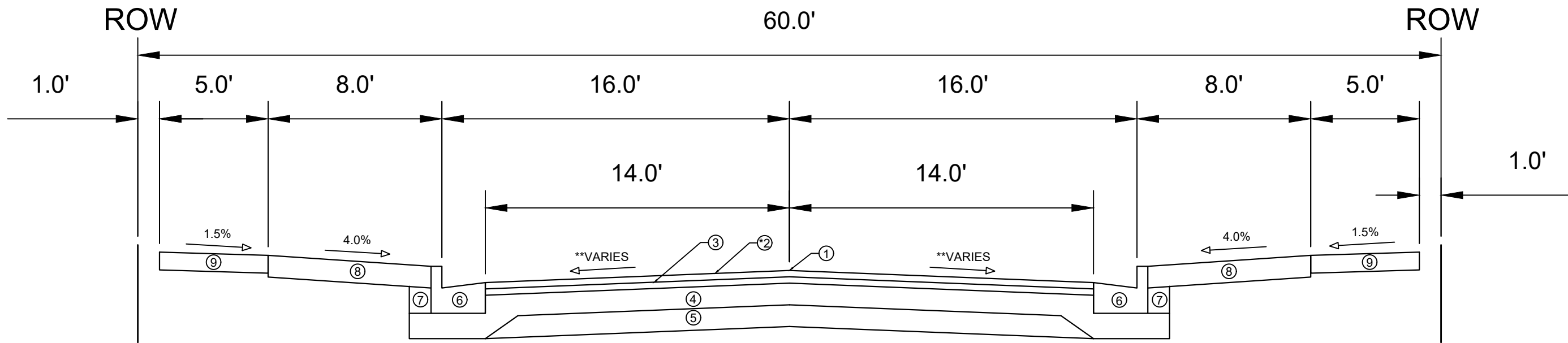
THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

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

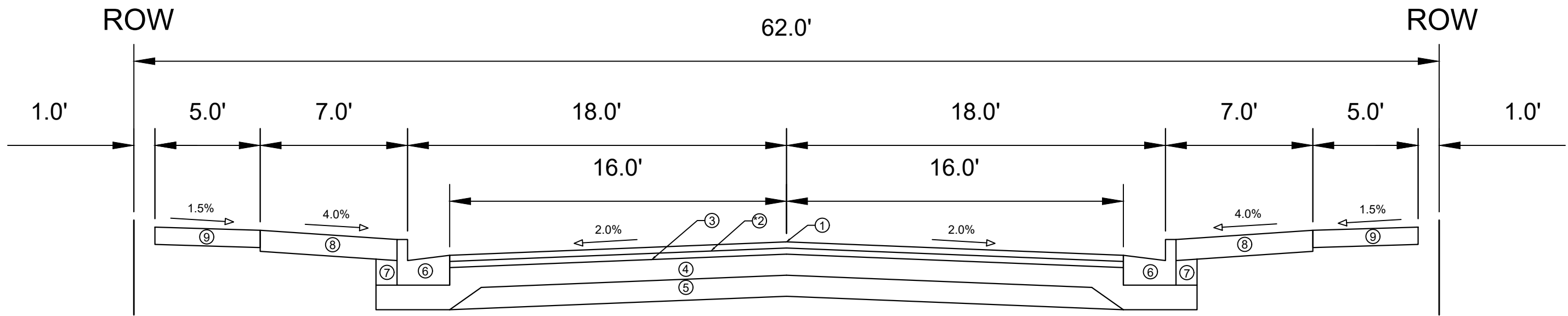
CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO S.D.D 3.05.

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

STANDARD NOTES	17447	MADISON, WI	8436	CONTRACT NO:
	PARAGON PLACE FIRST ADDITION: PHASE 1			
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17447				
D-1				



TYPICAL SECTION
LAKOTA WAY



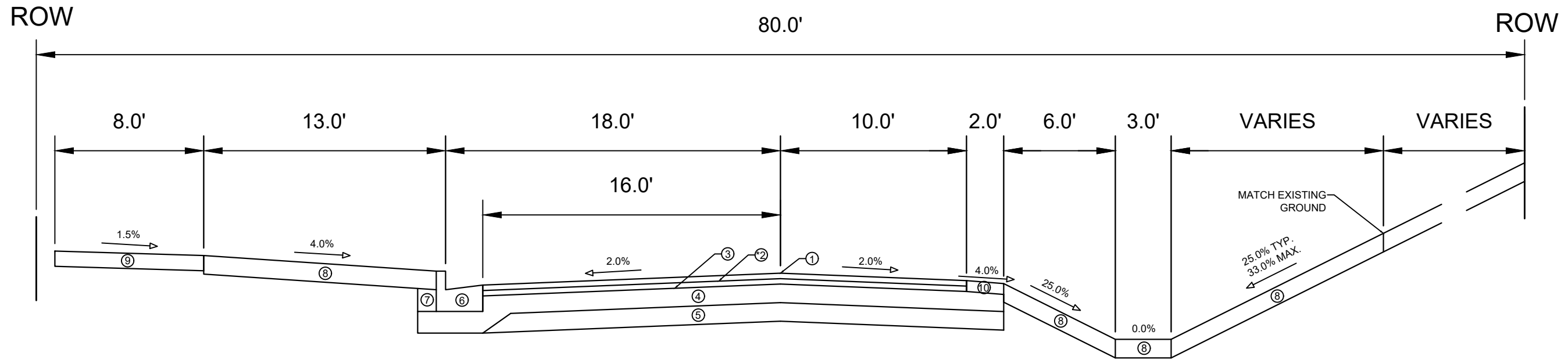
TYPICAL SECTION
PARAGON STREET

- ① POINT REFERRED TO ON PROFILE
- ② 1.75" HMA PAVEMENT- TYPE 4 LT 58-28 S
- ③ 1.75" HMA PAVEMENT- TYPE 4 LT 58-28 S
- ④ 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE
- ⑤ 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE
- ⑥ CONCRETE CURB AND GUTTER TYPE 'A'.
- ⑦ FILL INCIDENTAL TO CURB AND GUTTER INSTALLATION
- ⑧ 6" TOPSOIL, SEED, & MAT
- ⑨ 5" CONCRETE SIDEWALK

SPECIAL NOTES:

- * SURFACE PAVING BY DEVELOPER UNDER CONTRACT NO. 9009
- ** SEE X-SHEETS FOR CROSS SLOPES

17447	MADISON, WI	8436	17447	D-2
PARAGON PLACE FIRST ADDITION: PHASE 1				
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CONTRACT NO:				
TYPICAL SECTIONS				
17447				
D-2				



TYPICAL SECTION
WILRICH STREET

SPECIAL NOTES:

- * SURFACE PAVING BY DEVELOPER UNDER CONTRACT NO. 9009
- ** SEE X-SHEETS FOR CROSS SLOPES

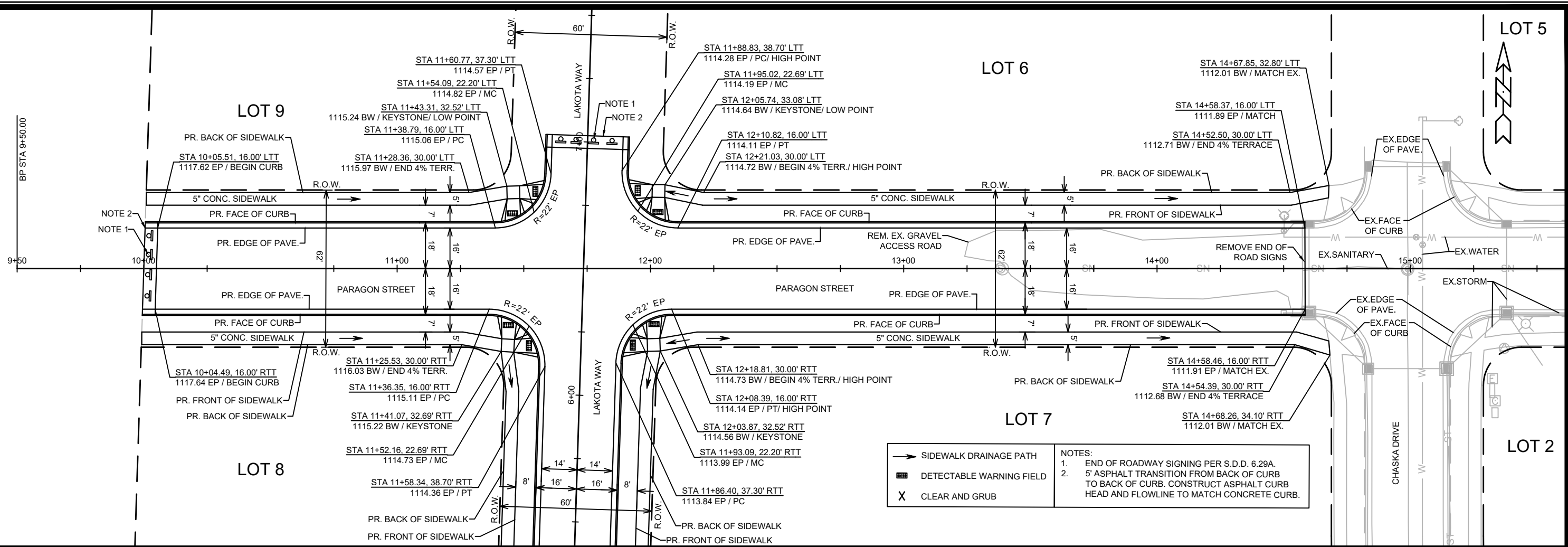
- ① POINT REFERRED TO ON PROFILE
- ② 2.00" HMA PAVEMENT- TYPE 4 LT 58-28 S
- ③ 2.50" HMA PAVEMENT- TYPE 3 LT 58-28 S
- ④ 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE
- ⑤ 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE
- ⑥ CONCRETE CURB AND GUTTER TYPE 'A'
- ⑦ FILL INCIDENTAL TO CURB AND GUTTER INSTALLATION
- ⑧ 6" TOPSOIL, SEED, & EROSION MAT CLASS II, URBAN, TYPE B
- ⑨ 5" CONCRETE SIDEWALK
- ⑩ 4.50" SHOULDER BASE AGGREGATE DENSE $\frac{3}{4}$ "

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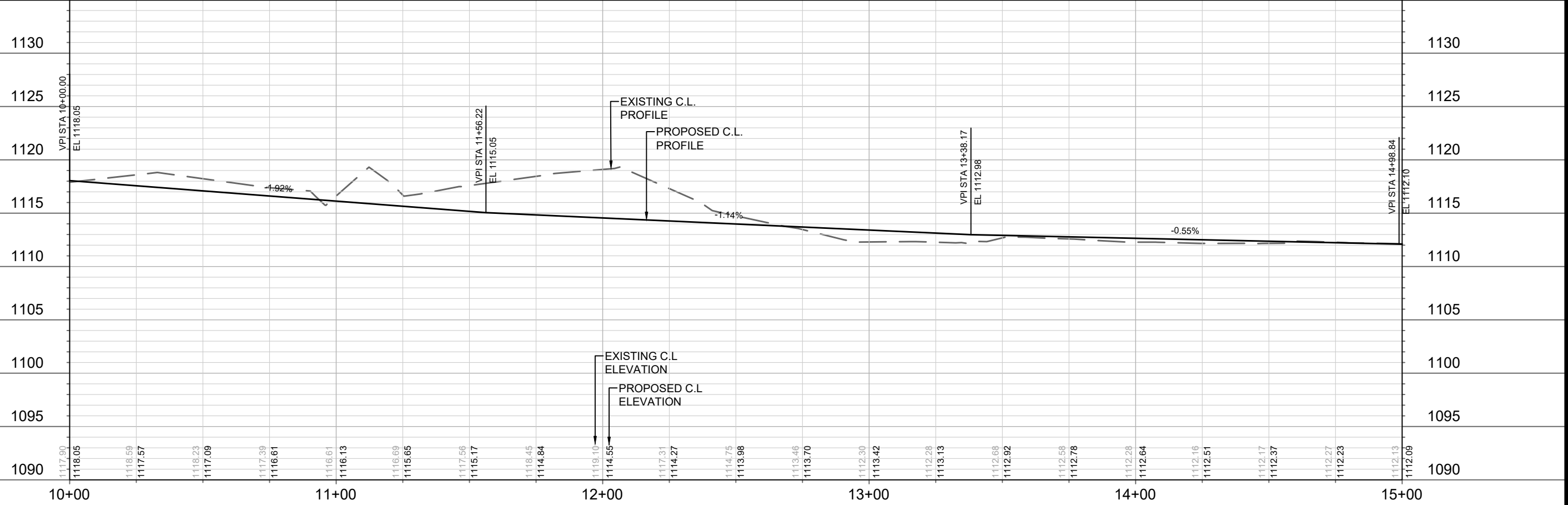
17447
MADISON, WI
CONTRACT NO: 8436

TYPICAL SECTIONS
PARAGON PLACE FIRST ADDITION: PHASE 1
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- NOTES:**
- 1. END OF ROADWAY SIGNING PER S.D.D. 6.29A.
 - 2. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.
- SIDEWALK DRAINAGE PATH
 ■ DETECTABLE WARNING FIELD
 X CLEAR AND GRUB



DATE	BY	REVISION	SCALE	P-1
17447	17447	17447	1" = 40'	P-1

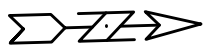
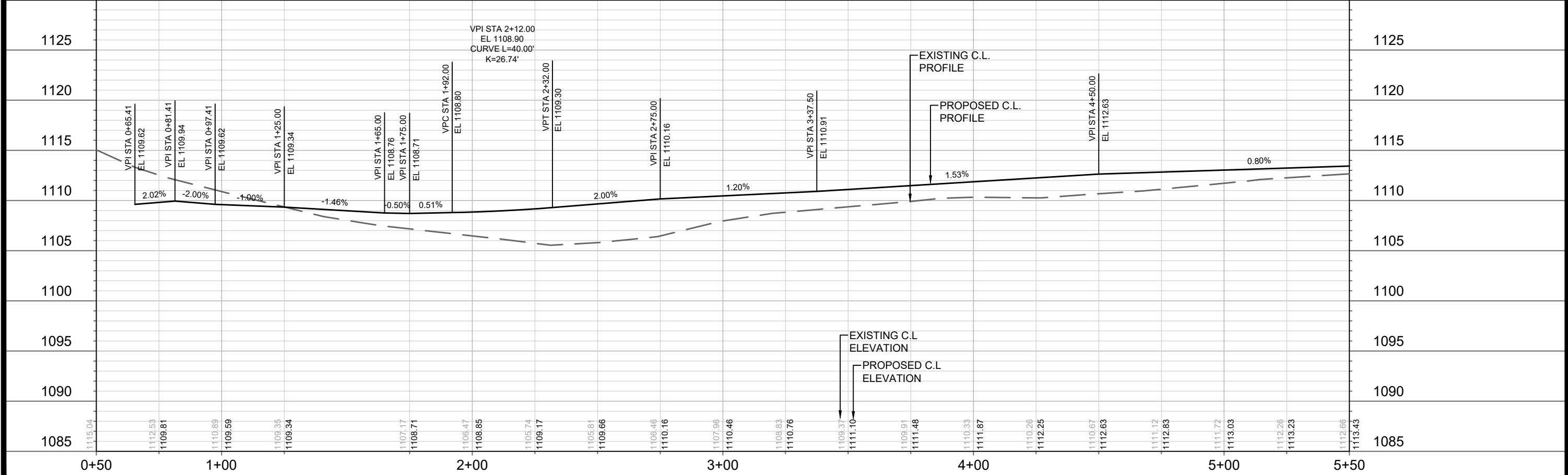
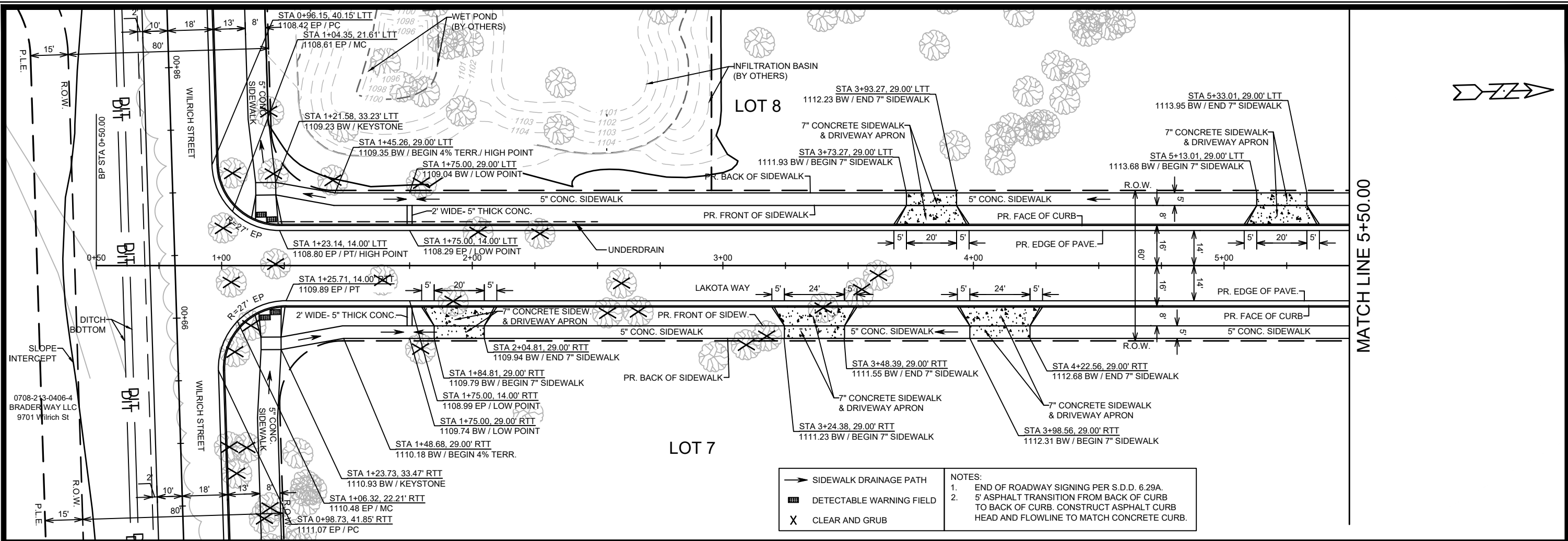
17447
MADISON, WI
CONTRACT NO: 8436

PLAN & PROFILE - PARAGON STREET
PARAGON PLACE FIRST ADDITION: PHASE 1

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17447

P-1



MATCH LINE 5+50.00

0708-213-0406-4
BRADER WAY LLC
9701 Wilrich St

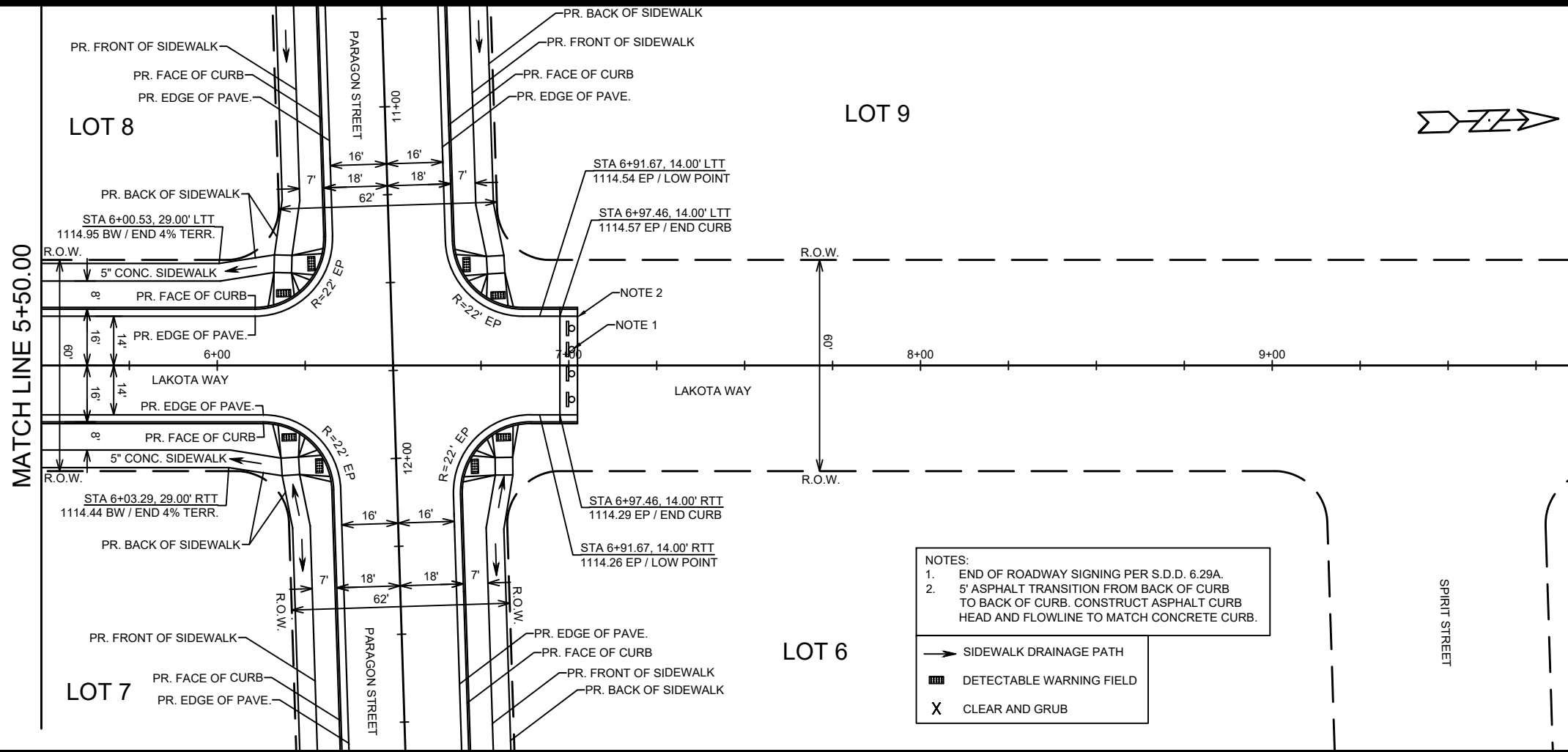
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MARK	
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17447	P-2

17447
MADISON, WI
8436
CONTRACT NO.:

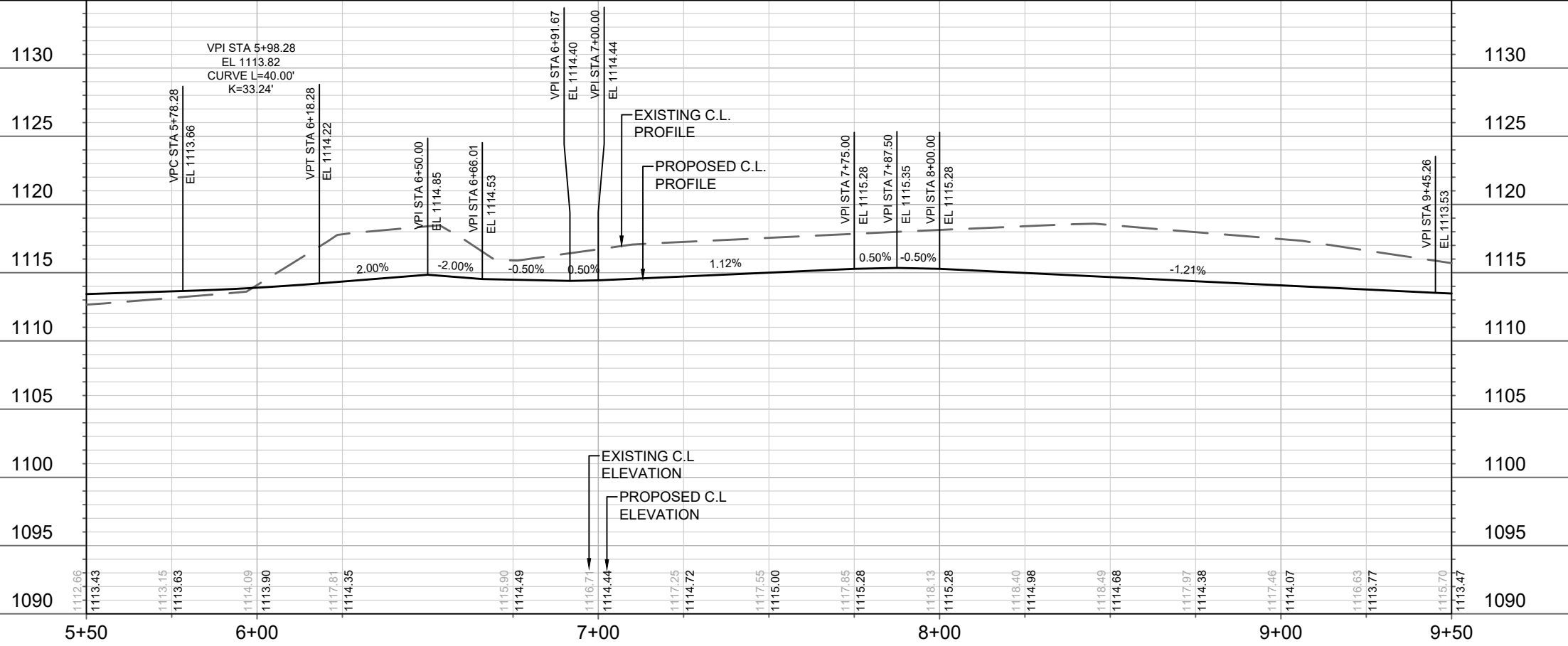
PLAN & PROFILE - LAKOTA WAY
PARAGON PLACE FIRST ADDITION: PHASE 1
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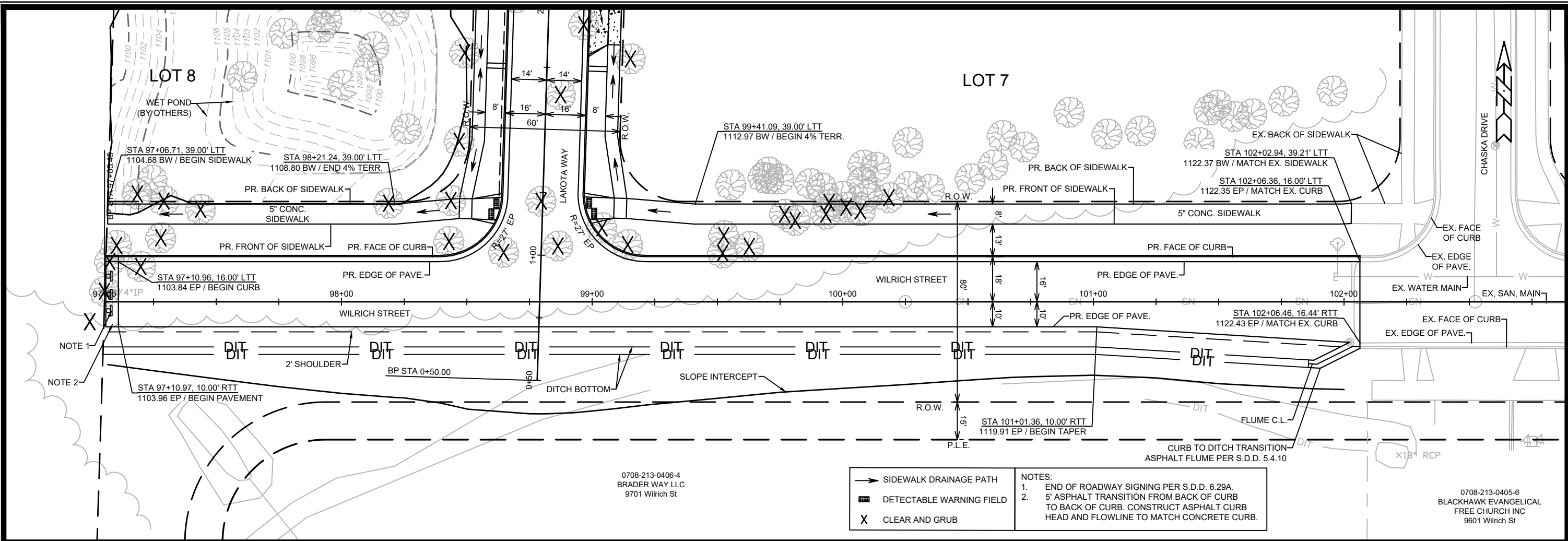
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P-2



- NOTES:
1. END OF ROADWAY SIGNING PER S.D.D. 6.29A.
 2. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.
- SIDEWALK DRAINAGE PATH
 - DETECTABLE WARNING FIELD
 - X CLEAR AND GRUB



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REVISION	
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CONTRACT NO:	8436
PROJECT:	17447
CITY:	MADISON, WI
PLAN & PROFILE - LAKOTA WAY	
PARAGON PLACE FIRST ADDITION: PHASE 1	
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P-3	

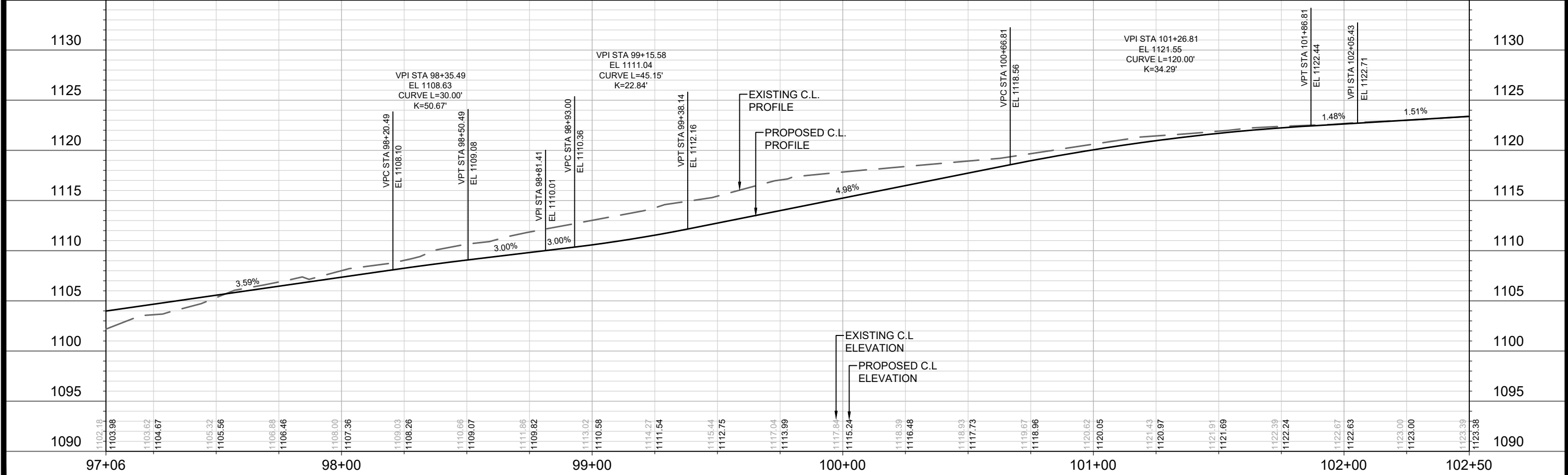


0708-213-0406-4
BRADER WAY LLC
9701 Wilrich St

0708-213-0405-6
BLACKHAWK EVANGELICAL
FREE CHURCH INC
9601 Wilrich St

→ SIDEWALK DRAINAGE PATH
 ■ DETECTABLE WARNING FIELD
 X CLEAR AND GRUB

NOTES:
 1. END OF ROADWAY SIGNING PER S.D.D. 6.29A.
 2. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.



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REVISION	BY
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17447

17447

MADISON, WI

8436

CONTRACT NO.:

17447

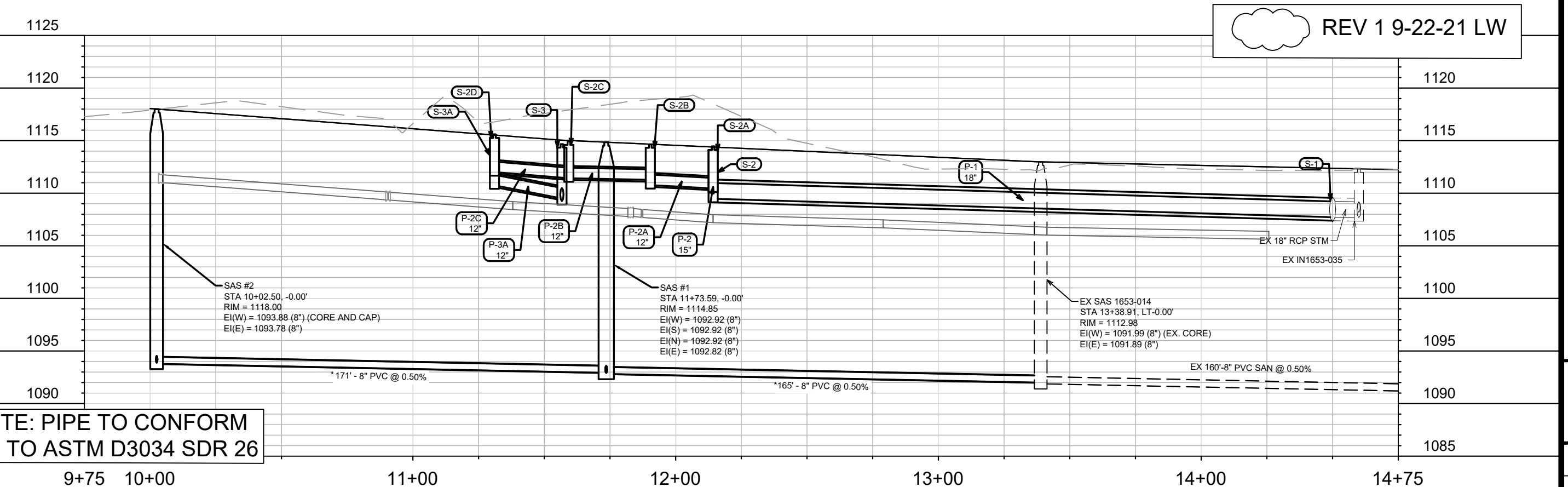
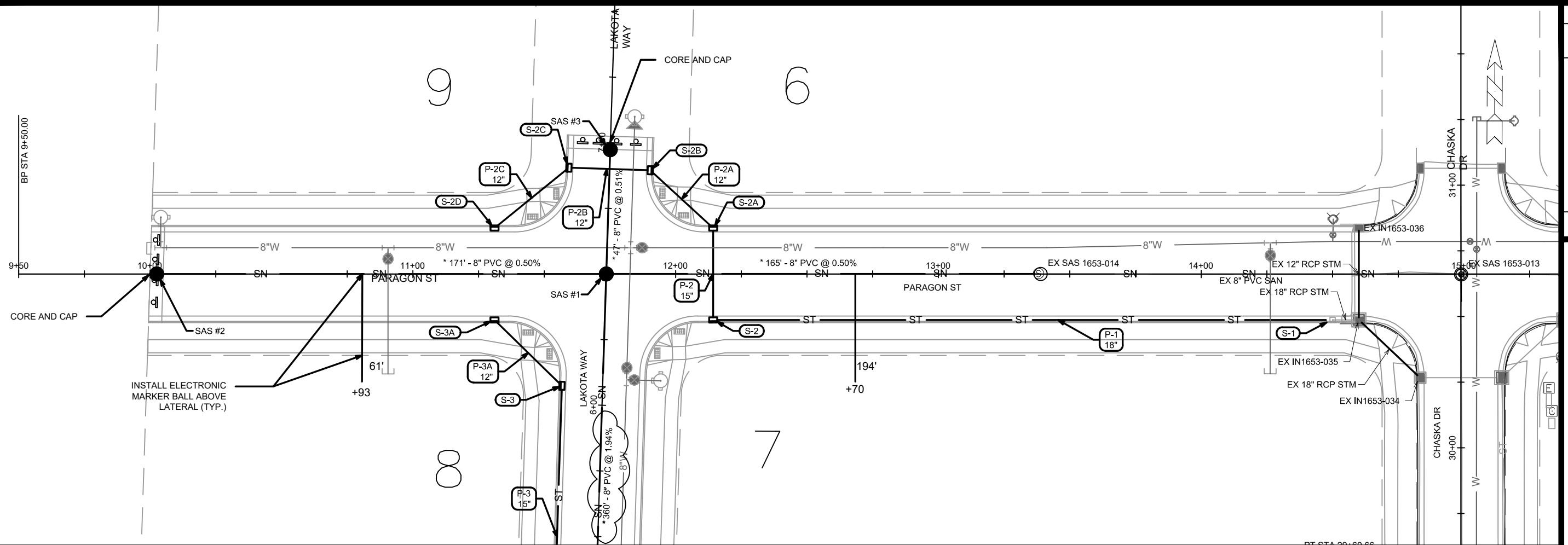
PLAN & PROFILE - WILRICH STREET

PARAGON PLACE FIRST ADDITION: PHASE 1

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17447

P-4



***NOTE: PIPE TO CONFORM TO ASTM D3034 SDR 26**

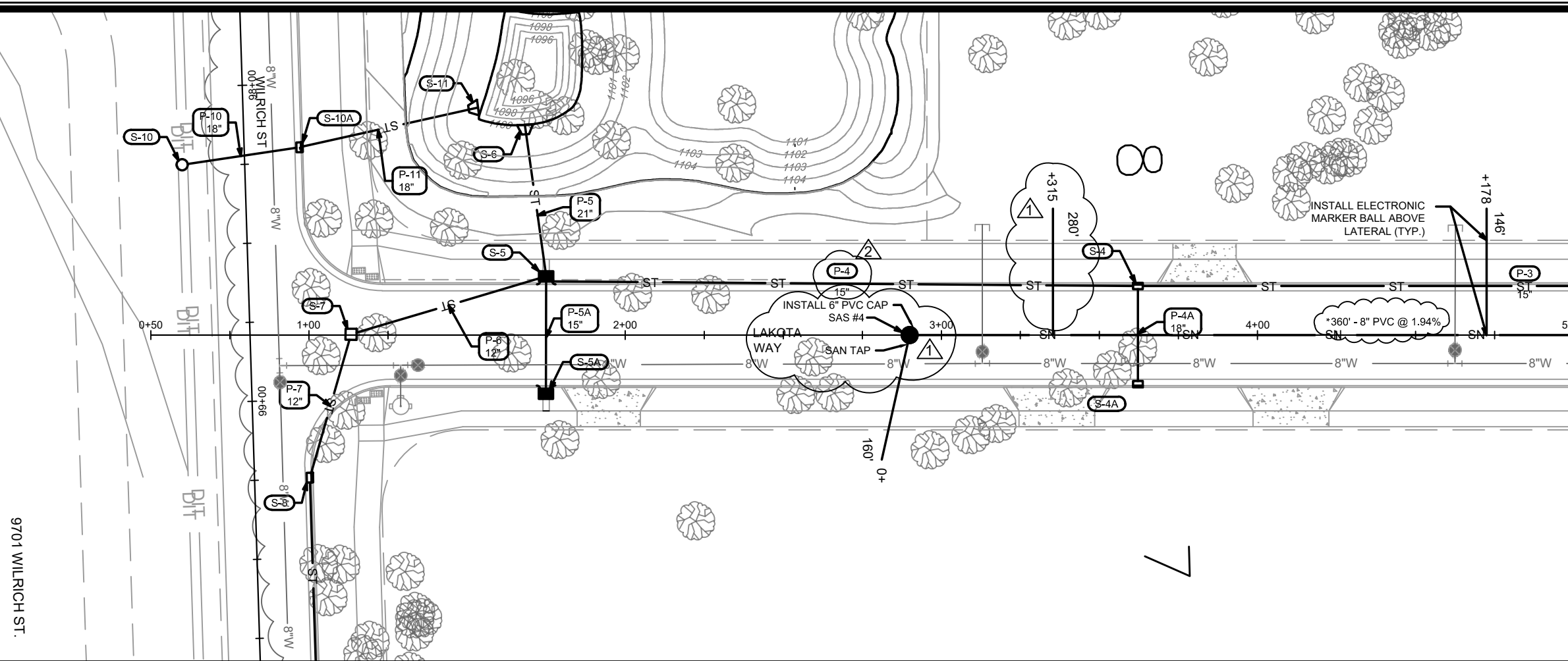
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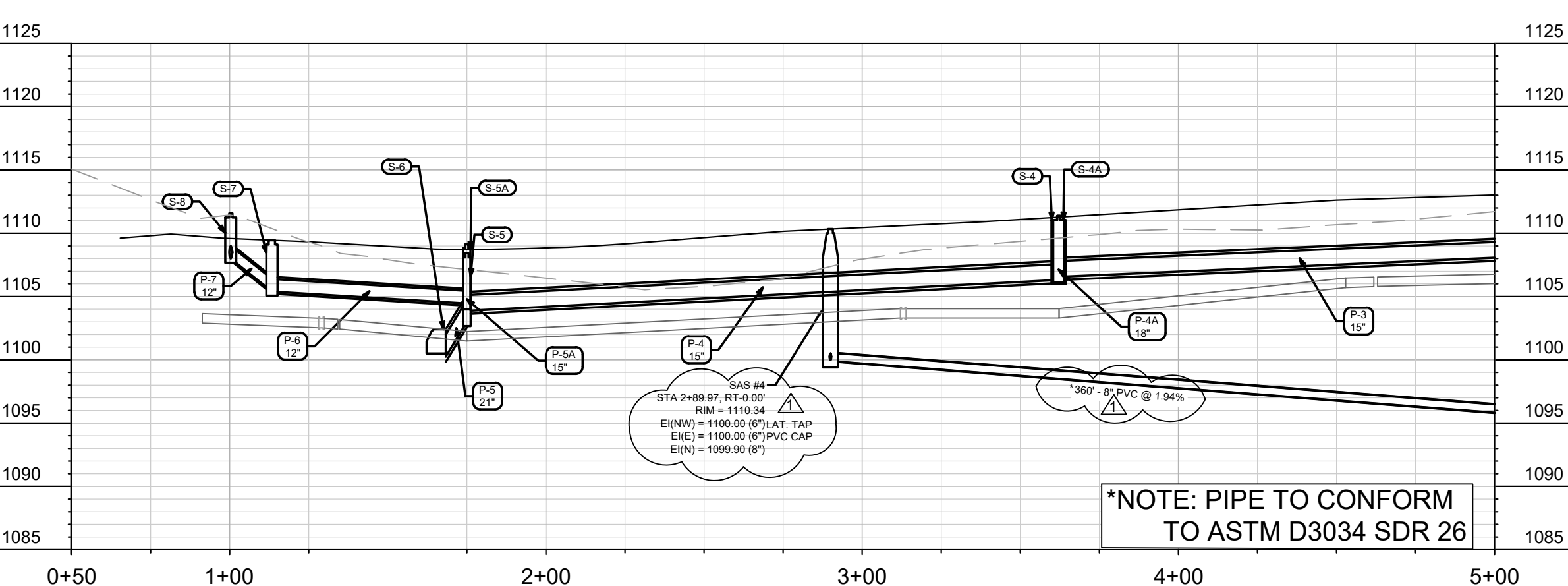
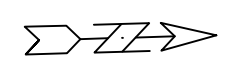
17447
MADISON, WI
CONTRACT NO.: 8436

UTILITY PLAN & PROFILE - PARAGON STREET
PARAGON PLACE FIRST ADDITION: PHASE 1
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MATCH LINE 5+00.00



9701 WILRICH ST.

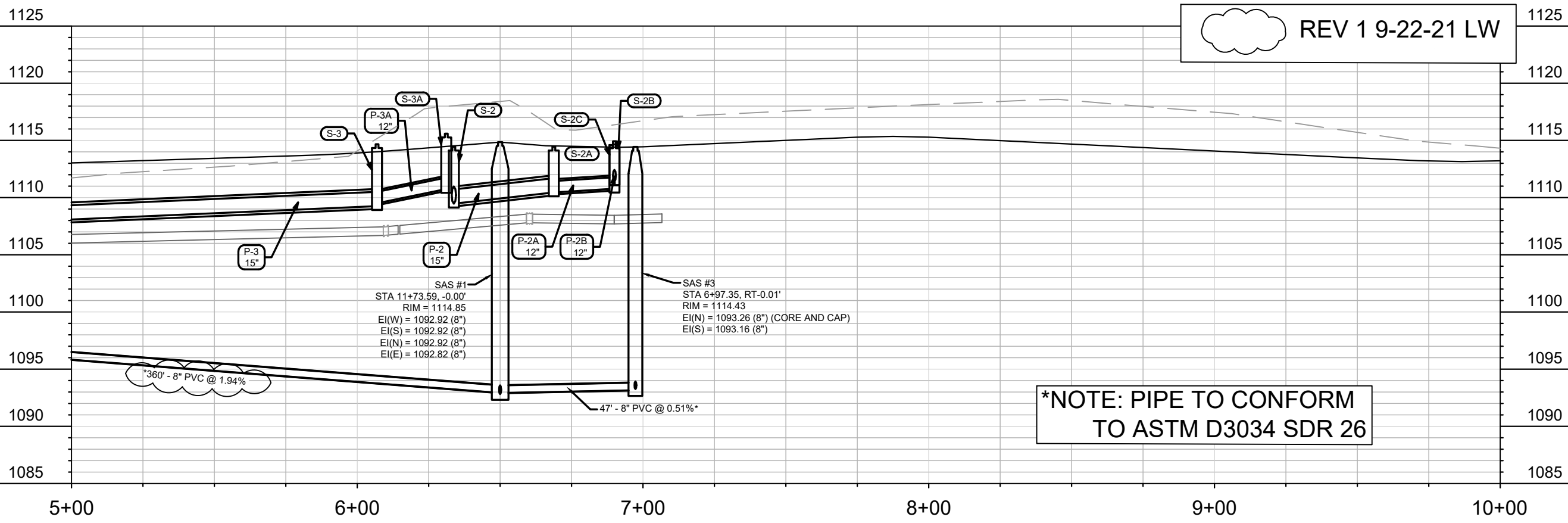
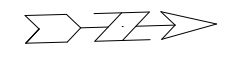
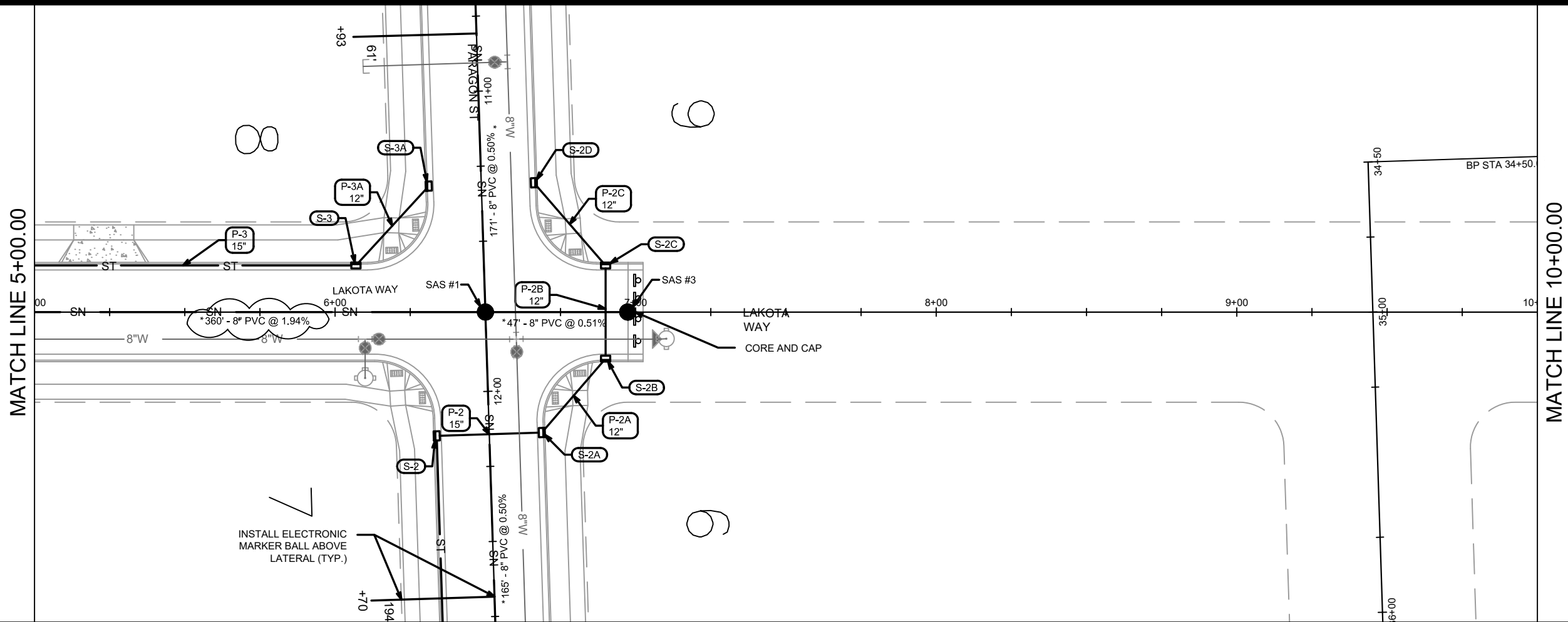
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17447			

17447
MADISON, WI
CONTRACT NO: 8436

UTILITY PLAN & PROFILE - LAKOTA WAY
PARAGON PLACE FIRST ADDITION: PHASE 1
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U-2



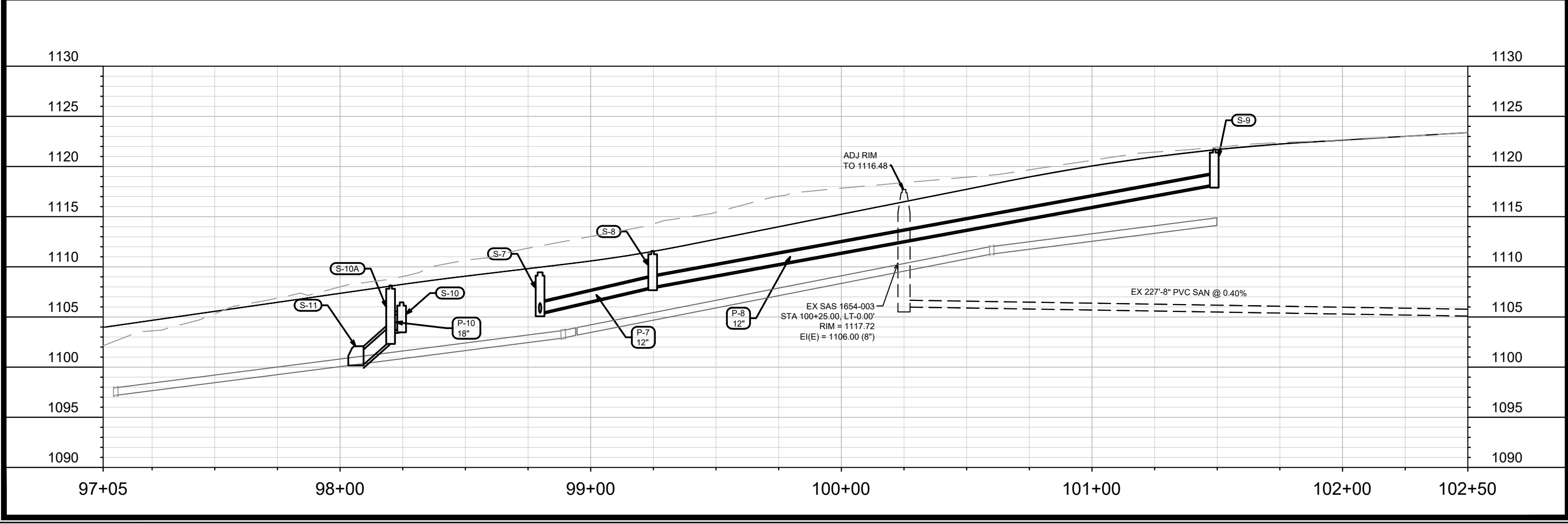
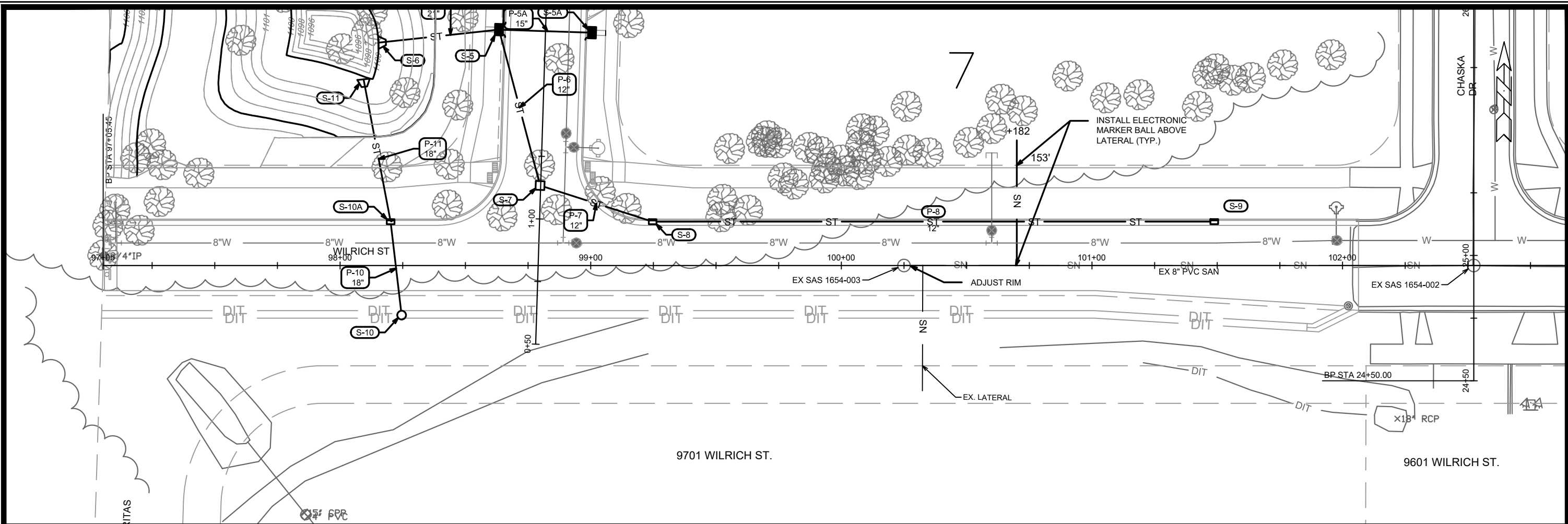
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17447
MADISON, WI
CONTRACT NO: 8436

UTILITY PLAN & PROFILE - LAKOTA WAY
PARAGON PLACE FIRST ADDITION: PHASE 1
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17447
U-3



MARK	REVISION	DATE	BY
17447	U-4	8/23/2021 11:12 AM	U-4

17447
 MADISON, WI
 8436
 CONTRACT NO:

UTILITY PLAN & PROFILE - WILRICH STREET
 PARAGON PLACE FIRST ADDITION: PHASE 1
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17447
 U-4

SANITARY SEWER SCHEDULE

* 9/22/21 REVISION

PARAGON PLACE FIRST ADDITION: PHASE 1	SHEET NO.
PROJECT NO. 17447	U-SAN
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
PARAGON ST.						
SAS #1	11+73.59	CL	1114.85	1092.82	22.03	
SAS #2	10+02.50	CL	1118.00	1093.78	24.22	

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
PARAGON ST.								
EX SAS1653-014	SAS#1	1091.99	1092.82	165	0.50%	8"	SDR-26	
SAS#1	SAS#2	1092.92	1093.78	171	0.50%	8"	SDR-26	

LAKOTA WAY

SAS #3	10+02.50	CL	1114.43	1093.16	21.27	
*SAS #4	2+89.97	CL	1110.34	1099.90	10.44	

LAKOTA WAY

SAS#1	SAS #3	1092.92	1093.16	47	0.51%	8"	SDR-26	
*SAS#1	SAS #4	1092.92	1099.90	360	1.94%	8"	SDR-26	

ADJUSTED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	EX TOP OF CASTING	PR TOP OF CASTING	TOTAL ADJUSTMENT (FT)	EX ADJUSTMENT (IN)	NOTES
WILRICH ST.							
EX SAS 1654-003	100+25.00	CL	1117.62	1116.48	-1.14	12	(1)

SPECIFIC NOTES:

(1) NO MORE THAN A TOTAL OF 9" OF ADJUSTMENT RNGS ON THE FINAL ADJUSTED STRUCTURE. CONTRACTOR SHALL INSTALL BARREL SECTIONS AS REQUIRED.

NOTES:

- ALL STRUCTURES SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL. CONTACT LUCAS WARDELL OF CITY ENGINEERING AT (608) 243-5894 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO LWARDELL@CITYOFMADISON.COM.

STORM SEWER SCHEDULE

* 10/18/21 REVISION 2

PARAGON PLACE FIRST ADDITION - PHASE 1	SHEET NO.
PROJECT NO. 17447	U-STM
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
PARAGON ST							
S-1	14+50.00	RT-17.50	COLLAR	---	1107.72	---	
S-2	12+14.27	RT-17.50	3X3 SAS	1114.45	1109.47	4.98	W/ R-3067-7004-V
S-2A	12+14.28	LT-17.50	H INLET	1114.45	1110.45	4.00	W/ R-3067-7004-V
S-2D	11+31.07	LT-17.50	H INLET	1115.59	1112.00	3.59	W/ R-3067-7004-V
S-3A	11+31.07	RT-17.50	H INLET	1115.59	1110.75	4.84	W/ R-3067-7004-V
LAKOTA WAY							
S-2B	6+90.00	RT-15.50	H INLET	1114.65	1110.77	3.88	LP W/ R-3067-7004-VB [1]
S-2C	6+90.00	LT-15.50	H INLET	1114.93	1111.42	3.51	LP W/ R-3067-7004-VB [1]
S-3	6+06.92	LT-15.50	3X3 SAS	1114.67	1109.25	5.42	W/ R-3067-7004-V
S-4	3+62.14	LT-15.50	4X4 SAS	1111.38	1106.32	5.06	FP; W/ R-3067-7004-V
S-4A	3+62.14	RT-15.50	3X3 SAS	1111.38	1106.47	4.91	FP; W/ R-3067-7004-V
S-5	1+75.00	LT-18.58	TYPE III TERRACE INLET	1108.44	1103.00	5.44	LP; [1][2]
S-5A	1+75.00	RT-18.58	TYPE III TERRACE INLET	1109.14	1104.33	4.81	[2]
S-6*	1+68.32	LT-66.52	APRON END	---	1100.25	---	W/ 21" AE GATE
S-7	1+13.35	LT-0.24	3x3 SAS	1109.45	1105.40	4.05	W/ R-1550-0054
WILRICH ST							
S-8	99+24.71	LT-17.50	H INLET	1111.59	1108.00	3.59	W/ R-3067-7004-V
S-9	101+48.80	LT-17.50	H INLET	1121.72	1118.22	3.50	W/ R-3067-7004-V
S-10	98+24.56	RT-19.81	3' DIA SAS	1106.46	1103.80	2.66	FP; W/R-2560-E
S-10A	98+20.16	LT-17.50	3x3 SAS	1108.14	1102.65	5.49	W/ R-3067-7004-V
S-11	98+09.37	LT-74.31	APRON END	---	1100.25	---	W/ 18" AE GATE

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
P-1	S-1	S-2	1107.72	1109.47	236	233	0.75%	18"	TYPE I	-
P-2	S-2	S-2A	1109.47	1110.45	35	32	3.06%	15"	TYPE I	-
P-2A	S-2A	S-2B	1110.45	1110.77	32	28	1.13%	12"	TYPE II	-
P-2B	S-2B	S-2C	1111.27	1111.42	31	29	0.53%	12"	TYPE I	-
P-2C	S-2C	S-2D	1111.42	1112.00	36	33	1.74%	12"	TYPE II	-
P-3A	S-3	S-3A	1109.50	1110.75	37	32	3.87%	12"	TYPE II	-
 										
P-3	S-4	S-3	1106.57	1109.25	245	241	1.11%	15"	TYPE II	-
P-4	S-5	S-4	1103.87	1106.32	187	183	1.34%	15"	TYPE II	-
P-4A	S-4	S-4A	1106.32	1106.47	31	28	0.55%	18"	TYPE I	-
P-5	S-6	S-5	1100.25	1103.00	48	47	5.82%	21"	TYPE II	-
P-5A	S-5	S-5A	1104.00	1104.33	35	30	1.09%	15"	TYPE I	-
P-6	S-5	S-7	1104.45	1105.40	50	53	1.78%	12"	TYPE I	-
P-7	S-7	S-8	1105.40	1108.00	44	47	5.50%	12"	TYPE I	-
 										
P-8	S-8	S-9	1108	1118.22	224	221	4.62%	12"	TYPE II	-
P-10	S-10A	S-10	1103.65	1103.80	38	35	0.43%	18"	TYPE I	-
P-11	S-11	S-10A	1100.25	1102.65	58	57	4.23%	18"	TYPE II	-

SPECIFIC NOTES:

- (1) INSTALL LOW POINT PVC DRAIN; SEE S.D.D. 5.7.7A
- (2) TOP OF CASTING IS SET 0.2' BELOW TOP OF CURB AT SITE LOCATION

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.
- 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 LUCAS WARDELL OF CITY ENGINEERING AT (608) 243-5894 FOR STORM SEWER PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO LWARDELL@CITYOFMADISON.COM.
- FOR SWM PRECAST APPROVALS CONTACT PHIL GAEBLER AT (608) 266-4059 OR EMAIL SWM SHOP DRAWINGS TO PGAEBLER@CITYOFMADISON.COM

STA. 10+04.1, 21.6 LT
5-IN HYDRANT

STA. 10+04.0, 10.0 LT
8X6-IN TEE
W/ 8-IN MJ PLUG

STA. 10+90.6, 10.0 LT
8X6-IN TEE

STA. 10+90.6, 5.7 LT
6-IN VALVE & BOX

STA. 10+90.6, 38.0 RT
6-IN MJ CAP

STA. 11+82.9, 10.0 LT
8X8-IN CROSS

STA. 11+87.2, 10.0 LT
8-IN VALVE & BOX

WN 20
W-5

REMOVE PLUG & CONNECT
TO EX. 8-IN X 6-IN TEE

STA. 14+26.3, 11.9 LT
8X6-IN TEE

STA. 14+26.3, 7.0 LT
6-IN VALVE & BOX

INSULATE STORM-WATER
CROSSING, TYPICAL

STA. 14+26.2, 38.0 RT
6-IN MJ CAP

9+50 10+00 11+00 12+00 13+00 14+00 15+00

PARAGON ST

PARAGON ST

SEE W-3

LAKOTA WAY

CHASKA DR

CHASKA DR

CHASKA DR

1130

1125

1120

1115

1110

1105

1100

1095

1090

8X6-IN TEE
10+04.0, 1111.8

8X6-IN TEE
10+90.6, 1110.1

8X8-IN CROSS
6+60.3, 1108.5

8-IN VALVE & BOX
11+87.2, 1108.5

8X6-IN TEE
14+26.3, 1106.4

1130

1125

1120

1115

1110

1105

1100

1095

1090

GENERAL REQUIREMENTS - WATER MAIN PROFILES:

- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
- INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
- WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
- WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

APPROX DEPTH OF EX.
MAIN; FIELD VERIFY

T.O.P.

T.O.P.

T.O.P.

T.O.P.

T.O.P.

T.O.P.

T.O.P.

T.O.P.

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T.O.P.

9+75 10+00

11+00

12+00

13+00

14+00

14+75

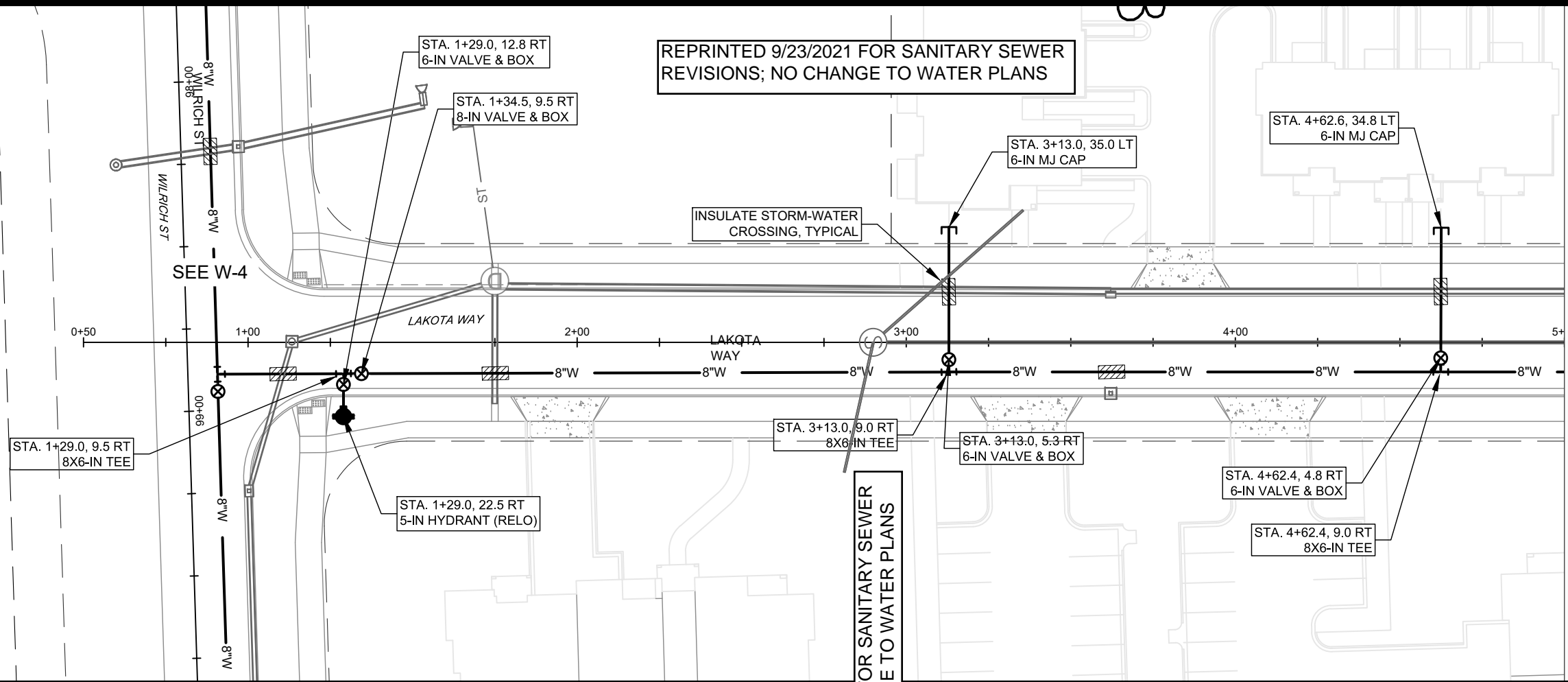
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17447
MADISON, WI
CONTRACT NO.: 8436

PARAGON PLACE FIRST ADDITION: PHASE 1
PLAN & PROFILE: PARAGON ST WATER
CITY OF MADISON, WI

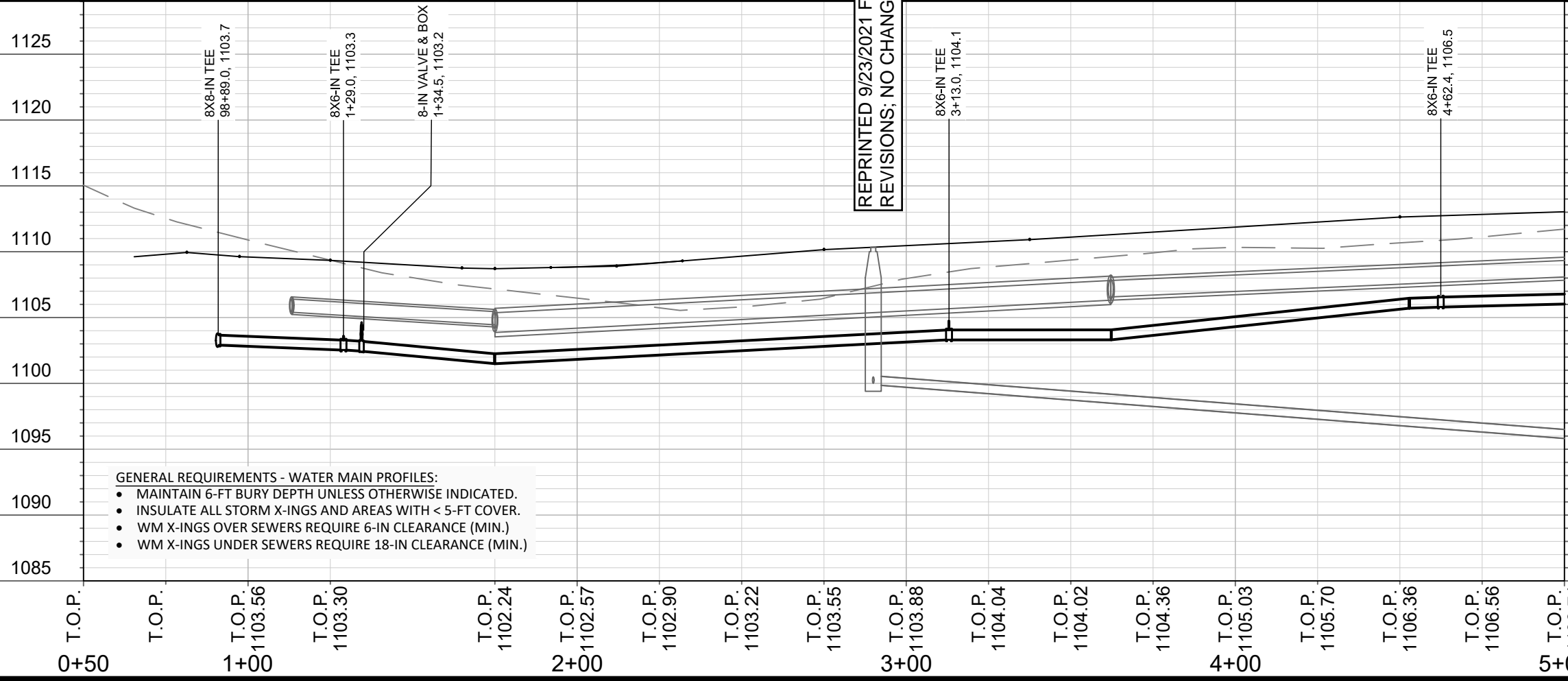


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W-1



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REPRINTED 9/23/2021 FOR SANITARY SEWER REVISIONS; NO CHANGE TO WATER PLANS



- GENERAL REQUIREMENTS - WATER MAIN PROFILES:**
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

SCALE: 1" = 40'
 DESIGNED BY: KBM
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 9/23/21

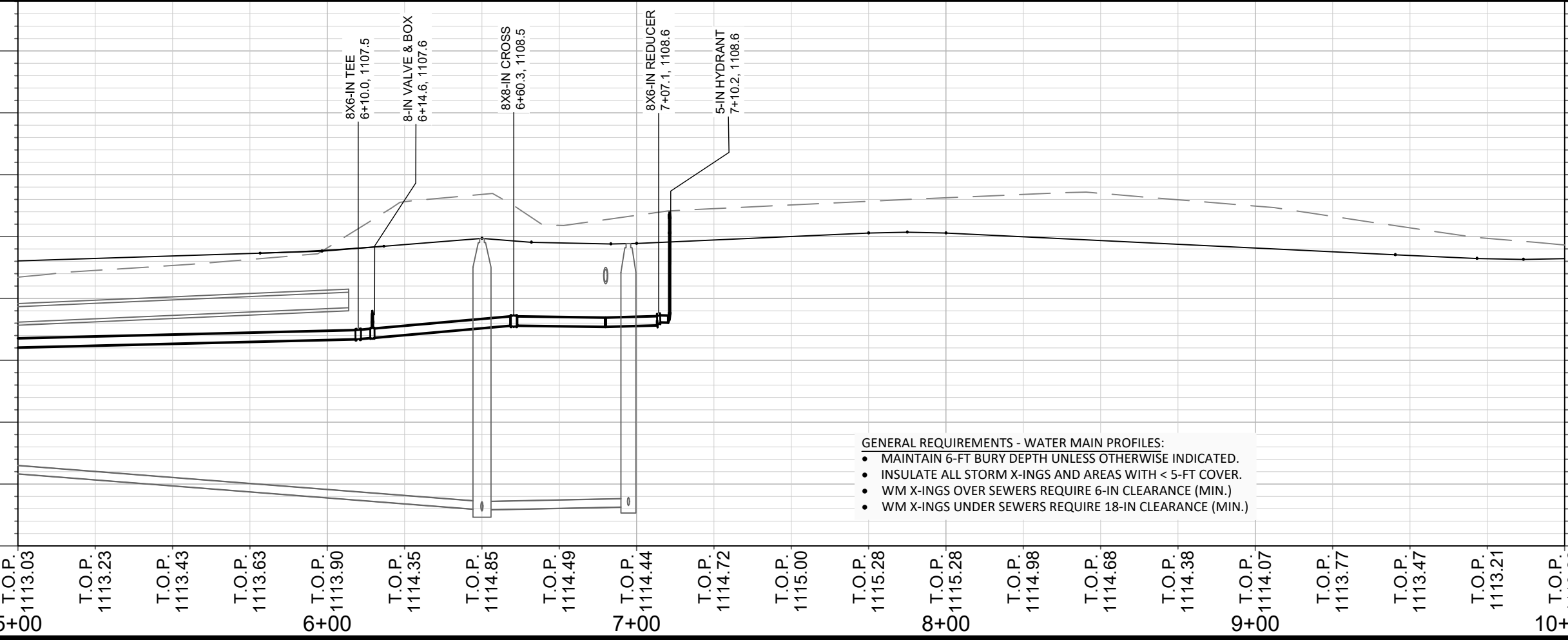
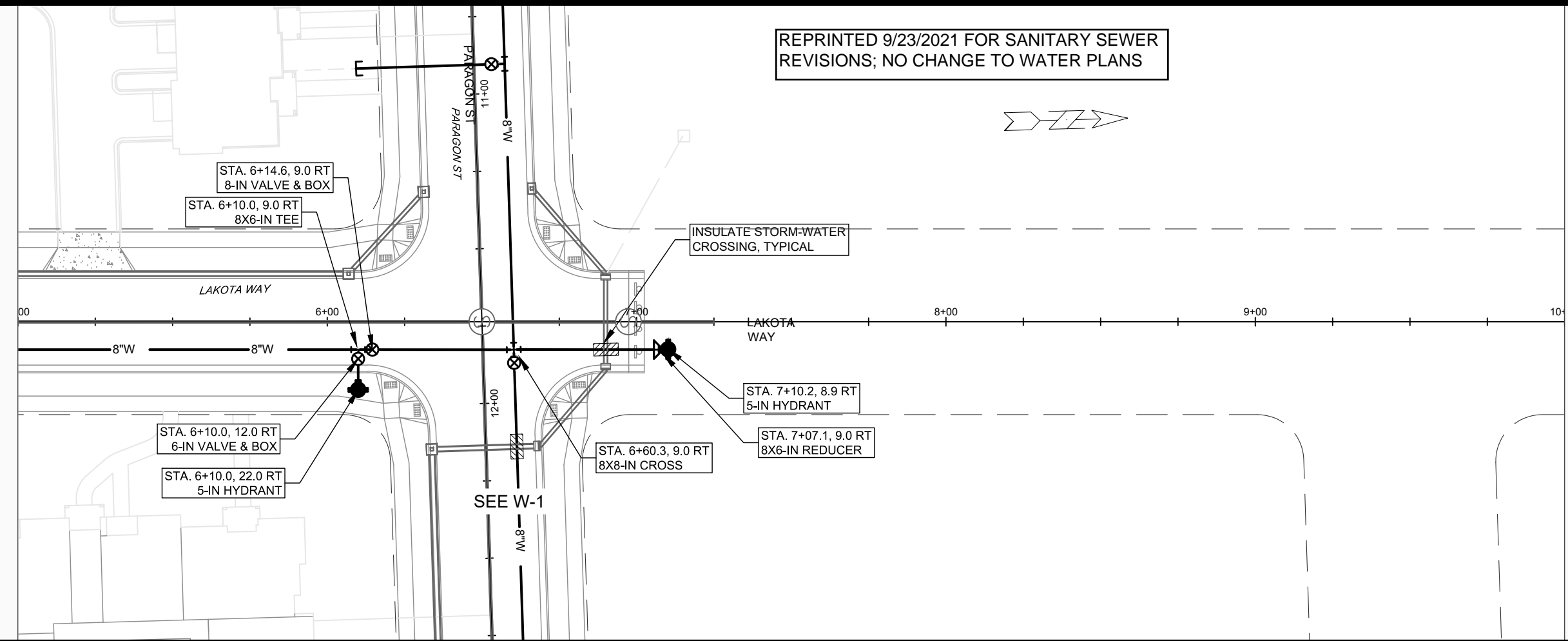
CONTRACT NO: 8436

PARAGON PLACE FIRST ADDITION: PHASE 1
 PLAN & PROFILE: LAKOTA ST WATER
CITY OF MADISON, WISCONSIN



17447
 W-2

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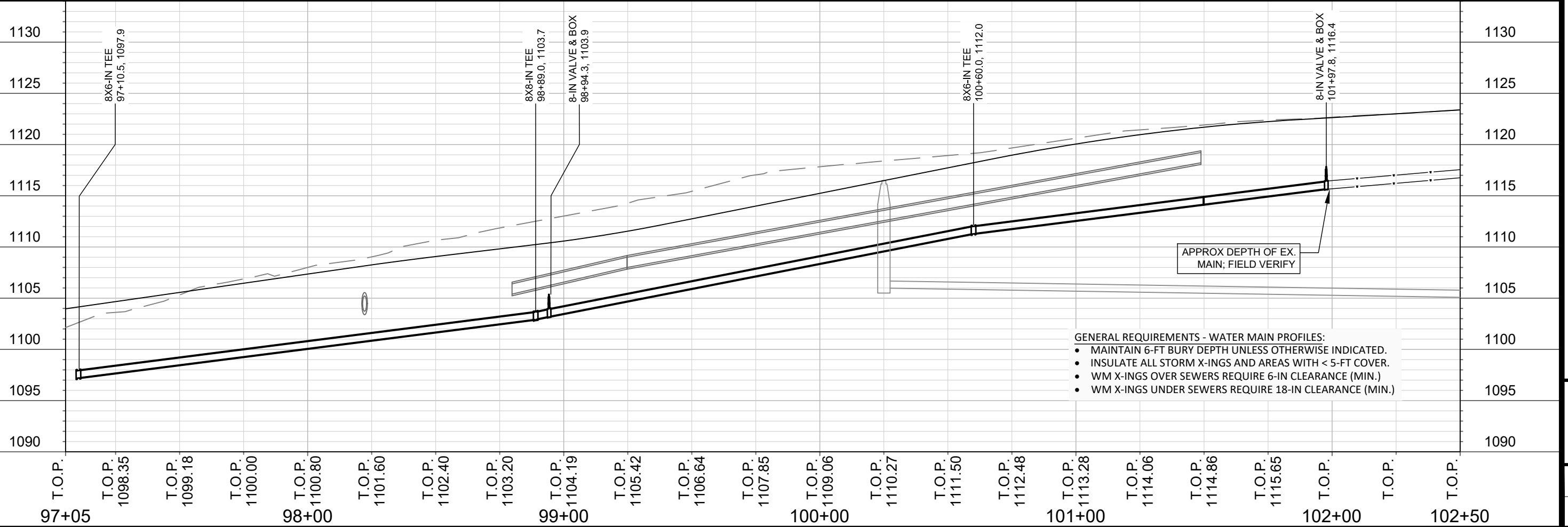
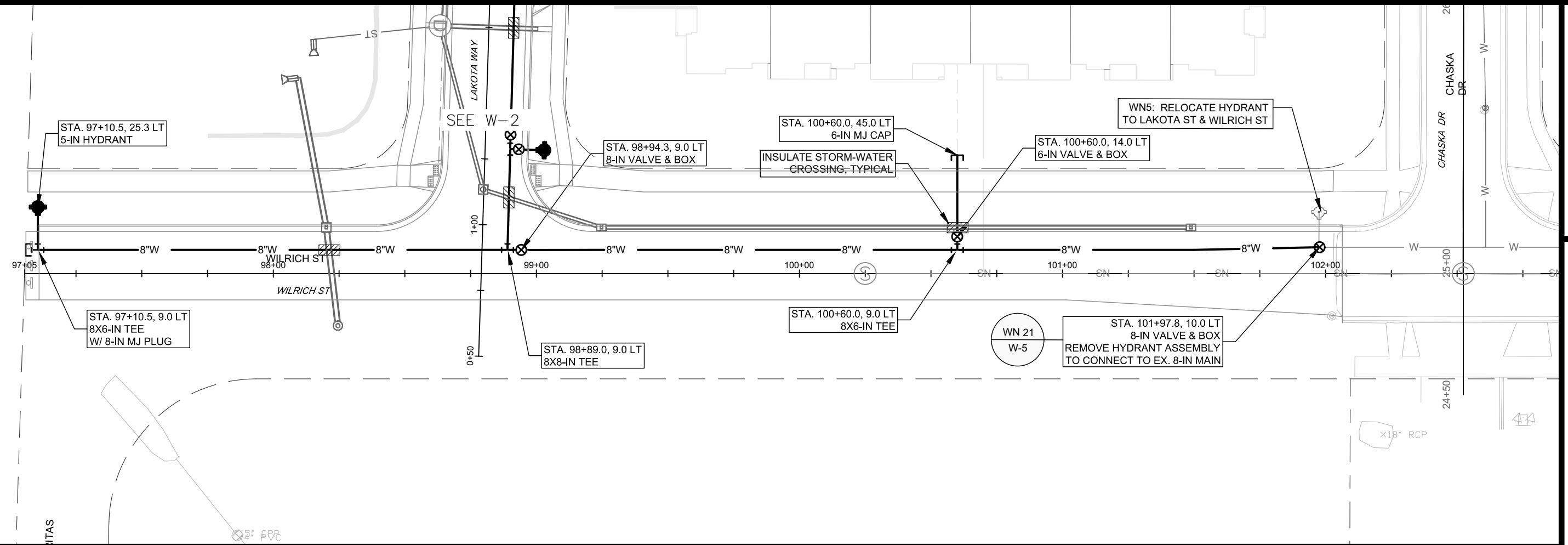
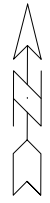
- GENERAL REQUIREMENTS - WATER MAIN PROFILES:**
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

SCALE: 1" = 40'
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 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 9/23/21

PARAGON PLACE FIRST ADDITION: PHASE 1
 PLAN & PROFILE: LAKOTA ST WATER
CITY OF MADISON, WISCONSIN
 CONTRACT NO: 8436



17447
 W-3



- GENERAL REQUIREMENTS - WATER MAIN PROFILES:**
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

PARAGON PLACE FIRST ADDITION: PHASE 1

PLAN & PROFILE: WILRICH ST WATER

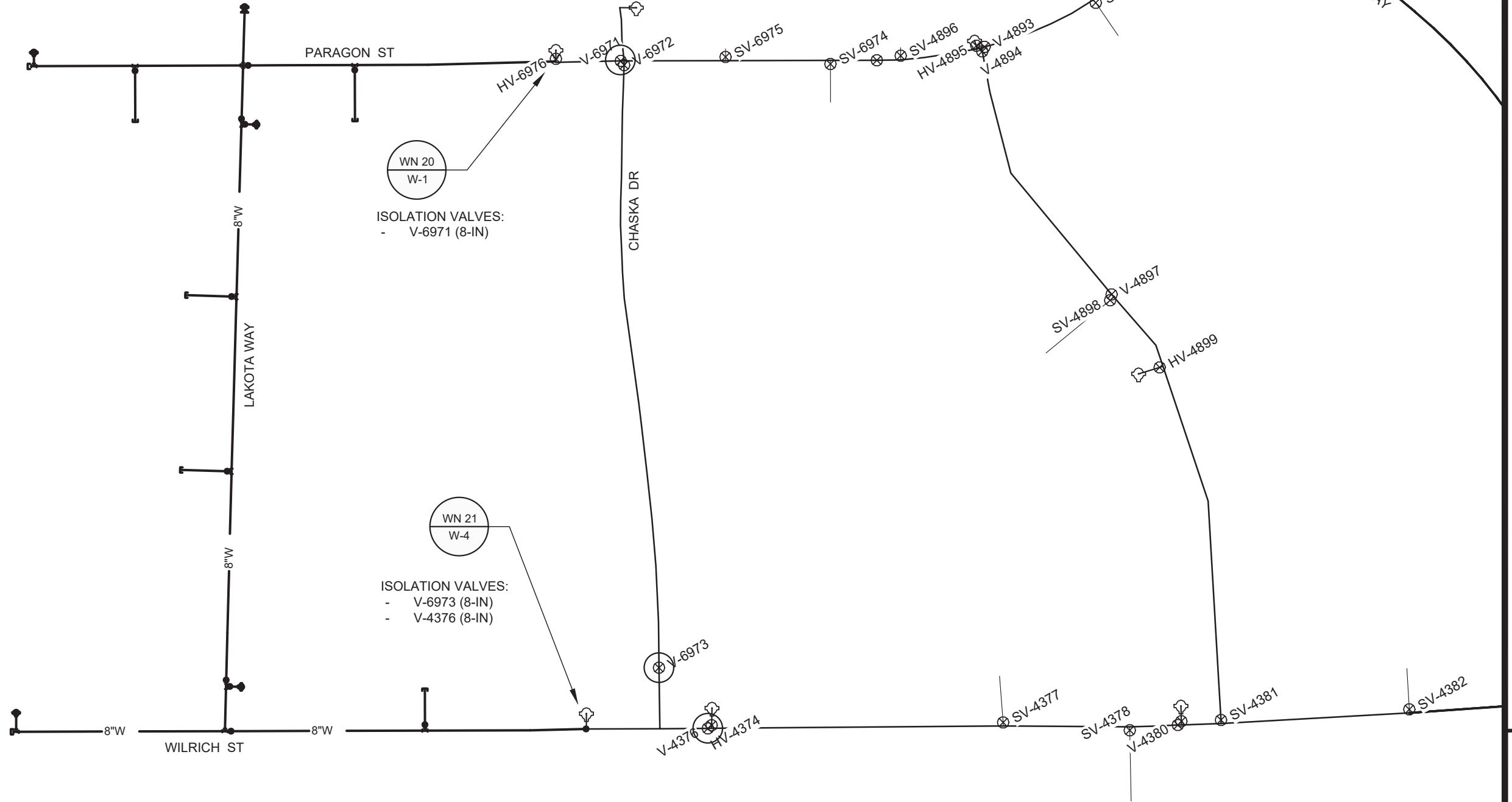
CITY OF MADISON, WISCONSIN



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W-4

CONTRACT NO: 8436

SCALE: 1" = 40'
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MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 7/27/21



WN 20
W-1

ISOLATION VALVES:
- V-6971 (8-IN)

WN 21
W-4

ISOLATION VALVES:
- V-6973 (8-IN)
- V-4376 (8-IN)

DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

SCALE: 1" = 100'
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MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 3/15/2021

PARAGON PLACE FIRST ADDITION: PHASE 1
WATER IMPACT PLAN
CITY OF MADISON, WISCONSIN
CONTRACT NO: 8436



17447
W-5



CONSTRUCTION NOTES:

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. 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 WHEN THE WATER MAIN IS CUT OFF.
- 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.

WATER UTILITY ULO SCHEDULE

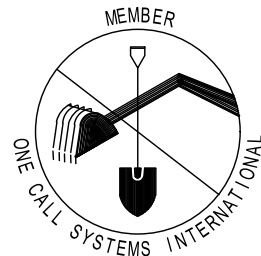
ESTIMATE OF NEW MATERIALS*

DESCRIPTION	QUANTITY	UNIT
6-INCH PIPE	295	LNFT
8-INCH PIPE	1570	LNFT
6-INCH WATER VALVE	7	EACH
8-INCH WATER VALVE	5	EACH
5-IN HYDRANT	4	EACH
STYROFOAM INSULATION	88	LNFT
6-IN MJ CAP	5	EACH
8-IN MJ PLUG	2	EACH
8X6 IN REDUCER	1	EACH
8X6-IN TEE	9	EACH
8X8-IN TEE	1	EACH
8X8-IN CROSS	1	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.



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.

ESTIMATE OF REUSED AND SALVAGED MATERIALS*

DESCRIPTION	QUANTITY	TYPE
5-IN HYDRANT	1	REUSE

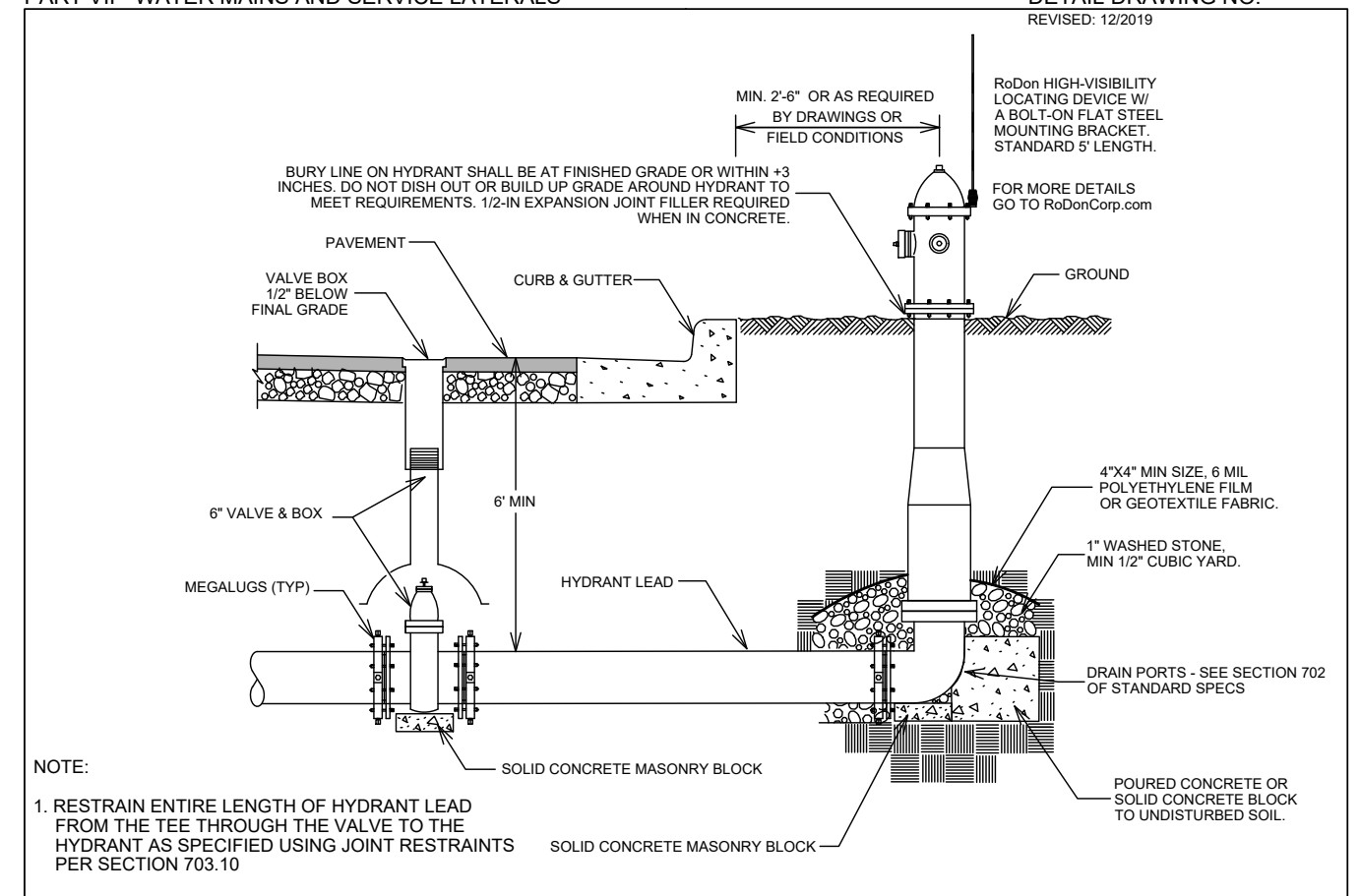
* ESTIMATES OF MATERIALS ARE FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

** 1-IN AND 2-IN COPPER TUBING AS REQUIRED

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2019



NOTE:

1. RESTRAIN ENTIRE LENGTH OF HYDRANT LEAD FROM THE TEE THROUGH THE VALVE TO THE HYDRANT AS SPECIFIED USING JOINT RESTRAINTS PER SECTION 703.10

CITY OF MADISON WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

PARAGON PLACE FIRST ADDITION: PHASE 1

WATER ESTIMATE OF MATERIALS

CITY OF MADISON, WISCONSIN

SCALE: N/A

DESIGNED BY: KBM

MADISON WATER UTILITY

119 E OLIN AVE, MADISON, WI 53713

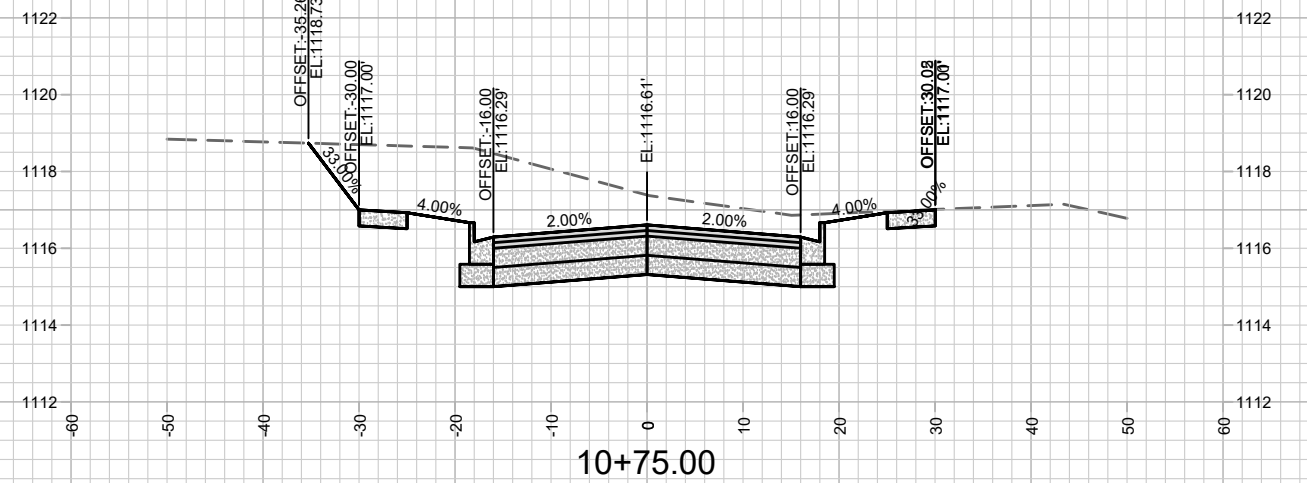
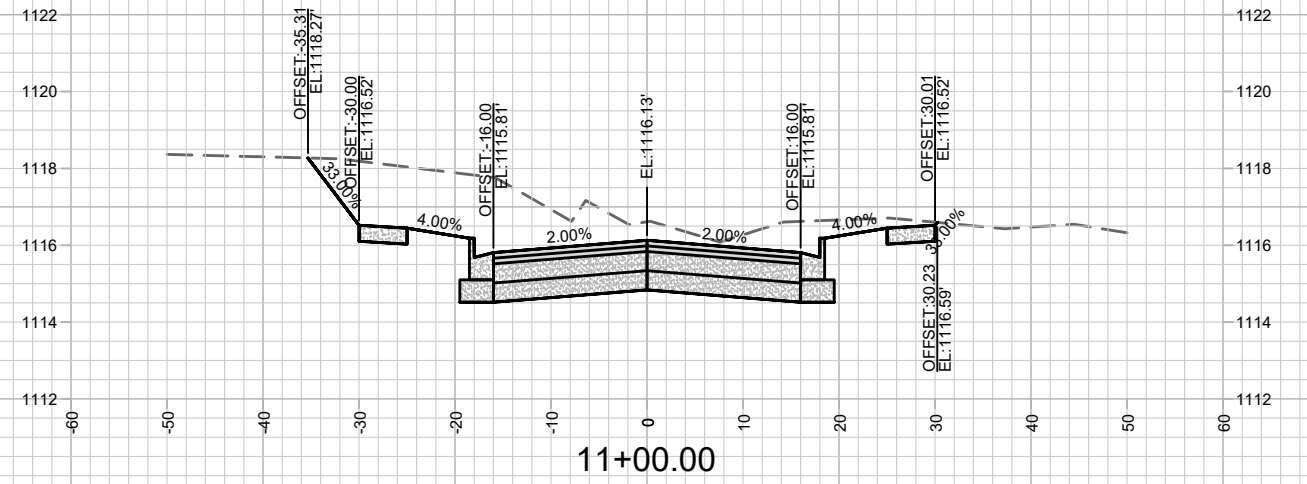
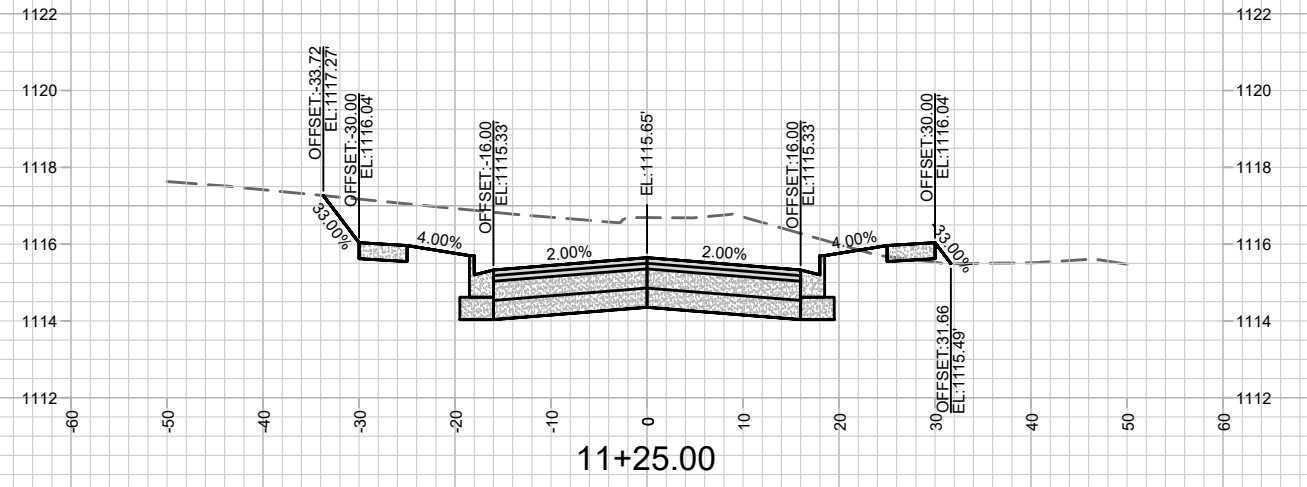
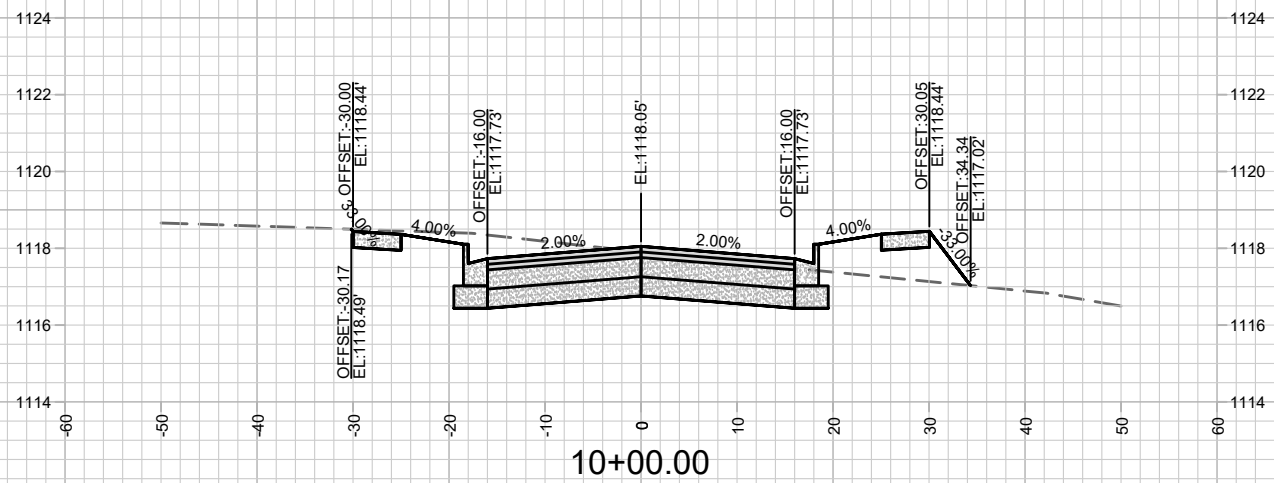
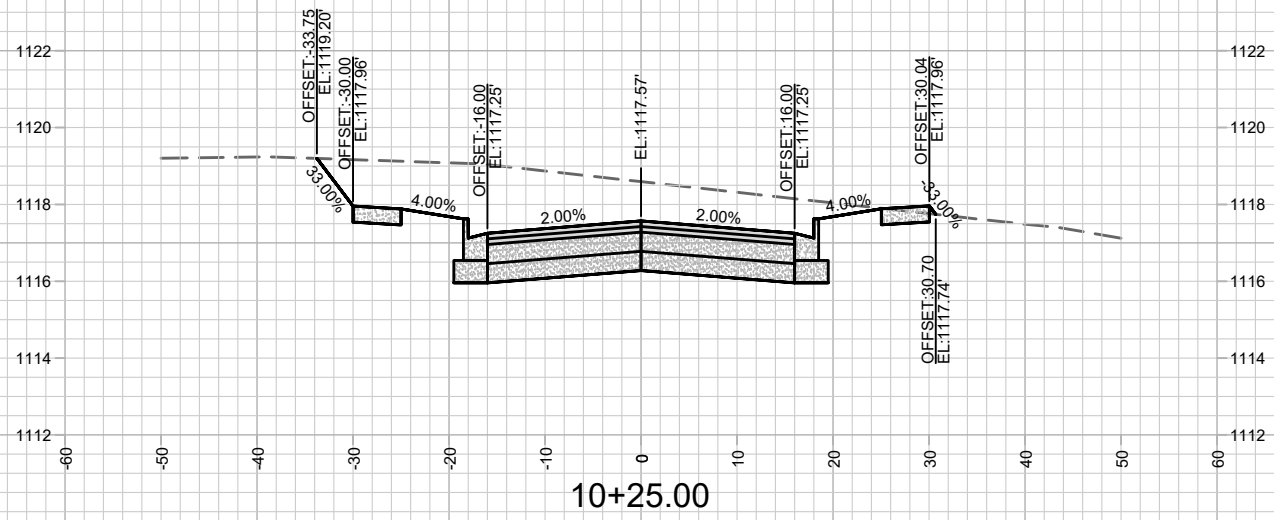
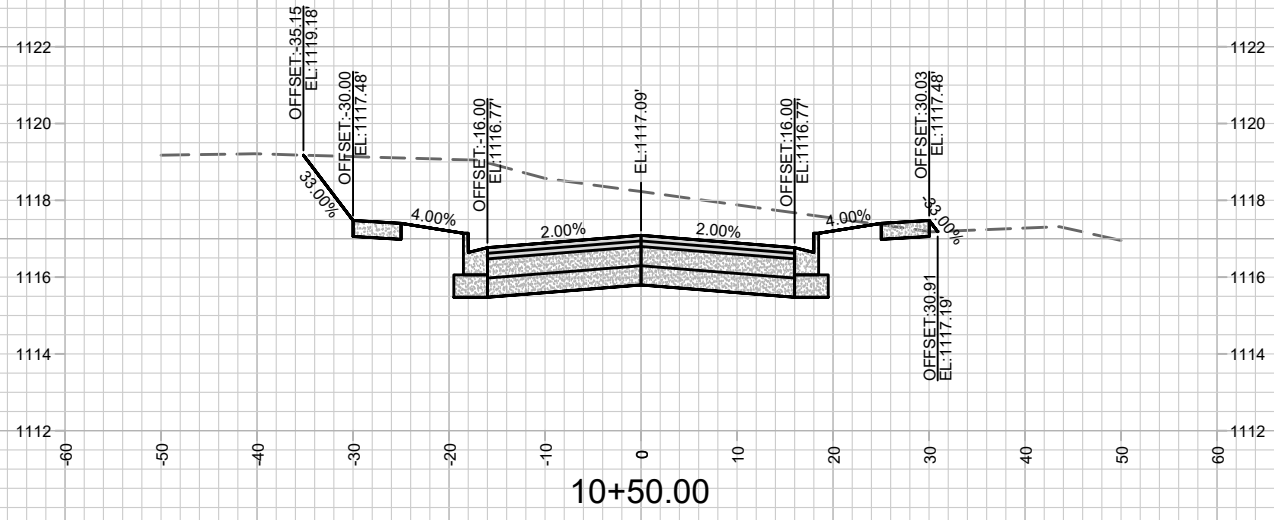
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CONTRACT NO: 8436



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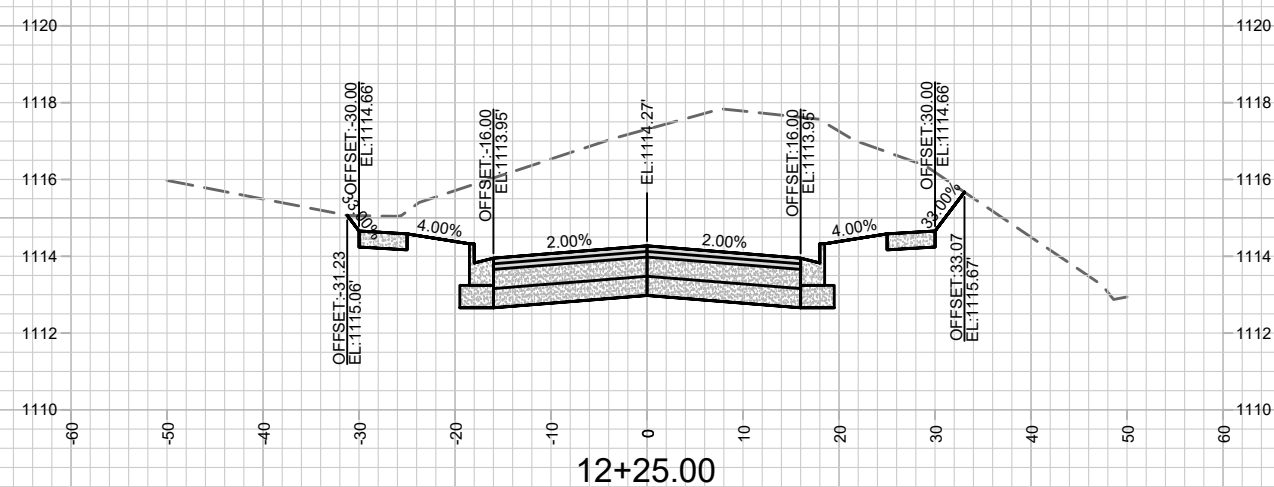
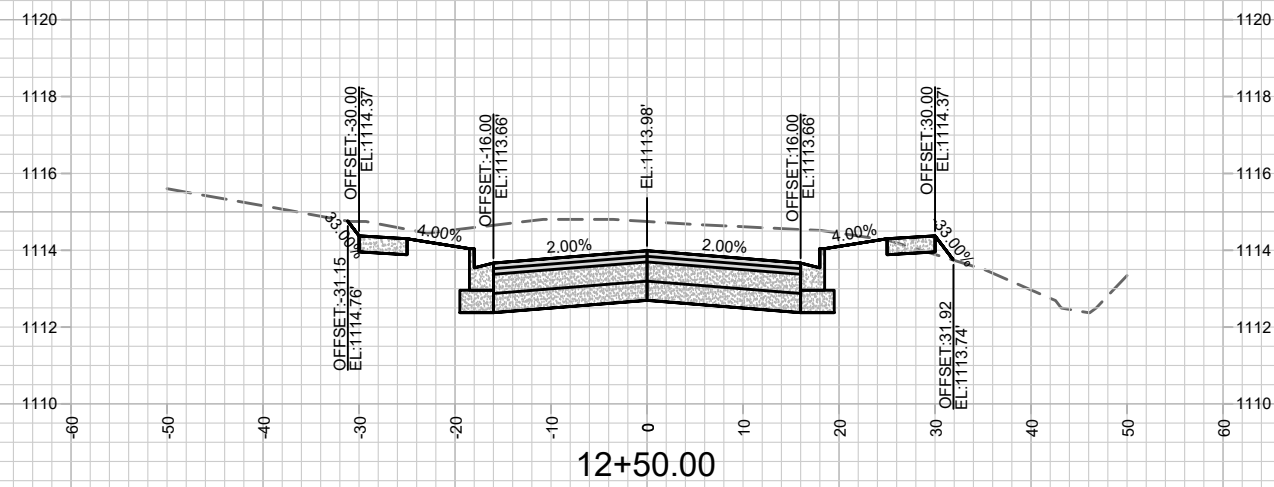
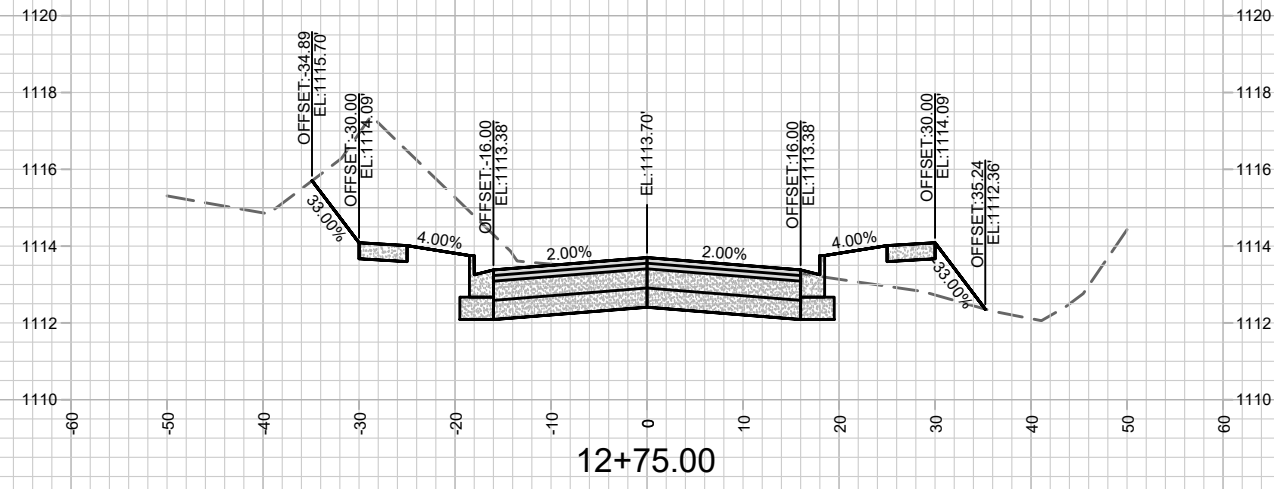
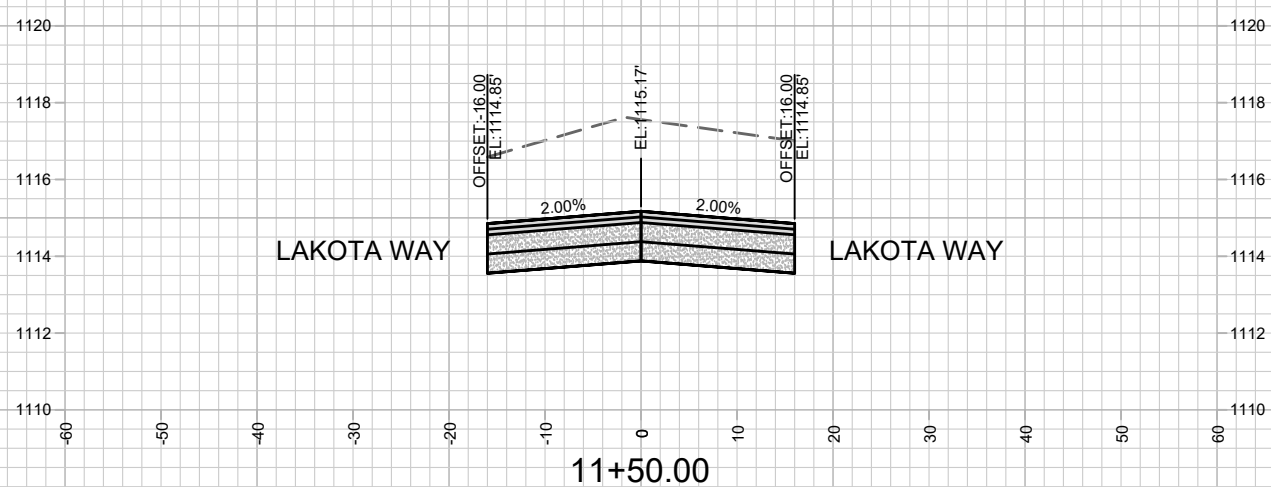
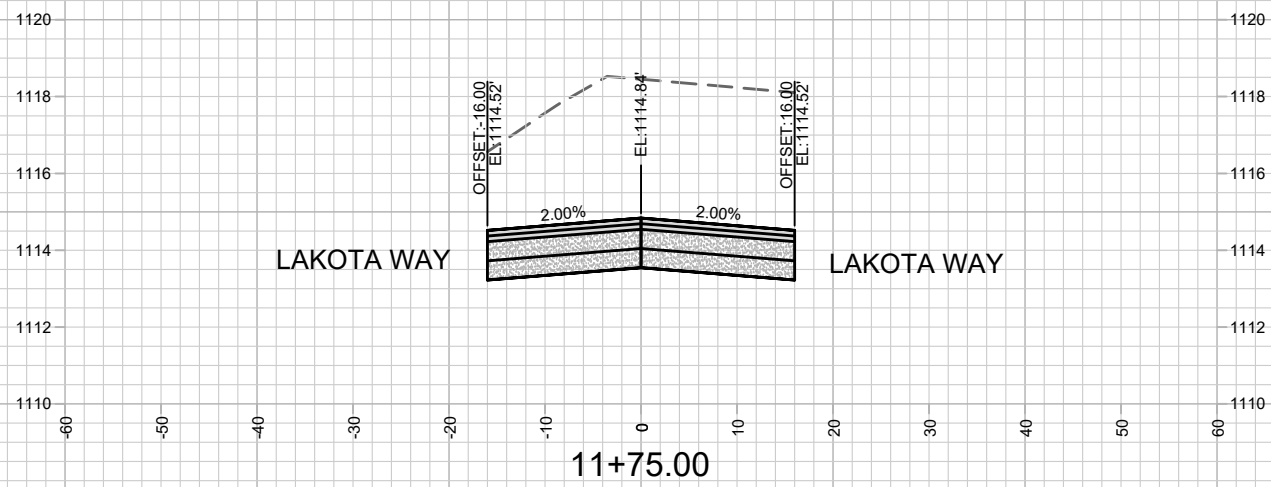
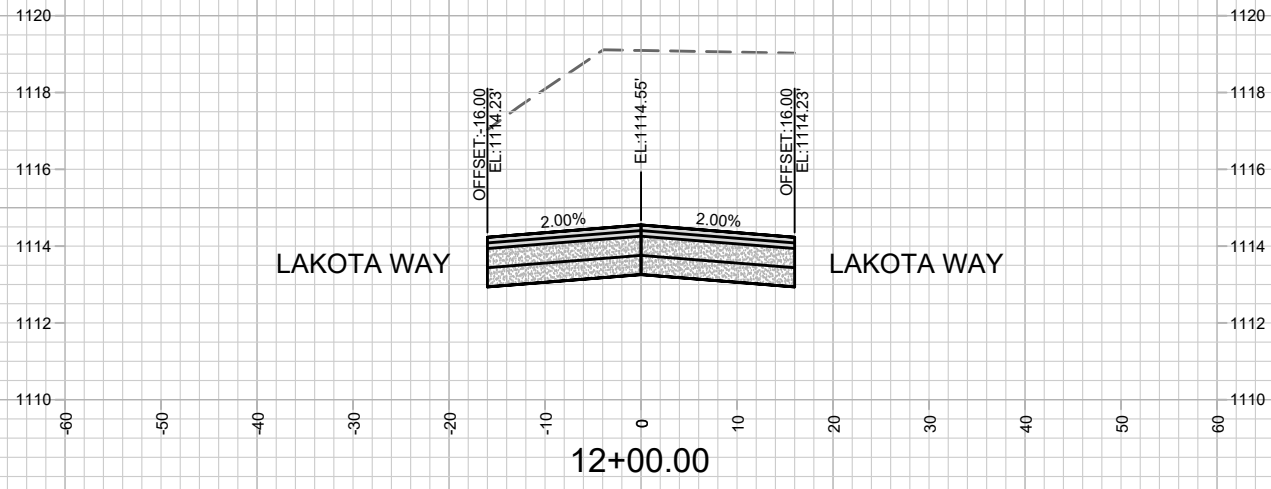
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MADISON, WI
8436
CONTRACT NO:

CROSS SECTIONS - PARAGON STREET
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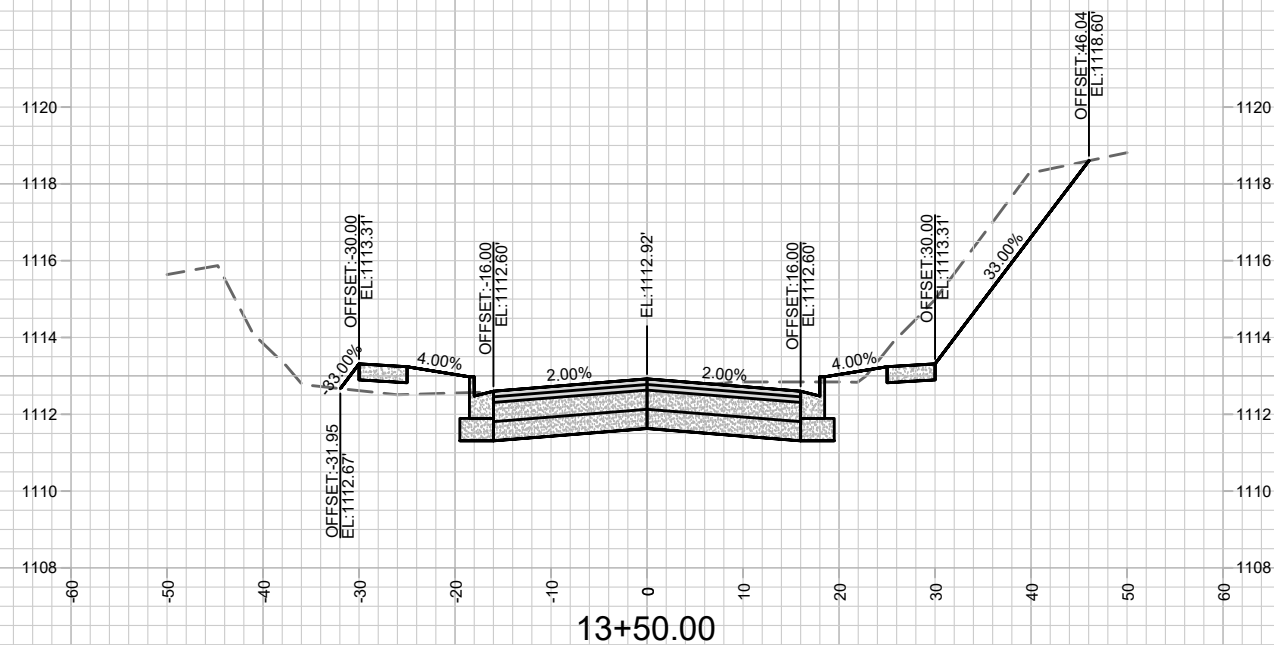
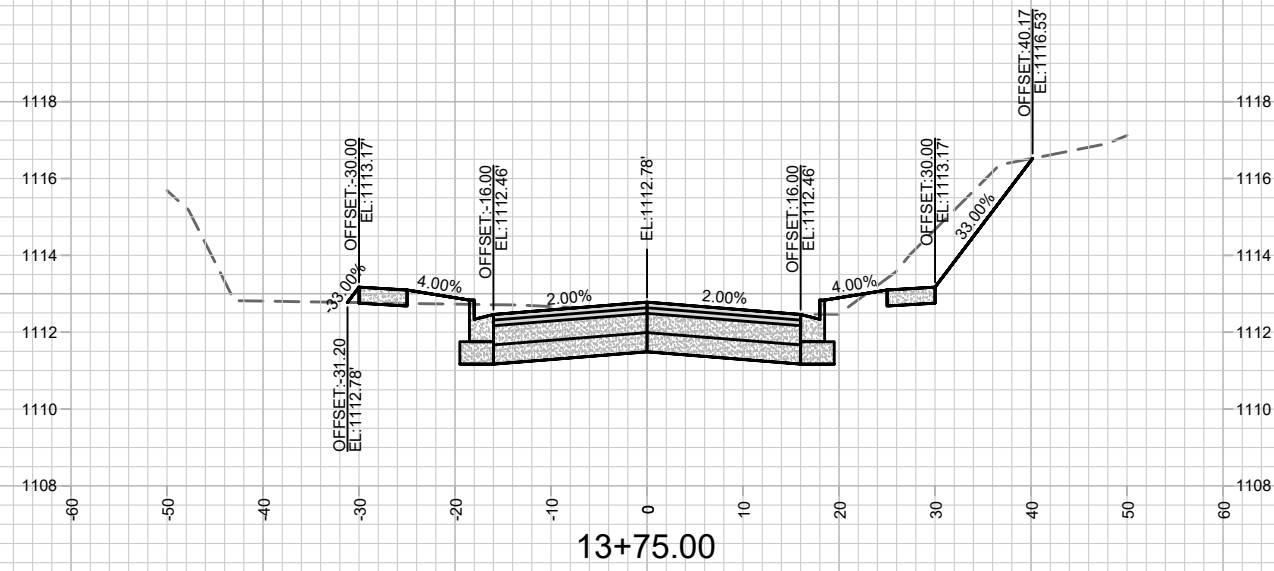
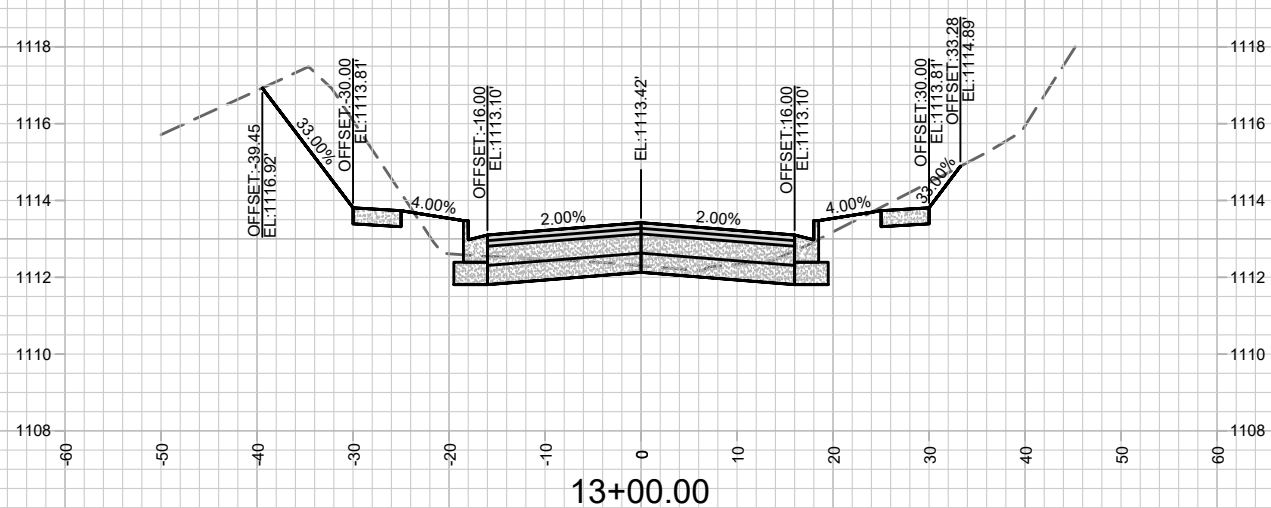
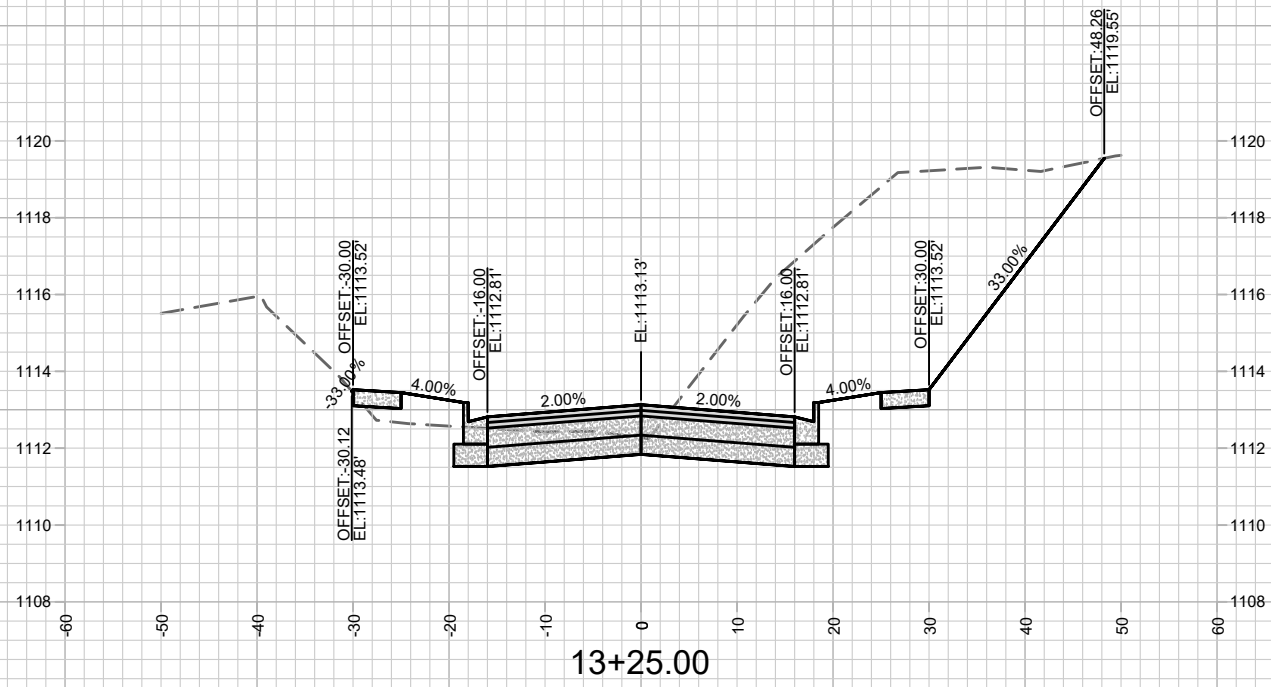
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MADISON, WI
8436
CONTRACT NO:

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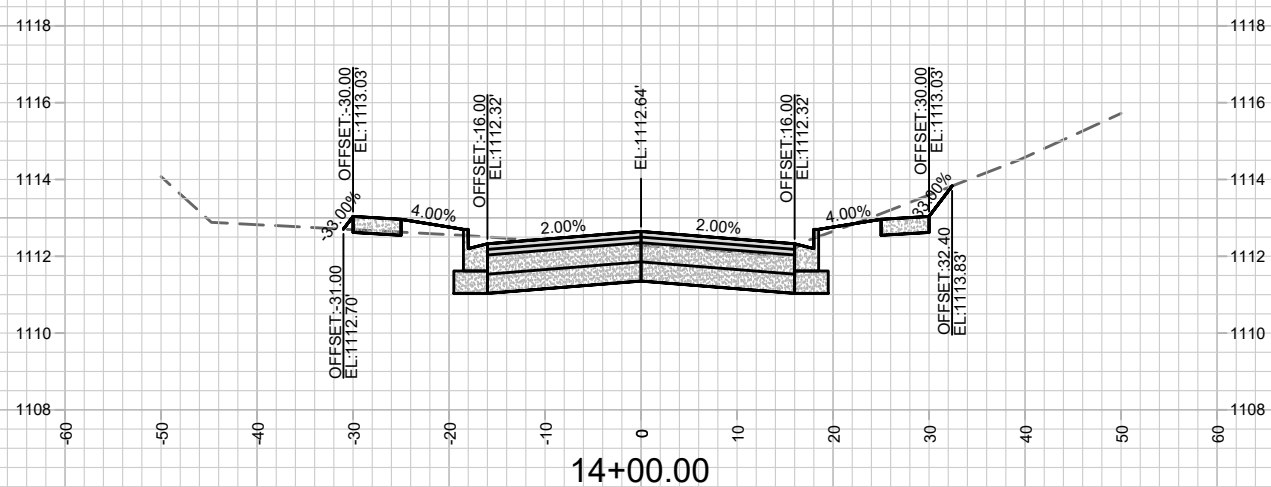
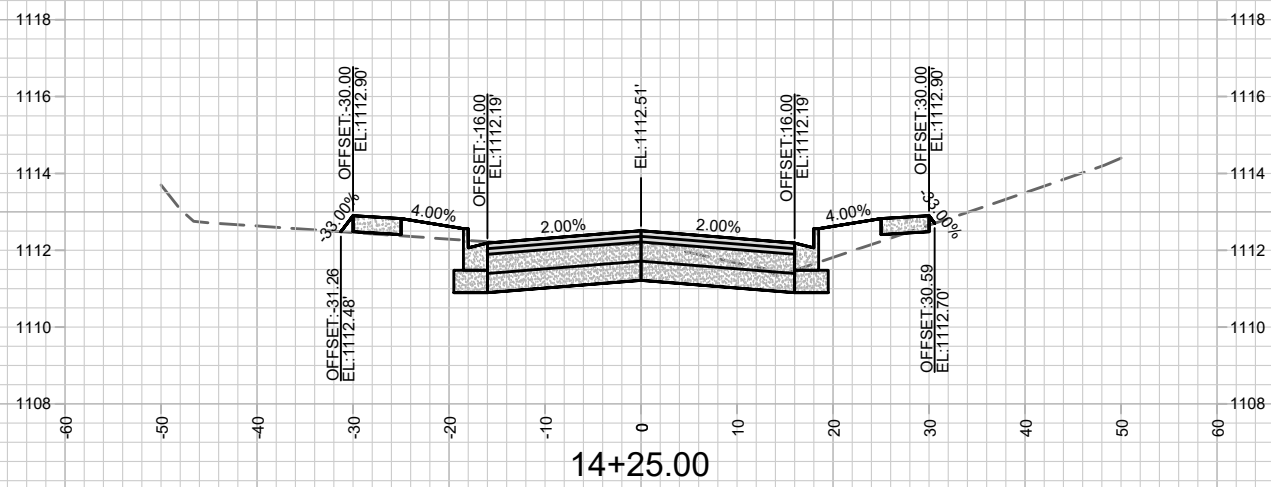
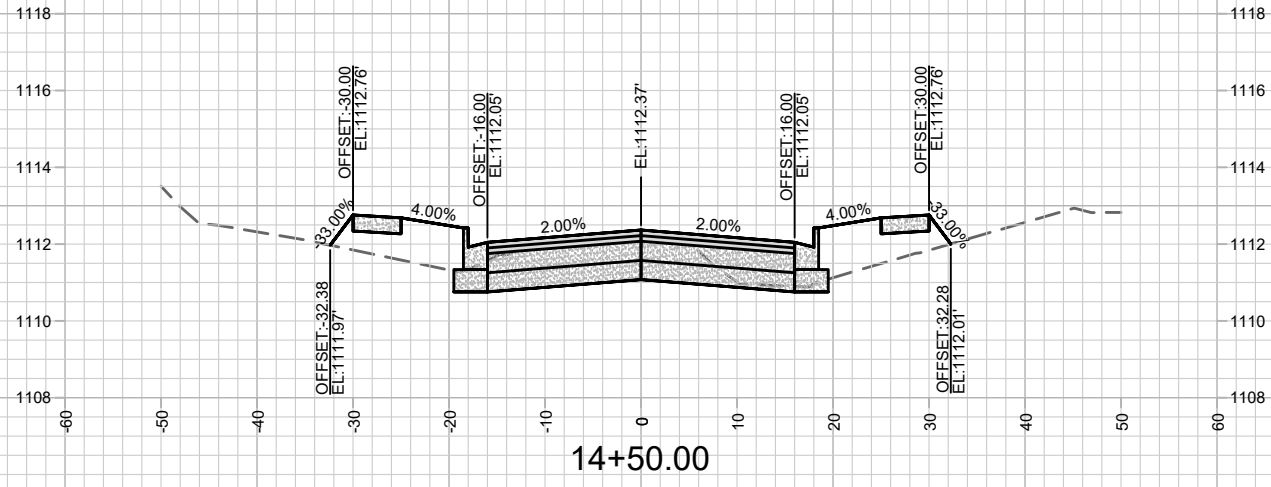
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 8436
 CONTRACT NO:



17447
 X-3

CROSS SECTIONS - PARAGON STREET
 PARAGON PLACE FIRST ADDITION: PHASE 1
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Designed By: FBEG Date: 8/23/2021 9:11 AM
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 17447
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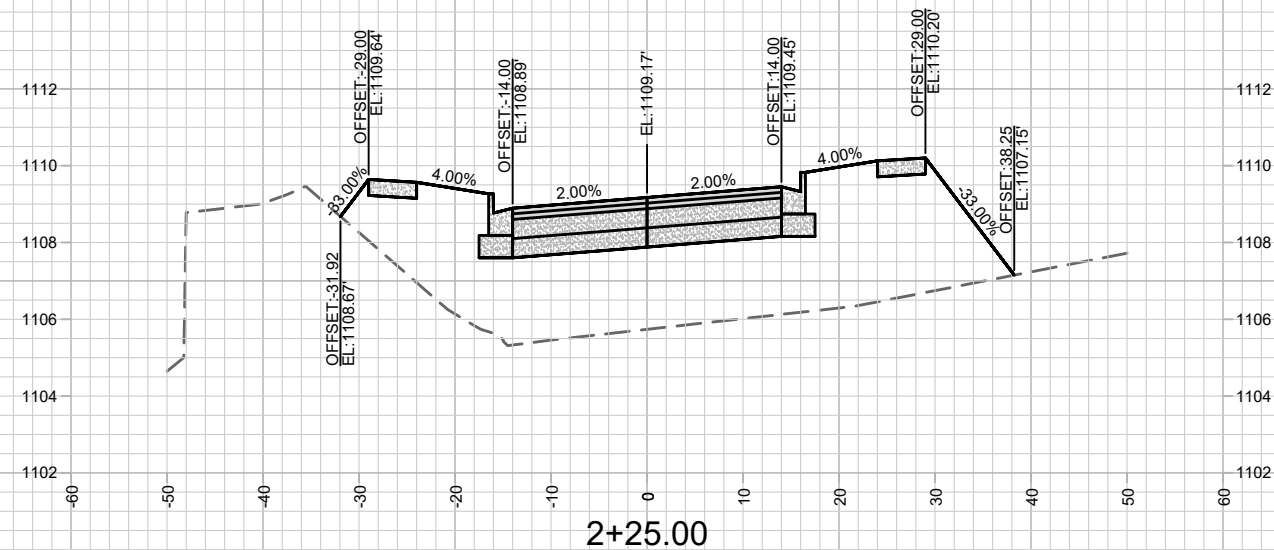
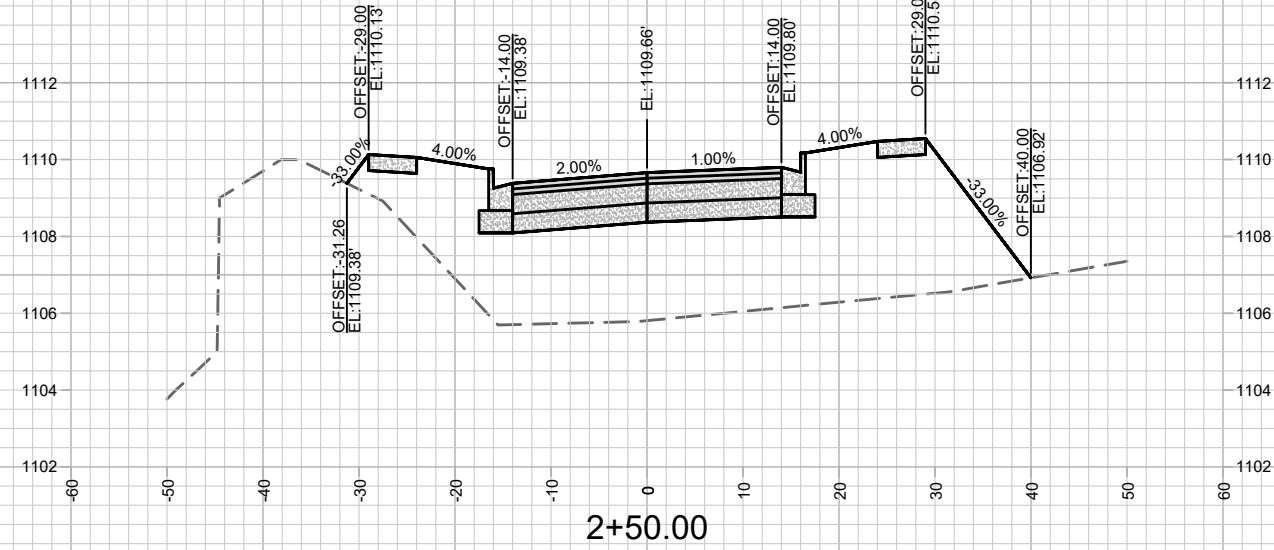
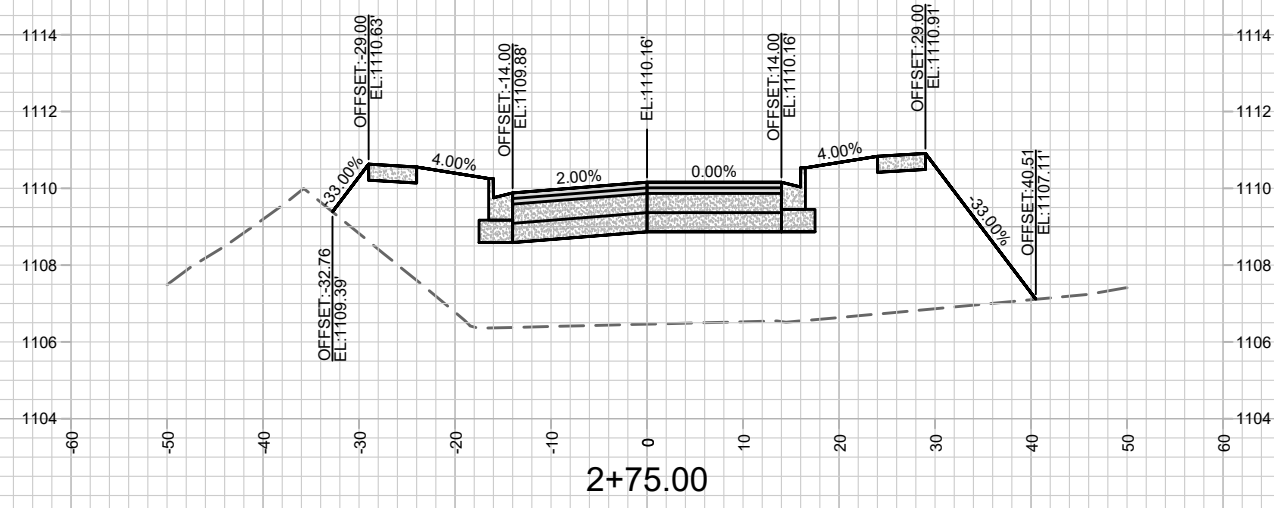
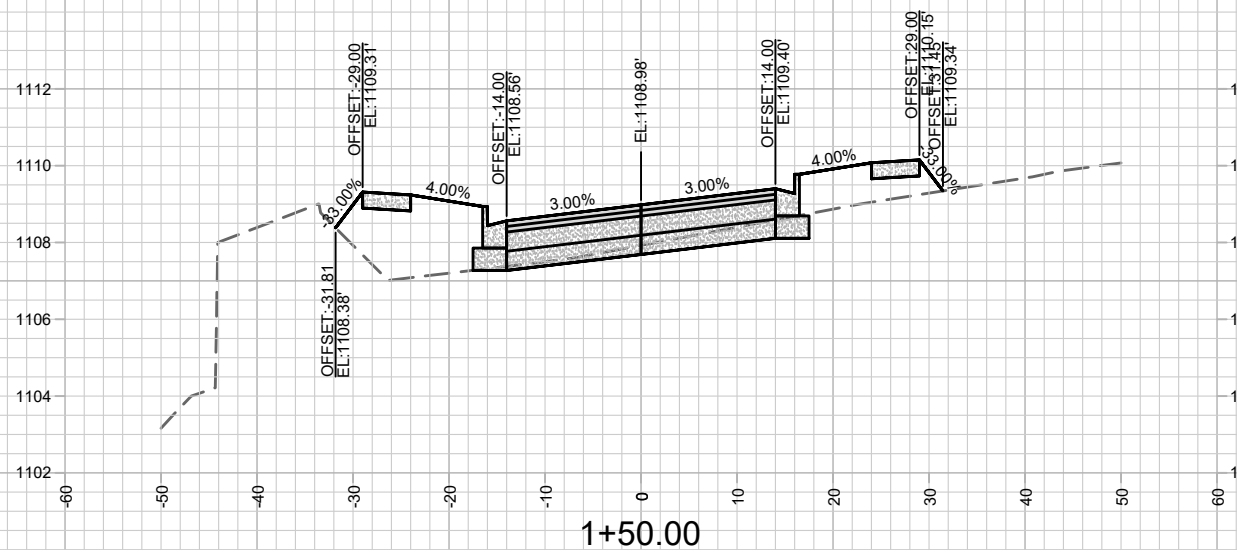
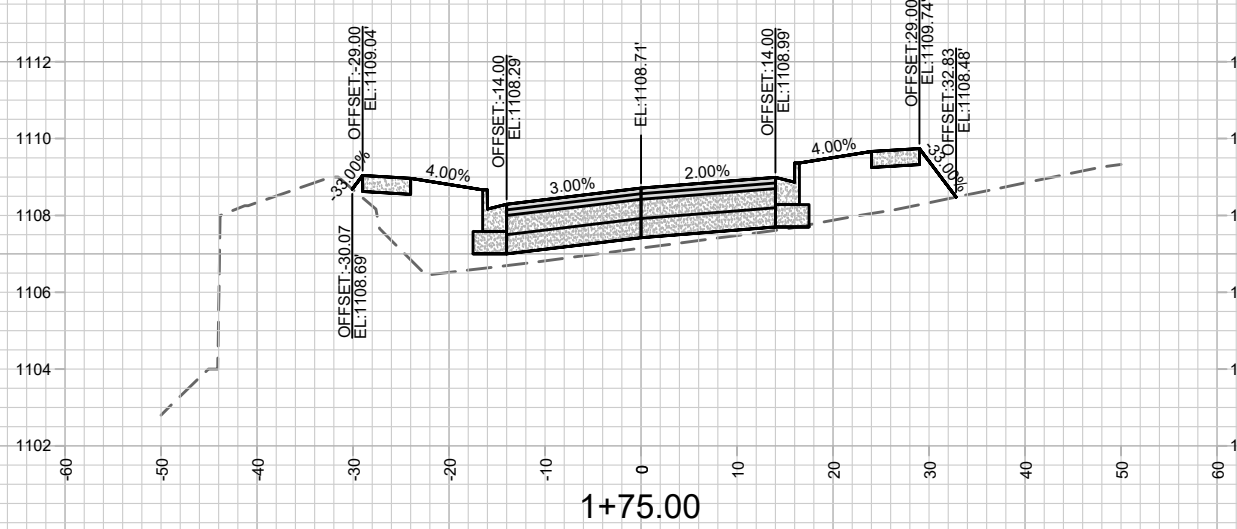
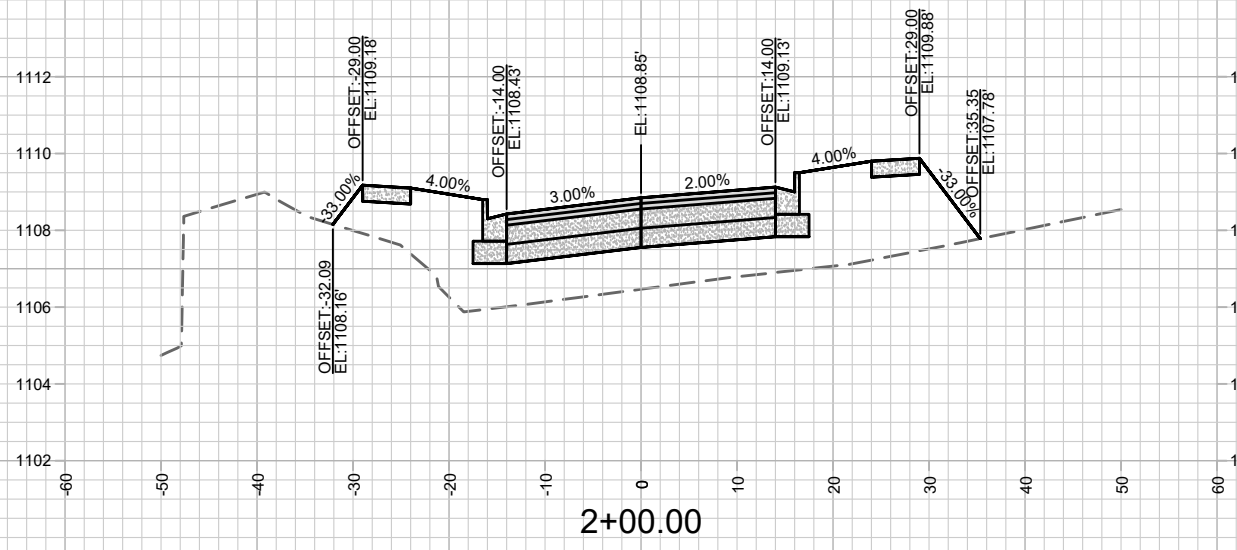
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17447			X-4

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 MADISON, WI
 CONTRACT NO: 8436

CROSS SECTIONS - PARAGON STREET
 PARAGON PLACE FIRST ADDITION: PHASE 1
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17447
 X-4



MARK	REVISION	DATE	BY

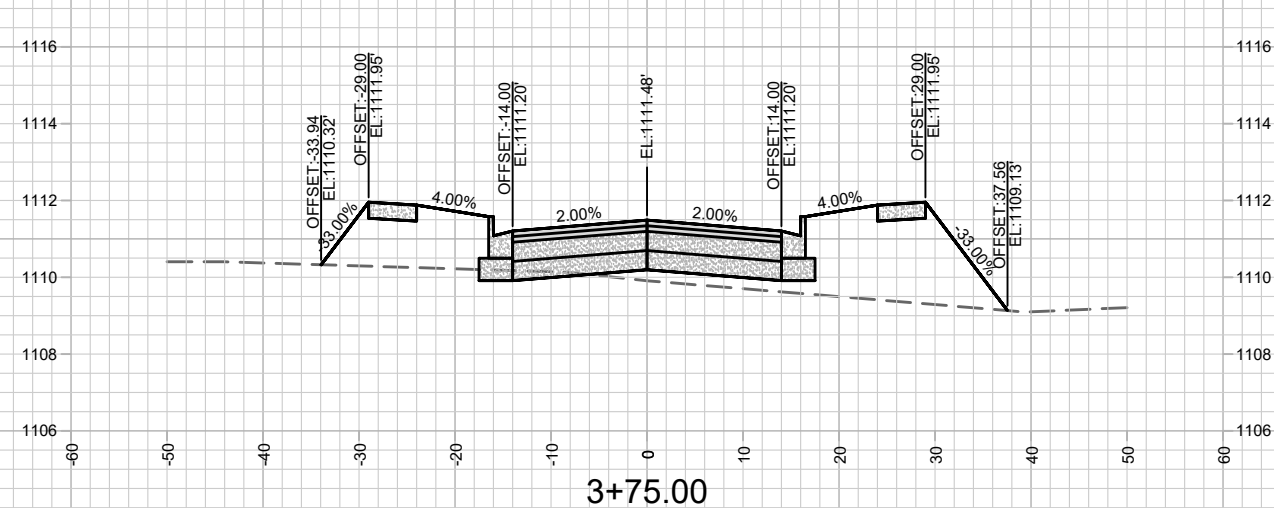
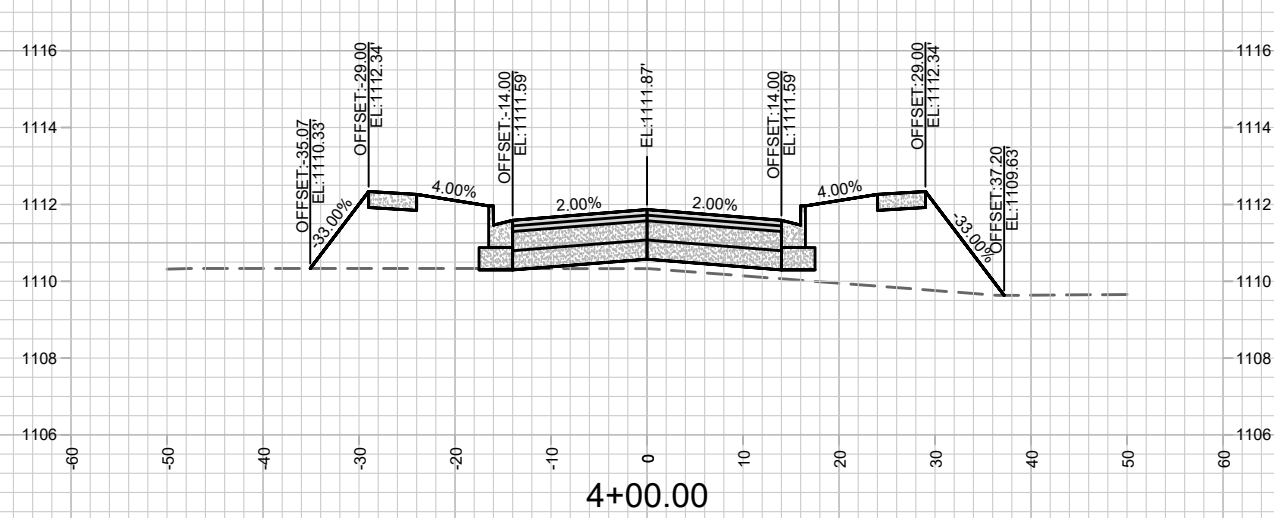
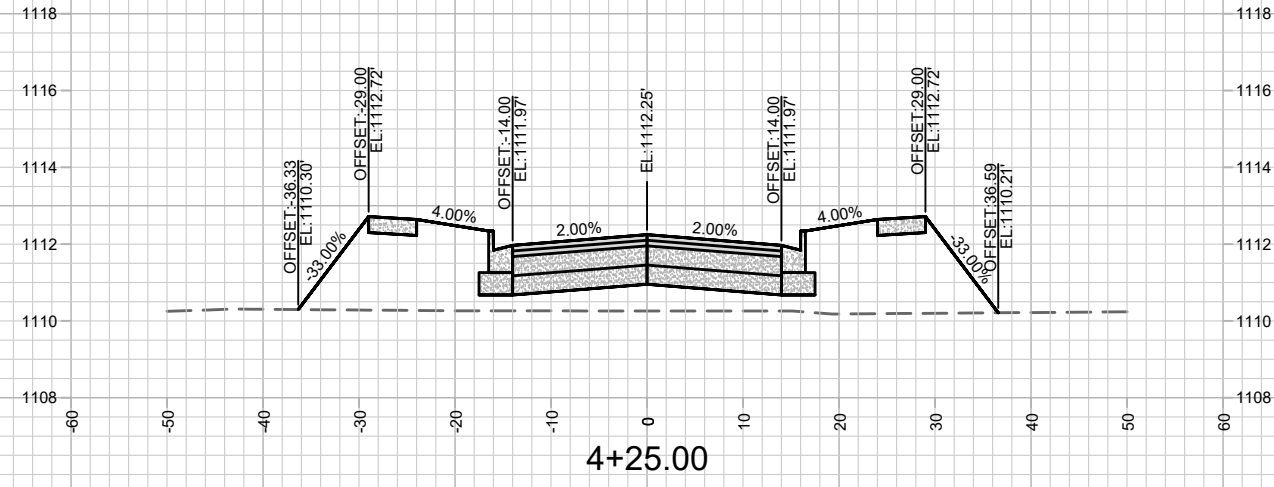
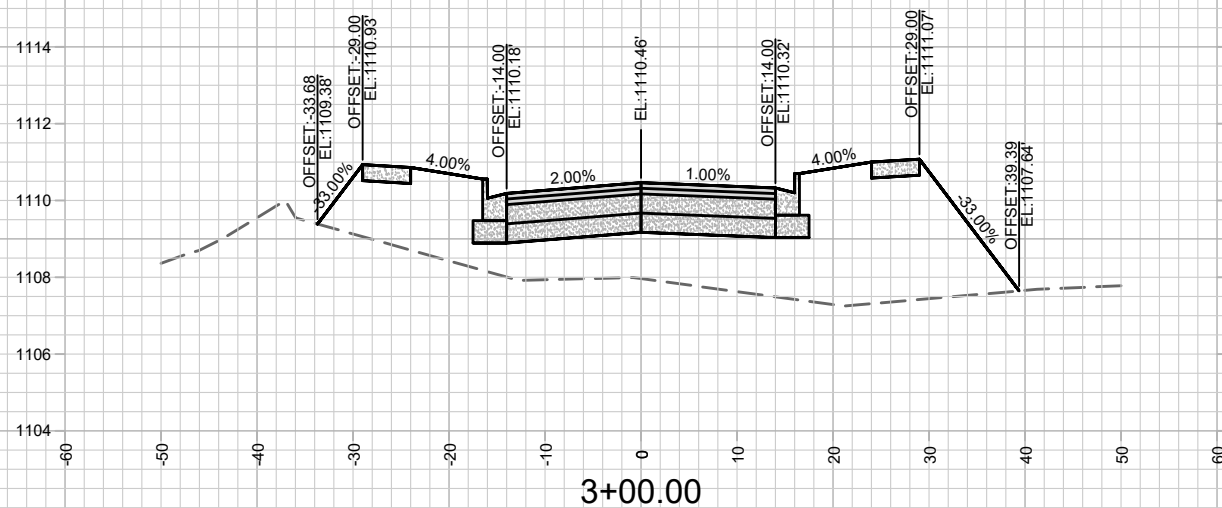
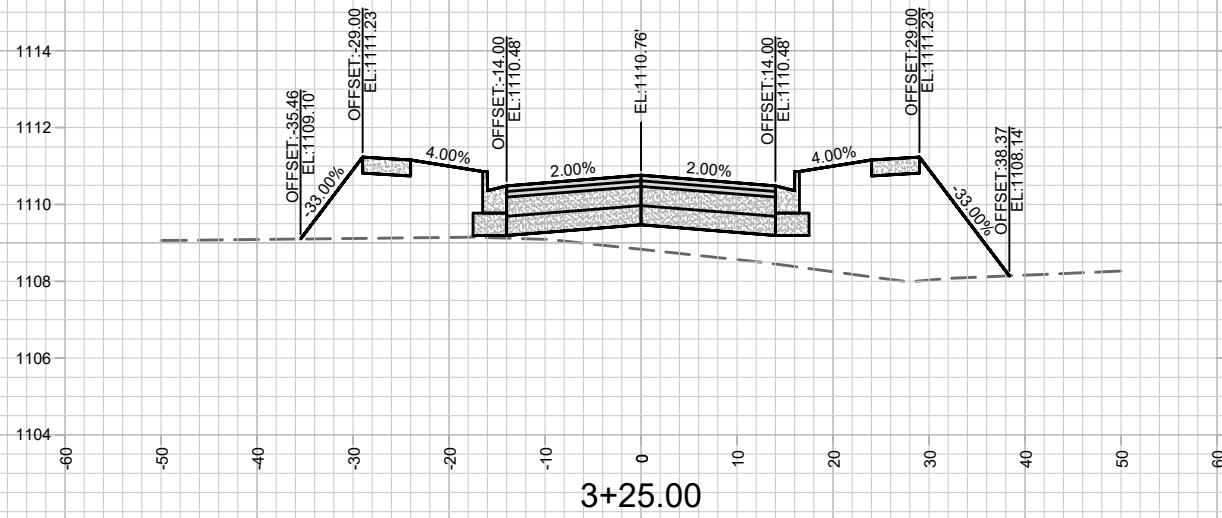
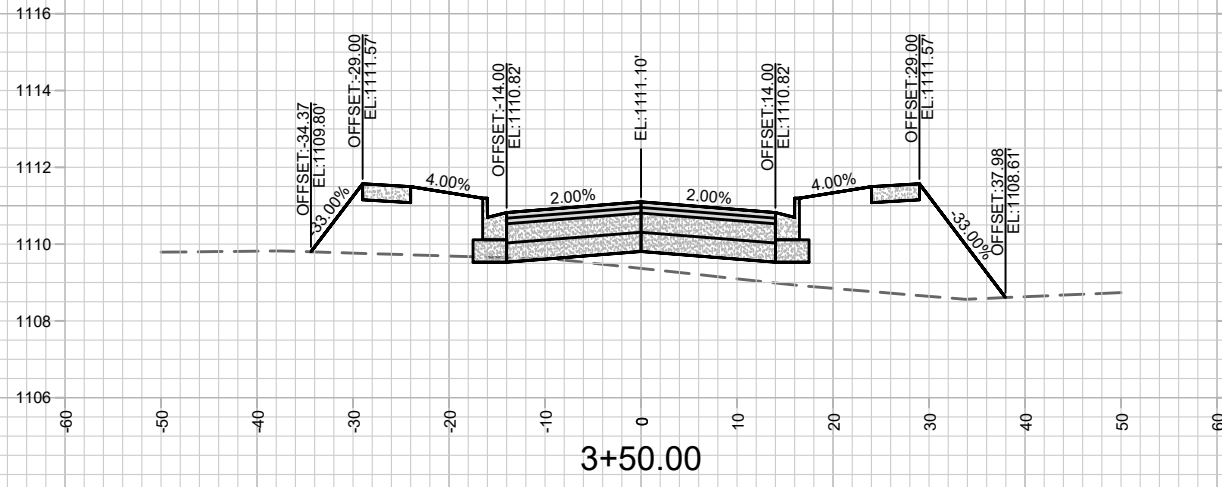
17447
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 CONTRACT NO:

CROSS SECTIONS - LAKOTA WAY
 PARAGON PLACE FIRST ADDITION: PHASE 1
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 X-5

Scale: 1" = 20'
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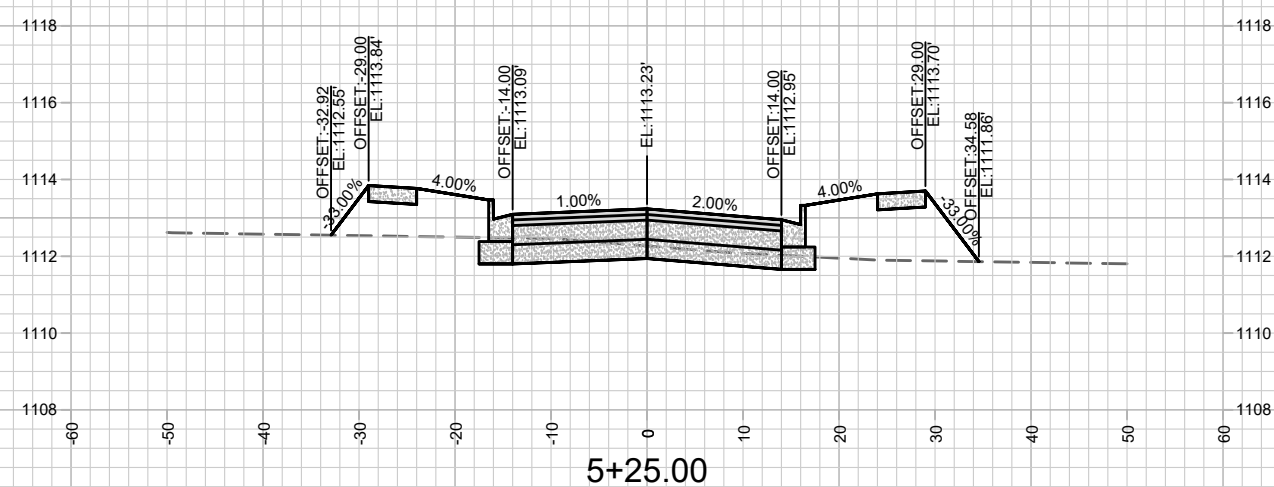
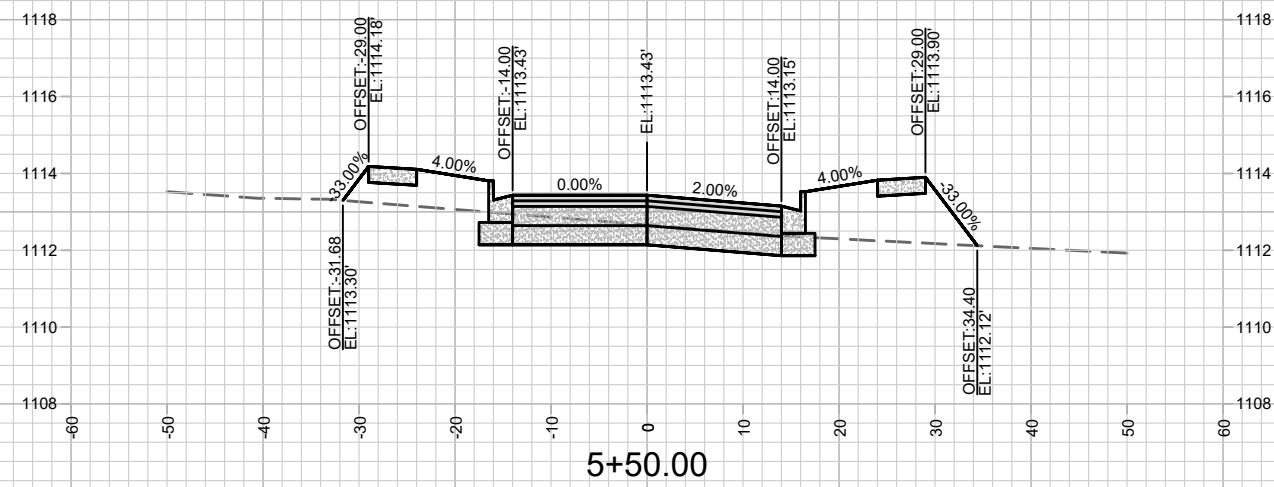
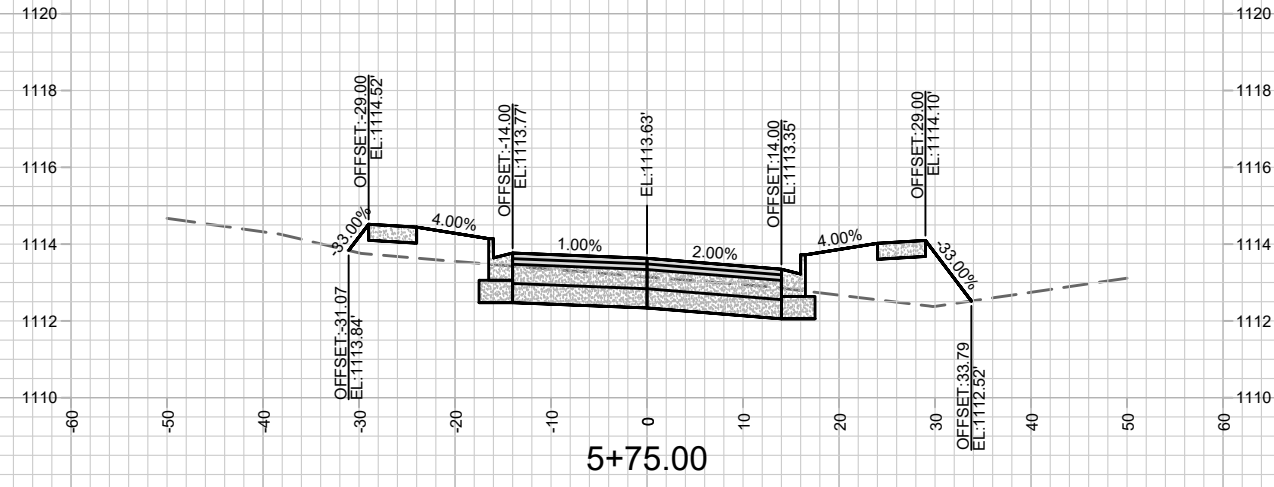
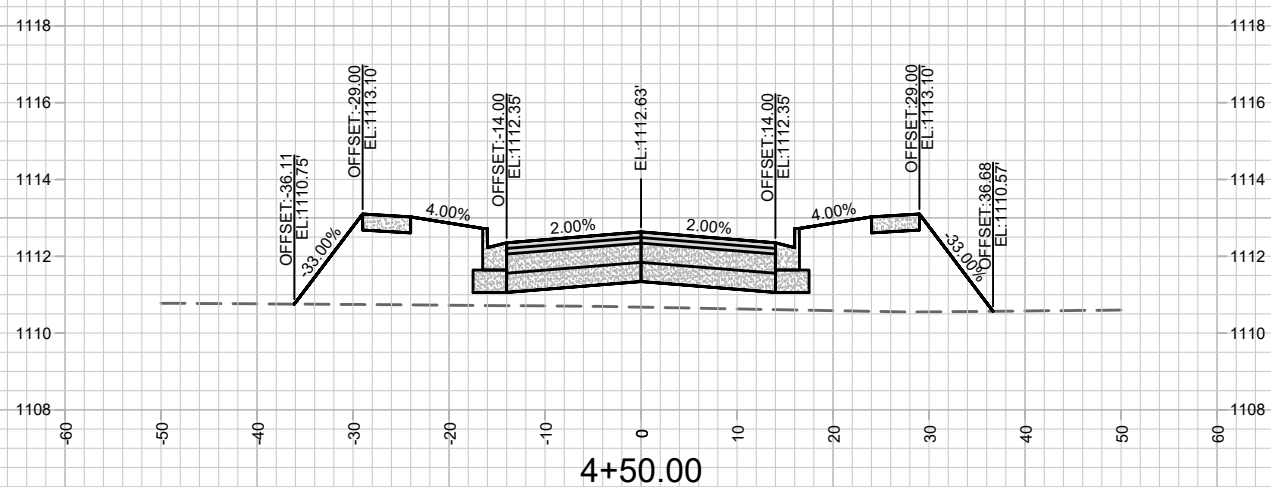
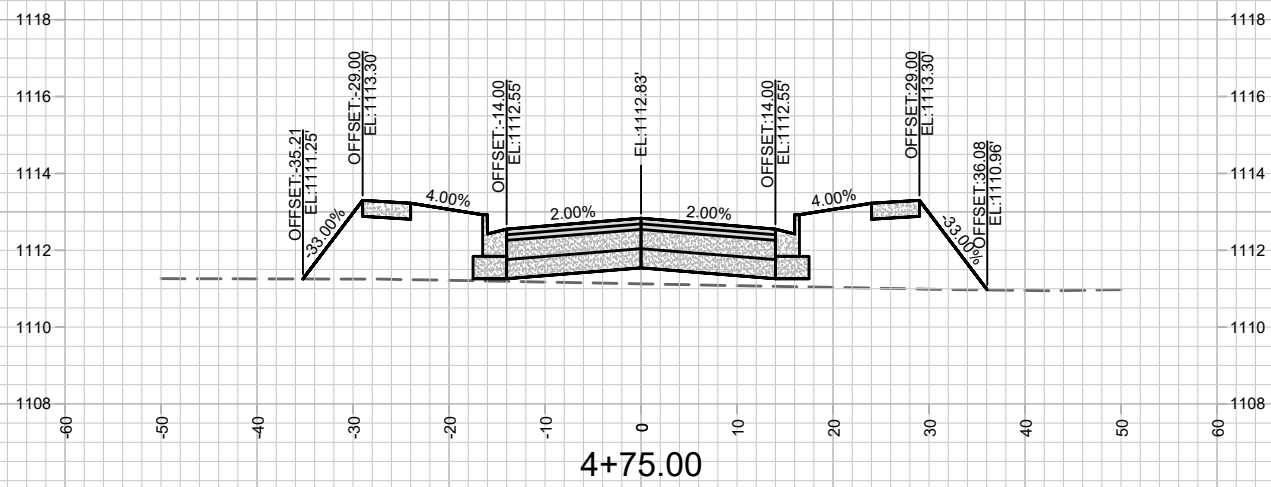
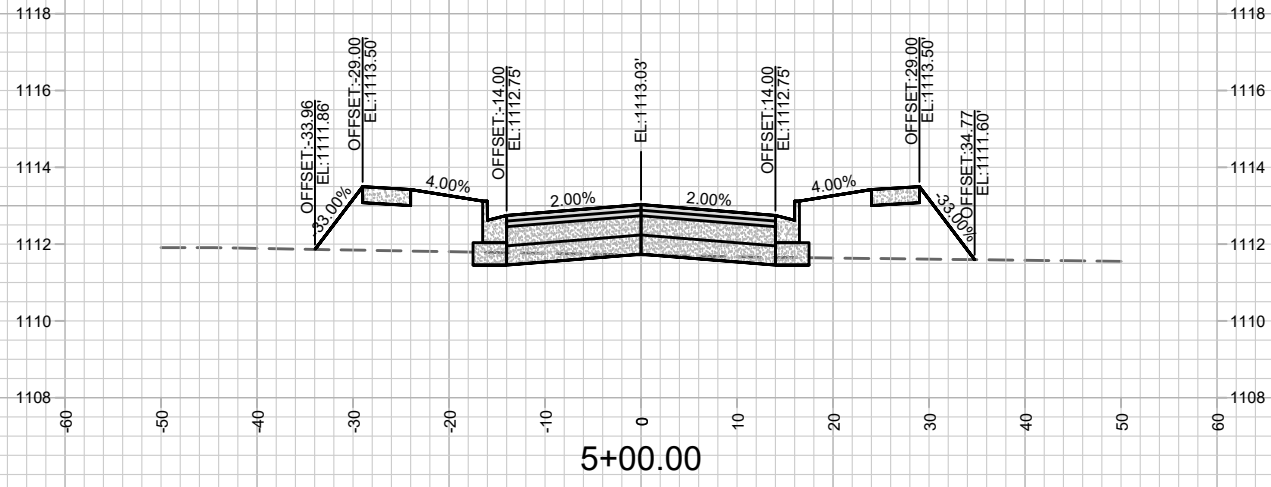
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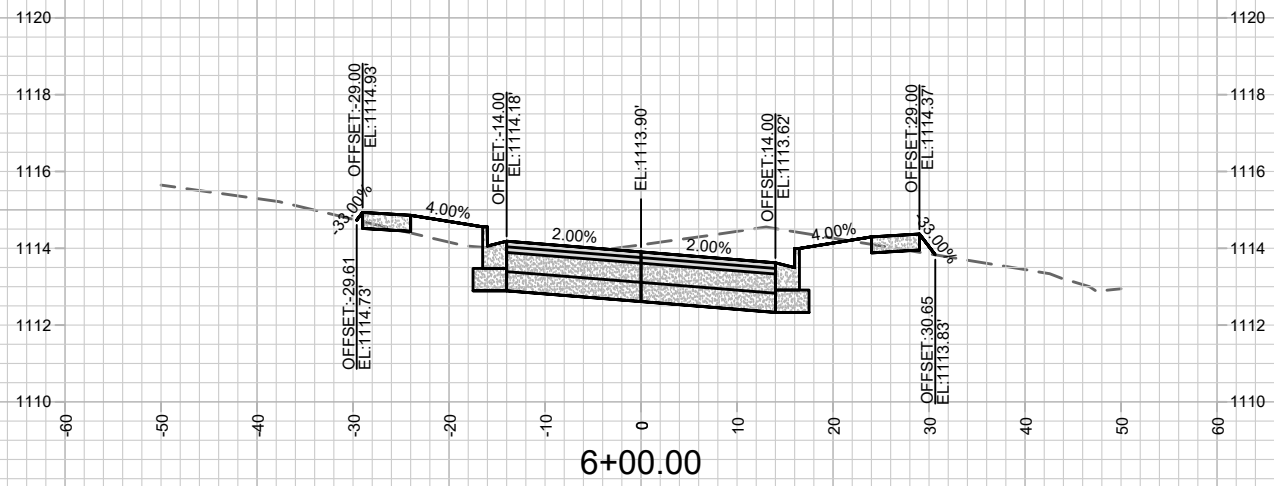
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PARAGON PLACE FIRST ADDITION: PHASE 1
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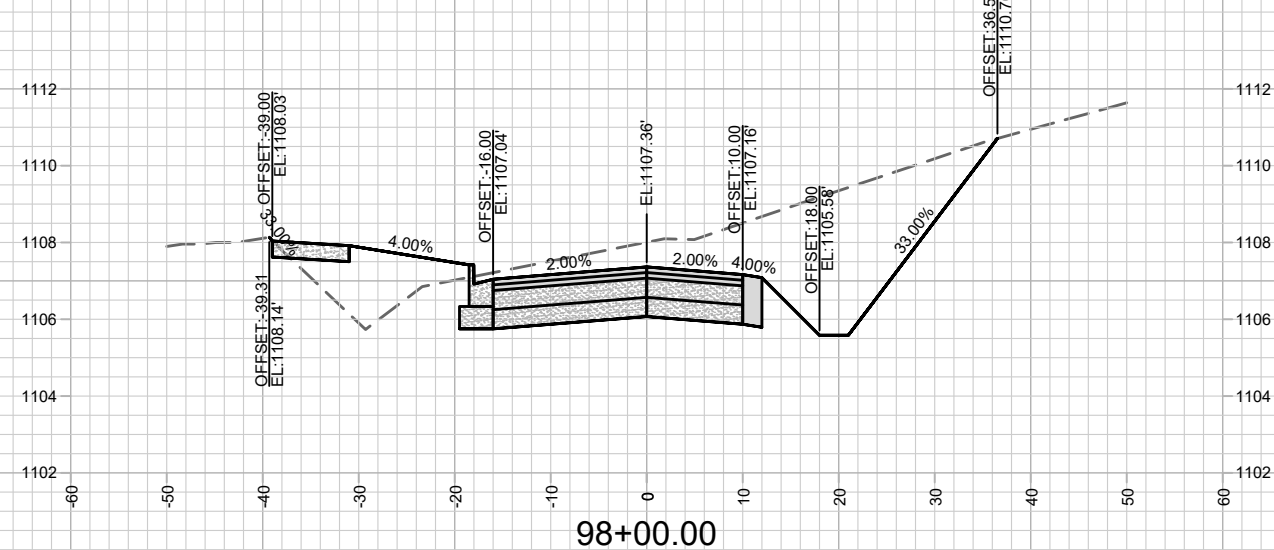
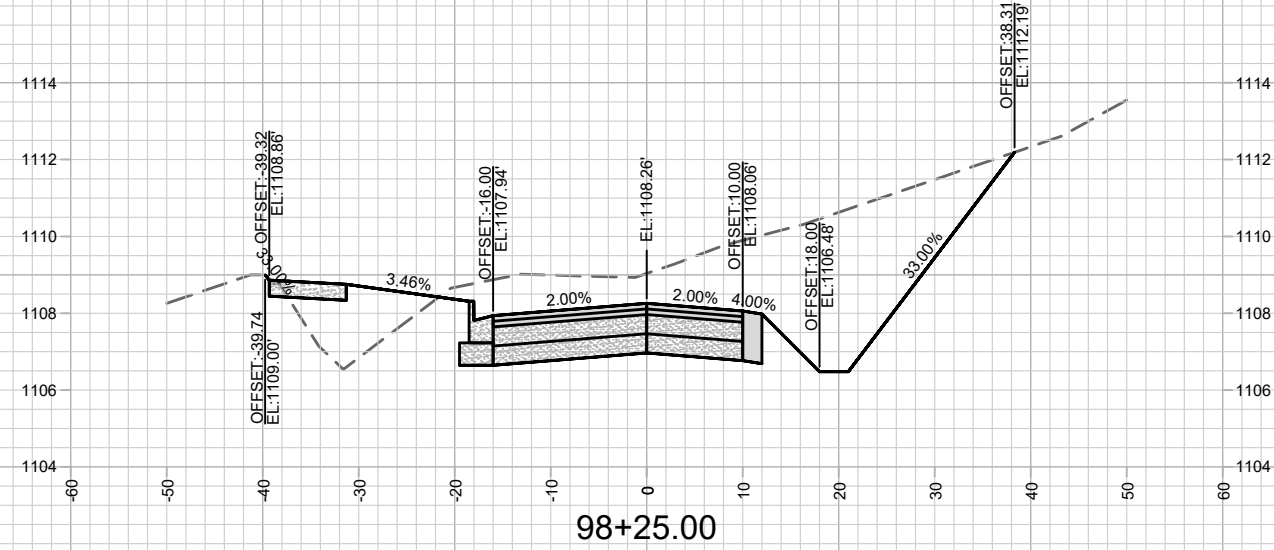
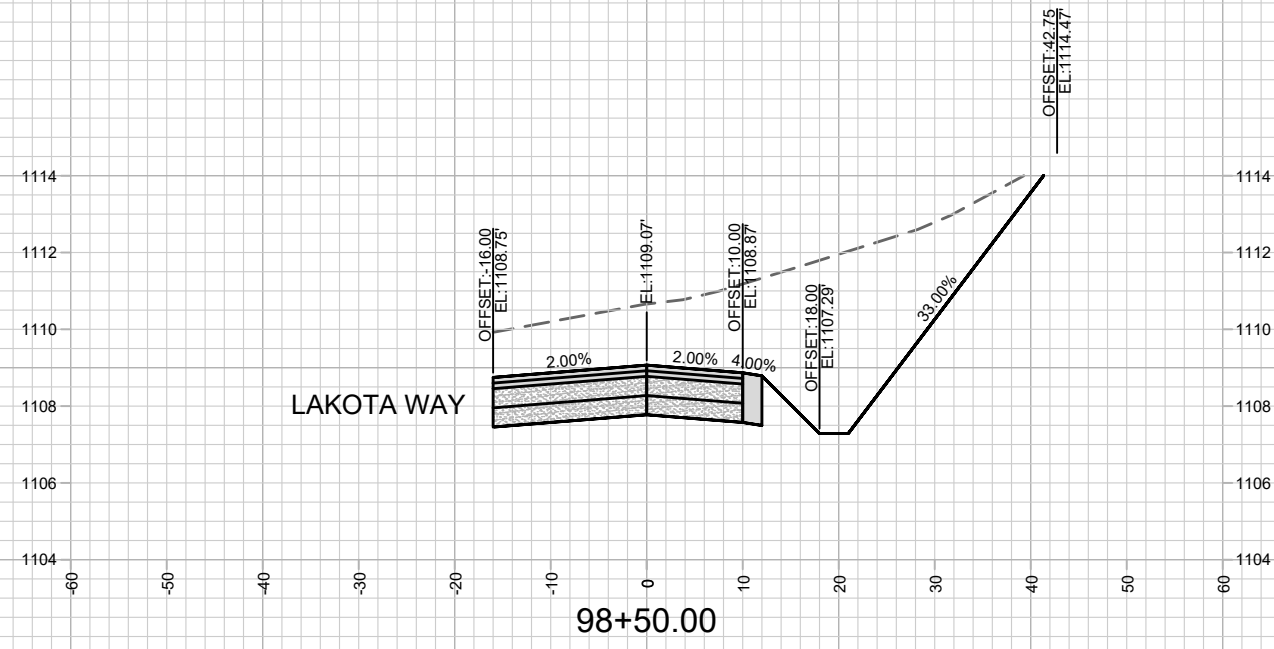
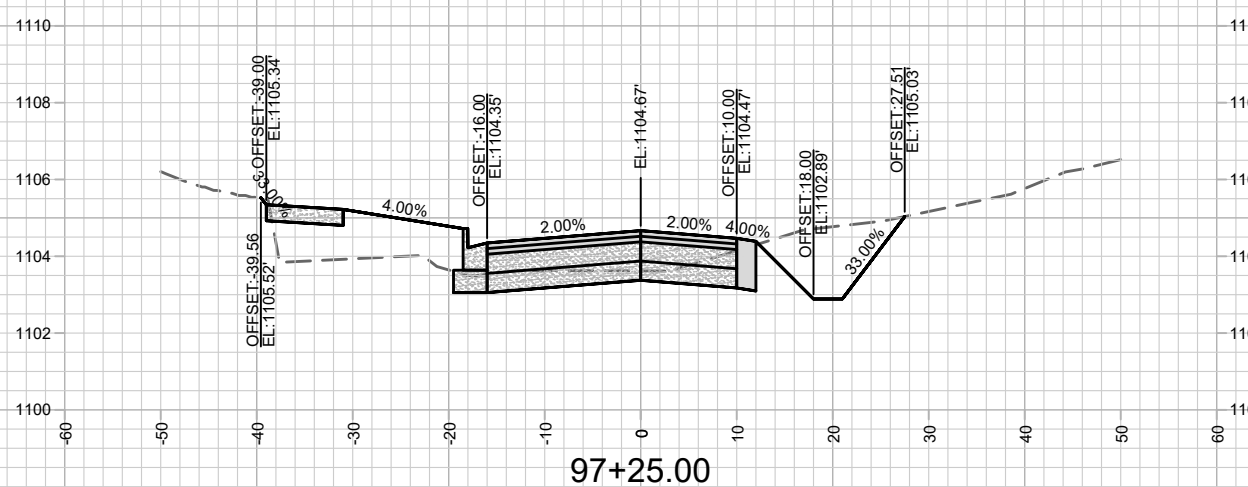
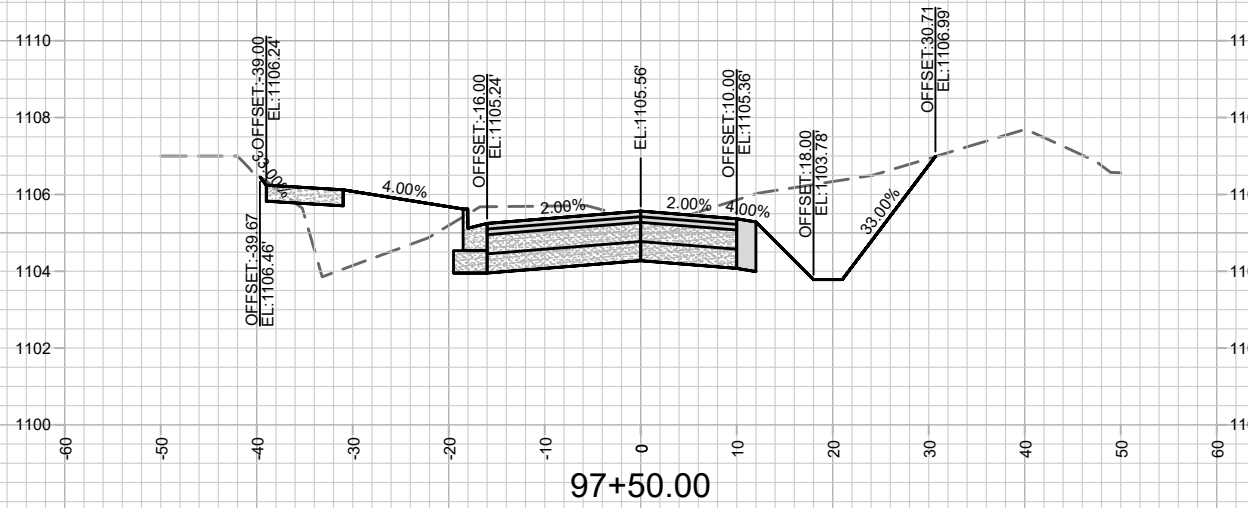
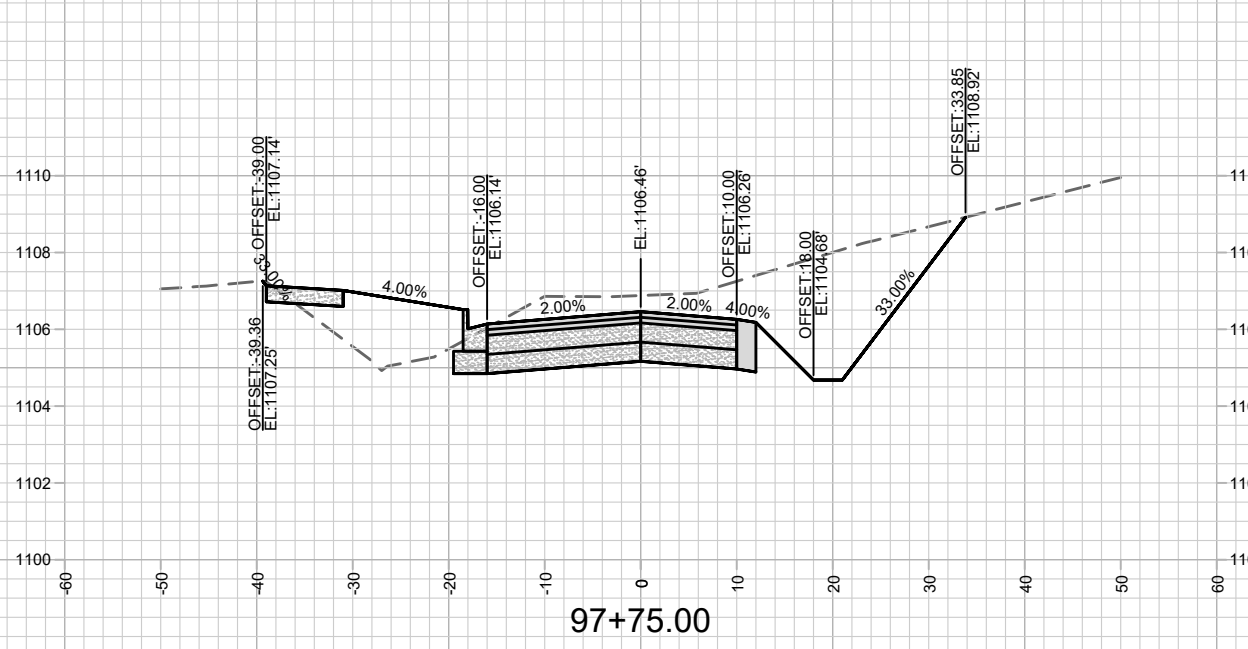


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CROSS SECTIONS - LAKOTA WAY
PARAGON PLACE FIRST ADDITION: PHASE 1
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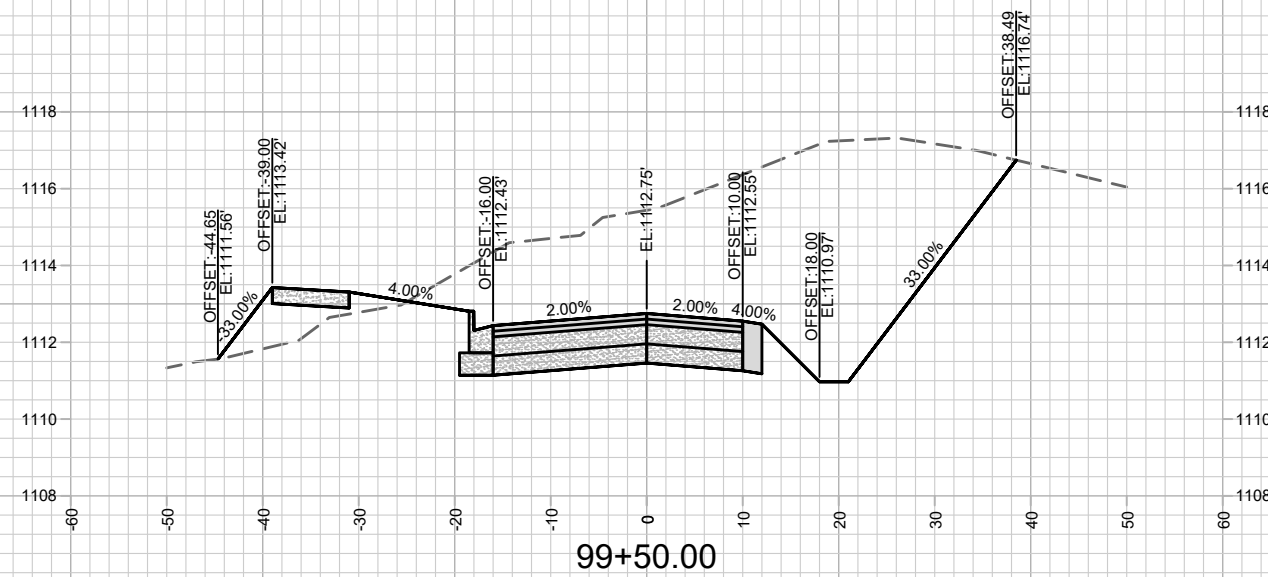
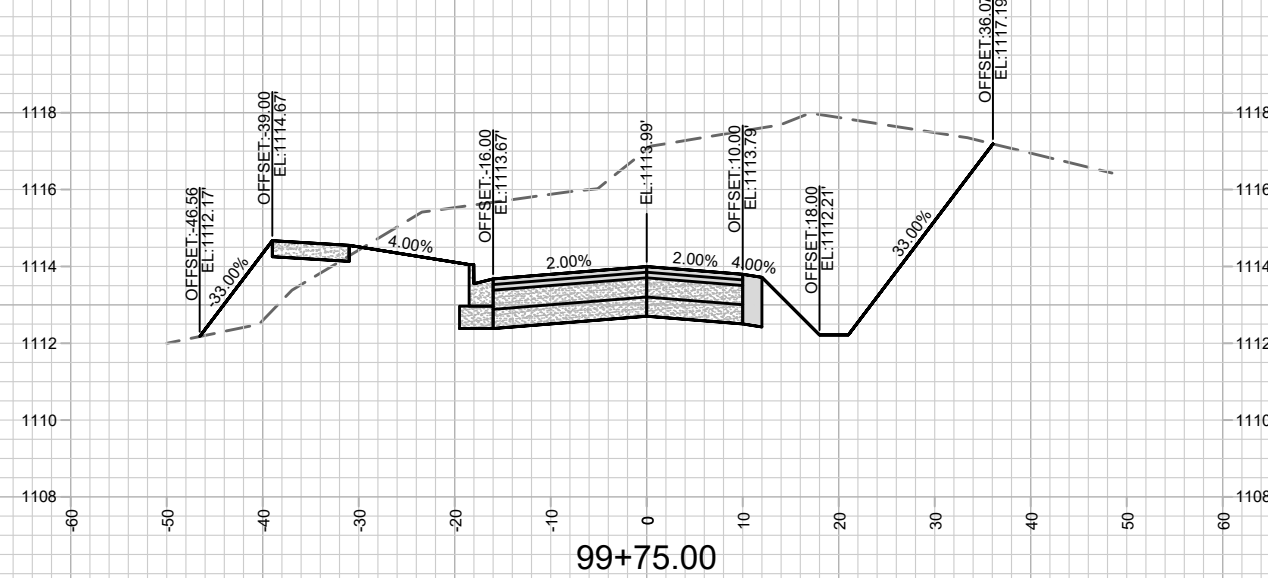
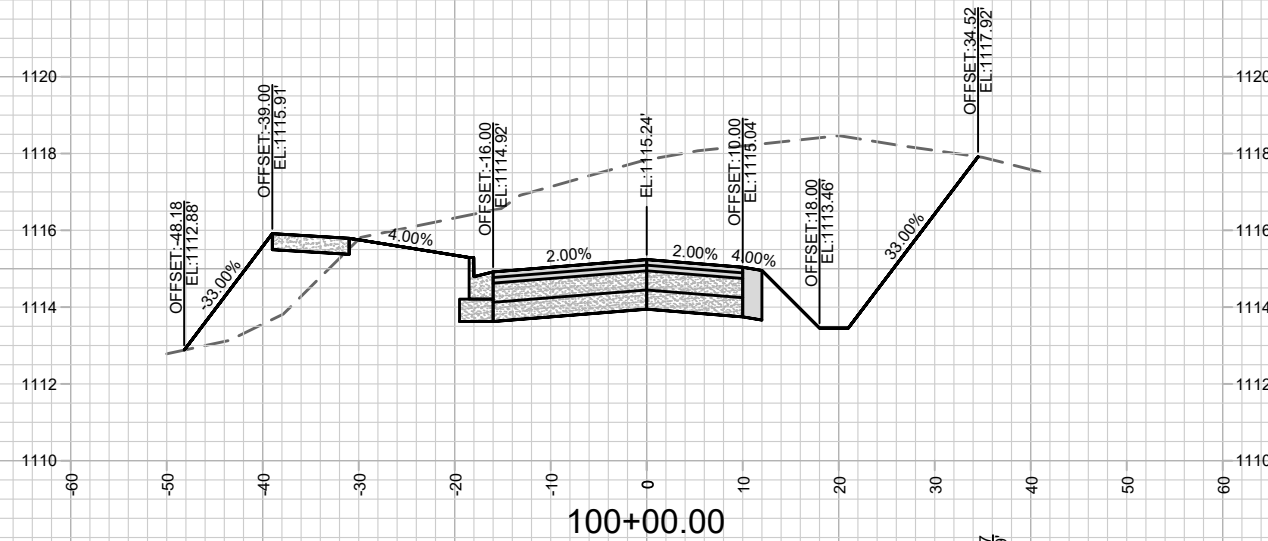
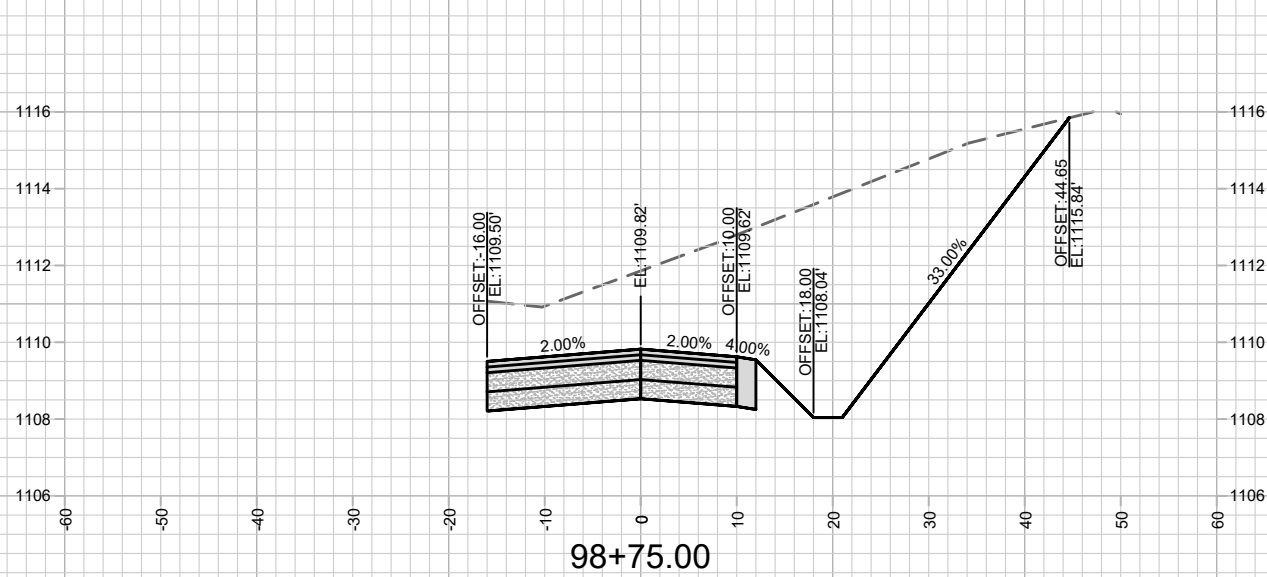
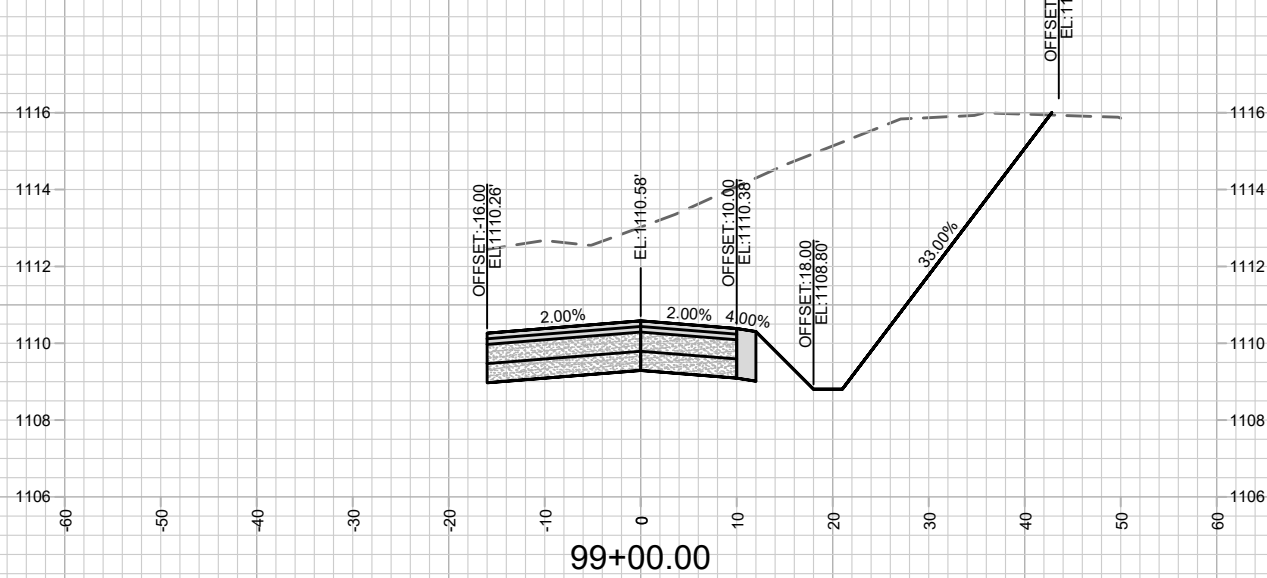
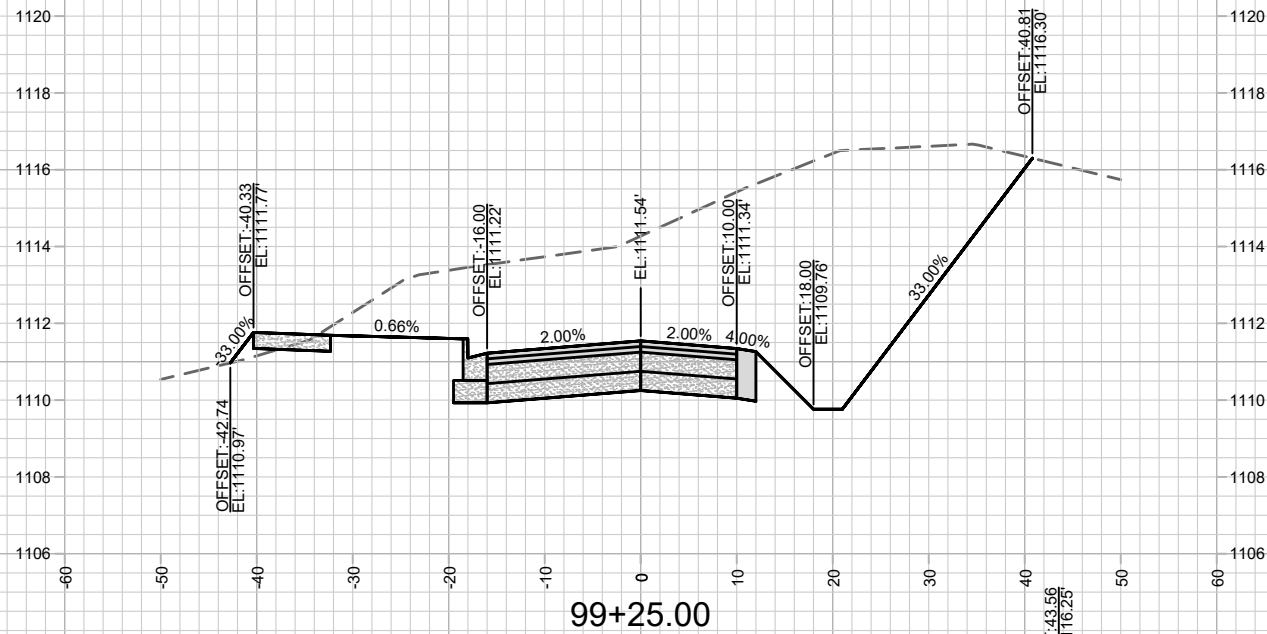
CROSS SECTIONS - WILRICH STREET
PARAGON PLACE FIRST ADDITION: PHASE 1
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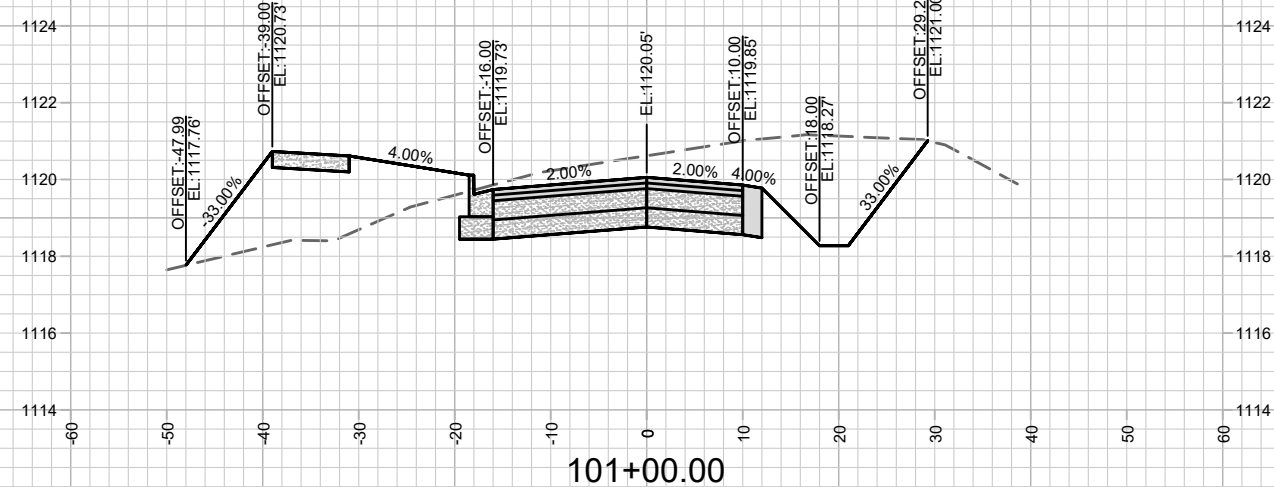
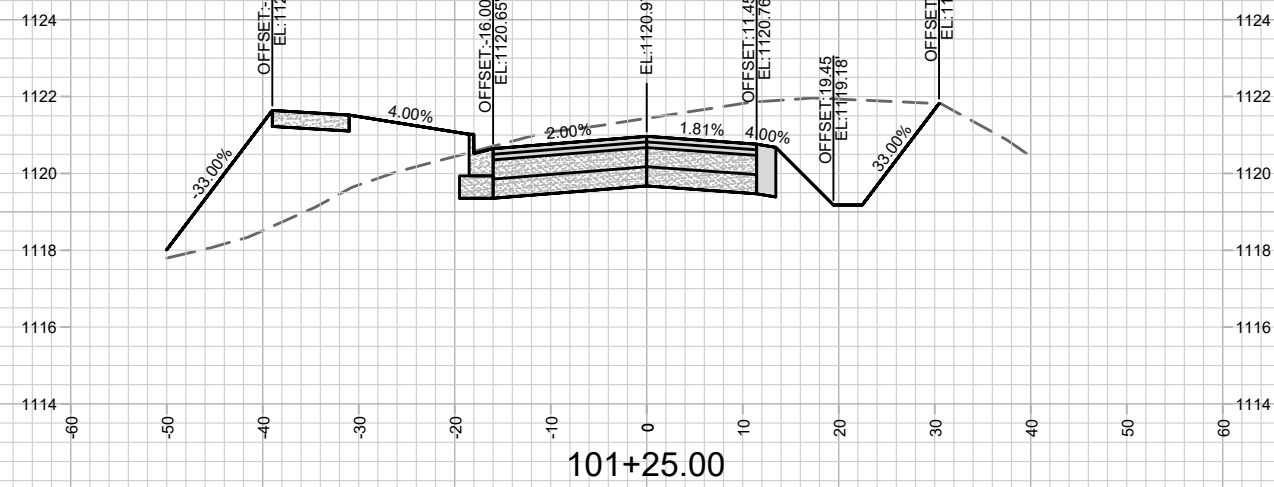
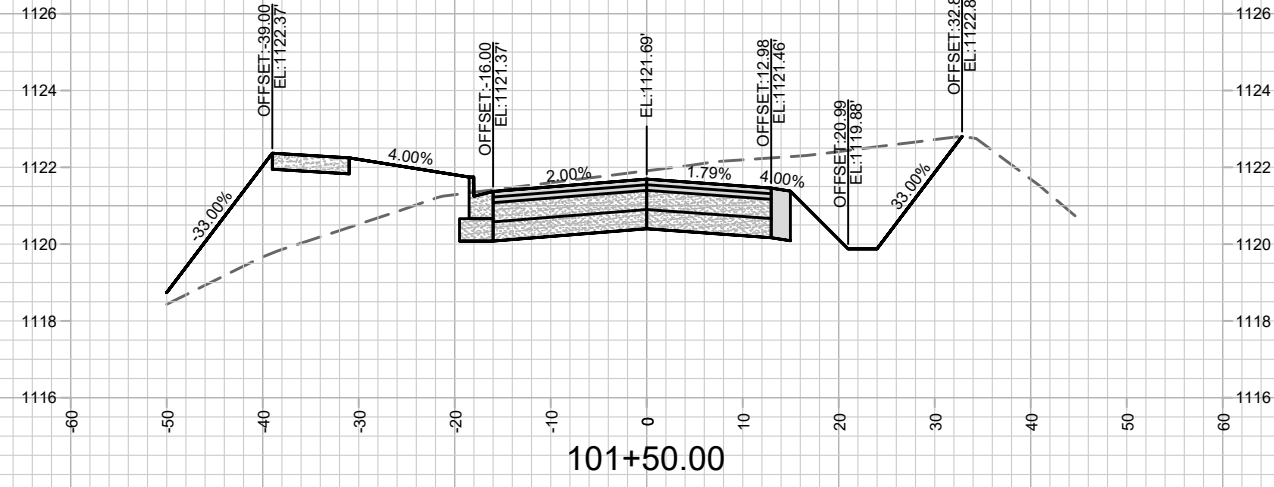
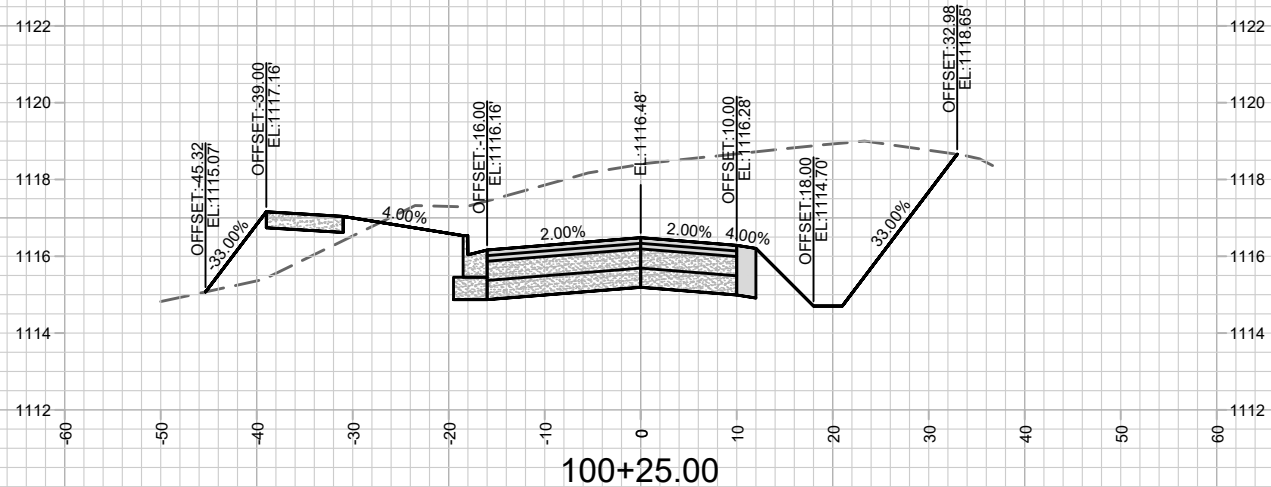
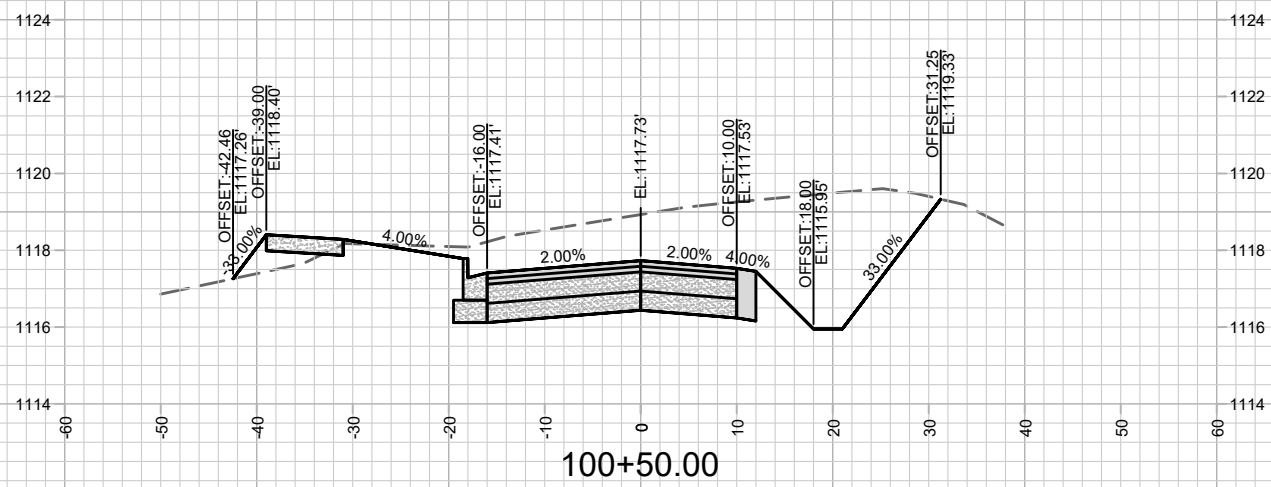
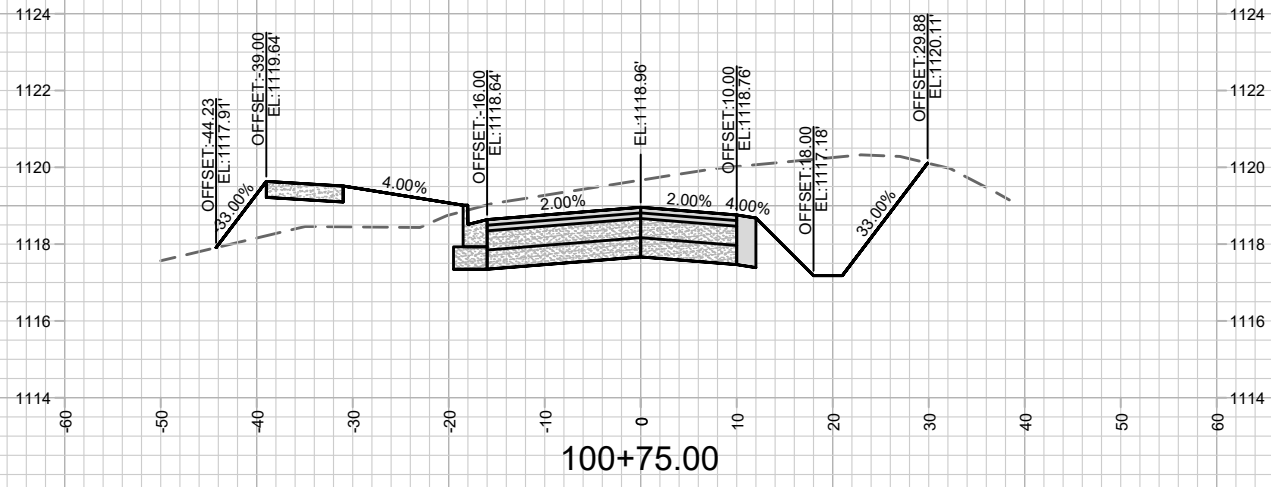
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CROSS SECTIONS - WILRICH STREET
PARAGON PLACE FIRST ADDITION: PHASE 1
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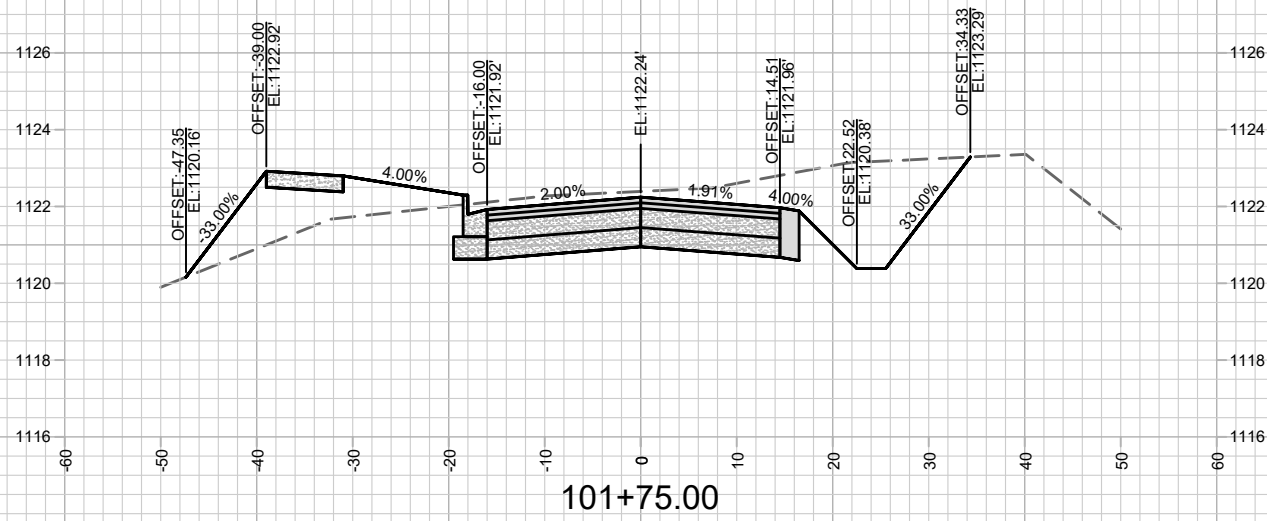
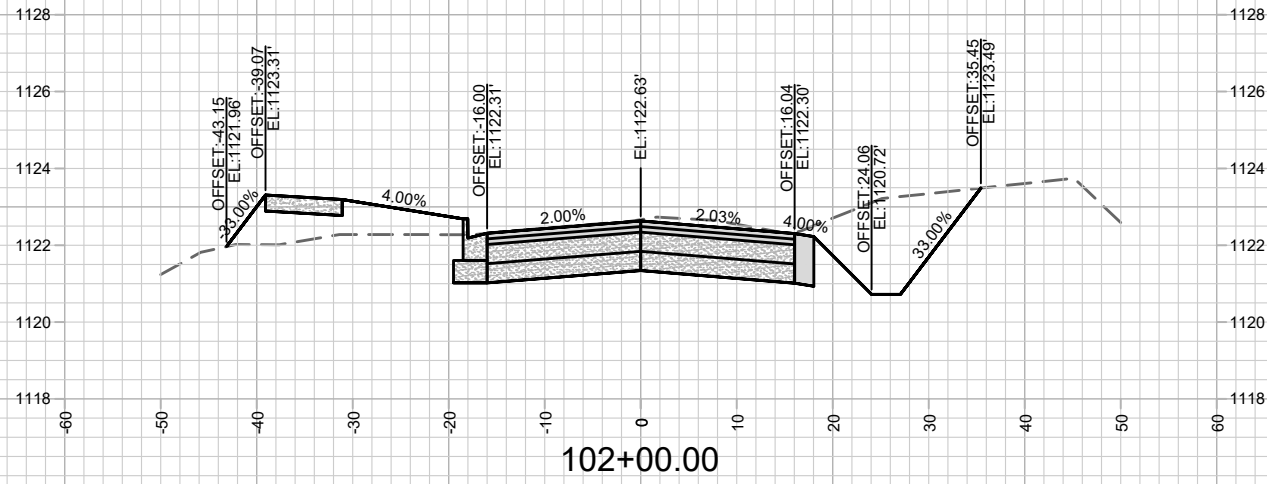
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PARAGON PLACE FIRST ADDITION: PHASE 1

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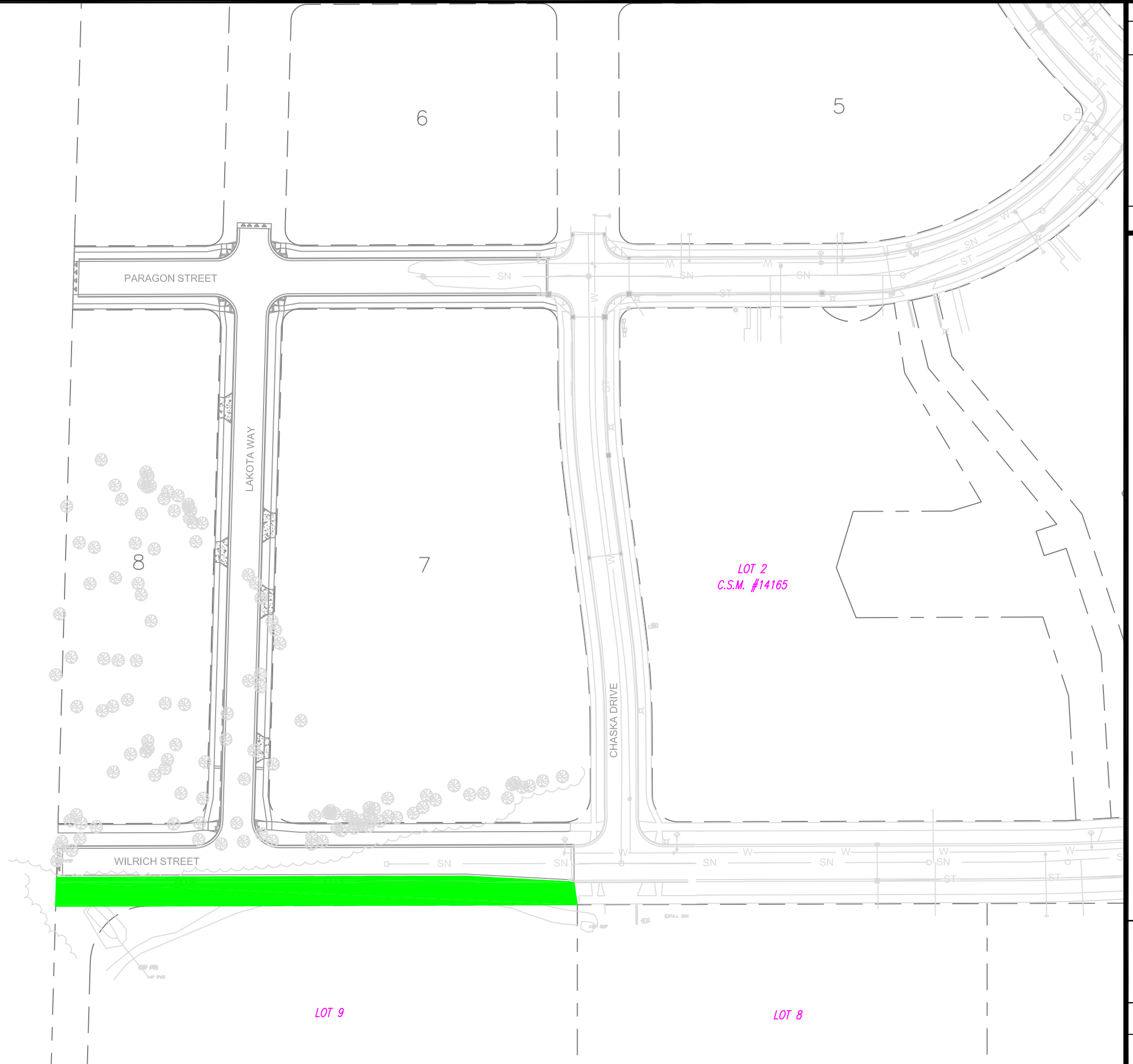
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			X-12

MAINTENANCE LEGEND:

 = TERRACE REQUIRE MOWING BY CITY.

UNPLATED LANDS



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17447		05/20/2021 7:35 AM	

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