Madison, Wisconsin

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

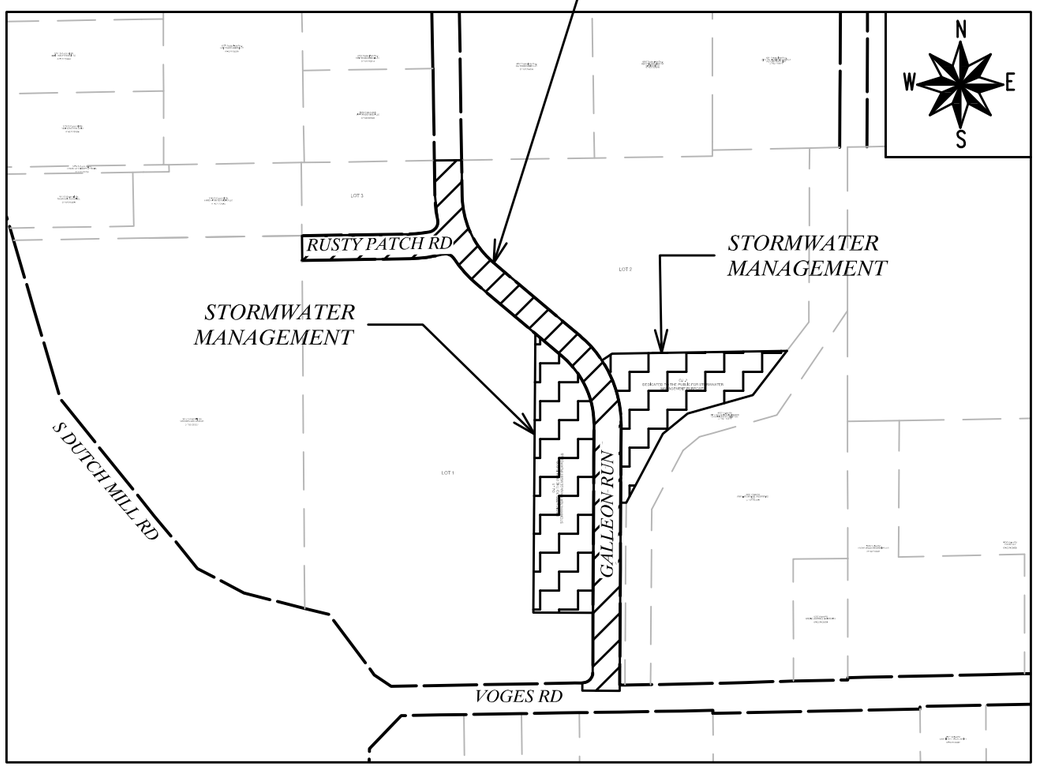
4800 VOGES ROAD

CITY PROJECT NO. 12582

CONTRACT NO. 9025

INDEX OF SHEETS

PROJECT LOCATION



PUBLIC IMPROVEMENT PROJECT APPROVED

MARCH 30, 2021

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

/s/ Greg Fries — Jan 13, 2022

City Engineer — Date

STORMWATER MANAGEMENT DESIGNED BY:

SEE INDIVIDUAL SHEETS

STREET DESIGNED BY:

WISCONSIN — FADI B EL MUSA GONZALEZ E-47872 MADISON WI — PROFESSIONAL ENGINEER

Jan 13, 2022

GEOMETRY DESIGNED BY:

WISCONSIN — SEAN D MALLOY E-48326 MADISON WI — PROFESSIONAL ENGINEER

Jan 13, 2022

SANITARY SEWER DESIGNED BY:

WISCONSIN — MARK D. MODER E-33979 MADISON WI — PROFESSIONAL ENGINEER

Jan 13, 2022

WATER DESIGNED BY:

WISCONSIN — KELLY B MIESS E-41821 MADISON WI — PROFESSIONAL ENGINEER

Jan 13, 2022

STORM SEWER DESIGNED BY:

WISCONSIN — JANET SCHMIDT E-34681 MADISON WI — PROFESSIONAL ENGINEER

Jan 13, 2022

PLOT SCALE: 1:1000_XREF

PLOT NAME: ----

REV. DATE: 12/14/2021 6:00 PM

ORIGINATOR: CITY_OF_MADISON

FILE NAME: M:\DESIGN\Projects\12582\CAD\Streets\12582EN-TitleSheet.dwg

DATE: 12/14/2021 6:01 PM

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.

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

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.

CONTACT PROJECT ENGINEER AND STREET DESIGNER FADI EL MUSA GONZALEZ AT FELMUSAGONZALEZ@CITYOFMADISON.COM FOR CAD AND ALIGNMENT DATA PRIOR TO STAKING.

CONVENTIONAL SIGNS
FIELD VERIFY ALL UTILITY LOCATIONS

GAS	G
STORM SEWER	ST
SANITARY SEWER	SN
WATER	W
BURIED ELECTRIC	E
OVERHEAD ELECTRIC	OH
POWER POLE	
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	CAUTION

ALL PAVEMENT IN THE GALLEON RUN AND RUSTY PATCH ROAD RIGHTS-OF-WAY SHALL BE TYPE C 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 BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. 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.

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.

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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12582

MADISON, WI

CONTRACT NO: 9025

STANDARD NOTES

4800 VOGES ROAD

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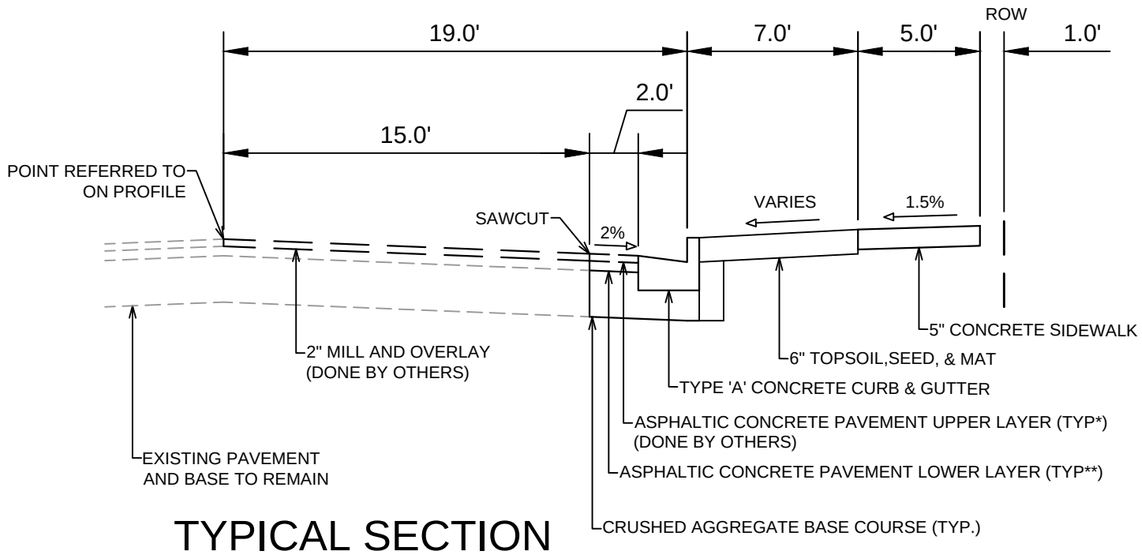
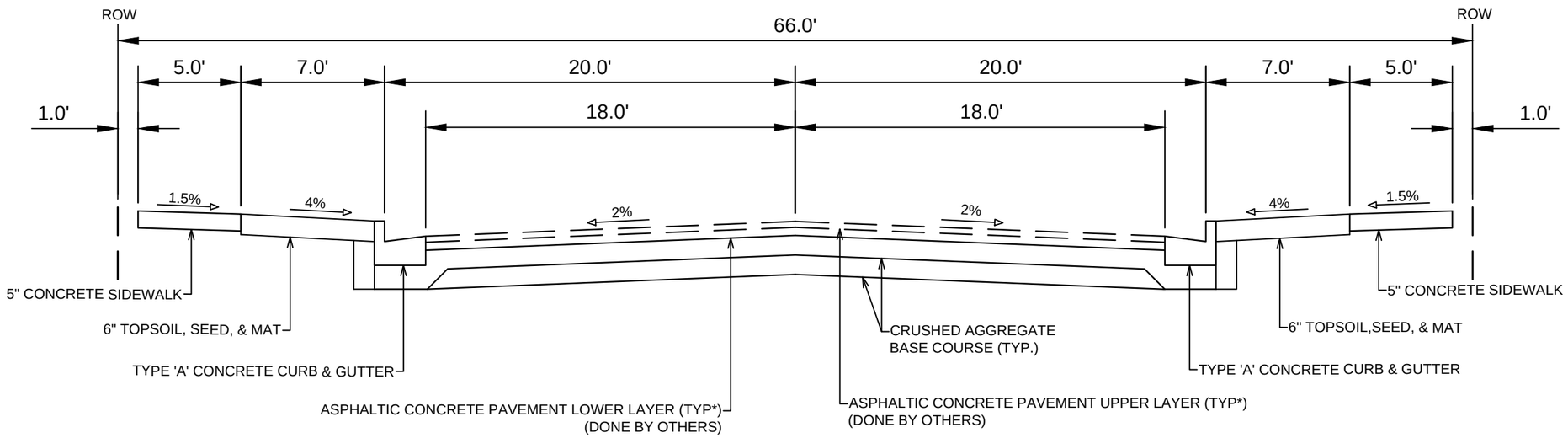


TYPICAL SECTION

GALLEON RUN

STA 99+75 TO STA 101+00



NOTES:

* GALLEON RUN SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN. THE CITY SHALL BE RESPONSIBLE FOR ALL BINDER (EXCEPT FROM STA 99+75 TO 101+00) AND ALL SURFACE PAVING UNDER THE CITY'S RESURFACING CONTRACT. THE DEVELOPER SHALL COORDINATE PAVING WORK WITH CITY ENGINEERING AND SHALL PROVIDE THE RESURFACING PROJECT CONTRACTOR A TWO WEEK NOTICE WHEN FINISH GRADING WORK IS COMPLETED AND THE STREET IS SET FOR PAVING.

**TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN. THE DEVELOPER SHALL BE RESPONSIBLE FOR BINDER PAVING.

TYPICAL SECTION

GALLEON RUN

STA 101+00 TO STA 115+15

CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGGREGATE BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S	1.75"
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S	2.00"
C	6"	6"	3 MT 58-28 S/H	3.50"	4 MT 58-28 S/H	2.00"

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MADISON, WI

9025

CONTRACT NO:

TYPICAL SECTION

4800 VOGES ROAD

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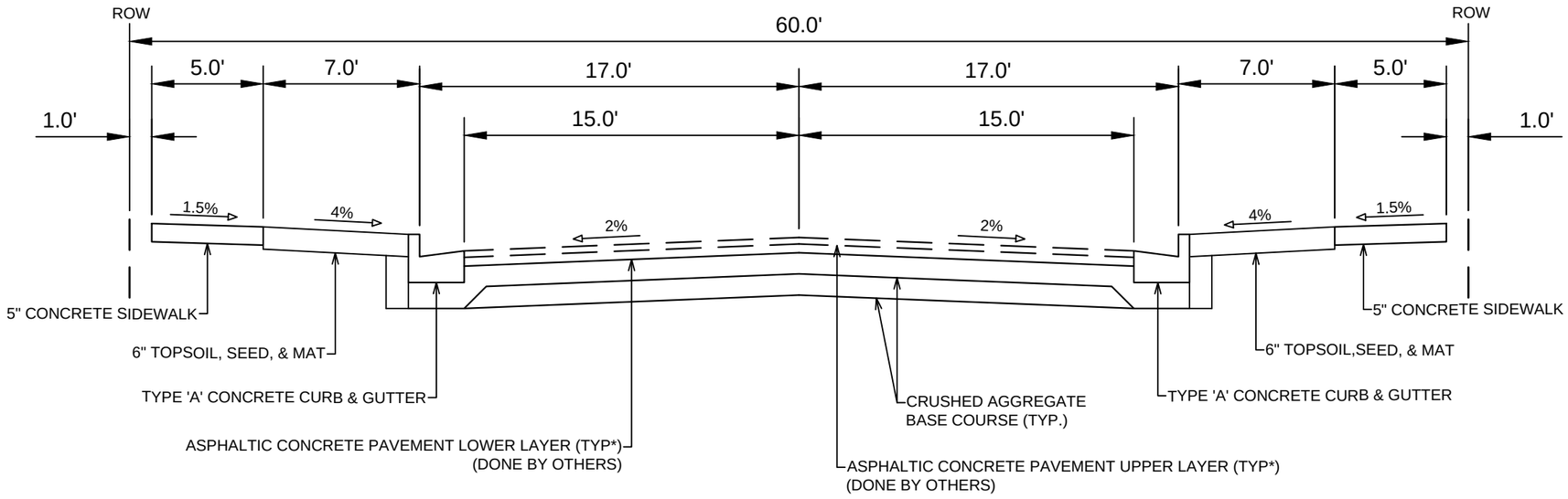

TYPICAL SECTION

RUSTY PATCH ROAD

NOTES:

* RUSTY PATCH ROAD SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN. THE CITY SHALL BE RESPONSIBLE FOR ALL BINDER AND SURFACE PAVING UNDER THE CITY'S RESURFACING CONTRACT. THE DEVELOPER SHALL COORDINATE PAVING WORK WITH CITY ENGINEERING AND SHALL PROVIDE THE RESURFACING PROJECT CONTRACTOR A TWO WEEK NOTICE WHEN FINISH GRADING WORK IS COMPLETED AND THE STREET IS SET FOR PAVING.

CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGGREGATE BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S	1.75"
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S	2.00"
C	6"	6"	3 MT 58-28 S/H	3.50"	4 MT 58-28 S/H	2.00"

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MADISON, WI

CONTRACT NO: 9025

TYPICAL SECTION

4800 VOGES ROAD

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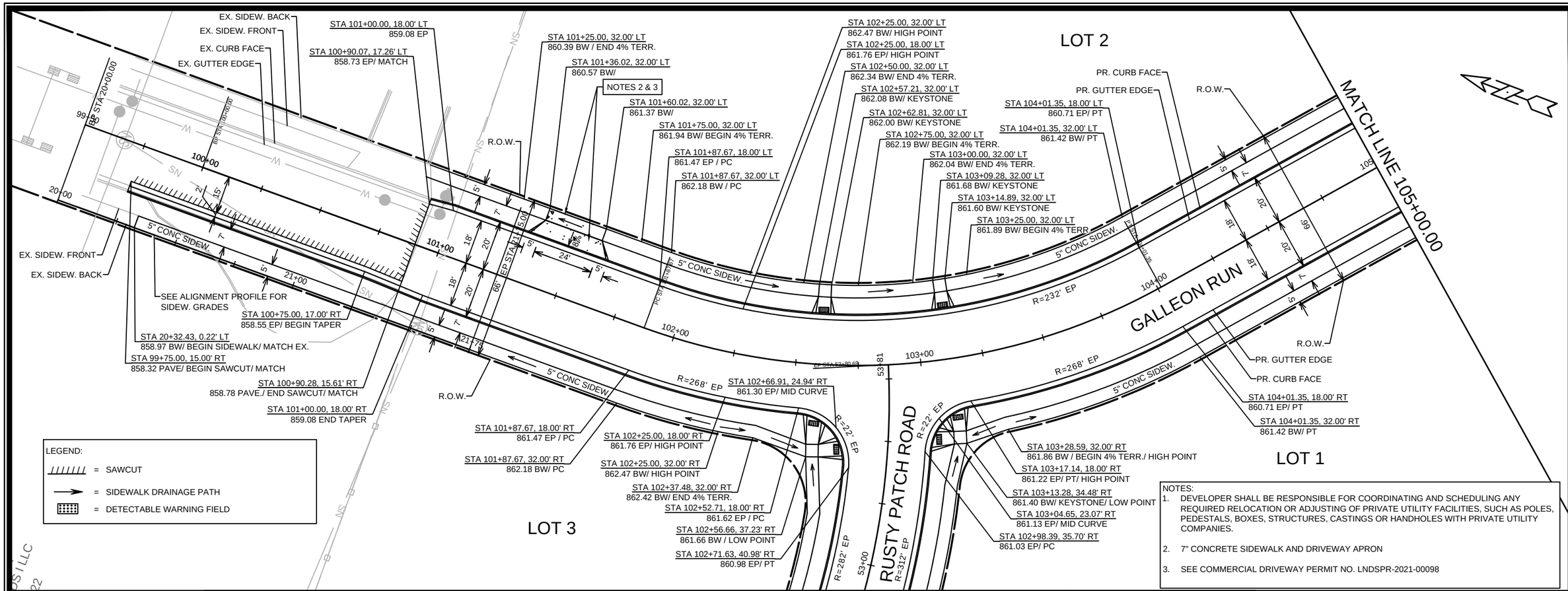

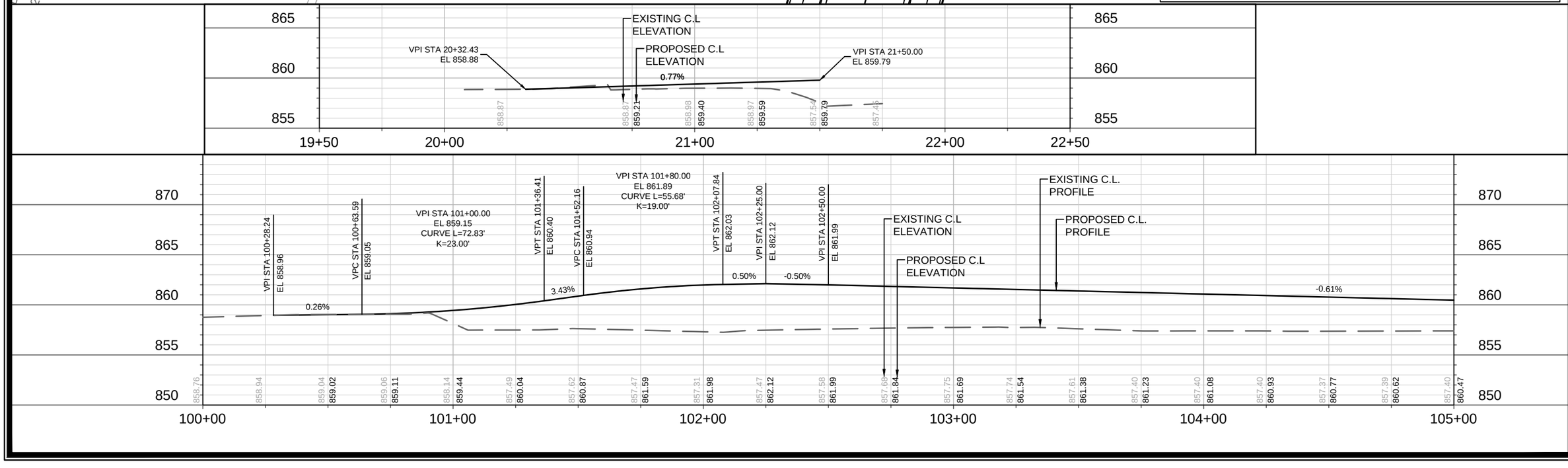

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MADISON, WI
9025
CONTRACT NO:

PLAN & PROFILE - GALLEON RUN
4800 VOGES ROAD

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CITY OF MADISON WISCONSIN

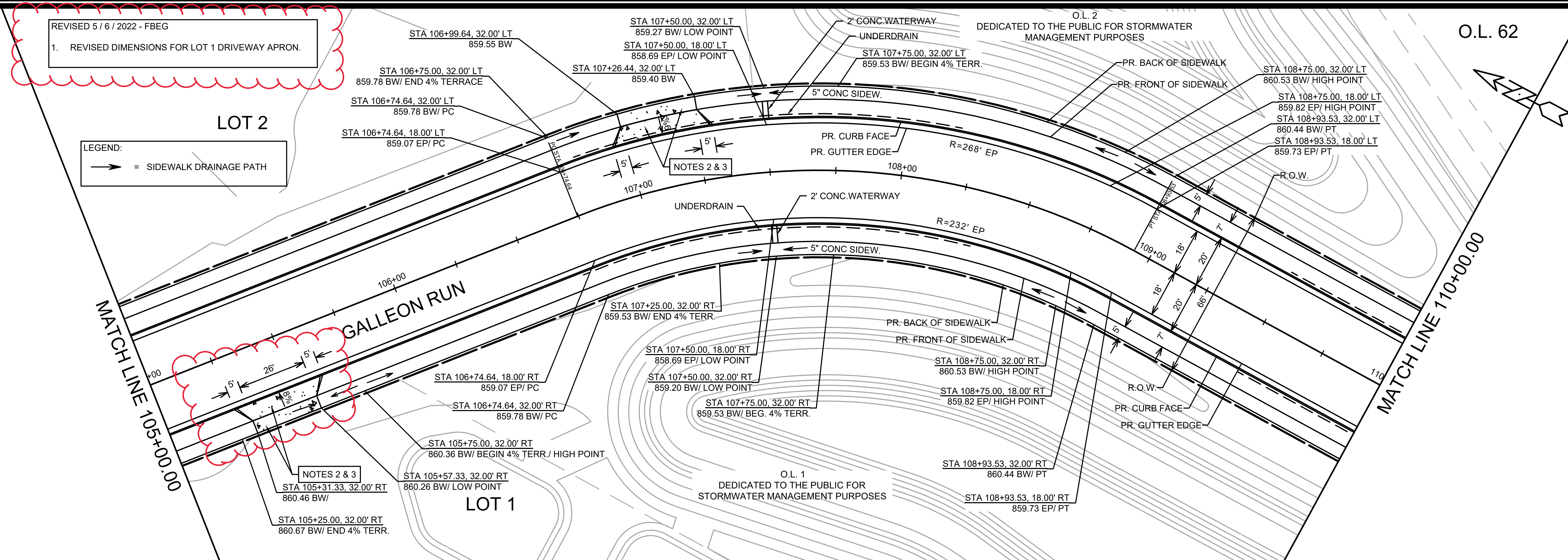
12582
P-1

REVISED 5 / 6 / 2022 - FBEG

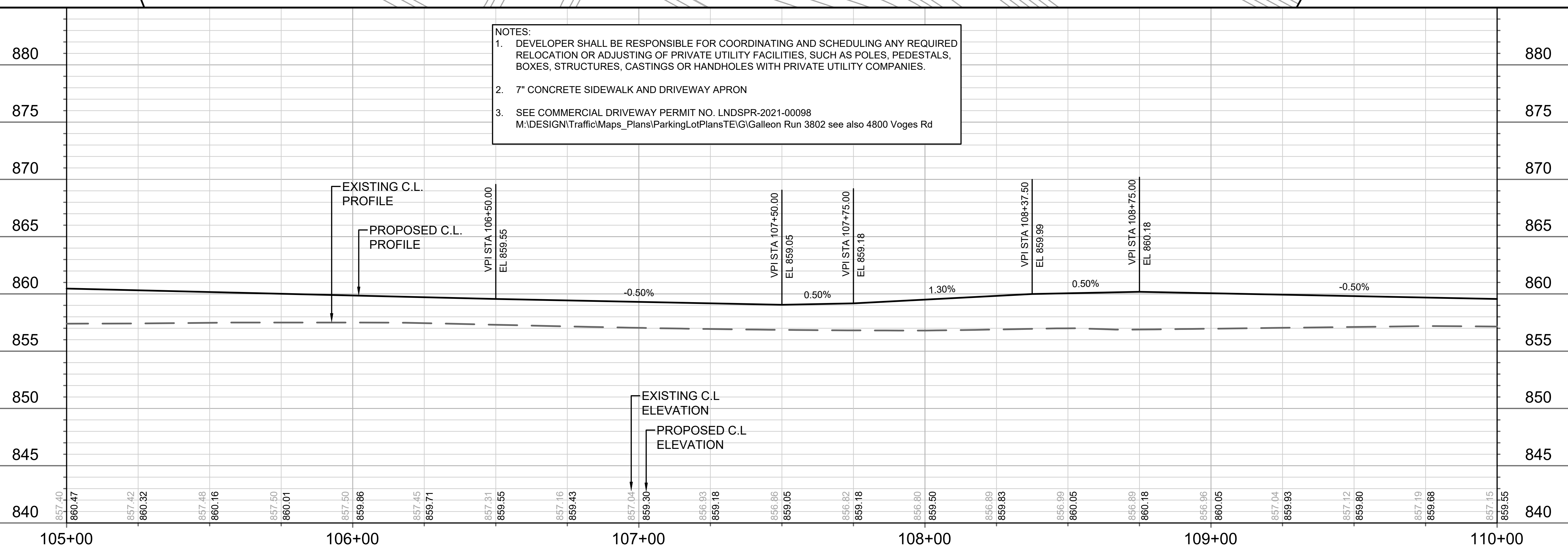
1. REVISED DIMENSIONS FOR LOT 1 DRIVEWAY APRON.

LEGEND:

→ = SIDEWALK DRAINAGE PATH



NOTES:
1. DEVELOPER SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING ANY REQUIRED RELOCATION OR ADJUSTING OF PRIVATE UTILITY FACILITIES, SUCH AS POLES, PEDESTALS, BOXES, STRUCTURES, CASTINGS OR HANDHOLES WITH PRIVATE UTILITY COMPANIES.
2. 7" CONCRETE SIDEWALK AND DRIVEWAY APRON
3. SEE COMMERCIAL DRIVEWAY PERMIT NO. LNDSPR-2021-00098
M:\DESIGN\Traffic\Maps_Plans\ParkingLotPlansTE\G\Galleon Run 3802 see also 4800 Voges Rd



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MADISON, WI

CONTRACT NO: 9025

PLAN & PROFILE - GALLEON RUN

4800 VOGES ROAD

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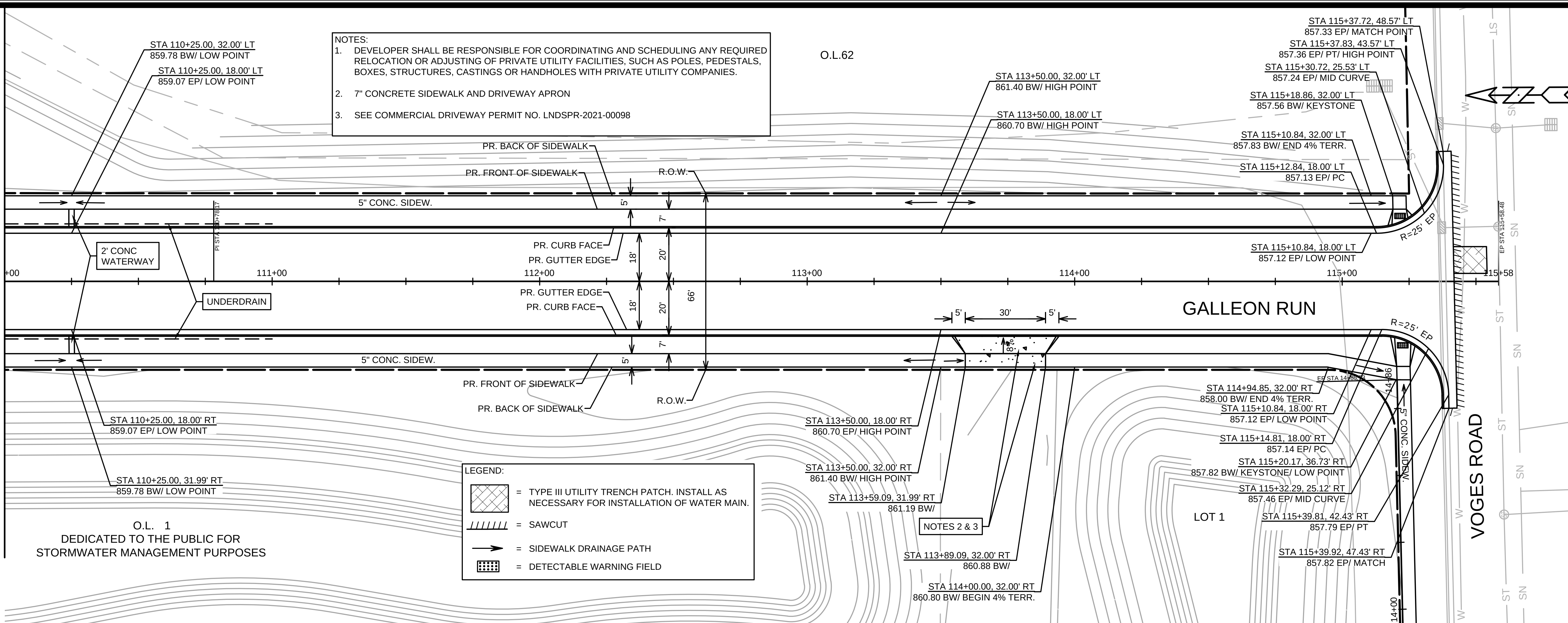
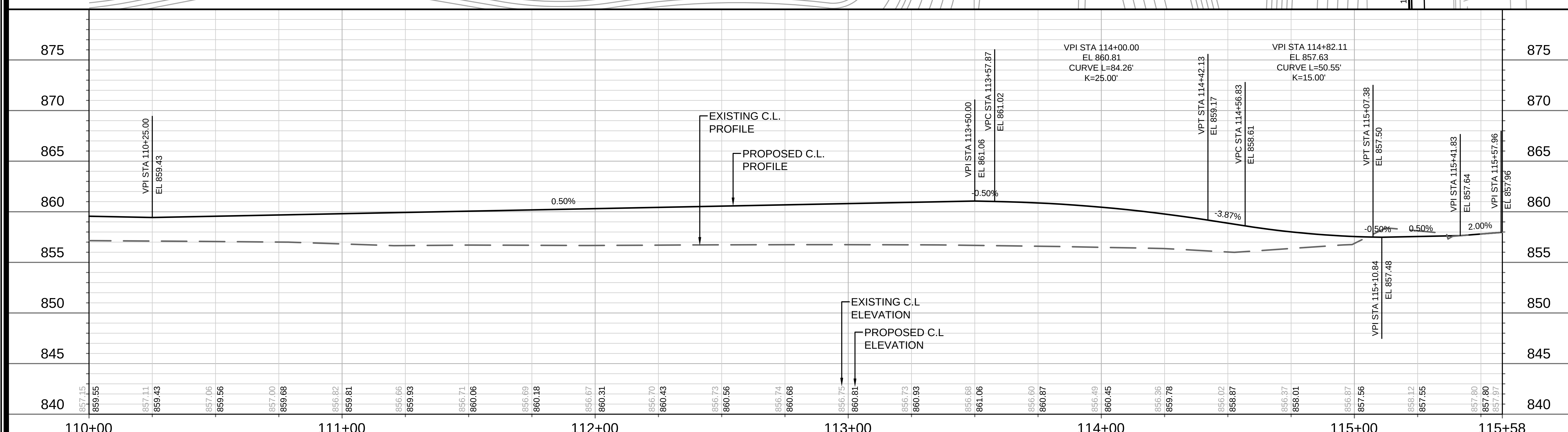
P-2

NOTES:
1. DEVELOPER SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING ANY REQUIRED RELOCATION OR ADJUSTING OF PRIVATE UTILITY FACILITIES, SUCH AS POLES, PEDESTALS, BOXES, STRUCTURES, CASTINGS OR HANDHOLES WITH PRIVATE UTILITY COMPANIES.
2. 7" CONCRETE SIDEWALK AND DRIVEWAY APRON
3. SEE COMMERCIAL DRIVEWAY PERMIT NO. LNDSPR-2021-00098



LEGEND:
- ▨ = TYPE III UTILITY TRENCH PATCH. INSTALL AS NECESSARY FOR INSTALLATION OF WATER MAIN.
- /////// = SAWCUT
- → = SIDEWALK DRAINAGE PATH
- ⠿ = DETECTABLE WARNING FIELD



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12582
MADISON, WI
CONTRACT NO: 9025

PLAN & PROFILE - GALLEON RUN
4800 VOGES ROAD
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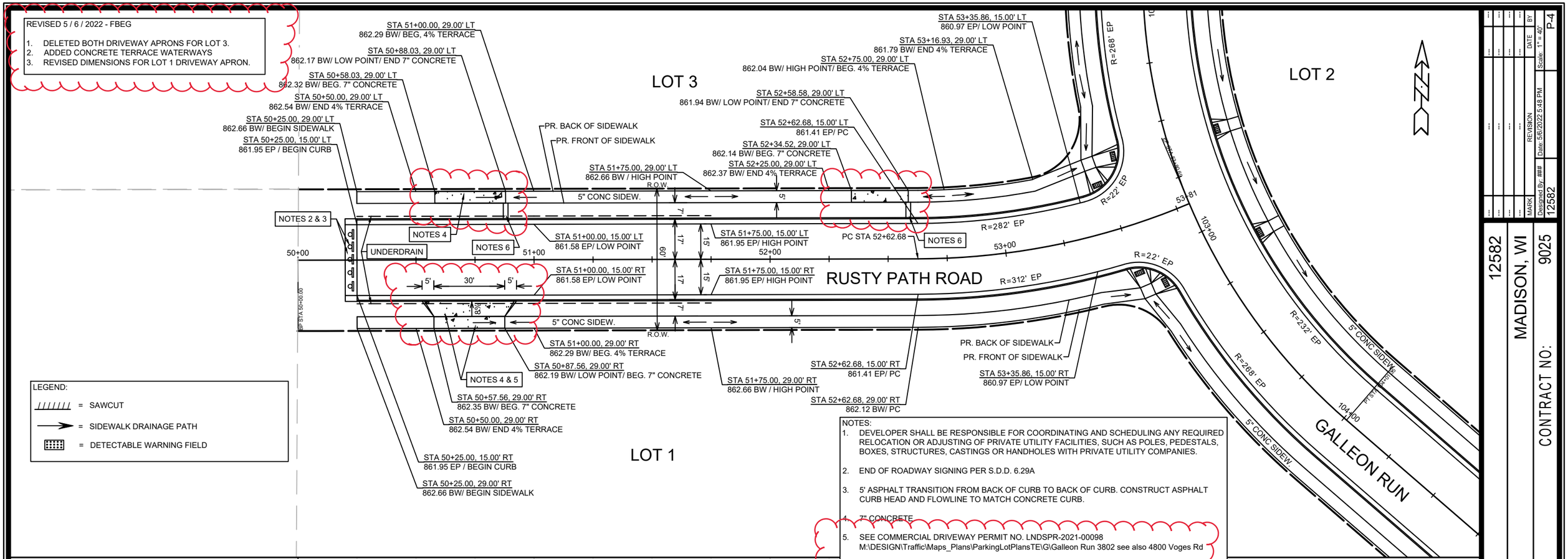
CITY OF MADISON WISCONSIN

12582
P-3

REVISED 5 / 6 / 2022 - FBEG

1. DELETED BOTH DRIVEWAY APRONS FOR LOT 3.
2. ADDED CONCRETE TERRACE WATERWAYS
3. REVISED DIMENSIONS FOR LOT 1 DRIVEWAY APRON.

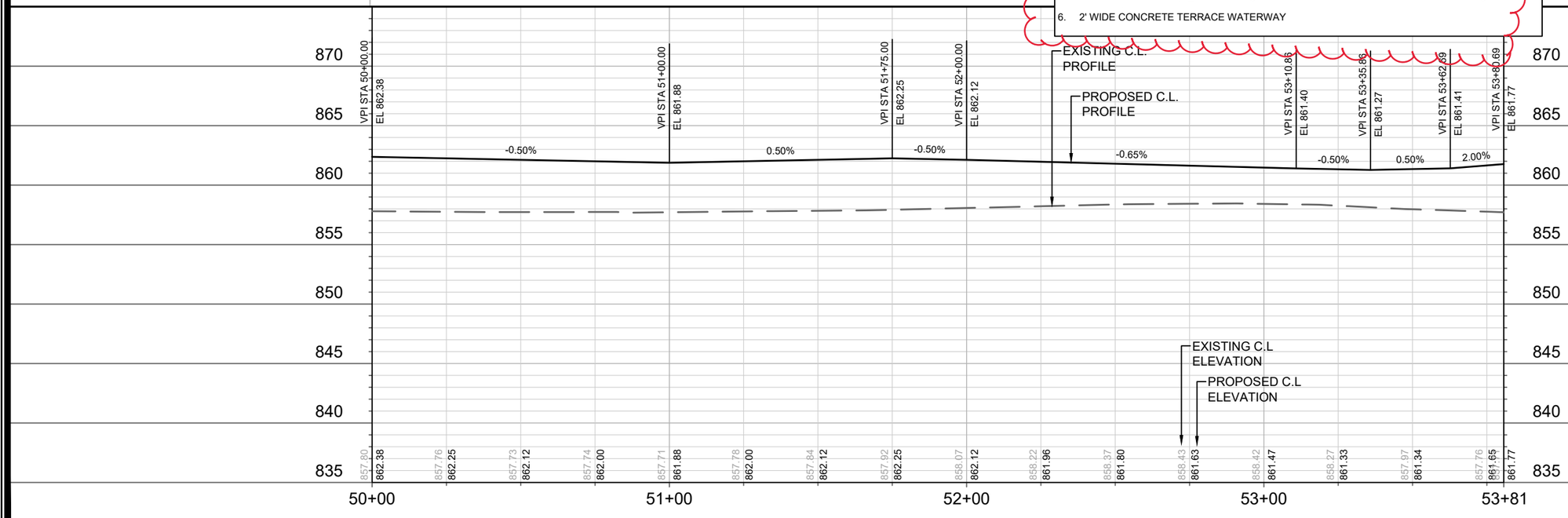


LEGEND:

- ////// = SAWCUT
- → = SIDEWALK DRAINAGE PATH
- = DETECTABLE WARNING FIELD

NOTES:

1. DEVELOPER SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING ANY REQUIRED RELOCATION OR ADJUSTING OF PRIVATE UTILITY FACILITIES, SUCH AS POLES, PEDESTALS, BOXES, STRUCTURES, CASTINGS OR HANDHOLES WITH PRIVATE UTILITY COMPANIES.
2. END OF ROADWAY SIGNING PER S.D.D. 6.29A
3. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.
4. 7" CONCRETE
5. SEE COMMERCIAL DRIVEWAY PERMIT NO. LNDSPR-2021-00098
   M:\DESIGN\Traffic\Maps_Plans\ParkingLotPlansTE\G\Galleon Run 3802 see also 4800 Voges Rd
6. 2' WIDE CONCRETE TERRACE WATERWAY



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MADISON, WI

9025

CONTRACT NO:

PLAN & PROFILE - RUSTY PATCH ROAD

4800 VOGES ROAD

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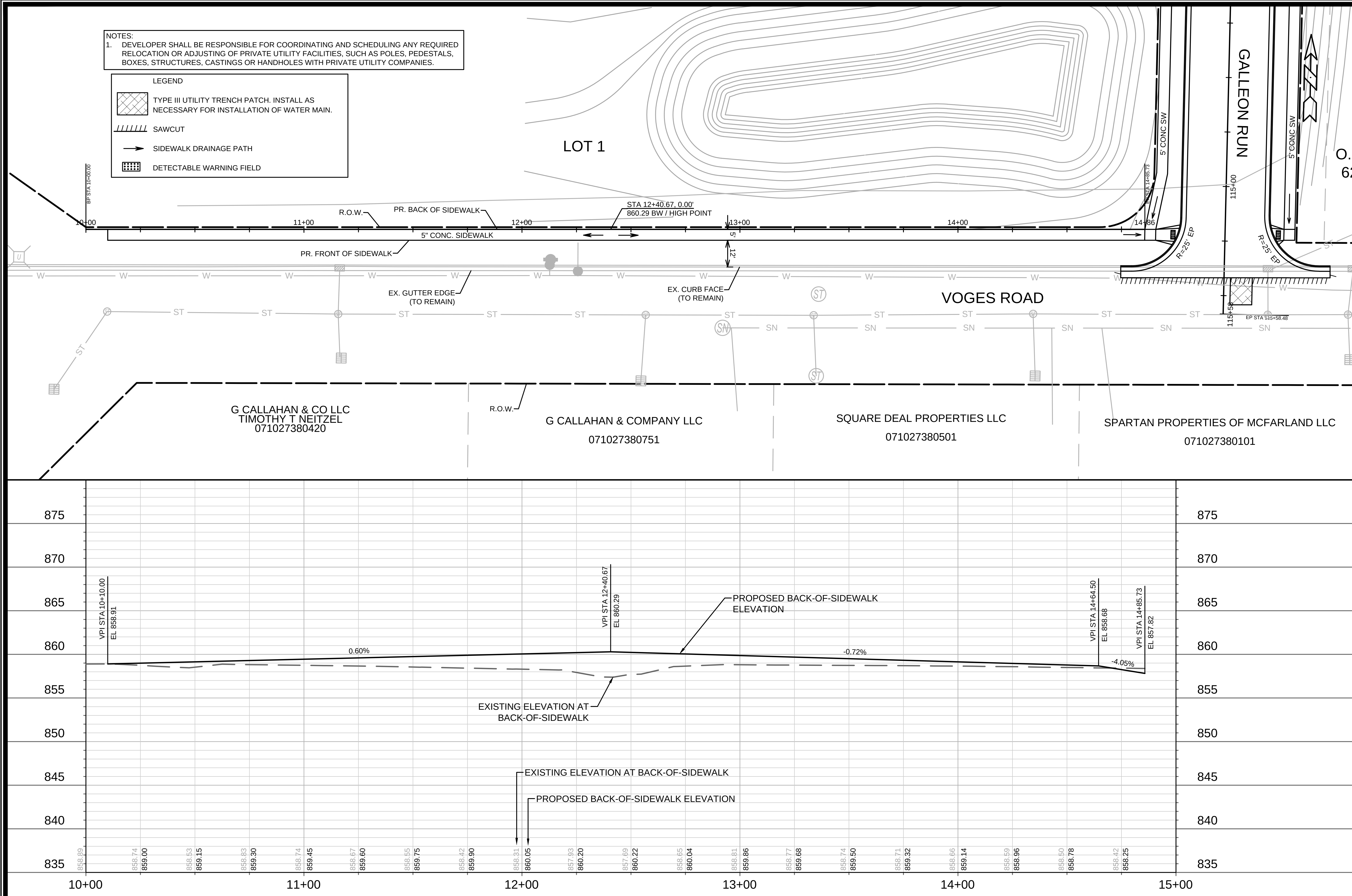

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MADISON, WI
CONTRACT NO: 9025

PLAN & PROFILE- VOGES RD SIDEWALK
4800 VOGES ROAD
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CITY OF MADISON WISCONSIN

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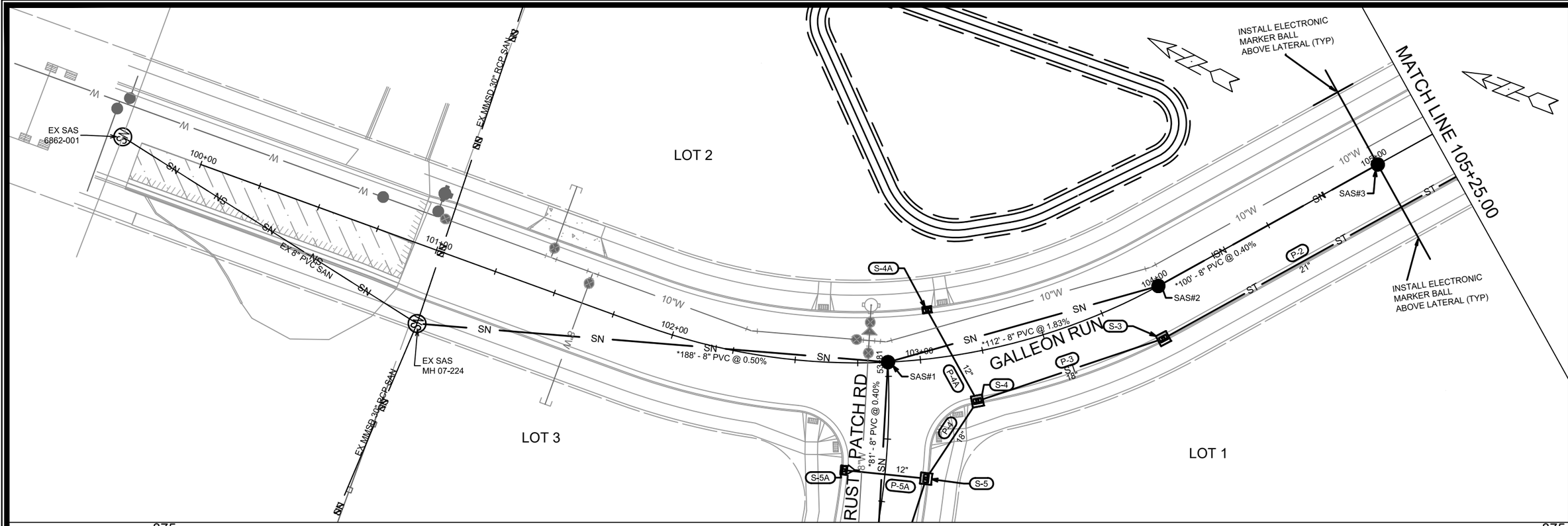

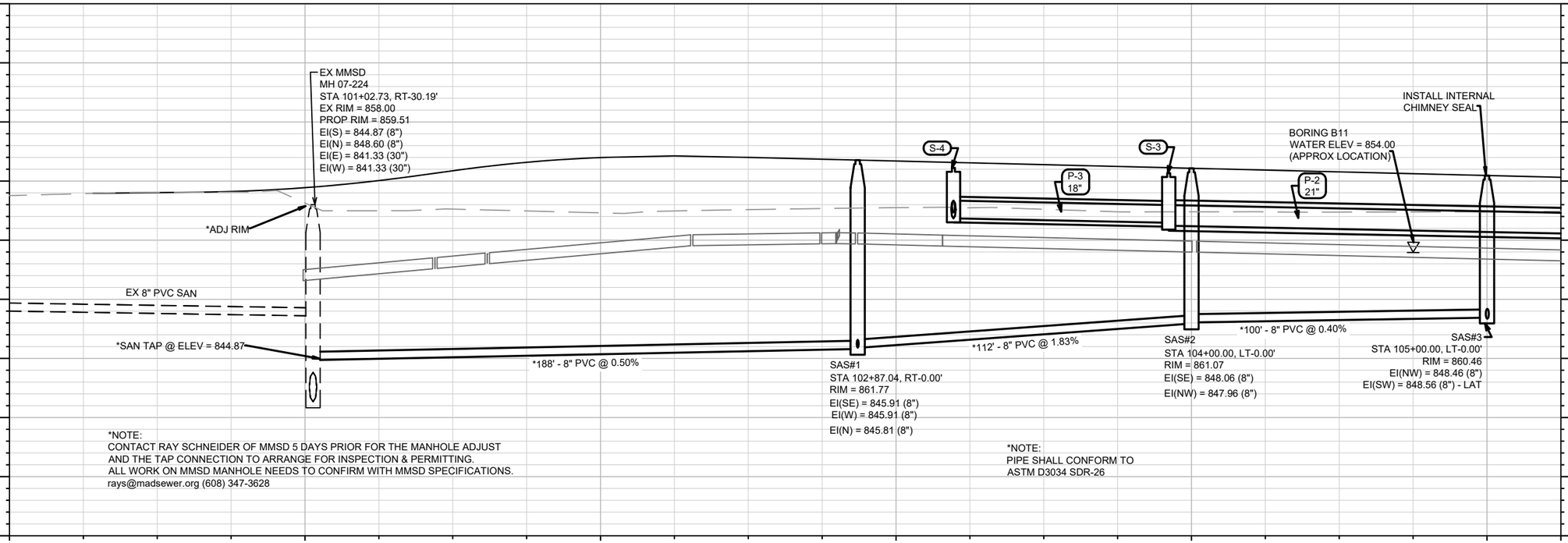

*NOTE:
CONTACT RAY SCHNEIDER OF MMSD 5 DAYS PRIOR FOR THE MANHOLE ADJUST
AND THE TAP CONNECTION TO ARRANGE FOR INSPECTION & PERMITTING.
ALL WORK ON MMSD MANHOLE NEEDS TO CONFIRM WITH MMSD SPECIFICATIONS.
rays@madsewer.org (608) 347-3628

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

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12582

MADISON, WI 9025

CONTRACT NO:

UTILITIES PLAN AND PROFILE - GALLEON RUN

4800 VOGES ROAD CSM

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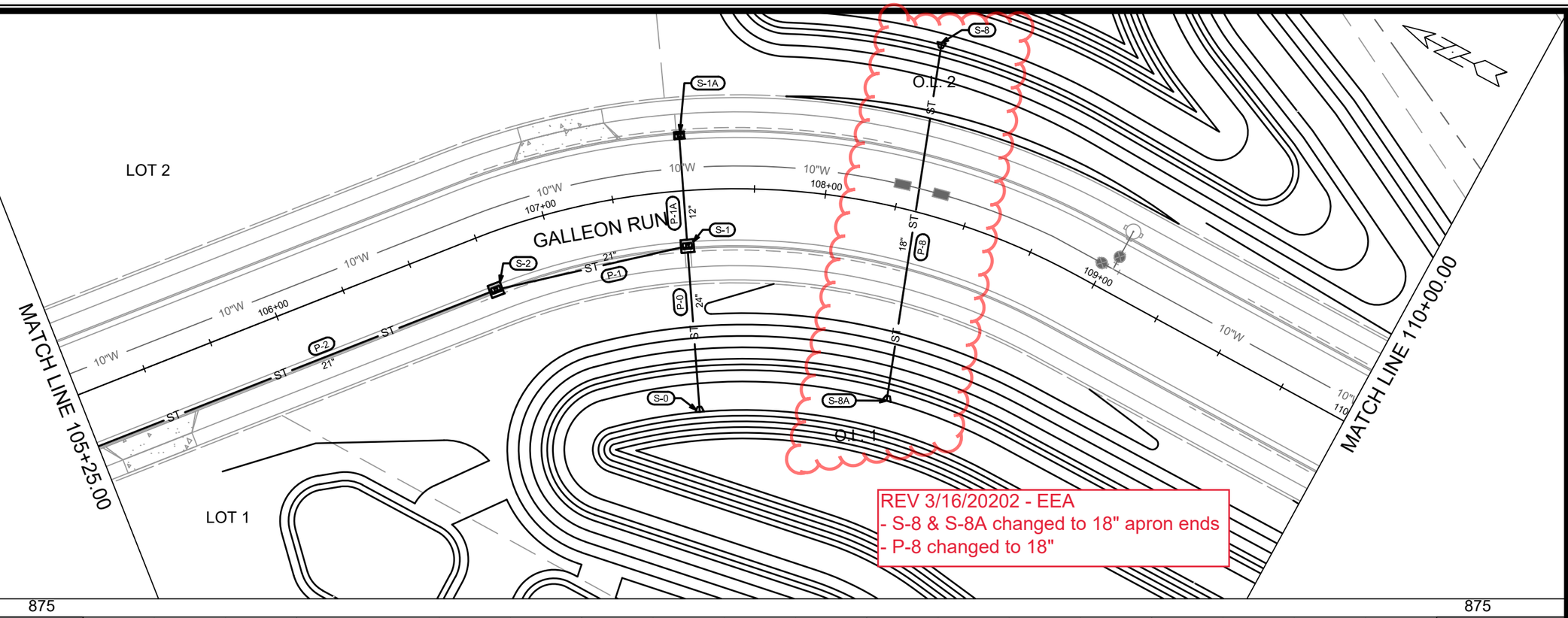
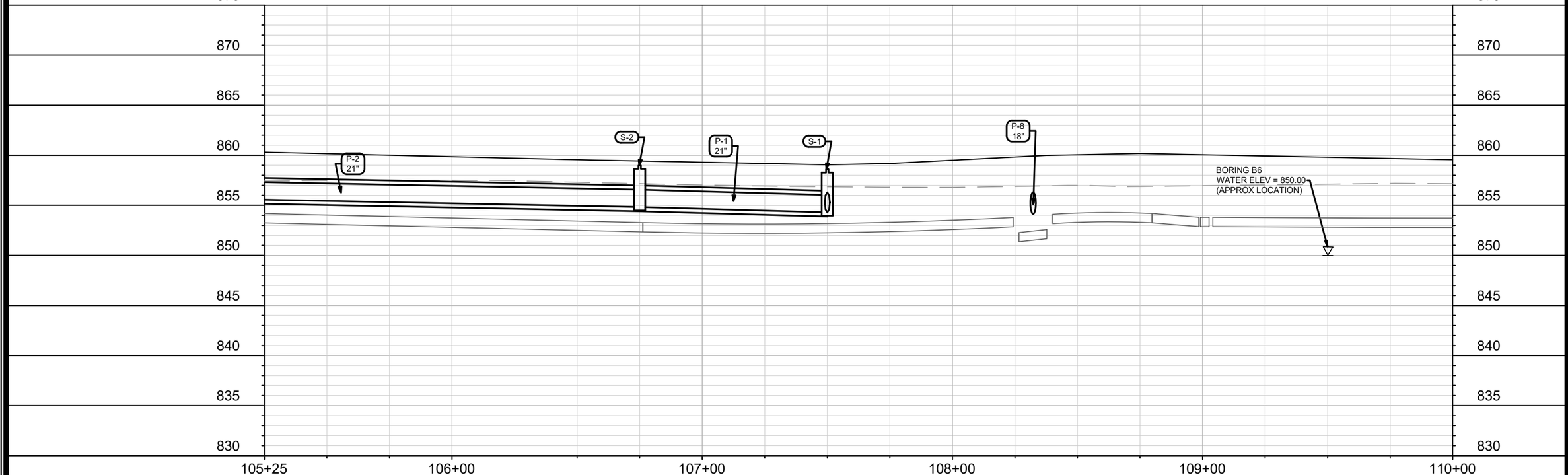
U-1



REV 3/16/20202 - EEA
- S-8 & S-8A changed to 18" apron ends
- P-8 changed to 18"



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12582

MADISON, WI

9025

CONTRACT NO:

UTILITIES PLAN AND PROFILE - GALLEON RUN

4800 VOGES ROAD CSM

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12582

U-2

Rev 3/16/2022 - EEA
- Changed P-10 & P-10A to 18" pipe
- S-10 & S-10B changed to 18" apron ends
- S-10A is now a 5x5 structure

Rev 1/28/2022 - EEA
- Deleted 12" apron end
-S-11 is now a tap to EX IN 6863-005
-P-11 now connects to EN IN 6863-005
-Rebuild roof and exchange casting in EX IN 6863-005 as noted.

MATCH LINE 110+00.00

GALLEON RUN

VOGES ROAD

S-9B
S-9A
S-9
P-9A
P-9
S-10
S-10A
S-10B
P-10
P-10A
S-11
S-11A
S-11B
P-11
P-11A
EX IN 6863-005
REMOVE EX R-3067 CASTING REBUILD ROOF TO ACCEPT R-1550 CASTING
EX 42" RCP STM
O/L 1

10"W
111+00
112+00
113+00
114+00
115+00
115+58

875
870
865
860
855
850
845
840
835
830

EX IN 6863-005 REBUILD ROOF TO ACCEPT R-1550 CASTING

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MADISON, WI

9025

CONTRACT NO:

UTILITIES PLAN AND PROFILE - GALLEON RUN

4800 VOGES ROAD CSM

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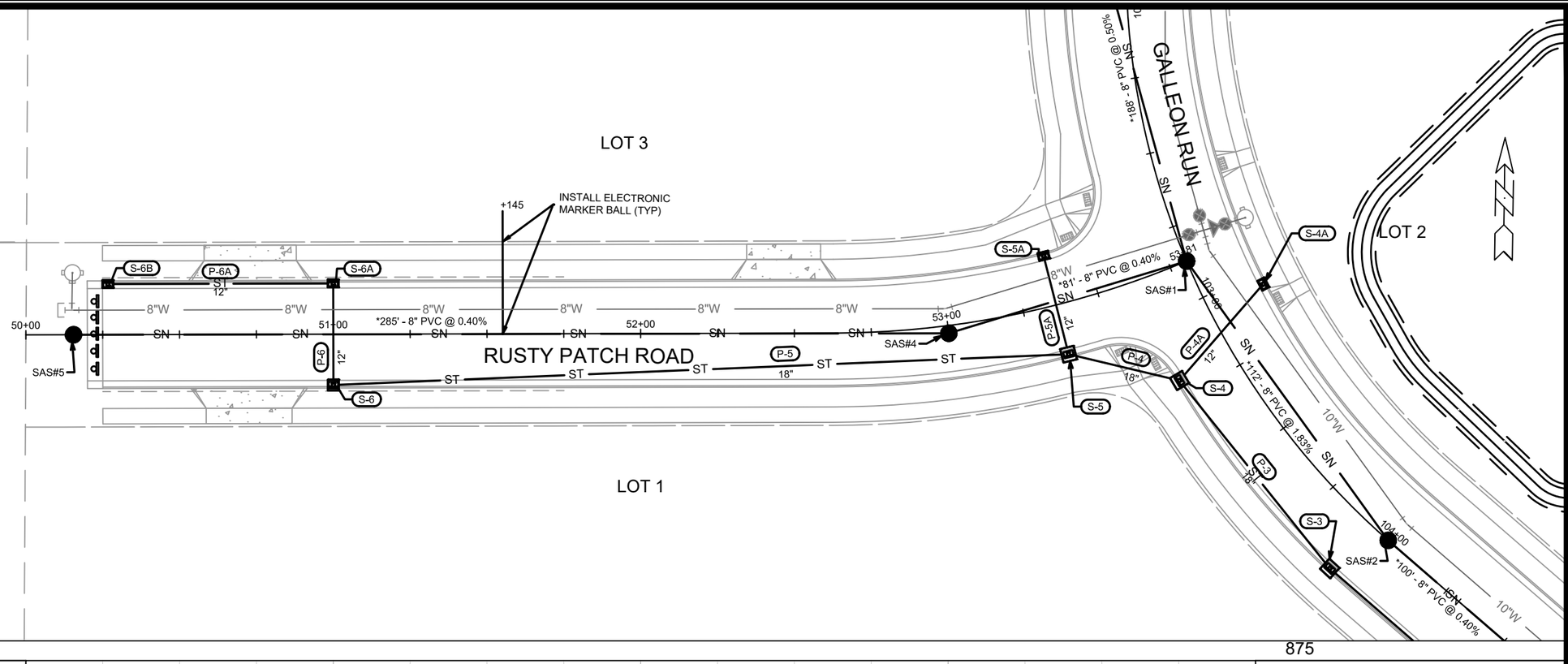
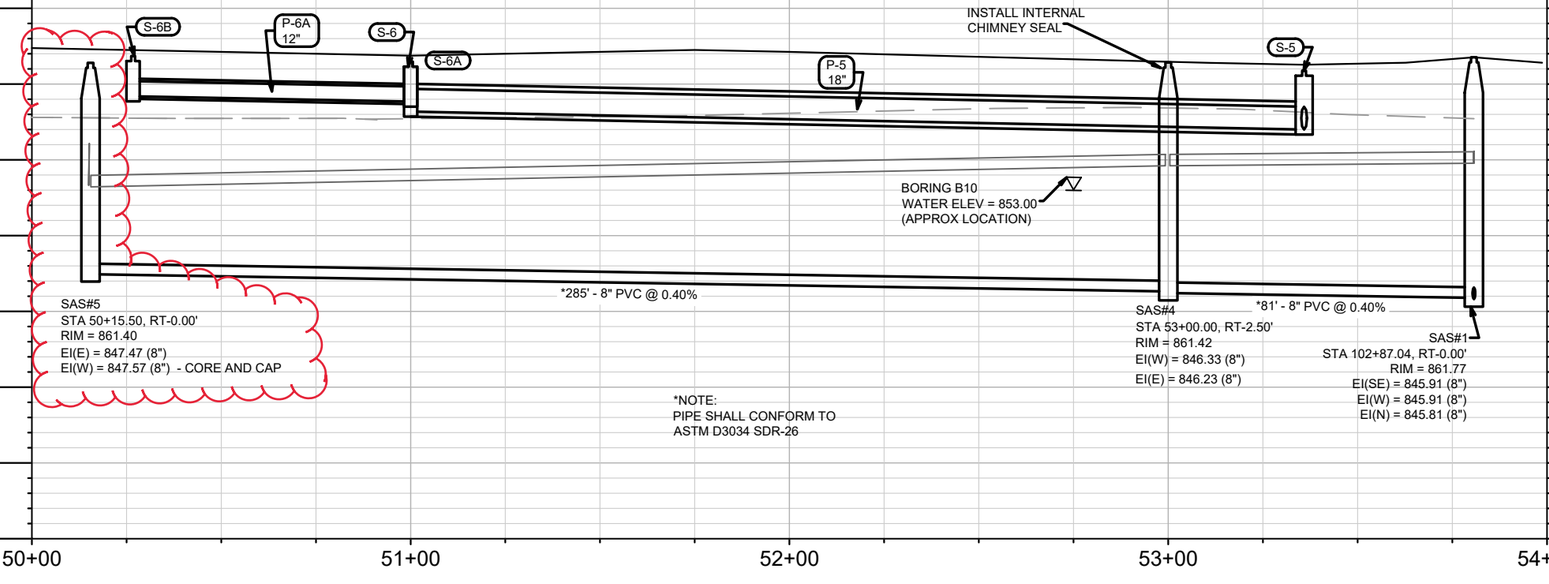


Rev 1/28/2022 - EEA
- Revised Rim elevation on SAS#5



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12582

UTILITIES PLAN AND PROFILE -RUSTY PATCH ROAD

4800 VOGES ROAD CSM

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MADISON, WI 9025

CONTRACT NO:

12582

U-4

SANITARY SEWER SCHEDULE

*** REVISED 1/28/2022 - EEA**

4800 VOGES ROAD CSM	SHEET NO.
PROJECT NO. 12582	U-SAN
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY

	SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
	GALLEON RUN						
	SAS#1	102+87.04	CL	861.77	845.81	15.96	(1)
	SAS#2	104+00.00	CL	861.07	847.96	13.11	(1)
	SAS#3	105+00.00	CL	860.46	848.98	11.48	(1); (2)
	RUSTY PATCH ROAD						
	SAS#4	53+00.00	CL	861.42	846.23	15.19	(1); (2)
*	SAS#5	50+15.50	CL	**861.40**	847.47	**13.93**	(1)

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
GALLEON RUN								
EX MH07-224	SAS#1	844.87	845.81	188	0.50%	8"	SDR-26	(3)
SAS#1	SAS#2	845.91	847.96	112	1.83%	8"	SDR-26	-
SAS#2	SAS#3	848.06	848.46	100	0.40%	8"	SDR-26	-
RUSTY PATCH ROAD								
SAS#1	SAS#4	845.91	846.23	81	0.40%	8"	SDR-26	-
SAS#4	SAS#5	846.33	847.47	285	0.40%	8"	SDR-26	-

SPECIFIC NOTES:

(1) INSTALL EXTERNAL RUBBERIZED JOINT WRAPP PER S.D.D. 5.7.2
(2) INSTALL INTERNAL CHIMNEY SEAL PER S.D.D. 5.7.17
(3) CONTACT RAY SCHNEIDER OF MMSD AT rays@madsewer.org or (608) 347-3628, 5 DAYS PRIOR FOR THE MANHOLE ADJUST AND THE TAP CONNECTION TO ARRANGE FOR INSPECTION & PERMITTING. ALL WORK ON MMSD MANHOLE NEEDS TO CONFIRM WITH MMSD SPECIFICATIONS.

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.

STORM SEWER SCHEDULE

*** REVISED 1/28/2022 - EEA**
++ REVISED 3/16/2022 - EEA

4800 VOGES ROAD CSM	SHEET NO.
PROJECT NO. 12582	U-STM
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

	STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
	GALLEON RUN							
	S-0	107+50.00	RT-77.85	24" RCP APRON END	-	854.00	-	W/ GATE
	S-1	107+50.00	RT-19.50	4X4 SAS	859.07	854.29	4.78	LP; W/ R-3067-7004-VB
	S-1A	107+50.00	LT-19.50	H INLET	859.07	855.85	3.22	LP; W/ R-3067-7004-VB
	S-2	106+75.00	RT-19.50	4X4 SAS	859.45	854.82	4.63	W/ R-3067-7004-V
	S-3	103+92.30	RT-19.50	4X4 SAS	861.15	856.22	4.93	W/ R-3067-7004-V
	S-4	103+19.45	RT-19.50	4X4 SAS	861.59	856.84	4.75	W/ R-3067-7004-V
	S-4A	103+05.00	LT-19.50	H INLET	861.68	858.08	3.60	W/ R-3067-7004-V
++	S-8	108+27.33	LT-59.72	**18" RCP APRON END**	-	854.00	-	-
++	S-8A	108+41.59	RT-66.67	**18" RCP APRON END**	-	855.00	-	-
	S-9	110+40.38	RT-70.06	12" RCP APRON END	-	854.50	-	W/ GATE
	S-9A	110+25.00	RT-19.50	H INLET	859.45	856.25	3.20	LP; W/ R-3067-7004-VB
	S-9B	110+25.00	LT-19.50	H INLET	859.45	856.45	3.00	LP; W/ R-3067-7004-VB
	S-10	113+79.46	LT-54.25	12" RCP APRON END	-	854.00	-	W/ GATE
++	S-10A	114+11.21	RT-42.78	**5X5 SAS**	859.50	855.00	4.50	W/ R-1550
	S-10B	114+22.77	RT-59.43	12" RCP APRON END	-	855.00	-	W/ GATE
*	S-11	**115+35.84**	**LT-20.13**	**STORM TAP**	-	**854.02**	-	**TAP EX IN 6863-005; (1)**
	S-11A	115+10.84	LT-19.50	H INLET	857.50	854.26	3.24	LP; W/ R-3067-7004-VB
	S-11B	115+10.84	RT-19.50	H INLET	857.50	854.46	3.04	LP; W/ R-3067-7004-VB
	RUSTY PATCH ROAD							
	S-5	53+35.86	RT-16.50	4X4 SAS	861.35	857.00	4.35	LP; W/ R-3067-7004-VB
	S-5A	53+35.86	LT-16.50	H INLET	861.35	857.66	3.69	LP; W/ R-3067-7004-VB
	S-6	51+00.00	RT-16.50	3X3 SAS	861.96	858.18	3.78	FP; LP; W/ R-3067-7004-VB
	S-6A	51+00.00	LT-16.50	H INLET	861.96	858.84	3.12	LP; W/ R-3067-7004-VB
	S-6B	50+26.73	LT-16.50	H INLET	862.32	859.19	3.13	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
	GALLEON RUN										
	P-0	S-0	S-1	854.00	854.29	58	57	0.51%	24"	TYPE II	-
	P-1	S-1	S-2	854.29	854.82	69	65	0.82%	21"	TYPE II	NCM
	P-1A	S-1	S-1A	855.24	855.85	39	36	1.69%	12"	TYPE I	-
	P-2	S-2	S-3	854.82	856.22	283	279	0.50%	21"	TYPE II	-
	P-3	S-3	S-4	856.47	856.84	78	74	0.50%	18"	TYPE I	-
	P-4	S-4	S-5	856.84	857.00	37	32	0.50%	18"	TYPE II	-
	P-4A	S-4	S-4A	857.34	858.08	42	38	1.95%	12"	TYPE I	-
++	P-8	S-8	S-8A	854.00	855.00	127	127	0.79%	**18"**	TYPE I	-
	P-9	S-9	S-9A	854.50	856.25	53	52	3.37%	12"	TYPE II	-
	P-9A	S-9A	S-9B	856.25	856.45	39	37	0.54%	12"	TYPE I	-
++	P-10	S-10	S-10A	**854.25**	**855.00**	102	101	**0.74%**	**18"**	TYPE I	-
++	P-10A	S-10A	S-10B	**855.00**	855.00	20	19	**0.00%**	**18"**	TYPE II	-
*	P-11	S-11	S-11A	**854.02**	854.26	**25**	**24**	**1.00%**	12"	TYPE II	**NCM**
	P-11A	S-11A	S-11B	854.26	854.46	39	37	0.54%	12"	TYPE I	-
	RUSTY PATCH ROAD										
	P-5	S-5	S-6	857.00	858.18	239	236	0.50%	18"	TYPE I	-
	P-5A	S-5	S-5A	857.50	857.66	33	30	0.53%	12"	TYPE I	-
	P-6	S-6	S-6A	858.68	858.84	33	31	0.52%	12"	TYPE I	-
	P-6A	S-6A	S-6B	858.84	859.19	73	70	0.50%	12"	TYPE II	-

SPECIFIC NOTES:

(1) REMOVE EXISTING R-3067 CASTING; REBUILD ROOF TO ACCEPT R-1550 CASTING

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

SANITARY SEWER SCHEDULE

4800 VOGES ROAD CSM	SHEET NO.
PROJECT NO. 12582	U-SAN
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
GALLEON RUN						
SAS#1	102+87.04	CL	861.77	845.81	15.96	(1)
SAS#2	104+00.00	CL	861.07	847.96	13.11	(1)
SAS#3	105+00.00	CL	860.46	848.98	11.48	(1); (2)
RUSTY PATCH ROAD						
SAS#4	53+00.00	CL	861.42	846.23	15.19	(1); (2)
SAS#5	50+15.50	CL	857.77	847.47	10.30	(1)

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
GALLEON RUN								
EX MH07-224	SAS#1	844.87	845.81	188	0.50%	8"	SDR-26	(3)
SAS#1	SAS#2	845.91	847.96	112	1.83%	8"	SDR-26	-
SAS#2	SAS#3	848.06	848.46	100	0.40%	8"	SDR-26	-
RUSTY PATCH ROAD								
SAS#1	SAS#4	845.91	846.23	81	0.40%	8"	SDR-26	-
SAS#4	SAS#5	846.33	847.47	285	0.40%	8"	SDR-26	-

SPECIFIC NOTES:

(1) INSTALL EXTERNAL RUBBERIZED JOINT WRAPP PER S.D.D. 5.7.2
(2) INSTALL INTERNAL CHIMNEY SEAL PER S.D.D. 5.7.17
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STORM SEWER SCHEDULE

4800 VOGES ROAD CSM	SHEET NO.
PROJECT NO. 12582	U-STM
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
GALLEON RUN							
S-0	107+50.00	RT-77.85	24" RCP APRON END	-	854.00	-	W/ GATE
S-1	107+50.00	RT-19.50	4X4 SAS	859.07	854.29	4.78	LP; W/ R-3067-7004-VB
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S-3	103+92.30	RT-19.50	4X4 SAS	861.15	856.22	4.93	W/ R-3067-7004-V
S-4	103+19.45	RT-19.50	4X4 SAS	861.59	856.84	4.75	W/ R-3067-7004-V
S-4A	103+05.00	LT-19.50	H INLET	861.68	858.08	3.60	W/ R-3067-7004-V
S-8	108+27.33	LT-59.72	24" RCP APRON END	-	854.00	-	-
S-8A	108+41.59	RT-66.67	24" RCP APRON END	-	855.00	-	-
S-9	110+40.38	RT-70.06	12" RCP APRON END	-	854.50	-	W/ GATE
S-9A	110+25.00	RT-19.50	H INLET	859.45	856.25	3.20	LP; W/ R-3067-7004-VB
S-9B	110+25.00	LT-19.50	H INLET	859.45	856.45	3.00	LP; W/ R-3067-7004-VB
S-10	113+79.46	LT-54.25	12" RCP APRON END	-	854.00	-	W/ GATE
S-10A	114+11.21	RT-42.78	3X3 SAS	859.50	854.80	4.70	W/ R-1550
S-10B	114+22.77	RT-59.43	12" RCP APRON END	-	855.00	-	W/ GATE
S-11	114+82.73	LT-62.43	12" RCP APRON END	-	854.00	-	W/ GATE
S-11A	115+10.84	LT-19.50	H INLET	857.50	854.26	3.24	LP; W/ R-3067-7004-VB
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S-6A	51+00.00	LT-16.50	H INLET	861.96	858.84	3.12	LP; W/ R-3067-7004-VB
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PROPOSED STORM PIPES

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P-3	S-3	S-4	856.47	856.84	78	74	0.50%	18"	TYPE I	-
P-4	S-4	S-5	856.84	857.00	37	32	0.50%	18"	TYPE II	-
P-4A	S-4	S-4A	857.34	858.08	42	38	1.95%	12"	TYPE I	-
P-8	S-8	S-8A	854.00	855.00	127	127	0.79%	24"	TYPE I	-
P-9	S-9	S-9A	854.50	856.25	53	52	3.37%	12"	TYPE II	-
P-9A	S-9A	S-9B	856.25	856.45	39	37	0.54%	12"	TYPE I	-
P-10	S-10	S-10A	854.00	854.80	102	101	0.79%	12"	TYPE I	-
P-10A	S-10A	S-10B	854.80	855.00	20	19	1.05%	12"	TYPE II	-
P-11	S-11	S-11A	854.00	854.26	51	50	0.52%	12"	TYPE II	-
P-11A	S-11A	S-11B	854.26	854.46	39	37	0.54%	12"	TYPE I	-
RUSTY PATCH ROAD										
P-5	S-5	S-6	857.00	858.18	239	236	0.50%	18"	TYPE I	-
P-5A	S-5	S-5A	857.50	857.66	33	30	0.53%	12"	TYPE I	-
P-6	S-6	S-6A	858.68	858.84	33	31	0.52%	12"	TYPE I	-
P-6A	S-6A	S-6B	858.84	859.19	73	70	0.50%	12"	TYPE II	-

SPECIFIC NOTES:

STANDARD NOTES:

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

THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION / PLAN OF TRAFFIC ENGINEERING AND CITY OF MADISON ENGINEERING DEPARTMENTS.

NOTE: EROSION CONTROL PLAN ONLY INCLUDES PUBLIC IMPROVEMENTS AND LOT 1 IMPROVEMENTS. LOT 2 AND 3 IMPROVEMENTS TO BE COMPLETED AT AT LATER DATE.

GENERAL NOTES

1. UNDERLYING SITE CONTOURS AND INFORMATION BASED ON TOPOGRAPHIC & UTILITY DATA AS PROVIDED TO WYSER ENGINEERING. WYSER ENGINEERING SHALL NOT BE HELD RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY ARISE AS A RESULT OF ERRONEOUS OR INCOMPLETE INFORMATION PROVIDED BY OTHERS. CONTRACTOR TO CONFIRM ALL ELEVATIONS, GENERAL DRAINAGE AND EARTHWORK REQUIREMENTS PRIOR TO CONSTRUCTION.
2. THE BENCHMARK LOCATIONS ARE SHOWN FOR REFERENCE ONLY ON THIS PLAN. THE BENCHMARKS SHALL BE VALIDATED BY LICENSED LAND SURVEYOR PRIOR TO CONSTRUCTION. CONTRACTOR ASSUMES RISK ASSOCIATED WITH BENCHMARK ELEVATIONS UNTIL CONFIRMED.
3. CONTRACTOR TO OBTAIN APPROPRIATE PERMITS FOR STREET OPENINGS & TO WORK WITHIN THE CITY'S LAND IF REQUIRED.
4. WYSER ENGINEERING SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER OR CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY REGULATORY AGENCIES.
5. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS WITHIN THE PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
6. ALL MUNICIPAL UTILITY CONNECTIONS, WORK IN ROW, PUBLIC OUTLOTS AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

LEGEND (PROPOSED)

- PROPERTY BOUNDARY
- EASEMENT
- BUILDING FOOTPRINT
- 18" CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- 1180 PROPOSED MAJOR CONTOUR
- 1181 PROPOSED MINOR CONTOUR
- STM PROPOSED STORM SEWER
- SILT FENCE
- INLET PROTECTION
- DITCH CHECK

NORTH

1"=60' ON 24"X36"
NTS ON 11"X17"

CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS

1. POST WDNR CERTIFICATE OF PERMIT COVERAGE AND MUNICIPAL EROSION CONTROL PERMITS ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED, THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDNR.
2. KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
3. ENGINEER / CITY OF MADISON / WDNR HAS THE RIGHT TO REQUIRE CONTRACTOR TO IMPLEMENT ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY. CONTRACTOR MUST NOTIFY THE CITY OF MADISON BUILDING INSPECTOR TO SCHEDULE AN ON SITE MEETING A MINIMUM OF TWO (2) WORKING DAYS IN ADVANCE OF ANY SOIL DISTURBANCE ACTIVITIES.
4. SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
5. THE SITE CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
6. INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
7. WHEN POSSIBLE: PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
8. REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT http://dnr.wi.gov/topic/stormwater/standards/const_standards.html.
9. INSTALL PERIMETER EROSION CONTROLS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057 FOR ROCK CONSTRUCTION ENTRANCE(S).
10. INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION. COMPLY WITH WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060 AND DANE COUNTY REQUIREMENTS FOR FRAMED INLET PROTECTION.
11. CONTRACTOR TO PROVIDE SOLID LID OR METAL PLATE ON ALL OPEN MANHOLES DURING CONSTRUCTION TO MINIMIZE SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM.
12. STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMULATIVE EXPOSED AREA. CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
13. PERMITTING OF GROUNDWATER DEWATERING IS THE RESPONSIBILITY OF THE CONTRACTOR. GROUNDWATER DEWATERING IS SUBJECT TO A DNR WASTEWATER DISCHARGE PERMIT AND A DNR HIGH CAPACITY WELL APPROVAL IF CUMULATIVE PUMP CAPACITY IS 70 GPM OR MORE.
14. PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DE-WATERING #1061.
15. COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS OR WET PONDS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE (REFER TO NR 528). CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WDNR TECHNICAL STANDARD SEDIMENT BASIN #1064 AND SEDIMENT TRAP # 1063.
16. CONSTRUCT AND PROTECT THE BIOINFILTRATION BASIN AND VEGETATION FROM RUNOFF AND SEDIMENT DURING CONSTRUCTION. REFERENCE THE WDNR TECHNICAL STANDARD BIORETENTION FOR INFILTRATION # 1004.
17. INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD SILT FENCE #1056. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT.
18. REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062.
19. INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS # 1071.
20. IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
21. IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILIZE WITH MULCH, TACKIFIER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE. OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
22. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
23. SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE AUTHORITIES WITH JURISDICTION. SEPARATE SWEPT MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
24. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES # 1068.
25. PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
26. COORDINATE WITH THE AUTHORITIES WITH JURISDICTION TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTHEN BERMS).
27. FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS CLASS I TYPE B EROSION CONTROL MATTING. INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MAT #1052.
28. FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE CLASS II TYPE B EROSION CONTROL MATTING UNLESS OTHERWISE SPECIFIED ON THE PLAN. INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MAT #1053.
29. MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
30. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNR REMEDIATION AND WASTE MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE-SPECIFIC INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WDNR'S BUREAU OF REMEDIATION AND REDEVELOPMENT RACKING SYSTEM (BRRTS) PUBLIC DATABASE AT: http://dnr.wi.gov/botw/
31. INSTALL AND MAINTAIN A CONCRETE WASHOUT BASIN PER EPA 833-F-11-006: https://www3.epa.gov/npdes/pubs/concretewashout.pdf. REQUIRE USE BY ALL CONCRETE CONTRACTORS. LIQUID MAY BE REUSED IN CONCRETE MIXING, EVAPORATED, OR DISPOSED OF AS WASTEWATER.

GRADING, SEEDING & RESTORATION NOTES

1. ALL GRADES SHOWN ARE FINAL FINISHED SURFACE GRADES.
2. AREAS TO BE SEEDED SHALL HAVE A MINIMUM 6 INCHES TOPSOIL UNLESS OTHERWISE NOTED.
3. AREAS NOT RESTORED WITH EROSION MATTING OR OTHER STABILIZATION MEASURES SHALL BE STABILIZED WITH MULCH.
4. APPLY ANIONIC POLYMER TO DISTURBED AREAS IF EROSION BECOMES PROBLEMATIC.
5. CONTRACTOR SHALL CHISEL-PLOW OR DEEP TILL WITH DOUBLE TINES THE STORMWATER MANAGEMENT FACILITY JUST PRIOR TO SEEDING AND MULCHING TO PROMOTE INFILTRATION.
6. MULCH SHALL BE WEED-FREE STRAW AND SHALL BE INSTALLED AT THE RATE OF 2 TONS PER ACRE PER SECTION 627 OF "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" (WISDOT 2014)
7. PERMANENT SEEDING SHALL NOT OCCUR BETWEEN SEPTEMBER 15TH AND APRIL 15TH. ALTERNATE SEEDING/PLANTING METHODS AND/OR EROSION PROTECTION MAY BE NECESSARY FOR SEEDING/PLANTING THAT OCCURS DURING THAT TIME. COORDINATE WITH THE OWNER AS NECESSARY.
8. TEMPORARY STABILIZATION SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING OPTIONS:
   a. TEMPORARY SEEDING CONSISTING OF ANNUAL RYE GRASS APPLIED AT A RATE OF 1.5 LBS PER 1000 SQUARE FEET,
   b. WISDOT PAL CLASS I TYPE B URBAN EROSION CONTROL MAT.

DIGGERS HOTLINE
Toll Free (800) 242-8511 -or- 811
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

RUEDEBUSCH DEVELOPMENT & CONSTRUCTION
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WYSER ENGINEERING
608.843.3388
www.wyserengineering.com

PROPOSED WYOMING PROJECT

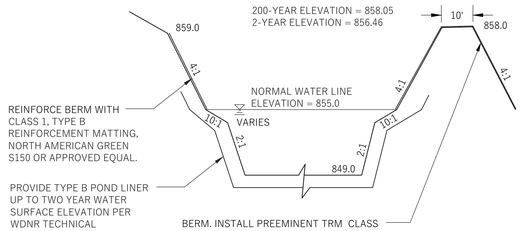
PROPOSED BUILDING - WEST
OF FUTURE GALEON RUN
4800 VOGES RD.
MADISON, WISCONSIN 53718

NO.	REVISION:	DATE:
		12.08.21
	SITE ZONING UPDATES	01.05.22
	PUBLIC PLAN UPDATES	

SHEET TITLE:
GRADING & EROSION CONTROL PLAN

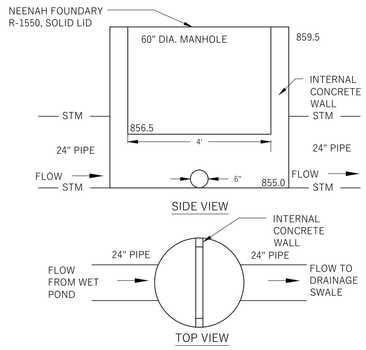
JOB NUMBER:	19032
DESIGNED BY:	DOS/AJW
DRAWN BY:	DOS/AJW
CHECKED BY:	-
DATE:	11.04.2021

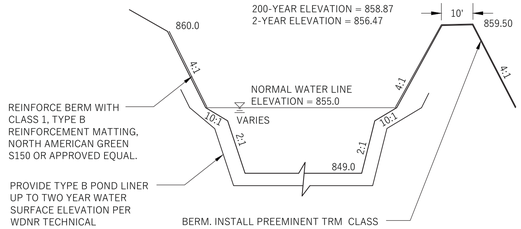
SHEET NO:
C2.0



WET DETENTION BASIN OUTLET
24-INCH DIA RCP PIPE @ 0.5%
UPSTREAM I.E. = 855.0
DOWNSTREAM I.E. = 854.5
PLATE WITHIN 60" OUTLET MANHOLE
6" HOLE IN PLATE AT ELEVATION 855.0
RECTANGULAR SHAPED CUT IN PLATE WITH 4-FOOT WIDE OPEN AREA AT ELEVATION 856.5
OVERFLOW WEIR = 20.0' LONG AND 5.0' WIDE AT ELEVATION 858.0

STORMWATER TREATMENT FACILITY SECTION: WET DETENTION POND 1





WET DETENTION BASIN OUTLET
18-INCH DIA RCP PIPE @ 0.71%
UPSTREAM I.E. = 855.0
DOWNSTREAM I.E. = 854.0
OVERFLOW WEIR = 20.0' LONG AND 5.0' WIDE AT ELEVATION 859.5

STORMWATER TREATMENT FACILITY SECTION: WET DETENTION POND 2

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WYSER ENGINEERING
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PROPOSED WYOMING PROJECT
PROPOSED BUILDING - WEST
OF FUTURE GALLEON RUN
4800 VOGES RD.
MADISON, WISCONSIN 53718

NO.	REVISION:	DATE:
	SITE ZONING UPDATES	12.08.21
	PUBLIC PLAN UPDATES	01.05.22

SHEET TITLE: DETAILS

JOB NUMBER:	19032
DESIGNED BY:	DOS/AJW
DRAWN BY:	DOS/AJW
CHECKED BY:	-
DATE:	11.04.2021

SHEET NO:
D1.1

BID ITEM 90XXX: CLAY LINER PROVISION AND PLACEMENT

DESCRIPTION

This item includes all work necessary to provide and place a 2-foot clay liner (finish depth) in the pond areas below the permanent pool, as shown in the plan set. Excavation of the in-situ soil to accommodate the clay liner placement is paid under Bid Item 20101 - Excavation Cut. The top of the clay liner shall have a finish grade as shown in the plan set.

The estimated clay quantity was determined by using the average end area method for a 2-foot layer.

- Estimated Quantity: 11,000 CY (Two basins within public outlots only)

The quantity listed above represents fully compacted material, with a thickness of 2 feet. If the Contractor elects to place more than 2 feet of clay for ease of placement, it shall not be compensated. Further, if additional depth is placed the finish grade for top of clay shall not be modified from the plan grade. As a result any additional clay depth shall be done on the bottom of the clay layer and shall not result in any additional compensation in Bid Item 20101--Excavation Cut.

SUBMITTALS AND APPROVALS

The Contractor is responsible submitting the following documents, and/or for receiving approval for the following items. Failure to do so may result in forfeiture of payment for this bid item.

Submittals:

a. Test results for proposed clay liner material, to include Atterberg limits, grain size distribution, and proctor tests.
b. In-Situ Material Substitution Plan, if applicable.

Approvals:

a. Material: written approval from the Project Engineer or Construction engineer for use of the proposed material.
b. In-Situ Material Substitution Plan: written approval from the Project Engineer or Construction Engineer to substitute in-situ clay with placed clay liner.
c. Foundation Preparation: verbal approval from the Project Engineer or Construction Engineer prior to placement of the first lift of clay.
d. Final Acceptance: written approval from the Project Engineer or Construction Engineer accepting placement of the liner. This will only be granted after all field testing has been reviewed and approved.

MATERIAL

Soils used in clay liner construction shall not contain sod, brush, roots, frozen soil, or other perishable materials. Rock particles larger than 3 inches shall be removed prior to compaction of the clay.

The material used shall meet the following specifications:

a. Be comprised of 50% fines (passing 200 sieve) or more;
b. An in-place hydraulic conductivity of 1 x 10^{-7} centimeters per second, or less;
c. An average liquid limit of 25 or greater, with no value less than 20;
d. An Average Plasticity Index of 12 or more, with no values less than 10.

The Contractor may use material generated on site, provided it meets all specifications listed above. In-situ material may also be used to replace up to 1 foot of the 2-foot liner. The Contractor shall submit an In-Situ Material Substitution plan to be reviewed by the Project Engineer, Construction Engineer, and soils testing consultant.

CONSTRUCTION

FOUNDATION PREPARATION
Foundation surfaces shall be graded to remove surface irregularities and shall be scarified, or otherwise acceptably scored or loosened, to a minimum depth of 2 inches. The moisture content of the loosened material shall be controlled as specified for the clay liner, and the surface materials of the foundation shall be compacted and bonded with the first layer of the clay liner as specified for subsequent layers of clay liner.

PLACEMENT
The clay liner shall not be placed until the required foundation preparation has been completed and the foundation has been inspected and approved by the Project Engineer and Construction Engineer. The clay liner shall not be placed upon a frozen surface, nor shall snow, ice, or frozen material be incorporated in the clay liner.

The liner shall be placed in lifts. The thickness of each lift, before compaction, shall not exceed the smaller of 6 inches or the length of the teeth of the footed compactor used.

The distribution of materials throughout the clay liner shall be essentially uniform, and the clay liner shall be free from lenses, pockets, streaks, or layers of material differing substantially in texture, moisture content, or gradation from the surrounding material.

If the surface of any layer becomes too and smooth for proper bond with the succeeding layer, it shall be scarified to a depth of not less than 2 inches before the next layer is placed.

CONTROL OF MOISTURE CONTENT
During placement and compaction of the clay liner, the moisture content of the clay being placed shall be maintained above optimum moisture as determined by the Standard Proctor Test (ASTM D698) or Modified Proctor Test (ASTM D1557).

The application of water to the clay shall be accomplished at the borrow area insofar as practicable. If necessary, water may be applied by sprinkling the clay after placement and before compaction of the liner. Uniform moisture distribution shall be obtained by disking.

If the moisture conditions described herein cannot be achieved, the Contractor shall work with the soils testing consultant to assure the placement meets the intent of the specification.

COMPACTION
The clay liner shall be compacted to a minimum of 95% of standard proctor dry density (ASTM D698) or to a minimum of 90% of modified proctor dry density (ASTM D1557), at a moisture content above optimum moisture.

The clay liner shall be compacted with a non-vibratory, footed compactor weighting at least 25,000 pounds, operated continuously, in uncompacted lift thicknesses not to exceed the smaller of 6 inches or the length of the teeth on the footed compactor used. Alternate compaction equipment shall be approved by the Project Engineer and soil testing consultant prior to use on site.

REWORKING OR REMOVAL AND REPLACEMENT OF DEFECTIVE CLAY LINER
Clay placed at densities lower than the specified minimum density or at moisture contents lower than optimum moisture content or otherwise not conforming to the requirement of the specifications shall be reworked to meet the specifications, or shall be removed and replaced. The replacement clay and the foundation fill surfaces upon which it is placed shall conform to all requirements of this specification for foundation preparation, approval, placement, moisture control, and compaction.

Warranty of the liner will be determined by the capacity of the pond to maintain a consistent water level. Failure of the pond to maintain a consistent water level within the warranty period will result in the Contractor repairing or replacing the liner as needed.

TESTING AND DOCUMENTATION REQUIREMENTS

Prior to placement of any material, the Contractor shall submit testing results showing the proposed material is appropriate for use in a clay liner. This includes a minimum of one of each of the following: Standard Proctor or Modified Proctor, grain size distribution, and Atterberg Limits. These tests shall be completed at the expense of the Contractor.

Field and laboratory soil tests shall be completed on the clay liner, by a third party soil testing consultant retained by the City, to document compliance with this specification. Testing shall be completed as the liner is being placed. The Contractor shall accommodate access and scheduling of this work, including potential delays if a representative is not immediately available. The following tests shall be completed at the specified frequency. Copies of the documentation report, including test locations and test results, shall be provided to Construction Engineer.

TEST FOR PROJECT	STANDARD	FREQUENCY (per liner quantity)	TESTS REQUIRED
Standard Proctor	ASTM D-698	1 per 500 cy	
Modified Proctor	ASTM D-1557	1 per 500 cy	
Field Density	ASTM D-2922, D-2167, D-1556, D-2937	1 per 100 sf	
Atterberg Limit	ASTM D-4318	1 per 500 cy	
Grain Size Distribution	ASTM D-422	1 per 500 cy	
PermeabilityASTM	D-5084	1 per 500 cy	

Atterberg limits, grain size distribution, and permeability tests shall be completed on undisturbed samples obtained from the constructed clay liner. The Contractor shall prepare test locations at the direction of the soil testing consultant. A minimum of one of each of the laboratory tests specified above shall be completed per clay liner.

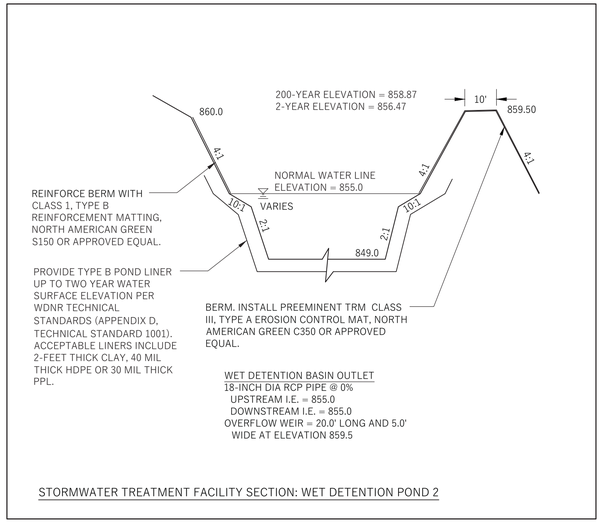
All test holes shall be backfilled using powdered bentonite mixed with clay soil used in liner construction and compacted by hand tamping. The clay shall be broken down into clods less than ½ inch in diameter. A minimum of 25% of the backfilled test hole volume shall be occupied by powdered bentonite after backfilling.

METHOD OF MEASUREMENT

Clay Liner Provision and Placement shall be measured by the Cubic Yard based on plan quantity, without measurement thereof. The quantity listed on the Proposal Page was calculated using the average end area method for a 2-foot layer of clay below the permanent water pool elevation (top of safety bench to top of safety bench).

BASIS OF PAYMENT

Clay Liner Provision and Placement shall be measured as defined above and paid at the contract unit price, which shall be full payment for all work as laid out in the description.



STORMWATER TREATMENT FACILITY SECTION: WET DETENTION POND 2

WISCONSIN WADE P. WYSER E-32010 NAME WISCONSIN 01/06/2022 PROFESSIONAL ENGINEER

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PROPOSED WYOMING PROJECT
PROPOSED BUILDING - WEST
OF FUTURE GALLEON RUN
4800 VOGES RD.
MADISON, WISCONSIN 53718

NO.	REVISION:	DATE:

SHEET TITLE: DETAILS

JOB NUMBER:	19032
DESIGNED BY:	DOS/AJW
DRAWN BY:	DOS/AJW
CHECKED BY:	-
DATE:	11.04.2021
SHEET NO:	D1.2

STA. 100+99.1, 12.9 LT
CONNECT TO EX. TEE W/
10-IN VALVE & BOX

WN 20
W-1

STA. 101+44.0, 43.0 LT
10-IN MJ CAP

STA. 101+44.0, 16.9 LT
10-IN VALVE & BOX

STA. 101+44.0, 12.8 LT
10X10-IN TEE

STA. 101+61.7, 12.8 LT
10X8-IN TEE

STA. 101+61.7, 8.3 LT
8-IN VALVE & BOX

STA. 101+61.7, 43.0 RT
8-IN MJ CAP

STA. 102+30.9, 9.0 LT
10-IN 22-1/2° BEND

STA. 102+74.5, 9.3 LT
10-IN VALVE & BOX

STA. 102+79.7, 8.9 LT
10X8-IN CROSS

STA. 102+80.9, 23.0 LT
5-IN HYDRANT *
PLUG DRAIN PORTS

STA. 102+80.3, 16.1 LT
6-IN VALVE & BOX

STA. 102+80.0, 12.7 LT
8X6-IN REDUCER

STA. 102+86.6, 8.1 LT
10-IN 22-1/2° BEND

STA. 104+00.9, 8.0 LT
10-IN 11-1/4° BEND

INSULATE STORM
CROSSINGS (TYP.)

SEE SHEET W-4
RUSTY PATCH RD

MATCH LINE STA. 105+25

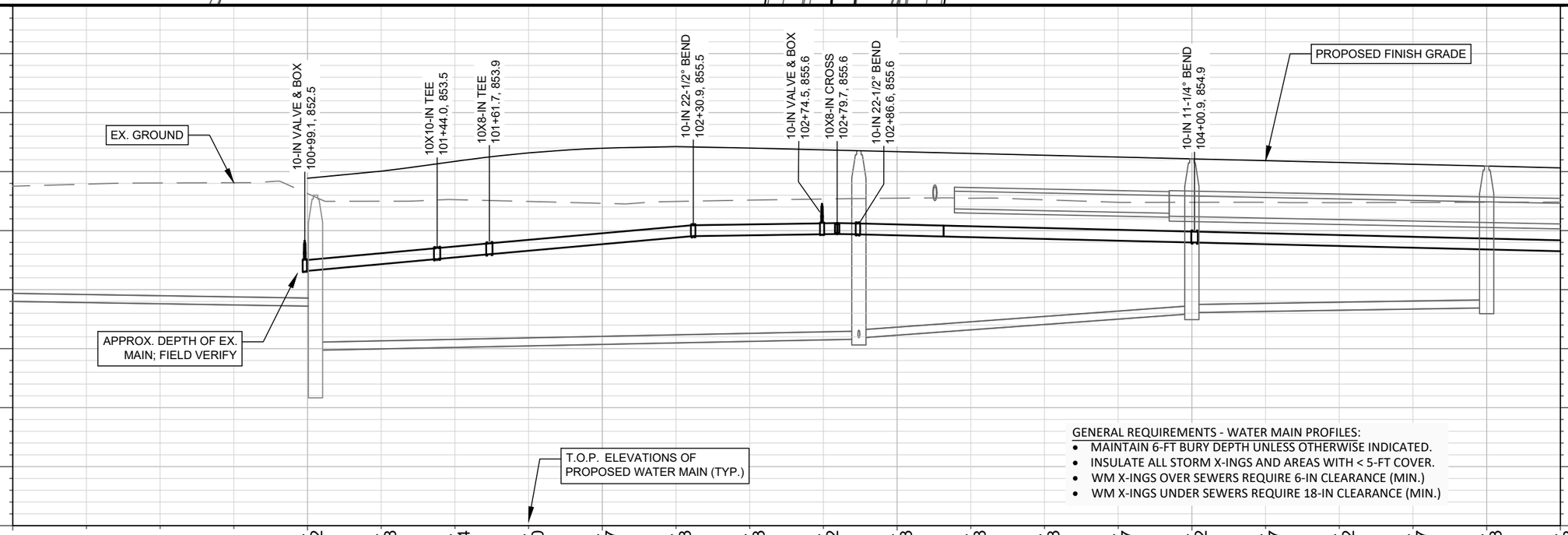
GALLEON RUN

LOT 1

LOT 2

LOT 3

10"W



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: TDP
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 3/24/22

CONTRACT NO: 9025

CITY OF MADISON, WISCONSIN

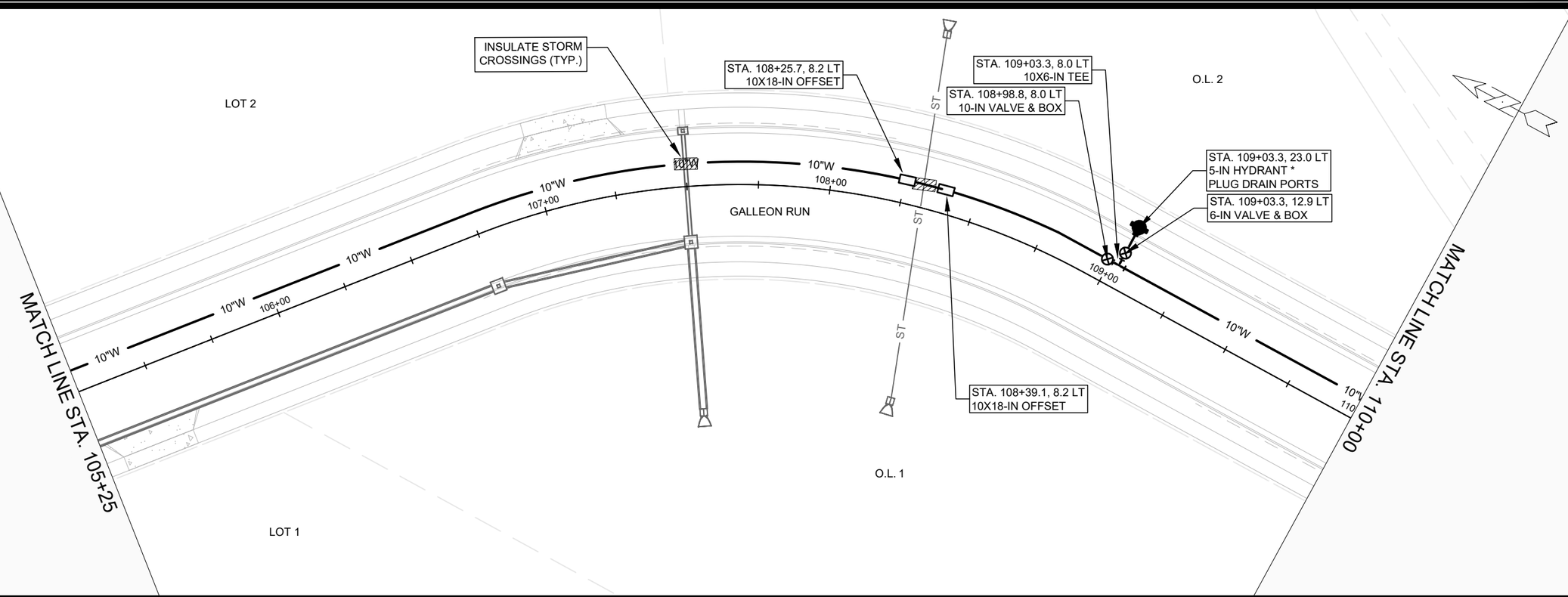
GALLEON RUN WATER

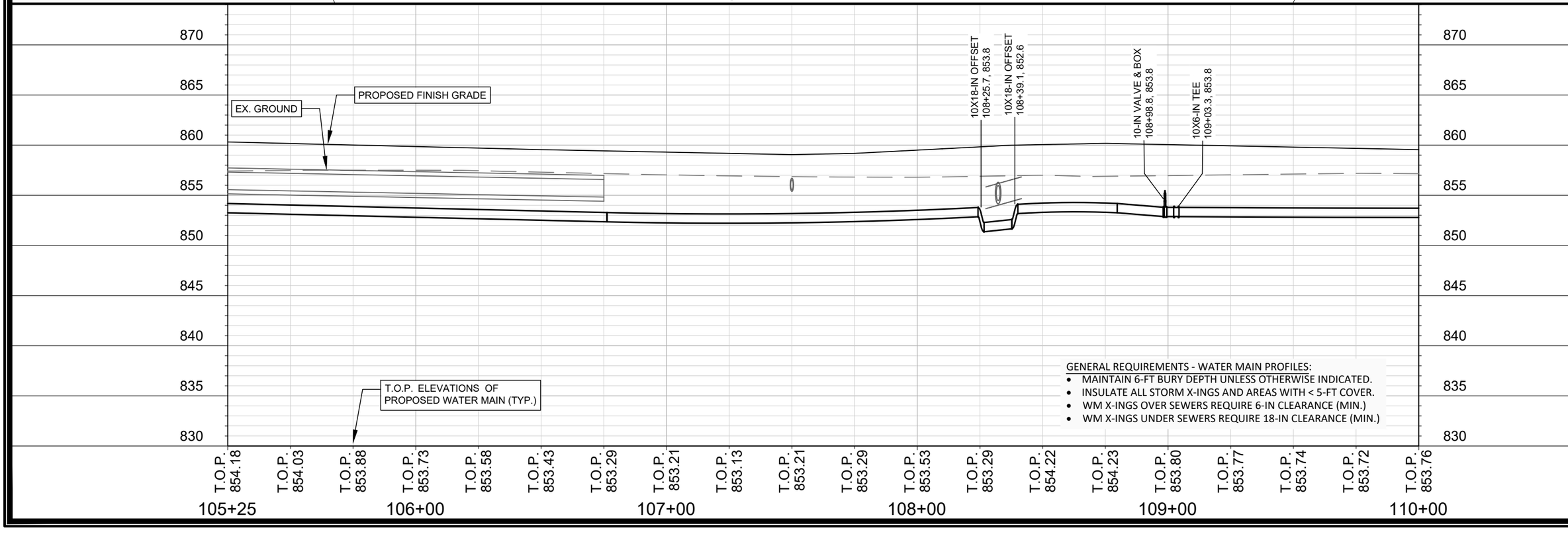
PLAN & PROFILE

4800 VOGES ROAD CSM

12582

W-1





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: TDP
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 3/24/22

4800 VOGES ROAD CSM

PLAN & PROFILE GALLEON RUN WATER

CITY OF MADISON, WISCONSIN

CONTRACT NO: 9025

12582

W-2

MATCH LINE STA. 110+00

O.L. 2

INSULATE STORM CROSSINGS (TYP.)

10"W 10"W 10"W 10"W 10"W 10"W 10"W 10"W 10"W

+00 111+00 112+00 113+00 114+00 115+00 115+58

GALLEON RUN

O.L. 1

STA. 113+91.1, 8.0 LT
10X18-IN OFFSET

STA. 114+99.1, 23.0 LT
5-IN HYDRANT *
PLUG DRAIN PORTS

STA. 114+99.2, 12.8 LT
6-IN VALVE & BOX

STA. 114+99.2, 8.0 LT
10X6-IN TEE

ST

LOT 1

STA. 115+41.2, 8.0 LT
10-IN VALVE & BOX

STA. 115+45.5, 8.0 LT
CUT-IN/CONNECT TO EX.
12-IN W/ 12X10-IN TEE

WN 21
W-3

LOT 1 TO BE FED FROM CONNECTION TO EX. 10-IN STUB OFF VOGES ROAD, SEE REVISED SITE PLAN C3.0 FOR DETAILS

870 865 860 855 850 845 840 835 830

EX. GROUND

PROPOSED FINISH GRADE

10X18-IN OFFSET
113+91.1, 854.3

10X6-IN TEE
114+99.2, 851.5

10-IN VALVE & BOX
115+41.2, 852.1

12X10-IN TEE
115+45.5, 852.2

APPROX. DEPTH OF EX. MAIN; FIELD VERIFY

T.O.P. ELEVATIONS OF PROPOSED WATER MAIN (TYP.)

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.)

T.O.P. 853.76	T.O.P. 853.60	T.O.P. 853.72	T.O.P. 853.74	T.O.P. 853.77	T.O.P. 853.81	T.O.P. 853.86	T.O.P. 853.92	T.O.P. 853.99	T.O.P. 854.06	T.O.P. 854.15	T.O.P. 854.25	T.O.P. 854.35	T.O.P. 854.47	T.O.P. 854.59	T.O.P. 854.70	T.O.P. 852.67	T.O.P. 852.38	T.O.P. 852.08	T.O.P. 851.78	T.O.P. 851.49	T.O.P. 851.83
110+00				111+00				112+00				113+00				114+00				115+00	

SCALE: 1" = 40'
DESIGNED BY: TDP
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE:3/24/22

CONTRACT NO: 9025

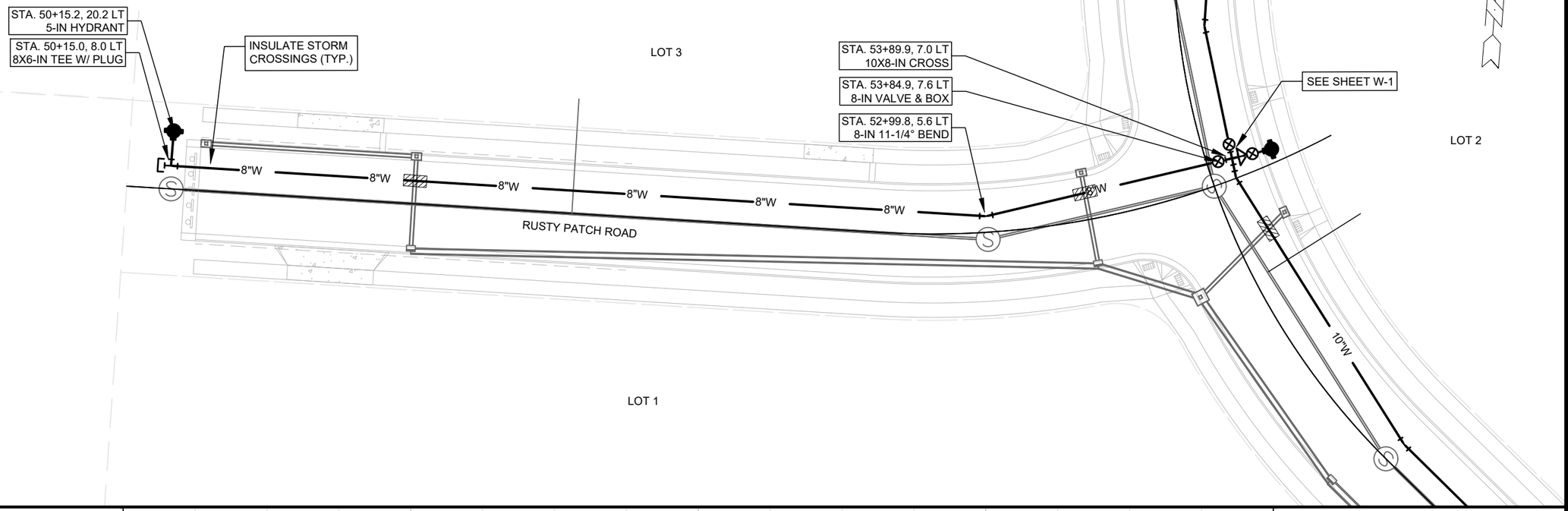
4800 VOGES ROAD CSM

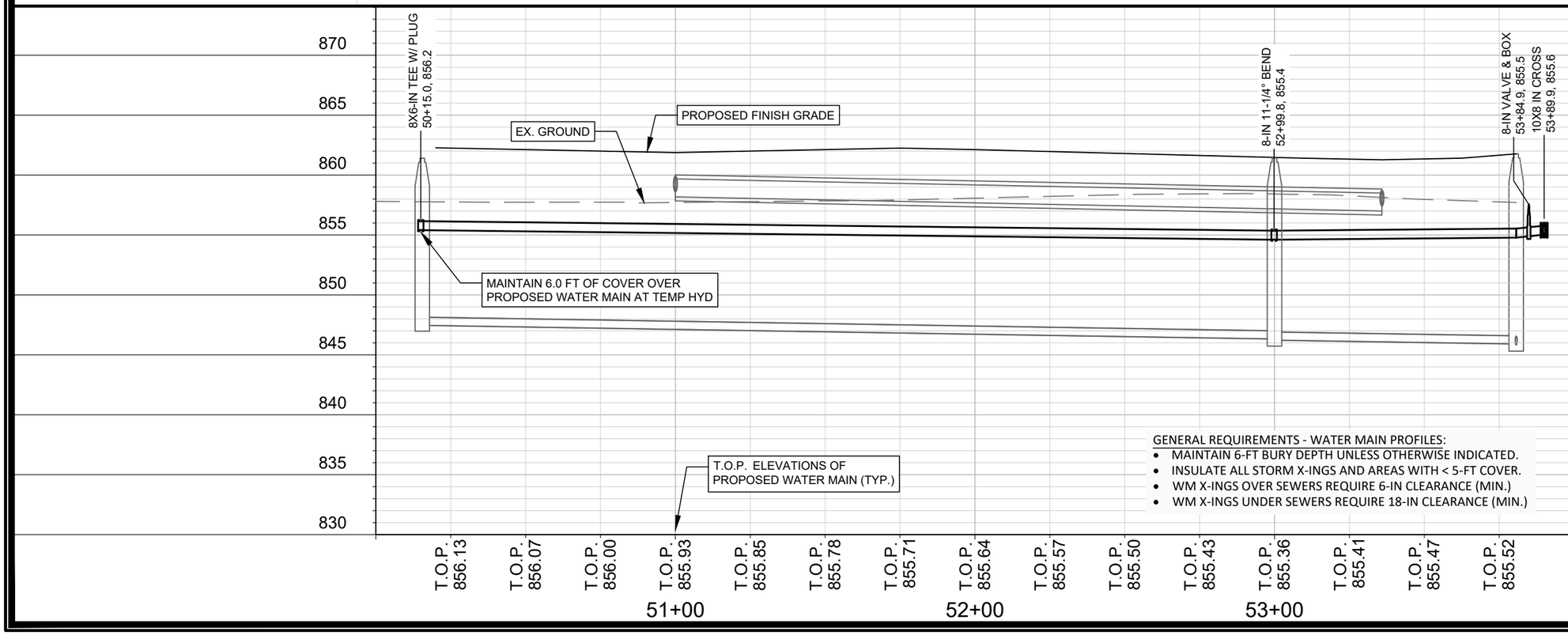
PLAN & PROFILE GALLEON RUN WATER

CITY OF MADISON, WISCONSIN

12582

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.)

SCALE: 1" = 40'
DESIGNED BY: TDP
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE:3/24/22

CONTRACT NO: 9025

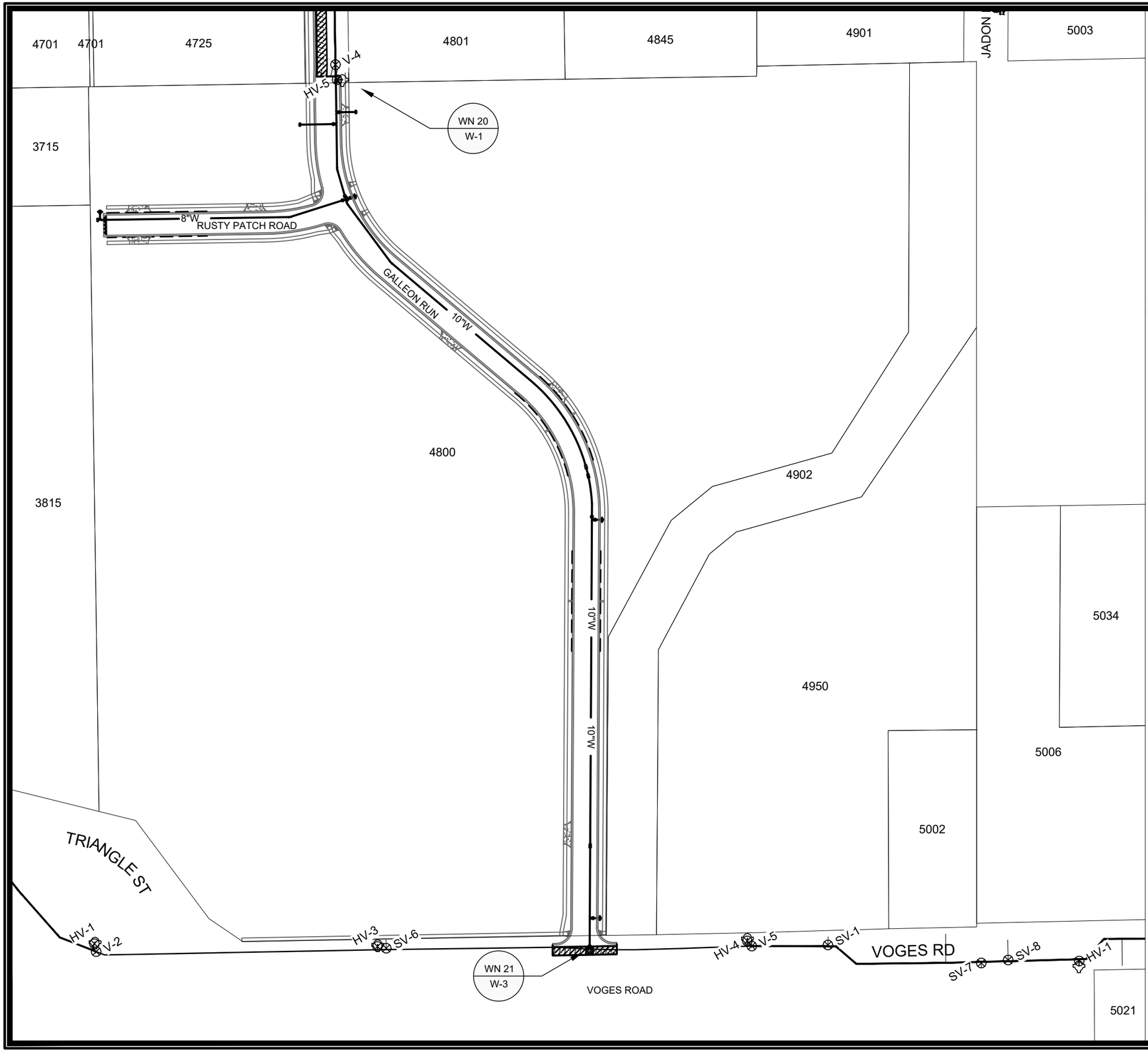
4800 VOGES ROAD CSM

PLAN & PROFILE RUSTY PATCH RD WATER

CITY OF MADISON, WISCONSIN

12582

W-4



WN20 W1 CONNECT TO EX. 10IN TEE AT GALLEON RUN, REMOVE PLUG AND CONNECT WITH 10-IN VALVE & BOX
ISOLATION VALVES: V-4 AT GALLEON RUN
NOTIFY: N/A

WN21 W3 CONNECT TO EX. 12IN AT VOGES ROAD, CUT-IN 12-IN X10-IN TEE
ISOLATION VALVES: V-2 AT VOGES & DUTCHMILL AND V-5 & SV-6 AT VOGES ROAD
NOTIFY: 4800 VOGES ROAD

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.

Madison Water Utility

SCALE: 1"=120'
DESIGNED BY: ARW/TDP
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 12/17/21

CONTRACT NO: 9025

4800 VOGES ROAD
WATER IMPACT PLAN
GALLEON RUN AND VOGES ROAD
CITY OF MADISON, WISCONSIN

12582
W-5

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Madison Water Utility

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 PREPARATION. CONTRACTOR IS RESPONSIBLE FOR 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

ULO	UTILITY	STATION	OFFSET	SHEET

*ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

PAY_ITEM_ID	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	55	LNFT
70003	FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	470	LNFT
70004	FURNISH AND INSTALL 10-INCH PIPE & FITTINGS	1600	LNFT
70031	FURNISH AND INSTALL 6-INCH WATER VALVE	3	EACH
70032	FURNISH AND INSTALL 8-INCH WATER VALVE	2	EACH
70033	FURNISH AND INSTALL 10-INCH WATER VALVE	5	EACH
70040	FURNISH AND INSTALL AND SALVAGE HYDRANT	4	EACH
70101	FURNISH AND INSTALL STYROFOAM	10	EACH
71002	8-IN MJ CAP	1	EACH
71003	10-IN MJ CAP	1	EACH
71014	8-IN MJ PLUG	1	EACH
71044	10X8-IN CROSS	1	EACH
71136	10-IN 22-1/2° BEND	2	EACH
71148	10-IN 11-1/4° BEND	1	EACH
71147	8-IN 11-1/4° BEND	1	EACH
71159	8X6-IN REDUCER	1	EACH
71210	8X6-IN TEE	1	EACH
71213	10X6-IN TEE	2	EACH
71214	10X8-IN TEE	1	EACH
71215	10X10-IN TEE	1	EACH
71219	12X10-IN TEE	1	EACH
71343	10X18-IN OFFSET	3	EACH

*ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES GUARANTEE THE ACCURACY OF THE MATERIAL TAKE OFF.

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

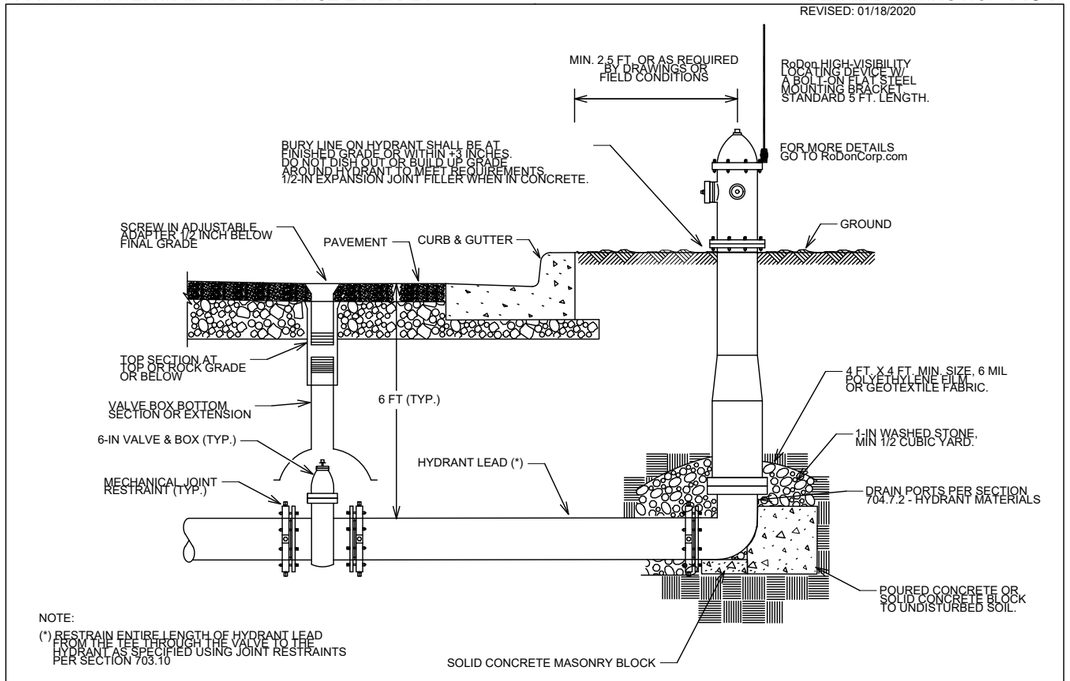
WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.

MEMBER ONE CALL SYSTEMS INTERNATIONAL

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: 01/18/2020



NOTE:
(*) 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

SCALE: N/A
DESIGNED BY: TDP
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 12/10/21

CONTRACT NO: 9025

4800 VOGES ROAD CSM

WATER ESTIMATE OF MATERIALS

CITY OF MADISON, WISCONSIN

12582

W-6

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NOT FOR CONSTRUCTION -
CITY RECORDS ONLY

LOT 3

LOT 2

LOT 1

RUSTY PATCH ROAD

VOGES ROAD

O LOT
DEDICATED TO THE PUBLIC FOR STORMWATER MANAGEMENT PURPOSES

O LOT
DEDICATED TO THE PUBLIC FOR STORMWATER MANAGEMENT PURPOSES

MAINTENANCE LEGEND:

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

MARK	REVISION	DATE	BY

Designed By: ---
Date: 12/14/2021 9:03 AM
Scale: # ### ### ####
12582
MN-1

12582

MADISON, WI

CONTRACT NO: 9025

MAINTENANCE MAP

4800 VOGES RD

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CITY OF MADISON WISCONSIN

12582

MN-1