



Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

MARCH 2, 2021

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Greg Fries

Aug 16, 2021

City Engineer

Date

INDEX OF SHEETS

SHEET NO. D1-D2	STANDARD NOTES & DETAILS
SHEET NO. E-1	ELECTRICAL PLAN
SHEET NO. M1-M2	PAVEMENT MARKING PLAN
SHEET NO. P1-P2	SIDEWALK PLAN & PROFILE
SHEET NO. U1-U3	UTILITY PLAN & PROFILE
SHEET NO. USTM	STORM SEWER SCHEDULE
SHEET NO. X1-X3	CROSS SECTIONS
SHEET NO. L-1	LANDSCAPING PLAN
NO MAINTENANCE PLAN	

5201 OLD MIDDLETON ROAD

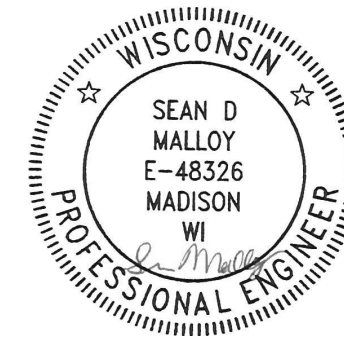
CITY PROJECT NO. 13438
CONTRACT NO. 9015

REV 2021-09-30 BY IO

PROJECT LOCATION

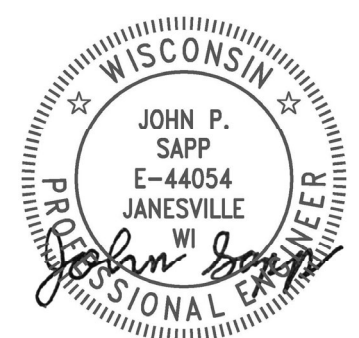


STREET GEOMETRY DESIGNED BY:



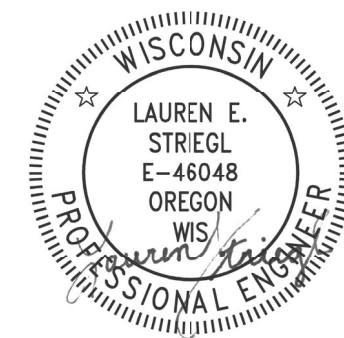
Aug 16, 2021

STREET GRADES DESIGNED BY:



Aug 17, 2021

STORM SEWER DESIGNED BY:

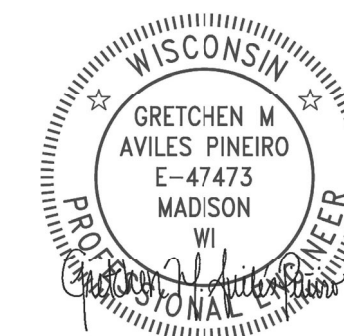


Aug 16, 2021

SANITARY SEWER DESIGNED BY:

LATERALS ONLY

ELECTRICAL DESIGNED BY:



Aug 16, 2021

WATER DESIGNED BY:

LATERALS ONLY

PLOT SCALE: 1 IN:1 FT_XREF

PLOT NAME: ---

REV. DATE: 7/29/2021 11:39 AM

ORIGINATOR: CITY_OF_MADISON

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](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 IKE OKAFOR AT IOKAFOR@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	

ALL PAVEMENT IN THE OLD MIDDLETON 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.

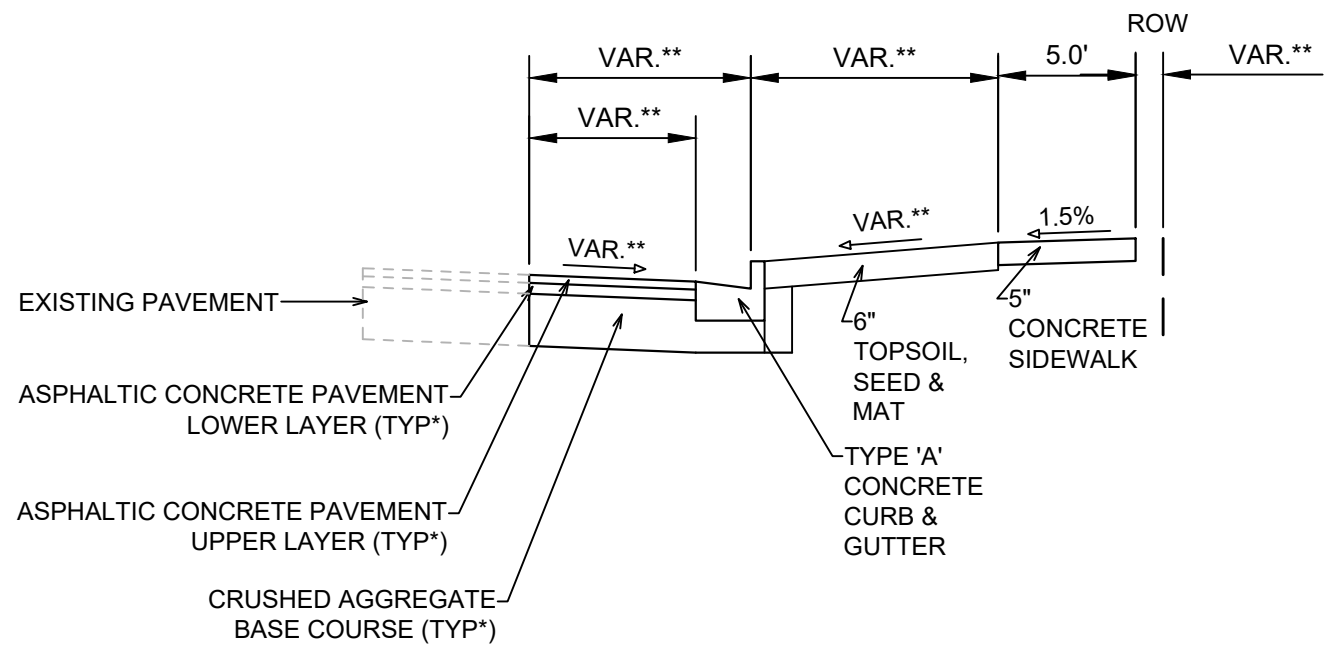
THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

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

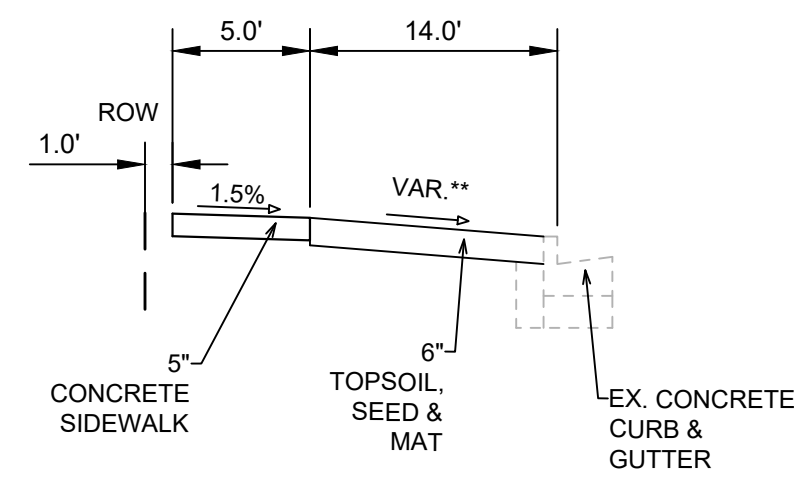
ALL WORK IN THE RIGHT OF WAY AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION



STANDARD NOTES	13438	DATE	BY
5201 OLD MIDDLETON	MADISON, WI	REVISION	
M:\DESIGN\Projects\13438\CAD\Streets\13438EN-Details.dwg	CONTRACT NO: 9015	Scale: NTS	D-1
		13438	
		13438	
		D-1	



TYPICAL SECTION
(NOT TO SCALE)
OLD MIDDLETON ROAD
STA 31+44 TO STA 33+80



TYPICAL SECTION
(NOT TO SCALE)
N. WHITNEY WAY
STA 41+01 TO STA 42+55

NOTES:
** SEE PLAN AND PROFILE FOR SLOPES, ELEVATIONS AND OFFSETS.

OLD MIDDLETON ROAD SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN †

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"

MARK	REVISION	DATE	BY
13438			
Designed By: LMC	Date: 7/29/2021 11:50 AM	Scale: NTS	D-2

13438
MADISON, WI
CONTRACT NO: 9015
M:\DESIGN\Projects\13438\CAD\Streets\13438EN-Details.dwg

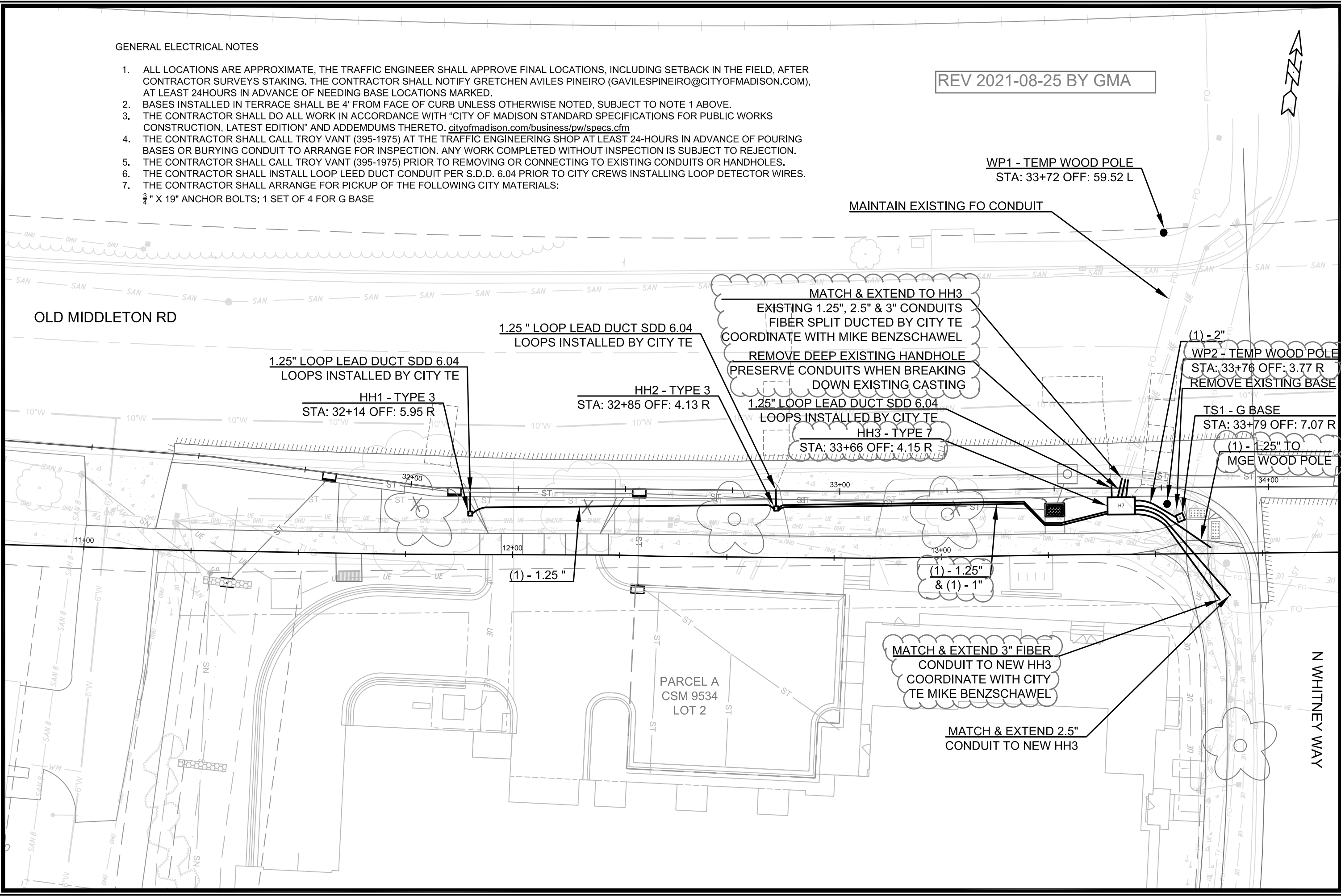


13438
D-2

GENERAL ELECTRICAL NOTES

1. ALL LOCATIONS ARE APPROXIMATE, THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS, INCLUDING SETBACK IN THE FIELD, AFTER CONTRACTOR SURVEYS STAKING. THE CONTRACTOR SHALL NOTIFY GRETCHEN AVILES PINEIRO (GAVILESPINEIRO@CITYOFMADISON.COM), AT LEAST 24HOURS IN ADVANCE OF NEEDING BASE LOCATIONS MARKED.
2. BASES INSTALLED IN TERRACE SHALL BE 4' FROM FACE OF CURB UNLESS OTHERWISE NOTED, SUBJECT TO NOTE 1 ABOVE.
3. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH "CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION" AND ADDEMDUMS THERETO, cityofmadison.com/business/pw/specs.cfm
4. THE CONTRACTOR SHALL CALL TROY VANT (395-1975) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES OR BURYING CONDUIT TO ARRANGE FOR INSPECTION. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
5. THE CONTRACTOR SHALL CALL TROY VANT (395-1975) PRIOR TO REMOVING OR CONNECTING TO EXISTING CONDUITS OR HANDHOLES.
6. THE CONTRACTOR SHALL INSTALL LOOP LEED DUCT CONDUIT PER S.D.D. 6.04 PRIOR TO CITY CREWS INSTALLING LOOP DETECTOR WIRES.
7. THE CONTRACTOR SHALL ARRANGE FOR PICKUP OF THE FOLLOWING CITY MATERIALS:
 $\frac{3}{4}$ " X 19" ANCHOR BOLTS: 1 SET OF 4 FOR G BASE

REV 2021-08-25 BY GMA

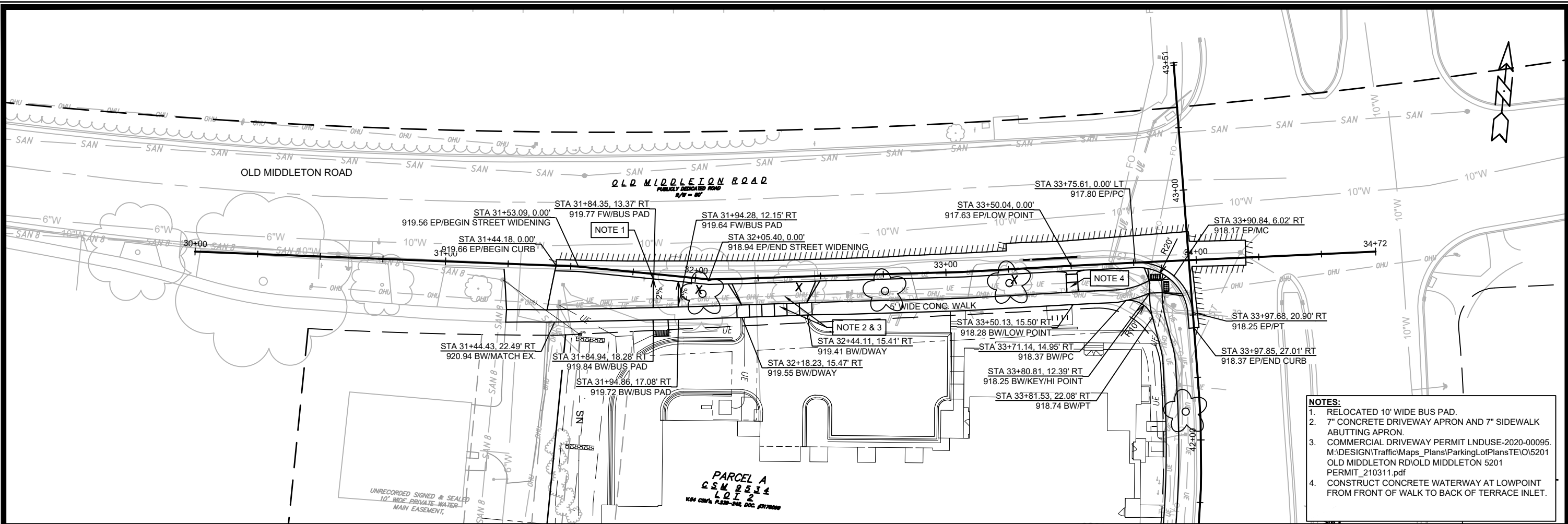


MARK	REVISION	DATE	BY
M:\DESIGN\Projects\13438\CAD\Traffic\13438TE-Electrical.dwg Designed By: GMA Date: 8/25/2021 11:04 AM Scale: 1" = 20'			E-1

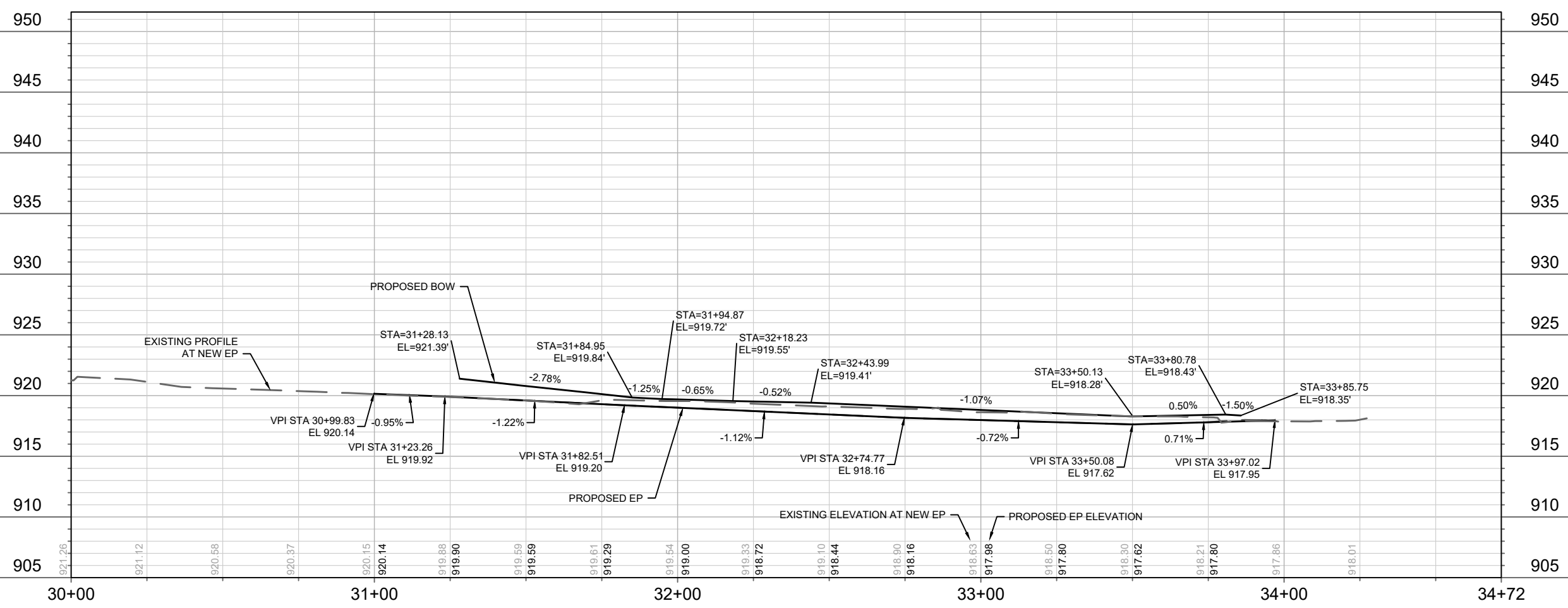
13438
 MADISON, WI
 CONTRACT NO: 9015

ELECTRICAL PLAN
 5201 OLD MIDDLETON

13438
 E-1



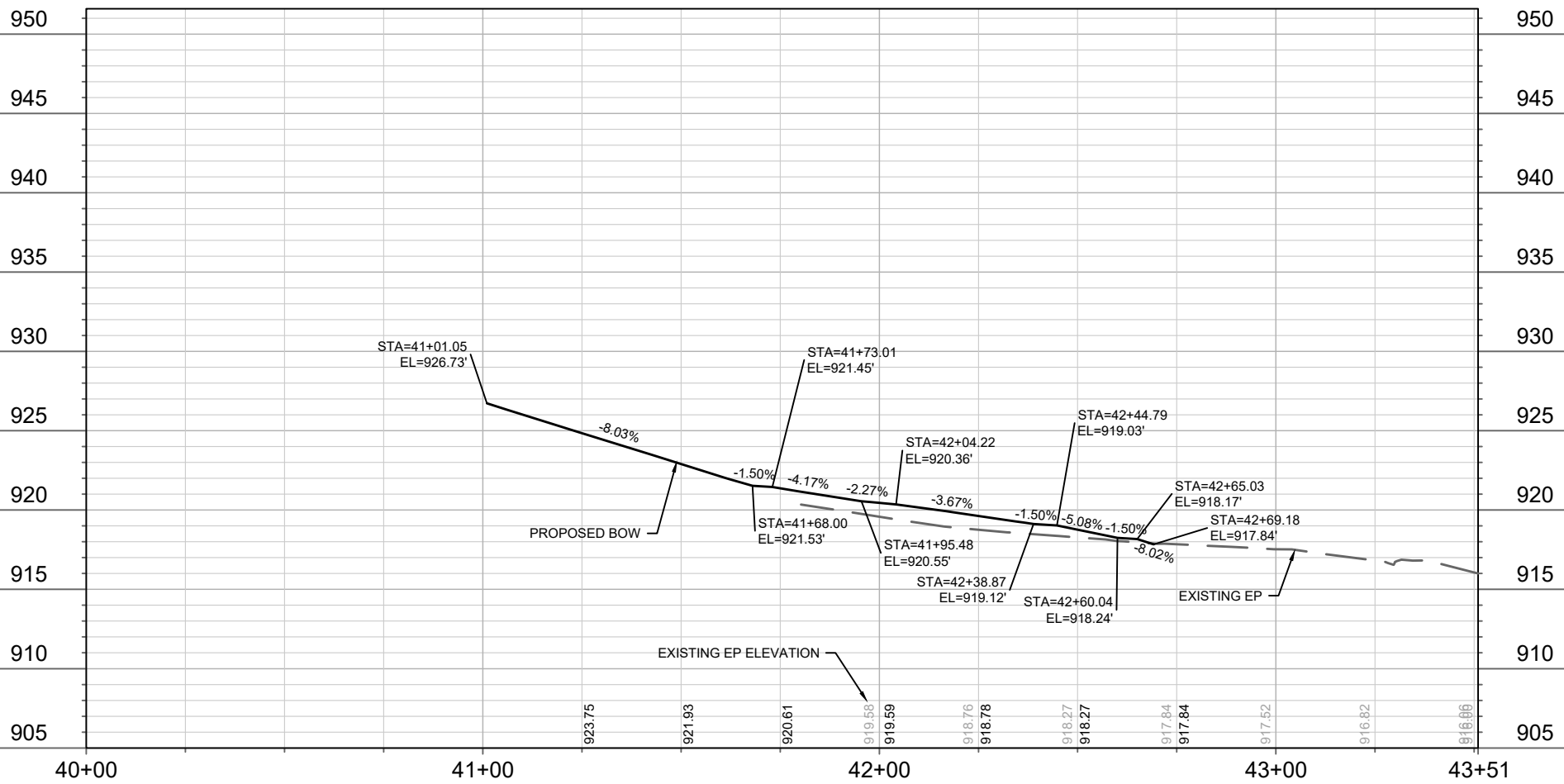
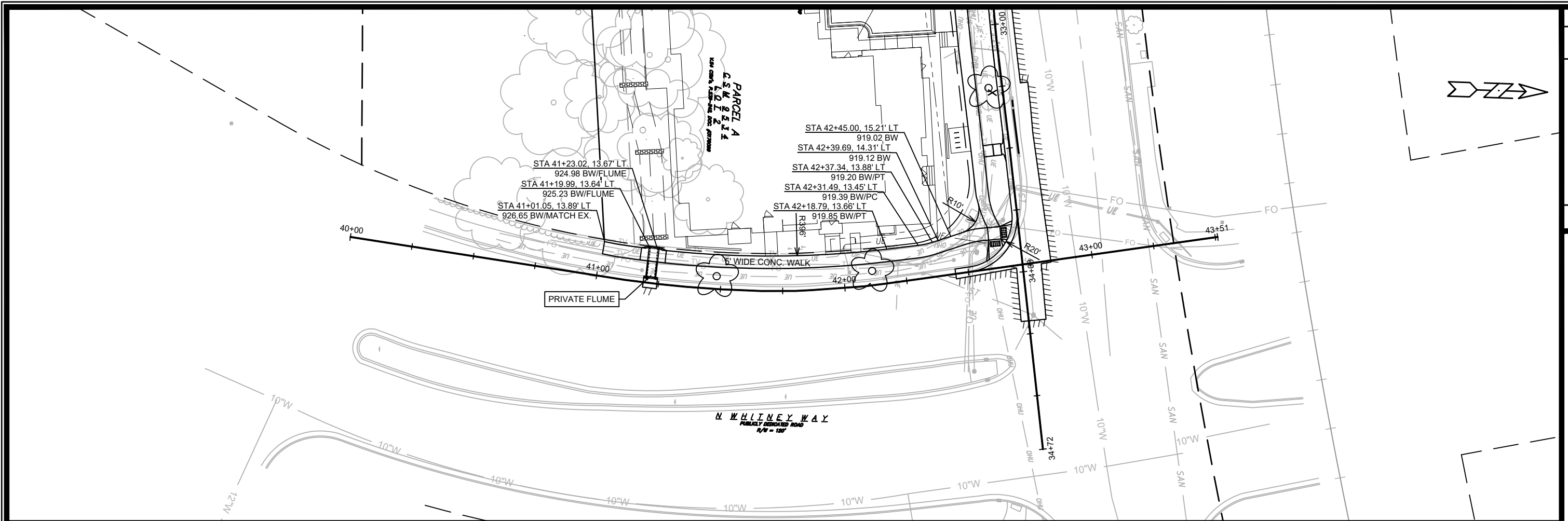
- NOTES:**
1. RELOCATED 10' WIDE BUS PAD.
 2. 7" CONCRETE DRIVEWAY APRON AND 7" SIDEWALK ABUTTING APRON.
 3. COMMERCIAL DRIVEWAY PERMIT LNDUSE-2020-00095. M:\DESIGN\Traffic\Maps_Plans\ParkingLotPlans\TE\O\5201 OLD MIDDLETON RD\OLD MIDDLETON 5201 PERMIT_210311.pdf
 4. CONSTRUCT CONCRETE WATERWAY AT LOWPOINT FROM FRONT OF WALK TO BACK OF TERRACE INLET.



13438	MADISON, WI	9015	CONTRACT NO:
13438 P-1			

OLD MIDDLETON - PLAN & PROFILE
 5201 OLD MIDDLETON
 M:\DESIGN\Projects\13438\CAD\Streets\13438EN-PnP.dwg

13438
 P-1



MARK	REVISION	DATE	BY

13438
MADISON, WI
CONTRACT NO: 9015

N. WHITNEY - PLAN & PROFILE
5201 OLD MIDDLETON
M:\DESIGN\Projects\13438\CAD\Streets\13438EN-PnP.dwg

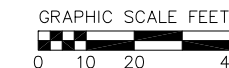


TRAFFIC CONTROL:

- IF LANE OR SIDEWALK CLOSURES ARE ANTICIPATED, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW TO THE CITY TRAFFIC ENGINEERING DIVISION AT LEAST 10 WORKING DAYS PRIOR TO WORK BEGINNING. THE TRAFFIC CONTROL PLAN SHALL COMPLY WITH ALL MUTCD REQUIREMENTS. WORK SHALL NOT PROCEED UNTIL THE TRAFFIC CONTROL PLAN HAS BEEN APPROVED. THE TRAFFIC CONTROL PLAN MAY INCLUDE BUT IS NOT LIMITED TO: LANE CLOSURE RESTRICTIONS, PEAK HOUR WORKING RESTRICTIONS, ACCESS REQUIREMENTS, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PHASING WORK AS NECESSARY TO MEET THE REQUIREMENTS OF THE APPROVED TRAFFIC CONTROL PLAN.

CITY OF MADISON
PROJECT NUMBER: 13438
CONTRACT NUMBER: 9015

REV 2021-07-26
Changes to sanitary lateral.



ABBREVIATIONS

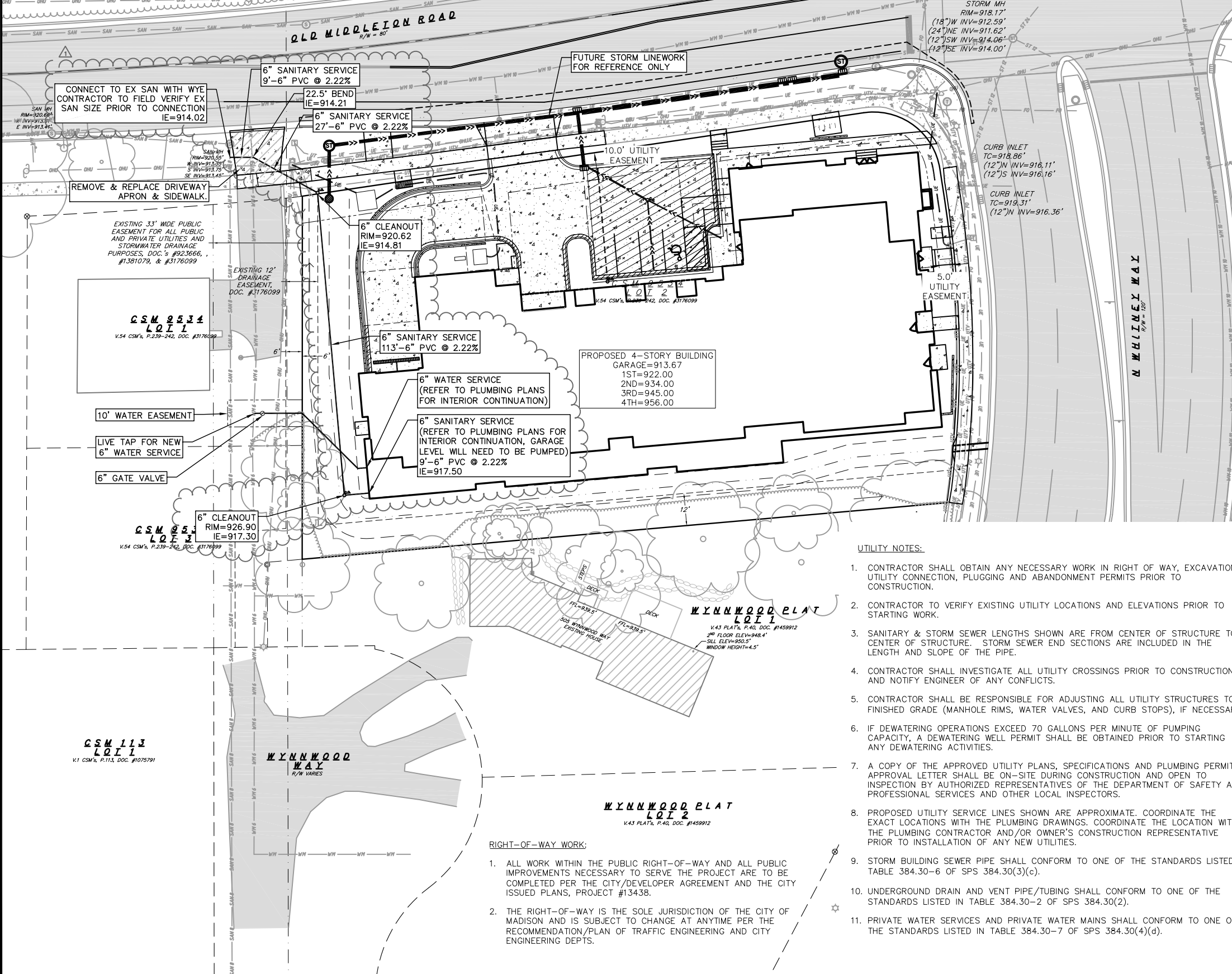
STMH	-	STORM MANHOLE
FI	-	FIELD INLET
CI	-	CURB INLET
CB	-	CATCH BASIN
EW	-	ENDWALL
SMH	-	SANITARY MANHOLE

TOPOGRAPHIC LINEWORK LEGEND

UTV	---	EXISTING UNDERGROUND CABLE TV
OHTV	---	EXISTING OVERHEAD CABLE TV
FO	---	EXISTING FIBER OPTIC LINE
OHT	---	EXISTING OVERHEAD TELEPHONE LINE
UT	---	EXISTING UNDERGROUND TELEPHONE
---	---	EXISTING RETAINING WALL
---	---	EXISTING WOOD FENCE
G	---	EXISTING GAS LINE
UE	---	EXISTING UNDERGROUND ELECTRIC LINE
GUY	---	EXISTING GUY LINE
OHE	---	EXISTING OVERHEAD ELECTRIC LINE
OBU	---	EXISTING OVERHEAD GENERAL UTILITIES
PH	---	EXISTING SANITARY FORCE MAIN (SIZE NOTED)
SAN	---	EXISTING SANITARY SEWER LINE (SIZE NOTED)
ST	---	EXISTING STORM SEWER LINE (SIZE NOTED)
---	---	EXISTING EDGE OF TREES
---	---	EXISTING WATER MAIN (SIZE NOTED)

PROPOSED UTILITY LEGEND

---	---	STORM SEWER PIPE
---	---	STORM SEWER MANHOLE
---	---	STORM SEWER CURB INLET
---	---	SANITARY SEWER LATERAL PIPE
---	---	SANITARY SEWER CLEANOUT
---	---	WATER SERVICE LATERAL PIPE
G	---	GAS MAIN
UE	---	ELECTRIC SERVICE
---	---	PROPOSED PERMEABLE PAVEMENT



UTILITY NOTES:

- CONTRACTOR SHALL OBTAIN ANY NECESSARY WORK IN RIGHT OF WAY, EXCAVATION, UTILITY CONNECTION, PLUGGING AND ABANDONMENT PERMITS PRIOR TO CONSTRUCTION.
- CONTRACTOR TO VERIFY EXISTING UTILITY LOCATIONS AND ELEVATIONS PRIOR TO STARTING WORK.
- SANITARY & STORM SEWER LENGTHS SHOWN ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. STORM SEWER END SECTIONS ARE INCLUDED IN THE LENGTH AND SLOPE OF THE PIPE.
- CONTRACTOR SHALL INVESTIGATE ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL UTILITY STRUCTURES TO FINISHED GRADE (MANHOLE RIMS, WATER VALVES, AND CURB STOPS), IF NECESSARY.
- IF DEWATERING OPERATIONS EXCEED 70 GALLONS PER MINUTE OF PUMPING CAPACITY, A DEWATERING WELL PERMIT SHALL BE OBTAINED PRIOR TO STARTING ANY DEWATERING ACTIVITIES.
- A COPY OF THE APPROVED UTILITY PLANS, SPECIFICATIONS AND PLUMBING PERMIT APPROVAL LETTER SHALL BE ON-SITE DURING CONSTRUCTION AND OPEN TO INSPECTION BY AUTHORIZED REPRESENTATIVES OF THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES AND OTHER LOCAL INSPECTORS.
- PROPOSED UTILITY SERVICE LINES SHOWN ARE APPROXIMATE. COORDINATE THE EXACT LOCATIONS WITH THE PLUMBING DRAWINGS. COORDINATE THE LOCATION WITH THE PLUMBING CONTRACTOR AND/OR OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO INSTALLATION OF ANY NEW UTILITIES.
- STORM BUILDING SEWER PIPE SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-6 OF SPS 384.30(3)(c).
- UNDERGROUND DRAIN AND VENT PIPE/TUBING SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-2 OF SPS 384.30(2).
- PRIVATE WATER SERVICES AND PRIVATE WATER MAINS SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-7 OF SPS 384.30(4)(d).

- PRIVATE SANITARY SEWER AND LATERALS SHALL BE POLYVINYL CHLORIDE (PVC) ASTM D3034 - SDR 35 OR APPROVED EQUAL MATERIAL THAT CONFORMS TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-3 OF SPS 384.30(2)(c).
- A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON METALLIC SEWERS/MAINS AND WATER SERVICES/MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED PER SPS 382.10(11)(h) AND SPS 382.40(8)(k).
- EXTERIOR WATER SUPPLY PIPING SETBACKS AND CROSSINGS SHALL BE IN ACCORDANCE WITH SPS 382.40(8)(b).
- NO PERSON MAY ENGAGE IN PLUMBING WORK IN THE STATE UNLESS LICENSED TO DO SO BY THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES PER S.145.06.
- SITE CONTRACTOR SHALL LEAVE SANITARY AND WATER LATERALS FIVE (5) FEET SHORT (HORIZONTALLY) FROM THE BUILDING. BUILDING PLUMBER SHALL VERIFY SIZE, LOCATION, AND INVERT ELEVATION OF PROPOSED SANITARY AND WATER LATERALS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE EXISTING VALVES WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. THE CITY IS NOT RESPONSIBLE FOR ANY COSTS INCURRED DUE TO THE CONTRACTOR NOT VERIFYING THAT THE EXISTING VALVE WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. IF A NEW VALVE IS REQUIRED, THE APPLICANT WILL BE REQUIRED TO INSTALL ONE AT THEIR EXPENSE, AT THE POINT OF CONNECTION.
- CONTRACTOR TO CHLORINATE AND BACTERIA TEST BEFORE DOMESTIC SUPPLY PURPOSES
- CLEAN OUT ALL EXISTING AND PROPOSED STORM INLETS AND CATCH BASINS AT THE COMPLETION OF CONSTRUCTION.
- SANITARY SEWER MAIN AT BURY DEPTHS GREATER THAN 15' SHALL BE SDR 21. ALL OTHER SANITARY SEWER MAIN SHALL BE SDR 26.
- CONTRACTOR SHALL COORDINATE WITH DRY UTILITY COMPANY'S REGARDING ANY POTENTIAL CONFLICTS AND COORDINATE RELOCATIONS AS MAY BE REQUIRED. CONTRACTOR SHALL ALSO COORDINATE THE PROPOSED INSTALLATION OF NEW FACILITIES AS REQUIRED.
- ALL WATER MAIN AND SERVICES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 6.5' FROM TOP OF FINISHED GRADE ELEVATION TO TOP OF MAIN. PROVIDE 1.5' CLEAR SEPARATION IF WATER CROSSES BELOW SEWER AND MINIMUM 0.5' IF WATER CROSSES ABOVE.

RIGHT-OF-WAY WORK:

- ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY AND ALL PUBLIC IMPROVEMENTS NECESSARY TO SERVE THE PROJECT ARE TO BE COMPLETED PER THE CITY/DEVELOPER AGREEMENT AND THE CITY ISSUED PLANS, PROJECT #13438.
- THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANYTIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DEPTS.

Utility Plan

The Whitney Reserve
5201 Old Middleton Rd
Madison, Dane County, Wisconsin

NO.	DATE	REVISIONS	REMARKS
1	7/21/2021	REVISION 1	

SCALE: AS SHOWN

DATE: 04/19/2021

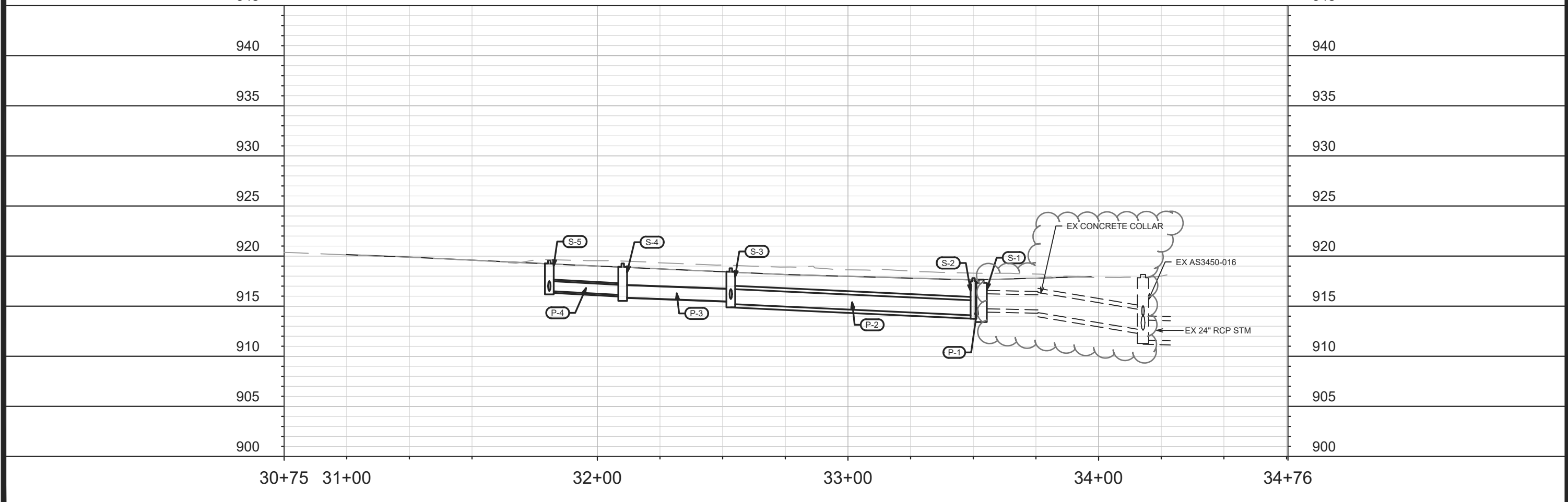
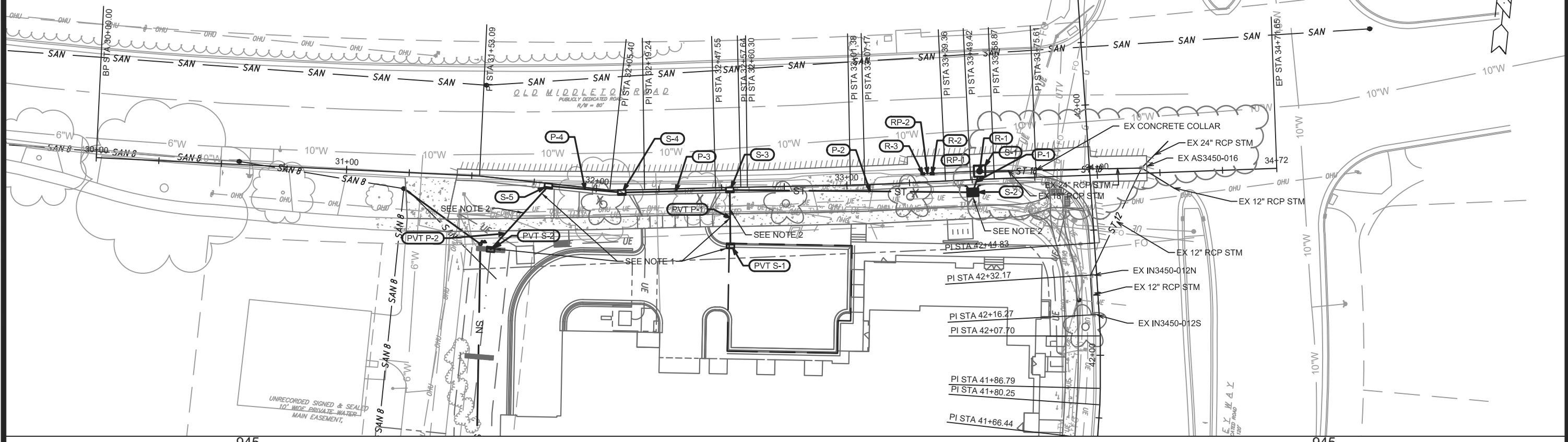
DRAFTER: ZDRE

CHECKED: JZAM

PROJECT NO.: 200155

- NOTES**
1. PRIVATE STORM FACILITIES TO BE CONSTRUCTED BY OTHERS, ONLY SHOWN FOR REFERENCE.
 2. PRIVATE UTILITY CONFLICT WITH PROPOSED STORM SEWER SYSTEM. UTILITY RELOCATION TO BE COORDINATED BY DEVELOPER.

*REV 9/30/21 LES



MARK	REVISION	DATE	BY

13438
MADISON, WI
9015
CONTRACT NO:

OLD MIDDLETON - UTILITY PLAN AND PROFILE
5201 OLD MIDDLETON
M:\DESIGN\Projects\13438\CAD\sewers\13438SWR.dwg



13438
U-2

STORM SEWER SCHEDULE

*REV 9/30/21 LES

5201 OLD MIDDLETON	SHEET NO.
PROJECT NO. 13438	U-4
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-1	33+53.13	LT-3.35	4'X4' STORM SAS	917.66	913.75	3.91	FP; W/ R-1550-0054
S-2	33+50.10	RT-5.00	TERRACE INLET TYPE 3	917.80	914.08	3.72	FP; SEE S.D.D. 5.7.12B; LP
S-3	32+53.24	RT-1.00	3'X3' STORM SAS	918.78	915.21	3.57	FP; W/ R-3067-7004V
S-4	32+10.12	RT-1.00	H INLET	919.26	915.86	3.40	W/ R-3067-7004V
S-5	31+80.83	RT-1.00	H INLET	919.60	916.51	3.09	W/ R-3067-7004V
PVT S-1	32+53.01	RT-23.28	H INLET	919.65	915.99	3.66	BY OTHERS
PVT S-2	31+60.64	RT-28.62	H INLET	920.63	916.97	3.66	BY OTHERS

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-0	T-1	S-1	912.59	913.75	65	61	1.91%	24	RCP	
P-1	S-1	S-2	914.00	914.08	9	5	1.50%	18	RCP	
P-2	S-2	S-3	914.08	915.21	97	95	1.20%	18	RCP	
P-3	S-3	S-4	915.46	915.86	43	40	1.00%	15	TYPE II STORM	
P-4	S-4	S-5	916.11	916.51	29	26	1.50%	12	RCP	
PVT P-1	S-3	PVT S-1	915.71	915.99	22	20	1.41%	12	TYPE II STORM	BY OTHERS
PVT P-2	S-5	PVT S-2	916.51	916.97	34	31	1.50%	12	TYPE II STORM	BY OTHERS

PROPOSED STORM STRUCTURE TAPS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
* T-1	AS3450-016	34+17.72	LT-2.13	4'X4' STORM SAS	

PROPOSED STORM STRUCTURE REMOVALS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
R-1	IN3450-011	33+53.15	LT-3.22	H INLET	
R-2	IN3450-010(1)	33+34.24	LT-3.29	H INLET	
R-3	IN3450-010(2)	33+30.45	LT-3.34	H INLET	

PROPOSED STORM PIPE REMOVALS

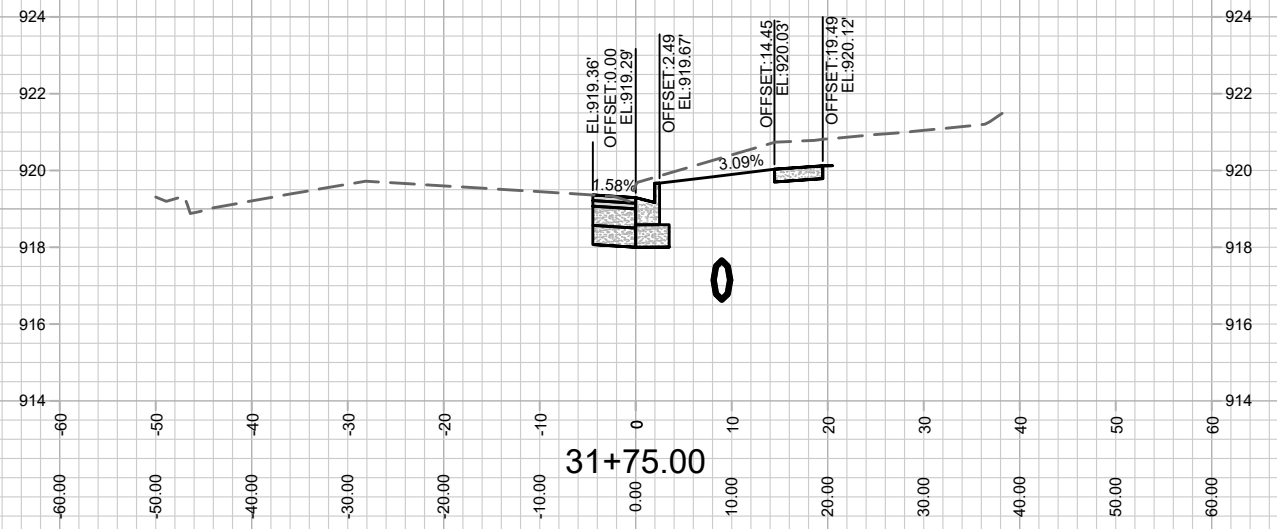
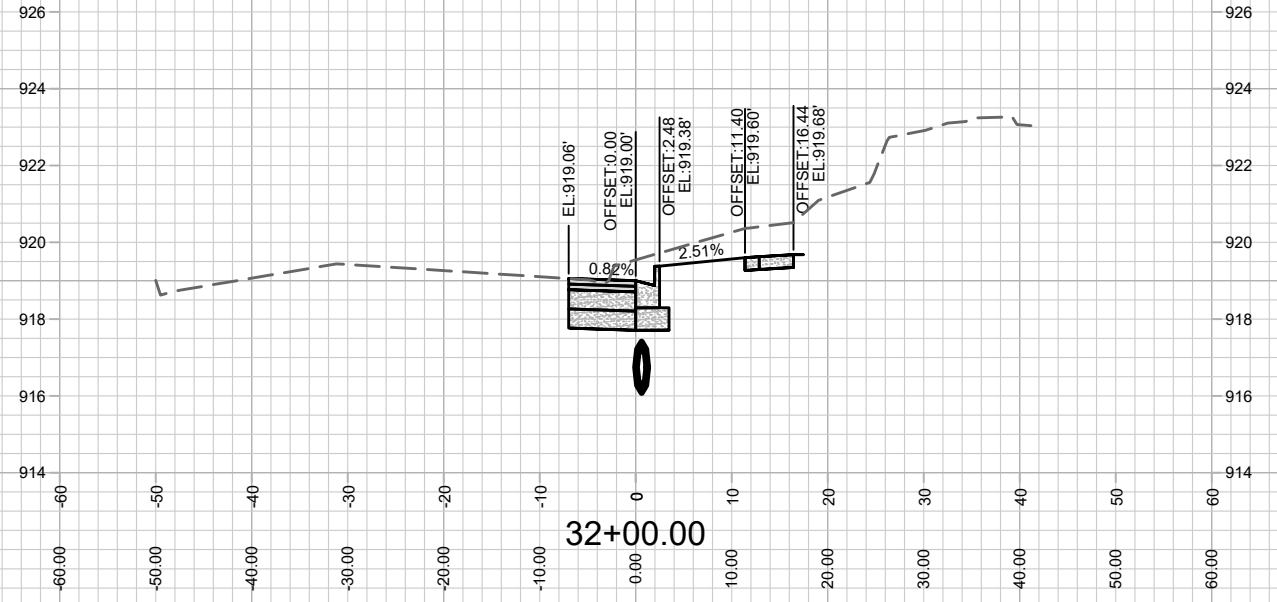
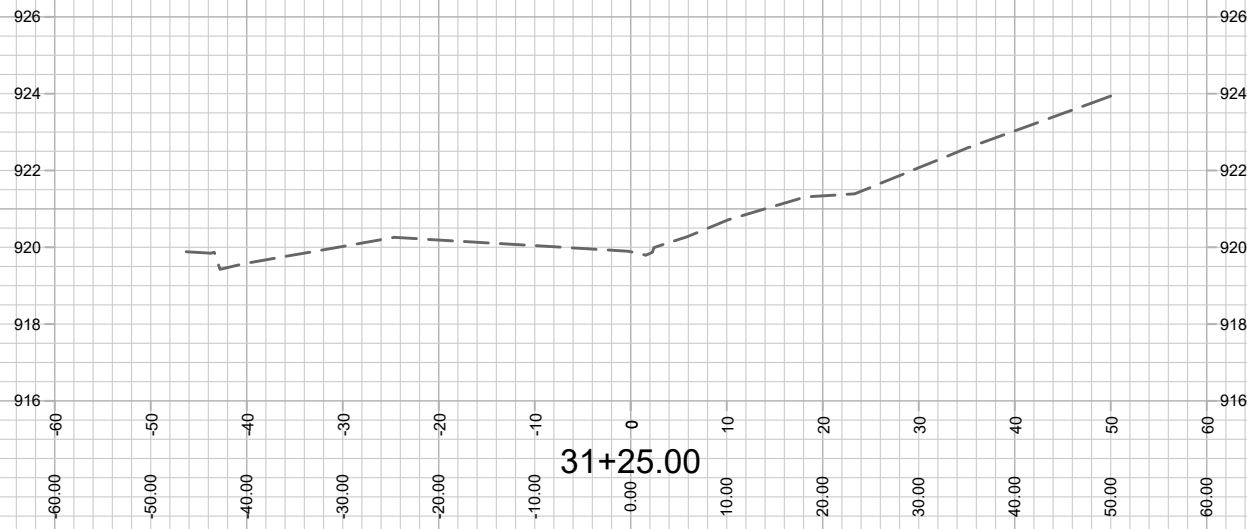
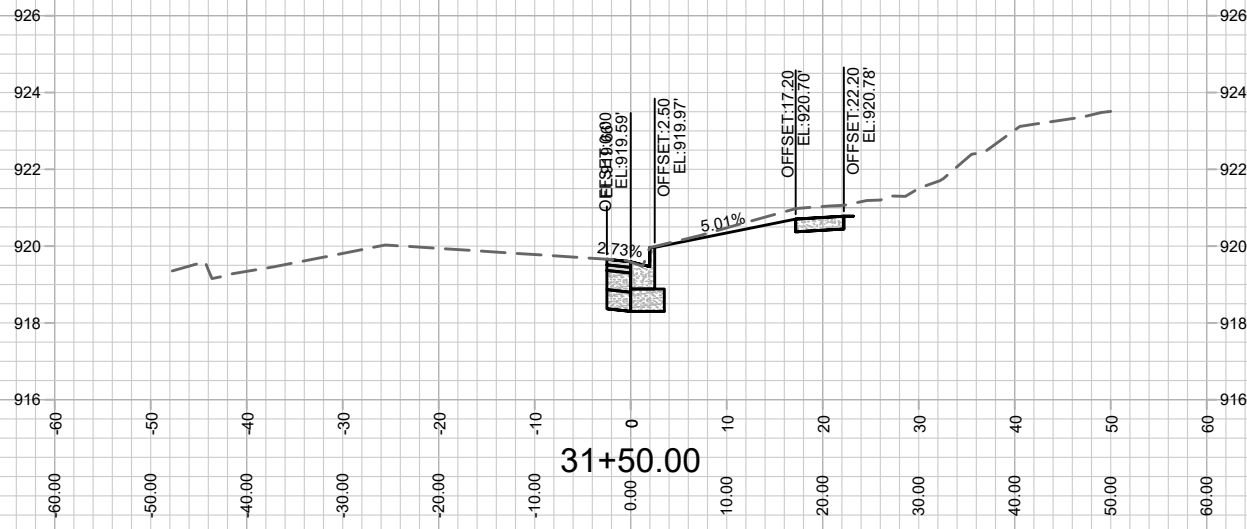
REMOVAL NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
* RP-0	T-1	R-1	65	18	RCP	N	
RP-1	R-1	R-2	19	15	RCP	Y	
RP-2	R-2	R-3	4	12	RCP	Y	

SPECIFIC NOTES:

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 LAUREN STRIEGL OF CITY ENGINEERING AT (608) 266-4094 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO LSTRIEGL@CITYOFMADISON.COM.
- ALL REBAR FOR FIELD POUR STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE.



MARK	REVISION	DATE	BY

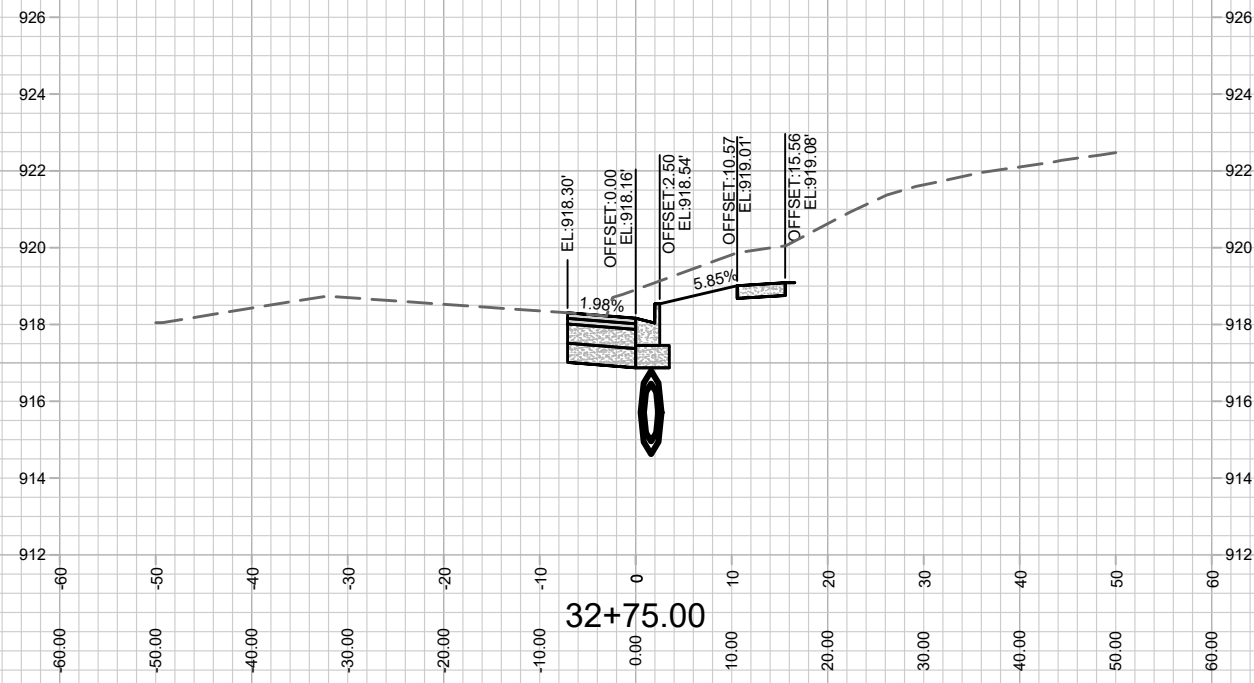
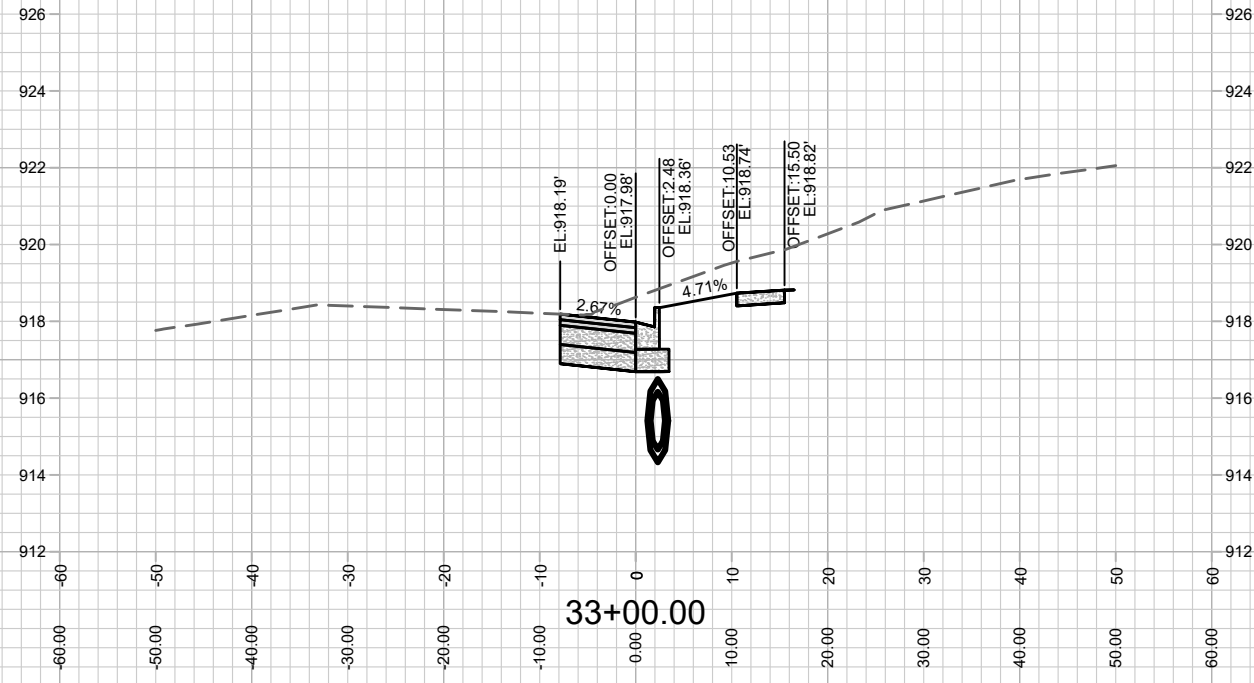
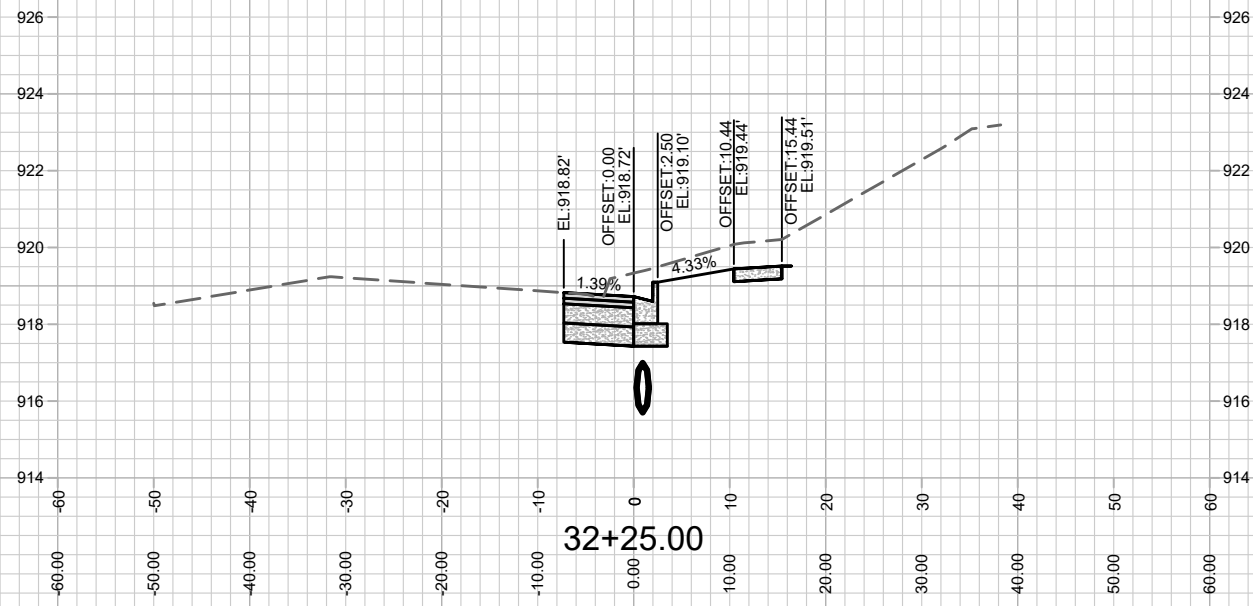
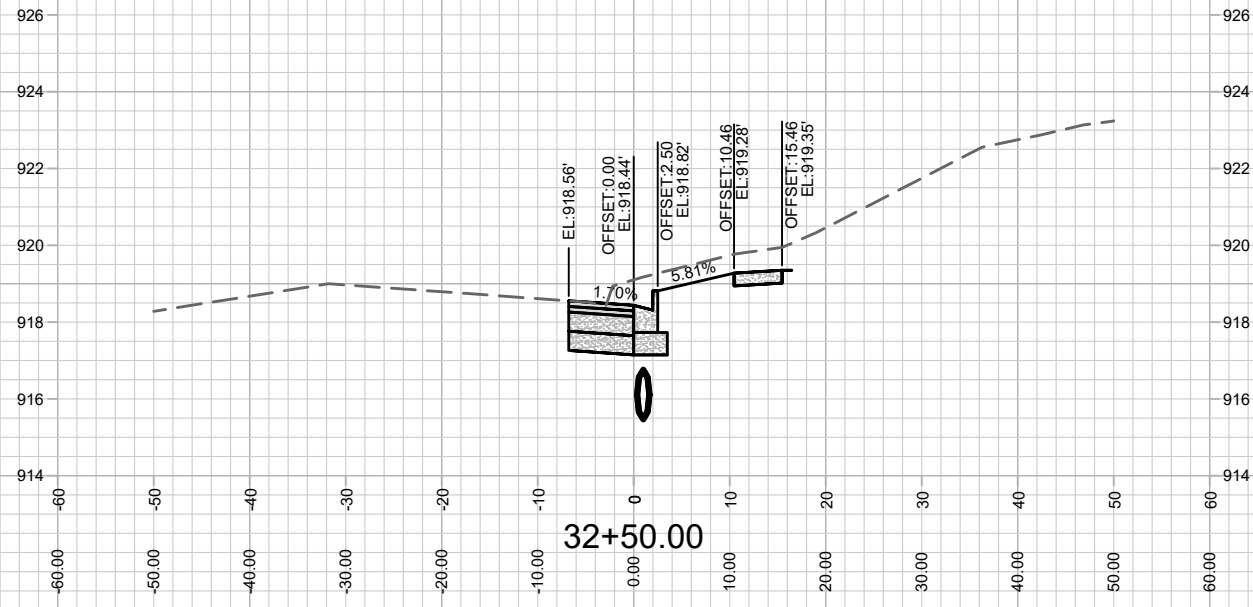
13438
MADISON, WI
9015
CONTRACT NO:

OLD MIDDLETON CROSS SECTION
5201 OLD MIDDLETON
M:\DESIGN\Projects\13438\CAD\Streets\13438EN-Corridor.dwg



13438
X-1

Designed By: ##
13438
Scale: #####
X-1



MARK	REVISION	DATE	BY

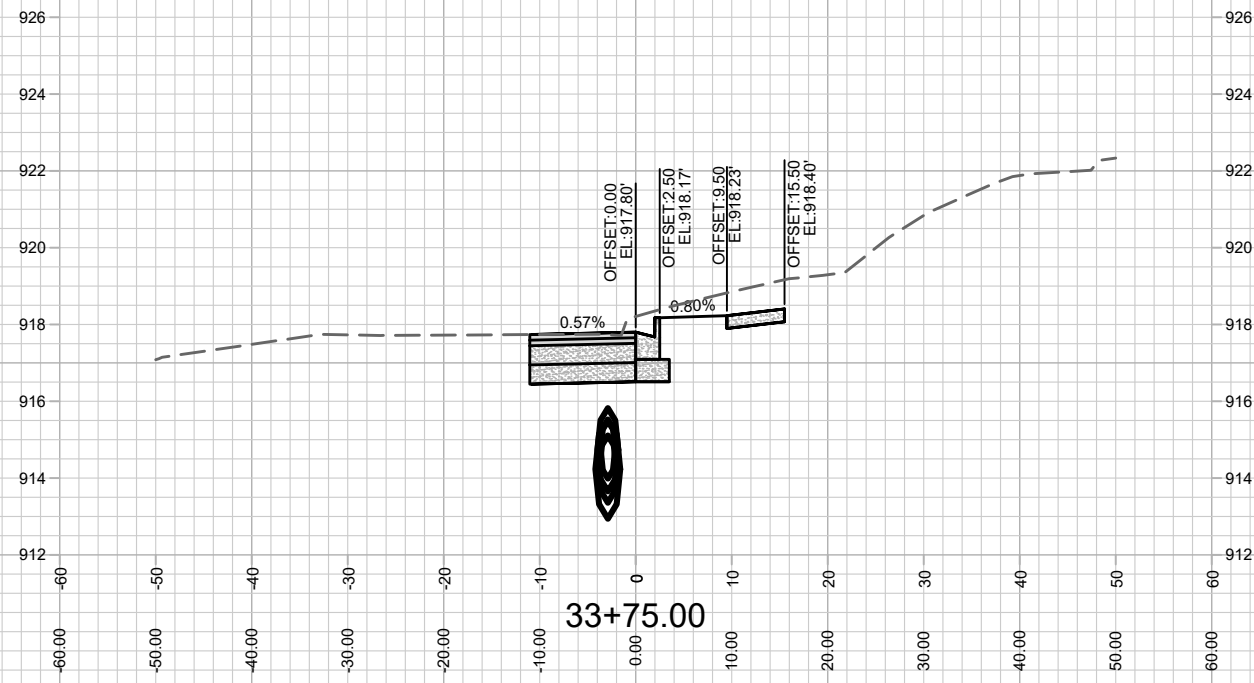
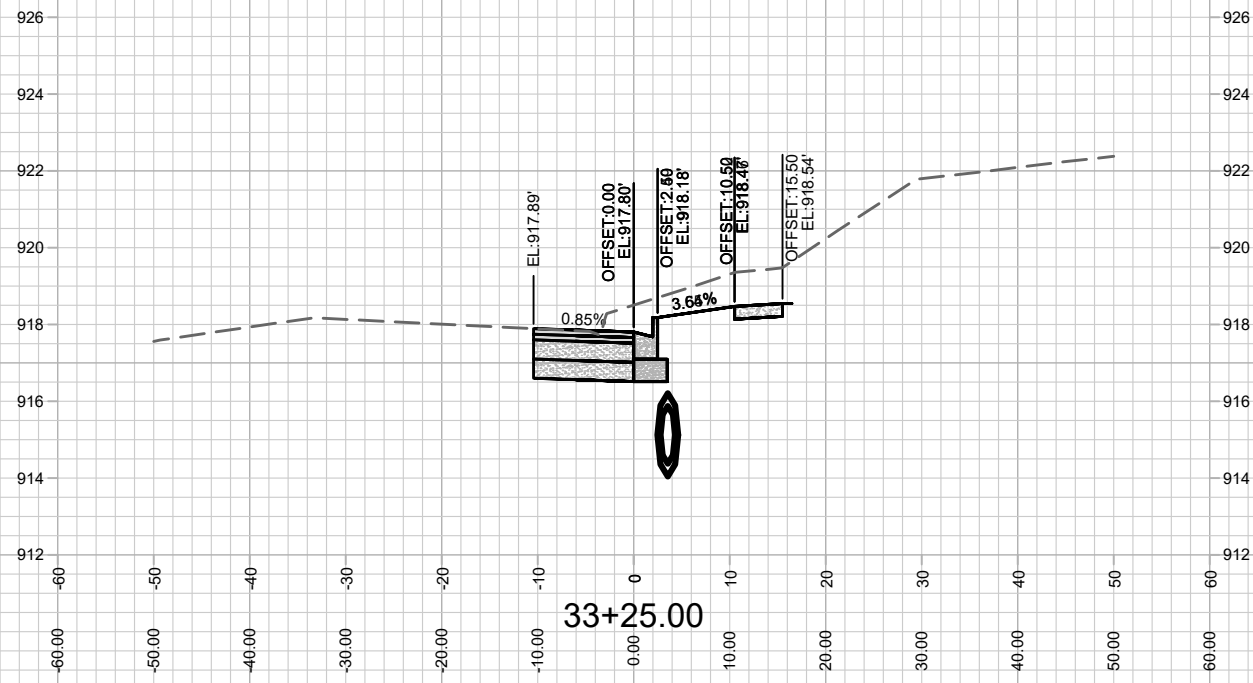
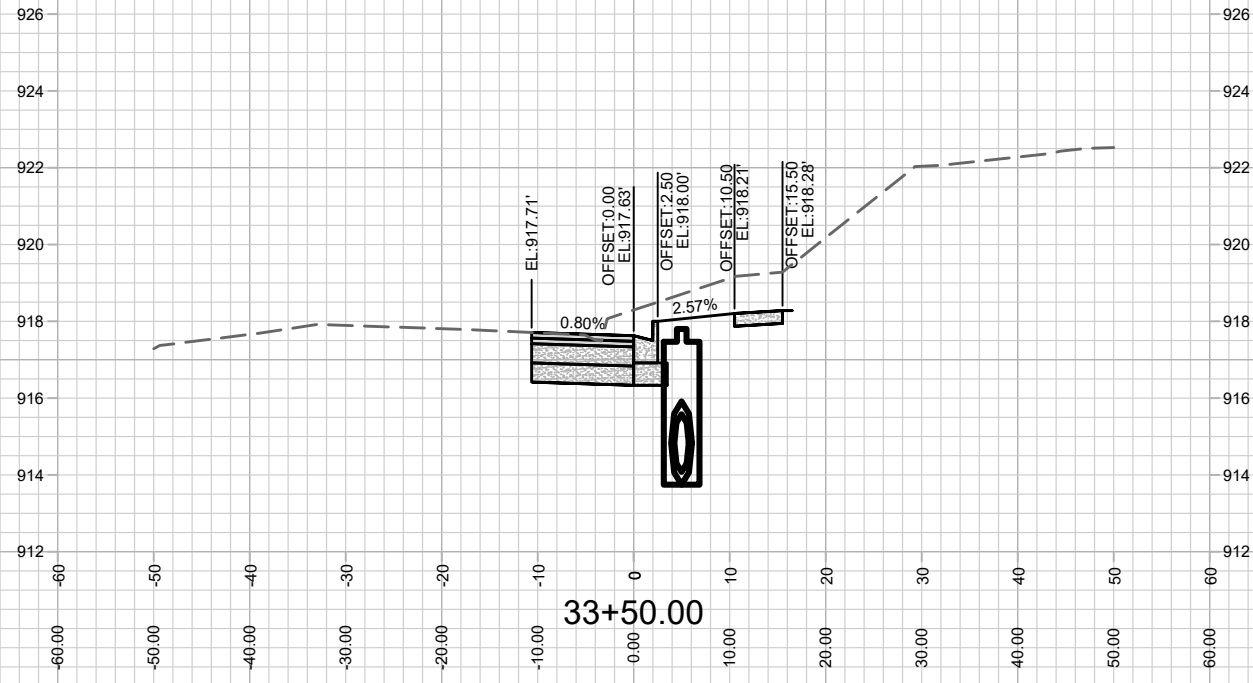
Designed By: ###
Date: 8/11/2021 3:12 PM
Scale: #####
13438
X-2

13438
MADISON, WI
9015
CONTRACT NO:

OLD MIDDLETON CROSS SECTION
5201 OLD MIDDLETON
M:\DESIGN\Projects\13438\CAD\Streets\13438EN-Corridor.dwg



13438
X-2



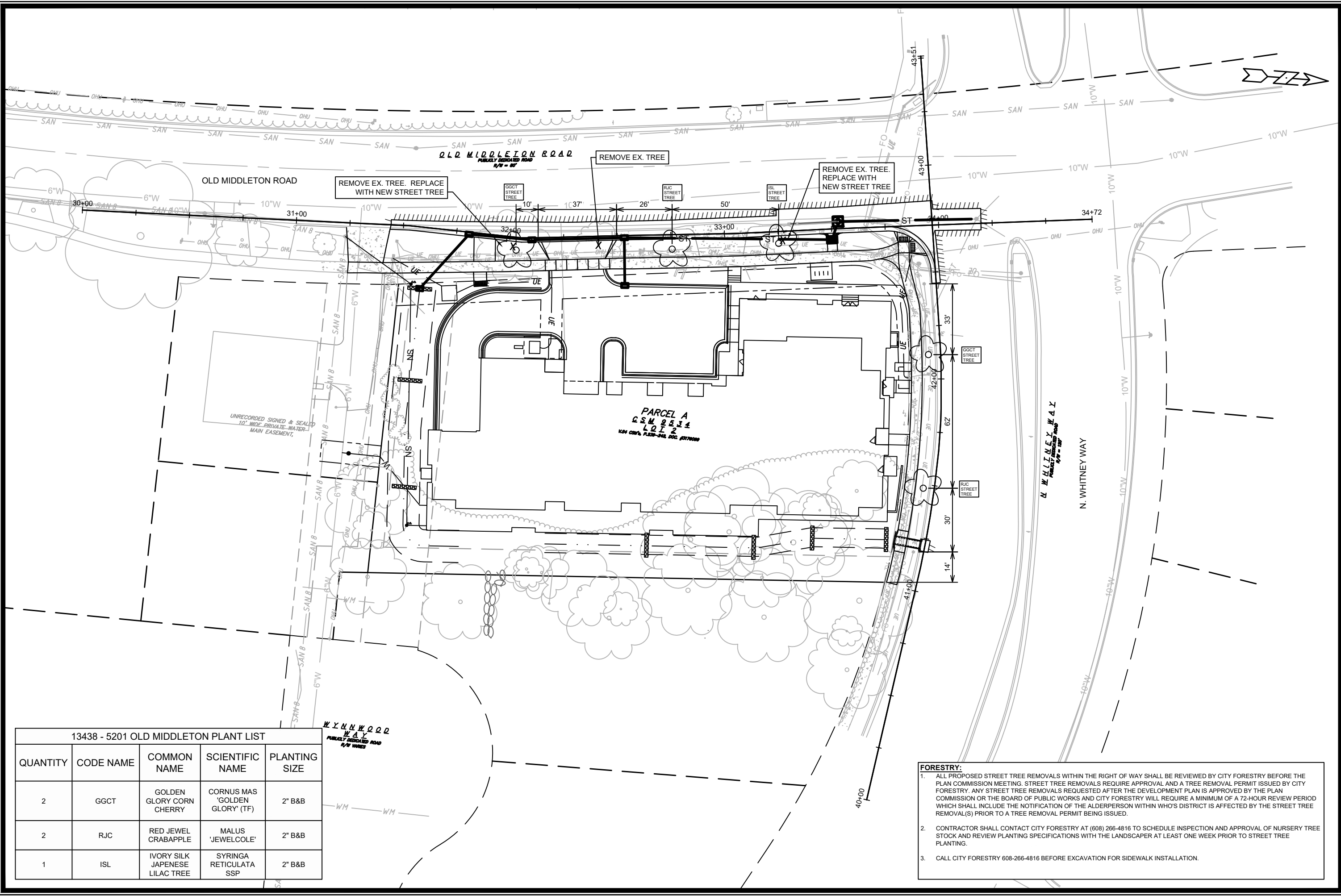
MARK	REVISION	DATE	BY
13438	13438	11/2/2021	3:12 PM
Designed By: ###			Scale: #####
Contract No: 9015			X-3

13438
MADISON, WI
CONTRACT NO: 9015

OLD MIDDLETON CROSS SECTION
5201 OLD MIDDLETON
M:\DESIGN\Projects\13438\CAD\Streets\13438EN-Corridor.dwg



13438
X-3



13438 - 5201 OLD MIDDLETON PLANT LIST

QUANTITY	CODE NAME	COMMON NAME	SCIENTIFIC NAME	PLANTING SIZE
2	GGCT	GOLDEN GLORY CORN CHERRY	CORNUS MAS 'GOLDEN GLORY' (TF)	2" B&B
2	RJC	RED JEWEL CRABAPPLE	MALUS 'JEWELCOLE'	2" B&B
1	ISL	IVORY SILK JAPANESE LILAC TREE	SYRINGA RETICULATA SSP	2" B&B

FORESTRY:

- 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.
- CONTRACTOR SHALL CONTACT CITY FORESTRY AT (608) 266-4816 TO SCHEDULE INSPECTION AND APPROVAL OF NURSERY TREE STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER AT LEAST ONE WEEK PRIOR TO STREET TREE PLANTING.
- CALL CITY FORESTRY 608-266-4816 BEFORE EXCAVATION FOR SIDEWALK INSTALLATION.

LANDSCAPING PLAN	13438	MADISON, WI	9015	CONTRACT NO:
5201 OLD MIDDLETON	M:\DESIGN\Projects\13438\CAD\Streets\13438EN-Landscape.dwg			
13438				
L-1				