

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

SECOND ADDITION TO THE MEADOWLANDS: PHASE 11

CITY PROJECT NO. 11748

CONTRACT NO. 8042

MUNIS NO. 11748

FULL PLAN SET REVISION

INDEX OF SHEETS

SHEET NO.	NOTES AND DETAILS
D1-D4	NOTES AND DETAILS
E1	ELECTRICAL PLAN
P1-P5	STREET PLAN & PROFILES
U1-U5	UTILITY PLAN & PROFILES
USAN	SANITARY SEWER SCHEDULE
USTM	STORM SEWER SCHEDULE
W1-W7	WATER PLANS
X1-X4	CROSS SECTIONS
MN1	MAINTENANCE MAP

PUBLIC IMPROVEMENT PROJECT APPROVED

FEBRUARY 4, 2020

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Greg Fries Dec 7, 2020

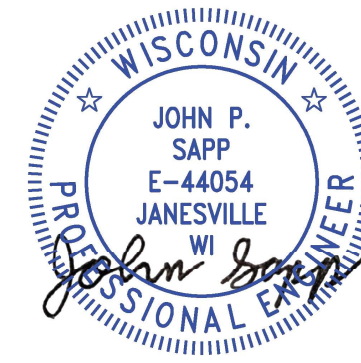
City Engineer Date

STREET GEOMETRY DESIGNED BY:



Dec 7, 2020

STREET GRADES DESIGNED BY:



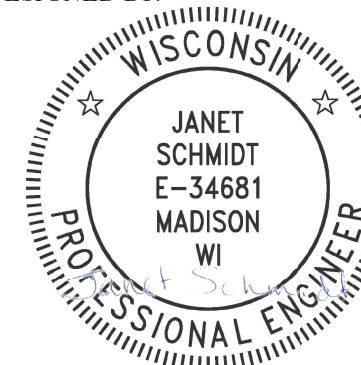
Dec 7, 2020

ELECTRICAL DESIGNED BY:



Dec 7, 2020

STORM SEWER DESIGNED BY:



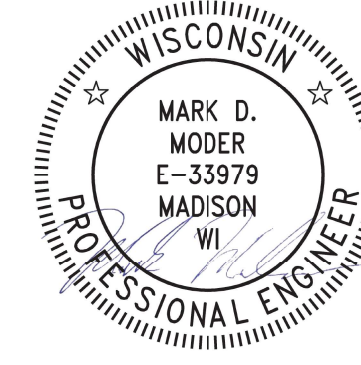
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WATER DESIGNED BY:



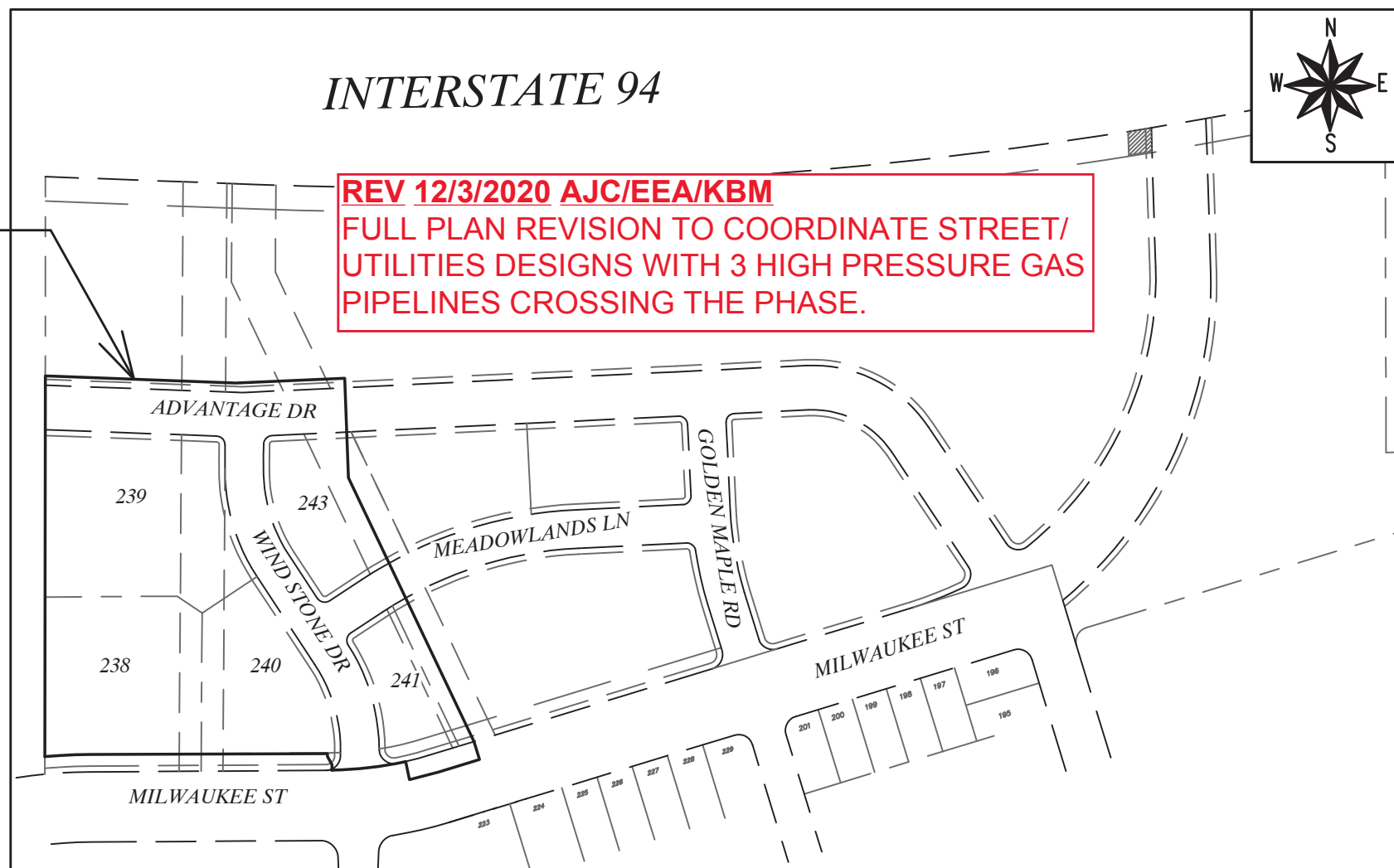
Dec 7, 2020

SANITARY SEWER DESIGNED BY:



Dec 7, 2020

PHASE 11






PLOT SCALE: 1 IN. = 1 FT. XREF
REV. DATE: 11/24/2020 7:43 AM

ORIGINATOR: CITY_OF_MADISON

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, REFERING 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 WIND STONE DRIVE & MEADOWLANDS LANE RIGHTS-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE ADVANTAGE DRIVE RIGHT-OF-WAY SHALL BE TYPE B PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE MILWAUKEE STREET RIGHT-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 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



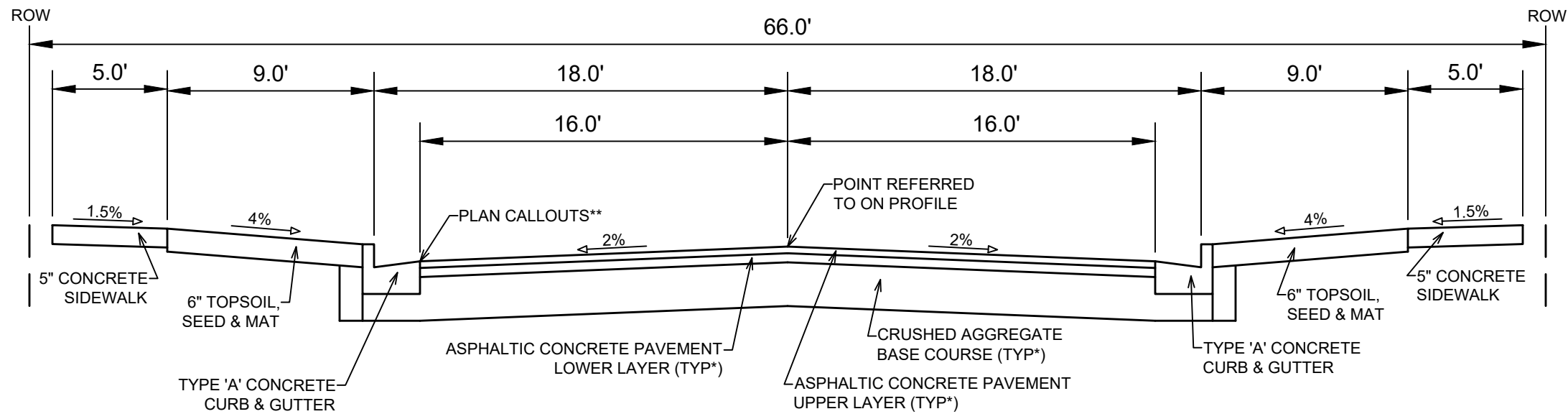
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11748
MADISON, WI
8042
CONTRACT NO:

STANDARD NOTES AND COMMENTS
THE MEADOWLANDS: PHASE 11
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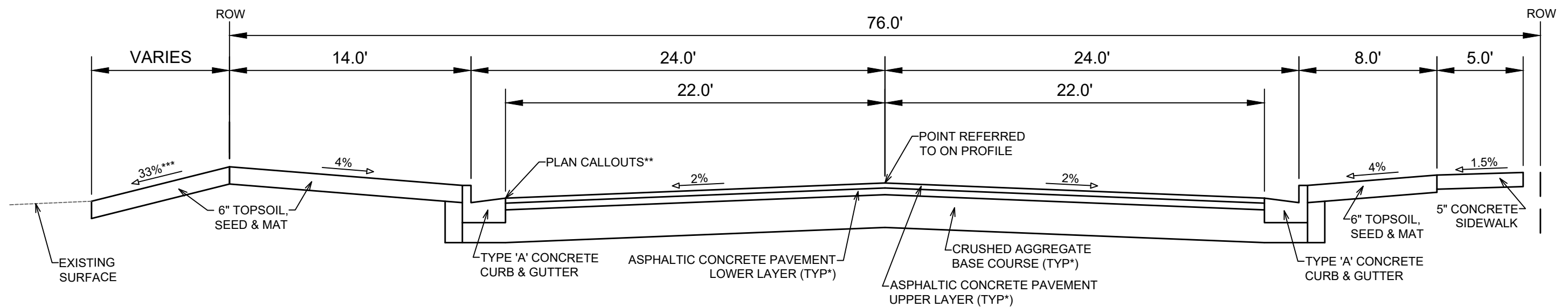


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D-1



TYPICAL SECTION

WIND STONE DRIVE
MEADOWLANDS LANE



TYPICAL SECTION

ADVANTAGE DRIVE

NOTES:

- * WIND STONE DRIVE AND MEADOWLANDS LANE SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN†
- * ADVANTAGE DRIVE SHALL BE CONSTRUCTED AS TYPE 'B' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN†

** STATION OFFSET ELEVATION CALLOUTS AT **EDGE OF PAVEMENT**

*** DAYLIGHT TO EXISTING SURFACE, MAX GRADE 3:1

- THE DEVELOPER SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 11.
SEE CONTRACT NO. 8042, PROJECT NO. 11748

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
8042
CONTRACT NO:

TYPICAL SECTION
THE MEADOWLANDS: PHASE 11
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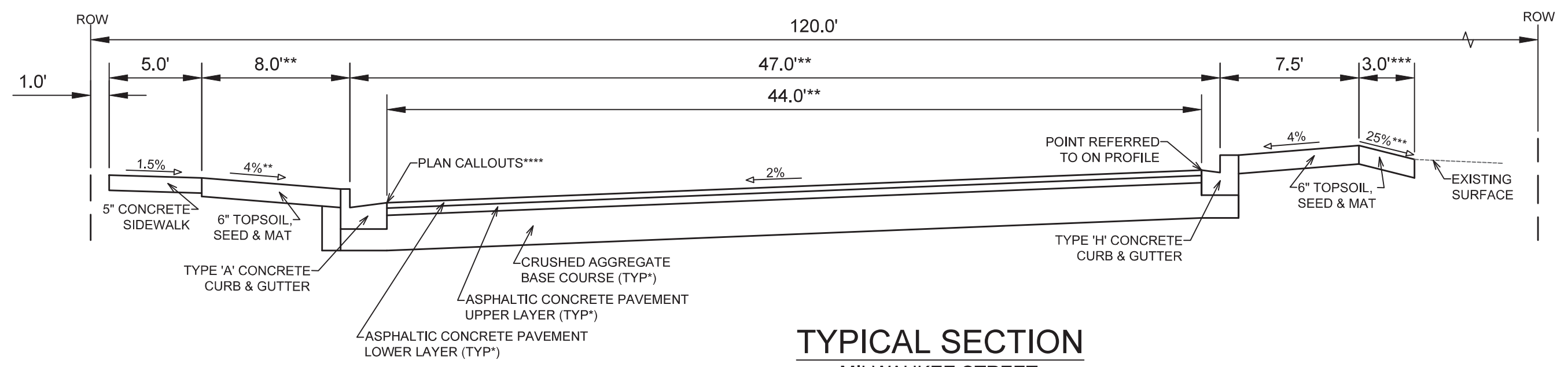


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TYPICAL SECTION
THE MEADOWLANDS: PHASE 11
CITY OF MADISON
11748
D-3

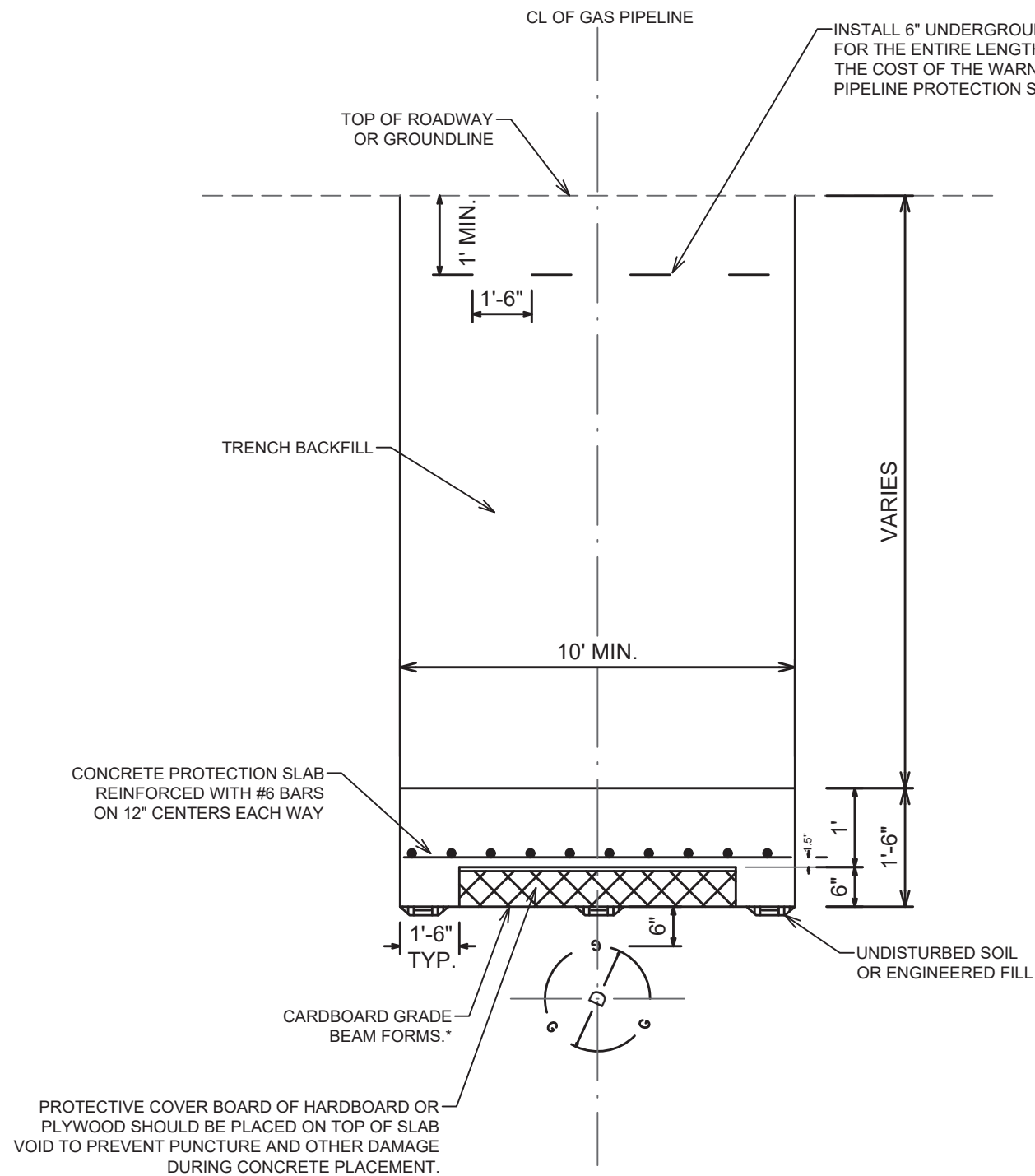


TYPICAL SECTION
MILWAUKEE STREET
STA 16+66 TO STA 17+99

NOTES:
 * MILWAUKEE STREET SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN†
 ** SEE PLAN AND PROFILE FOR SLOPES, ELEVATIONS AND OFFSETS
 *** DAYLIGHT TO EXISTING SURFACE, MAX GRADE 4:1
 **** STATION OFFSET ELEVATION CALLOUTS AT **EDGE OF PAVEMENT**
 - THE DEVELOPER SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 11. SEE CONTRACT NO. 8042, PROJECT NO. 11748

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"



NOTES:

1. ALL TRENCH BACKFILL SHALL BE NATIVE MATERIALS FREE OF LARGE ROCKS, ORGANICS, OR OTHER DEBRIS AND SHALL BE PLACED IN 8" THICK OF LIFTS AND COMPACTED TO 95% OF A MODIFIED PROCTOR.
 2. NO GROUND DISTURBANCE SHALL BE MADE WITHIN TC ENERGY'S RIGHT OR WAY OR WITHIN 25FT., MEASURED AT RIGHT ANGLES, OF OUR PIPELINE(S) EXCEPT IN THE PRESENCE A TC ENERGY REPRESENTATIVE.
 3. NOTICE OF AT LEAST SEVENTY-TWO (72) HOURS IN ADVANCE OF CONSTRUCTION MUST BE PROVIDED. CONTRACTOR MUST CONTACT TC ENERGY FIELD REPRESENTATIVE JASON JENSEN AT (608) 449-4640. TC ENERGY WILL ARRANGE FOR A REPRESENTATIVE TO BE ON SITE WHEN WORK IS OCCURRING ON OR NEAR THE RIGHT OF WAY AREA, OF WITHIN 25FT OF THE PIPELINES. AFTER HOURS CALL 1-800-447-8066
- * SUREVOID PRODUCTS SLAB VOID HEAVY DUTY STRENGTH WORKING LOAD OF 1500 PSF. END CAPS REQUIRED.

UTILITY PROTECTION CONCRETE PAD DETAIL

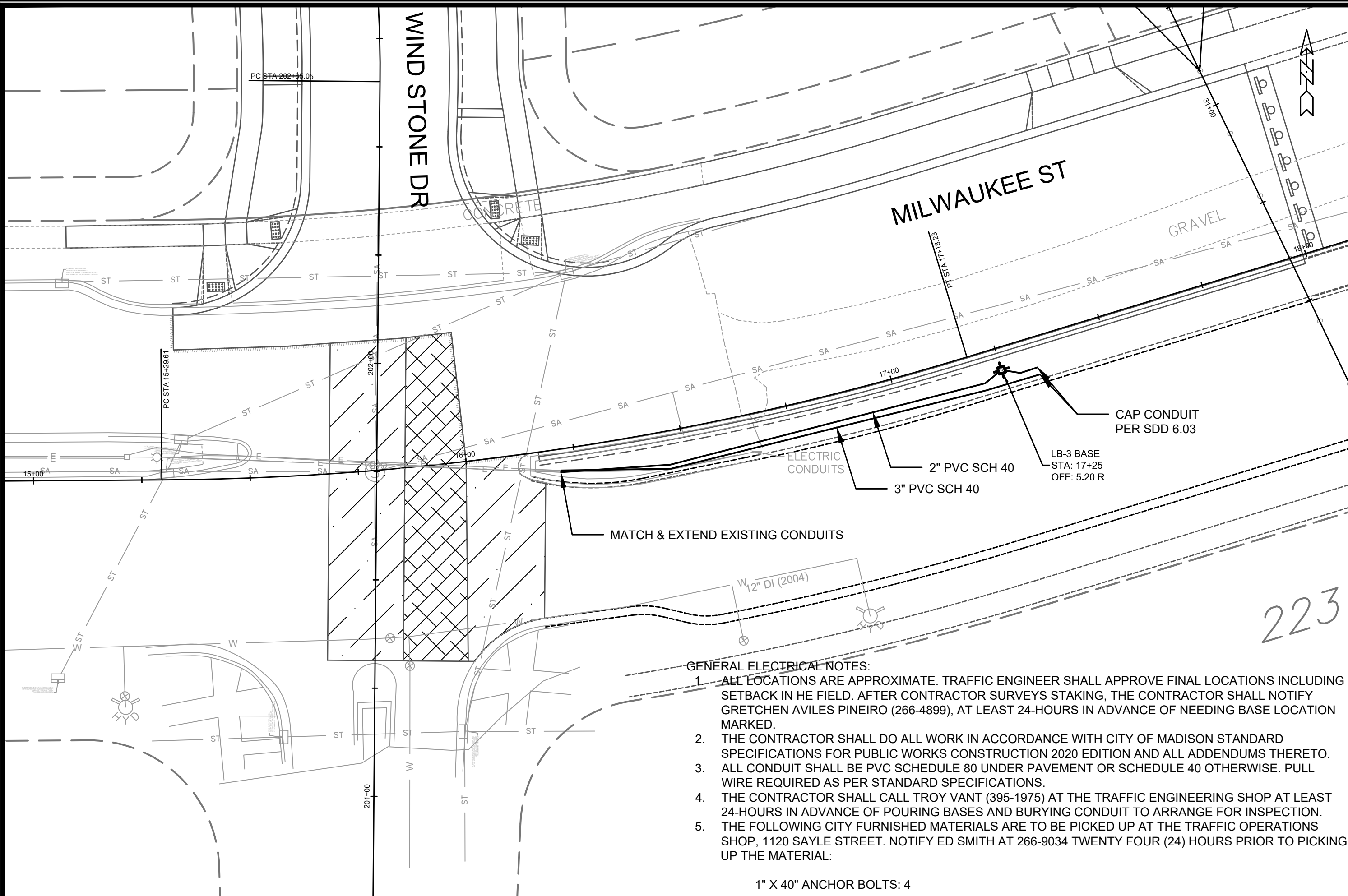
DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 MINIMUM FEDERAL SAFETY STANDARDS AND ASME GUIDE FOR GAS PIPING SYSTEMS, LATEST EDITION.

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UTILITY PROTECTION CONCRETE PAD DETAIL
 THE MEADOWLANDS: PHASE 11
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 MADISON, WI
 8042
 CONTRACT NO:
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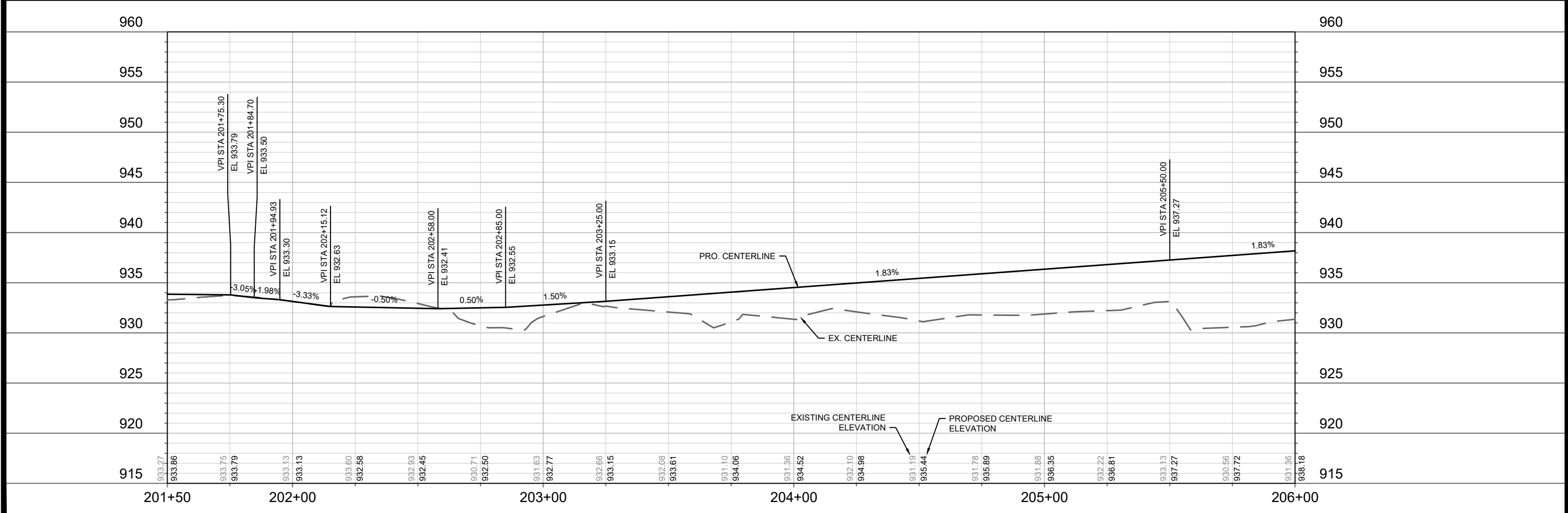
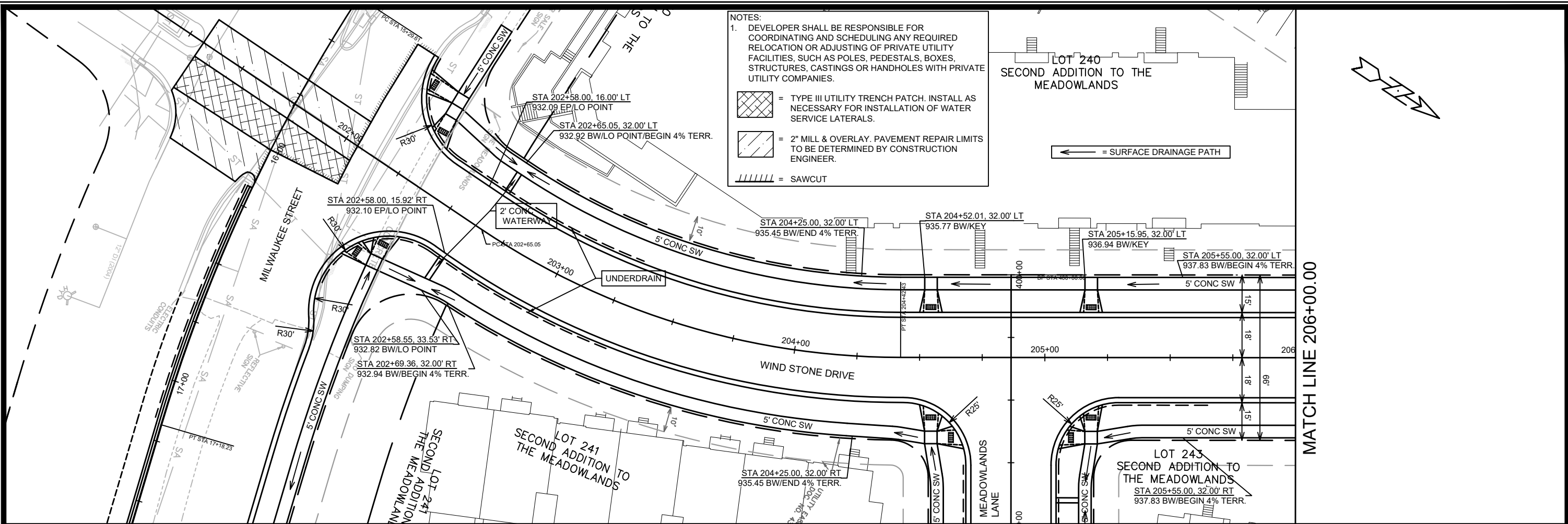


- GENERAL ELECTRICAL NOTES:**
1. ALL LOCATIONS ARE APPROXIMATE. TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS INCLUDING SETBACK IN THE FIELD. AFTER CONTRACTOR SURVEYS STAKING, THE CONTRACTOR SHALL NOTIFY GRETCHEN AVILES PINEIRO (266-4899), AT LEAST 24-HOURS IN ADVANCE OF NEEDING BASE LOCATION MARKED.
 2. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 2020 EDITION AND ALL ADDENDUMS THERETO.
 3. ALL CONDUIT SHALL BE PVC SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
 4. THE CONTRACTOR SHALL CALL TROY VANT (395-1975) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES AND BURYING CONDUIT TO ARRANGE FOR INSPECTION.
 5. THE FOLLOWING CITY FURNISHED MATERIALS ARE TO BE PICKED UP AT THE TRAFFIC OPERATIONS SHOP, 1120 SAYLE STREET. NOTIFY ED SMITH AT 266-9034 TWENTY FOUR (24) HOURS PRIOR TO PICKING UP THE MATERIAL:

1" X 40" ANCHOR BOLTS: 4

223

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11748		12/22/2020 8:55 AM	
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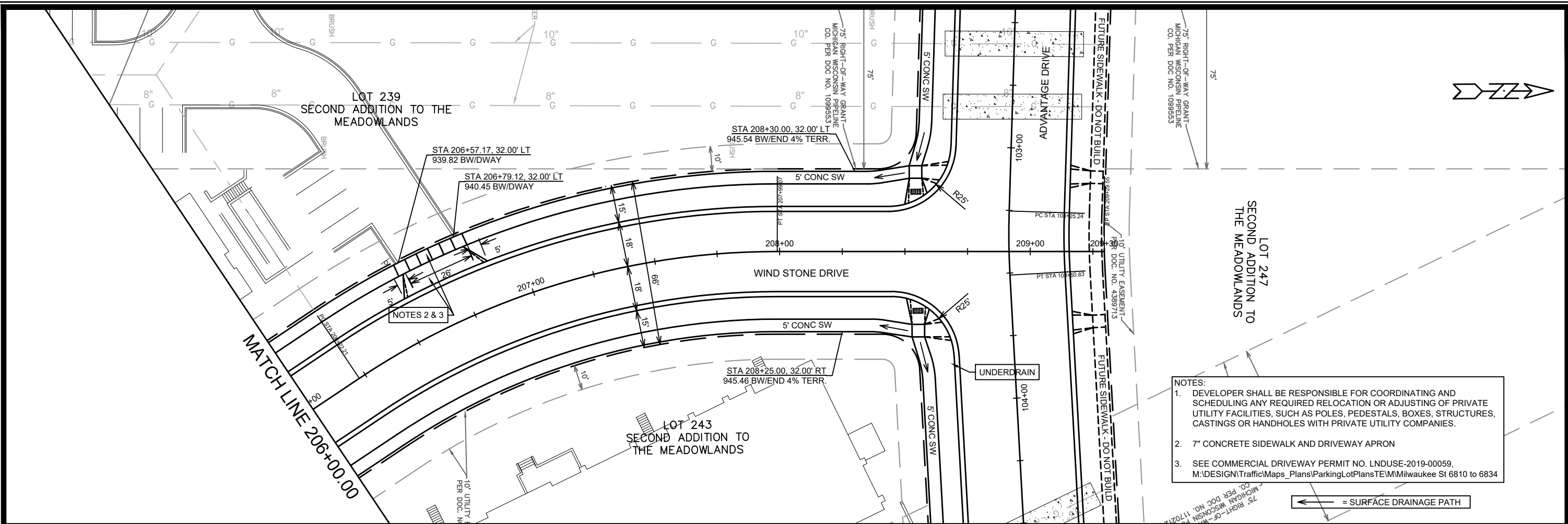


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 CONTRACT NO: 8042

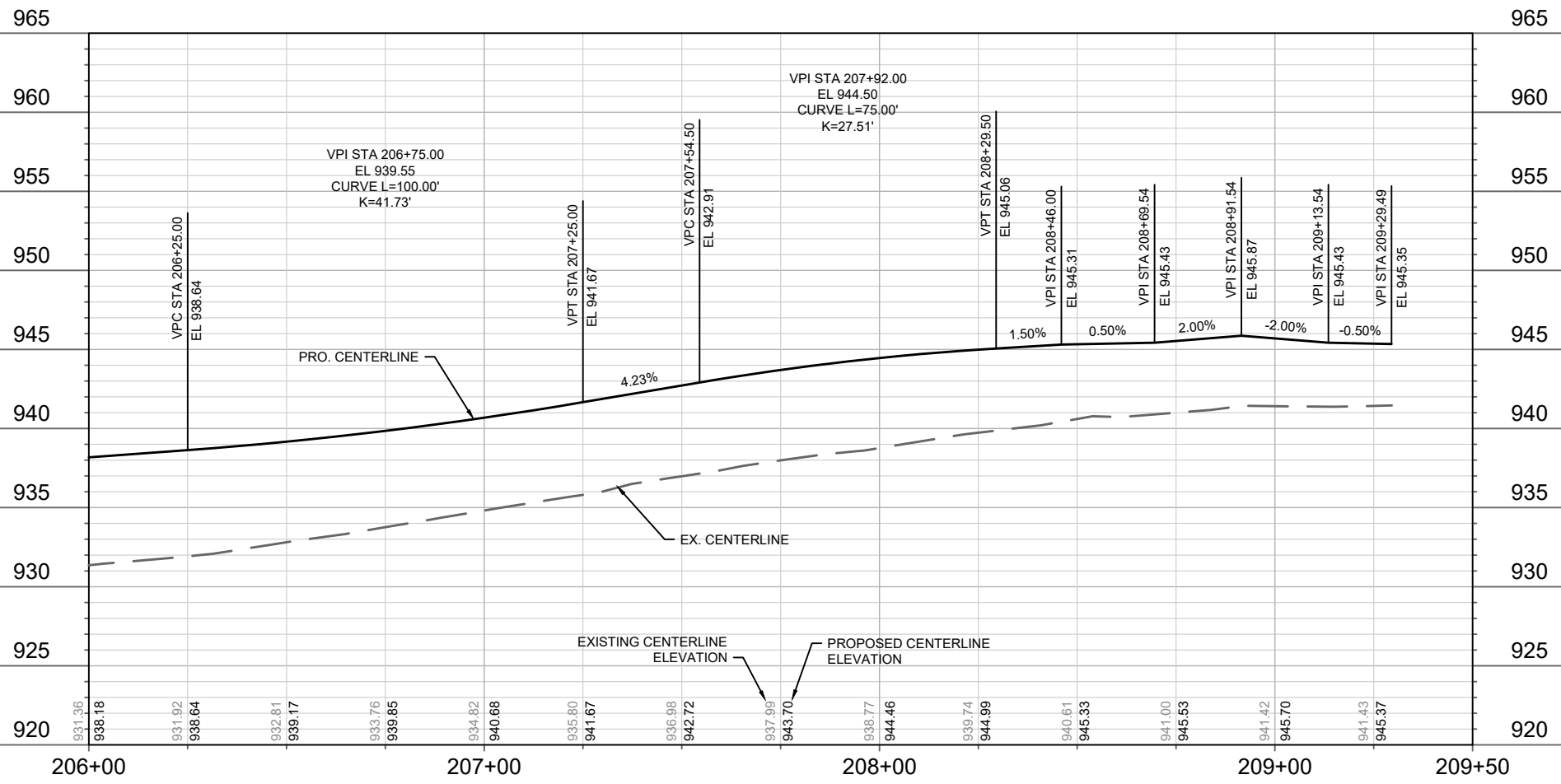
WIND STONE DRIVE - PLAN & PROFILE
 THE MEADOWLANDS: PHASE 11
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 P-1



- 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. LNDUSE-2019-00059, M:\DESIGN\Traffic\Maps_Plans\ParkingLotPlans\TE\MMilwaukee St 6810 to 6834

← = SURFACE DRAINAGE PATH



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MADISON, WI

8042

CONTRACT NO:

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WIND STONE DRIVE - PLAN & PROFILE

THE MEADOWLANDS: PHASE 11

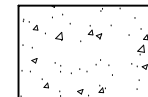
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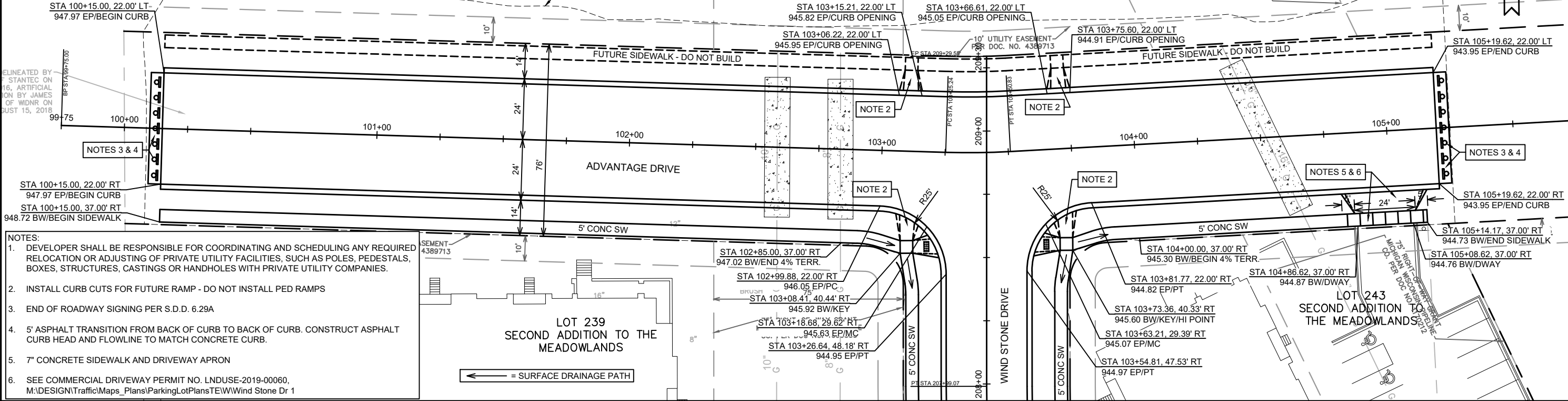
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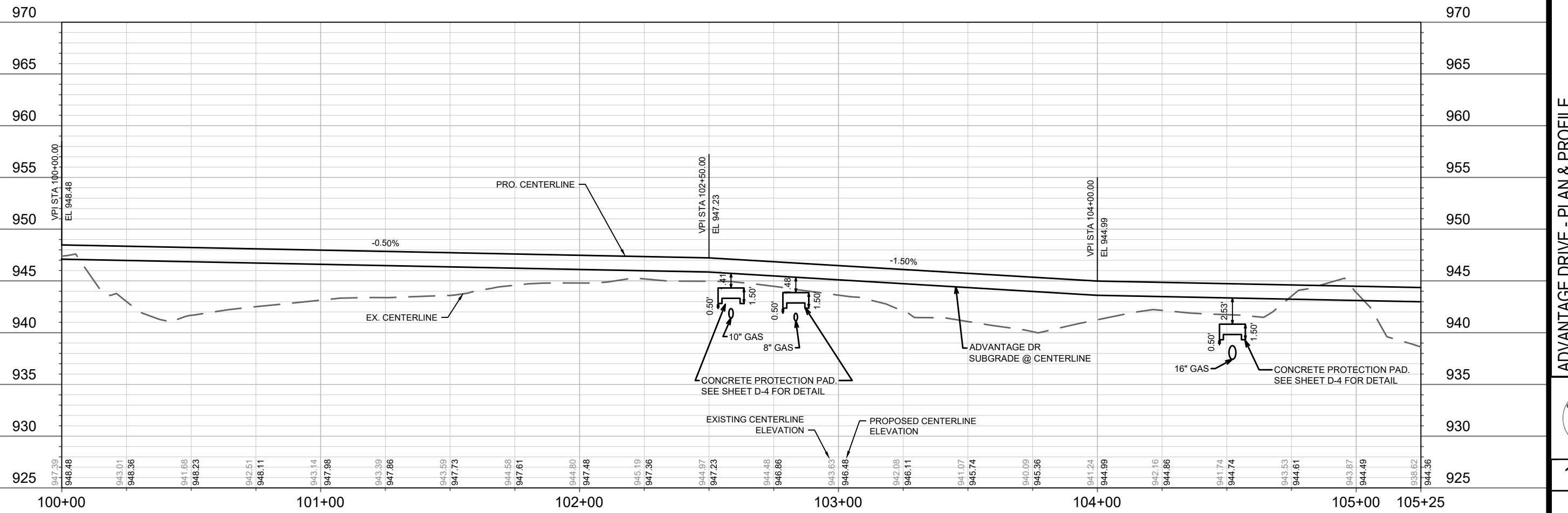
HIGH PRESSURE GAS MAIN CROSSING

1. NO GROUND DISTURBANCE SHALL BE MADE WITHIN TC ENERGY'S RIGHT OF WAY OR WITHIN 25FT., MEASURED AT RIGHT ANGLES, OF OUR PIPELINE(S) EXCEPT IN THE PRESENCE A TC ENERGY REPRESENTATIVE.
2. NOTICE OF AT LEAST SEVENTY-TWO (72) HOURS IN ADVANCE OF CONSTRUCTION MUST BE PROVIDED. CONTRACTOR MUST CONTACT TC ENERGY FIELD REPRESENTATIVE JASON JENSEN AT (608) 449-4640. TC ENERGY WILL ARRANGE FOR A REPRESENTATIVE TO BE ON SITE WHEN WORK IS OCCURRING ON OR NEAR THE RIGHT OF WAY AREA, OF WITHIN 25FT OF THE PIPELINES. AFTER HOURS CALL 1-800-447-8066

 = CONCRETE UTILITY PROTECTION PAD BETWEEN TOP-OF-GAS PIPELINE AND BOTTOM-OF-ROADWAY SUBGRADE. SEE SHEET D-4 FOR DETAIL



- 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. INSTALL CURB CUTS FOR FUTURE RAMP - DO NOT INSTALL PED RAMPS
 3. END OF ROADWAY SIGNING PER S.D.D. 6.29A
 4. 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.
 5. 7" CONCRETE SIDEWALK AND DRIVEWAY APRON
 6. SEE COMMERCIAL DRIVEWAY PERMIT NO. LNDUSE-2019-00060, M:\DESIGN\Traffic\Maps_Plans\ParkingLotPlans\TE\Wind Stone Dr 1



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 Designed By: AJC
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 MADISON, WI
 8042
 CONTRACT NO:

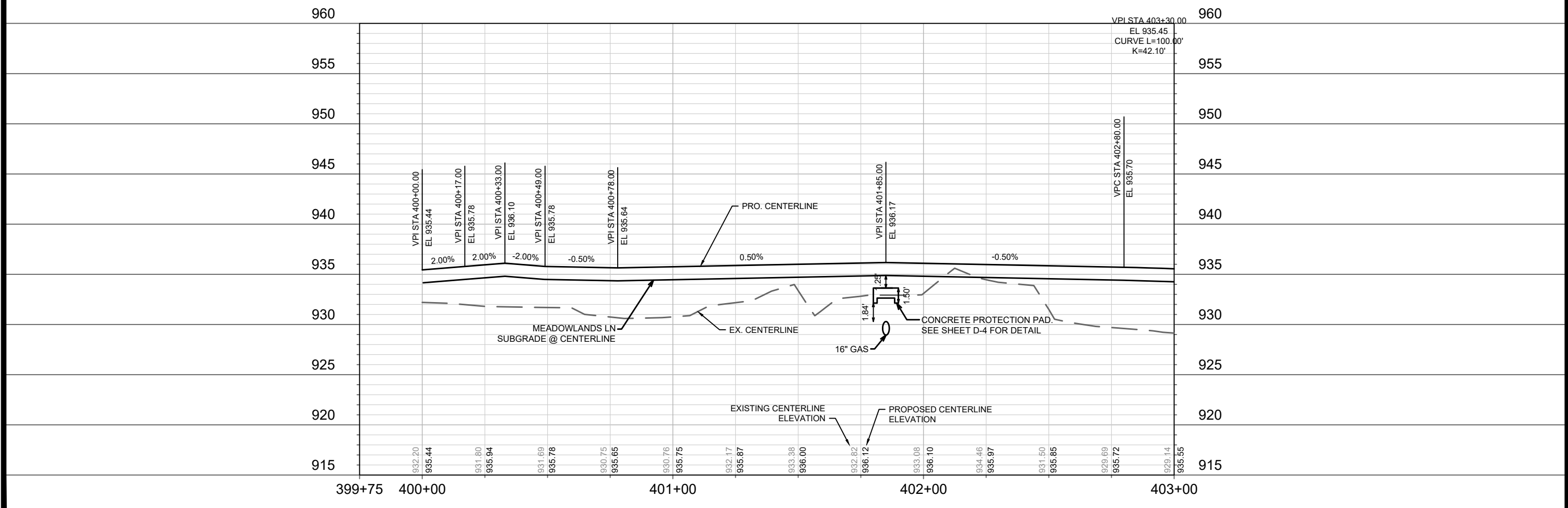
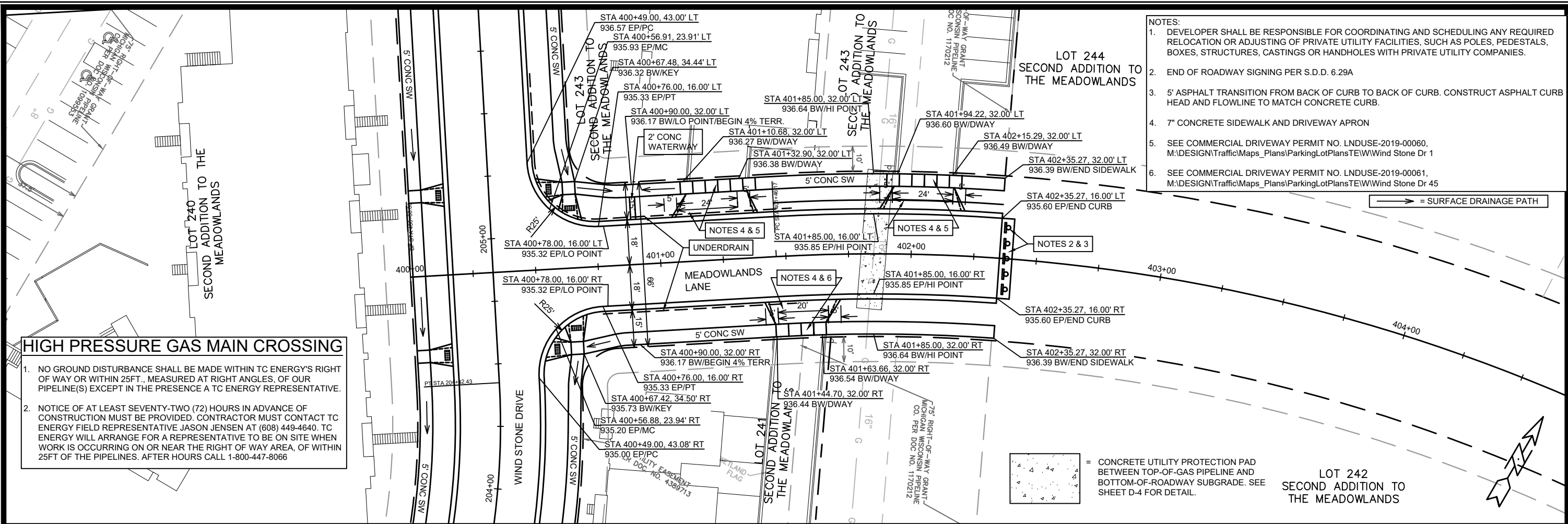
ADVANTAGE DRIVE - PLAN & PROFILE
 THE MEADOWLANDS: PHASE 11
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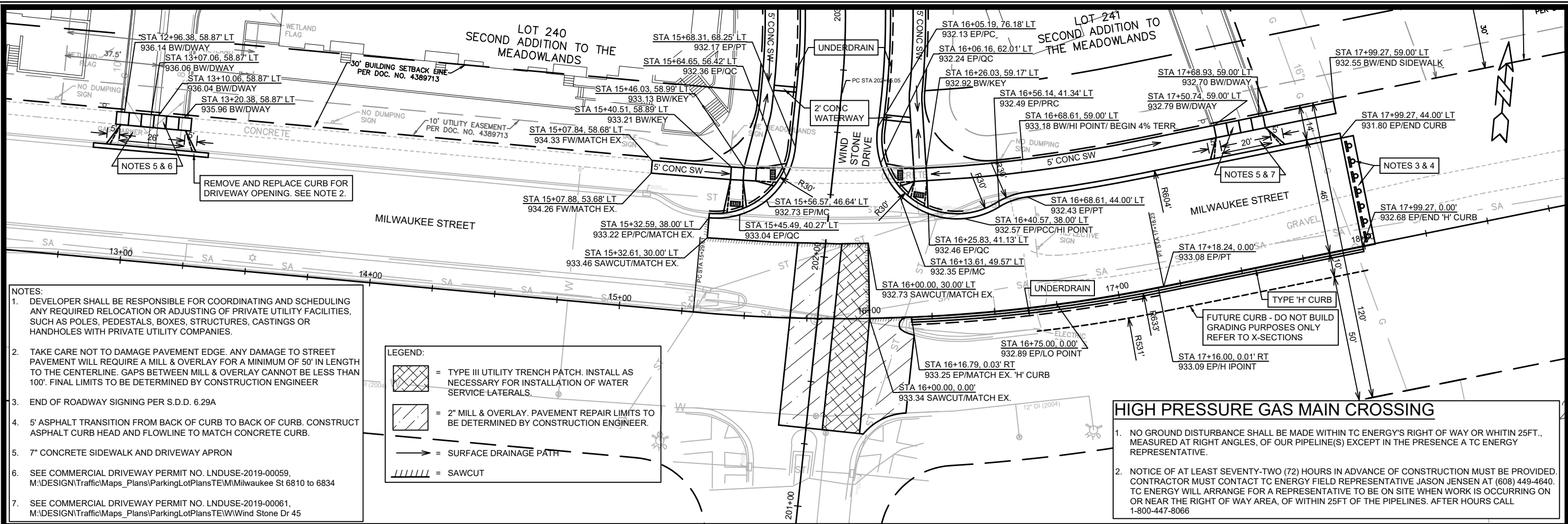
HIGH PRESSURE GAS MAIN CROSSING

1. NO GROUND DISTURBANCE SHALL BE MADE WITHIN TC ENERGY'S RIGHT OF WAY OR WITHIN 25FT., MEASURED AT RIGHT ANGLES, OF OUR PIPELINE(S) EXCEPT IN THE PRESENCE A TC ENERGY REPRESENTATIVE.
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- 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 SIDEWALK AND DRIVEWAY APRON
 5. SEE COMMERCIAL DRIVEWAY PERMIT NO. LNDUSE-2019-00060, M:\DESIGN\Traffic\Maps_Plans\ParkingLotPlans\TEWWind Stone Dr 1
 6. SEE COMMERCIAL DRIVEWAY PERMIT NO. LNDUSE-2019-00061, M:\DESIGN\Traffic\Maps_Plans\ParkingLotPlans\TEWWind Stone Dr 45



11748	MADISON, WI	8042	CONTRACT NO.:
MEADOWLANDS LANE - PLAN & PROFILE			
THE MEADOWLANDS: PHASE 11			
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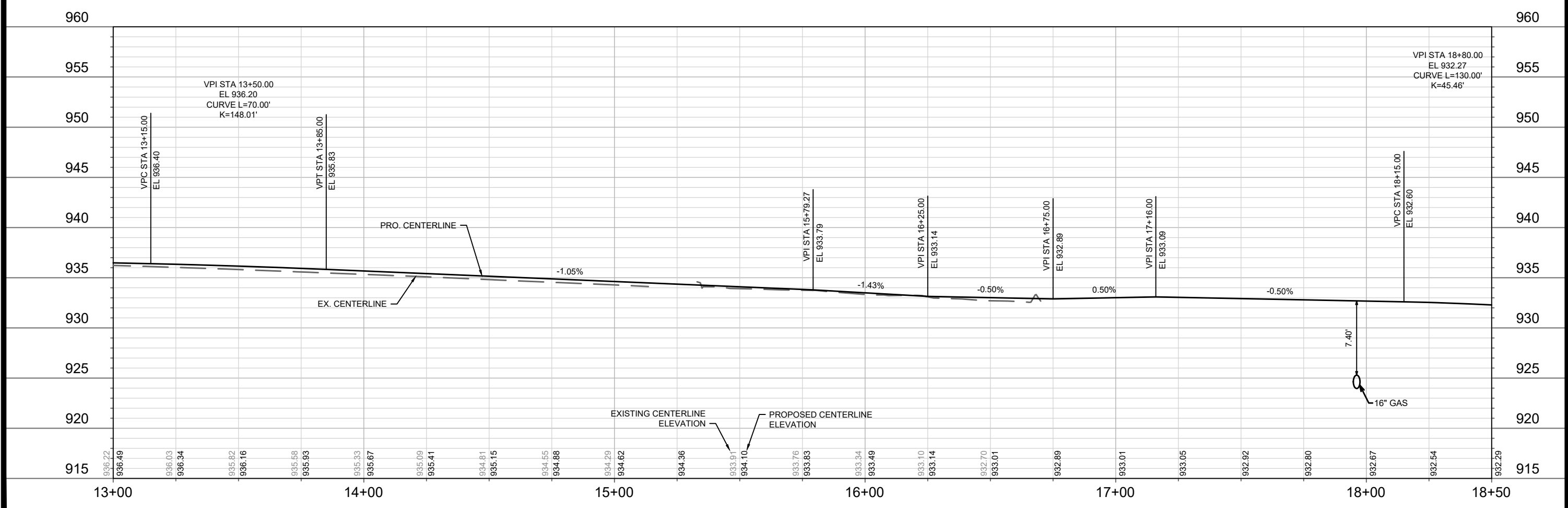
- NOTES:**
- DEVELOPER SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING ANY REQUIRED RELOCATION OR ADJUSTING OF PRIVATE UTILITY FACILITIES, SUCH AS POLES, PEDESTALS, BOXES, STRUCTURES, CASTINGS OR HANDHOLES WITH PRIVATE UTILITY COMPANIES.
 - TAKE CARE NOT TO DAMAGE PAVEMENT EDGE. ANY DAMAGE TO STREET PAVEMENT WILL REQUIRE A MILL & OVERLAY FOR A MINIMUM OF 50' IN LENGTH TO THE CENTERLINE. GAPS BETWEEN MILL & OVERLAY CANNOT BE LESS THAN 100'. FINAL LIMITS TO BE DETERMINED BY CONSTRUCTION ENGINEER
 - END OF ROADWAY SIGNING PER S.D.D. 6.29A
 - 5' ASPHALT TRANSITION FROM BACK OF CURB TO BACK OF CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB.
 - 7" CONCRETE SIDEWALK AND DRIVEWAY APRON
 - SEE COMMERCIAL DRIVEWAY PERMIT NO. LNDUSE-2019-00059, M:\DESIGN\Traffic\Maps_Plans\ParkingLotPlans\TE\Milwaukee St 6810 to 6834
 - SEE COMMERCIAL DRIVEWAY PERMIT NO. LNDUSE-2019-00061, M:\DESIGN\Traffic\Maps_Plans\ParkingLotPlans\TE\Wind Stone Dr 45

LEGEND:

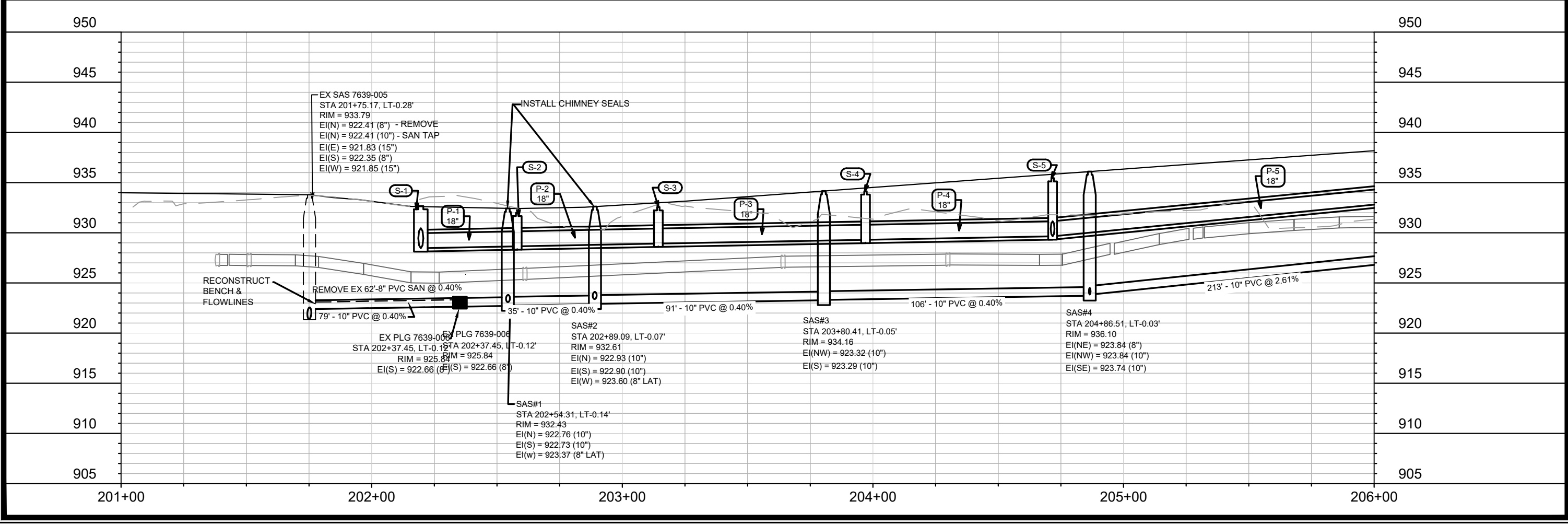
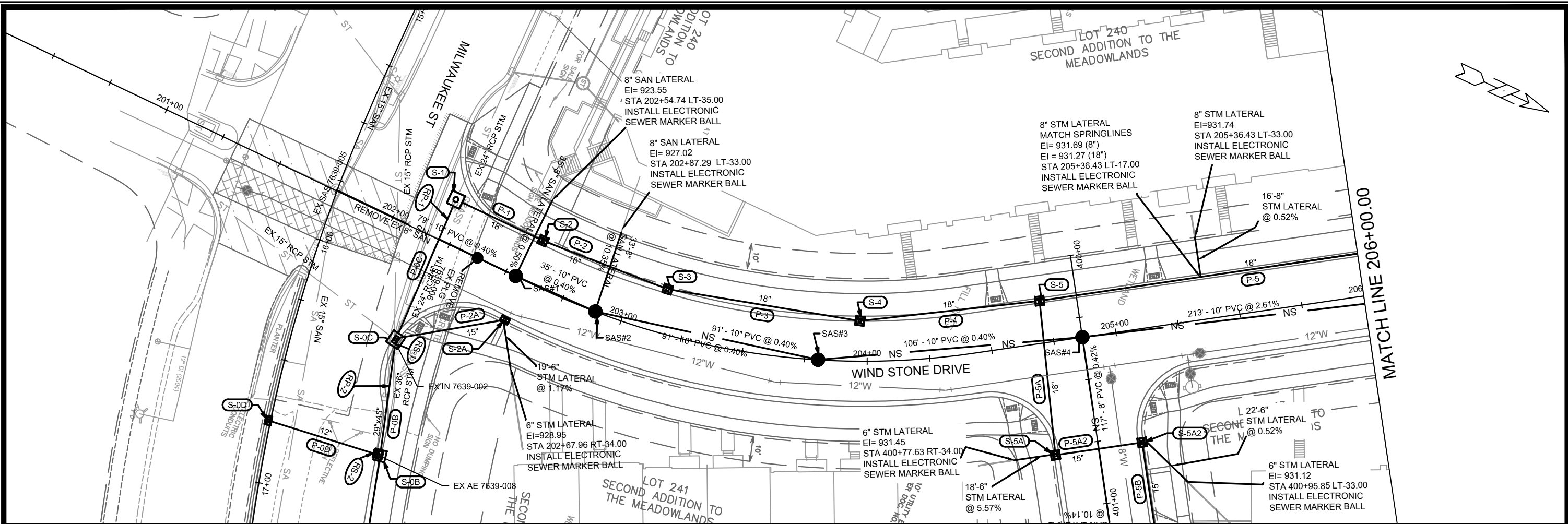
- [Cross-hatched box] = TYPE III UTILITY TRENCH PATCH. INSTALL AS NECESSARY FOR INSTALLATION OF WATER SERVICE LATERALS.
- [Diagonal hatched box] = 2" MILL & OVERLAY. PAVEMENT REPAIR LIMITS TO BE DETERMINED BY CONSTRUCTION ENGINEER.
- [Dashed line with arrow] = SURFACE DRAINAGE PATH
- [Wavy line] = SAWCUT

HIGH PRESSURE GAS MAIN CROSSING

- NO GROUND DISTURBANCE SHALL BE MADE WITHIN TC ENERGY'S RIGHT OF WAY OR WITHIN 25FT., MEASURED AT RIGHT ANGLES, OF OUR PIPELINE(S) EXCEPT IN THE PRESENCE A TC ENERGY REPRESENTATIVE.
- NOTICE OF AT LEAST SEVENTY-TWO (72) HOURS IN ADVANCE OF CONSTRUCTION MUST BE PROVIDED. CONTRACTOR MUST CONTACT TC ENERGY FIELD REPRESENTATIVE JASON JENSEN AT (608) 449-4640. TC ENERGY WILL ARRANGE FOR A REPRESENTATIVE TO BE ON SITE WHEN WORK IS OCCURRING ON OR NEAR THE RIGHT OF WAY AREA, OF WITHIN 25FT. OF THE PIPELINES. AFTER HOURS CALL 1-800-447-8066



DATE	BY	P-5
REVISION		
MARK	11748	
DESIGNED BY: AUC	DATE: 12/3/2020 8:47 AM	
11748		
11748	MADISON, WI	8042
CONTRACT NO.:		
MILWAUKEE STREET - PLAN & PROFILE		
THE MEADOWLANDS: PHASE 11		
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11748		
P-5		



DATE	BY	U-1
REVISION		
MARK	DESIGNED BY: EEA	11748
Scale: 1" = 40'		

11748
MADISON, WI
8042
CONTRACT NO:

WIND STONE DRIVE - UTILITY SHEETS
THE MEADOWLANDS PHASE 11
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11748
U-1

HIGH PRESSURE GAS MAIN CROSSING

1. NO GROUND DISTURBANCE SHALL BE MADE WITHIN TC ENERGY'S RIGHT OF WAY OR WITHIN 25FT., MEASURED AT RIGHT ANGLES, OF OUR PIPELINE(S) EXCEPT IN THE PRESENCE A TC ENERGY REPRESENTATIVE.
2. NOTICE OF AT LEAST SEVENTY-TWO (72) HOURS IN ADVANCE OF CONSTRUCTION MUST BE PROVIDED. CONTRACTOR MUST CONTACT TC ENERGY FIELD REPRESENTATIVE JASON JENSEN AT (608) 449-4640. TC ENERGY WILL ARRANGE FOR A REPRESENTATIVE TO BE ON SITE WHEN WORK IS OCCURRING ON OR NEAR THE RIGHT OF WAY AREA, OF WITHIN 25FT OF THE PIPELINES. AFTER HOURS CALL 1-800-447-8066

CASING PIPE TO BE SIZED BY THE CONTRACTOR

FILL VOIDS W/ BLOWN SAND.

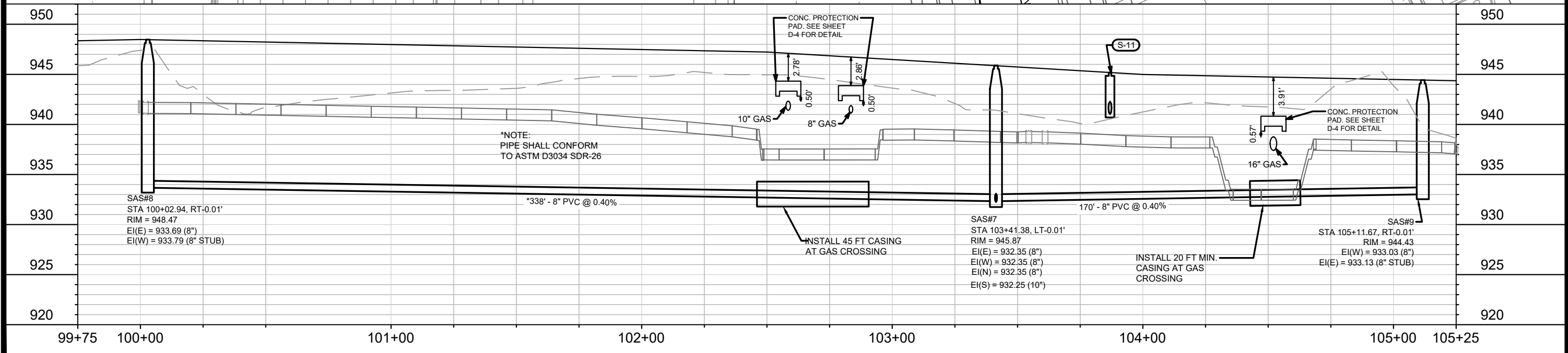
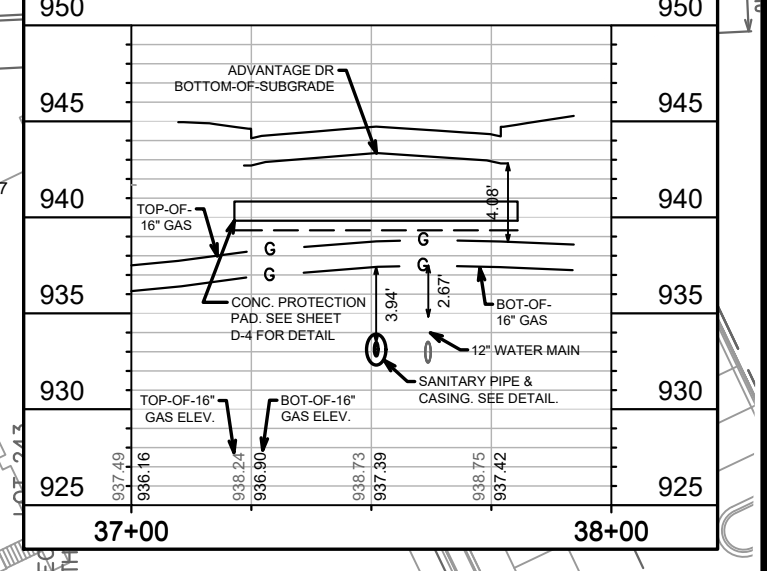
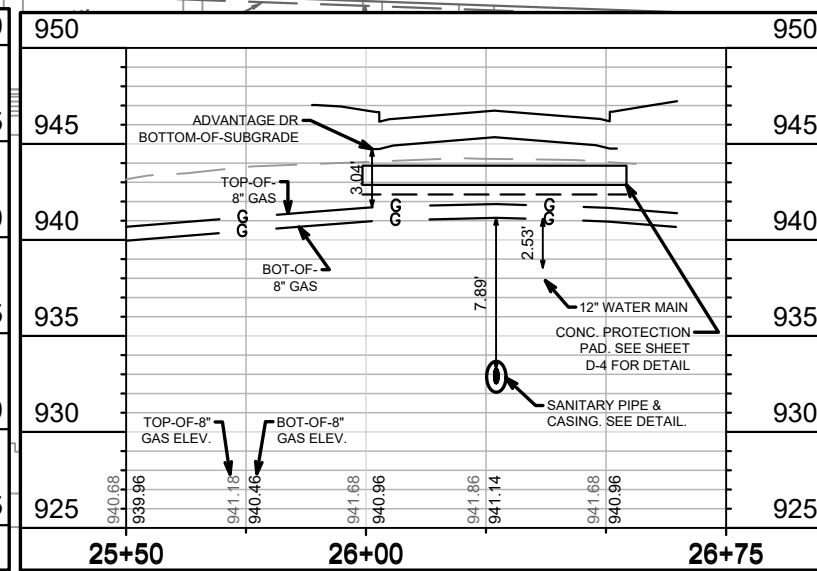
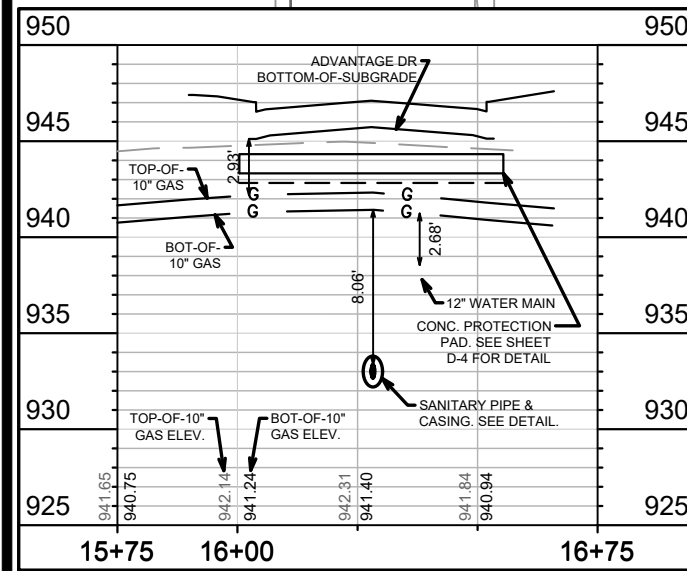
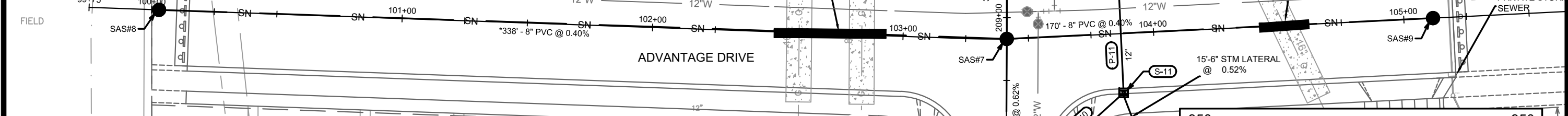
NOTE:
WALL THICKNESS FOR STEEL CASING PIPE WITH 35,000 P.S.I. MIN. YIELD STRENGTH, FOR MATERIAL OF LOWER YIELD STRENGTH, INCREASE THICKNESS AN ADDITIONAL 1/16".

CASING PIPE DETAIL
NOT TO SCALE

MIN. THK. (IN.) FOR PIPE NOT CATHODICALLY PROTECTED	CASING PIPE DIAMETER (IN.)
0.3750	18 - 22
0.4375	22 - 25
0.500	25 - 34
0.5625	34 - 42
0.6250	42 - 48

PRE-FABRICATED SPACER OR BLOCKS

LINE DELINEATED BY FIELD OF STANTEC ON 04/24/2016, ARTIFICIAL REMOVAL BY JAMES ELLER OF WINDR ON AUGUST 15, 2018

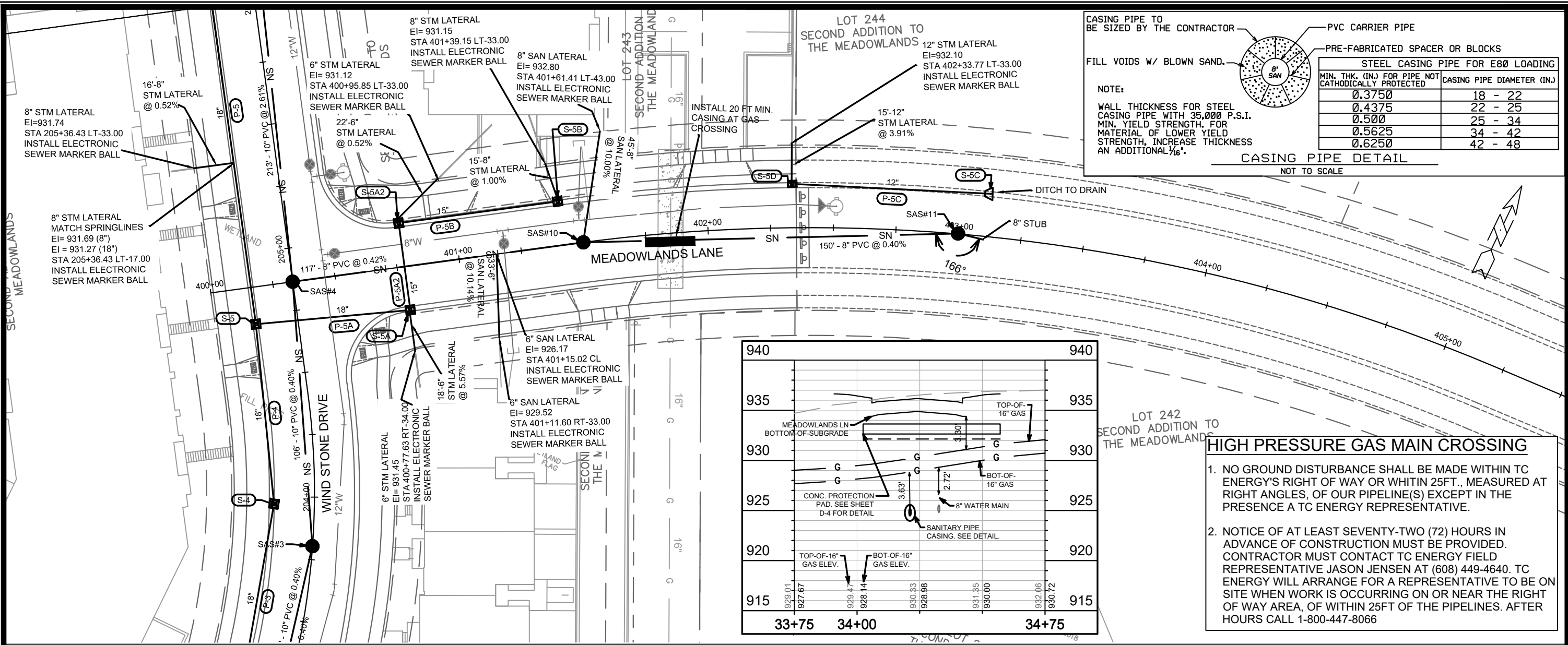


11748
MADISON, WI
CONTRACT NO: 8042

ADVANTAGE DRIVE - UTILITY SHEETS
THE MEADOWLANDS PHASE 11

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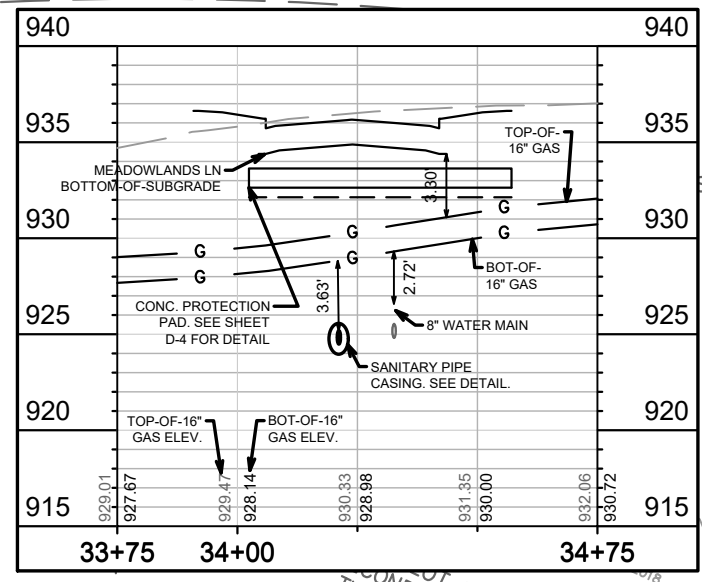


CASING PIPE TO BE SIZED BY THE CONTRACTOR

FILL VOIDS W/ BLOWN SAND.

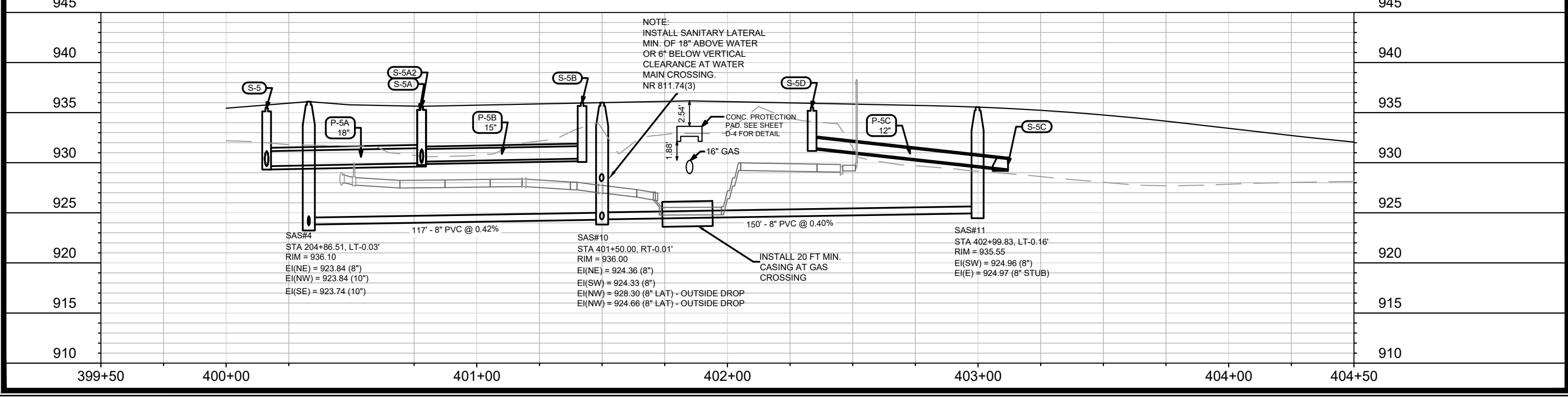
NOTE:
WALL THICKNESS FOR STEEL CASING PIPE WITH 35,000 P.S.I. MIN. YIELD STRENGTH. FOR MATERIAL OF LOWER YIELD STRENGTH, INCREASE THICKNESS AN ADDITIONAL 1/16".

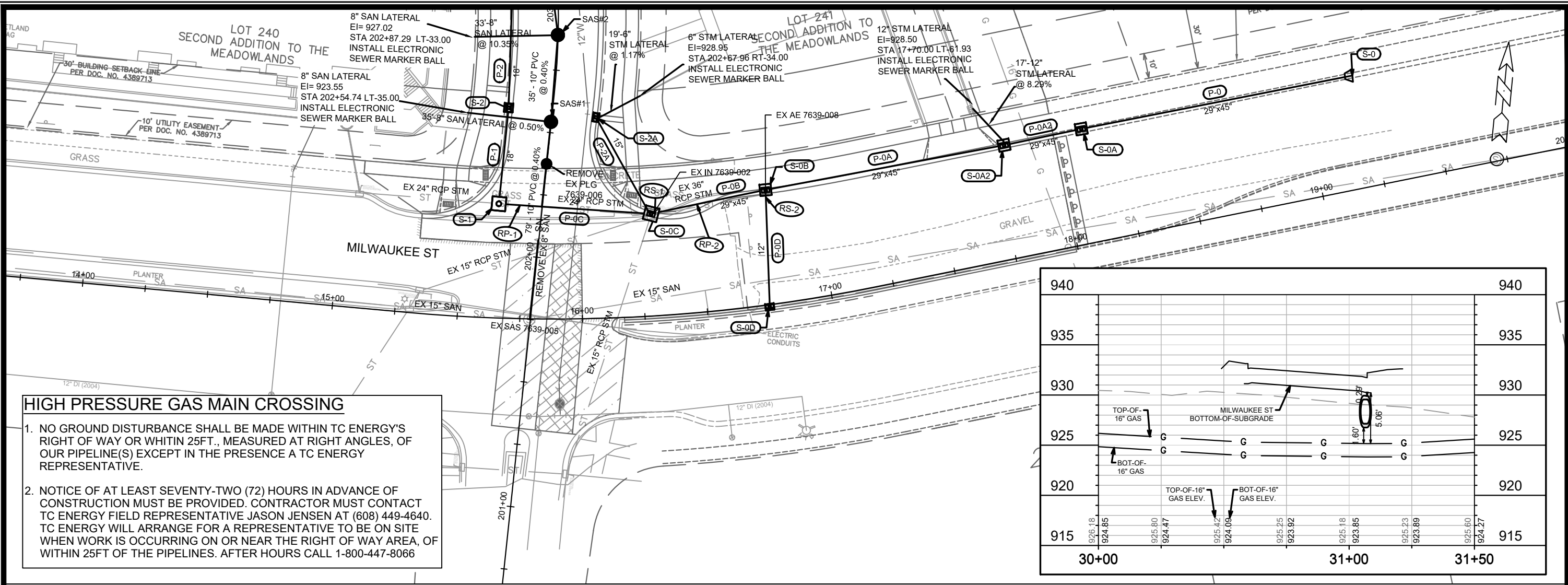
CASING PIPE DETAIL
NOT TO SCALE



HIGH PRESSURE GAS MAIN CROSSING

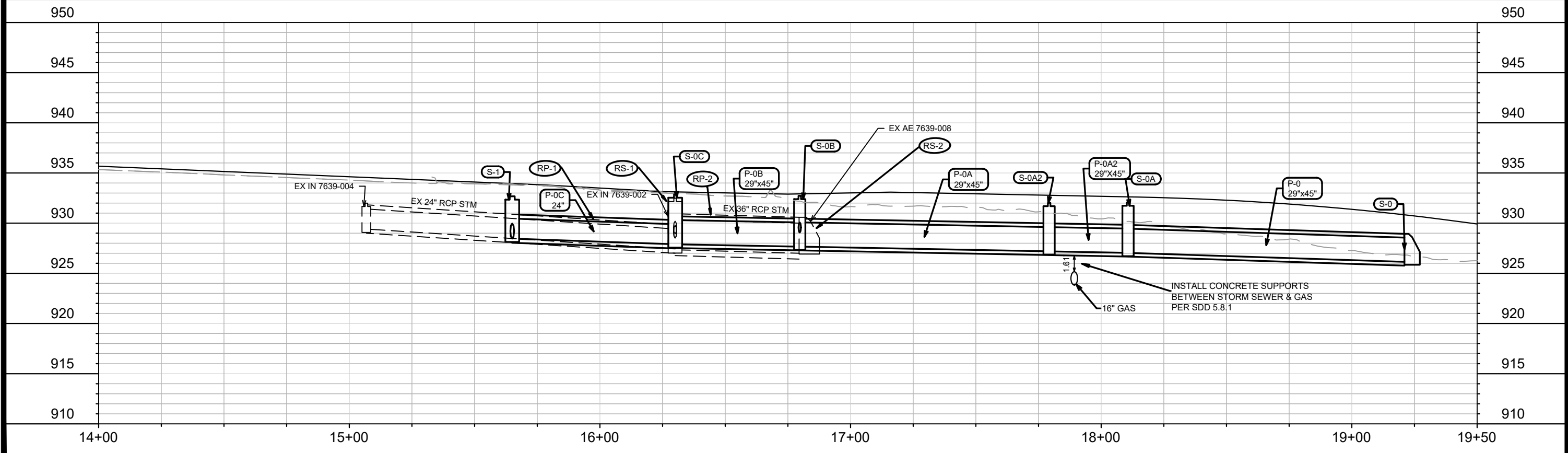
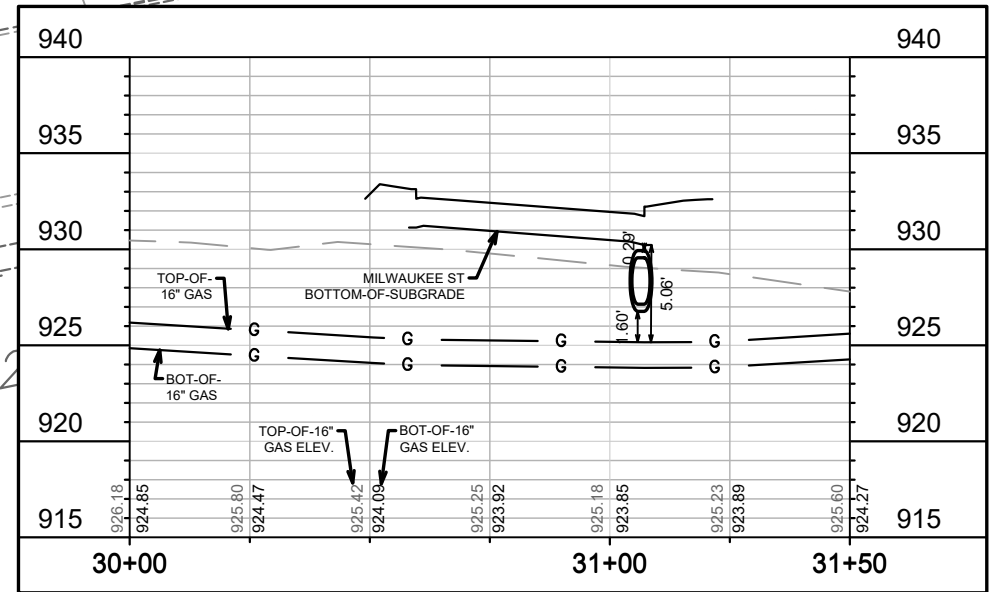
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HIGH PRESSURE GAS MAIN CROSSING

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DATE	BY	U-5
REVISION		
MARK	Designed By: EEA	Scale: 1" = 40'

11748
MADISON, WI
8042
CONTRACT NO:

MILWAUKEE STREET - UTILITY SHEETS
THE MEADOWLANDS PHASE 11
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11748
U-5

SANITARY SEWER SCHEDULE

* REV 11/9/2020 EEA

++ REV 11/17/2020 EEA

MEADOWLANDS PH 11	SHEET NO.
PROJECT NO. 11748	U-SAN
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	OLD RIM ELEVATION	NOTES
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WIND STONE DRIVE

SAS#1	202+54.31	LT-0.14	932.43	922.73	9.70	932.43	INSTALL CHIMNEY SEAL
SAS#2	202+89.09	LT-0.07	932.61	922.90	9.71	932.61	INSTALL CHIMNEY SEAL
SAS#3	203+80.41	LT-0.05	934.16	923.29	10.87	934.16	-
SAS#4	204+86.51	LT-0.03	936.10	923.74	12.36	936.10	-
* SAS#5	206+99.66	LT-4.13	940.59	929.42	11.17	939.92	-
* SAS#6	208+20.38	LT-0.01	944.91	931.71	13.20	942.24	-

ADVANTAGE DRIVE

* SAS#7	103+41.38	LT-0.01	945.87	932.25	13.62	943.45	-
* SAS#8	100+02.94	RT-0.01	948.47	933.69	14.78	946.58	-
* SAS#9	105+11.67	RT-0.01	944.43	933.03	11.40	943.55	-

MEADOWLANDS LANE

++ SAS#10	401+50.00	LT-0.01	936.00	924.33	11.67	934.49	-
* SAS#11	402+99.83	LT-0.16	935.55	924.96	10.59	932.88	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
EX SAS 7639-005	SAS#1	922.41	922.73	79	0.40%	10"	SDR-35	-
SAS#1	SAS#2	922.76	922.90	35	0.40%	10"	SDR-35	-
SAS#2	SAS#3	922.93	923.29	91	0.40%	10"	SDR-35	-
SAS#3	SAS#4	923.32	923.74	106	0.40%	10"	SDR-35	-
SAS#4	SAS#5	923.84	929.42	213	2.61%	10"	SDR-35	-
* SAS#5	SAS#6	929.52	931.71	121	1.81%	10"	SDR-26	-
* SAS#6	SAS#7	931.81	932.25	71	0.62%	10"	SDR-26	-

* SAS#7	SAS#8	932.35	933.69	338	0.40%	8"	SDR-26	-
SAS#7	SAS#9	932.35	933.03	170	0.40%	8"	SDR-35	-

++ * SAS#4	SAS#10	923.84	924.33	117	0.42%	8"	SDR-35	-
++ * SAS#10	SAS#11	924.36	924.96	150	0.40%	8"	SDR-35	-

REMOVE SANITARY PIPES

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE TYPE	PIPE SIZE	NOTES
EX SAS 7639-005	EX PLG 7639-006	62'	PVC	8"	-

NOTES:

STORM SEWER SCHEDULE

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
MILWAUKEE ST							
* S-0	19+21.01	LT-44.91	29"x45" HERCP AE	-	926.14	-	W/ GATE
* S-0A	18+10.73	LT-45.50	4X4 SAS	932.11	927.04	5.07	FP; W/ R-3067-7004-V
* S-0A2	17+79.23	LT-45.50	4X4 SAS	932.27	927.19	5.08	FP; W/ R-3067-7004-V; (6)
* S-0B	16+79.75	LT-45.50	4X4 SAS	932.76	927.66	5.10	FP; W/ R-3067-7004-V; (12)
* S-0C	16+30.37	LT-41.13	5X5 SAS	932.86	927.89	4.97	FP; W/ R-3067-7004-V; (11)
* S-0D	16+74.88	RT-0.50	H INLET	933.33	929.30	4.03	LP; W/ R-3067-7004-VB; (1)

WIND STONE DR

S-1	202+19.61	LT-17.38	5X5 SAS	932.67	928.46	4.21	FP; W/ R-1550
S-2	202+58.09	LT-17.50	3X3 SAS	932.47	928.65	3.82	FP; LP; W/ R-3067-7004-VB; (1)
S-2A	202+57.95	RT-17.50	H INLET	932.47	928.73	3.74	LP; W/ R-3067-7004-VB; (1); (5)
S-3	203+14.38	LT-17.50	3X3 SAS	933.05	928.92	4.13	FP; W/ R-3067-7004-V
S-4	203+97.27	LT-17.50	3X3 SAS	934.53	929.30	5.23	W/ R-3067-7004-V
S-5	204+71.75	LT-17.50	3X3 SAS	935.89	929.65	6.24	W/ R-3067-7004-V
* S-6	206+37.92	LT-17.50	3X3 SAS	938.95	933.74	5.21	W/ R-3067-7004-V; (4)
* S-7	207+29.31	LT-17.50	3X3 SAS	941.90	936.86	5.04	W/ R-3067-7004-V
* S-8	208+17.12	LT-17.50	3X3 SAS	944.90	938.70	6.20	W/ R-3067-7004-V; (2)
* S-9	208+42.81	LT-17.50	3X3 SAS	945.32	940.68	4.64	W/ R-3067-7004-V
* S-10	208+43.72	RT-17.50	3X3 SAS	945.33	940.85	4.48	W/ R-3067-7004-V

MEADOWLANDS LN

S-5A	400+77.98	RT-17.50	3X3 SAS	935.70	929.95	5.75	LP; W/ R-3067-7004-VB; (9)
* S-5A2	400+78.01	LT-17.50	3X3 SAS	935.70	930.11	5.59	LP; W/ R-3067-7004-VB; (10)
* S-5B	401+42.02	LT-17.50	3X3 SAS	936.02	930.41	5.61	W/ R-3067-7004-V; (7)
* S-5C	403+11.95	LT-17.19	12" RCP APRON END	-	929.35	-	W/ GATE
* S-5D	402+33.79	LT-17.50	H INLET	935.98	931.51	4.47	W/ R-3067-7004-V; (8)

ADVANTAGE DR

* S-11	103+86.86	RT-23.50	3X3 SAS	945.12	941.03	4.09	LP; W/ R-3067-7004-VB; (1); (3)
* S-11A	103+87.05	LT-23.50	H INLET	945.12	941.26	3.86	LP; W/ R-3067-7004-VB; (1)

STORM STRUCTURE REMOVALS

STRUC. NO.	STRUC. ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
MILWAUKEE ST					
* RS-1	IN 7639-002	16+30.37	LT-41.13	5X5 SAS	-
* RS-2	AE 7639-003	16+79.75	LT-45.50	AE	-

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.

-KOR N SEAL BOOTS OR EQUIVALENT SHALL BE USED FOR ALL PIPE CONNECTIONS TO PRECAST INLETS. IN ADDITION, KOR N SEAL BOOTS SHALL BE REQUIRED FOR ANY TYPE II PIPE CONNECTIONS TO SAS STORM STRUCTURES. CONCRETE COLLARS OR KOR N SEAL MAY BE USED FOR ANY RCP OR HERCP CONNECTIONS TO SAS STORM STRUCTURES.

-ALL REBAR FOR FIELD POURED STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE.

-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.

*REV 11/20/2020 EEA

MEADOWLANDS PH 11

PROJECT NO. 11748

STORM SEWER SCHEDULE

SHEET NO.

U-STM

CITY OF MADISON

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	S-0	S-0A	926.14	927.04	110	108	0.83%	29"X45"	HERCP	-
* P-0A2	S-0A	S-0A2	927.04	927.19	32	30	0.50%	29"X45"	HERCP	-
* P-0A	S-0A2	S-0B	927.19	927.66	97	93	0.51%	29"X45"	HERCP	-
* P-0B	S-0B	S-0C	927.66	927.89	47	45	0.51%	29"X45"	HERCP	-
* P-0C	S-0C	S-1	927.89	928.46	61	58	0.98%	24"	TYPE I	-
* P-0D	S-0B	S-0D	929.07	929.30	47	46	0.50%	12"	TYPE I	-
* P-1	S-1	S-2	928.46	928.65	38	35	0.54%	18"	TYPE I	NCM
* P-2	S-2	S-3	928.65	928.92	53	50	0.54%	18"	TYPE II	-
* P-2A	EX IN 7636-002	S-2A	928.52	928.73	45	41	0.51%	15"	TYPE II	-
* P-3	S-3	S-4	928.92	929.30	78	75	0.51%	18"	TYPE II	-
* P-4	S-4	S-5	929.30	929.65	72	69	0.51%	18"	TYPE II	-
* P-5	S-5	S-6	929.65	933.74	167	164	2.49%	18"	TYPE II	-
* P-5A	S-5	S-5A	929.65	929.95	62	59	0.51%	18"	TYPE I	-
* P-5A2	S-5A	S-5A2	929.95	930.11	35	32	0.50%	15"	TYPE I	NCM
* P-5B	S-5A2	S-5B	930.11	930.41	64	61	0.50%	15"	TYPE II	-
* P-5C	S-5C	S-5D	929.35	931.51	80	78	2.77%	12"	TYPE I	-
* P-6	S-6	S-7	933.74	936.86	96	93	3.35%	18"	TYPE I	-
* P-7	S-7	S-8	936.86	938.70	92	89	2.07%	18"	TYPE I	-
* P-8	S-8	S-9	938.95	940.68	26	23	7.52%	15"	TYPE II	-
* P-9	S-9	S-10	940.68	940.85	35	33	0.52%	15"	TYPE I	-
* P-10	S-10	S-11	940.85	941.03	39	36	0.50%	15"	TYPE II	-
* P-11	S-11	S-11A	941.03	941.26	47	45	0.51%	12"	TYPE I	NCM

STORM PIPE REMOVALS

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE
* RP-1	S-0C	S-1	60	24"	RCP
* RP-2	S-0B	S-0C	48	36"	RCP

MILWAUKEE ST

* RP-1	S-0C	S-1	60	24"	RCP
* RP-2	S-0B	S-0C	48	36"	RCP

SPECIFIC NOTES:

(1) INSTALL LOW POINT PVC DRAIN; SEE S.D.D. 5.7.7A

* (2) 8" PVT CONNECTION TO WEST AT EI=941.65

* (3) 6" PVT CONNECTION TO SOUTH AT EI=941.03

* (4) 18" PVT CONNECTION TO SW AT EI=933.74

(5) 6" PVT CONNECTION TO EAST AT EI=928.73

* (6) 12" PVT CONNECTION TO NW AT EI=927.09

* (7) 8" PVT CONNECTION TO NORTH AT EI=931.00

* (8) 12" PVT CONNECTION TO NORTH AT EI=931.51

* (9) 6" PVT CONNECTION TO SW AT EI=930.45

* (10) 6" PVT CONNECTION TO NE AT EI=931.00

* (11) RECONNECT EX PIPES

* (12) REMOVE EX AE 7639-003

- 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

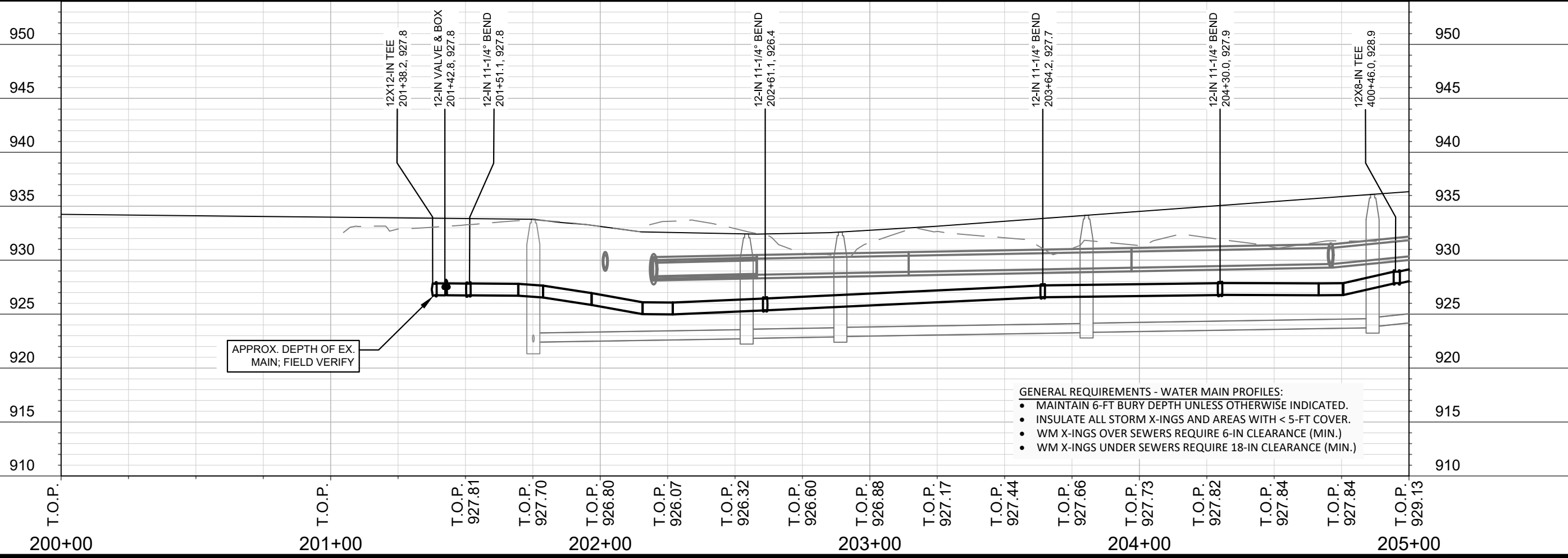
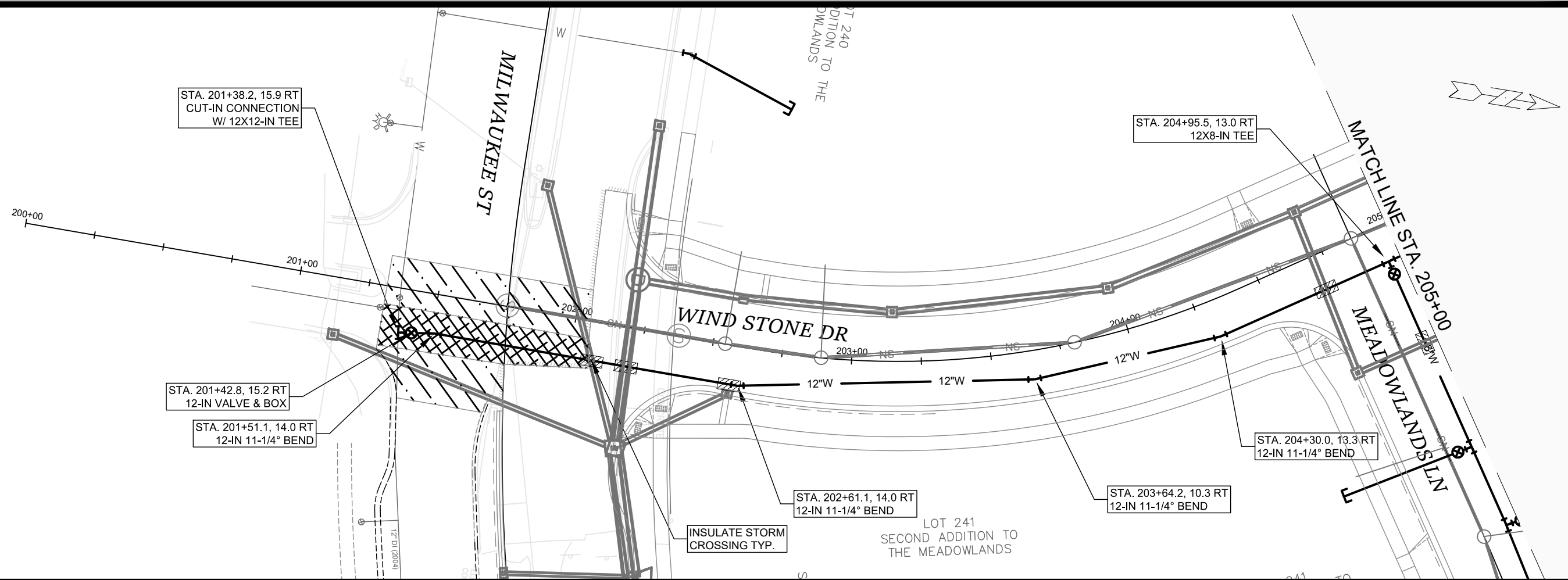
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.

- 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 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 PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.



- 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: 11/23/20

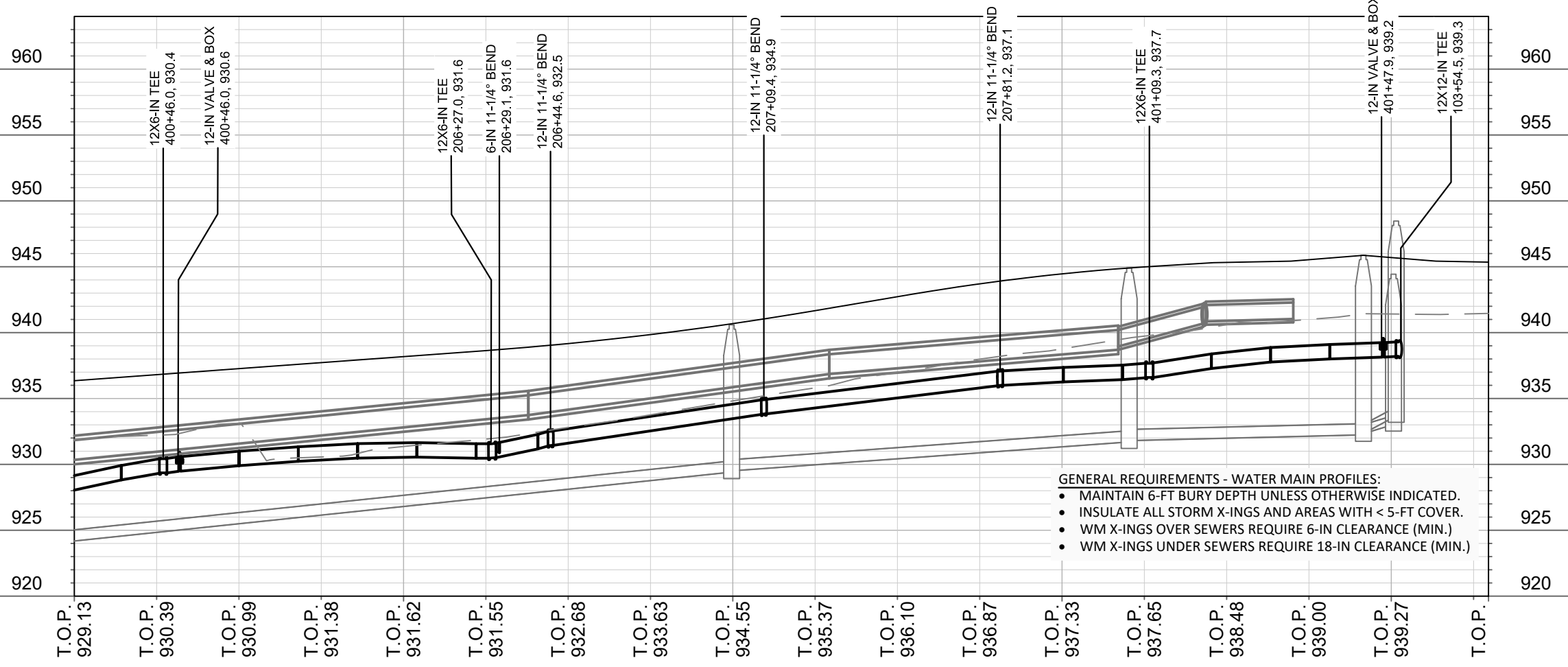
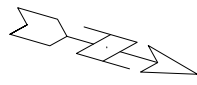
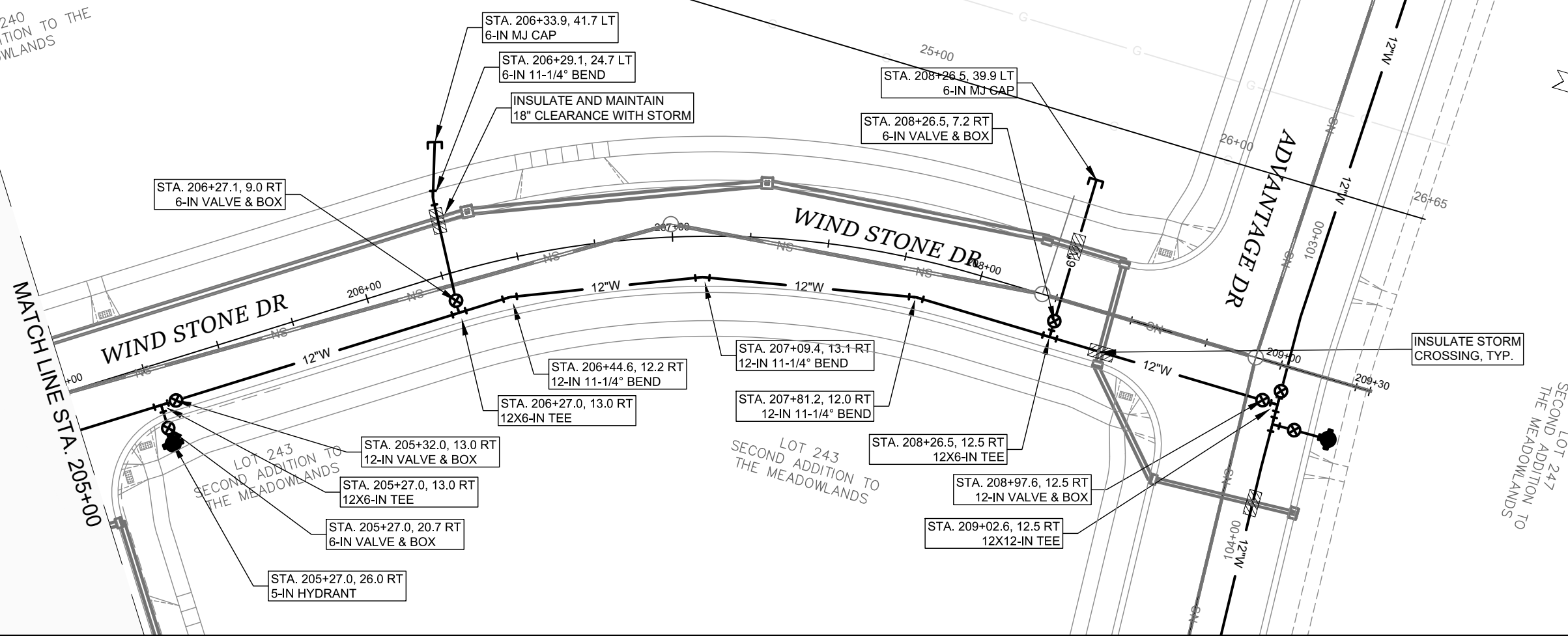
CONTRACT NO: 8042

THE MEADOWLANDS: PHASE 11
 PLAN & PROFILE: WIND STONE DR - WATER
 CITY OF MADISON, WISCONSIN



11748
 W-1

LOT 240
ADDITION TO THE
MEADOWLANDS



- 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.)

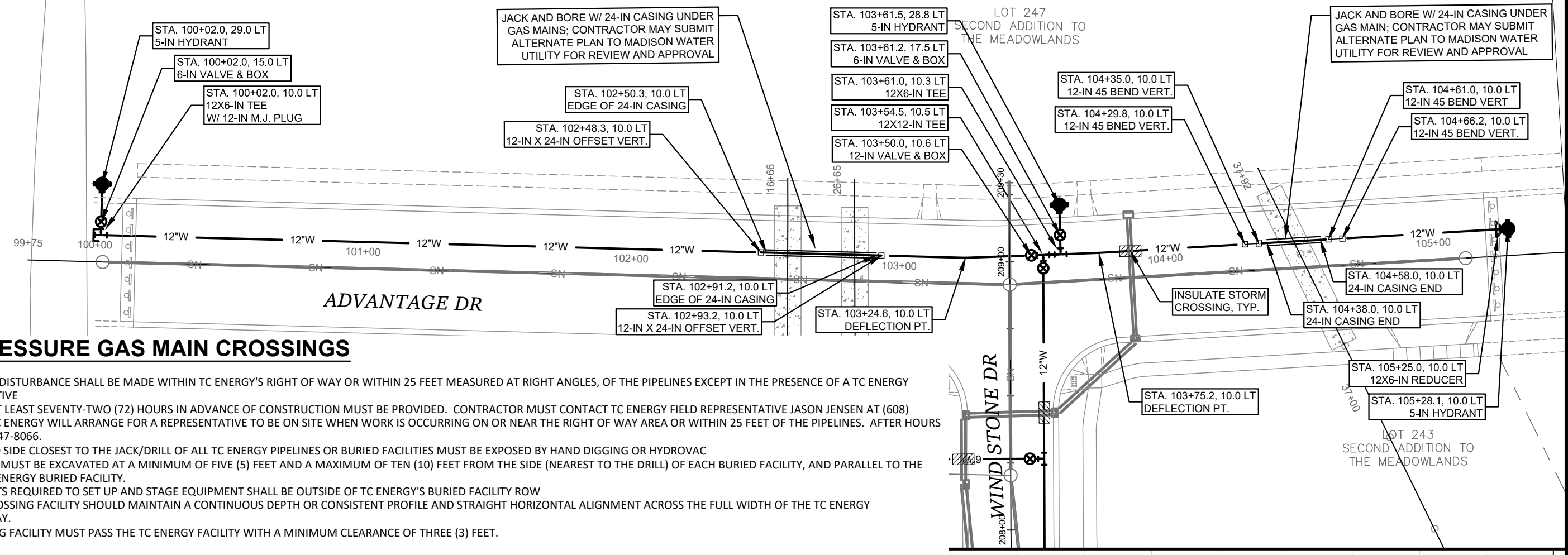
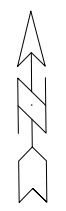
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MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 11/23/20

CONTRACT NO: 8042

THE MEADOWLANDS: PHASE 11
PLAN & PROFILE: WIND STONE DR - WATER
CITY OF MADISON, WISCONSIN

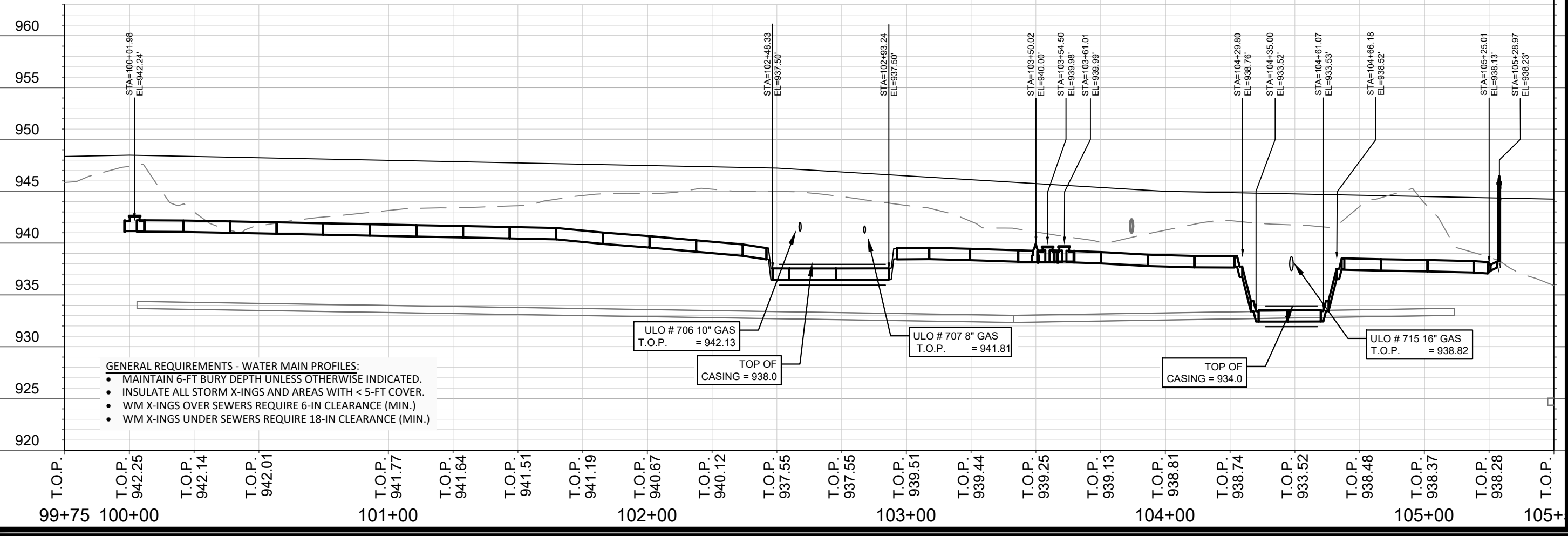


11748
W-2



HIGH PRESSURE GAS MAIN CROSSINGS

1. NO GROUND DISTURBANCE SHALL BE MADE WITHIN TC ENERGY'S RIGHT OF WAY OR WITHIN 25 FEET MEASURED AT RIGHT ANGLES, OF THE PIPELINES EXCEPT IN THE PRESENCE OF A TC ENERGY REPRESENTATIVE
2. NOTICE OF AT LEAST SEVENTY-TWO (72) HOURS IN ADVANCE OF CONSTRUCTION MUST BE PROVIDED. CONTRACTOR MUST CONTACT TC ENERGY FIELD REPRESENTATIVE JASON JENSEN AT (608) 449-4640. TC ENERGY WILL ARRANGE FOR A REPRESENTATIVE TO BE ON SITE WHEN WORK IS OCCURRING ON OR NEAR THE RIGHT OF WAY AREA OR WITHIN 25 FEET OF THE PIPELINES. AFTER HOURS CALL 1-800-447-8066.
3. THE TOP AND SIDE CLOSEST TO THE JACK/DRILL OF ALL TC ENERGY PIPELINES OR BURIED FACILITIES MUST BE EXPOSED BY HAND DIGGING OR HYDROVAC
4. SIGHT HOLES MUST BE EXCAVATED AT A MINIMUM OF FIVE (5) FEET AND A MAXIMUM OF TEN (10) FEET FROM THE SIDE (NEAREST TO THE DRILL) OF EACH BURIED FACILITY, AND PARALLEL TO THE EXISTING TC ENERGY BURIED FACILITY.
5. ANY BORE PITS REQUIRED TO SET UP AND STAGE EQUIPMENT SHALL BE OUTSIDE OF TC ENERGY'S BURIED FACILITY ROW
6. THE NEW CROSSING FACILITY SHOULD MAINTAIN A CONTINUOUS DEPTH OR CONSISTENT PROFILE AND STRAIGHT HORIZONTAL ALIGNMENT ACROSS THE FULL WIDTH OF THE TC ENERGY RIGHT-OF-WAY.
7. THE CROSSING FACILITY MUST PASS THE TC ENERGY FACILITY WITH A MINIMUM CLEARANCE OF THREE (3) FEET.



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.)

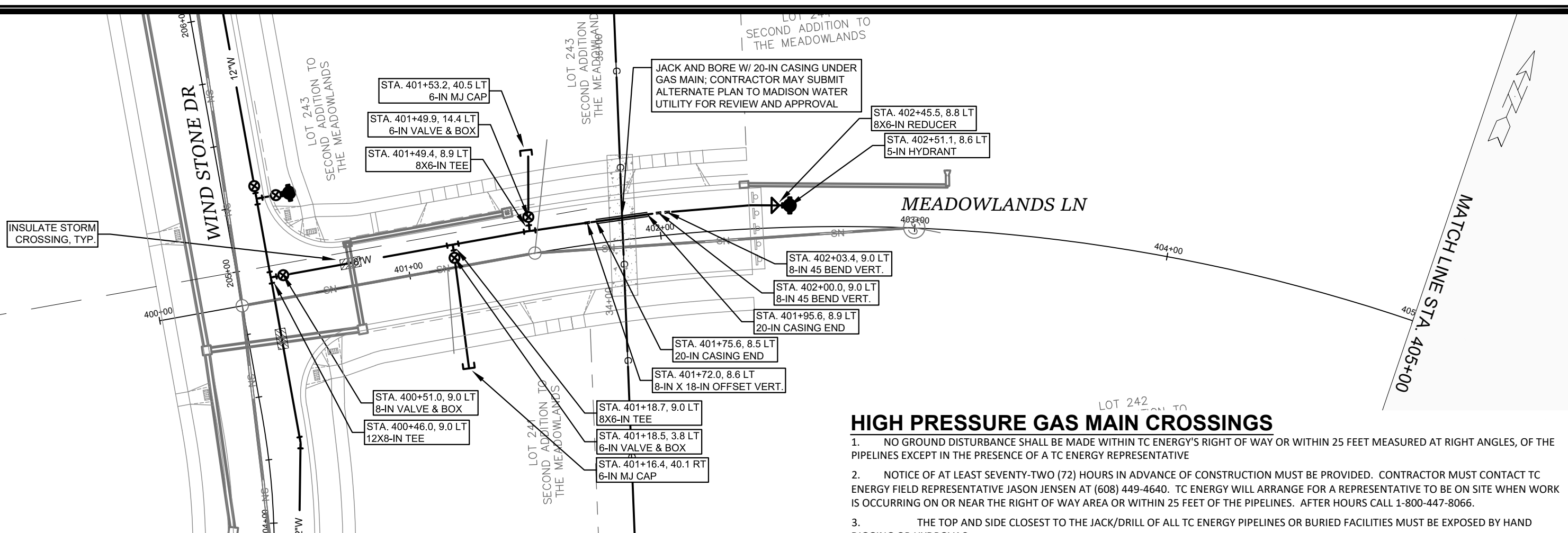
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 DESIGNED BY: KBM
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 12/4/20

CONTRACT NO: 8042

THE MEADOWLANDS: PHASE 11
 PLAN & PROFILE: ADVANTAGE DRIVE - WATER
 CITY OF MADISON, WISCONSIN

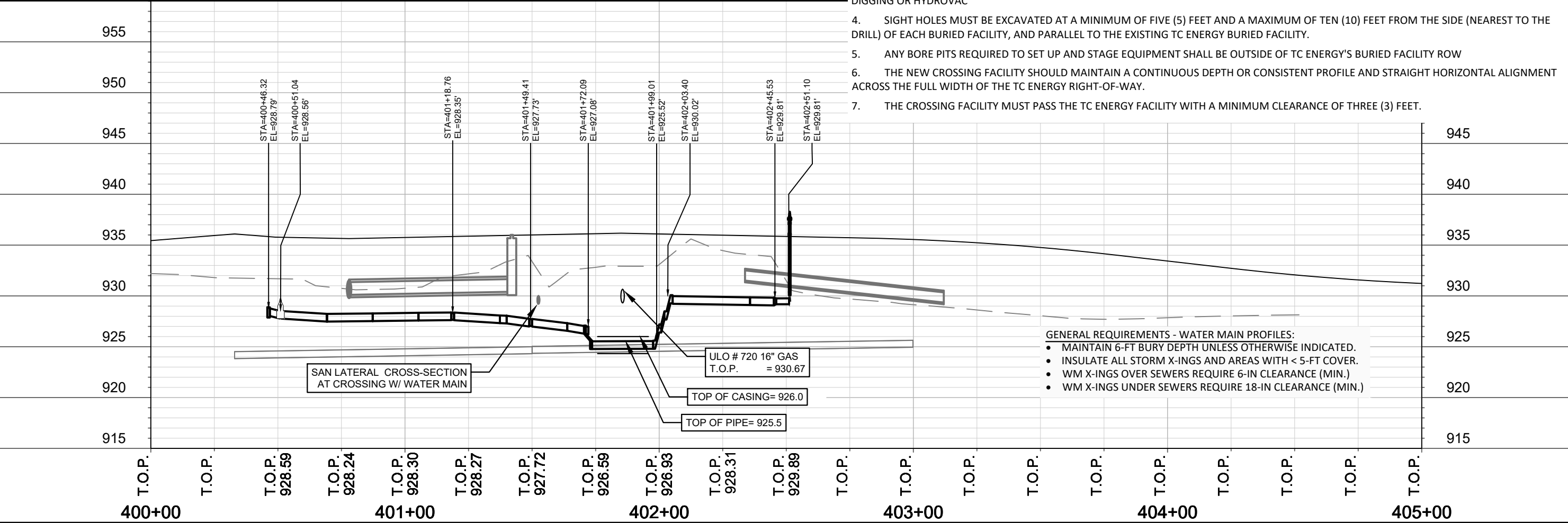


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 W-3



HIGH PRESSURE GAS MAIN CROSSINGS

1. NO GROUND DISTURBANCE SHALL BE MADE WITHIN TC ENERGY'S RIGHT OF WAY OR WITHIN 25 FEET MEASURED AT RIGHT ANGLES, OF THE PIPELINES EXCEPT IN THE PRESENCE OF A TC ENERGY REPRESENTATIVE
2. NOTICE OF AT LEAST SEVENTY-TWO (72) HOURS IN ADVANCE OF CONSTRUCTION MUST BE PROVIDED. CONTRACTOR MUST CONTACT TC ENERGY FIELD REPRESENTATIVE JASON JENSEN AT (608) 449-4640. TC ENERGY WILL ARRANGE FOR A REPRESENTATIVE TO BE ON SITE WHEN WORK IS OCCURRING ON OR NEAR THE RIGHT OF WAY AREA OR WITHIN 25 FEET OF THE PIPELINES. AFTER HOURS CALL 1-800-447-8066.
3. THE TOP AND SIDE CLOSEST TO THE JACK/DRILL OF ALL TC ENERGY PIPELINES OR BURIED FACILITIES MUST BE EXPOSED BY HAND DIGGING OR HYDROVAC
4. SIGHT HOLES MUST BE EXCAVATED AT A MINIMUM OF FIVE (5) FEET AND A MAXIMUM OF TEN (10) FEET FROM THE SIDE (NEAREST TO THE DRILL) OF EACH BURIED FACILITY, AND PARALLEL TO THE EXISTING TC ENERGY BURIED FACILITY.
5. ANY BORE PITS REQUIRED TO SET UP AND STAGE EQUIPMENT SHALL BE OUTSIDE OF TC ENERGY'S BURIED FACILITY ROW
6. THE NEW CROSSING FACILITY SHOULD MAINTAIN A CONTINUOUS DEPTH OR CONSISTENT PROFILE AND STRAIGHT HORIZONTAL ALIGNMENT ACROSS THE FULL WIDTH OF THE TC ENERGY RIGHT-OF-WAY.
7. THE CROSSING FACILITY MUST PASS THE TC ENERGY FACILITY WITH A MINIMUM CLEARANCE OF THREE (3) FEET.



- 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.)

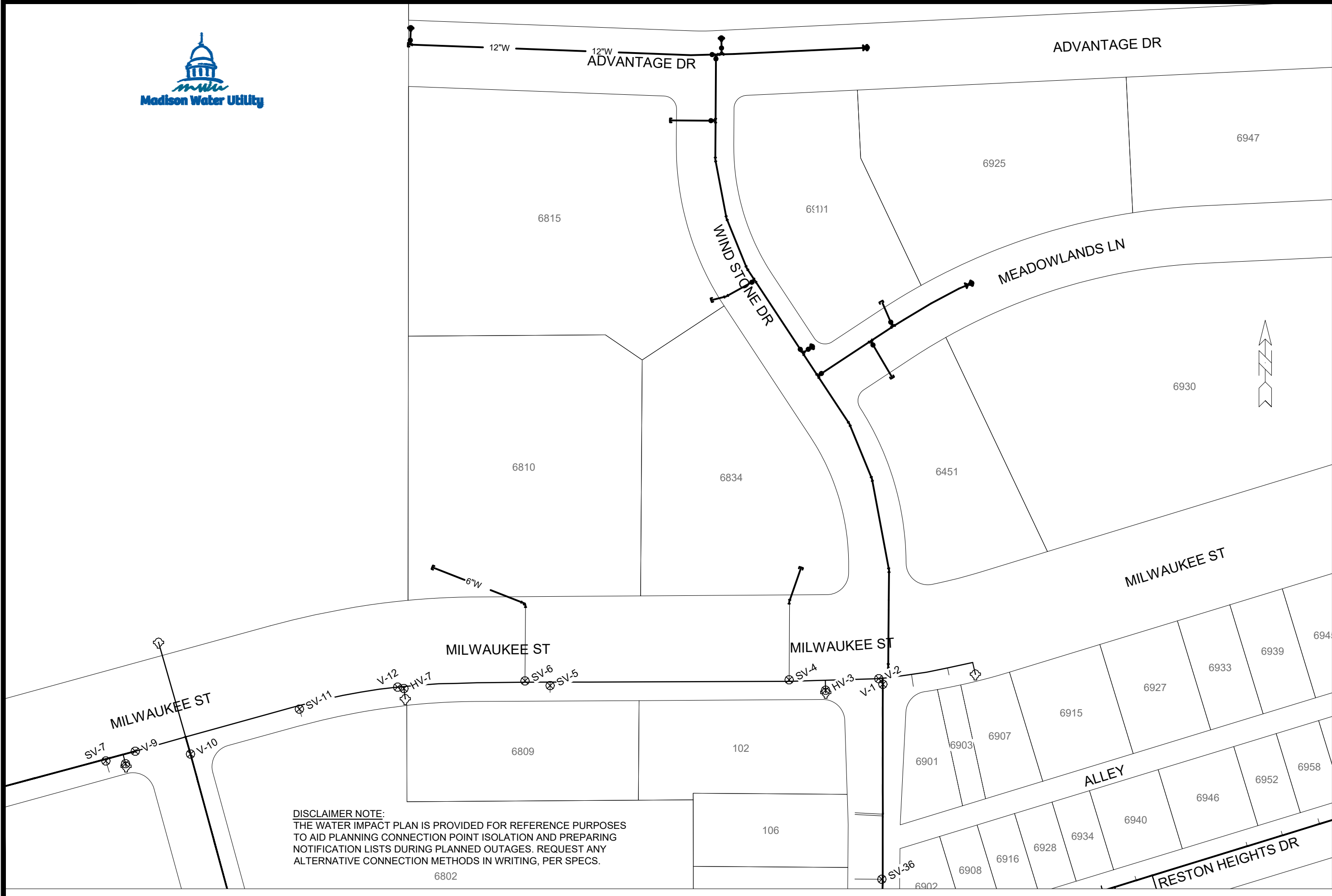
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 DESIGNED BY: KBM
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 12/4/20

CONTRACT NO: 8042

THE MEADOWLANDS: PHASE 11
 PLAN & PROFILE: MEADOWLAND LANE - WATER
 CITY OF MADISON, WISCONSIN



11748
 W-4



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'
 DESIGNED BY: KBM
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 11/23/2020

CONTRACT NO: 8042

THE MEADOWLANDS PH. 11
 WATER IMPACT PLAN
 CITY OF MADISON, WISCONSIN



11748
 W-6

CONSTRUCTION NOTES:

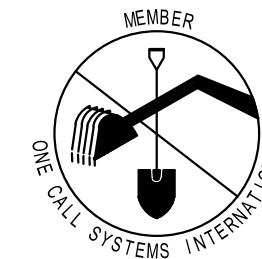
- | | |
|---|---|
| <ol style="list-style-type: none"> 1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER. 2. VERIFY SIZE OF EXISTING WATER SERVICES AND 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. | <p>WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.</p> <p>WN-2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.</p> <p>WN-3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.</p> <p>WN-4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.</p> <p>WN-5 RELOCATE THE EXISTING FIRE HYDRANT.</p> <p>WN-6 ABANDON WATER VALVE ACCESS STRUCTURE.</p> <p>WN-7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.</p> <p>WN-8 ABANDON THE VALVE BOX.</p> <p>WN-9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.</p> <p>WN-10 REMOVE AND SALVAGE EXISTING HYDRANT</p> <p>WN-11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE</p> <p>WN-20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.</p> |
|---|---|

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 MATERIALS SUPPLIED BY CONTRACTOR:**

DESCRIPTION	QUANTITY	UNIT
FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	370	LNFT
FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	160	LNFT
FURNISH AND INSTALL 12-INCH PIPE & FITTINGS	1290	LNFT
FURNISH AND INSTALL 6-INCH WATER VALVE	7	EACH
FURNISH AND INSTALL 8-INCH WATER VALVE	1	EACH
FURNISH AND INSTALL 12-INCH WATER VALVE	4	EACH
FURNISH INSTALL AND SALVAGE HYDRANT	5	EACH
FURNISH AND INSTALL STYROFOAM	72	LNFT
6-IN MJ CAP	6	EACH
12-IN MJ CAP	1	EACH
6-IN 45° BEND	1	EACH
6-IN 22-1/2° BEND	1	EACH
6-IN 11-1/4° BEND	1	EACH
8-IN 45° BEND	2	EACH
12-IN 11-1/4° BEND	7	EACH
12-IN 45° BEND	4	EACH
8X6-IN REDUCER	1	EACH
12X6-IN REDUCER	1	EACH
8X6-IN TEE	2	EACH
12X6-IN TEE	5	EACH
12X8-IN TEE	1	EACH
12X12-IN TEE	2	EACH
6X18-IN OFFSET	2	EACH
8-IN X 18-IN OFFSET	1	EACH
12-IN X 24-IN OFFSET	2	EACH
20-IN CASING	20	LNFT
24-IN CASING	60	LNFT

***ESTIMATE OF MATERIALS SUPPLIED BY WATER UTILITY:**

NONE

***ESTIMATE OF MATERIALS SALVAGED:**

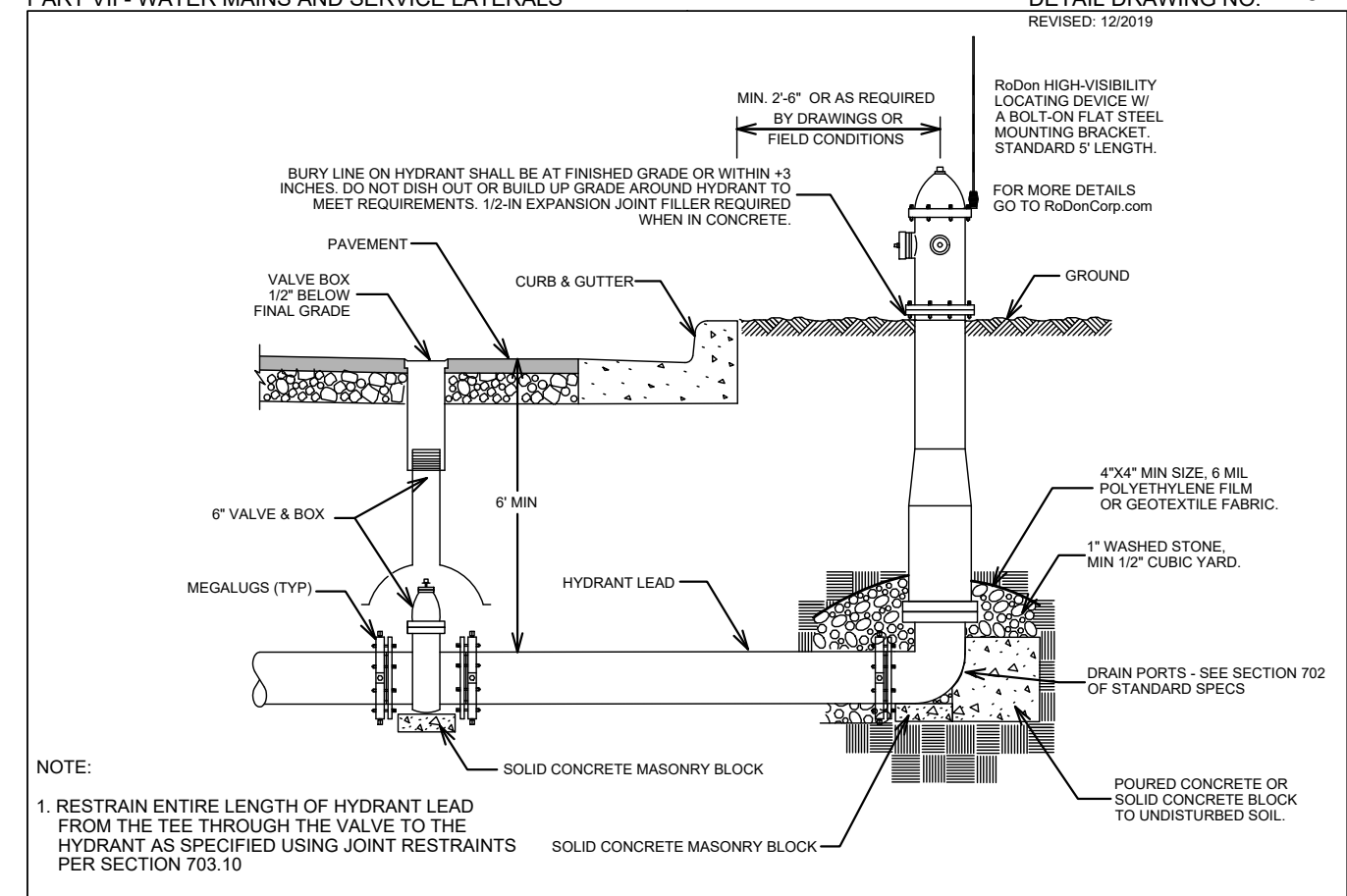
NONE

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

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2019



CITY OF MADISON
WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

THE MEADOWLANDS: PHASE 11

WATER ESTIMATE OF MATERIALS

CITY OF MADISON, WISCONSIN

SCALE: N/A
DESIGNED BY: KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 11/23/20

CONTRACT NO: 8042



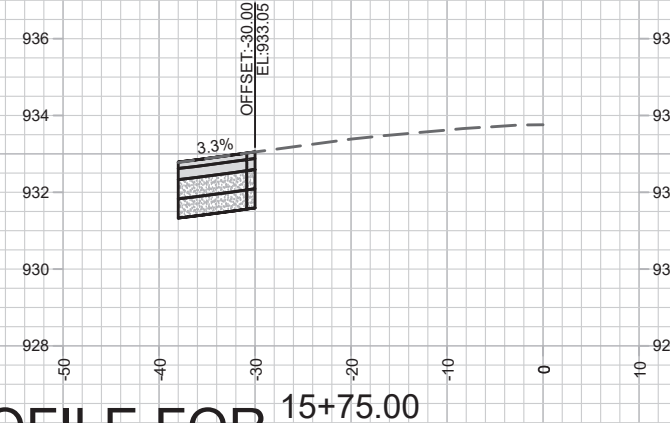
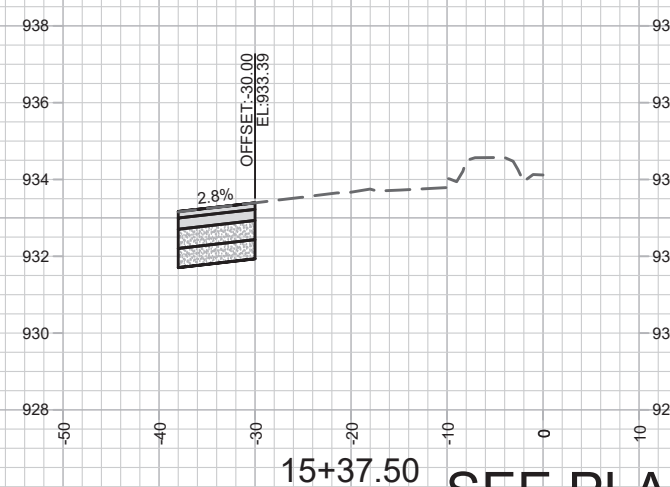
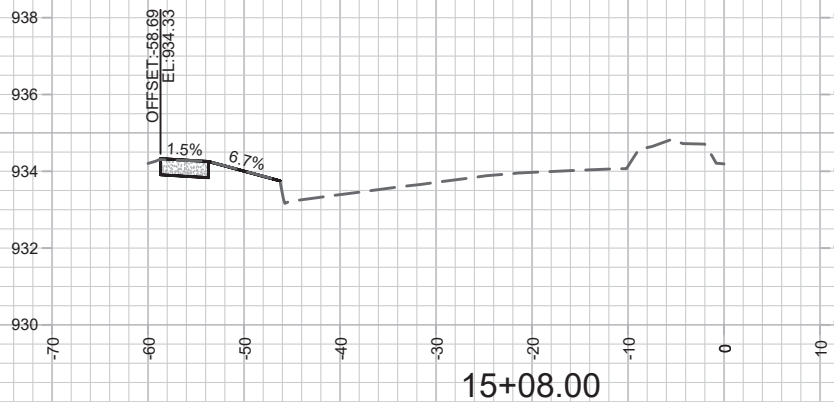
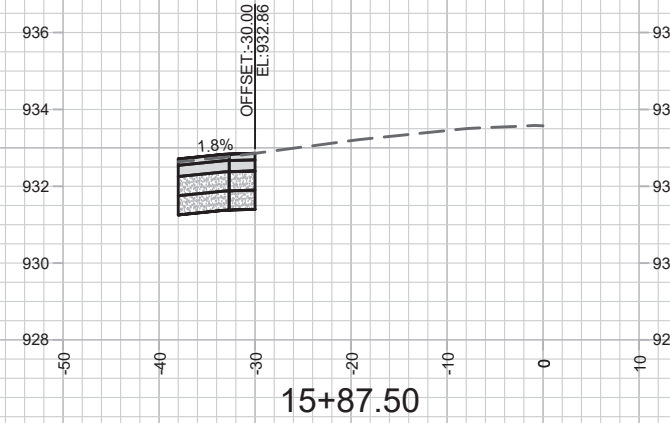
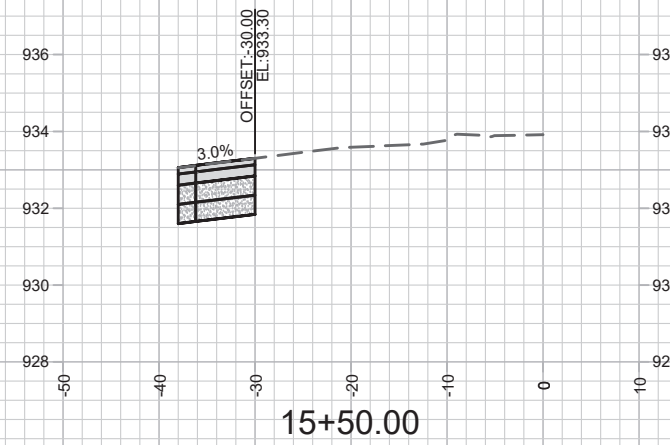
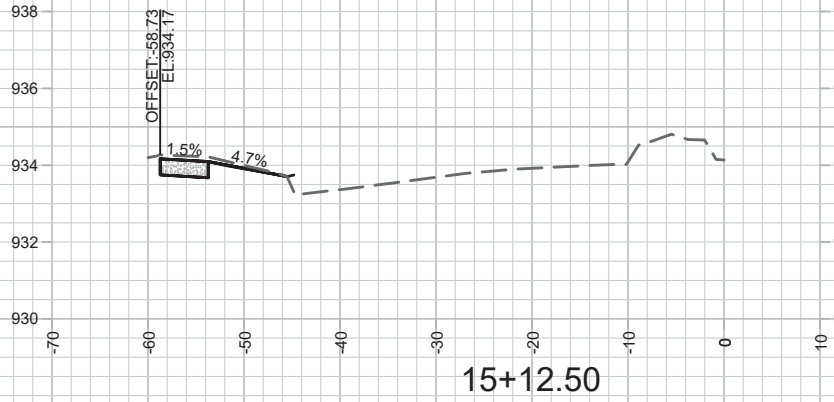
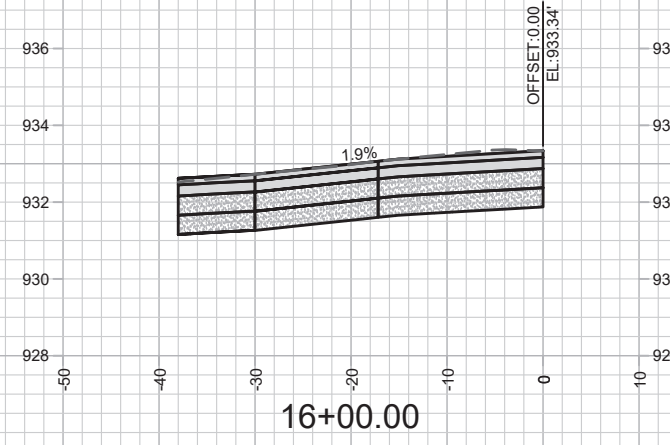
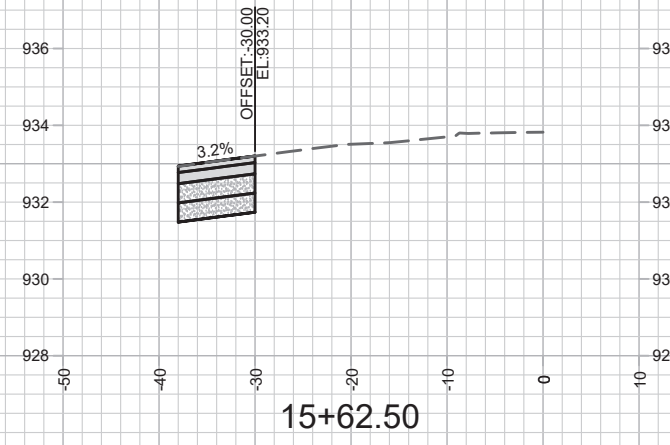
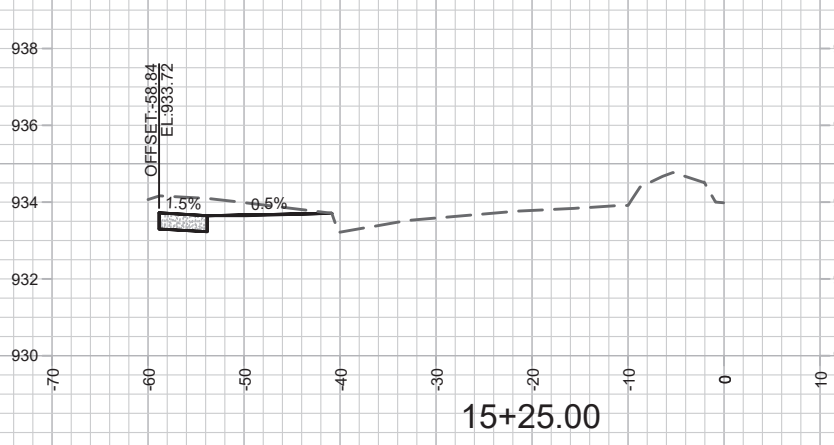
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SEE PLAN & PROFILE FOR INTERSECTION GRADES

SEE PLAN & PROFILE FOR INTERSECTION GRADES

SEE PLAN & PROFILE FOR INTERSECTION GRADES



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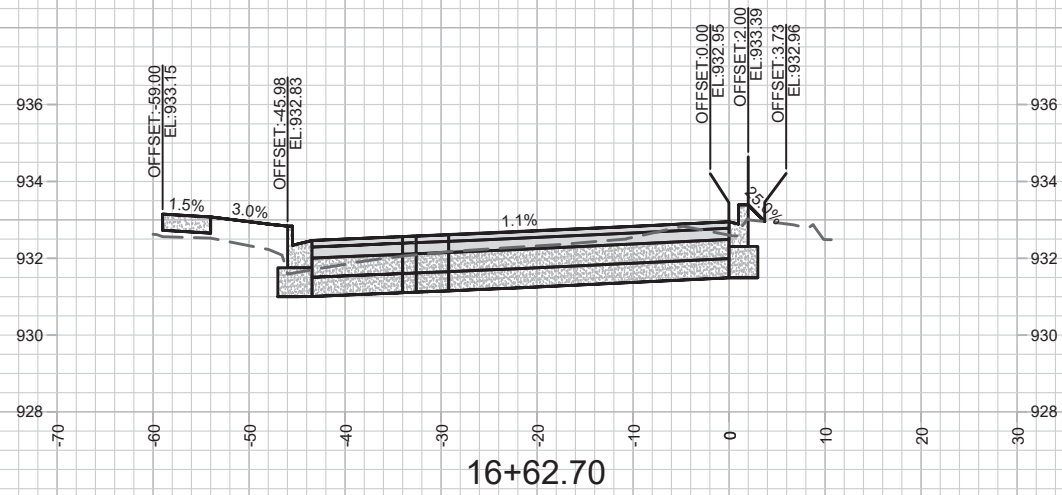
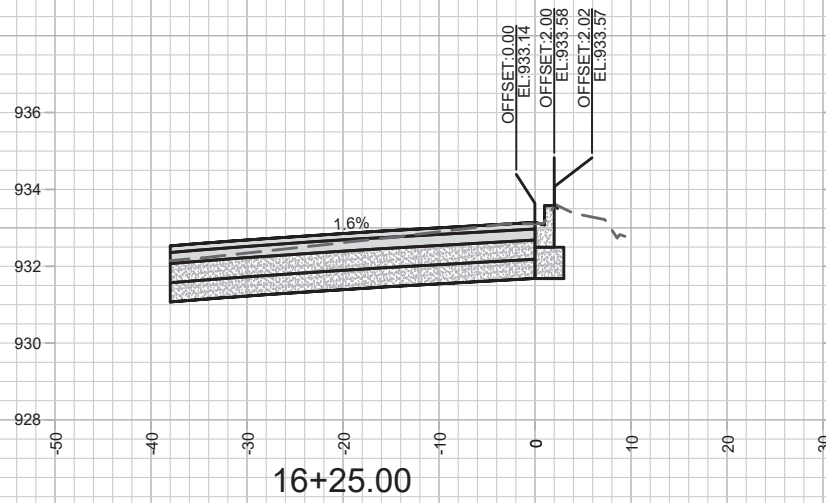
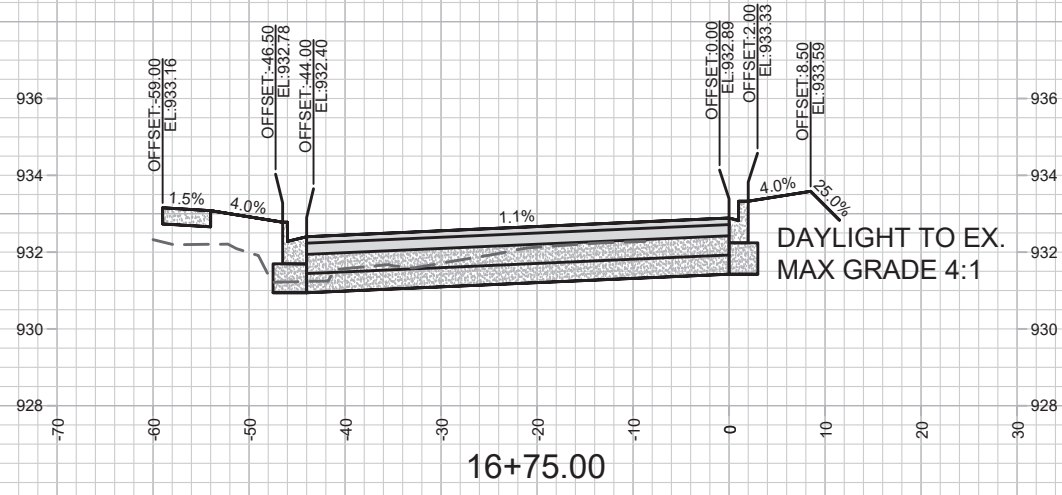
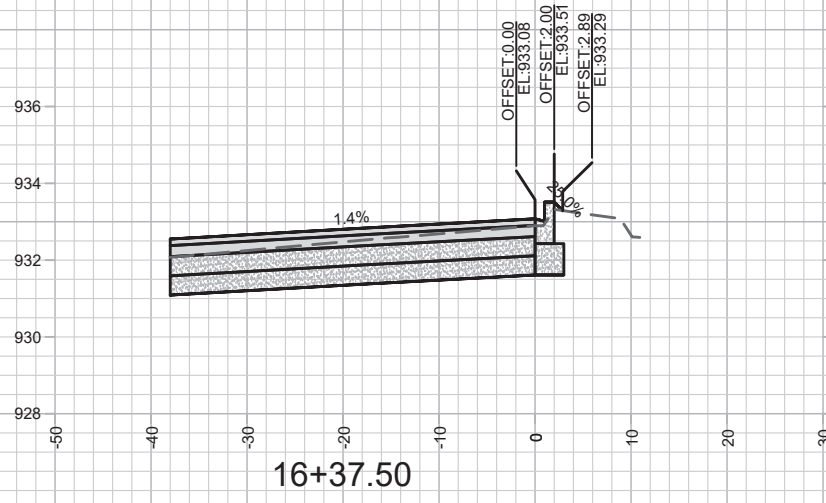
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MADISON, WI
8042
CONTRACT NO:

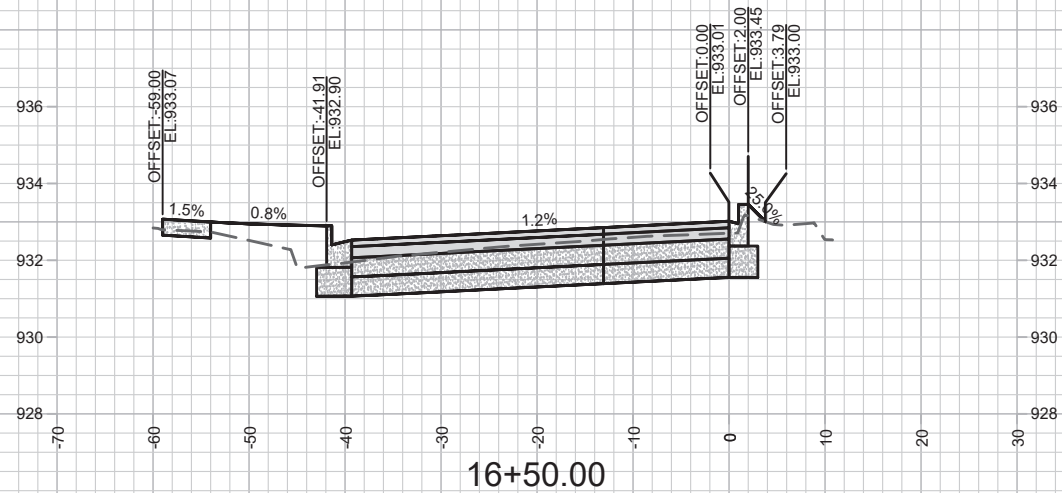
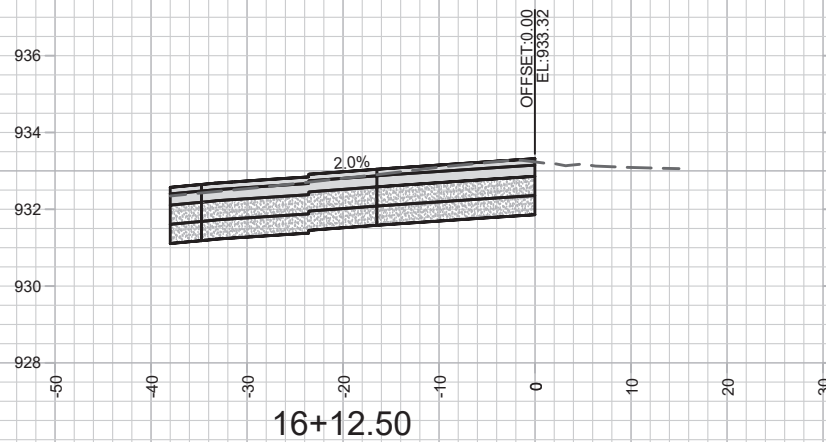
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THE MEADOWLANDS: PHASE 11
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SEE PLAN & PROFILE FOR
INTERSECTION GRADES



SEE PLAN & PROFILE FOR
INTERSECTION GRADES



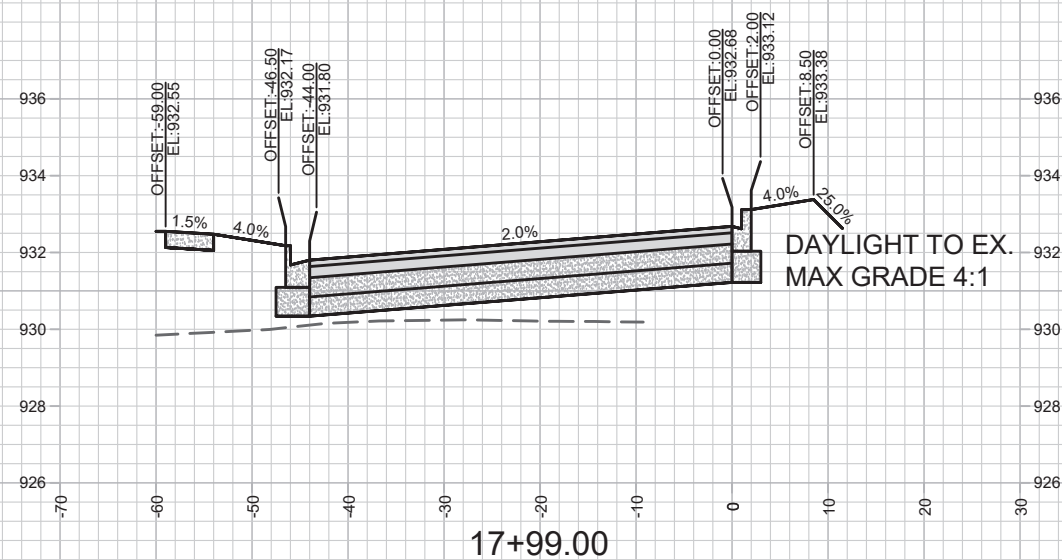
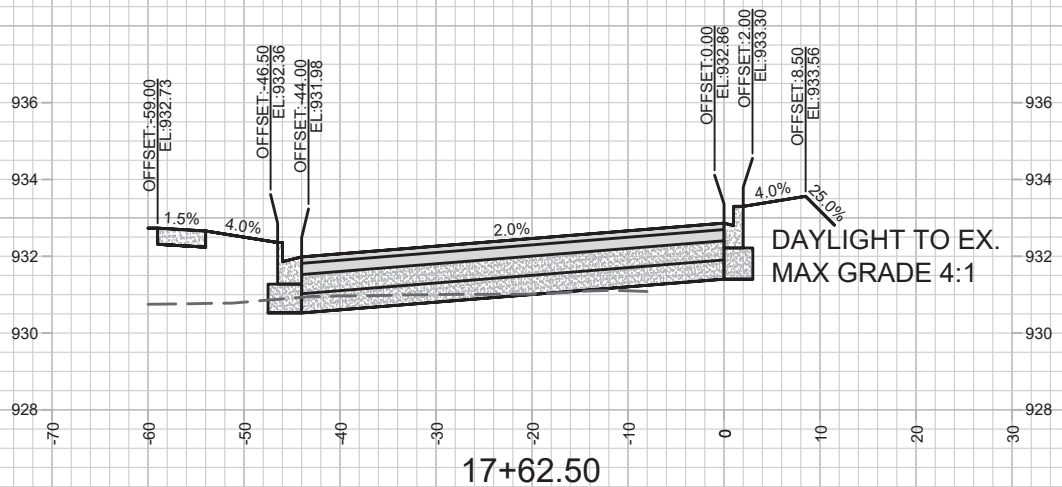
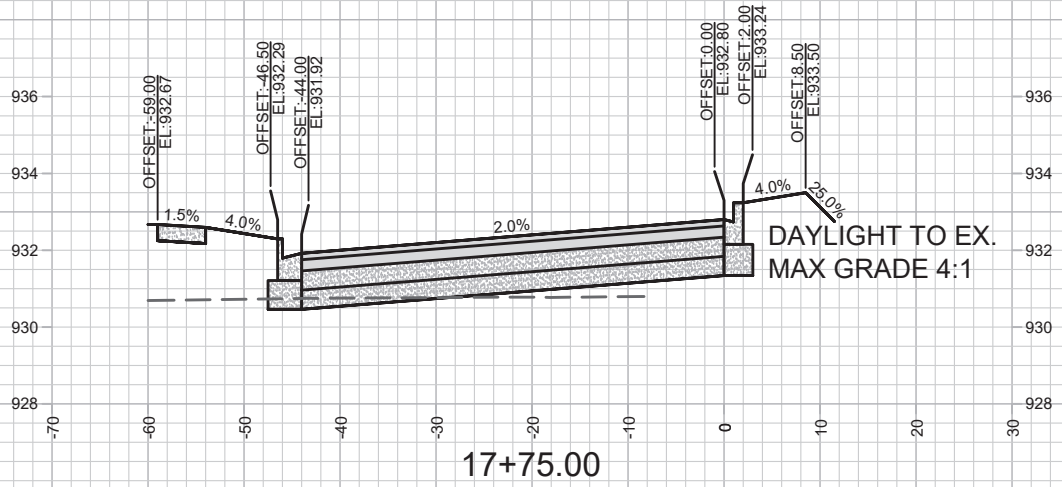
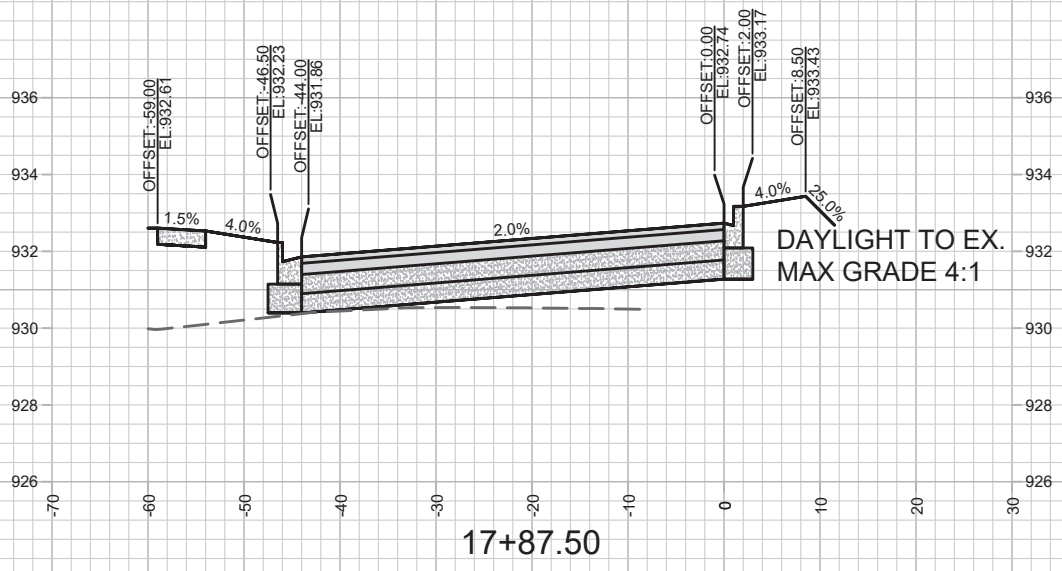
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MILWAUKEE STREET - CROSS-SECTIONS
MADISON, WI
CONTRACT NO: 8042

MILWAUKEE STREET - CROSS-SECTIONS
THE MEADOWLANDS: PHASE 11
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8042
CONTRACT NO:

MILWAUKEE STREET - CROSS-SECTIONS
THE MEADOWLANDS: PHASE 11
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SCALE 1" = 100'

MAINTENANCE LEGEND:

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

MEADOWLANDS: PHASE 11
 PROJECT NO. 11748, CONTRACT NO. 8042
 PRINT IN COLOR WITH NO PENTABLE



FILE LOCATION:
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MARK	REVISION	DATE	BY

11748
 MADISON, WI
 CONTRACT NO: 8042

MAINTENANCE MAP
THE MEADOWLANDS: PHASE 11
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