

CITY OF NORTH ROYALTON EDGERTON ROAD SANITARY IMPROVEMENT PROJECT CUYAHOGA COUNTY, OHIO

JUNE, 2025

NORTH ROYALTON CITY OFFICIALS

LARRY ANTOSKIEWICZ MAYOR
EDWARD HALLER WASTEWATER SUPERINTENDENT

NORTH ROYALTON CITY COUNCIL MEMBERS

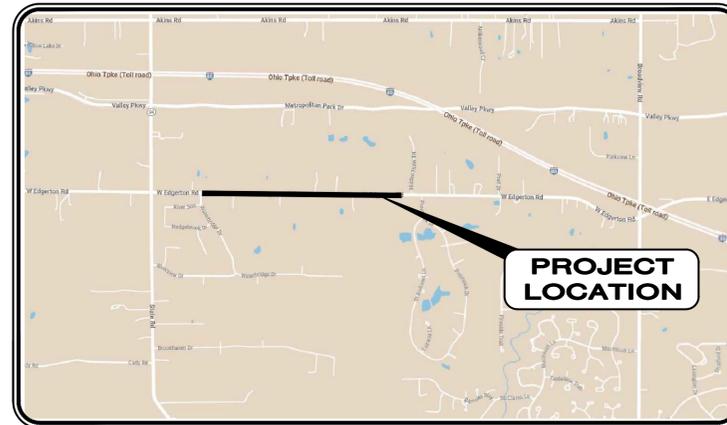
PAUL MARNECHECK	PRESIDENT OF COUNCIL
HELEN DUNLAP	CLERK OF COUNCIL
JOHN NICKELL	WARD 1
LINDA BARATH	WARD 2
JOANNE KREJCI	WARD 3
MARY GORJANC	WARD 4
HEIDI WEBBER	WARD 5
MIKE WOS	WARD 6

UTILITIES

THE FOLLOWING IS THE LIST OF POTENTIAL UTILITY OWNERS WITHIN THE LIMITS OF CONSTRUCTION:

WATER CITY OF CLEVELAND DIVISION OF WATER 1201 LAKESIDE AVENUE, CLEVELAND, OH. 44111 ATTN: FRED ROBERTS PHONE: (216) 664-2444, EXT. 75590 FAX: (216) 664-2838	GAS COLUMBIA GAS OF OHIO 7080 FRY ROAD MIDDLEBURG HTS, OH 44130 ATTN: DAN SUREN PHONE: (440) 891-2428 FAX: (440) 891-2497	CABLE BREEZELINE 105 BLAZE INDUSTRIAL PARKWAY BEREA, OHIO 44017 ATTN: LAWRENCE BURRUEL PHONE: (440) 915-9256
ELECTRIC CEI, FIRST ENERGY 6896 MILLER RD., STE 101 BRECKSVILLE, OH. 44141 ATTN: FRANK DIBBS PHONE: (440) 546-8748 FAX (440) 546-8773	TELECOMMUNICATIONS VERIZON 120 RAVINE STREET AKRON, OH 44303 ATTN: AL GUEST PHONE: (330) 253-8267	CABLE SPECTRUM CABLE/ TIME WARNER CABLE 8179 DOW CIRCLE STRONGSVILLE, OH. 44136 ATTN: MARK HOEFLE (EXT: 5034) ATTN: GARY NAUMANN (EXT: 5033) PHONE: (216) 854-0717 PHONE: (216) 555-5036 (FOR CONSTRUCTION) FAX: (440) 826-2939
GAS ENBRIDGE 320 SPRINGSIDE DR., STE 320 AKRON, OH. 44333 ATTN: BRYAN DAYTON PHONE: (330) 664-2409 EMERGENCY DISPATCH NO.: (216) 736-6651 FAX: (216) 736-6883	TELECOMMUNICATIONS SBC (AT&T) 13630 LORAIN AVENUE 2ND FLOOR CLEVELAND, OHIO 44111 ATTN: JAMES JANIS PHONE: (216) 476-6142 FAX: (216) 476-6013	

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LOCATION MAP
NOT TO SCALE

CITY OF NORTH ROYALTON DEPARTMENT CONTACTS

SERVICE DEPARTMENT 11545 ROYALTON ROAD NORTH ROYALTON, OH. 44133 ATTN: NICK CINQUEPALMI, SERVICE DIRECTOR PHONE: (440) 582-3002	WASTE WATER TREATMENT PLANT 11675 ROYALTON ROAD NORTH ROYALTON, OH. 44133 ATTN: EDWARD HALLER, SUPERINTENDENT PHONE: (440) 237-5010	NORTH ROYALTON POLICE DEPT. 14000 BENNETT ROAD NORTH ROYALTON, OH. 44133 PHONE: (440) 237-8686
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Justin Haselton

JUSTIN HASELTON CITY ENGINEER

05/01/2025
DATE



1. UNDERGROUND UTILITY LINES ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, MAINTAINING AND REPLACING AS NECESSARY TO ENSURE CONTINUAL SERVICE.
2. THE CONTRACTOR IS RESPONSIBLE TO CALL OHIO UTILITIES PROTECTION SERVICE @ 1-800-362-2764, THREE WORKING DAYS PRIOR TO CONSTRUCTION.

ASPHALT DRIVE MATERIALS (TYPE "C")

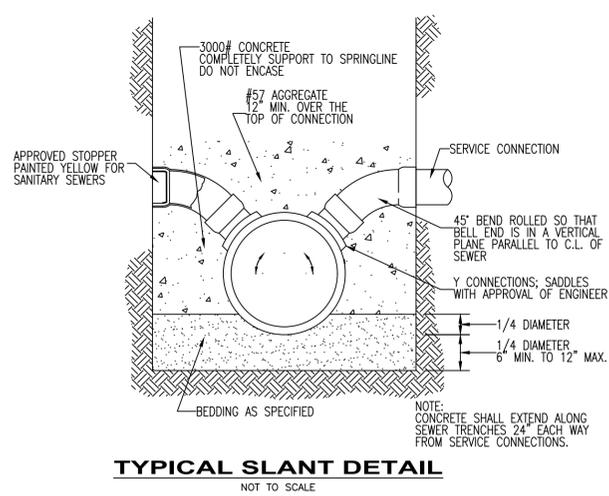
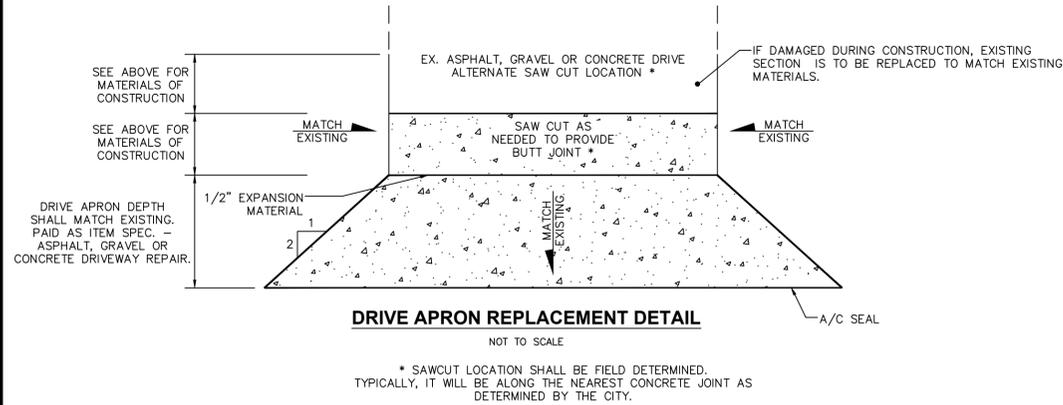
3" O.D.O.T. ITEM 448 ASPHALT SURFACE COURSE
6" O.D.O.T. ITEM 304 AGGREGATE BASE
ASPHALT SEAL JOINTS

GRAVEL DRIVE MATERIALS

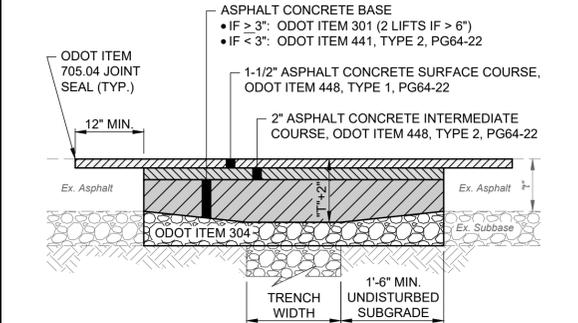
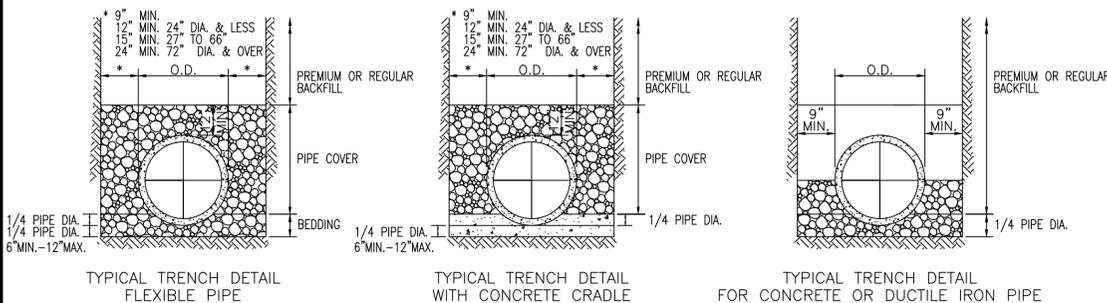
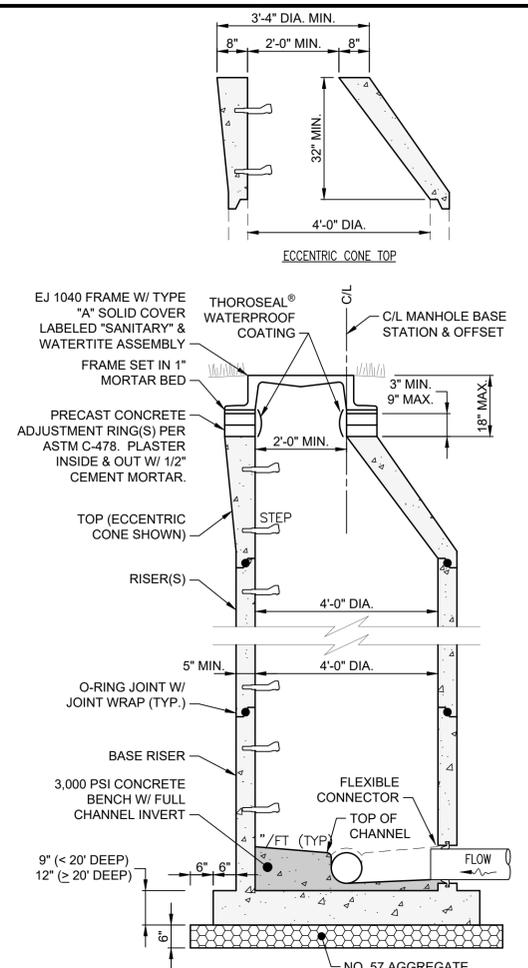
REPLACE WITH ASPHALT PAVEMENT
(SEE ASPHALT DRIVE MATERIALS)

CONCRETE APRON, "THRU SIDEWALK" & DRIVE MATERIALS (TYPE "A")

ODOT ITEM 451, 7" REINFORCED CONCRETE W/ 5# WIRE MESH
4" COMPACTED O.D.O.T. NO. 57 LIMESTONE BASE

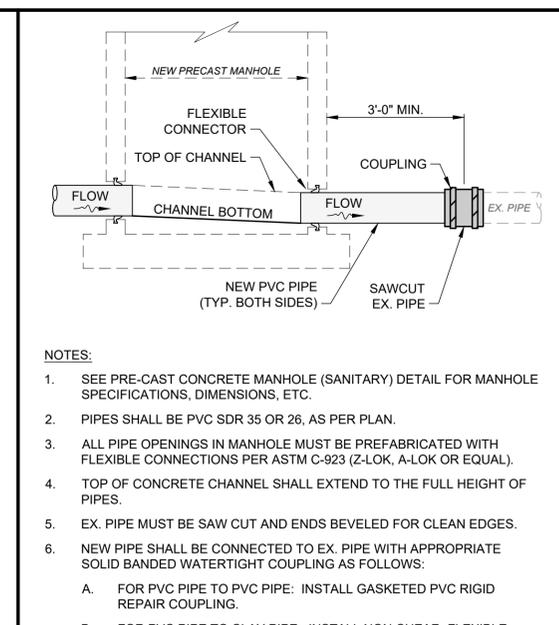
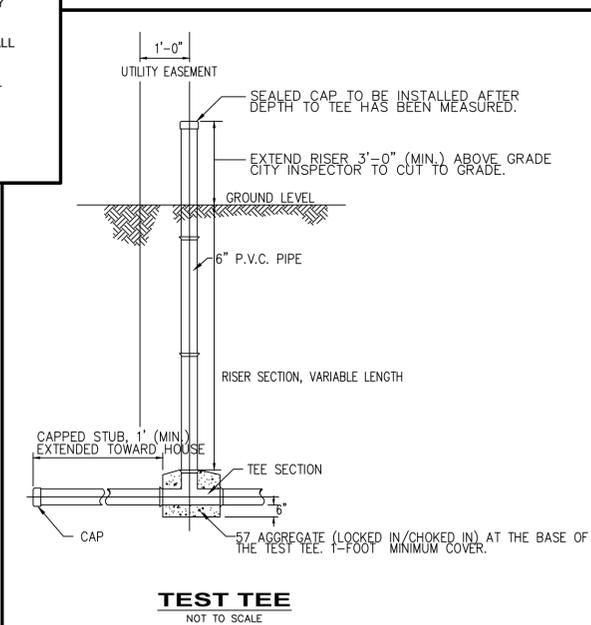
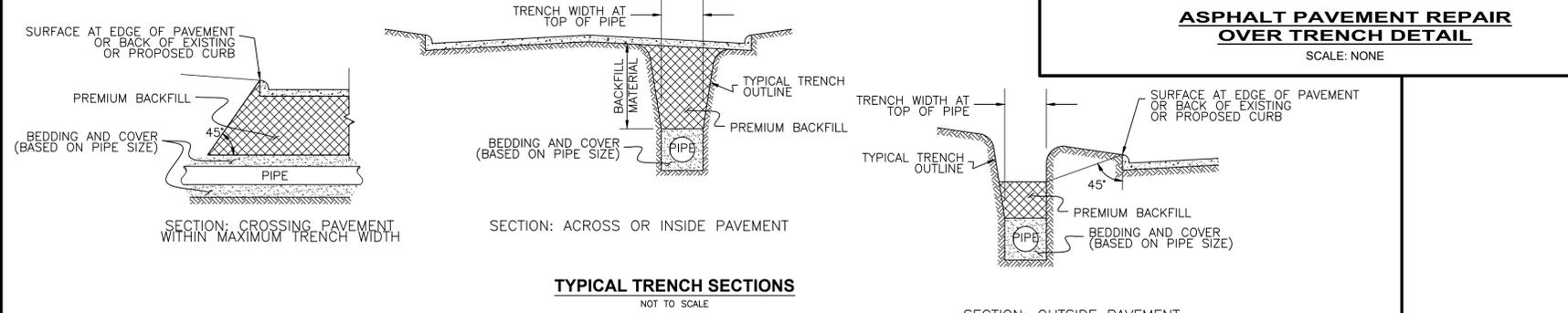


- NOTES:
- TOP SECTION SHALL BE AN ECCENTRIC CONE. ROTATE CONE TO OFFSET MANHOLE CASTING TO AVOID SIDEWALKS, UNDERDRAINS AND CURBS. USE FLAT SLAB TOP IF MANHOLE IS LESS THAN 6'-3" DEEP.
 - O-RING JOINT BETWEEN PRECAST MANHOLE SECTIONS SHALL BE RESILIENT WATERTIGHT GASKET PER ASTM C-443.
 - PRECAST MANHOLE AND REINFORCEMENT SHALL CONFORM TO ASTM C-478.
 - STRUCTURE SHALL MEET H-20 LOADING.
 - BASE MUST BE PRECAST MONOLITHIC WITH BASE RISER.
 - ALL PIPE OPENINGS MUST BE PRECAST WITH FLEXIBLE CONNECTIONS (Z-LOK OR A-LOK) PER ASTM C-923.
 - WRAP ALL INSIDE AND OUTSIDE MANHOLE JOINTS WITH 24" WIDE EXTERIOR JOINT WRAP PER ASTM C-877 TYPE III, CONSEAL CS-212.
 - CONCRETE CHANNEL TOP SHALL EXTEND TO FULL HEIGHT OF PIPE(S).
 - CONCRETE BENCH AND CHANNEL(S) SHALL BE PRECAST AS ONE PIECE IN THE BASE SECTION. ALL PIPES SHALL HAVE POURED INVERTS.
 - ALL PRECAST CONCRETE SECTIONS SHALL BE MANUFACTURED AND FURNISHED AS SOLID SECTIONS WITHOUT LIFT HOLES OF ANY KIND.
 - USE REINFORCED PLASTIC MANHOLE STEPS.
 - FIRST STEP SHALL NOT BE MORE THAN 2'-0" BELOW TOP OF FRAME. MAKE PROJECTION 3-1/2" IF IN 24" DIA. SECTION.
 - MANHOLE MUST PASS A VACUUM TEST PER ASTM C-1244.
 - ANY PRECAST CONCRETE SECTION DAMAGED IN TRANSIT OR ON-SITE AND WHERE THE WATER TIGHTNESS OF THE SECTION HAS BEEN ADVERSELY AFFECTED SHALL BE REPLACED AND NOT UTILIZED IN THE CONSTRUCTION OF THE MANHOLE.

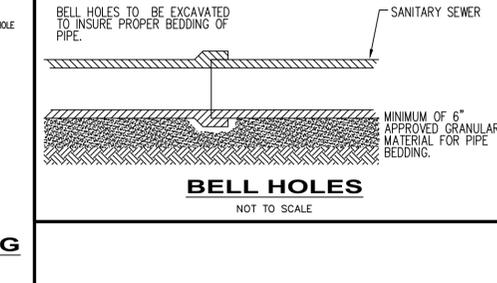
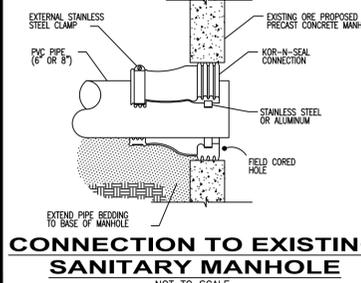


- NOTES:
- ASPHALT PAVEMENT TO BE REMOVED SHALL BE SAW CUT IN A NEAT AND STRAIGHT LINE. ADDITIONAL SAW CUTS MAY BE DESIRED TO FACILITATE REMOVAL, BUT THERE WILL BE NO EXTRA PAYMENT.
 - PAVEMENT SHALL BE REMOVED WITHOUT DAMAGING OR UNDERMINING THE PAVEMENT TO REMAIN. IF ADJACENT PAVEMENT IS DAMAGED, THE CONTRACTOR SHALL MAKE ADDITIONAL SAW CUTS, REMOVE THE DAMAGED AREAS AND REPAIR AS NECESSARY WITH NO ADDITIONAL COMPENSATION.
 - TACK COAT SHALL BE APPLIED TO THE EXPOSED EX. ASPHALT BASE COURSE AND ALL SIDES OF PATCH.
 - ODOT ITEM 705.04 JOINT SEALANT SHALL BE APPLIED AROUND THE EDGE OF PATCH.

- NOTES:
- PREMIUM BACKFILL SHALL CONSIST OF COARSE INTERLOCKING AGGREGATE NO. 57, 6, 67, 68, 7, 78 OR 8. PIPE COVER SHALL CONSIST OF COARSE INTERLOCKING AGGREGATE NO. 57, 6, 67, 68, 7, 78 OR 8. BEDDING SHALL CONSIST OF COARSE INTERLOCKING AGGREGATE NO. 57, 6, 67, 68, 7, 78 OR 8 FOR 60" OR SMALLER DIAMETER PIPE, FOR 66" OR LARGER DIAMETER PIPE, NO.4 AGGREGATE MAY BE USED.
- TRENCH WIDTH FOR TRENCH WITH CONCRETE CRADLE SHALL CONFORM TO TYPE I BEDDING, CRADLE WIDTH TO BE O.D. + 9" ON EACH SIDE OF PIPE. FOR CONCRETE AND DUCTILE IRON PIPE, PIPE COVER IS TO THE SPRING-LINE OR GREATER. IN PAVED AREAS, COARSE INTERLOCKING AGGREGATE TO THE TOP OF THE TRENCH ON ALL TYPES OF PIPE.
- TRENCH BEDDING SHALL CONFORM TO ASTM D 2321, CLASS IA, IB, II OR III.



- NOTES:
- SEE PRE-CAST CONCRETE MANHOLE (SANITARY) DETAIL FOR MANHOLE SPECIFICATIONS, DIMENSIONS, ETC.
 - PIPES SHALL BE PVC SDR 35 OR 26, AS PER PLAN.
 - ALL PIPE OPENINGS IN MANHOLE MUST BE PREFABRICATED WITH FLEXIBLE CONNECTIONS PER ASTM C-923 (Z-LOK, A-LOK OR EQUAL).
 - TOP OF CONCRETE CHANNEL SHALL EXTEND TO THE FULL HEIGHT OF PIPES.
 - EX. PIPE MUST BE SAW CUT AND ENDS BEVELED FOR CLEAN EDGES.
 - NEW PIPE SHALL BE CONNECTED TO EX. PIPE WITH APPROPRIATE SOLID BANDED WATERTIGHT COUPLING AS FOLLOWS:
 - FOR PVC PIPE TO PVC PIPE: INSTALL GASKETED PVC RIGID REPAIR COUPLING.
 - FOR PVC PIPE TO CLAY PIPE: INSTALL NON-SHEAR, FLEXIBLE WATERTIGHT FERROCEMENT RC 5000 SERIES COUPLING.



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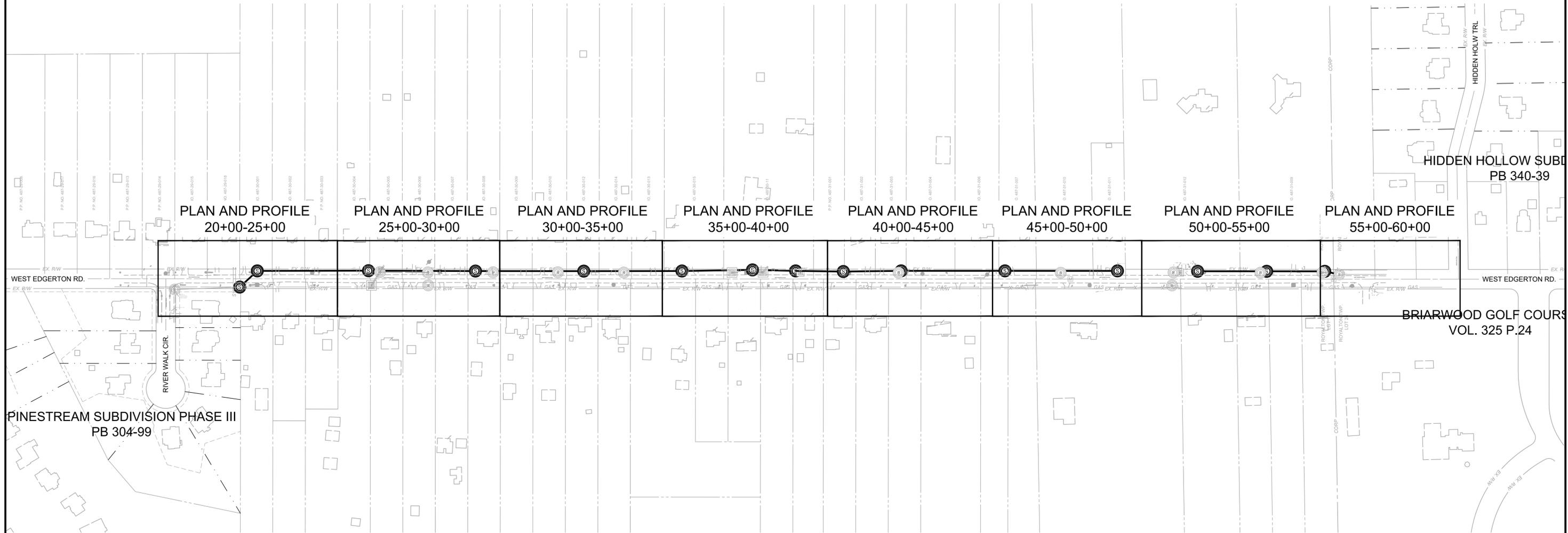
**EDGERTON ROAD
SANITARY IMPROVEMENT PROJECT**

CUYAHOGA COUNTY NORTH ROYALTON, OHIO

ISSUED FOR:	BID
ISSUE DATE:	JUNE, 2025
SCALE:	AS SHOWN
DESIGNED BY:	WTV/JRH
DRAWN BY:	WTV
CHECKED BY:	JRH

STANDARD DETAILS

PROJECT NO.	220259
DISCIPLINE	CIVIL
SHEET NAME	
SHEET	OF
3	12



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**EDGERTON ROAD
SANITARY IMPROVEMENT PROJECT**

CUYAHOGA COUNTY

NORTH ROYALTON, OHIO

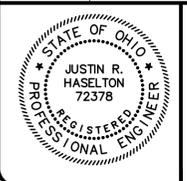
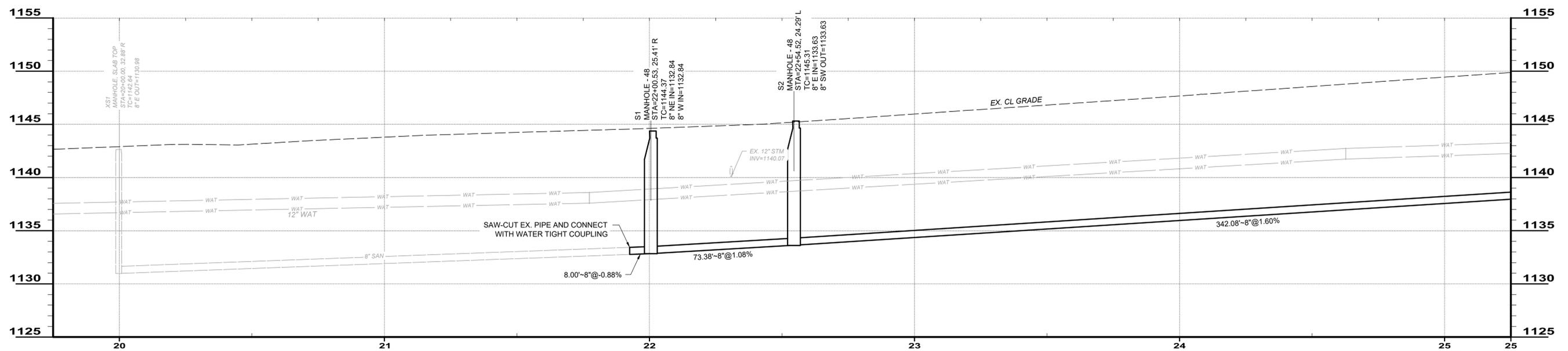
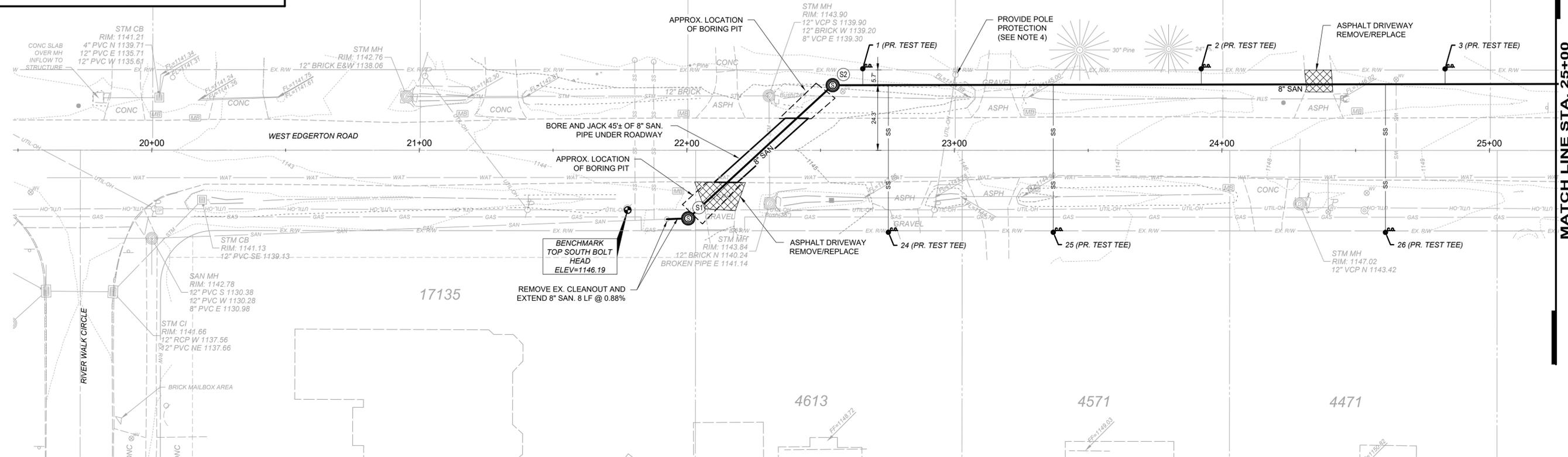
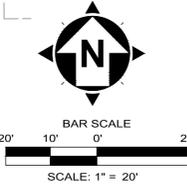
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SCHEMATIC PLAN

PROJECT NO. 220259	
DISCIPLINE CIVIL	
SHEET NAME	
SHEET 4	OF 12

SHEET NOTES:

- ALL LATERALS UNDER THE EXISTING ROADWAY SHALL BE BORED AND JACKED.
- MAINTAIN MINIMUM 10 FT. HORIZONTAL AND 18 IN. VERTICAL CLEARANCE (OUT TO OUT) BETWEEN ALL WATER MAIN OR SERVICE LINE AND ALL SANITARY OR STORM SEWER MAIN LINE OR SERVICE LATERAL, STRUCTURE OR SANITARY FORCE MAIN.
- MAINTAIN MINIMUM 5 FT. HORIZONTAL AND 12 IN. VERTICAL CLEARANCE (OUT TO OUT) BETWEEN ALL SANITARY LINE, FORCE MAIN, SERVICE LATERAL OR STRUCTURE AND ALL STORM SEWER MAIN LINE, SERVICE LATERAL OR STRUCTURE.
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- THE CONTRACTOR SHALL NOTIFY RESIDENTS WHEN PROPOSED WORK AREAS MAY EXPAND ONTO PRIVATE PROPERTY.



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CUYAHOGA COUNTY NORTH ROYALTON, OHIO

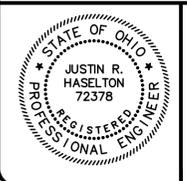
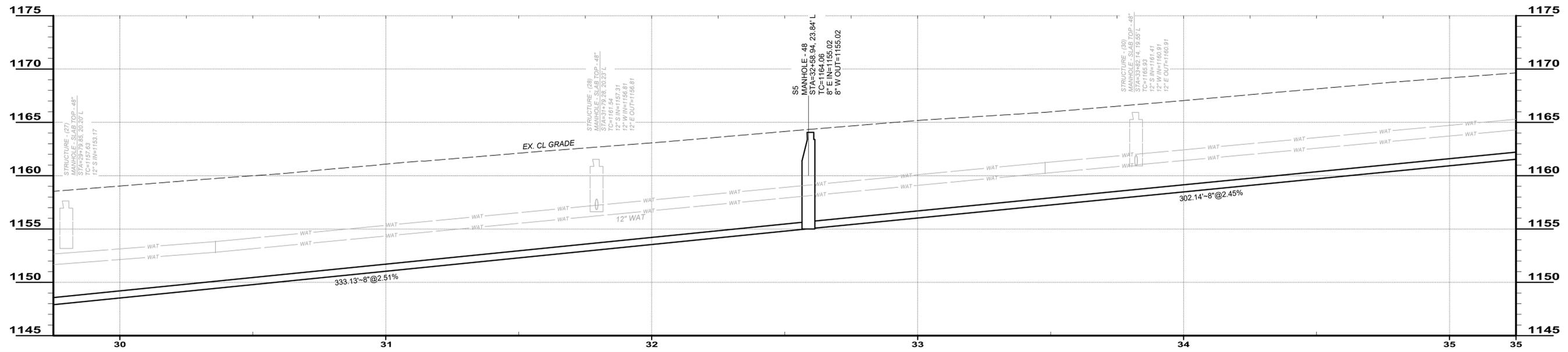
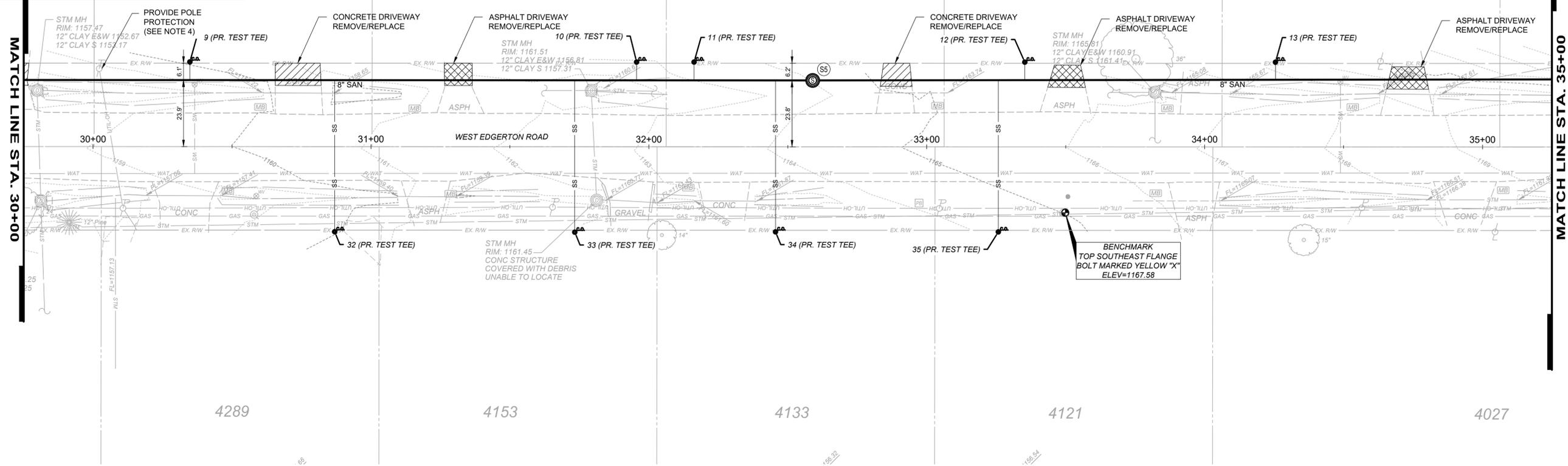
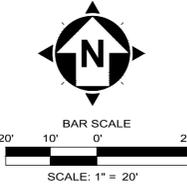
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**PLAN AND PROFILE
20+00-25+00**

PROJECT NO.	220259
DISCIPLINE	CIVIL
SHEET NAME	
SHEET	OF
5	12

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 CUYAHOGA COUNTY NORTH ROYALTON, OHIO

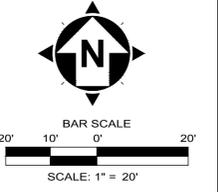
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 DRAWN BY: WTV
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**PLAN AND PROFILE
30+00-35+00**

PROJECT NO.	220259
DISCIPLINE	CIVIL
SHEET NAME	
SHEET	7
OF	12

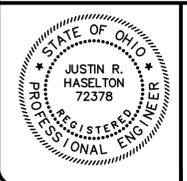
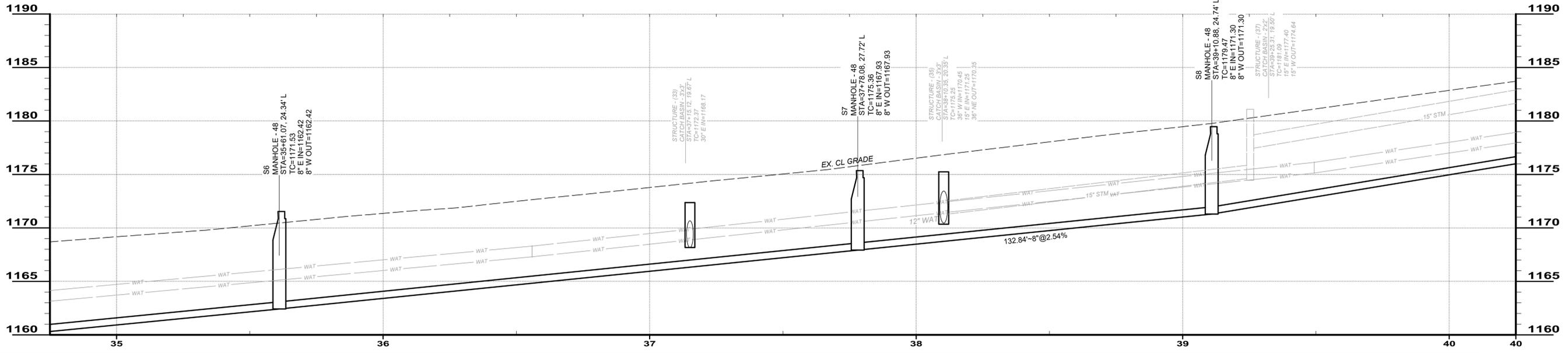
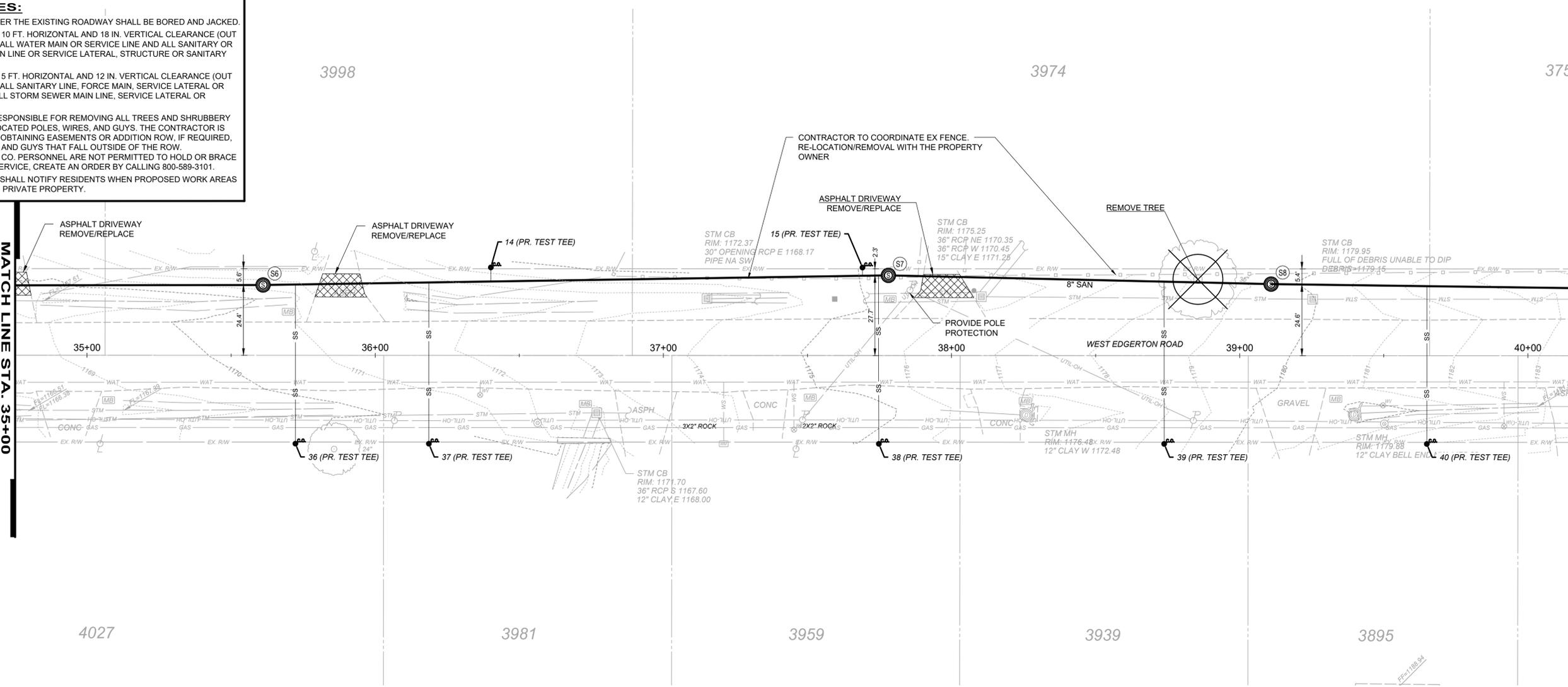
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MATCH LINE STA. 35+00

MATCH LINE STA. 40+00



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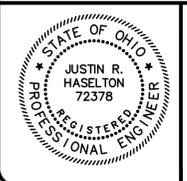
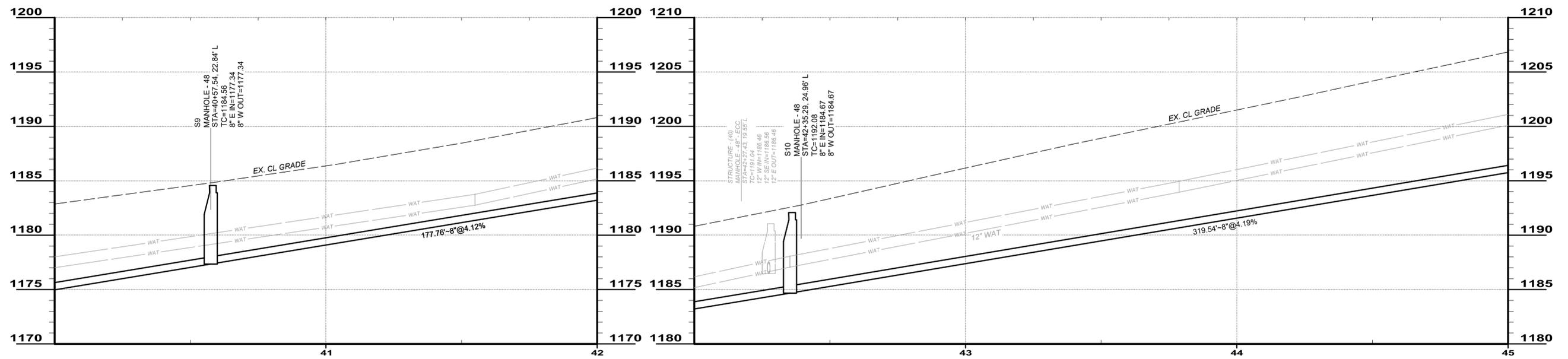
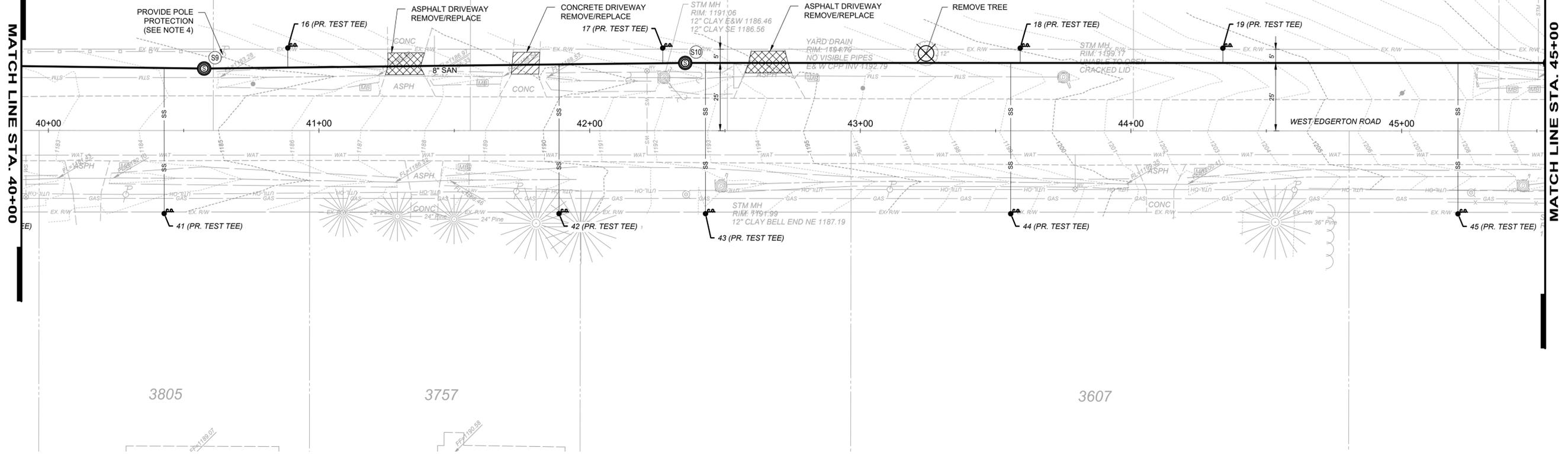
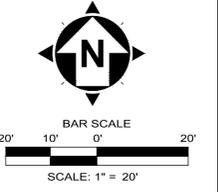
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**PLAN AND PROFILE
35+00-40+00**

PROJECT NO.	220259
DISCIPLINE	CIVIL
SHEET NAME	
SHEET	8
OF	12

SHEET NOTES:

- ALL LATERALS UNDER THE EXISTING ROADWAY SHALL BE BORED AND JACKED.
- MAINTAIN MINIMUM 10 FT. HORIZONTAL AND 18 IN. VERTICAL CLEARANCE (OUT TO OUT) BETWEEN ALL WATER MAIN OR SERVICE LINE AND ALL SANITARY OR STORM SEWER MAIN LINE OR SERVICE LATERAL, STRUCTURE OR SANITARY FORCE MAIN.
- MAINTAIN MINIMUM 5 FT. HORIZONTAL AND 12 IN. VERTICAL CLEARANCE (OUT TO OUT) BETWEEN ALL SANITARY LINE, FORCE MAIN, SERVICE LATERAL OR STRUCTURE AND ALL STORM SEWER MAIN LINE, SERVICE LATERAL OR STRUCTURE.
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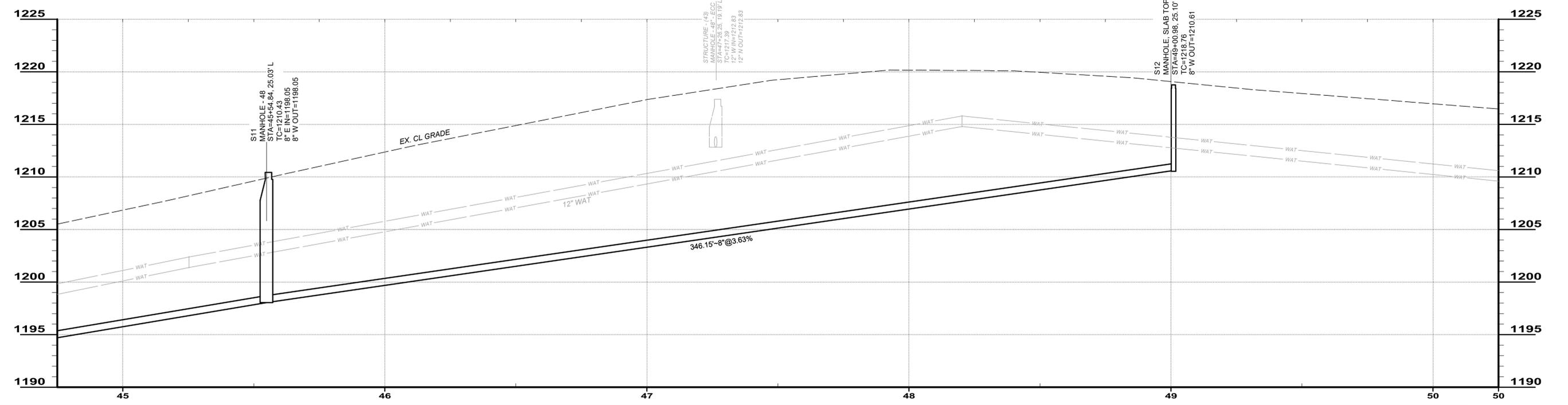
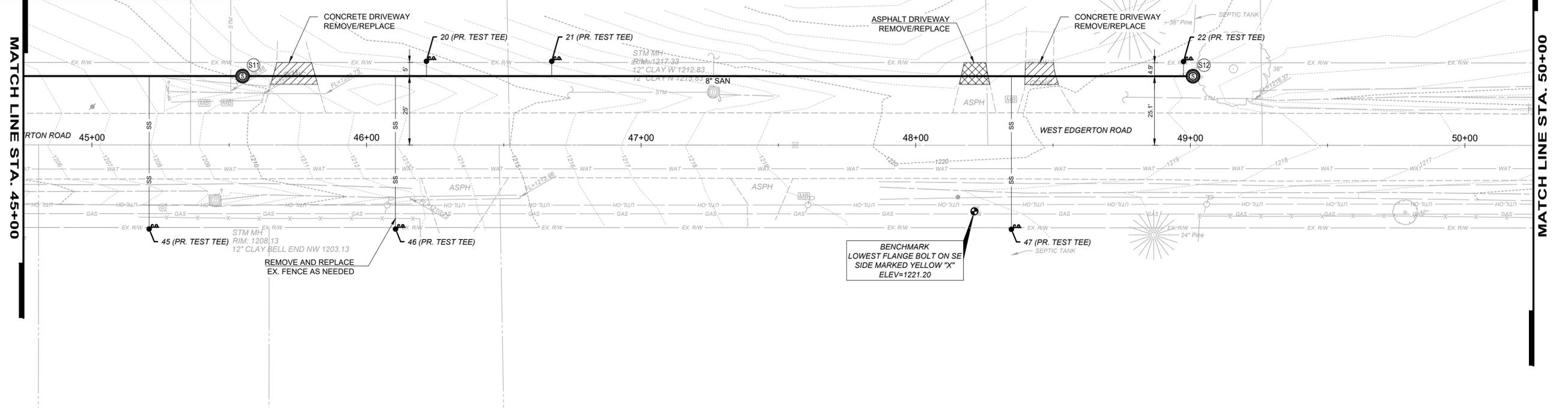
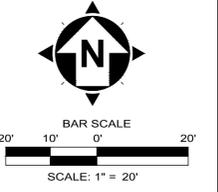
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**PLAN AND PROFILE
40+00-45+00**

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220259	
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- CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TREES AND SHRUBBERY WITHIN 12' OF RELOCATED POLES, WIRES, AND GUYS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING EASEMENTS OR ADDITION ROW, IF REQUIRED, FOR POLES, WIRES AND GUYS THAT FALL OUTSIDE OF THE ROW. NON-ILLUMINATING CO. PERSONNEL ARE NOT PERMITTED TO HOLD OR BRACE POLES. FOR THIS SERVICE, CREATE AN ORDER BY CALLING 800-589-3101.
- THE CONTRACTOR SHALL NOTIFY RESIDENTS WHEN PROPOSED WORK AREAS MAY EXPAND ONTO PRIVATE PROPERTY.



NO	REVISION	DATE
0	ISSUED FOR PTI SUBMITTAL	12/14/23
0	ISSUED FOR BID	05/08/25

**EDGERTON ROAD
SANITARY IMPROVEMENT PROJECT**
 CUYAHOGA COUNTY NORTH ROYALTON, OHIO

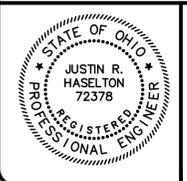
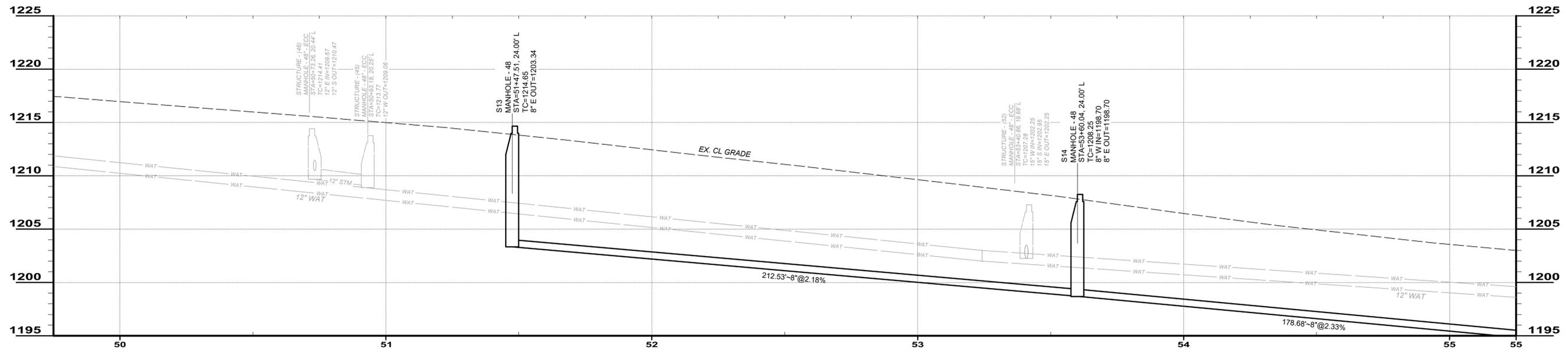
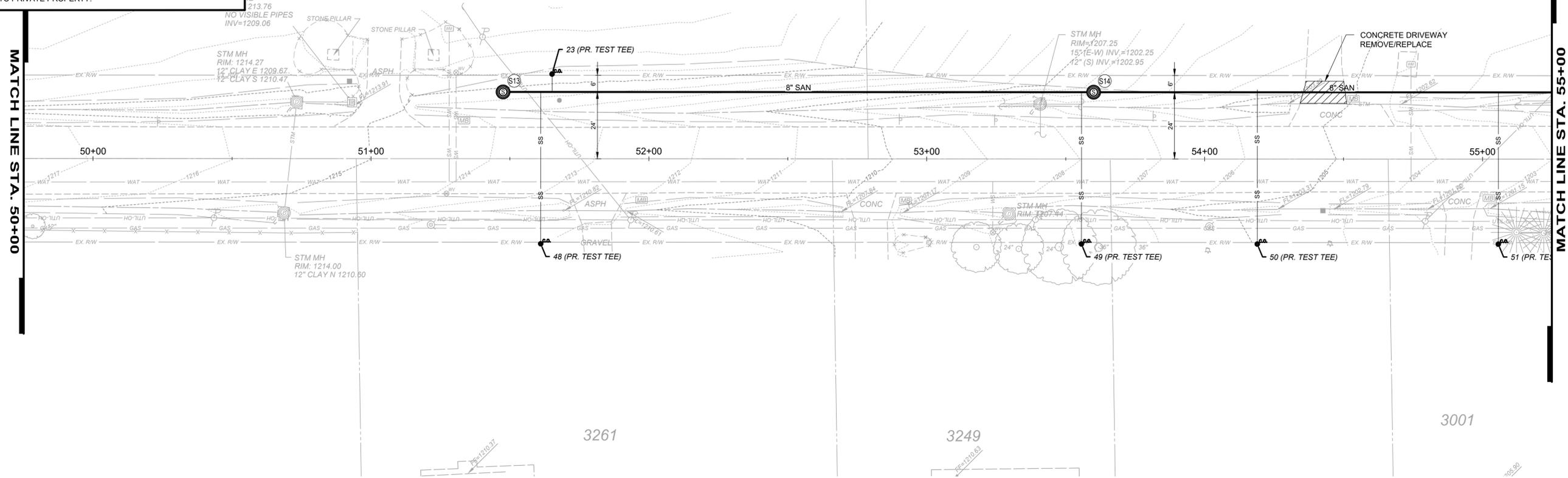
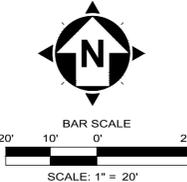
ISSUED FOR: BID
 ISSUE DATE: JUNE, 2025
 SCALE: AS SHOWN
 DESIGNED BY: WTV/JRH
 DRAWN BY: WTV
 CHECKED BY: JRH

**PLAN AND PROFILE
55+00-60+00**

PROJECT NO. 220259	
DISCIPLINE CIVIL	
SHEET NAME	
SHEET 10	OF 12

SHEET NOTES:

- ALL LATERALS UNDER THE EXISTING ROADWAY SHALL BE BORED AND JACKED.
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 CUYAHOGA COUNTY NORTH ROYALTON, OHIO

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**PLAN AND PROFILE
50+00-55+00**

PROJECT NO.	220259
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SHEET NAME	
SHEET	OF
11	12

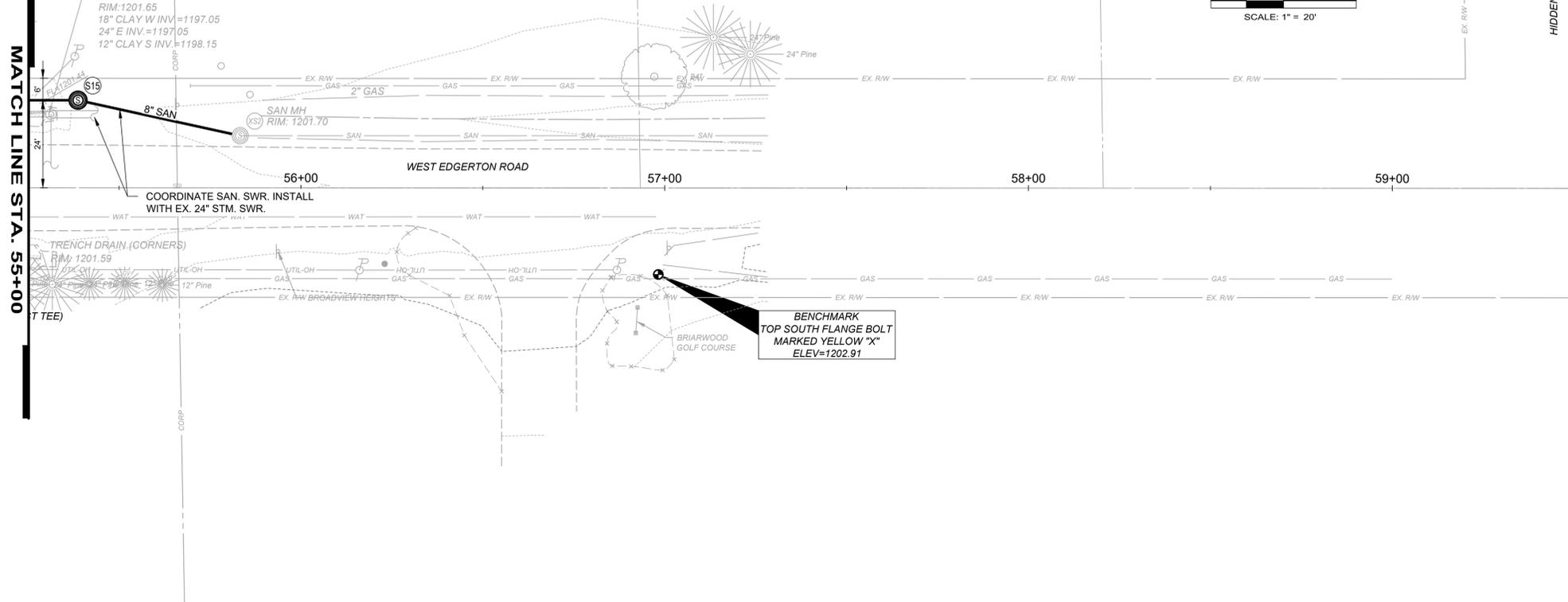
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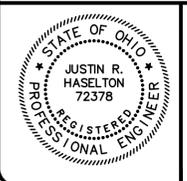
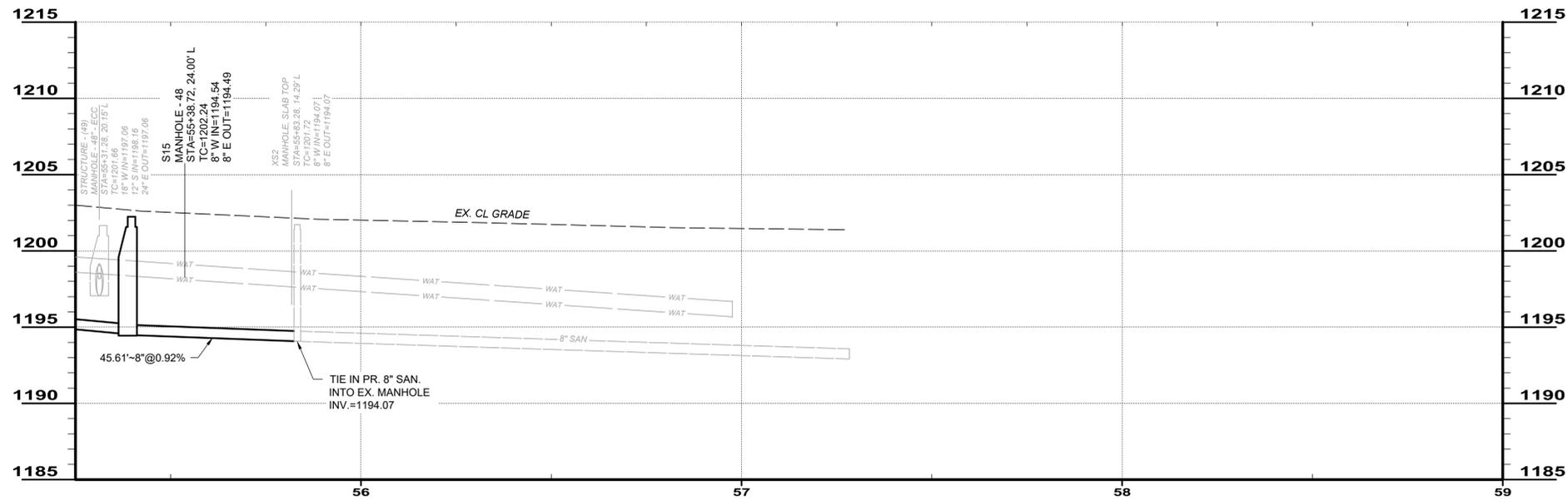
3022

2950

2860



POINT TABLE					
POINT #	NORTHING	EASTING	DESCRIPTION	NORTHING (AS-BUILT)	EASTING (AS-BUILT)
1	594586.9003	2183731.0540	PR. TEST TEE		
2	594586.8657	2183857.5649	PR. TEST TEE		
3	594586.8408	2183948.7197	PR. TEST TEE		
4	594586.8290	2183992.0288	PR. TEST TEE		
5	594586.7953	2184115.6442	PR. TEST TEE		
6	594586.7663	2184221.6741	PR. TEST TEE		
7	594586.7423	2184309.7523	PR. TEST TEE		
8	594586.7246	2184374.4742	PR. TEST TEE		
9	594586.6903	2184500.0935	PR. TEST TEE		
10	594586.6464	2184660.8749	PR. TEST TEE		
11	594586.6408	2184681.5512	PR. TEST TEE		
12	594586.6083	2184800.5697	PR. TEST TEE		
13	594586.5836	2184890.7581	PR. TEST TEE		
14	594586.5250	2185105.4113	PR. TEST TEE		
15	594586.4898	2185234.3779	PR. TEST TEE		
16	594586.4026	2185553.7496	PR. TEST TEE		
17	594586.3648	2185692.2760	PR. TEST TEE		
18	594586.3288	2185824.3597	PR. TEST TEE		
19	594586.3083	2185899.2369	PR. TEST TEE		
20	594586.2570	2186087.0870	PR. TEST TEE		
21	594586.2456	2186132.7379	PR. TEST TEE		
22	594586.1575	2186362.8293	PR. TEST TEE		
23	594586.0385	2186630.4356	PR. TEST TEE		
24	594525.9102	2183740.6186	PR. TEST TEE		
25	594525.8934	2183802.2653	PR. TEST TEE		
26	594525.8595	2183926.4286	PR. TEST TEE		
27	594525.8239	2184056.6496	PR. TEST TEE		
28	594525.8060	2184122.2852	PR. TEST TEE		
29	594525.7739	2184239.7434	PR. TEST TEE		
30	594525.7551	2184308.6148	PR. TEST TEE		
31	594525.7281	2184407.6590	PR. TEST TEE		
32	594525.6886	2184552.2076	PR. TEST TEE		
33	594525.5234	2184638.6140	PR. TEST TEE		
34	594525.6453	2184710.8508	PR. TEST TEE		
35	594525.6234	2184791.0488	PR. TEST TEE		
36	594525.5561	2185037.5836	PR. TEST TEE		
37	594525.5435	2185083.8975	PR. TEST TEE		
38	594525.5008	2185240.0447	PR. TEST TEE		
39	594525.4738	2185339.0633	PR. TEST TEE		
40	594525.4489	2185430.2034	PR. TEST TEE		
41	594525.4277	2185508.0715	PR. TEST TEE		
42	594525.3878	2185653.9457	PR. TEST TEE		
43	594525.3731	2185708.0852	PR. TEST TEE		
44	594525.3423	2185820.8524	PR. TEST TEE		
45	594525.2971	2185986.1092	PR. TEST TEE		
46	594525.2727	2186075.8411	PR. TEST TEE		
47	594525.1837	2186300.1242	PR. TEST TEE		
48	594525.0529	2186626.3509	PR. TEST TEE		
49	594524.9664	2186820.9365	PR. TEST TEE		
50	594524.9383	2186884.2131	PR. TEST TEE		
51	594524.8997	2186970.9577	PR. TEST TEE		



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