



Northwestern Water and Sewer District
2025 NWSD 100 Area Waterline Improvements
WL-100E

ADDENDUM 3

December 10, 2024

Planholders of the Northwestern Water and Sewer District 2025 NWSD 100 Area Waterline Improvements, WL-100E, project are hereby notified of the following amendments to the Contract Documents. This Addendum is hereby made a part of the Contract Documents.

INSTRUCTIONS TO BIDDERS

Sealed Bids for 2025 NWSD 100 Area Waterline Improvements, WL-100E, will be received by the Northwestern Water & Sewer District, at the Northwestern Water & Sewer District, 12560 Middleton Pike, Bowling Green, Ohio 43402, until 11:00 AM, local time, on January 15, 2025, at which they will be publicly opened and read.

Due to the delayed bid date, all questions shall be submitted by e-mail to Theodore Bennett, P.E. at Jones & Henry Engineers, Ltd. at 3103 Executive Parkway, Suite 300, Toledo, OH 43606, infra@jheng.com, no later than 11 a.m. on January 10, 2025, in order to receive a response.

DRAWINGS

Replace Sheet G-1-0.7 with the attached G-1-0.7.

Replace Sheet G-2-0.8 with the attached G-2-0.8.

Replace Sheet G-3-0.9 with the attached G-3-0.9.

Replace Sheet G-4-0.10 with the attached G-4-0.10.

Replace Sheet G-5-0.11 with the attached G-5-0.11.

Replace Sheet SR-3-1.1-2 with the attached SR-3-1.1-2.

Replace Sheet SR-3-1.3-4 with the attached SR-3-1.3-4.

Replace Sheet SR-3-1.5-6 with the attached SR-3-1.5-6.

Replace Sheet SR-3-2.1-2 with the attached SR-3-2.1-2.

Replace Sheet SR-3-2.3-4 with the attached SR-3-2.3-4.

Replace Sheet SR-4-1.1-2 with the attached SR-4-1.1-2.

Replace Sheet SR-4-1.3-4 with the attached SR-4-1.3-4.

Replace Sheet SR-4-1.5 with the attached SR-4-1.5.

Replace Sheet SR-4-2.1-2 with the attached SR-4-2.1-2.

Replace Sheet SR-4-4.1-2 with the attached SR-4-4.1-2.



**Northwestern Water & Sewer District
2025 NWSD 100 Area Waterline Improvements
Addendum 3**

Replace Sheet SR-0.1 with the attached SR-0.1.

SPECIFICATIONS

Page C-200-11

Add the following:

ARTICLE 36 – CONTINUOUS TREATMENT (DRINKING WATER PROJECTS)

- 36.01 The Contractor will be responsible for obtaining approval from Ohio EPA for use of temporary pumping facilities, piping and other items in order to complete the project without any plant bypassing. Continuous treatment must be provided at the same level during construction as existed prior to construction.
- 36.02 Unless otherwise previously or subsequently specified, the Contractor shall procure and pay for all permits, licenses, and approvals necessary for the execution of his Contract.
- 36.03 The Contractor shall comply with all laws, ordinances, rules, orders, and regulations relating to the performance of the work required to complete their Contract.

Page C-400-6 – C-400-9

Remove pages C-400-6 through C-400-9 in their entirety and replace with the attached C-400-6 – C-400-9.

A link to an updated excel bid form to download is below.

<https://tinyurl.com/4u7myamd>

QUESTIONS

The following questions were submitted to the Engineer. The answers provided below are for the clarification of Bidders questions. Questions have been paraphrased for brevity.

Question #1 – What is the goal set for the DBE requirements?

Please see the attached sheets referencing DBE.

Question #2 – Can the water main be installed at 5' as long as we can clear existing utilities?

Yes, if it is possible to maintain clearance between the sewers, the water main can be laid shallower than shown as long as at least 5' of cover is maintained and high points at proposed fire hydrants can be preserved for air release. The intention is to not need to add additional fire hydrants or air release structures from those included on the plan.



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Question #3 – Can the roads we are working on be closed to through traffic as long as we maintain local traffic?

Please see Specification 01500 and detour plans provided in the Drawings. Residential roads may be closed to through traffic as long as local traffic is maintained.

RECEIPT OF THIS ADDENDUM MUST BE ACKNOWLEDGED ON PAGE C-410 - 1 OF THE BID.

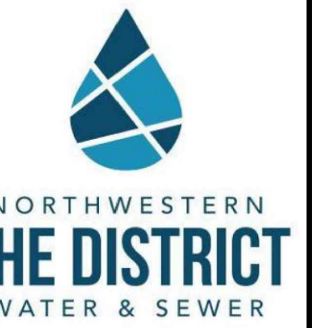
TOL-814901003-COMBINED-6-1-07 GENERAL SUMMARY
12/19/2024 10:13 AM - JHARRISON
12/19/2024 10:20 AM

Item No.	Plan Quantity	Contingency Quantity	Grand Total	Unit	Description	W-1-1	W-1-2	W-1-3	W-1-4	W-1-5	W-1-6	W-1-2.1
1	1	0	1	LS	Mobilization and Demobilization	0	0	0	0	0	0	0
2a	32	8	40	LF	4-inch Water Main, Type B	0	0	0	0	0	0	0
2b	2	8	10	LF	4-inch Water Main, Type C	0	0	0	0	0	0	0
2c	93	7	100	LF	6-inch Water Main, Type B	0	0	0	0	0	0	0
2d	4	6	10	LF	6-inch Water Main, Type C	0	0	0	0	0	0	0
2e	5050	50	5100	LF	8-inch Water Main, Type B	0	0	0	0	5	0	12
2f	380	20	400	LF	8-inch Water Main, Type C	9	0	0	0	0	0	4
2g	86	14	100	LF	8-inch Water Main, Trenchless	0	0	0	0	0	0	0
2h	1071	13	1084	LF	10-inch Water Main, Type B	0	0	0	0	0	0	0
2i	276	14	290	LF	10-inch Water Main, Type C	0	0	0	0	0	0	0
2j	1797	13	1810	LF	12-inch Water Main, Type B	211	438	347	307	292	0	0
2k	4089	11	4100	LF	12-inch Water Main, Type C	248	115	207	251	275	538	0
2l	5244	16	5260	LF	12-inch Water Main, Trenchless	0	0	0	0	0	0	0
2m	2280	10	2290	LF	16-inch Water Main, Type B	0	0	0	0	0	0	0
2n	3211	23	3234	LF	16-inch Water Main, Type C	0	0	0	0	0	0	0
2o	212	20	232	LF	16-inch Water Main, Trenchless	0	0	0	0	0	0	0
2p	234	16	250	LF	16-inch Water Main in 30-inch Bored Casing	0	0	0	0	0	0	0
2q	5	15	20	LF	20-inch Water Main, Type B	0	0	0	0	0	0	0
2r	18	0	18	EA	Connection to Existing Water Mains 12-inch and Smaller (Without Tapping)	1	0	0	0	0	1	1
2s	6	0	6	EA	Connection to Existing Water Mains Larger than 12-inch (Without Tapping)	0	0	0	0	0	0	0
2t	38	0	38	EA	Existing Water Main Plugged	0	0	0	2	2	2	0
2u	22	0	22	EA	Water Main Termination and Abandonment	1	0	0	0	0	1	1
3a	2	0	2	EA	6-inch Gate Valve and Box	0	0	0	0	0	0	0
3b	19	0	19	EA	8-inch Gate Valve and Box	1	0	0	0	0	0	1
3c	3	0	3	EA	10-inch Gate Valve and Box	0	0	0	0	0	0	0
3d	17	0	17	EA	12-inch Gate Valve and Manhole	1	2	0	1	1	1	0
3e	6	0	6	EA	16-inch Butterfly Valve and Manhole	0	0	0	0	0	0	0
3f	1	0	1	EA	10-inch by 8-inch Tapping Sleeve, Valve and Box	0	0	0	0	0	0	0
3g	1	0	1	EA	16-inch Tapping Valve and Box	0	0	0	0	0	0	0
3h	1	0	1	EA	24-inch by 12-inch Tapping Sleeve, Valve and Box	0	0	0	0	0	0	0
3i	1	0	1	EA	Valve Box	0	0	0	0	0	0	0
3j	8	0	8	EA	Valve Box Abandoned	0	0	0	0	0	0	0
3k	1	0	1	EA	Valve Box Removed	0	0	0	0	0	0	0
3l	27	0	27	EA	Valve Manhole Abandoned	1	2	0	1	1	0	1
3m	8	0	8	EA	Valve Manhole Removed	1	0	0	0	0	2	0
4a	29	0	29	EA	Fire Hydrant Assembly, Type A	1	1	1	2	0	0	0
4b	38	0	38	EA	Fire Hydrant Assembly, Type B	1	0	0	0	1	0	0
4c	1	0	1	EA	Fire Hydrant Assembly, Type C	0	0	0	0	0	0	0
4d	5	0	5	EA	Fire Hydrant Assembly, Type SC	0	0	0	0	0	0	0
4e	46	0	46	EA	Fire Hydrant Assembly Removed	2	1	1	2	1	0	0
5a	1626	75	1701	LF	Water Service (Less than 2-inch diameter)	20	26	42	71	7	0	0
5b	13	7	20	LF	Water Service (2-inch diameter and greater)	0	0	0	0	0	0	0
5c	3602	290	3892	LF	Trenchless Water Service (Less than 2-inch diameter)	89	90	317	296	110	0	0
5d	175	5	180	EA	Water Service Connection Reinstated (Less than 2-inch diameter)	4	4	10	13	4	0	0
5e	3	1	4	EA	Water Service Connection Reinstated (2-inch diameter and greater)	0	0	0	0	0	0	0
5f	176	4	180	EA	Water Meter Pit Installation	4	4	10	13	4	0	0
6a	5759	20	5779	SY	Flexible Pavement Trench Repair - Heavy Roadway	99	300	196	103	5	0	0
6b	262	20	282	SY	Flexible Pavement Trench Repair - Residential Roadway	0	0	0	0	0	0	0
6c	438	16	454	SY	Flexible Pavement Trench Repair - Driveway	0	0	29	0	0	0	0
6d	6459	20	6479	SY	Temporary Pavement Repair	99	300	225	103	5	0	0
6e	253	20	273	SY	ODOT Item 411 Stabilized Crushed Aggregate (Berm and Drive)	60	0	11	47	48	0	0
6f	4956	20	4976	SY	Flexible Pavement Planing and Resurfacing	0	0	0	0	0	0	0
6f-alt	7685	20	7705	SY	Flexible Pavement Planing and Resurfacing	0	0	0	0	0	0	0
7a	449	17	466	SY	6-inch ODOT Item 452 Non-Reinforced Concrete Pavement, Class MS (Residential Drive Approach)	0	39	0	123	20	0	0
7b	8488	20	8508	SF	4-inch Concrete Sidewalk	0	0	0	17	0	0	0
7c	337	16	353	SF	6-inch Concrete Sidewalk and Curb Ramp with Detectable Warning Surface	0	0	0	0	0	0	0
8a	21	9	30	LF	Concrete Curb	0	0	0	0	0	0	0
8b	222	9	231	LF	Concrete Curb and Gutter	0	0	0	0	0	0	0
9	0	11	11	EA	Remove and Replace Catch Basin	0	0	0	0	0	0	0
10a	110	10	120	LF	Sewer Repair (Less than or equal to 10-inch diameter)	5	0	0	5	0	0	0
10b	104	16	120	LF	Sewer Repair (12-inch diameter to 18-inch diameter)	0	0	5	0	0	0	5
10c	35	20	55	LF	Sewer Repair (21-inch diameter and larger)	0	0	0	0	0	0	0
10d	1	0	1	EA	New Cleanout on Lateral (Non-Paved Area)	0	0	0	1	0	0	0
11	1	0	1	LS	Video Recording of the Zone of Influence	0	0	0	0	0	0	0
12	1202	200	1402	LF	CCTV Inspections of Sewers	0	0	0	0	0	0	0
13	1	0	1	LS	Maintenance of Traffic	0	0	0	0	0	0	0
14	1	0	1	LS	Storm Water Pollution Prevention	0	0	0	0	0	0	0
15	1	0	1	LS	Clearing and Grubbing	0	0	0	0	0	0	0
16	1	0	1	LS	East Broadway Blow-off Manhole Access	0	0	0	0	0	0	0
17a	3	7	10	EA	Remove and Replace Sign	0	0	0	0	0	0	0
17b	14	6	20	EA	Remove and Replace Mailbox	0	3	8	2	0	0	0
18	217	12	229	LF	Remove Existing Water Main	27	0	0	0	0	22	4
19	362	8	370	EA	Remove and Replace Fence	0	0	0	0	274	88	0
Allowance	1	0	1	LS	Utility Pole Holding	0	0	0	0	0	0	0
Allowance	1	0	1	LS	Railroad Liability Insurance	0	0	0	0	0	0	0

PAY ITEMS AND GRAND TOTAL QUANTITIES LISTED REPRESENT THE TOTAL FOR THE ENTIRE PROJECT. FOR DETAILED QUANTITIES SPECIFIC TO EACH SUBPROJECT, CONTRACTOR SHALL REFER TO SHEET SPECIFIC QUANTITIES SHOWN ON EACH SUBPROJECT'S GENERAL SUMMARY SHEET.

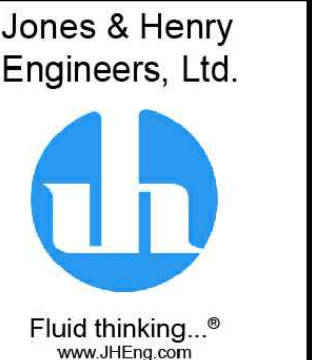
QUANTITY NOTES:

- QUANTITIES SHOWN IN THE GENERAL SUMMARY ARE REFERENCED TO THE WATER LINE PLAN AND PROFILE SHEETS.
- BIDDERS/CONTRACTORS SHALL CALL DISCREPANCIES TO THE ENGINEERS ATTENTION AS SOON AS THEY ARE DISCOVERED.
- BIDDER ACKNOWLEDGES THAT QUANTITIES ARE NOT GUARANTEED AND FINAL PAYMENT WILL BE BASED ON ACTUAL QUANTITIES DETERMINED AS PROVIDED IN THE CONTRACT DOCUMENTS.
- SURFACE REPAIR QUANTITIES ARE LISTED ON THEIR RESPECTIVE WATER MAIN PLAN AND PROFILE SHEET.



GENERAL SUMMARY
NORTHWESTERN WATER & SEWER DISTRICT, OHIO
2025 NWS 100 AREA WATERLINE IMPROVEMENTS WL-100E

DESIGNED BY: EAF
DRAWN BY: 4
CHECKED BY: 3
STATUS: 2
DATE: 1
REVISIONS AFTER ISSUED FOR BID: NO.



JOB NO. 796-8149.001
SCALE NONE
THIS LINE SCALES IF WHEN PLOTTED TO NOTED SCALE
DESIGNED EAF DRAWN DJK CHECKED TAB
STATUS: ISSUED FOR BID
DATE: NOVEMBER 2024
SHEET NO. G-1-0.7
7 OF 116

TOL-814901003-COMBINED-5-2-0-8 GENERAL SUMMARY
12/09/2024 10:13 AM - JHARRISON
12/09/2024 10:21 AM

Item No.	Plan Quantity	Contingency Quantity	Grand Total	Unit	Description	W-2-1.1	W-2-1.2	W-2-1.3	W-2-1.4	W-2-1.5	W-2-1.6	W-2-1.7	W-2-1.8	W-2-1.9	W-2-1.10	W-2-1.11	W-2-1.12	W-2-1.13	W-2-1.14	W-2-1.15	W-2-2.1		
1	1	0	1	LS	Mobilization and Demobilization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2a	32	8	40	LF	4-inch Water Main, Type B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2b	2	8	10	LF	4-inch Water Main, Type C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2c	93	7	100	LF	6-inch Water Main, Type B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2d	4	6	10	LF	6-inch Water Main, Type C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2e	5050	50	5100	LF	8-inch Water Main, Type B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2f	380	20	400	LF	8-inch Water Main, Type C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2g	86	14	100	LF	8-inch Water Main, Trenchless	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2h	1071	13	1084	LF	10-inch Water Main, Type B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2i	276	14	290	LF	10-inch Water Main, Type C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2j	1797	13	1810	LF	12-inch Water Main, Type B	0	0	0	0	41	0	0	0	0	0	0	0	0	9	111	38	0	
2k	4089	11	4100	LF	12-inch Water Main, Type C	287	503	159	359	310	20	90	163	20	40	61	40	20	87	287	9	0	
2l	5244	16	5260	LF	12-inch Water Main, Trenchless	0	48	391	191	202	530	460	393	531	510	489	510	530	459	0	0	0	
2m	2280	10	2290	LF	16-inch Water Main, Type B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	
2n	3211	23	3234	LF	16-inch Water Main, Type C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2o	212	20	232	LF	16-inch Water Main, Trenchless	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2p	234	16	250	LF	16-inch Water Main in 30-inch Bored Casing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2q	5	15	20	LF	20-inch Water Main, Type B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	
2r	18	0	18	EA	Connection to Existing Water Mains 12-inch and Smaller (Without Tapping)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2s	6	0	6	EA	Connection to Existing Water Mains Larger than 12-inch (Without Tapping)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
2t	38	0	38	EA	Existing Water Main Plugged	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	
2u	22	0	22	EA	Water Main Termination and Abandonment	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
3a	2	0	2	EA	6-inch Gate Valve and Box	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3b	19	0	19	EA	8-inch Gate Valve and Box	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3c	3	0	3	EA	10-inch Gate Valve and Box	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3d	17	0	17	EA	12-inch Gate Valve and Manhole	0	1	0	1	1	1	0	1	0	1	1	0	1	1	1	1	1	0
3e	6	0	6	EA	16-inch Butterfly Valve and Manhole	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3f	1	0	1	EA	10-inch by 8-inch Tapping Sleeve, Valve and Box	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3g	1	0	1	EA	16-inch Tapping Valve and Box	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3h	1	0	1	EA	24-inch by 12-inch Tapping Sleeve, Valve and Box	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3i	1	0	1	EA	Valve Box	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3j	8	0	8	EA	Valve Box Abandoned	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3k	1	0	1	EA	Valve Box Removed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3l	27	0	27	EA	Valve Manhole Abandoned	0	0	0	1	2	0	1	0	1	0	0	0	1	0	0	1	1	
3m	8	0	8	EA	Valve Manhole Removed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
4a	29	0	29	EA	Fire Hydrant Assembly, Type A	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	
4b	38	0	38	EA	Fire Hydrant Assembly, Type B	1	2	1	2	2	1	2	1	1	2	2	2	1	1	1	1	0	0
4c	1	0	1	EA	Fire Hydrant Assembly, Type C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4d	5	0	5	EA	Fire Hydrant Assembly, Type SC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4e	46	0	46	EA	Fire Hydrant Assembly Removed	1	2	1	2	1	1	2	1	2	1	1	2	1	2	1	2	1	0
5a	1626	75	1701	LF	Water Service (Less than 2-inch diameter)	0	0	6	0	10	5	6	9	5	5	5	3	0	0	6	0	0	
5b	13	7	20	LF	Water Service (2-inch diameter and greater)	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	
5c	3602	290	3892	LF	Trenchless Water Service (Less than 2-inch diameter)	95	141	0	0	196	0	0	0	0	0	0	0	0	122	0	0	0	
5d	175	5	180	EA	Water Service Connection Reinstated (Less than 2-inch diameter)	1	2	1	0	4	1	1	2	1	2	3	1	0	0	3	0	0	
5e	3	1	4	EA	Water Service Connection Reinstated (2-inch diameter and greater)	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
5f	176	4	180	EA	Water Meter Pit Installation	1	2	1	2	3	0	1	2	1	2	3	1	0	0	3	0	0	
6a	5759	20	5779	SY	Flexible Pavement Trench Repair - Heavy Roadway	0	0	0	0	34	0	0	0	0	0	0	0	0	0	36	0	0	
6b	262	20	282	SY	Flexible Pavement Trench Repair - Residential Roadway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6c	438	16	454	SY	Flexible Pavement Trench Repair - Driveway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	
6d	6459	20	6479	SY	Temporary Pavement Repair	0	0	0	0	34	0	0	0	0	0	0	0	0	0	53	0	0	
6e	253	20	273	SY	ODOT Item 411 Stabilized Crushed Aggregate (Berm and Drive)	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	
6f	4956	20	4976	SY	Flexible Pavement Planing and Resurfacing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6f-alt	7685	20	7705	SY	Flexible Pavement Planing and Resurfacing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7a	449	17	466	SY	6-inch ODOT Item 452 Non-Reinforced Concrete Pavement, Class MS (Residential Drive Approach)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0	0	
7b	8488	20	8508	SF	4-inch Concrete Sidewalk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7c	337	16	353	SF	6-inch Concrete Sidewalk and Curb Ramp with Detectable Warning Surface	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8a	21	9	30	LF	Concrete Curb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8b	222	9	231	LF	Concrete Curb and Gutter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84	0	0	
9	0	11	11	EA	Remove and Replace Catch Basin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10a	110	10	120	LF	Sewer Repair (Less than or equal to 10-inch diameter)	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	
10b	104	16	120	LF	Sewer Repair (12-inch diameter to 18-inch diameter)	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	5	0	
10c	35	20	55	LF	Sewer Repair (21-inch diameter and larger)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10d	1	0	1	EA	New Cleanout on Lateral (Non-Paved Area)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	1	0	1	LS	Video Recording of the Zone of Influence	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	1202	200	1402	LF	CCTV Inspections of Sewers	0	23	0	25	64	0	168	0	0	0	61	0	83	0	0	0	0	
13	1	0	1	LS	Maintenance of Traffic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	1	0	1	LS	Storm Water Pollution Prevention	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	1	0	1	LS	Clearing and Grubbing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	1	0	1	LS	East Broadway Blow-off Manhole Access	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17a	3	7	10	EA	Remove and Replace Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17b	14	6	20	EA	Remove and Replace Mailbox	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	217	12	229	LF	Remove Existing Water Main	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	7	0	
19	362	8	370	EA	Remove and Replace Fence	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Allowance	1	0	1	LS	Utility Pole Holding	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Allowance	1	0	1	LS	Railroad Liability Insurance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

PAY ITEMS AND GRAND TOTAL QUANTITIES LISTED REPRESENT THE TOTAL FOR THE ENTIRE PROJECT. FOR DETAILED QUANTITIES SPECIFIC TO EACH SUBPROJECT, CONTRACTOR SHALL REFER TO SHEET SPECIFIC QUANTITIES SHOWN ON EACH SUBPROJECT'S GENERAL SUMMARY SHEET.

QUANTITY NOTES:

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- BIDDERS/CONTRACTORS SHALL CALL DISCREPANCIES TO THE ENGINEERS ATTENTION AS SOON AS THEY ARE DISCOVERED.
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- SURFACE REPAIR QUANTITIES ARE LISTED ON THEIR RESPECTIVE

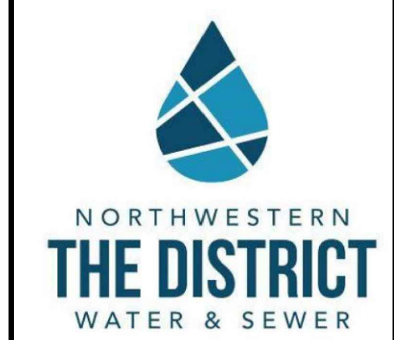
TOL-81490103-COMBINED-G-3-0-9 GENERAL SUMMARY
12/09/2024 10:13 AM - JHARRISON
12/09/2024 10:21 AM

Item No.	Plan Quantity	Contingency Quantity	Grand Total	Unit	Description	W-3-1.1	W-3-1.2	W-3-1.3	W-3-1.4	W-3-1.5	W-3-1.6	W-3-2.1	W-3-2.2	W-3-2.3	W-3-2.4	W-3-3.1	W-3-4.1	W-3-5.1	W-3-6.1	W-3-7.1	W-3-8.1
1	1	0	1	LS	Mobilization and Demobilization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2a	32	8	40	LF	4-inch Water Main, Type B	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2b	2	8	10	LF	4-inch Water Main, Type C	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2c	93	7	100	LF	6-inch Water Main, Type B	0	39	0	0	0	0	16	0	0	0	0	2	10	12	14	0
2d	4	6	10	LF	6-inch Water Main, Type C	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0
2e	5050	50	5100	LF	8-inch Water Main, Type B	430	550	550	550	555	22	419	553	550	414	143	36	27	68	49	62
2f	380	20	400	LF	8-inch Water Main, Type C	0	0	0	0	5	122	0	0	0	160	0	0	28	10	0	
2g	86	14	100	LF	8-inch Water Main, Trenchless	0	0	0	0	0	0	86	0	0	0	0	0	0	0	0	0
2h	1071	13	1084	LF	10-inch Water Main, Type B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2i	276	14	290	LF	10-inch Water Main, Type C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2j	1797	13	1810	LF	12-inch Water Main, Type B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2k	4089	11	4100	LF	12-inch Water Main, Type C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2l	5244	16	5260	LF	12-inch Water Main, Trenchless	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2m	2280	10	2290	LF	16-inch Water Main, Type B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2n	3211	23	3234	LF	16-inch Water Main, Type C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2o	212	20	232	LF	16-inch Water Main, Trenchless	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2p	234	16	250	LF	16-inch Water Main in 30-inch Bored Casing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2q	5	15	20	LF	20-inch Water Main, Type B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2r	18	0	18	EA	Connection to Existing Water Mains 12-inch and Smaller (Without Tapping)	0	1	0	0	0	0	1	0	0	1	1	1	1	4	1	1
2s	6	0	6	EA	Connection to Existing Water Mains Larger than 12-inch (Without Tapping)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2t	38	0	38	EA	Existing Water Main Plugged	0	2	0	2	0	0	0	4	2	8	3	0	0	0	0	0
2u	22	0	22	EA	Water Main Termination and Abandonment	1	1	0	0	0	0	0	0	0	1	1	1	1	3	1	1
3a	2	0	2	EA	6-inch Gate Valve and Box	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
3b	19	0	19	EA	8-inch Gate Valve and Box	0	0	0	1	1	1	0	1	1	1	2	1	1	3	1	1
3c	3	0	3	EA	10-inch Gate Valve and Box	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3d	17	0	17	EA	12-inch Gate Valve and Manhole	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3e	6	0	6	EA	16-inch Butterfly Valve and Manhole	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3f	1	0	1	EA	10-inch by 8-inch Tapping Sleeve, Valve and Box	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3g	1	0	1	EA	16-inch Tapping Valve and Box	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3h	1	0	1	EA	24-inch by 12-inch Tapping Sleeve, Valve and Box	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3i	1	0	1	EA	Valve Box	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
3j	8	0	8	EA	Valve Box Abandoned	0	0	0	0	0	0	0	3	0	2	0	0	0	2	0	0
3k	1	0	1	EA	Valve Box Removed	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
3l	27	0	27	EA	Valve Manhole Abandoned	2	2	0	1	1	0	0	0	1	1	1	0	0	0	0	0
3m	8	0	8	EA	Valve Manhole Removed	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
4a	29	0	29	EA	Fire Hydrant Assembly, Type A	1	0	1	2	2	0	1	0	0	1	0	0	0	0	0	0
4b	38	0	38	EA	Fire Hydrant Assembly, Type B	0	0	0	0	0	1	1	3	2	1	1	0	0	0	0	0
4c	1	0	1	EA	Fire Hydrant Assembly, Type C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4d	5	0	5	EA	Fire Hydrant Assembly, Type SC	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0
4e	46	0	46	EA	Fire Hydrant Assembly Removed	1	0	1	1	0	0	0	1	1	1	0	0	0	0	0	0
5a	1626	75	1701	LF	Water Service (Less than 2-inch diameter)	88	111	193	126	171	11	17	23	18	14	3	0	0	0	0	0
5b	13	7	20	LF	Water Service (2-inch diameter and greater)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5c	3602	290	3892	LF	Trenchless Water Service (Less than 2-inch diameter)	173	34	0	239	178	0	360	227	445	90	170	0	0	0	0	0
5d	175	5	180	EA	Water Service Connection Reinstated (Less than 2-inch diameter)	6	5	8	12	12	1	14	12	16	6	4	0	0	0	0	0
5e	3	1	4	EA	Water Service Connection Reinstated (2-inch diameter and greater)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5f	176	4	180	EA	Water Meter Pit Installation	7	5	8	12	12	1	14	12	16	6	4	0	0	0	0	0
6a	5759	20	5779	SY	Flexible Pavement Trench Repair - Heavy Roadway	361	439	406	410	399	0	0	0	0	0	0	0	0	0	0	0
6b	262	20	282	SY	Flexible Pavement Trench Repair - Residential Roadway	0	0	0	0	0	0	12	98	71	79	0	0	0	0	0	0
6c	438	16	454	SY	Flexible Pavement Trench Repair - Driveway	3	0	12	0	0	0	9	0	45	0	0	0	0	0	0	0
6d	6459	20	6479	SY	Temporary Pavement Repair	364	439	418	410	399	0	21	98	116	79	0	0	0	0	0	0
6e	253	20	273	SY	ODOT Item 411 Stabilized Crushed Aggregate (Berm and Drive)	0	0	0	3	0	0	15	18	0	8	0	0	0	0	0	0
6f	4956	20	4976	SY	Flexible Pavement Planing and Resurfacing	754	492	303	325	375	0	0	328	152	153	0	0	0	0	0	0
6f-alt	7685	20	7705	SY	Flexible Pavement Planing and Resurfacing	1087	999	907	874	699	0	0	0	0	0	0	0	0	0	0	0
7a	449	17	466	SY	6-inch ODOT Item 452 Non-Reinforced Concrete Pavement, Class MS (Residential Drive Approach)	0	14	1	0	0	12	35	45	81	42	0	0	0	0	0	0
7b	8488	20	8508	SF	4-inch Concrete Sidewalk	27	0	0	0	31	0	2143	2116	2062	1647	445	0	0	0	0	0
7c	337	16	353	SF	6-inch Concrete Sidewalk and Curb Ramp with Detectable Warning Surface	0	0	0	0	0	0	48	99	114	76	0	0	0	0	0	0
8a	21	9	30	LF	Concrete Curb	6	6	0	0	0	0	0	0	9	0	0	0	0	0	0	0
8b	222	9	231	LF	Concrete Curb and Gutter	6	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0
9	0	11	11	EA	Remove and Replace Catch Basin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10a	110	10	120	LF	Sewer Repair (Less than or equal to 10-inch diameter)	10	5	0	25	0	0	5	0	15	0	0	0	0	0	0	15
10b	104	16	120	LF	Sewer Repair (12-inch diameter to 18-inch diameter)	0	5	0	0	0	0	0	0	0	0	10	0	0	0	0	0
10c	35	20	55	LF	Sewer Repair (21-inch diameter and larger)	5	0	10	0	0	0	5	0	0	0	0	0	0	0	0	0
10d	1	0	1	EA	New Cleanout on Lateral (Non-Paved Area)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	0	1	LS	Video Recording of the Zone of Influence	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	1202	200	1402	LF	CCTV Inspections of Sewers	0	0	0	0	0	0	650	0	0	0	0	0	0	0	0	0
13	1	0	1	LS	Maintenance of Traffic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	0	1	LS	Storm Water Pollution Prevention	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	0	1	LS	Clearing and Grubbing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	0	1	LS	East Broadway Blow-off Manhole Access	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17a	3	7	10	EA	Remove and Replace Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17b	14	6	20	EA	Remove and Replace Mailbox	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	217	12	229	LF	Remove Existing Water Main	0	0	0	0	0	0	13	0	0	0	7	17	6	20	7	4
19	362	8	370	EA	Remove and Replace Fence	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Allowance	1	0	1	LS	Utility Pole Holding	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Allowance	1	0	1	LS	Railroad Liability Insurance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PAY ITEMS AND GRAND TOTAL QUANTITIES LISTED REPRESENT THE TOTAL FOR THE ENTIRE PROJECT. FOR DETAILED QUANTITIES SPECIFIC TO EACH SUBPROJECT, CONTRACTOR SHALL REFER TO SHEET SPECIFIC QUANTITIES SHOWN ON EACH SUBPROJECT'S GENERAL SUMMARY SHEET.

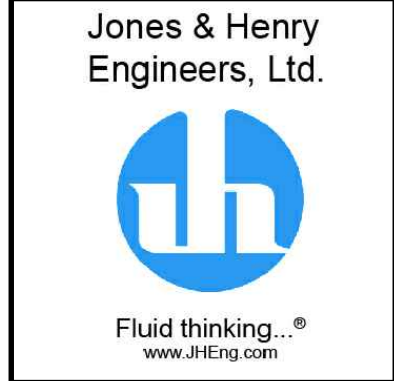
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- SURFACE REPAIR QUANTITIES ARE LISTED ON THEIR RESPECTIVE WATER MAIN PLAN AND PROFILE SHEET.



GENERAL SUMMARY
 NORTHWESTERN WATER & SEWER DISTRICT, OHIO
 2025 NWS 100 AREA WATERLINE IMPROVEMENTS WL-100E

JOB NO. 796-8149.001
 SCALE NONE
 THIS LINE SCALES IF WHEN PLOTTED TO NOTED SCALE
 DESIGNED EAF DRAWN DJK CHECKED TAB
 STATUS: ISSUED FOR BID
 DATE: NOVEMBER 2024
 SHEET NO. G-3-0,9
 9 OF 116



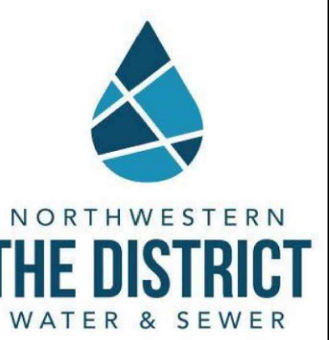
TOL-81490103-COMBINED-5-4--0-10 GENERAL SUMMARY
12/09/2024 10:13 AM - JHARRISON
12/09/2024 10:21 AM

Item No.	Plan Quantity	Contingency Quantity	Grand Total	Unit	Description	W-4-1.1	W-4-1.2	W-4-1.3	W-4-1.4	W-4-1.5	W-4-2.1	W-4-2.2	W-4-2.3	W-4-3.1	W-4-4.1	W-4-4.2	W-4-5.1
1	1	0	1	LS	Mobilization and Demobilization	0	0	0	0	0	0	0	0	0	0	0	0
2a	32	8	40	LF	4-inch Water Main, Type B	0	0	0	0	0	0	0	0	0	0	0	0
2b	2	8	10	LF	4-inch Water Main, Type C	0	0	0	0	0	0	0	0	0	0	0	0
2c	93	7	100	LF	6-inch Water Main, Type B	0	0	0	0	0	0	0	0	0	0	0	0
2d	4	6	10	LF	6-inch Water Main, Type C	0	0	0	0	0	0	0	0	0	0	0	0
2e	5050	50	5100	LF	8-inch Water Main, Type B	0	0	0	0	0	0	0	0	0	22	0	33
2f	380	20	400	LF	8-inch Water Main, Type C	0	0	0	0	0	0	0	0	0	26	0	16
2g	86	14	100	LF	8-inch Water Main, Trenchless	0	0	0	0	0	0	0	0	0	0	0	0
2h	1071	13	1084	LF	10-inch Water Main, Type B	0	0	0	0	0	220	550	301	0	0	0	0
2i	276	14	290	LF	10-inch Water Main, Type C	0	0	0	0	0	276	0	0	0	0	0	0
2j	1797	13	1810	LF	12-inch Water Main, Type B	3	0	0	0	0	0	0	0	0	0	0	0
2k	4089	11	4100	LF	12-inch Water Main, Type C	0	0	0	0	0	0	0	0	0	0	0	0
2l	5244	16	5260	LF	12-inch Water Main, Trenchless	0	0	0	0	0	0	0	0	0	0	0	0
2m	2280	10	2290	LF	16-inch Water Main, Type B	446	550	550	550	64	0	0	0	0	18	0	0
2n	3211	23	3234	LF	16-inch Water Main, Type C	0	0	0	0	0	0	0	0	0	0	0	0
2o	212	20	232	LF	16-inch Water Main, Trenchless	0	0	0	0	0	0	0	0	0	0	0	0
2p	234	16	250	LF	16-inch Water Main in 30-inch Bored Casing	0	0	0	0	0	0	0	0	0	0	0	0
2q	5	15	20	LF	20-inch Water Main, Type B	0	0	0	0	0	0	0	0	0	0	0	0
2r	18	0	18	EA	Connection to Existing Water Mains 12-inch and Smaller (Without Tapping)	1	0	0	0	0	0	0	0	0	1	0	1
2s	6	0	6	EA	Connection to Existing Water Mains Larger than 12-inch (Without Tapping)	0	0	0	0	1	0	0	0	1	0	0	0
2t	38	0	38	EA	Existing Water Main Plugged	1	0	2	0	0	0	2	0	1	0	1	0
2u	22	0	22	EA	Water Main Termination and Abandonment	1	0	0	0	1	0	0	0	1	1	0	1
3a	2	0	2	EA	6-inch Gate Valve and Box	0	0	0	0	0	0	0	0	0	0	0	0
3b	19	0	19	EA	8-inch Gate Valve and Box	0	0	0	0	0	0	0	0	0	1	0	1
3c	3	0	3	EA	10-inch Gate Valve and Box	0	0	0	0	0	1	1	1	0	0	0	0
3d	17	0	17	EA	12-inch Gate Valve and Manhole	0	0	0	0	0	0	0	0	0	0	0	0
3e	6	0	6	EA	16-inch Butterfly Valve and Manhole	0	1	1	0	1	0	0	0	1	0	0	0
3f	1	0	1	EA	10-inch by 8-inch Tapping Sleeve, Valve and Box	0	0	0	0	0	0	0	0	0	0	0	0
3g	1	0	1	EA	16-inch Tapping Valve and Box	0	0	0	0	0	0	0	0	0	0	0	0
3h	1	0	1	EA	24-inch by 12-inch Tapping Sleeve, Valve and Box	0	0	0	0	0	0	0	0	0	0	0	0
3i	1	0	1	EA	Valve Box	0	0	0	0	0	0	0	0	0	0	0	0
3j	8	0	8	EA	Valve Box Abandoned	0	0	0	0	0	0	0	0	0	0	0	0
3k	1	0	1	EA	Valve Box Removed	0	0	0	0	0	0	0	0	0	0	0	0
3l	27	0	27	EA	Valve Manhole Abandoned	0	1	1	0	0	1	0	0	0	1	1	0
3m	8	0	8	EA	Valve Manhole Removed	0	0	0	0	1	0	0	0	1	0	0	1
4a	29	0	29	EA	Fire Hydrant Assembly, Type A	1	2	2	2	1	0	2	1	0	0	0	0
4b	38	0	38	EA	Fire Hydrant Assembly, Type B	0	0	0	0	0	2	0	0	0	0	0	0
4c	1	0	1	EA	Fire Hydrant Assembly, Type C	0	0	0	0	0	0	0	1	0	0	0	0
4d	5	0	5	EA	Fire Hydrant Assembly, Type SC	0	0	0	0	0	0	0	0	0	0	0	0
4e	46	0	46	EA	Fire Hydrant Assembly Removed	1	2	2	1	1	1	2	2	0	0	0	0
5a	1626	75	1701	LF	Water Service (Less than 2-inch diameter)	32	135	35	29	0	27	21	21	0	0	325	0
5b	13	7	20	LF	Water Service (2-inch diameter and greater)	0	0	0	0	0	0	0	0	0	0	0	0
5c	3602	290	3892	LF	Trenchless Water Service (Less than 2-inch diameter)	0	0	0	43	0	90	37	60	0	0	0	0
5d	175	5	180	EA	Water Service Connection Reinstated (Less than 2-inch diameter)	1	5	2	3	0	4	2	2	0	0	3	0
5e	3	1	4	EA	Water Service Connection Reinstated (2-inch diameter and greater)	0	0	0	0	0	0	0	0	0	0	0	0
5f	176	4	180	EA	Water Meter Pit Installation	1	5	2	3	0	4	2	2	0	0	3	0
6a	5759	20	5779	SY	Flexible Pavement Trench Repair - Heavy Roadway	372	474	609	564	70	94	484	252	0	0	0	0
6b	262	20	282	SY	Flexible Pavement Trench Repair - Residential Roadway	0	0	0	0	0	0	2	0	0	0	0	0
6c	438	16	454	SY	Flexible Pavement Trench Repair - Driveway	0	0	7	10	0	68	0	0	0	0	238	0
6d	6459	20	6479	SY	Temporary Pavement Repair	372	474	616	574	70	162	486	252	0	0	238	0
6e	253	20	273	SY	ODOT Item 411 Stabilized Crushed Aggregate (Berm and Drive)	0	0	0	0	0	0	0	0	0	0	0	0
6f	4956	20	4976	SY	Flexible Pavement Planing and Resurfacing	413	371	157	214	25	46	369	479	0	0	0	0
6f-alt	7685	20	7705	SY	Flexible Pavement Planing and Resurfacing	618	870	779	768	84	0	0	0	0	0	0	0
7a	449	17	466	SY	6-inch ODOT Item 452 Non-Reinforced Concrete Pavement, Class MS (Residential Drive Approach)	0	0	0	10	0	0	0	0	0	0	0	0
7b	8488	20	8508	SF	4-inch Concrete Sidewalk	0	0	0	0	0	0	0	0	0	0	0	0
7c	337	16	353	SF	6-inch Concrete Sidewalk and Curb Ramp with Detectable Warning Surface	0	0	0	0	0	0	0	0	0	0	0	0
8a	21	9	30	LF	Concrete Curb	0	0	0	0	0	0	0	0	0	0	0	0
8b	222	9	231	LF	Concrete Curb and Gutter	0	32	0	0	0	18	43	18	0	0	0	0
9	0	11	11	EA	Remove and Replace Catch Basin	0	0	0	0	0	0	0	0	0	0	0	0
10a	110	10	120	LF	Sewer Repair (Less than or equal to 10-inch diameter)	5	0	0	0	0	0	0	10	0	0	0	0
10b	104	16	120	LF	Sewer Repair (12-inch diameter to 18-inch diameter)	0	5	15	0	5	5	0	0	0	0	0	0
10c	35	20	55	LF	Sewer Repair (21-inch diameter and larger)	0	0	0	0	0	0	0	0	0	0	0	5
10d	1	0	1	EA	New Cleanout on Lateral (Non-Paved Area)	0	0	0	0	0	0	0	0	0	0	0	0
11	1	0	1	LS	Video Recording of the Zone of Influence	0	0	0	0	0	0	0	0	0	0	0	0
12	1202	200	1402	LF	CCTV Inspections of Sewers	0	0	0	0	0	0	0	0	0	0	0	0
13	1	0	1	LS	Maintenance of Traffic	0	0	0	0	0	0	0	0	0	0	0	0
14	1	0	1	LS	Storm Water Pollution Prevention	0	0	0	0	0	0	0	0	0	0	0	0
15	1	0	1	LS	Clearing and Grubbing	0	0	0	0	0	0	0	0	0	0	0	0
16	1	0	1	LS	East Broadway Blow-off Manhole Access	0	0	0	0	0	0	0	0	0	0	0	0
17a	3	7	10	EA	Remove and Replace Sign	0	0	0	0	0	0	0	0	0	0	0	0
17b	14	6	20	EA	Remove and Replace Mailbox	0	0	0	0	0	0	0	1	0	0	0	0
18	217	12	229	LF	Remove Existing Water Main	16	0	0	0	20	0	12	0	10	0	0	0
19	362	8	370	EA	Remove and Replace Fence	0	0	0	0	0	0	0	0	0	0	0	0
Allowance	1	0	1	LS	Utility Pole Holding	0	0	0	0	0	0	0	0	0	0	0	0
Allowance	1	0	1	LS	Railroad Liability Insurance	0	0	0	0	0	0	0	0	0	0	0	0

PAY ITEMS AND GRAND TOTAL QUANTITIES LISTED REPRESENT THE TOTAL FOR THE ENTIRE PROJECT. FOR DETAILED QUANTITIES SPECIFIC TO EACH SUBPROJECT, CONTRACTOR SHALL REFER TO SHEET SPECIFIC QUANTITIES SHOWN ON EACH SUBPROJECT'S GENERAL SUMMARY SHEET.

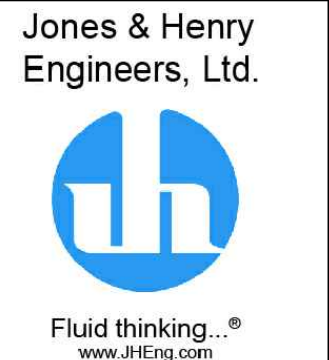
QUANTITY NOTES:

- QUANTITIES SHOWN IN THE GENERAL SUMMARY ARE REFERENCED TO THE WATER LINE PLAN AND PROFILE SHEETS.
- BIDDERS/CONTRACTORS SHALL CALL DISCREPANCIES TO THE ENGINEERS ATTENTION AS SOON AS THEY ARE DISCOVERED.
- BIDDER ACKNOWLEDGES THAT QUANTITIES ARE NOT GUARANTEED AND FINAL PAYMENT WILL BE BASED ON ACTUAL QUANTITIES DETERMINED AS PROVIDED IN THE CONTRACT DOCUMENTS.
- SURFACE REPAIR QUANTITIES ARE LISTED ON THEIR RESPECTIVE WATER MAIN PLAN AND PROFILE SHEET.



GENERAL SUMMARY
 NORTHWESTERN WATER & SEWER DISTRICT, OHIO
 2025 NWS 100 AREA WATERLINE IMPROVEMENTS WL-100E

DESIGNED BY: JHARRISON
 DRAWN BY: JHARRISON
 CHECKED BY: JHARRISON
 STATUS: ISSUED FOR BID
 DATE: NOVEMBER 2024
 SHEET NO. G-4-0.10
 10 OF 116



Jones & Henry Engineers, Ltd.
 Fluid thinking...
 www.jheng.com
 JOB NO. 796-8149.001
 SCALE NONE
 THIS LINE SCALES IF WHEN PLOTTED TO NOTED SCALE
 DESIGNER: EAF
 DRAWN: DJK
 CHECKED: TAB
 STATUS: ISSUED FOR BID
 DATE: NOVEMBER 2024
 SHEET NO. G-4-0.10
 10 OF 116

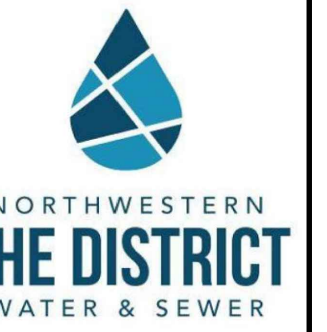
TOL-8149001003-COMBINED-4-5-0-11 GENERAL SUMMARY
12/19/2024, 10:13 AM - JHARRISON
12/19/2024, 10:21 AM

Item No.	Plan Quantity	Contingency Quantity	Grand Total	Unit	Description	W-5-1.1	W-5-1.2	W-5-1.3	W-5-1.4	W-5-1.5	W-5-1.6	W-5-1.7
1	1	0	1	LS	Mobilization and Demobilization	0	0	0	0	0	0	0
2a	32	8	40	LF	4-inch Water Main, Type B	0	0	0	0	0	0	0
2b	2	8	10	LF	4-inch Water Main, Type C	0	0	0	0	0	0	0
2c	93	7	100	LF	6-inch Water Main, Type B	0	0	0	0	0	0	0
2d	4	6	10	LF	6-inch Water Main, Type C	0	0	0	0	0	0	0
2e	5050	50	5100	LF	8-inch Water Main, Type B	0	0	0	0	0	0	0
2f	380	20	400	LF	8-inch Water Main, Type C	0	0	0	0	0	0	0
2g	86	14	100	LF	8-inch Water Main, Trenchless	0	0	0	0	0	0	0
2h	1071	13	1084	LF	10-inch Water Main, Type B	0	0	0	0	0	0	0
2i	276	14	290	LF	10-inch Water Main, Type C	0	0	0	0	0	0	0
2j	1797	13	1810	LF	12-inch Water Main, Type B	0	0	0	0	0	0	0
2k	4089	11	4100	LF	12-inch Water Main, Type C	0	0	0	0	0	0	0
2l	5244	16	5260	LF	12-inch Water Main, Trenchless	0	0	0	0	0	0	0
2m	2280	10	2290	LF	16-inch Water Main, Type B	0	44	0	0	0	35	6
2n	3211	23	3234	LF	16-inch Water Main, Type C	436	287	533	550	550	515	340
2o	212	20	232	LF	16-inch Water Main, Trenchless	0	0	0	0	0	0	212
2p	234	16	250	LF	16-inch Water Main in 30-inch Bored Casing	3	231	0	0	0	0	0
2q	5	15	20	LF	20-inch Water Main, Type B	0	0	0	0	0	0	0
2r	18	0	18	EA	Connection to Existing Water Mains 12-inch and Smaller (Without Tapping)	0	0	0	0	0	0	0
2s	6	0	6	EA	Connection to Existing Water Mains Larger than 12-inch (Without Tapping)	1	0	0	0	0	0	1
2t	38	0	38	EA	Existing Water Main Plugged	0	0	0	0	0	0	0
2u	22	0	22	EA	Water Main Termination and Abandonment	0	0	0	0	0	0	0
3a	2	0	2	EA	6-inch Gate Valve and Box	0	0	0	0	0	0	0
3b	19	0	19	EA	8-inch Gate Valve and Box	0	0	0	0	0	0	0
3c	3	0	3	EA	10-inch Gate Valve and Box	0	0	0	0	0	0	0
3d	17	0	17	EA	12-inch Gate Valve and Manhole	0	0	0	0	0	0	0
3e	6	0	6	EA	16-inch Butterfly Valve and Manhole	0	1	0	0	1	0	0
3f	1	0	1	EA	10-inch by 8-inch Tapping Sleeve, Valve and Box	0	0	0	0	0	0	0
3g	1	0	1	EA	16-inch Tapping Valve and Box	0	0	0	0	0	0	1
3h	1	0	1	EA	24-inch by 12-inch Tapping Sleeve, Valve and Box	0	0	0	0	0	0	0
3i	1	0	1	EA	Valve Box	0	0	0	0	0	0	0
3j	8	0	8	EA	Valve Box Abandoned	0	0	0	0	0	0	0
3k	1	0	1	EA	Valve Box Removed	0	0	0	0	0	0	0
3l	27	0	27	EA	Valve Manhole Abandoned	0	0	0	0	0	0	0
3m	8	0	8	EA	Valve Manhole Removed	0	0	0	0	0	0	0
4a	29	0	29	EA	Fire Hydrant Assembly, Type A	1	1	0	0	0	0	1
4b	38	0	38	EA	Fire Hydrant Assembly, Type B	0	0	0	1	1	0	1
4c	1	0	1	EA	Fire Hydrant Assembly, Type C	0	0	0	0	0	0	0
4d	5	0	5	EA	Fire Hydrant Assembly, Type SC	0	0	0	0	0	0	0
4e	46	0	46	EA	Fire Hydrant Assembly Removed	0	0	0	0	0	0	0
5a	1626	75	1701	LF	Water Service (Less than 2-inch diameter)	0	0	0	0	0	0	0
5b	13	7	20	LF	Water Service (2-inch diameter and greater)	0	0	0	0	0	0	0
5c	3602	290	3892	LF	Trenchless Water Service (Less than 2-inch diameter)	0	0	0	0	0	0	0
5d	175	5	180	EA	Water Service Connection Reinstated (Less than 2-inch diameter)	0	0	0	0	0	0	0
5e	3	1	4	EA	Water Service Connection Reinstated (2-inch diameter and greater)	0	0	0	0	0	0	0
5f	176	4	180	EA	Water Meter Pit Installation	0	0	0	0	0	0	0
6a	5759	20	5779	SY	Flexible Pavement Trench Repair - Heavy Roadway	19	22	0	0	0	0	11
6b	262	20	282	SY	Flexible Pavement Trench Repair - Residential Roadway	0	0	0	0	0	0	0
6c	438	16	454	SY	Flexible Pavement Trench Repair - Driveway	0	0	0	0	0	0	0
6d	6459	20	6479	SY	Temporary Pavement Repair	19	22	0	0	0	0	11
6e	253	20	273	SY	ODOT Item 411 Stabilized Crushed Aggregate (Berm and Drive)	0	0	0	0	0	11	17
6f	4956	20	4976	SY	Flexible Pavement Planing and Resurfacing	0	0	0	0	0	0	0
6f-alt	7685	20	7705	SY	Flexible Pavement Planing and Resurfacing	0	0	0	0	0	0	0
7a	449	17	466	SY	6-inch ODOT Item 452 Non-Reinforced Concrete Pavement, Class MS (Residential Drive Approach)	0	0	0	0	0	0	0
7b	8488	20	8508	SF	4-inch Concrete Sidewalk	0	0	0	0	0	0	0
7c	337	16	353	SF	6-inch Concrete Sidewalk and Curb Ramp with Detectable Warning Surface	0	0	0	0	0	0	0
8a	21	9	30	LF	Concrete Curb	0	0	0	0	0	0	0
8b	222	9	231	LF	Concrete Curb and Gutter	0	0	0	0	0	0	0
9	0	11	11	EA	Remove and Replace Catch Basin	0	0	0	0	0	0	0
10a	110	10	120	LF	Sewer Repair (Less than or equal to 10-inch diameter)	0	5	0	0	0	0	0
10b	104	16	120	LF	Sewer Repair (12-inch diameter to 18-inch diameter)	5	0	0	0	0	29	5
10c	35	20	55	LF	Sewer Repair (21-inch diameter and larger)	0	0	0	0	0	10	0
10d	1	0	1	EA	New Cleanout on Lateral (Non-Paved Area)	0	0	0	0	0	0	0
11	1	0	1	LS	Video Recording of the Zone of Influence	0	0	0	0	0	0	0
12	1202	200	1402	LF	CCTV Inspections of Sewers	0	0	0	0	0	0	128
13	1	0	1	LS	Maintenance of Traffic	0	0	0	0	0	0	0
14	1	0	1	LS	Storm Water Pollution Prevention	0	0	0	0	0	0	0
15	1	0	1	LS	Clearing and Grubbing	0	0	0	0	0	0	0
16	1	0	1	LS	East Broadway Blow-off Manhole Access	0	0	0	0	0	0	0
17a	3	7	10	EA	Remove and Replace Sign	1	0	0	0	0	0	2
17b	14	6	20	EA	Remove and Replace Mailbox	0	0	0	0	0	0	0
18	217	12	229	LF	Remove Existing Water Main	0	0	0	0	0	0	0
19	362	8	370	EA	Remove and Replace Fence	0	0	0	0	0	0	0
Allowance	1	0	1	LS	Utility Pole Holding	0	0	0	0	0	0	0
Allowance	1	0	1	LS	Railroad Liability Insurance	0	0	0	0	0	0	0

PAY ITEMS AND GRAND TOTAL QUANTITIES LISTED REPRESENT THE TOTAL FOR THE ENTIRE PROJECT. FOR DETAILED QUANTITIES SPECIFIC TO EACH SUBPROJECT, CONTRACTOR SHALL REFER TO SHEET SPECIFIC QUANTITIES SHOWN ON EACH SUBPROJECT'S GENERAL SUMMARY SHEET.

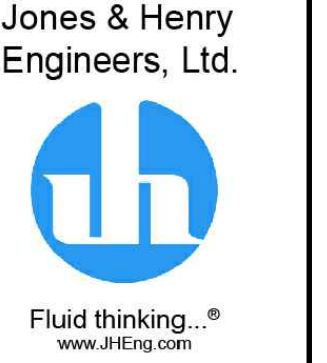
QUANTITY NOTES:

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- BIDDERS/CONTRACTORS SHALL CALL DISCREPANCIES TO THE ENGINEERS ATTENTION AS SOON AS THEY ARE DISCOVERED.
- BIDDER ACKNOWLEDGES THAT QUANTITIES ARE NOT GUARANTEED AND FINAL PAYMENT WILL BE BASED ON ACTUAL QUANTITIES DETERMINED AS PROVIDED IN THE CONTRACT DOCUMENTS.
- SURFACE REPAIR QUANTITIES ARE LISTED ON THEIR RESPECTIVE WATER MAIN PLAN AND PROFILE SHEET.

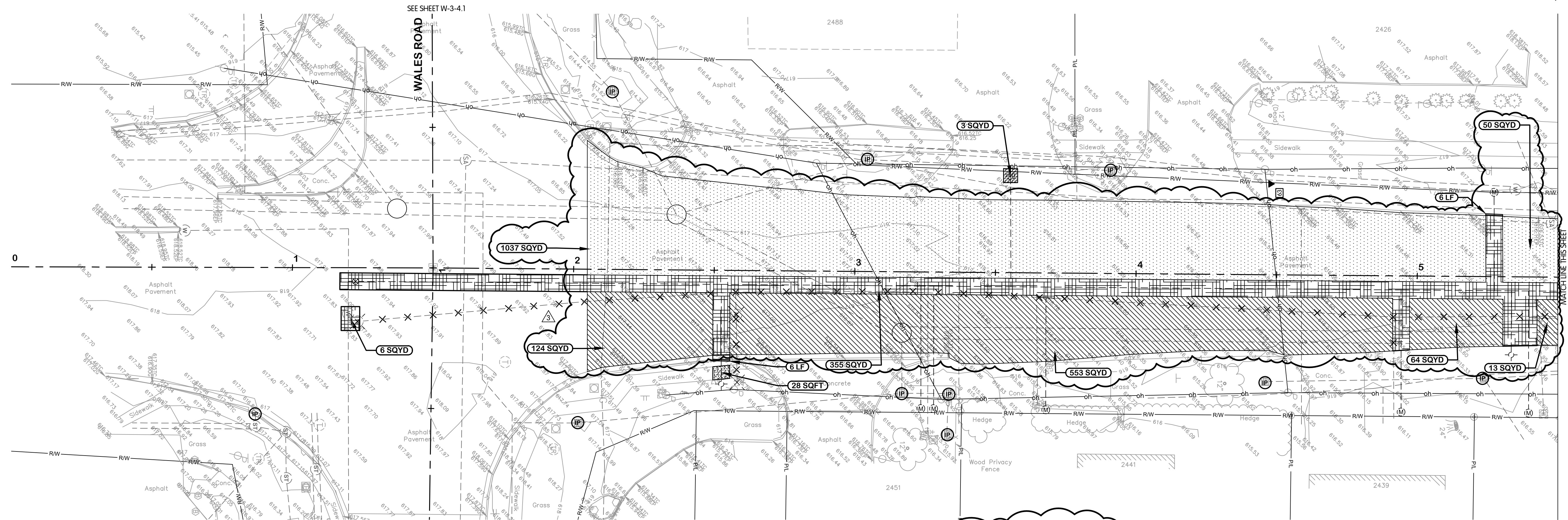


GENERAL SUMMARY
 NORTHWESTERN WATER & SEWER DISTRICT, OHIO
 2025 NWS 100 AREA WATERLINE IMPROVEMENTS WL-100E

DESIGNED BY: EAF
 DRAWN BY: DJK
 CHECKED BY: TAB
 STATUS: ISSUED FOR BID
 DATE: NOVEMBER 2024
 SHEET NO. G-5-0.11
 OF 116



JOB NO. 796-8149.001
 SCALE: NONE
 THIS LINE SCALES IF WHEN PLOTTED TO NOTED SCALE
 REVISIONS AFTER ISSUED FOR BID



NOTES:
1. THE LIMITS SHOWN ARE INTENDED TO CORRESPOND TO THE PAY LIMITS DEFINED IN SECTION 01010 UNLESS EXPANDED TO INCLUDE AREAS PLANNED TO BE DAMAGED BY THE WORK.
2. PAVEMENT REPAIRS SHALL MATCH THICKNESS OF EXISTING PAVEMENT.

OREGON ROAD

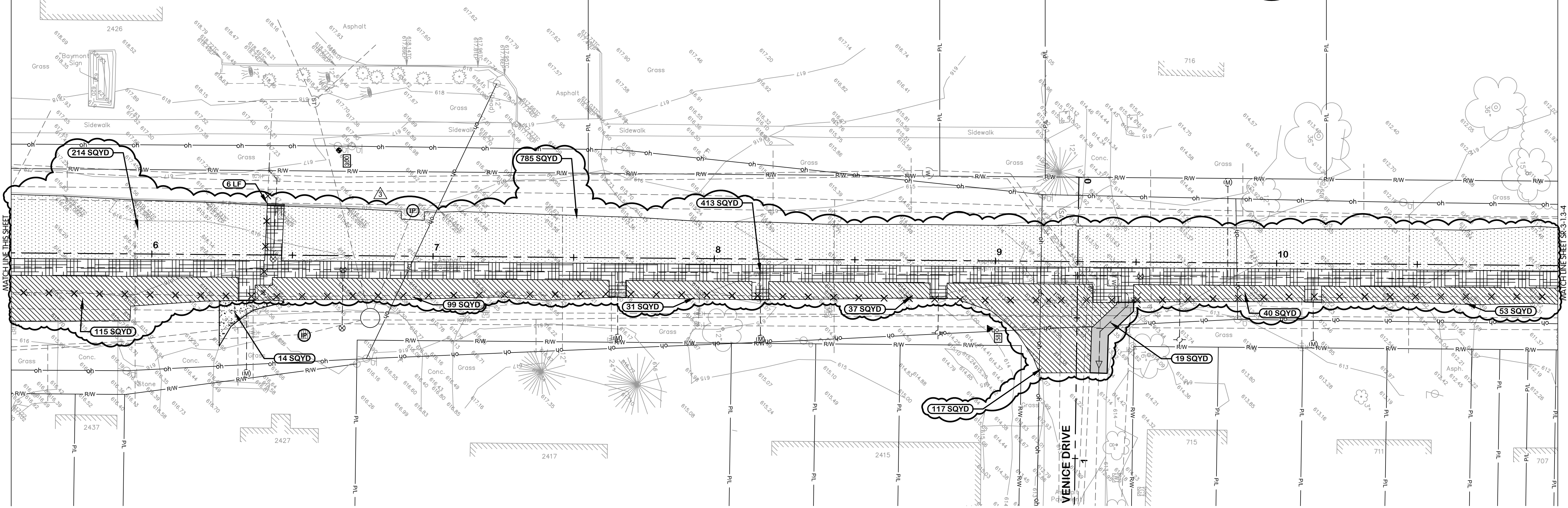
IP INLET PROTECTION, SEE DETAIL ON SHEET SR-0.4

— CURB AND GUTTER, SEE DETAILS ON SHEET SR-0.1, SEE NOTE 2

— SILT FENCE, SEE DETAIL ON SHEET SR-0.4

LEGEND

ASPHALT PAVEMENT REPAIR - HEAVY ROADWAY, SEE DETAIL ON SHEET SR-0.1	ALTERNATE ASPHALT PAVEMENT - PLANING AND RESURFACING, SEE DETAIL ON SHEET SR-0.1	6-INCH CONCRETE SIDEWALK, SEE DETAIL ON SHEET SR-0.2
ASPHALT DRIVE REPAIR, SEE DETAIL ON SHEET SR-0.1	GRAVEL DRIVE AND BERM REPAIR, SEE DETAIL ON SHEET SR-0.1	ASPHALT PAVEMENT REPAIR - RESIDENTIAL ROADWAY, SEE DETAIL ON SHEET SR-0.1
ASPHALT PAVEMENT - PLANING AND RESURFACING, SEE DETAIL ON SHEET SR-0.1	6-INCH CONCRETE DRIVE REPAIR, SEE DETAIL ON SHEET SR-0.1	4-INCH CONCRETE SIDEWALK, SEE DETAIL ON SHEET SR-0.1



BENCHMARK 300
SET BENCHMARK TIE IN
POWER AND TELEPHONE POLE
EL. 618.65

OREGON ROAD

TOL-815001SR-COMBINED-SR-11-Z OREGON STA 0+00 TO 11+00
12/09/2024, 10:18 AM - JHARRISON
12/09/2024, 10:21 AM

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	12/09/24	ADDENDUM 3	EAF
2			
3			
4			

Jones & Henry
Engineers, Ltd.

Fluid thinking.
www.jheng.com

JOB NO. 796-8149.001

SCALE 1"=20'

THIS LINE SCALES IF WHEN PLOTTED TO NOTED SCALE

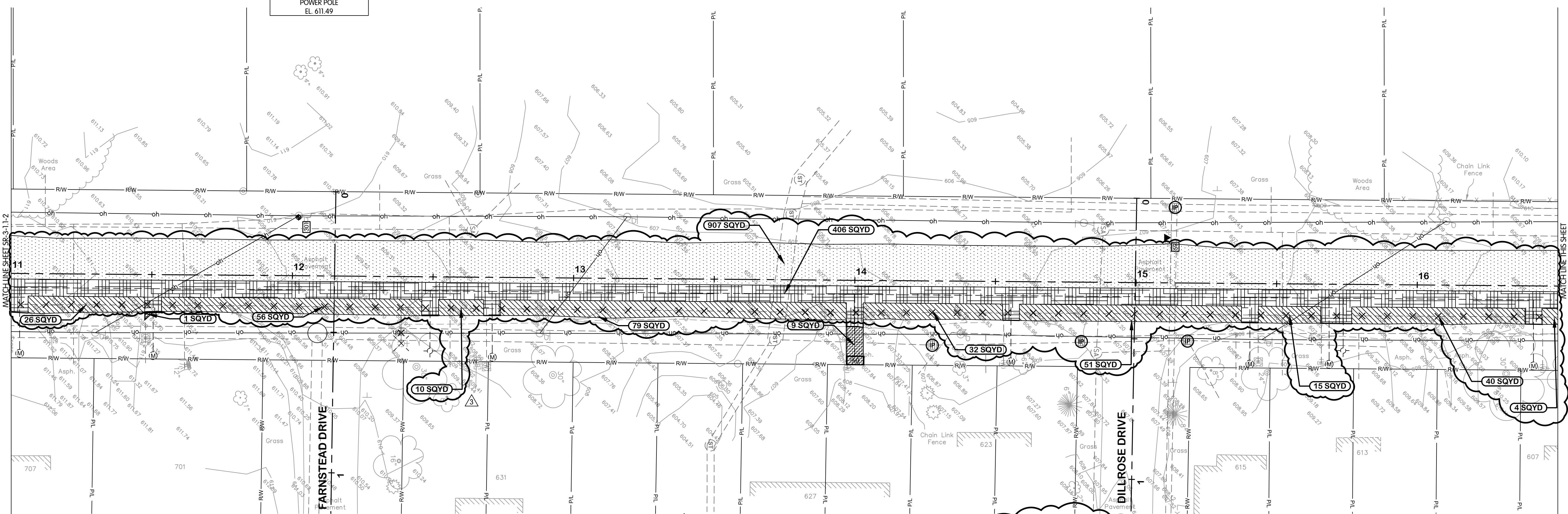
DESIGNED	DRAWN	CHECKED
EAF	DJK	TAB

STATUS: ISSUED FOR BID

DATE: NOVEMBER 2024

SHEET NO.
SR-3-1.1-2
97 of 116

BENCHMARK 301
SET BENCHMARK TIE IN
POWER POLE
EL. 611.49

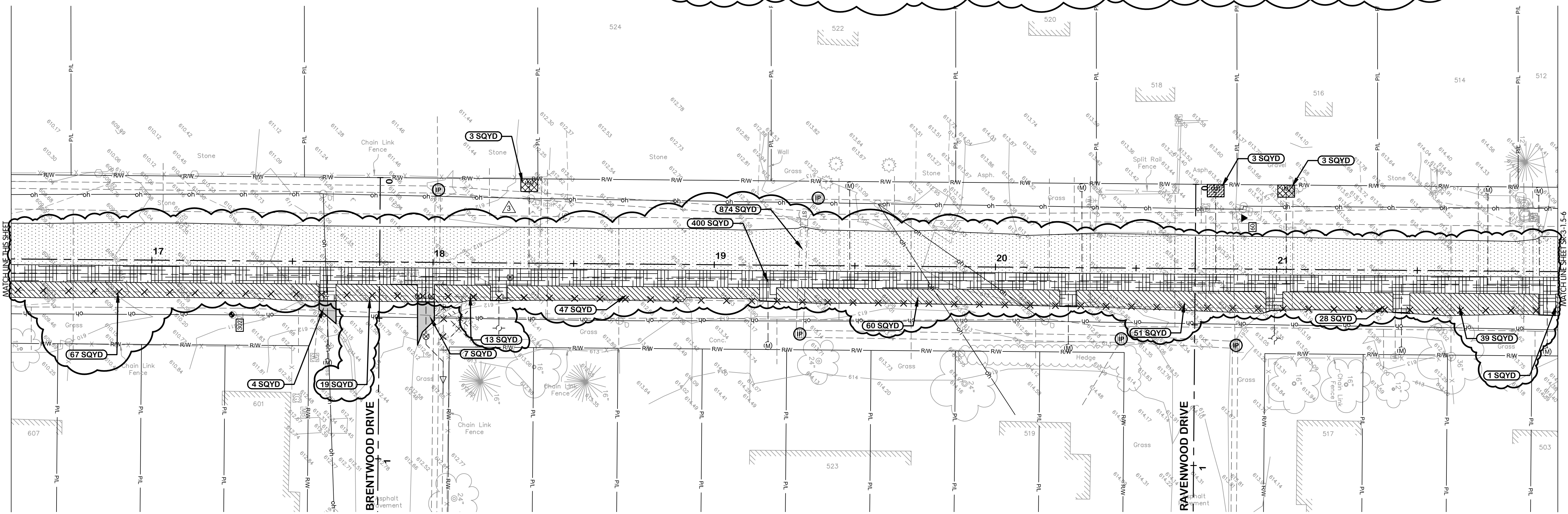


- NOTES:
1. THE LIMITS SHOWN ARE INTENDED TO CORRESPOND TO THE PAY LIMITS DEFINED IN SECTION 01010 UNLESS EXPANDED TO INCLUDE AREAS PLANNED TO BE DAMAGED BY THE WORK. PAVEMENT REPAIRS SHALL MATCH THICKNESS OF EXISTING PAVEMENT.
 - 2.

OREGON ROAD

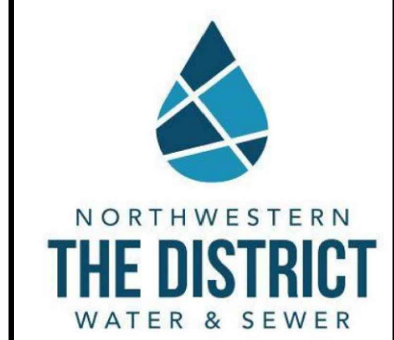
LEGEND

INLET PROTECTION, SEE DETAIL ON SHEET SR-0.4	ASPHALT PAVEMENT REPAIR - HEAVY ROADWAY, SEE DETAIL ON SHEET SR-0.1	ALTERNATE ASPHALT PAVEMENT - PLANING AND RESURFACING, SEE DETAIL ON SHEET SR-0.1	6-INCH CONCRETE SIDEWALK, SEE DETAIL ON SHEET SR-0.2
CURB AND GUTTER, SEE DETAILS ON SHEET SR-0.1, SEE NOTE 2	ASPHALT DRIVE REPAIR, SEE DETAIL ON SHEET SR-0.1	GRAVEL DRIVE AND BERM REPAIR, SEE DETAIL ON SHEET SR-0.1	ASPHALT PAVEMENT REPAIR - RESIDENTIAL ROADWAY, SEE DETAIL ON SHEET SR-0.1
SILT FENCE, SEE DETAIL ON SHEET SR-0.4	ASPHALT PAVEMENT - PLANING AND RESURFACING, SEE DETAIL ON SHEET SR-0.1	6-INCH CONCRETE DRIVE REPAIR, SEE DETAIL ON SHEET SR-0.1	4-INCH CONCRETE SIDEWALK, SEE DETAIL ON SHEET SR-0.1



BENCHMARK 302
SET BENCHMARK TIE IN
POWER AND TELEPHONE POLE
EL. 611.70

TOL-815001SR-COMBINED-SR-1.3-4 OREGON STA. 11+00 TO 22+00
12/19/2024, 10:18 AM - JHARRISON
12/19/2024, 10:21 AM



OREGON ROAD
SURFACE RESTORATION
PLANS
STA. 11+00 TO 22+00

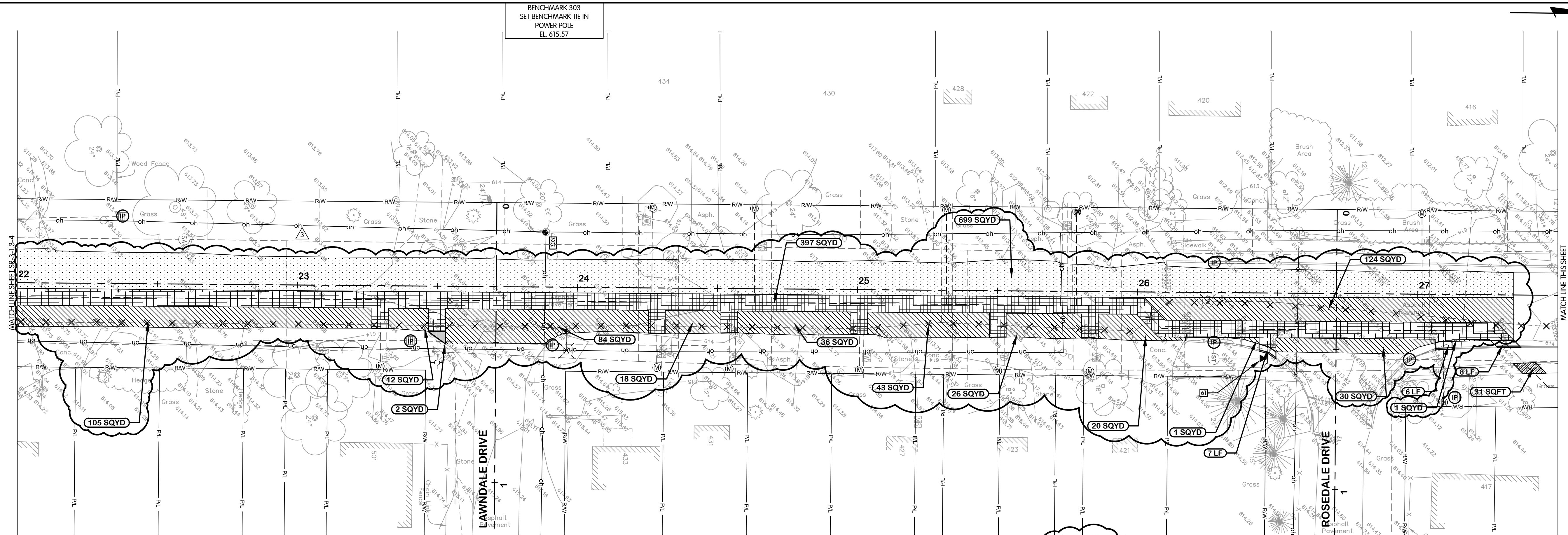
NORTHWESTERN WATER & SEWER DISTRICT, OHIO
2025 NWS 100 AREA WATERLINE IMPROVEMENTS WL-100E

Jones & Henry
Engineers, Ltd.

JOB NO.	796-8149.001	
SCALE	1"=20'	
THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE		
DESIGNED	DRAWN	CHECKED
EAF	DJK	TAB
STATUS: ISSUED FOR BID		
DATE: NOVEMBER 2024		

SHEET NO.
SR-3-1.3-4
98 OF 116

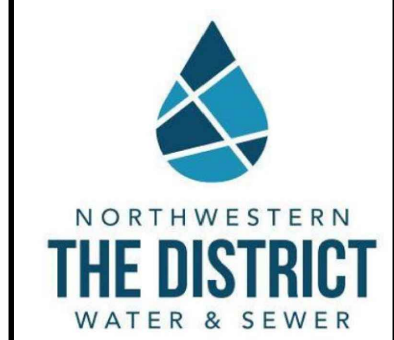
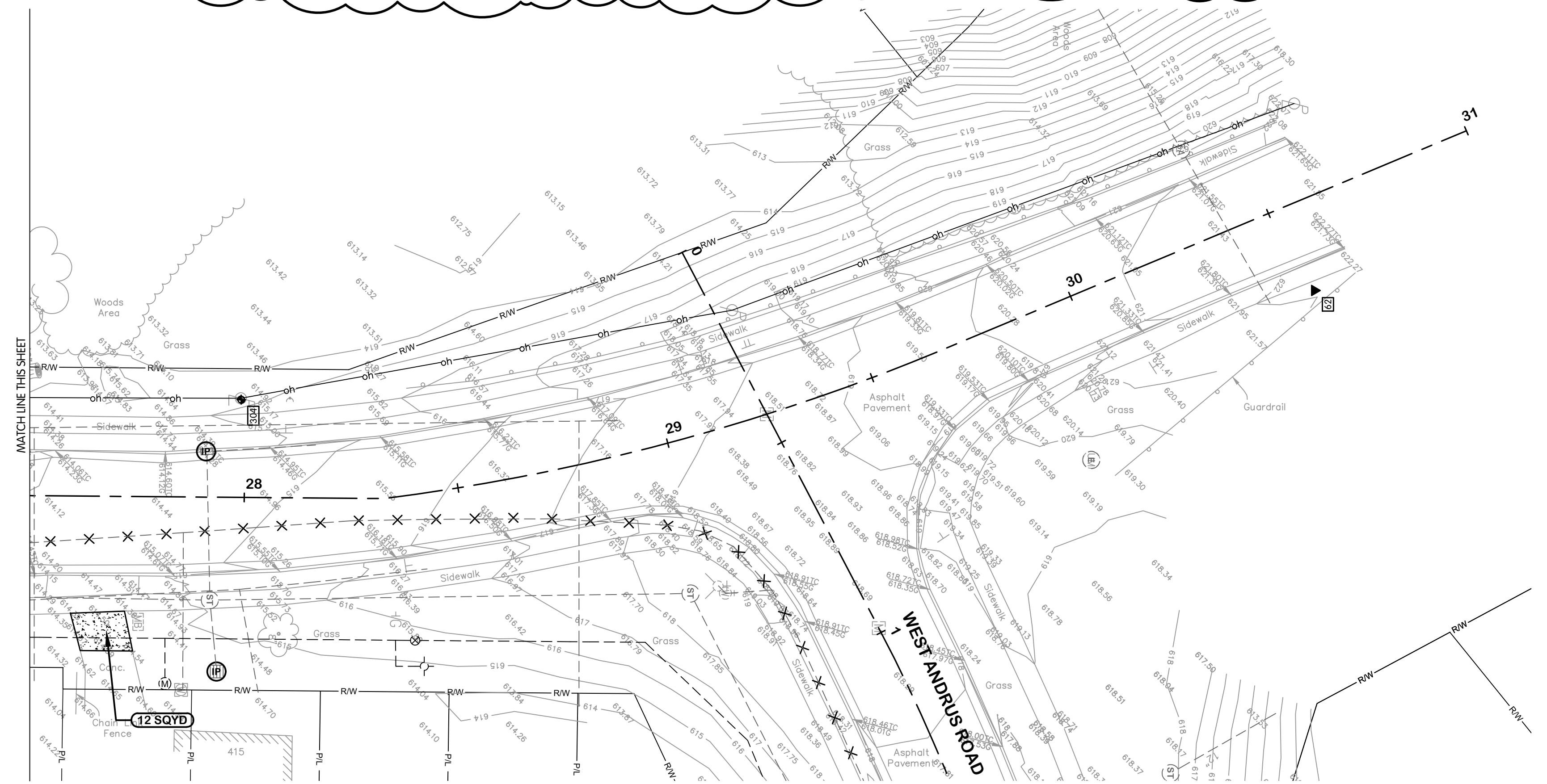
TOL-850001SR-COMBINED-SR-1.5-4 OREGON STA 22+00 TO 31+00
12/9/2024 10:18 AM - JHARRISON
12/9/2024 10:21 AM



- NOTES:
1. THE LIMITS SHOWN ARE INTENDED TO CORRESPOND TO THE PAY LIMITS DEFINED IN SECTION 01010 UNLESS EXPANDED TO INCLUDE AREAS PLANNED TO BE DAMAGED BY THE WORK.
 2. PAVEMENT REPAIRS SHALL MATCH THICKNESS OF EXISTING PAVEMENT.

OREGON ROAD

<p>(IP) INLET PROTECTION, SEE DETAIL ON SHEET SR-0.4</p> <p>— CURB AND GUTTER, SEE DETAILS ON SHEET SR-0.1, SEE NOTE 2</p> <p>— SILT FENCE, SEE DETAIL ON SHEET SR-0.4</p>	<p>ASPHALT PAVEMENT REPAIR - HEAVY ROADWAY, SEE DETAIL ON SHEET SR-0.1</p> <p>ASPHALT DRIVE REPAIR, SEE DETAIL ON SHEET SR-0.1</p> <p>ASPHALT PAVEMENT - PLANING AND RESURFACING, SEE DETAIL ON SHEET SR-0.1</p>	<p>ALTERNATE ASPHALT PAVEMENT - PLANING AND RESURFACING, SEE DETAIL ON SHEET SR-0.1</p> <p>GRAVEL DRIVE AND BERM REPAIR, SEE DETAIL ON SHEET SR-0.1</p> <p>6-INCH CONCRETE DRIVE REPAIR, SEE DETAIL ON SHEET SR-0.1</p>	<p>6-INCH CONCRETE SIDEWALK, SEE DETAIL ON SHEET SR-0.2</p> <p>ASPHALT PAVEMENT REPAIR - RESIDENTIAL ROADWAY, SEE DETAIL ON SHEET SR-0.1</p> <p>4-INCH CONCRETE SIDEWALK, SEE DETAIL ON SHEET SR-0.1</p>
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**OREGON ROAD
SURFACE RESTORATION
PLANS**

STA. 22+00 TO 31+00
NORTHWESTERN WATER & SEWER DISTRICT, OHIO
2025 NWS 100 AREA WATERLINE IMPROVEMENTS WL-100E

EAF BY

NO. 1 12/09/24 ADDENDUM 3
2 12/09/24
3 12/09/24
4 12/09/24

DATE

REVISIONS AFTER ISSUED FOR BID

NO.

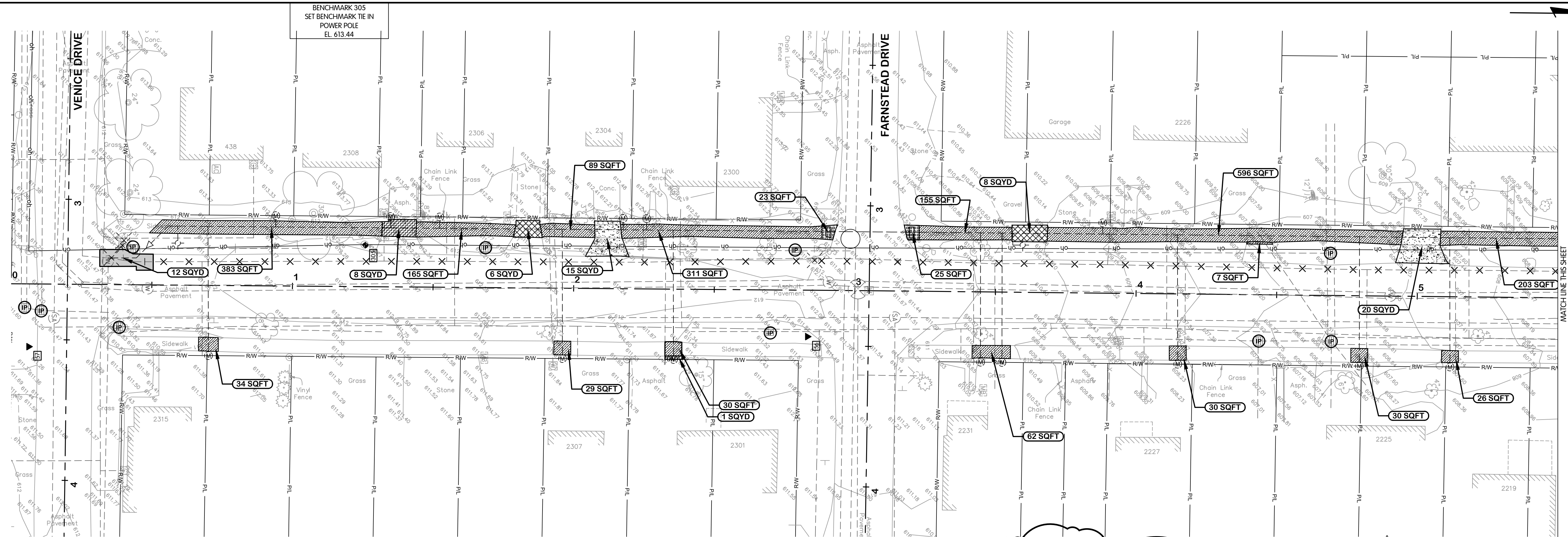
Jones & Henry
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DESIGNED	DRAWN	CHECKED
EAF	DJK	TAB
STATUS: ISSUED FOR BID		
DATE: NOVEMBER 2024		
SHEET NO.		

SR-3-1.5-6
99 of 116

TOL-85000SR2-COMBINED-SR-2 1-2 SHEFFIELD STA 0+00 TO 1+00
12/9/2024 10:17 AM - JHARRISON
12/9/2024 10:21 AM



NOTES:
1. THE LIMITS SHOWN ARE INTENDED TO CORRESPOND TO THE PAY LIMITS DEFINED IN SECTION 01010 UNLESS EXPANDED TO INCLUDE AREAS PLANNED TO BE DAMAGED BY THE WORK.
2. PAVEMENT REPAIRS SHALL MATCH THICKNESS OF EXISTING PAVEMENT.

SHEFFIELD PLACE

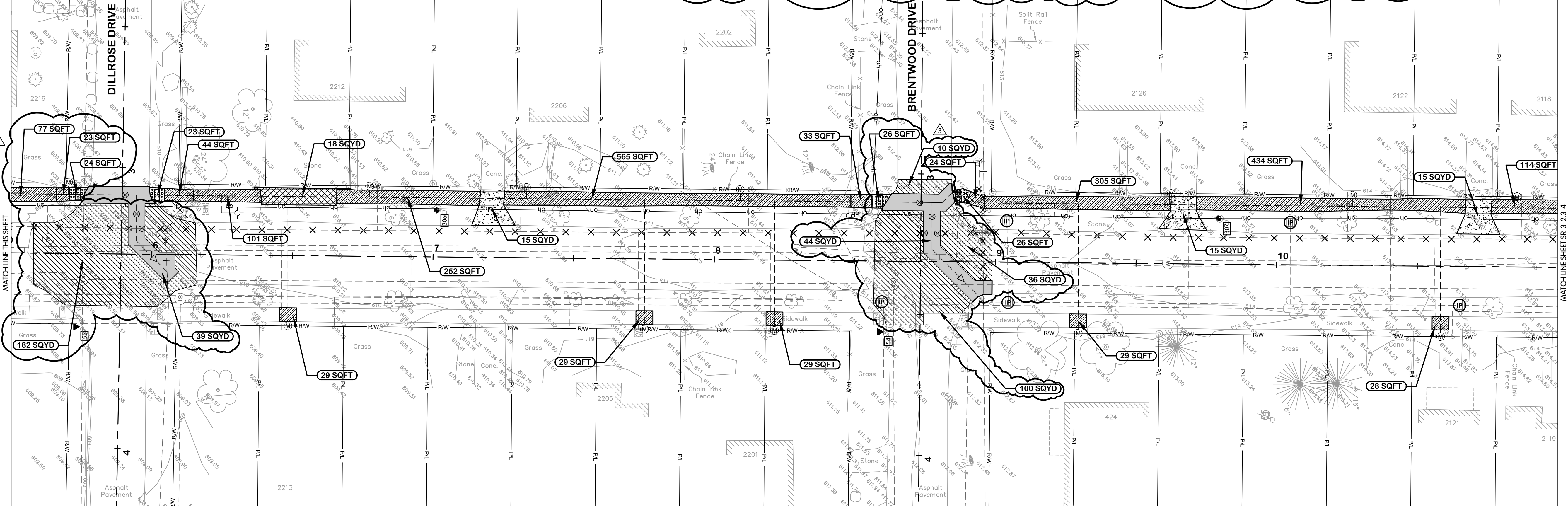
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— CURB AND GUTTER, SEE DETAILS ON SHEET SR-0.1, SEE NOTE 2

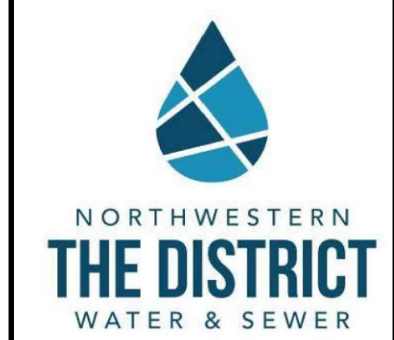
— SILT FENCE, SEE DETAIL ON SHEET SR-0.4

LEGEND

ASPHALT PAVEMENT REPAIR - HEAVY ROADWAY, SEE DETAIL ON SHEET SR-0.1	ALTERNATE ASPHALT PAVEMENT - PLANING AND RESURFACING, SEE DETAIL ON SHEET SR-0.1	6-INCH CONCRETE SIDEWALK, SEE DETAIL ON SHEET SR-0.2
ASPHALT DRIVE REPAIR, SEE DETAIL ON SHEET SR-0.1	GRAVEL DRIVE AND BERM REPAIR, SEE DETAIL ON SHEET SR-0.1	ASPHALT PAVEMENT REPAIR - RESIDENTIAL ROADWAY, SEE DETAIL ON SHEET SR-0.1
ASPHALT PAVEMENT - PLANING AND RESURFACING, SEE DETAIL ON SHEET SR-0.1	6-INCH CONCRETE DRIVE REPAIR, SEE DETAIL ON SHEET SR-0.1	4-INCH CONCRETE SIDEWALK, SEE DETAIL ON SHEET SR-0.1



SHEFFIELD PLACE



**SHEFFIELD PLACE
SURFACE RESTORATION
PLANS
STA. 0+00 TO 1+00**

NORTHWESTERN WATER & SEWER DISTRICT, OHIO
2025 NWS 100 AREA WATERLINE IMPROVEMENTS WL-100E



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JOB NO. 796-8149.001

SCALE 1"=20'

DESIGNED EAF DRAWN DJK CHECKED TAB

STATUS ISSUED FOR BID

DATE NOVEMBER 2024

SHEET NO.
SR-3-2.1-2
100 OF 116

**SHEFFIELD PLACE
SURFACE RESTORATION
PLANS**

STA. 11+00 TO 22+00

NORTHWESTERN WATER & SEWER DISTRICT, OHIO
2025 NWS 100 AREA WATERLINE IMPROVEMENTS WL-100E

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Engineers, Ltd.



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JOB NO. 796-8149.001

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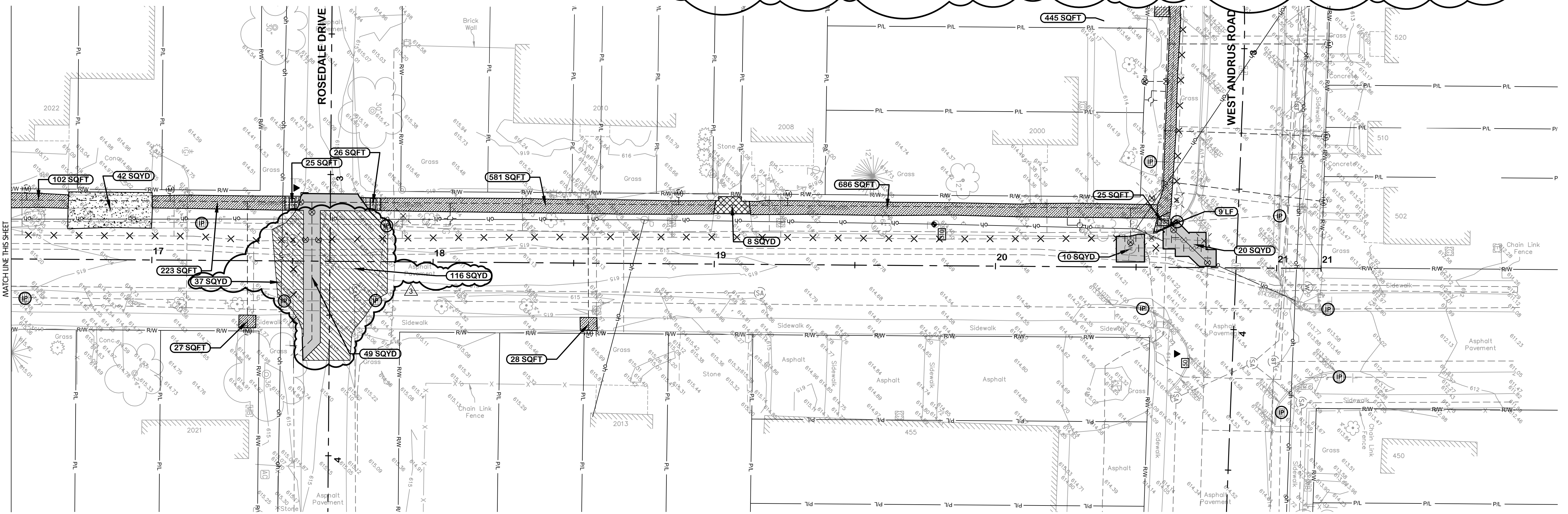
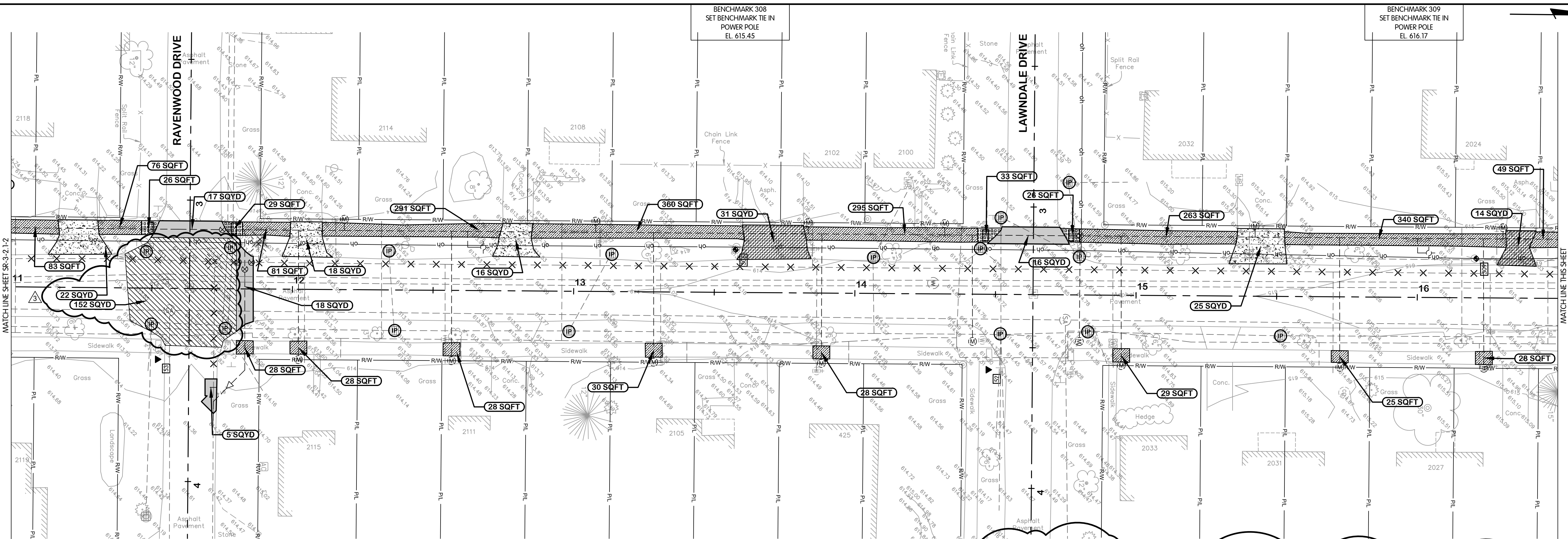
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STATUS: ISSUED FOR BID
DATE: NOVEMBER 2024

SHEET NO.
SR-3-2.3-4

101 OF 116



- NOTES:
1. THE LIMITS SHOWN ARE INTENDED TO CORRESPOND TO THE PAY LIMITS DEFINED IN SECTION 01010 UNLESS EXPANDED TO INCLUDE AREAS PLANNED TO BE DAMAGED BY THE WORK. PAVEMENT REPAIRS SHALL MATCH THICKNESS OF EXISTING PAVEMENT.
 - 2.

SHEFFIELD PLACE

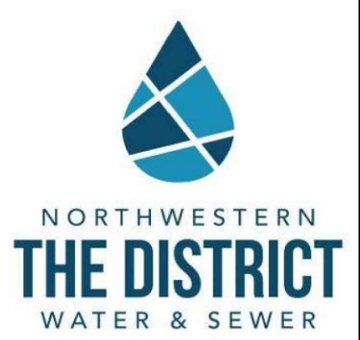
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CURB AND GUTTER, SEE DETAILS ON SHEET SR-0.1, SEE NOTE 2	ASPHALT DRIVE REPAIR, SEE DETAIL ON SHEET SR-0.1	GRAVEL DRIVE AND BERM REPAIR, SEE DETAIL ON SHEET SR-0.1	ASPHALT PAVEMENT REPAIR - RESIDENTIAL ROADWAY, SEE DETAIL ON SHEET SR-0.1
SILT FENCE, SEE DETAIL ON SHEET SR-0.4	ASPHALT PAVEMENT - PLANING AND RESURFACING, SEE DETAIL ON SHEET SR-0.1	6-INCH CONCRETE DRIVE REPAIR, SEE DETAIL ON SHEET SR-0.1	4-INCH CONCRETE SIDEWALK, SEE DETAIL ON SHEET SR-0.1

TOL-815001SR2-COMBINED-SR-2, 3-4, SHEFFIELD STA 11+00 TO 22+00
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12/9/2024, 10:21 AM

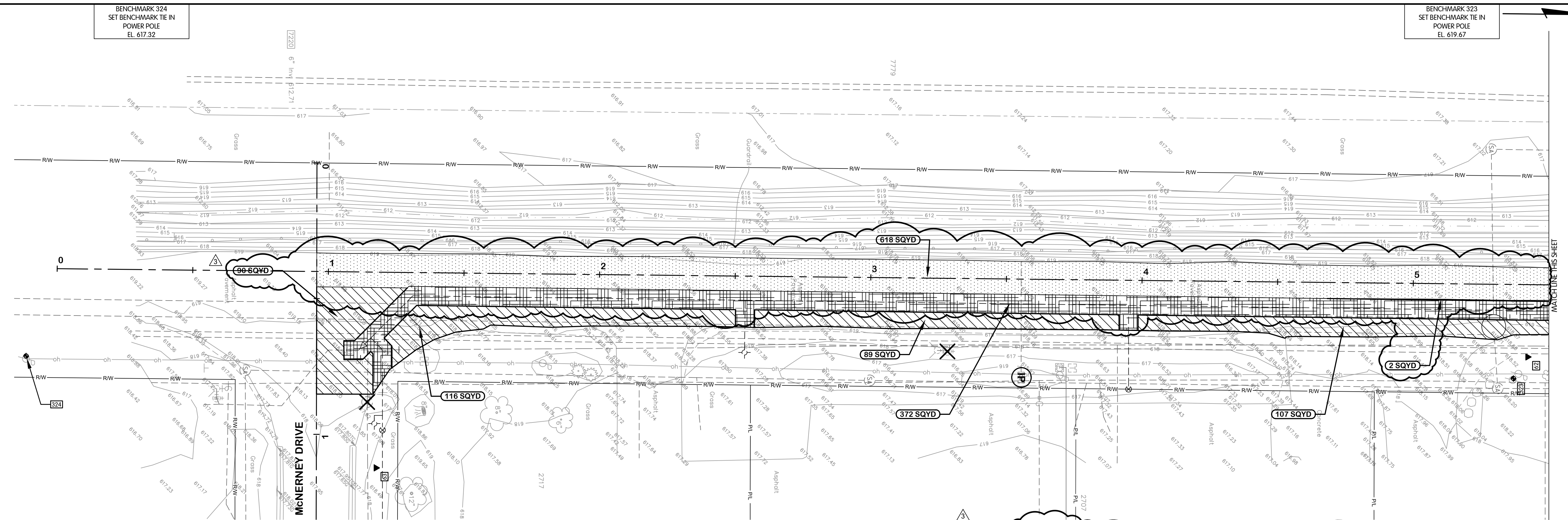
BENCHMARK 324
SET BENCHMARK TIE IN
POWER POLE
EL. 617.32

BENCHMARK 323
SET BENCHMARK TIE IN
POWER POLE
EL. 619.67



TRACY ROAD
SURFACE RESTORATION
PLANS
STA. 0+00 TO 1+00

NORTHWESTERN WATER & SEWER DISTRICT, OHIO
2025 NWS 100 AREA WATERLINE IMPROVEMENTS WL-100E



SEE SHEET SR-4-2.1-2

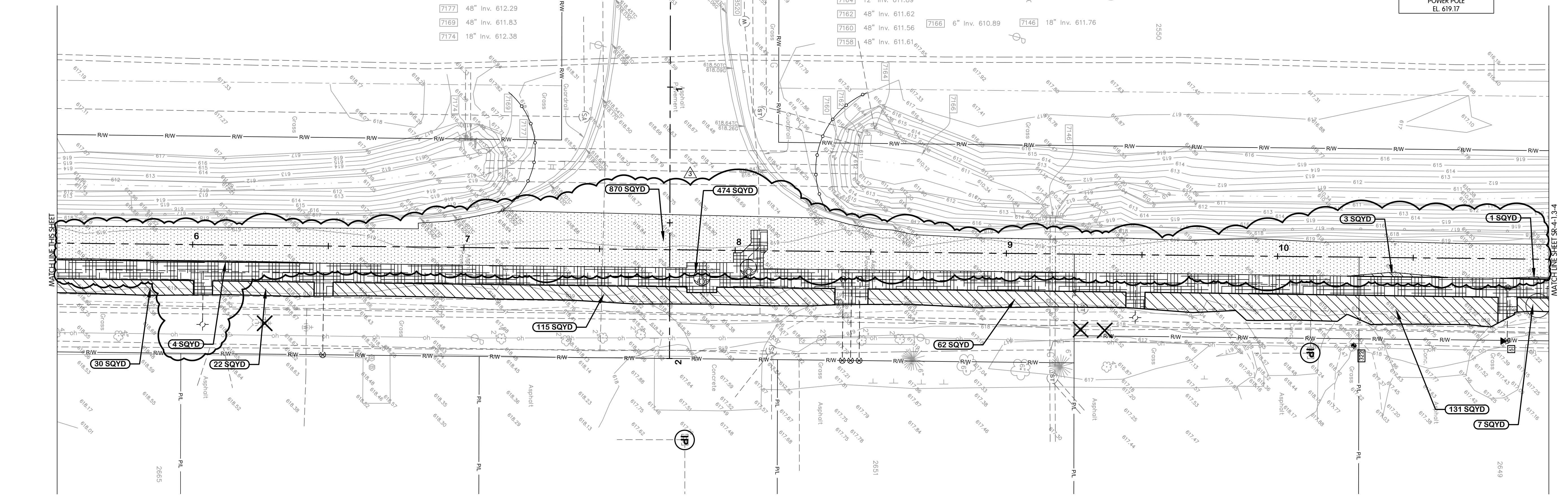
- NOTES:
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 - 2.

TRACY ROAD

INLET PROTECTION, SEE DETAIL ON SHEET SR-0.4	ASPHALT PAVEMENT REPAIR - HEAVY ROADWAY, SEE DETAIL ON SHEET SR-0.1	ALTERNATE ASPHALT PAVEMENT - PLANING AND RESURFACING, SEE DETAIL ON SHEET SR-0.1	6-INCH CONCRETE SIDEWALK, SEE DETAIL ON SHEET SR-0.2
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SILT FENCE, SEE DETAIL ON SHEET SR-0.4	ASPHALT PAVEMENT - PLANING AND RESURFACING, SEE DETAIL ON SHEET SR-0.1	6-INCH CONCRETE DRIVE REPAIR, SEE DETAIL ON SHEET SR-0.1	4-INCH CONCRETE SIDEWALK, SEE DETAIL ON SHEET SR-0.1

BENCHMARK 322
SET BENCHMARK TIE IN
POWER POLE
EL. 619.17

- 7177 48" Inv. 612.29
- 7169 48" Inv. 611.83
- 7174 18" Inv. 612.38



TRACY ROAD

TOL-812700SR-COMBINED-SR-1-1 TRACY STA 0+00 TO 1+00
12/9/2024, 10:14 AM - JHARRISON
12/9/2024, 10:22 AM

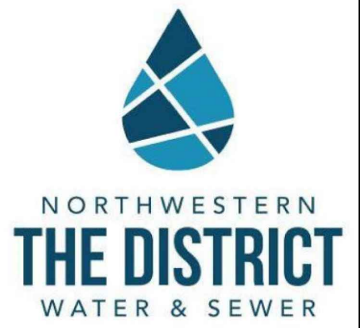
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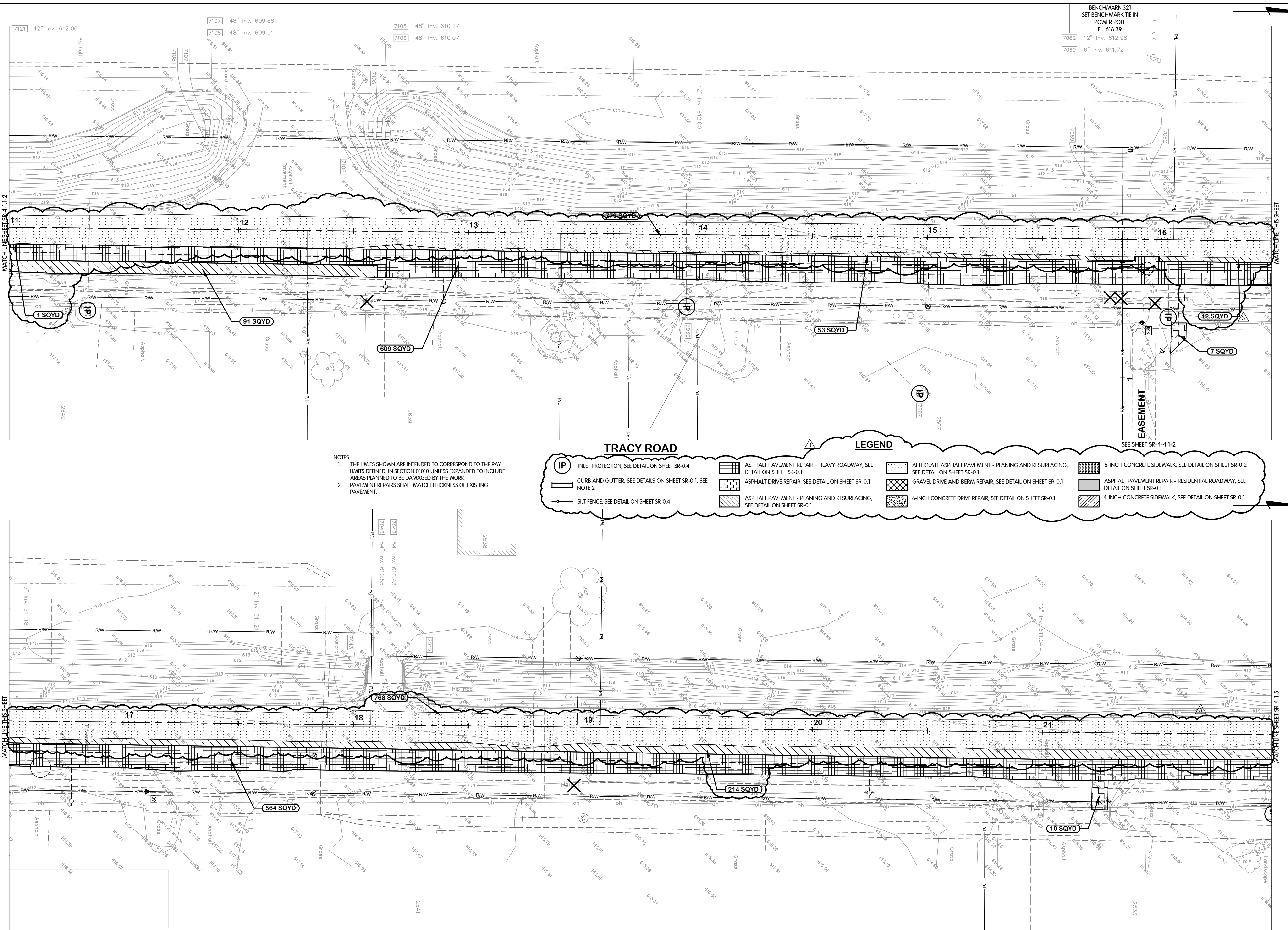
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JOB NO.	796-8149.001
SCALE	1"=20'
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DESIGNED	EAJ
DRAWN	DJK
CHECKED	TAB
STATUS	ISSUED FOR BID
DATE	NOVEMBER 2024

SHEET NO.
SR-4-1.1-2
103 OF 116



TRACY ROAD
SURFACE RESTORATION
PLANS
STA. 11+00 TO 22+00
NORTHWESTERN WATER & SEWER DISTRICT, OHIO
2025 NWS 100 AREA WATERLINE IMPROVEMENTS WL-100E



NOTES:
1. THE LIMITS SHOWN ARE INTENDED TO CORRESPOND TO THE PAY LIMITS DEFINED IN SECTION 01010 UNLESS EXPANDED TO INCLUDE AREAS PLANNED TO BE DAMAGED BY THE WORK.
2. PAVEMENT REPAIRS SHALL MATCH THICKNESS OF EXISTING PAVEMENT.

TRACY ROAD

LEGEND

INLET PROTECTION, SEE DETAIL ON SHEET SR-0.4	ASPHALT PAVEMENT REPAIR - HEAVY ROADWAY, SEE DETAIL ON SHEET SR-0.1	ALTERNATE ASPHALT PAVEMENT - PLANING AND RESURFACING, SEE DETAIL ON SHEET SR-0.1	6-INCH CONCRETE SIDEWALK, SEE DETAIL ON SHEET SR-0.2
CURB AND GUTTER, SEE DETAILS ON SHEET SR-0.1, SEE NOTE 2	ASPHALT DRIVE REPAIR, SEE DETAIL ON SHEET SR-0.1	GRAVEL DRIVE AND BERM REPAIR, SEE DETAIL ON SHEET SR-0.1	ASPHALT PAVEMENT REPAIR - RESIDENTIAL ROADWAY, SEE DETAIL ON SHEET SR-0.1
SILT FENCE, SEE DETAIL ON SHEET SR-0.4	ASPHALT PAVEMENT - PLANING AND RESURFACING, SEE DETAIL ON SHEET SR-0.1	6-INCH CONCRETE DRIVE REPAIR, SEE DETAIL ON SHEET SR-0.1	4-INCH CONCRETE SIDEWALK, SEE DETAIL ON SHEET SR-0.1

TOL-812700SR-COMBINED-SR-1.3-4, TRACY STA. 11+00 TO 22+00
12/9/2024, 10:14 AM - JHARRISON
12/9/2024, 10:22 AM

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	12/09/24	ADDENDUM 3	EAF
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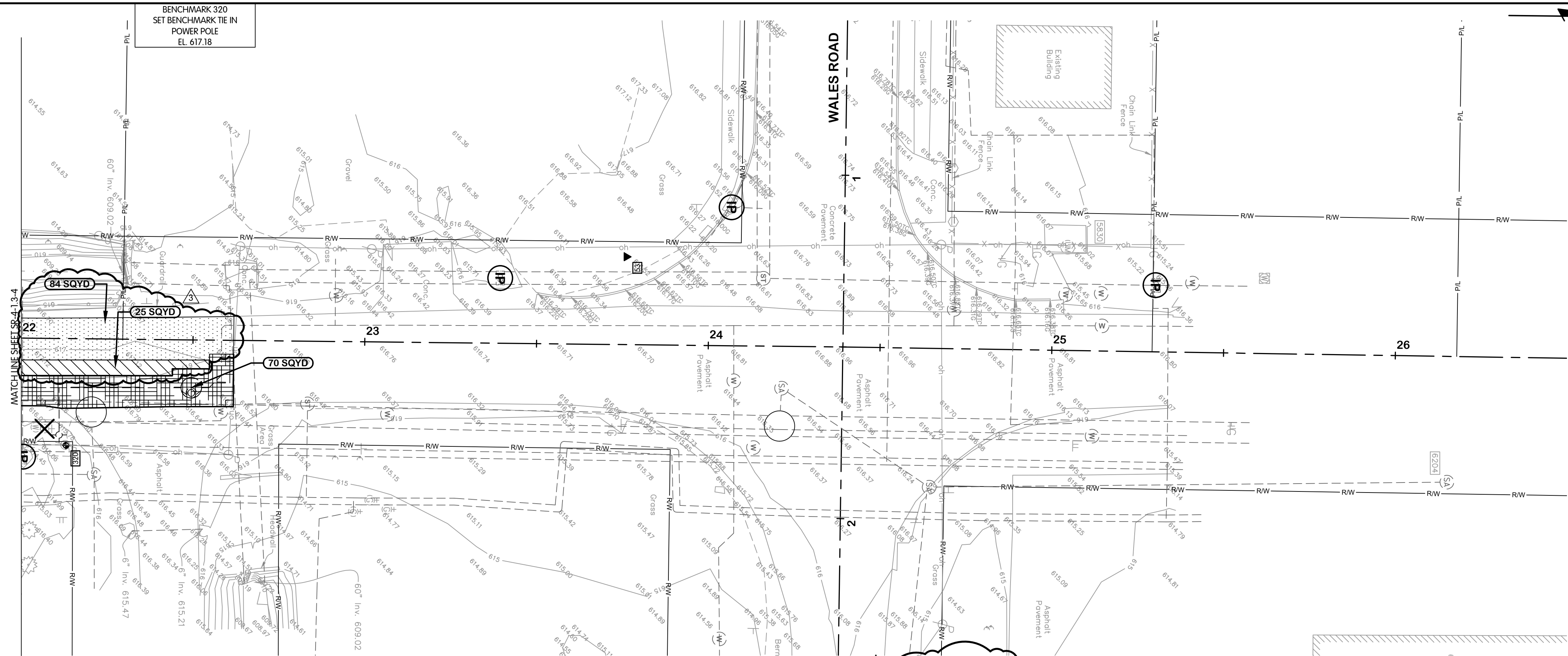
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DATE: NOVEMBER 2024

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SR-4-1.3-4
104 OF 116

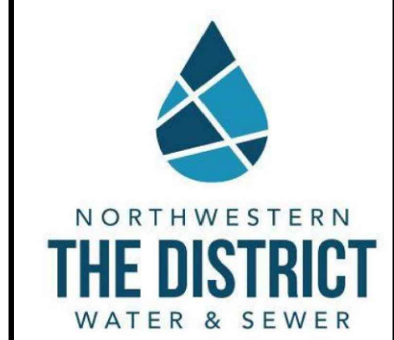
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 12/9/2024 10:14 AM - JHARRISON
 12/9/2024 10:22 AM



- NOTES:
1. THE LIMITS SHOWN ARE INTENDED TO CORRESPOND TO THE PAY LIMITS DEFINED IN SECTION 01010 UNLESS EXPANDED TO INCLUDE AREAS PLANNED TO BE DAMAGED BY THE WORK.
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TRACY ROAD

INLET PROTECTION, SEE DETAIL ON SHEET SR-0.4	ASPHALT PAVEMENT REPAIR - HEAVY ROADWAY, SEE DETAIL ON SHEET SR-0.1	ALTERNATE ASPHALT PAVEMENT - PLANING AND RESURFACING, SEE DETAIL ON SHEET SR-0.1	6-INCH CONCRETE SIDEWALK, SEE DETAIL ON SHEET SR-0.2
CURB AND GUTTER, SEE DETAILS ON SHEET SR-0.1, SEE NOTE 2	ASPHALT DRIVE REPAIR, SEE DETAIL ON SHEET SR-0.1	GRAVEL DRIVE AND BERM REPAIR, SEE DETAIL ON SHEET SR-0.1	ASPHALT PAVEMENT REPAIR - RESIDENTIAL ROADWAY, SEE DETAIL ON SHEET SR-0.1
SILT FENCE, SEE DETAIL ON SHEET SR-0.4	ASPHALT PAVEMENT - PLANING AND RESURFACING, SEE DETAIL ON SHEET SR-0.1	6-INCH CONCRETE DRIVE REPAIR, SEE DETAIL ON SHEET SR-0.1	4-INCH CONCRETE SIDEWALK, SEE DETAIL ON SHEET SR-0.1



TRACY ROAD
 SURFACE RESTORATION
 PLAN
 STA. 22+00 TO 26+50

NORTHWESTERN WATER & SEWER DISTRICT, OHIO
 2025 NWS 100 AREA WATERLINE IMPROVEMENTS WL-100E

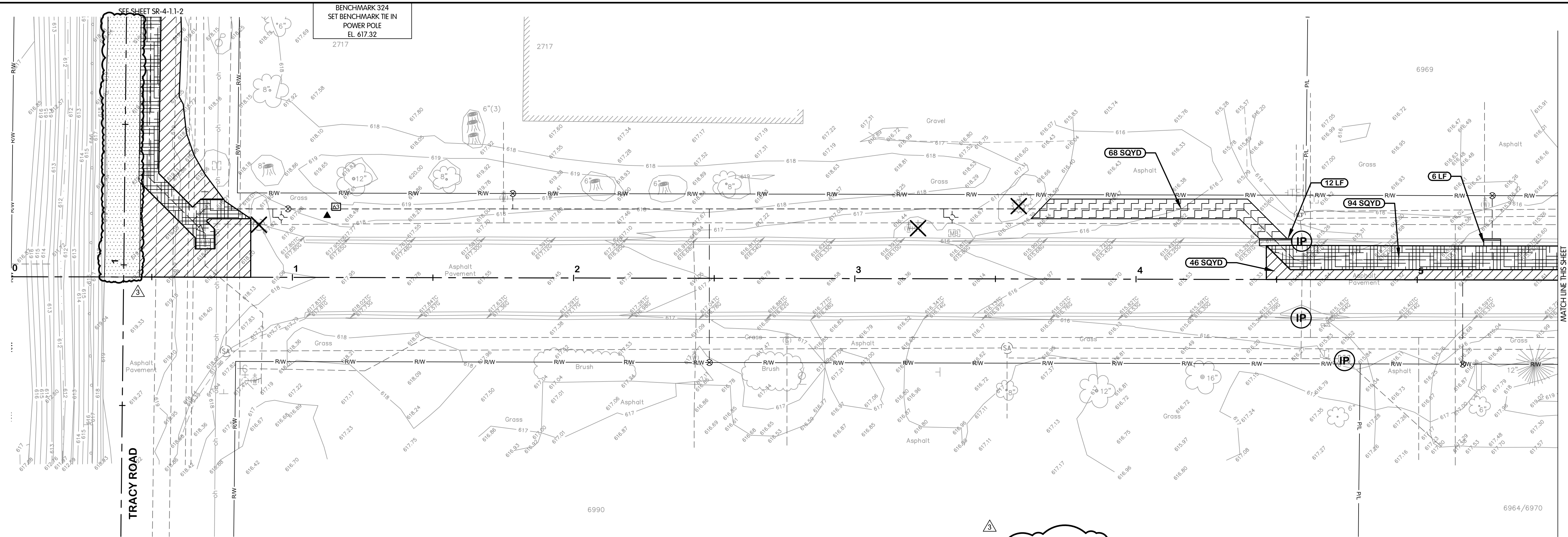
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DATE	NOVEMBER 2024
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NO. 1 2 3 4 5
 DATE 12/09/24
 ADDENDUM 3
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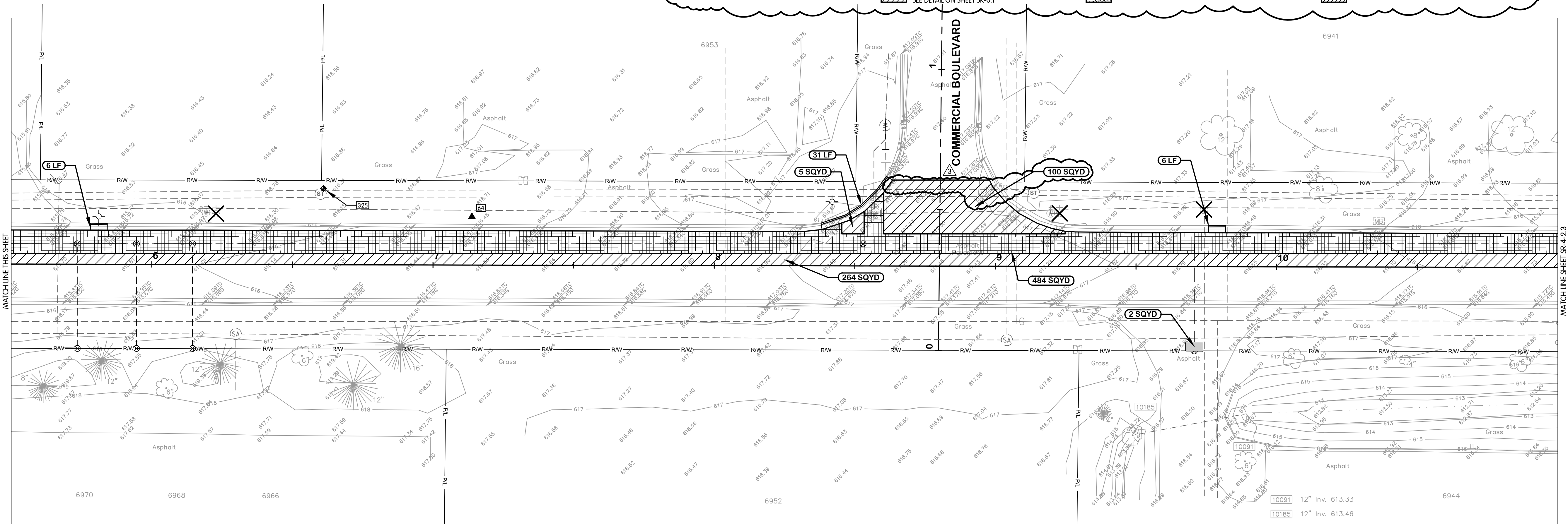
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12/9/2024, 10:15 AM - JHARRISON
12/9/2024, 10:22 AM



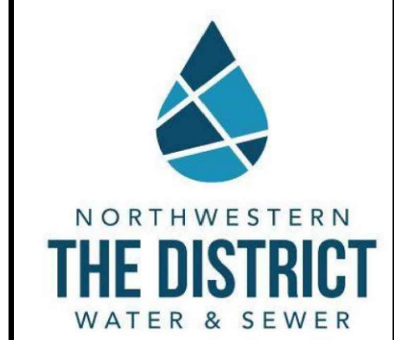
- NOTES:
1. THE LIMITS SHOWN ARE INTENDED TO CORRESPOND TO THE PAY LIMITS DEFINED IN SECTION 01010 UNLESS EXPANDED TO INCLUDE AREAS PLANNED TO BE DAMAGED BY THE WORK.
 2. PAVEMENT REPAIRS SHALL MATCH THICKNESS OF EXISTING PAVEMENT.

McNERNEY DRIVE

<p>IP INLET PROTECTION, SEE DETAIL ON SHEET SR-0.4</p> <p> CURB AND GUTTER, SEE DETAILS ON SHEET SR-0.1, SEE NOTE 2</p> <p> SILT FENCE, SEE DETAIL ON SHEET SR-0.4</p>	<p> ASPHALT PAVEMENT REPAIR - HEAVY ROADWAY, SEE DETAIL ON SHEET SR-0.1</p> <p> ASPHALT DRIVE REPAIR, SEE DETAIL ON SHEET SR-0.1</p> <p> ASPHALT PAVEMENT - PLANNING AND RESURFACING, SEE DETAIL ON SHEET SR-0.1</p>	<p>LEGEND</p> <p> ALTERNATE ASPHALT PAVEMENT - PLANNING AND RESURFACING, SEE DETAIL ON SHEET SR-0.1</p> <p> GRAVEL DRIVE AND BERM REPAIR, SEE DETAIL ON SHEET SR-0.1</p> <p> 6-INCH CONCRETE DRIVE REPAIR, SEE DETAIL ON SHEET SR-0.1</p>	<p> 6-INCH CONCRETE SIDEWALK, SEE DETAIL ON SHEET SR-0.2</p> <p> ASPHALT PAVEMENT REPAIR - RESIDENTIAL ROADWAY, SEE DETAIL ON SHEET SR-0.1</p> <p> 4-INCH CONCRETE SIDEWALK, SEE DETAIL ON SHEET SR-0.1</p>
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McNERNEY DRIVE



**MCNERNEY DRIVE
SURFACE RESTORATION
PLANS
STA. 0+00 TO 11+00**

NORTHWESTERN WATER & SEWER DISTRICT, OHIO
2025 NWS100 AREA WATERLINE IMPROVEMENTS WL-100E

REVISIONS AFTER ISSUED FOR BID	EAF
NO.	DATE
1	12/09/24
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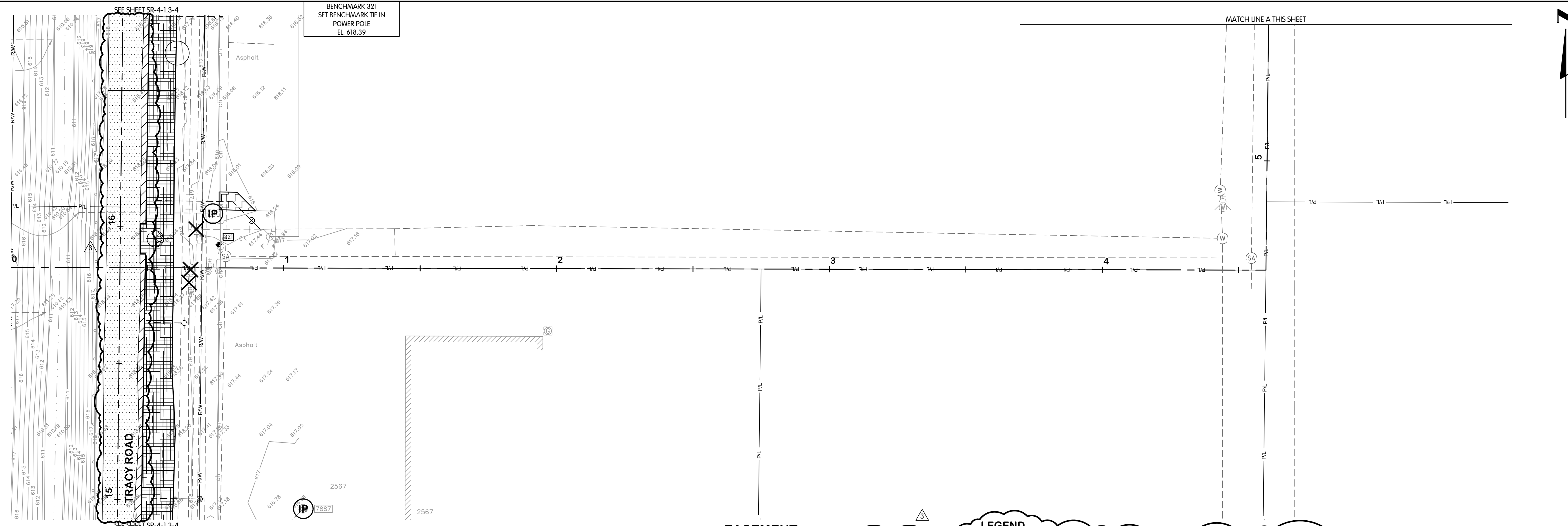
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JOB NO.	796-8149.001
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THIS SCALE IS 1" WHEN PLOTTED TO NOTED SCALE	
DESIGNED	EAF
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STATUS	ISSUED FOR BID
DATE	NOVEMBER 2024

SHEET NO.
SR-4-2.1-2
106 OF 116

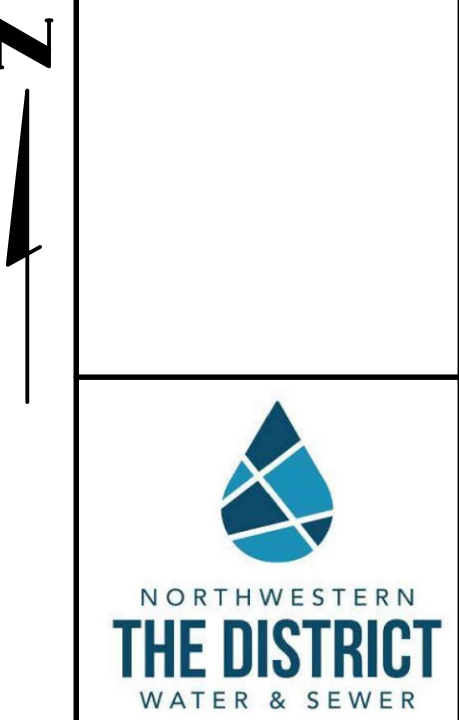
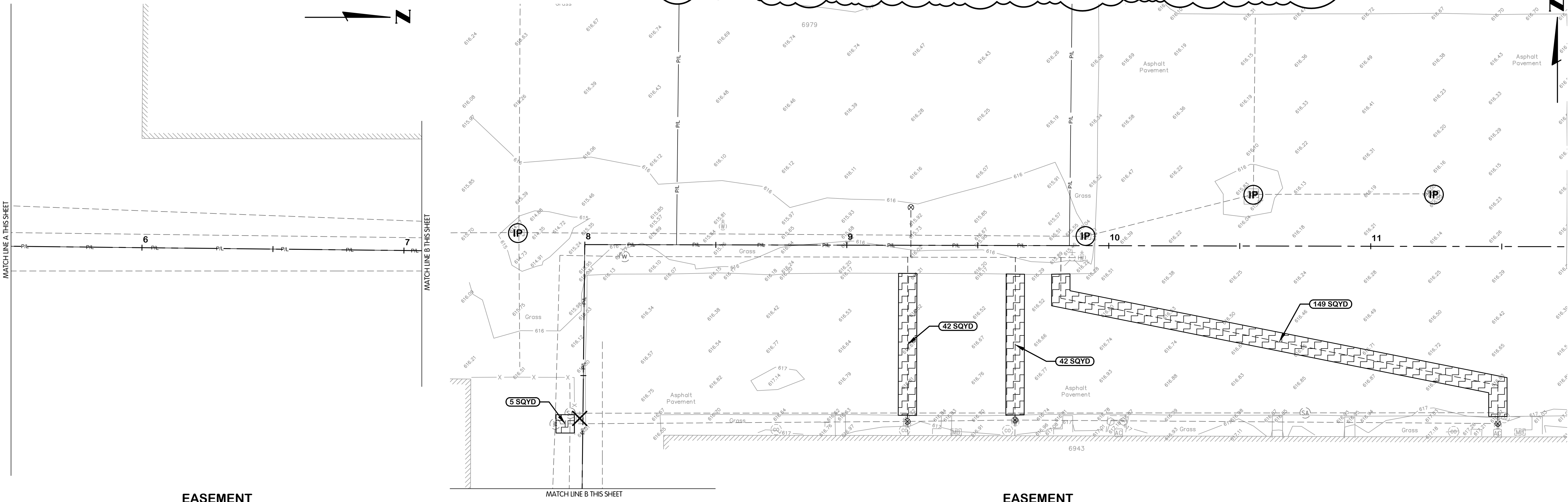
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12/09/2024 10:15 AM - JHARRISON
12/09/2024 10:22 AM



NOTES:
1. THE LIMITS SHOWN ARE INTENDED TO CORRESPOND TO THE PAY LIMITS DEFINED IN SECTION 01010 UNLESS EXPANDED TO INCLUDE AREAS PLANNED TO BE DAMAGED BY THE WORK.
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EASEMENT LEGEND

INLET PROTECTION, SEE DETAIL ON SHEET SR-0.4	ASPHALT PAVEMENT REPAIR - HEAVY ROADWAY, SEE DETAIL ON SHEET SR-0.1	ALTERNATE ASPHALT PAVEMENT - PLANING AND RESURFACING, SEE DETAIL ON SHEET SR-0.1	6-INCH CONCRETE SIDEWALK, SEE DETAIL ON SHEET SR-0.2
CURB AND GUTTER, SEE DETAILS ON SHEET SR-0.1, SEE NOTE 2	ASPHALT DRIVE REPAIR, SEE DETAIL ON SHEET SR-0.1	GRAVEL DRIVE AND BERM REPAIR, SEE DETAIL ON SHEET SR-0.1	ASPHALT PAVEMENT REPAIR - RESIDENTIAL ROADWAY, SEE DETAIL ON SHEET SR-0.1
SILT FENCE, SEE DETAIL ON SHEET SR-0.4	ASPHALT PAVEMENT - PLANING AND RESURFACING, SEE DETAIL ON SHEET SR-0.1	6-INCH CONCRETE DRIVE REPAIR, SEE DETAIL ON SHEET SR-0.1	4-INCH CONCRETE SIDEWALK, SEE DETAIL ON SHEET SR-0.1



EASEMENT
SURFACE RESTORATION
PLANS
STA. 0+00 TO 11+00
NORTHWESTERN WATER & SEWER DISTRICT, OHIO
2025 NWS 100 AREA WATERLINE IMPROVEMENTS WL-100E

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	EAF	BY
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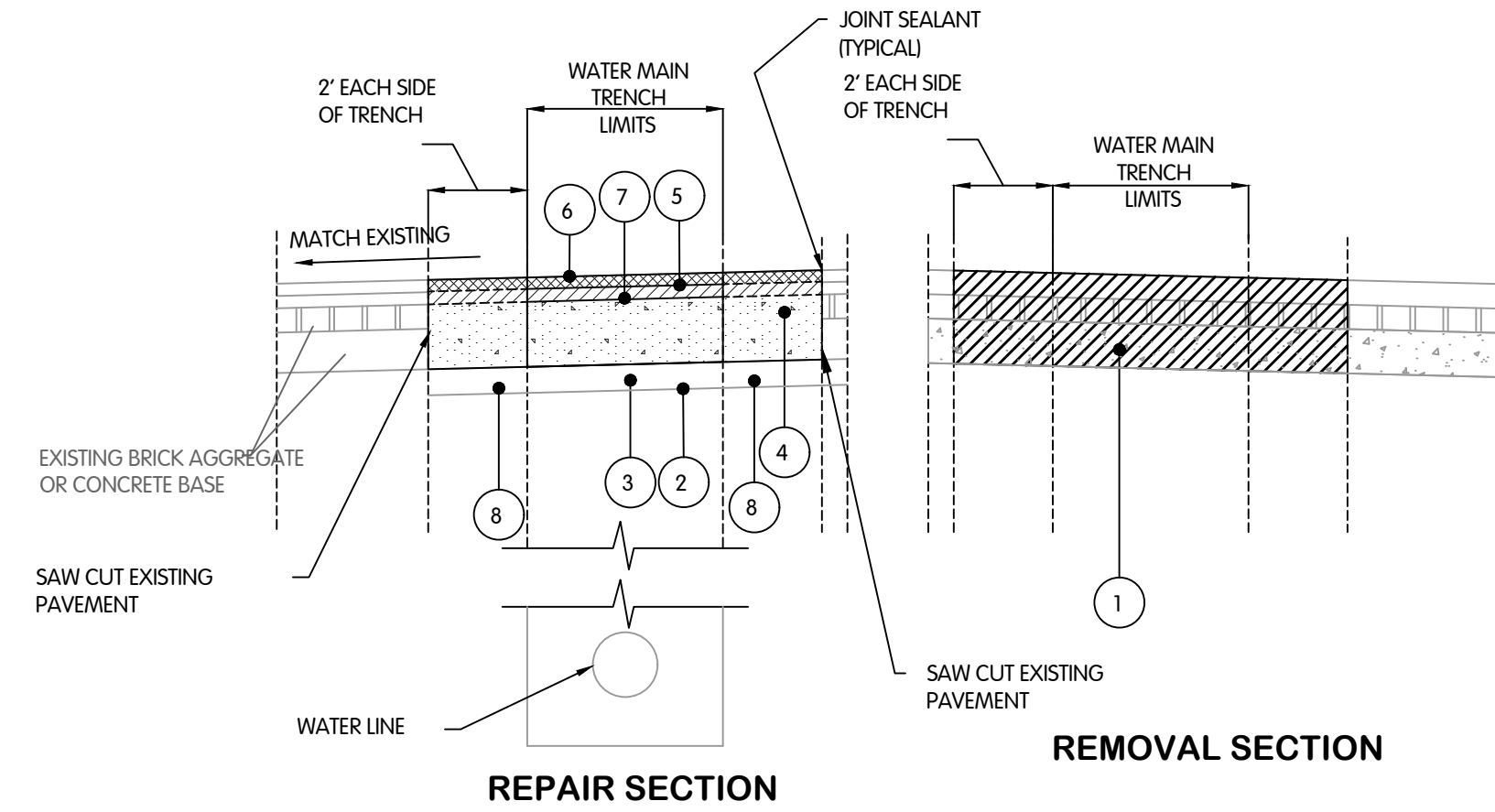
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JOB NO. 796-8149.001
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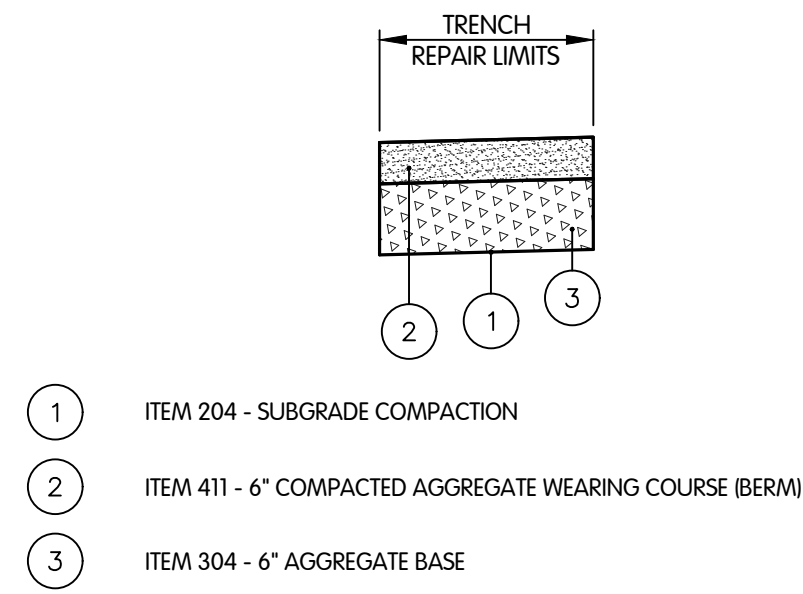
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DATE: NOVEMBER 2024
SHEET NO. SR-4-4.1-2
108 OF 116



PAVEMENT TRENCH REPAIR TYPICAL SECTIONS (FLEXIBLE PAVEMENT) - TRACY ROAD

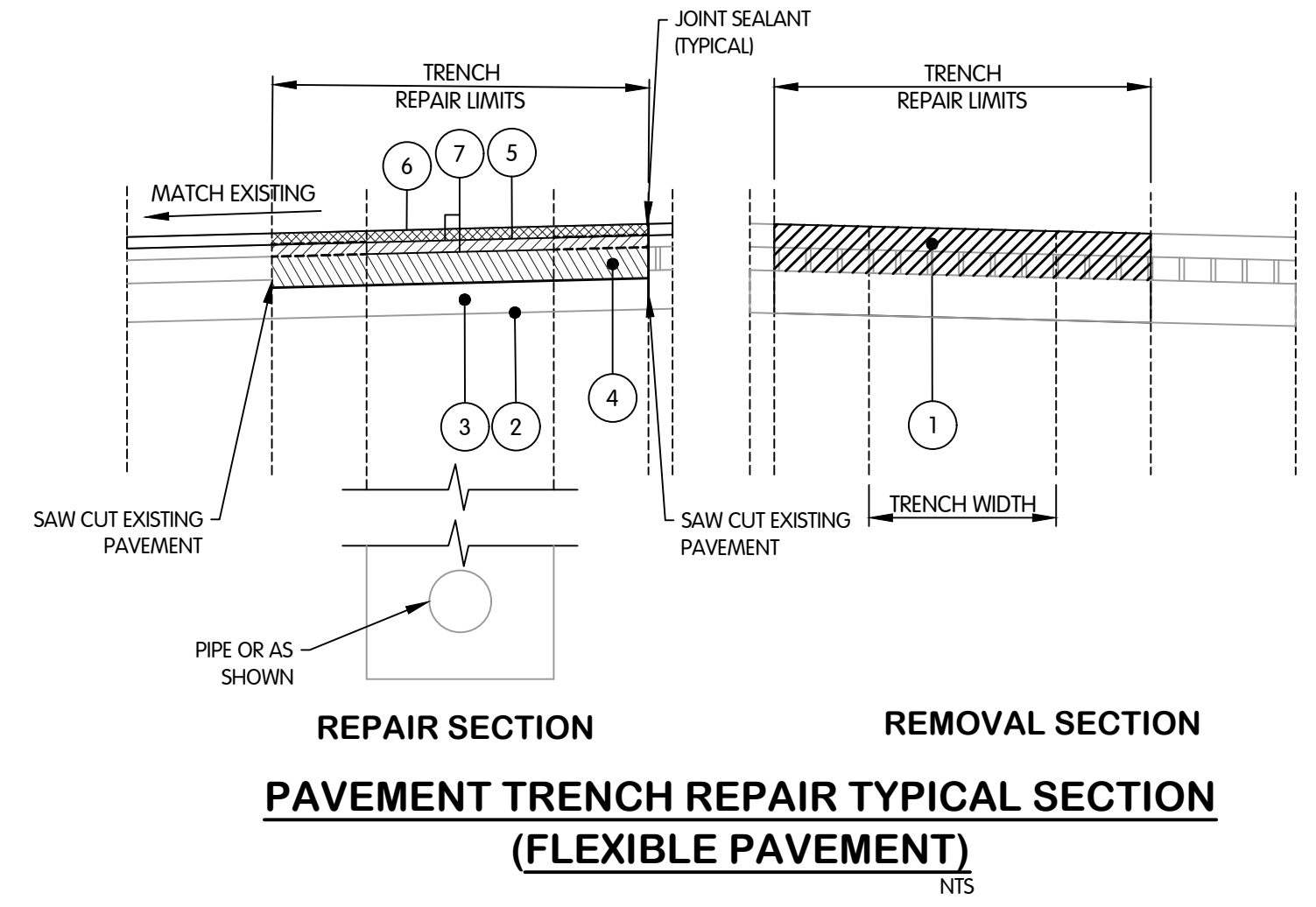
- 1 ITEM 202 - PAVEMENT AND BASE REMOVED (18" MAX) ADDITIONAL PAVEMENT AND BASE REMOVAL DEPTH TO BE INCLUDED IN THE COST OF THE WATERMAIN.
- 2 ITEM 204 - SUBGRADE COMPACTION
- 3 ITEM 304 - AGGREGATE BASE (6" MIN)
- 4 ITEM 301 - ASPHALT CONCRETE CASE
- 5 ITEM 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (2") (449)
- 6 ITEM 442 ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (2") (449) [SEE PAVEMENT PLANING TYPICAL SECTION] - TO BE INSTALLED FOLLOWING PAVEMENT PLANING
- 7 ITEM 407 TACK COAT - 0.050 GAL/SY. USE RUBBERIZED ASPHALT EMULSION IN ACCORDANCE WITH 703.12 BETWEEN ASPHALT AND CONCRETE SURFACES. (TRENCH AREAS ONLY)
- 8 ITEM 304 - AGGREGATE BASE (6" MINIMUM)

NOTES:
 1. THE PAVEMENT SECTION SHALL BE DEFINED AS THE PAVEMENT AND AGGREGATE BASE THICKNESS SHOWN IN THESE TYPICAL SECTIONS FOR THE PURPOSE OF BID ITEM DIVISIONS (PIPE AND PAVEMENT)



GRAVEL ROAD DRIVEWAY AND BERM REPAIR SECTION
NTS

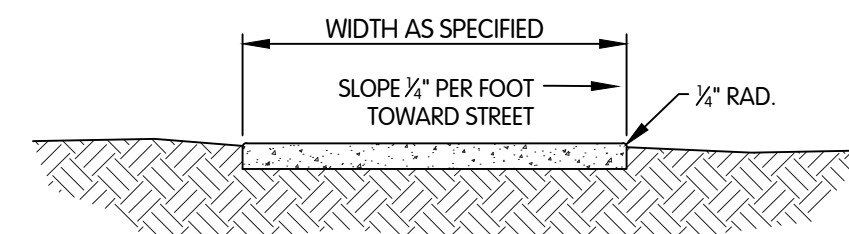
- 1 ITEM 204 - SUBGRADE COMPACTION
- 2 ITEM 411 - 6" COMPACTED AGGREGATE WEARING COURSE (BERM)
- 3 ITEM 304 - 6" AGGREGATE BASE



PAVEMENT TRENCH REPAIR TYPICAL SECTION (FLEXIBLE PAVEMENT)
NTS

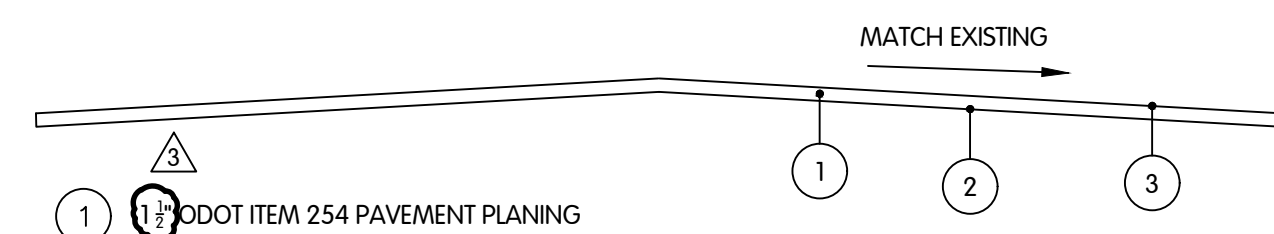
- 1 ITEM 202 - PAVEMENT AND BASE REMOVED (12" MAX) ADDITIONAL PAVEMENT AND BASE REMOVAL DEPTH TO BE INCLUDED IN THE COST OF THE PIPE.
- 2 ITEM 204 - SUBGRADE COMPACTION
- 3 ITEM 304 - AGGREGATE BASE (12")
- 4 ITEM 301 ASPHALT CONCRETE BASE (1") - FOR HEAVY ROADWAY NOT REQUIRED FOR RESIDENTIAL ROADWAY
- 5 ITEM 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
- 6 ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449) [SEE PAVEMENT PLANING TYPICAL SECTION]
- 7 ITEM 407 TACK COAT - 0.050 GAL/SY. USE RUBBERIZED ASPHALT EMULSION IN ACCORDANCE WITH 703.12 BETWEEN ASPHALT AND CONCRETE SURFACES. (TRENCH AREAS ONLY)

NOTE:
 THE PAVEMENT SECTION SHALL BE DEFINED AS THE PAVEMENT AND AGGREGATE BASE THICKNESS SHOWN IN THESE TYPICAL SECTIONS FOR THE PURPOSE OF BID ITEM DIVISIONS (PIPE AND PAVEMENT)



4" CONCRETE SIDEWALK
NTS

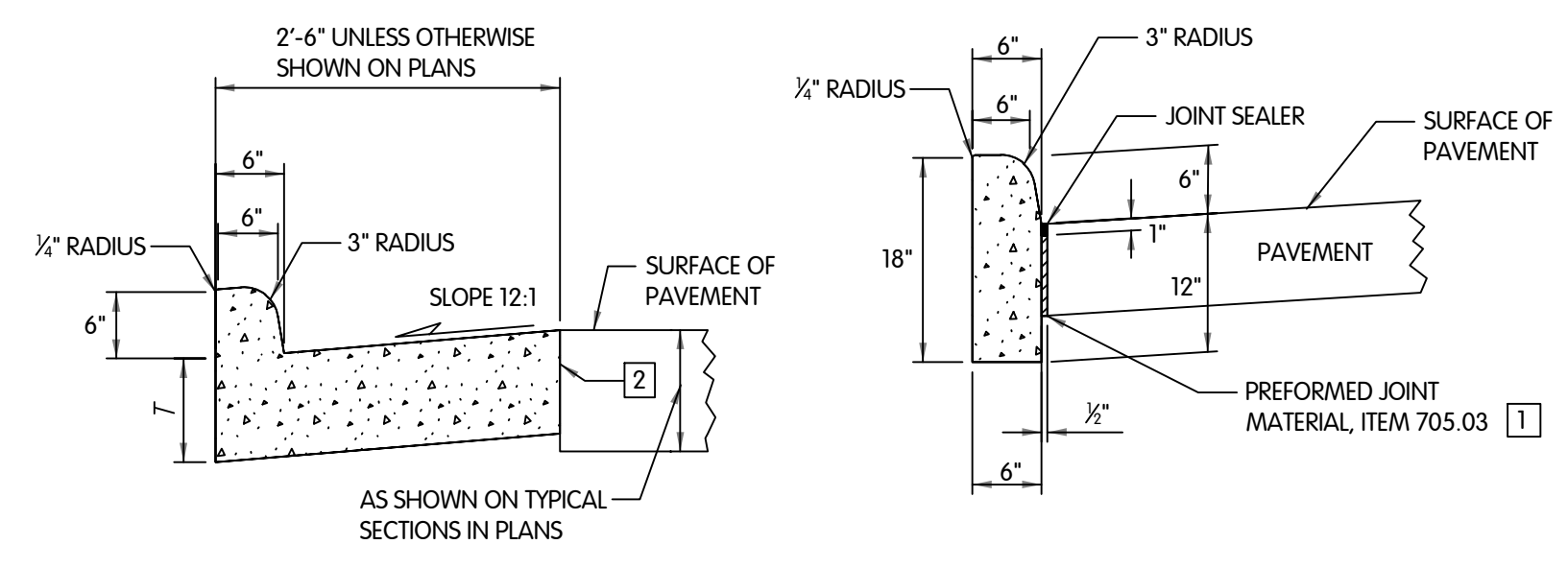
NOTES:
 1. ALL CONCRETE SIDEWALKS SHALL BE PLACED ON 4" ODOT ITEM 304.



PAVEMENT PLANING TYPICAL SECTION
NTS

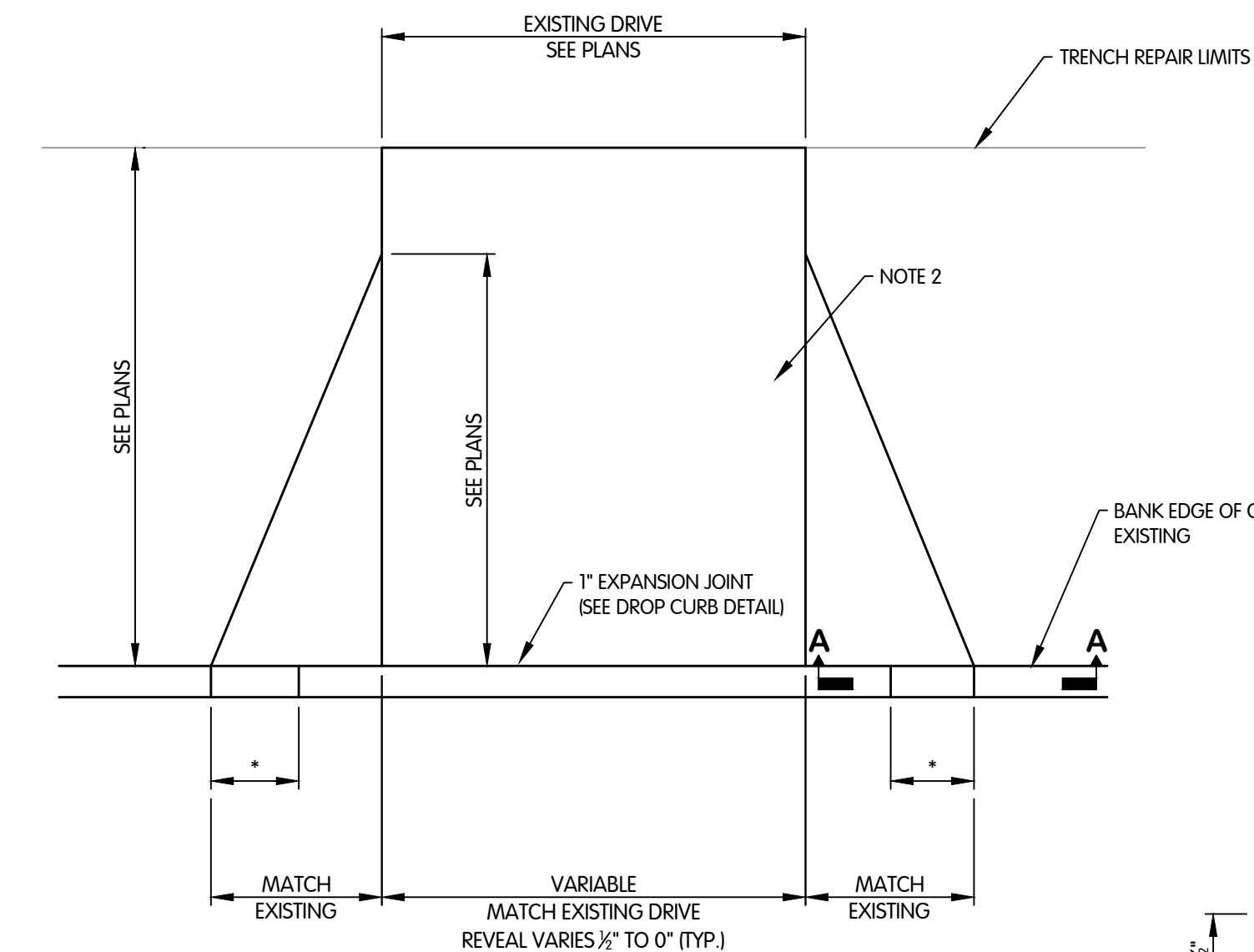
- 1 1 1/2" ODOT ITEM 254 PAVEMENT PLANING
- 2 0.09 GAL/SY ODOT ITEM 407 TACK COAT
- 3 1/4" ODOT ITEM 441 SURFACE COURSE TYPE 1 P6-64-22 (448)

NOTES:
 1. AREAS MARKED FOR PAVEMENT PLANING ARE INTENDED TO BE RESURFACED TO MATCH EXISTING GRADES.



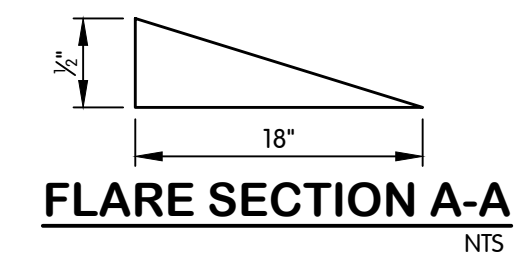
ODOT CURB TYPE DETAILS
NTS

- EXPANSION JOINT MATERIAL AND JOINT SEALER ARE NOT REQUIRED FOR THE PORTION OF THE CURB THAT IS ADJACENT TO A FLEXIBLE PAVEMENT TYPE. BOTH MATERIALS ARE REQUIRED, AS DETAILED, FOR THE FULL HEIGHT OF RIGID PAVEMENT AND CONCRETE BASES.
- BUTT JOINTS SHALL BE PROVIDED BETWEEN COMBINE CURB-AND-GUTTER AND NEW OR EXISTING RIGID PAVEMENTS, WITH TIE BARS OR HOOK BOLTS PROVIDED AT INTERVALS OF 5'. SEE SCD BP-2.1 FOR DETAILS OF TIE BARS AND HOOK BOLTS.
 IF THE COMBINED CURB-AND-GUTTER ADJOINS A NEW RIGID BASE OR AN EXISTING RIGID BASE OR PAVEMENT THAT IS TO BE SURFACED WITH ASPHALT CONCRETE, A BUTT JOINT SHALL ALSO BE PROVIDED. HOWEVER, TIE BARS OR HOOK BOLTS SHALL BE OMITTED WHEN THE VERTICAL OVERLAP (TV) IN DETAIL BELOW) BETWEEN THE CURB-AND-GUTTER AND RIGID PAVEMENT IS LESS THAN 7".



DRIVEWAY APPROACH DETAIL
NTS

- NOTES:
 1. ALL DRIVES SHALL BE PLACED ON 6" ODOT ITEM 304.
 2. CONCRETE DRIVEWAY AND APPROACH SHALL BE 6" ODOT ITEM 452 FOR RESIDENTIAL DRIVEWAYS AND 10" ODOT ITEM 452 FOR INDUSTRIAL DRIVEWAYS. ASPHALT DRIVEWAYS SHALL MATCH EXISTING THICKNESS WITH MINIMUM THICKNESS TO BE 1/2" ODOT ITEM 441 SURFACE COURSE TYPE 1 (449), 1/2" ODOT ITEM 441 INTERMEDIATE COURSE TYPE 2 (449).



FLARE SECTION A-A
NTS

UNIT PRICE BID

Bidder acknowledges that (1) each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and (2) estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

ITEM NO.	ITEM DESCRIPTION	ESTIMATED AMOUNT	UNIT	UNIT PRICE IN NUMBERS		UNIT PRICE IN WORDS	MATERIAL UNIT PRICE IN NUMBERS		LABOR UNIT PRICE IN NUMBERS		TOTAL ESTIMATED COST OF ITEM IN WORDS	TOTAL ESTIMATED COST OF ITEM	
1	Mobilization and Demobilization	1	LS										
2a	4-inch Water Main, Type B	40	LF										
2b	4-inch Water Main, Type C	10	LF										
2c	6-inch Water Main, Type B	100	LF										
2d	6-inch Water Main, Type C	10	LF										
2e	8-inch Water Main, Type B	5100	LF										
2f	8-inch Water Main, Type C	400	LF										
2g	8-inch Water Main, Trenchless	100	LF										
2h	10-inch Water Main, Type B	1084	LF										
2i	10-inch Water Main, Type C	290	LF										
2j	12-inch Water Main, Type B	1810	LF										
2k	12-inch Water Main, Type C	4100	LF										
2l	12-inch Water Main, Trenchless	5260	LF										
2m	16-inch Water Main, Type B	2290	LF										
2n	16-inch Water Main, Type C	3234	LF										
2o	16-inch Water Main, Trenchless	232	LF										
2p	16-inch Water Main in 30-inch Bored Casing	250	LF										
2q	20-inch Water Main, Type B	20	LF										
2r	Connection to Existing Water Mains 12-inch and Smaller (Without Tapping)	18	EA										
2s	Connection to Existing Water Mains Larger than 12-inch (Without Tapping)	6	EA										
2t	Existing Water Main Plugged	38	EA										
2u	Water Main Termination and Abandonment	22	EA										

ITEM NO.	ITEM DESCRIPTION	ESTIMATED AMOUNT	UNIT	UNIT PRICE IN NUMBERS		UNIT PRICE IN WORDS		MATERIAL UNIT PRICE IN NUMBERS		LABOR UNIT PRICE IN NUMBERS		TOTAL ESTIMATED COST OF ITEM IN WORDS		TOTAL ESTIMATED COST OF ITEM	
3a	6-inch Gate Valve and Box	2	EA												
3b	8-inch Gate Valve and Box	19	EA												
3c	10-inch Gate Valve and Box	3	EA												
3d	12-inch Gate Valve and Manhole	17	EA												
3e	16-inch Butterfly Valve and Manhole	6	EA												
3f	10-inch by 8-inch Tapping Sleeve, Valve and Box	1	EA												
3g	16-inch Tapping Valve and Box	1	EA												
3h	24-inch by 12-inch Tapping Sleeve, Valve and Box	1	EA												
3i	Valve Box	1	EA												
3j	Valve Box Abandoned	8	EA												
3k	Valve Box Removed	1	EA												
3l	Valve Manhole Abandoned	27	EA												
3m	Valve Manhole Removed	8	EA												
4a	Fire Hydrant Assembly, Type A	29	EA												
4b	Fire Hydrant Assembly, Type B	38	EA												
4c	Fire Hydrant Assembly, Type C	1	EA												
4d	Fire Hydrant Assembly, Type SC	5	EA												
4e	Fire Hydrant Assembly Removed	46	EA												
5a	Water Service (Less than 2-inch diameter)	1701	LF												
5b	Water Service (2-inch diameter and greater)	20	LF												
5c	Trenchless Water Service (Less than 2-inch diameter)	3892	LF												
5d	Water Service Connection Reinstated (Less than 2-inch diameter)	180	EA												

ITEM NO.	ITEM DESCRIPTION	ESTIMATED AMOUNT	UNIT	UNIT PRICE IN NUMBERS		UNIT PRICE IN WORDS	MATERIAL UNIT PRICE IN NUMBERS		LABOR UNIT PRICE IN NUMBERS		TOTAL ESTIMATED COST OF ITEM IN WORDS	TOTAL ESTIMATED COST OF ITEM	
5e	Water Service Connection Reinstated (2-inch diameter and greater)	4	EA										
5f	Water Meter Pit Installation	180	EA										
6a	Flexible Pavement Trench Repair - Heavy Roadway	5779	SY										
6b	Flexible Pavement Trench Repair - Residential Roadway	282	SY										
6c	Flexible Pavement Trench Repair - Driveway	454	SY										
6d	Temporary Pavement Repair	6479	SY										
6e	ODOT Item 411 Stabilized Crushed Aggregate (Berm and Drive)	273	SY										
6f	Flexible Pavement Planing and Resurfacing	4976	SY										
7a	6-inch ODOT Item 452 Non-Reinforced Concrete Pavement, Class MS (Residential Drive Approach)	466	SY										
7b	4-inch Concrete Sidewalk	8508	SF										
7c	6-inch Concrete Sidewalk and Curb Ramp with Detectable Warning Surface	353	SF										
8a	Concrete Curb	30	LF										
8b	Concrete Curb and Gutter	231	LF										
9	Remove and Replace Catch Basin	11	EA										
10a	Sewer Repair (Less than or equal to 10-inch diameter)	120	LF										
10b	Sewer Repair (12-inch diameter to 18-inch diameter)	120	LF										
10c	Sewer Repair (21-inch diameter and larger)	55	LF										
10d	New Cleanout on Lateral (Non-Paved Area)	1	EA										
11	Video Recording of the Zone of Influence	1	LS										
12	CCTV Inspections of Sewers	1402	LF										
13	Maintenance of Traffic	1	LS										

ITEM NO.	ITEM DESCRIPTION	ESTIMATED AMOUNT	UNIT	UNIT PRICE IN NUMBERS		UNIT PRICE IN WORDS	MATERIAL UNIT PRICE IN NUMBERS		LABOR UNIT PRICE IN NUMBERS		TOTAL ESTIMATED COST OF ITEM IN WORDS	TOTAL ESTIMATED COST OF ITEM	
14	Storm Water Pollution Prevention	1	LS										
15	Clearing and Grubbing	1	LS										
16	East Broadway Blow-off Manhole Access	1	LS										
17a	Remove and Replace Sign	10	EA										
17b	Remove and Replace Mailbox	20	EA										
18	Remove Existing Water Main	229	LF										
19	Remove and Replace Fence	370	EA										
Allowance	Utility Pole Holding	1	LS	\$5,000.00		Five thousand dollars and zero cents					Five thousand dollars and zero cents	\$5,000.00	
Allowance	Railroad Liability Insurance	1	LS	\$10,000.00		Ten thousand dollars and zero cents					Ten thousand dollars and zero cents	\$10,000.00	
Total Estimated Base Bid Construction Cost:													
6f-alt	Flexible Pavement Planing and Resurfacing	7705	SY										
Total Estimated Base Bid + Alternate Bid Construction Cost:													

Disadvantaged Business Enterprises (DBE) Utilization

(Required Contract Provision)

USEPA has a program to encourage the participation of disadvantaged businesses in the construction activities funded by the Clean Water and Drinking Water SRF's. "DBE" is an all inclusive term that includes Minority Business Enterprises (MBE), Women Business Enterprises (WBE), Small Business Enterprises (SBE), Small Business in Rural Areas (SBRA), HUBZone Small Business, Labor Surplus Area Firms (LSAF), and other entities defined as socially and/or economically disadvantaged. While the WPCLF and WSRLA strongly encourage participation by all disadvantaged groups, specific participation goals are negotiated with USEPA only for Minority Business Enterprises and Women's Business Enterprises.

Goals

As a condition of receiving capitalization grants from U.S. EPA for the Water Pollution Control Loan Fund (WPCLF) and the Water Supply Revolving Loan Account (WSRLA), the Ohio EPA negotiates "fair share" Disadvantaged Business Enterprises (DBE) objectives with U.S. EPA. The current negotiated goals for construction related activities are 1.3% of all contracts to MBEs and 1.0% of all contracts to WBEs.

DBE Certification

Under the DBE program, qualified DBE's are those that have been certified as an MBE or WBE. Certifications can be obtained from a federal agency such as the Small Business Administration or the Department of Transportation or by an approved State agency. The Unified Certification Program (UCP) administered by the Ohio Department of Transportation (ODOT) can provide the necessary DBE certifications. Information on the UCP can be found at www.ohioucp.org as well as the ODOT website www.dot.state.oh.us/divisions/equalopportunity/pages/dbe.aspx.

DBE Qualifications

To qualify for MBE certification, businesses must be 51 percent owned and controlled by a U.S. citizen and Ohio resident belonging to an African American, Native American, Hispanic, or Asian American ethnic group. In addition, the business must be in operation for at least one year prior to submitting an application. For DBE status, a business must be at least 51 percent owned by a socially and economically disadvantaged person who participates in the daily operations of the business. This person must be a woman or of African-American, Hispanic, Native American, Asian American ethnicity.

Program Requirements

To comply with DBE program requirements the WPCLF/WSRLA loan recipient must do the following:

1. Create and maintain a bidder's list (see description below)

2. Include contract conditions applicable to the DBE program in all procurement contracts entered into by the Borrower for all WPCLF and WSRLA projects. These conditions are listed below.
3. Follow, document, and maintain documentation of good faith efforts on the part of prime contractors to ensure that Disadvantaged Business Enterprises (DBEs) have the opportunity to participate in the project.
4. Review the Form 6100-3 and 6100-4 submittals provided by bidders on the project for completeness and obtain any additional information necessary to verify the certification status of all proposed subcontractors.
5. Obtain documentation of the good faith efforts of the prime contractor if the prime contractor does not meet the MBE or WBE goal.
6. Obtain a written confirmation from any prime contractor states that they will not meet the MBE and WBE goals because they will not be entering into any agreements for goods or services with any company, firm, joint venture, or individual.
7. Submit the following to the Ohio EPA/DEFA as part of the bid package upon which the WPCLF/WSRLA loan amount is determined:
 - Form 6100-3 from each subcontractor
 - Form 6100-4 from each prime contractor
 - a copy of the Good Faith Efforts documentation from any prime contractors that will not meet the MBE and WBE goals,
 - if any of the prime contractors will not meet the MBE and WBE goals because they will not be entering into any agreements for goods or services with any company, firm, joint venture, or individual, a copy of the written confirmation from that prime contractor
8. Report MBE/WBE accomplishments on Form 5700-52A annually (within 15 days after October 1st).

NOTE: It is up to the WPCLF/WSRLA loan recipient whether or not to require completion and submission of Forms 6100-3 and 6100-4 from all bidders with the bid proposal or to accept completion and submission from the successful bidder(s) only at some time after bids are received. Regardless of whether the forms are completed and submitted with the bids or at some later time once the successful bidders are identified, completed forms are to be submitted to Ohio EPA with the bid package.

To comply with DBE program requirements all prime contractors must do the following:

1. Follow, document, and maintain documentation of their good faith efforts.
2. Complete and submit **Form 6100-4 DBE Subcontractor Utilization Summary** as part of the bid proposal package to the loan recipient.
3. Have its Disadvantaged Business Enterprise subcontractors complete **Form 6100-3 DBE Subcontractor Proposed Performance Form** and submit those as part of the bid proposal package to the loan recipient.
4. Provide **Form 6100-2 DBE Subcontractor Actual Participation Form** to all of its Disadvantaged Business Enterprise subcontractors for completion at the end of the work.
5. During construction, provide the data necessary so that the loan recipient can report MBE/WBE accomplishments on Form 5700-52A annually (within 15 days after October 1st).

Bidders List

The Borrower must create, maintain, and use a bidders list for purposes of soliciting both MBE/WBEs and non-MBE/WBEs during procurement of construction, equipment, supplies, and services. This list shall include:

1. Entity's name with point of contact;
2. Entity's mailing address, telephone number, and e-mail address;
3. The procurement on which the entity bid or quoted, and when; and
4. Entity's status as an MBE/WBE or non-MBE/WBE.

Borrowers that receive less than \$250,000 or less in any one fiscal year can be exempt from maintaining a Bidders List.

The Bidders List shall be maintained until the project period has expired and the Borrower is no longer receiving EPA funding. The Bidders List must include all firms that bid on the prime contracts, or bid or gave a quote on subcontracts, including both MBE/WBEs and non-MBE/WBEs.

Required Contract Conditions

The DBE Specification language and instructions to the bidders and Forms 6100-2, 6100-3 and 6100-4 must be included in the contract documents and referenced in the Instructions to Bidders, informing bidders that the forms must be completed and submitted with their bid for all WPCLF and WSRLA projects:

1. The prime contractor must pay its subcontractor for satisfactory performance no more than 30 days from the prime contractor's receipt of payment from the owner.
2. The prime contractor must notify the owner in writing prior to the termination of any Disadvantage Business Enterprise subcontractor for convenience by the prime contractor.
3. If a Disadvantage Business Enterprise contractor fails to complete work under the subcontract for any reason, the prime contractor must employ the six Good Faith Efforts (listed below) if soliciting a replacement contractor.
4. The prime contractor must employ the six Good Faith Efforts even if the prime contractor has achieved its fair share objectives.
5. An owner must ensure that each procurement contract it awards contains the following terms and conditions:

The contractor shall not discriminate on the basis of race, color, national origin or sex in the performance of this contract. The contractor shall carry out applicable requirements of 40 CFR Part 33 in the award and administration of contracts awarded under EPA financial assistance agreements. Failure by the contractor to carry out these requirements is a material breach of this contract which may result in the termination of this contract or other legally available remedies.

Good Faith Efforts

Borrowers and their prime contractors must follow, document, and maintain documentation of their good faith efforts as listed below to ensure that Disadvantaged Business Enterprises (DBEs) have the opportunity to participate in the project by increasing DBE awareness of procurement efforts and outreach.

1. Ensure DBEs are made aware of contracting opportunities to the fullest extent practicable through outreach and recruitment activities; including DBEs on solicitation lists and soliciting them whenever they are potential sources.
2. Make information on forthcoming opportunities available to DBEs and arrange time frames for contracts and establish delivery schedules, where the requirements permit, in a way that encourages and facilitates participation by DBEs in the competitive process. This includes, whenever possible, posting solicitation for bids or proposals for a minimum of 30 calendar days before the bid or proposal closing date.
3. Consider in the contracting process whether firms competing for large contracts could be subcontracted with DBEs. This will include dividing total requirements when economically feasible into smaller tasks or quantities to permit participation by DBEs in the competitive process.
4. Encourage contracting with a consortium of DBEs when a contract is too large for one of these firms to handle individually.
5. Use the services and assistance of the Small Business Administration and the Minority Business Development Agency of the U.S. Department of Commerce.
6. If the prime contractor awards subcontracts, require the prime contractor to take the steps in numbers 1 through 5 above.

DBE Forms

Form 6100-3 – Each prime contractor must have its DBE subcontractors complete **Form 6100-3 DBE Subcontractor Proposed Performance Form**. This form gives the DBE subcontractor the opportunity to report the scope and cost of the subcontract and it should be forwarded to the Prime Contractor along with the DBE's quote. Each subcontractor completes one Form 6100-3. The Borrower must submit all Form 6100-3 forms to the Ohio EPA/DEFA as part of the bid package upon which the WPCLF/WSRLA loan amount is determined.

Form 6100-4 – Each prime contractor must complete and submit **Form 6100-4 DBE Subcontractor Utilization Summary** as part of the prime contractor's bid proposal package to the Borrower. This form summarizes the Prime Contractor's intended use of identified DBE(s) and the estimated dollar amount of each subcontract. Only one Form 6100-4 form is required from each Prime Contractor. The Borrower must submit this form to the Ohio EPA/DEFA as part of the bid package upon which the WPCLF/WSRLA loan amount is determined.

Form 6100-2 - The prime contractor must provide **Form 6100-2 DBE Subcontractor Actual Participation Form** to all of its Disadvantaged Business Enterprise subcontractors.

This form gives the DBE subcontractor the opportunity to describe the work the DBE received from the Prime Contractor, how much the DBE was paid and any other concerns the DBE might have. Disadvantaged Business Enterprise subcontractors must send completed Form 6100-2 directly to the Region 5 DBE Coordinator after the work by the subcontractor is done and is NOT submitted with the bid package to Ohio EPA.

Region 5 MBE/WBE Coordinator
USEPA, Acquisition and Assistance Branch
77 West Jackson Boulevard (MC-10J)
Chicago, IL 60604

Reporting During Construction – Form 5700-52A

The purpose of MBE/WBE reporting is to monitor the grant recipient's accomplishments in utilizing MBEs and WBEs; and adherence to the good faith efforts (i.e., outreach to MBEs, WBEs, and other DBEs); and progress in achieving MBE and WBE Goals. During the progress of the construction project, the loan recipient must complete & submit Form 5700-52A annually (**within 15 days after October 1st**). If there were no MBEs or WBEs utilized, or no procurement expenditures of any kind were made during the reporting period, a "negative report" is still required.

Reports are to be sent to:

Florel Fraser, Ohio EPA – DEFA
P.O. Box 1049
Columbus, OH 43216-1049
E-mail address: Florel.Fraser@epa.ohio.gov
Phone: (614) 644-3636