



To: All Plan Holders of Record

From: Verdantas LLC
For the Owner

Re: *Addendum No. 1*
Parkwood Drive & Kerry Lane Waterline and Pavement Improvements
OPWC Funded Project No. CG44AC / CG45AC

City of Wickliffe

Date: September 9, 2025

This Addendum forms a part of the contract documents and modifies the original bidding documents dated August 2025 and all previous addenda, if any. Acknowledge receipt of this addendum in the space provided in the bid forms. Failure to do so may subject the bidder to disqualification.

BID DOCUMENTS

Replace Prices to Include, Page BD.27 with the enclosed Prices to Include, Pages BD.27A.

BID FORMS

Replace Bid Form, Pages BF.8 to BF.10, with the enclosed Bid Form, Pages BF.8A to BF.10A.

SPECIFICATIONS

Replace Specification Section 0111000 Summary of Work and Quantity Worksheets with the enclosed.

PLANS

Replace plan sheets 2, 6, 7, 8, 9, 10, and 14 with the enclosed plan sheets 2A, 6A, 7A, 8A, 9A, 10A, and 14A.

PJF:wll

Enclosures

Z:\Project Files\WA-XZ\Wickliffe\32252 - Parkwood Dr. & Kerry Ln. - Water & Pave\Working\Bid Documents\Addenda\Addendum 01\Addendum 01.Doc

2.35 WATER MAIN AND FITTINGS

The work, materials and methods of construction for ductile iron water main and fittings shall be in accordance with the current Lake County Department of Utilities Rules and Regulations, except as modified in these specifications and/or contract drawings. All pipe, including hydrant supply lines, shall be PVCO C909 with push-on joints except as noted on the plans. Fittings shall be mechanical joint with thrust blocking.

Method of Measurement

The measurement of ductile iron pipe water main of the size and class specified to be paid for shall be the horizontal projected length installed complete, tested and ready for service, including fittings as measured along the centerline of the pipe through fittings from center to center and through valves. No measurement will be made for hydrant supply lines; payment will be included with the hydrant assembly item. No measurement will be made for the required bedding or backfill; payment will be included in the unit price stipulated for water main.

Basis of Payment

The unit price bid shall be full compensation for earth and/or rock excavation for the pipe and foundation for same, including clearing and grubbing, removal and disposal of all materials necessary for placing the pipe, remove and/or transplant existing trees and shrubs as shown on plans, furnishing and placing specified bedding, tracer wire, snake pits, backfill and polywrap; sheeting and shoring to be left in place as shown on plans; furnishing, installing and operating necessary pumps, pipes and appurtenances necessary for flow bypassing and/or trench dewatering; furnishing and installing of the pipe, jointing material, plugs and clamps, tees, bends, thrust blocking, concrete; performing boring, free boring, testing and disinfection, protection of all other existing utilities including repair if damaged by the contractor; traffic control including furnishing and installing traffic compacted surface in sidewalk and driveways, Lake County inspection costs, and the furnishing of all labor, tools, materials and equipment necessary to complete the work as specified or as shown.

2.36 GATE VALVES, VALVE BOX, CUT-IN TEES, BLOW OFF ASSEMBLIES, TAPPING SLEEVES AND SPOOL PIECES

The work, method of construction and materials for, gate valves and valve boxes, cut-in tee and solid sleeves, blow off assemblies, and tapping sleeves with tapping valve and spool pieces shall be in accordance with the current Lake County Department of Utilities Rules and Regulations, except as modified in these specifications and/or contract drawings. All gate valves shall be mechanical joint. Long valves shall have square boxes; hydrant valves shall have round boxes.

Method of Measurement

The measurement of gate valve and box, cut-in tee and solid sleeve, blow off assemblies, and tapping sleeves with valve and box, spool pieces, of the sizes specified to be paid for shall be the actual number furnished and installed complete, tested, and ready for service. No measurement will be made for gate valves in fire hydrant assembly; payment will be included with the fire hydrant assembly.

Proposal to City of Wickliffe
For Parkwood Drive & Kerry Lane Waterline and Pavement Improvements

Project No. 0000032252

REF. NO.	DESCRIPTION	QTY.	MEASURE UNITS	UNIT PRICE LABOR	UNIT PRICE MATERIAL	TOTAL UNIT PRICE	ITEM TOTAL
1	PRECONSTRUCTION VIDEO DOCUMENTATION	1.00	LS	\$	\$	\$	\$
2	BONDS AND INSURANCES, AS PER PLAN	1.00	LS	\$	\$	\$	\$
3	TREE REMOVED, 18 INCH SIZE, AS PER PLAN	1.00	EACH	\$	\$	\$	\$
4	EXCAVATION OF SUBGRADE AND EMBANKMENT WITH GRANULAR MATERIAL, CCS, AS PER PLAN, CONTINGENCY, AS DIRECTED	30.00	CY	\$	\$	\$	\$
5	GEOTEXTILE FABRIC, AS PER PLAN	150.00	SY	\$	\$	\$	\$
6	PARTIAL DEPTH PAVEMENT JOINT REPAIR, AS PER PLAN	5.00	CY	\$	\$	\$	\$
7	TYPE "A" PAVEMENT REPLACEMENT (CONCRETE), ROADWAY, AS PER PLAN	30.00	SY	\$	\$	\$	\$
8	TYPE "B" PAVEMENT REPLACEMENT (ASPHALT OVER CONCRETE), ROADWAY, AS PER PLAN	8.00	SY	\$	\$	\$	\$
9	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN	2,954.00	SY	\$	\$	\$	\$
10	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC MS, AS PER PLAN	150.00	SY	\$	\$	\$	\$
11	8 INCH CONCRETE BASE, AS PER PLAN	266.00	SY	\$	\$	\$	\$
12	TACK COAT, TRACKLESS TACK	295.00	GAL	\$	\$	\$	\$
13	SPECIAL - ASPHALT PRESERVATIVE SEAL	2,954.00	SY	\$	\$	\$	\$
14	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22, AS PER PLAN	145.00	CY	\$	\$	\$	\$
15	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, AS PER PLAN	125.00	CY	\$	\$	\$	\$
16	SPECIAL - CONCRETE SEALING SURFACE TREATMENT, SINAK, AS PER PLAN	1,964.00	SY	\$	\$	\$	\$
17	SPECIAL - PAVEMENT REINFORCING FABRIC - FIBERGLASS/POLYESTER HYBRID (GlasPave 25), AS PER PLAN	2,954.00	SY	\$	\$	\$	\$
18	6 INCH NON-REINFORCED CONCRETE DRIVES AND APRONS, CLASS QC MS, INCL. FIBER REINFORCING, INCLUDING REMOVAL, AS PER PLAN	439.00	SY	\$	\$	\$	\$
19	6 INCH CONDUIT POINT REPAIR, AS PER PLAN	1.00	EACH	\$	\$	\$	\$
20	10 INCH CONDUIT POINT REPAIR, AS PER PLAN	1.00	EACH	\$	\$	\$	\$
21	6 INCH CONDUIT POINT REPAIR, ADDITIONAL FOOTAGE, CONTINGENCY, AS PER PLAN, AS DIRECTED	4.00	FT	\$	\$	\$	\$

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Project No. 0000032252

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22	10 INCH CONDUIT POINT REPAIR, ADDITIONAL FOOTAGE, CONTINGENCY, AS PER PLAN, AS DIRECTED	4.00	FT	\$	\$	\$	\$
23	CONDUIT POINT REPAIRS, LATERAL RECONNECTION, AS PER PLAN	1.00	EACH	\$	\$	\$	\$
24	4 INCH SHALLOW PIPE UNDERDRAIN WITH GEOTEXTILE FABRIC, AS PER PLAN	2,000.00	FT	\$	\$	\$	\$
25	4 INCH CONCRETE WALK INCLUDING FIBROUS REINFORCING, INCLUDING REMOVAL, AS PER PLAN	7,500.00	SF	\$	\$	\$	\$
26	CURB RAMP, AS PER PLAN - ADDITIONAL LABOR FOR FORMING/POURING AND TRUNCATED DOME PLATE - SF OF CONCRETE PAID SEPARATELY	6.00	EACH	\$	\$	\$	\$
27	6 INCH CURB RAMP, INCLUDING FIBROUS REINFORCING, INCLUDING REMOVAL, AS PER PLAN	300.00	SF	\$	\$	\$	\$
28	COMBINATION CURB AND GUTTER, TYPE 2, INCLUDING REMOVAL, AS PER PLAN	2,000.00	FT	\$	\$	\$	\$
29	CURB, TYPE 6, INCLUDING REMOVAL, AS PER PLAN	10.00	FT	\$	\$	\$	\$
30	12" STORM SEWER, AS PER PLAN	25.00	FT	\$	\$	\$	\$
31	CATCH BASIN WITH SUMP & TRAP, AS PER PLAN	1.00	EACH	\$	\$	\$	\$
32	CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	11.00	EACH	\$	\$	\$	\$
33	CATCH BASIN PARTIALLY RECONSTRUCTED TO GRADE, AS PER PLAN	5.00	VERT FT	\$	\$	\$	\$
34	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	11.00	EACH	\$	\$	\$	\$
35	MANHOLE PARTIALLY RECONSTRUCTED TO GRADE, AS PER PLAN	5.00	VERT FT	\$	\$	\$	\$
36	SPECIAL - GAS VALVE BOX ADJUSTED TO GRADE	1.00	EACH	\$	\$	\$	\$
37	SPECIAL - MISCELLANEOUS METAL	12,000.00	LB	\$	\$	\$	\$
38	MAINTAINING TRAFFIC, AS PER PLAN	1.00	LS	\$	\$	\$	\$
39	MONUMENT ASSEMBLY ADJUSTED TO GRADE, AS PER PLAN	3.00	EACH	\$	\$	\$	\$
40	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION, AS PER PLAN	4.00	EACH	\$	\$	\$	\$
41	ABANDON EXISTING WATER MAIN, AS PER PLAN	1.00	LS	\$	\$	\$	\$
42	CONNECT NEW WATER MAIN TO EXISTING WATER MAIN W/O TAPPING SLEEVE OR CUT-IN-TEE, AS PER PLAN	5.00	EACH	\$	\$	\$	\$

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REF. NO.	DESCRIPTION	QTY.	MEASURE UNITS	UNIT PRICE LABOR	UNIT PRICE MATERIAL	TOTAL UNIT PRICE	ITEM TOTAL
43	8 INCH WATER MAIN POLYVINYL CHLORIDE PIPE AND FITTINGS, AWWA C909 PVC0, AS PER PLAN	1,049.00	FT	\$	\$	\$	\$
44	1 INCH COPPER SERVICE BRANCH (LONG), OPEN CUT OR PUSHED, DRILLED, OR BORED, AS PER PLAN	12.00	EACH	\$	\$	\$	\$
45	1 INCH COPPER SERVICE BRANCH (SHORT), OPEN CUT OR PUSHED, DRILLED, OR BORED, AS PER PLAN	14.00	EACH	\$	\$	\$	\$
46	LEAD WATER SERVICE REPLACEMENT, FROM CURB BOX/METER TO HOUSE VALVE/METER, AS DIRECTED	150.00	FT	\$	\$	\$	\$
47	6 INCH FIRE HYDRANT ASSEMBLY, INCLUDING 6 INCH VALVE AND VALVE BOX, TYPE B, AS PER PLAN	2.00	EACH	\$	\$	\$	\$
48	6 INCH FIRE HYDRANT ASSEMBLY, INCLUDING 6 INCH VALVE AND VALVE BOX, TYPE C, AS PER PLAN	2.00	EACH	\$	\$	\$	\$
49	FIRE HYDRANT & VALVE BOX REMOVED AND DISPOSED, AS PER PLAN	4.00	EACH	\$	\$	\$	\$
50	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	1.00	EACH	\$	\$	\$	\$
51	8 INCH GATE VALVE WITH VALVE BOX	9.00	EACH	\$	\$	\$	\$
52	METER AND BOX RELOCATED	1.00	EACH	\$	\$	\$	\$
53	STOP LINE	42.00	FT	\$	\$	\$	\$
54	CROSSWALK LINE	438.00	FT	\$	\$	\$	\$
55	LAWN RESTORATION INCL. LINEAL GRADING & TOPSOIL, AS PER PLAN	1.00	LS	\$	\$	\$	\$
56	SPECIAL - VOID REDUCING ASPHALT MEMBRANE (VRAM)	1,038.00	FOOT	\$	\$	\$	\$
57	TEMPORARY SEDIMENT AND EROSION CONTROL, AS PER PLAN	1.00	LS	\$	\$	\$	\$
58	CONTINGENCY/DISCRETIONARY ALLOWANCE	1.00	LS	\$ -----	\$ -----	\$ 100,000.00	\$ 100,000.00
INFORMAL TOTAL BID				\$			

SECTION 011100 - SUMMARY OF WORK

PART 1 - GENERAL

1.1 LOCATION OF THE PROJECT

- A. The project is located in the City of Wickliffe along Parkwood Drive between the West Corporation Line and Arthur Avenue and along Kerry Lane from Empire Road to its eastern end.

1.2 PROJECT DESCRIPTION

- A. The project consists of an 8-inch water main replacement and asphalt pavement resurfacing on both Parkwood Drive and Kerry Lane. Apron/sidewalk and concrete curb and gutter replacement and miscellaneous base repairs is also included.

1.3 SPECIFICATIONS

- A. In general, these Specifications describe the work to be performed by the various trades, other than work specifically excluded. It shall be the responsibility of Contractors and Subcontractors to perform all work incidental to their trade, whether or not specific mention is made of each item, unless such incidentals are included under another Item.
- B. It is advised that all Contractors and Subcontractors familiarize themselves with the contents of the complete Specifications, particularly for the trades preceding, following, related or adjacent to their work.

1.4 DRAWING SCHEDULE

- A. The work to be done under this Contract is shown on the following Drawings:

<u>Title</u>	<u>Sheet No.</u>
Cover Sheet	1
General Notes	2
Maintenance of Traffic	3
Survey Control	4-5
Plan and Profile	6-8
Intersection Profiles	9-10
Typical Section	11
Details	12-18

1.5 QUANTITY WORKSHEET

- A. Attached is a listing of the estimated quantities used for this project.

END OF SECTION 011100

CITY OF WICKLIFFE Parkwood / Kerry ESTIMATED QUANTITIES - Addendum 1	LENGTH, FT.:	Kerry	Parkwood	Parkwood	
	APPROX. WIL	323	367	348	1,038.0
	PAVE. AREA,	20.5	20.2	20.2	
		1085.8	831.5	1036.3	2,953.6

	ODOT REF	ITEM DESCRIPTION	UNIT	Kerry SHEET 6	Parkwood SHEET 7	Parkwood SHEET 8	EXTRA QUANTITY	QUANTITY TOTAL
1	SPEC	PRECONSTRUCTION VIDEO DOCUMENTATION	LUMP	0.3	0.4	0.3	0.0	1.0
2	SPEC	BONDS AND INSURANCES, AS PER PLAN	LUMP	0.3	0.4	0.3	0.0	1.0
3	201	TREE REMOVED, 18 INCH	EACH	0.0	1.0	0.0	0.0	1.0
4	204	EXCAVATION OF SUBGRADE AND EMBANKMENT WITH GRANULAR MATERIAL, CCS, AS PER PLAN, CONTINGENCY, AS DIRECTED	CU YD	9.0	6.9	8.6	5.0	30.0
5	204	GEOTEXTILE FABRIC, 712.09 TYPE D	SQ YD	54.3	41.6	51.8	2.0	150.0
6	251	PARTIAL DEPTH PAVEMENT JOINT REPAIR, A.P.P.	CU YD	0.0	0.0	0.0	5.0	5.0
7	253	TYPE "A" PAVEMENT REPLACEMENT (CONCRETE), ROADWAY, AS PER PLAN	SQ YD	0.0	0.0	30.0	0.0	30.0
8	253	TYPE "B" PAVEMENT REPLACEMENT (Asphalt over CONCRETE), ROADWAY, AS PER PLAN	SQ YD	0.0	8.0	0.0	0.0	8.0
9	254	PAVEMENT PLANING, ASPHALT CONCRETE, A.P.P.	SQ YD	1085.8	831.5	1036.3	0.0	2954.0
10	255	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC MS, AS PER PLAN	SQ YD	54.3	41.6	51.8	2.0	150.0
11	305	8" CONCRETE BASE, (Trench Repair)	SQ YD	78.0	61.0	127.0	0.0	266.0
12	407	TACK COAT, TRACKLESS TACK	GALLON	108.6	83.2	103.6	0.0	295.0
13	SPEC	ASPHALT PRESERVATIVE SEAL, A.P.P.	SQ YD	1085.8	831.5	1036.3	0.0	2954.0
14	448	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22, A. P. P.	CU YD	45.2	34.6	43.2	22.0	145.0
15	448	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22, A. P. P.	CU YD	45.2	34.6	43.2	2.0	125.0
16	SPEC	SPECIAL - CONCRETE SEALING SURFACE TREATMENT, SINAK, AS PER PLAN	SQ YD	708.1	653.9	602.4	0.0	1964.0
17	SPEC	SPECIAL - PAVEMENT REINFORCING FABRIC - FIBERGLASS/POLYESTER HYBRID (GlasPave 25), AS PER PLAN	SQ YD	1085.8	831.5	1036.3	0.0	2954.0
18	452	6 INCH NON-REINFORCED CONCRETE DRIVES AND APRONS, CLASS QC MS, INCL. FIBER REINFORCING, INCLUDING REMOVAL, AS PER PLAN	SQ YD	129.7	167.2	142.5	0.0	439.0
19	603	6 INCH CONDUIT POINT REPAIR, AS PER PLAN	EACH	0.0	1.0	0.0	0.0	1.0
20	603	10 INCH CONDUIT POINT REPAIR, AS PER PLAN	EACH	0.0	1.0	0.0	0.0	1.0
21	603	6 INCH CONDUIT POINT REPAIR, ADDITIONAL FOOTAGE, CONTINGENCY, AS PER PLAN, AS DIRECTED	LIN FT	0.0	4.0	0.0	0.0	4.0
22	603	10 INCH CONDUIT POINT REPAIR, ADDITIONAL FOOTAGE, CONTINGENCY, AS PER PLAN, AS DIRECTED	LIN FT	0.0	4.0	0.0	0.0	4.0
23	603	CONDUIT POINT REPAIRS, LATERAL RECONNECTION, AS PER PLAN	EACH	0.0	1.0	0.0	0.0	1.0
24	605	4" SHALLOW PIPE U-DRAIN WITH FABRIC WRAP, A.P.P.	LIN FT	688.0	680.0	630.0	2.0	2000.0
25	608	4 INCH CONCRETE WALK INCLUDING FIBROUS REINFORCING, INCLUDING REMOVAL, AS PER PLAN	SQ FT	2985.0	2285.3	2203.0	27.0	7500.0
26	608	CURB RAMP, AS PER PLAN - ADDITIONAL LABOR FOR FORMING/POURING AND TRUNCATED DOME PLATE - SF OF CONCRETE PAID SEPARATELY	EACH	2.0	2.0	2.0	0.0	6.0
27	608	6 INCH CURB RAMP, INCLUDING FIBROUS REINFORCING, INCLUDING REMOVAL, AS PER PLAN	SQ FT	156.0	55.0	66.1	23.0	300.0

	ODOT REF	ITEM DESCRIPTION	UNIT	Kerry SHEET 6	Parkwood SHEET 7	Parkwood SHEET 8	EXTRA QUANTITY	QUANTITY TOTAL
28	609	COMBINATION CURB AND GUTTER, TYPE 2, INCLUDING REMOVAL, AS PER PLAN	LIN FT	688.0	680.0	620.0	12.0	2000.0
29	609	CURB, TYPE 6, INCLUDING REMOVAL, AS PER PLAN	LIN FT	0.0	0.0	10.0	0.0	10.0
30	609	12" STORM SEWER, AS PER PLAN	LIN FT	0.0	0.0	0.0	25.0	25.0
31	611	CATCH BASIN WITH SUMP & TRAP, A.P.P.	EACH	0.0	0.0	0.0	1.0	1.0
32	611	CATCH BASIN ADJUSTED TO GRADE, A.P.P.	EACH	3.0	3.0	5.0	0.0	11.0
33	611	CATCH BASIN PARTIALLY RECONST. TO GRADE, A.P.P.	VERT FT	0.0	0.0	0.0	5.0	5.0
34	611	MANHOLE ADJUSTED TO GRADE, A.P.P.	EACH	1.0	4.0	6.0	0.0	11.0
35	611	MANHOLE PARTIALLY RECONST. TO GRADE, A.P.P.	VERT FT	0.0	0.0	0.0	5.0	5.0
36	611	GAS VALVE BOX ADJUSTED TO GRADE	EACH	0.0	0.0	0.0	1.0	1.0
37	SPEC	MISCELLANEOUS METAL	POUND	2665.0	3515.0	5725.0	95.0	12000.0
38	614	MAINTAINING TRAFFIC, AS PER PLAN	LUMP	0.3	0.4	0.3	0.0	1.0
39	623	MONUMENT BOX ADJUSTED TO GRADE, A.P.P.	EACH	2.0	0.0	1.0	0.0	3.0
40	630	REM. OF GR'D MOUNTED SIGN AND REERECTION, A.P.P.	EACH	1.0	2.0	1.0	0.0	4.0
41	638	ABANDON EXISTING WATER MAIN, A.P.P.	LUMP	0.3	0.4	0.3	0.0	1.0
42	638	CONNECT NEW WATER MAIN TO EXISTING WATER MAIN W/O TAPPING SLEEVE OR CUT-IN-TEE, AS PER PLAN	EACH	1.0	1.0	3.0	0.0	5.0
43	638	8 INCH WATER MAIN POLYVINYL CHLORIDE PIPE AND FITTINGS, AWWA C909 PVCO, AS PER PLAN	LIN FT	270.0	340.0	439.0	0.0	1049.0
44	638	1 INCH COPPER SERVICE BRANCH (LONG), OPEN CUT OR PUSHED, DRILLED, OR BORED, AS PER PLAN	EACH	2.0	6.0	4.0	0.0	12.0
45	638	1 INCH COPPER SERVICE BRANCH (SHORT), OPEN CUT OR PUSHED, DRILLED, OR BORED, AS PER PLAN	EACH	6.0	6.0	2.0	0.0	14.0
46	638	LEAD WATER SERVICE REPLACEMENT, FROM CURB BOX/METER TO HOUSE VALVE/METER, AS DIRECTED	LIN FT	0.0	0.0	0.0	150.0	150.0
47	638	6 INCH FIRE HYDRANT ASSEMBLY, INCLUDING 6 INCH VALVE AND VALVE BOX, TYPE B, AS PER PLAN	EACH	0.0	0.0	2.0	0.0	2.0
48	638	6 INCH FIRE HYDRANT ASSEMBLY, INCLUDING 6 INCH VALVE AND VALVE BOX, TYPE C, AS PER PLAN	EACH	1.0	1.0	0.0	0.0	2.0
49	638	FIRE HYDRANT & VALVE BOX REM & DISP. OF, A.P.P.	EACH	1.0	2.0	1.0	0.0	4.0
50	638	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	EACH	0.0	0.0	0.0	0.0	1.0
51	638	8 INCH GATE VALVE WITH VALVE BOX	EACH	1.0	4.0	4.0	0.0	9.0
52	638	METER AND BOX RELOCATED	EACH	0.0	0.0	0.0	1.0	1.0
53	643	STOP LINE	FOOT	12.0	12.0	18.0	0.0	42.0
54	643	CROSSWALK LINE	FOOT	70.0	58.0	310.0	0.0	438.0
55	SPEC	LAWN RESTORATION INCL. LINEAL GRADING & TOPSOIL	LUMP	0.3	0.4	0.3	0.0	1.0
56	690	SPECIAL - VOID REDUCING ASPHALT MEMBRANE (VRAM)	FOOT	323.0	367.0	348.0	0.0	1038.0
57	832	TEMPORARY SEDIMENT AND EROSION CONTROL, AS PER PLAN	LUMP	0.3	0.4	0.3	0.0	1.0
58	999	CONTINGENCY/DISCRETIONARY ALLOWANCE	LUMP	0.3	0.4	0.3	0.0	1.0

- GENERAL NOTES
- MATERIALS OF WORK FOR "AS DIRECTED" ITEMS SHALL NOT BE ORDERED FOR THE DELIVERY TO THE PROJECT OR WORK PERFORMED UNTIL AUTHORIZED BY THE ENGINEER.
 - MANHOLES, CATCH BASINS, MONUMENT BOXES, WATER VALVE BOXES AND OTHER CASTINGS SHALL BE RAISED OR LOWERED FLUSH WITH THE FINISHED SURROUNDING SURFACE. ANY METER OR VALVE BOX ENCOUNTERED WITHIN THE WORK SITE SHALL BE EXPOSED AND ADJUSTED TO GRADE. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID.
 - BEFORE THE CITY WILL APPROVE AND ACCEPT THE WORK AND RELEASE THE GUARANTY RETAINER, THE CONTRACTOR SHALL FURNISH THE CITY A WRITTEN REPORT INDICATING THE RESOLUTION OF ANY AND ALL PROPERTY DAMAGE CLAIMS FILED WITH THE CONTRACTOR BY ANY PARTY DURING THE CONSTRUCTION PERIOD. THE INFORMATION TO BE SUPPLIED SHALL INCLUDE, BUT NOT BE LIMITED TO, NAME OF CLAIMANT, DATE FILED WITH CONTRACTOR, NAME OF INSURANCE COMPANY AND/OR ADJUSTOR HANDLING CLAIM, HOW CLAIM WAS RESOLVED AND, IF CLAIM WAS NOT RESOLVED FOR THE FULL AMOUNT, A STATEMENT INDICATING THE REASON FOR SUCH ACTION.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY WHEN NEEDED OR ORDERED BY THE OWNER WATER OR CALCIUM CHLORIDE PER ODOT 616 FOR THE ALLEVIATION OR PREVENTION OF DUST NUISANCE ORIGINATING FROM HIS CONSTRUCTION ACTIVITIES. SUFFICIENT QUANTITIES OF CALCIUM CHLORIDE SHALL BE STORED ON THE JOB SITE AT ALL TIMES TO BE USED FOR DUST CONTROL. THE COST OF DUST CONTROL SHALL BE INCLUDED IN THE UNIT BID PRICES FOR ALL ITEMS OF THE PROPOSAL.

- THE CONTRACTOR SHALL PROVIDE A PRE-CONSTRUCTION VIDEO TAPE SURVEY OF THE ENTIRE PROJECT AREA. ANY DAMAGE DEEMED TO HAVE BEEN CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT HIS OWN EXPENSE. ALL COSTS ASSOCIATED FOR THIS WORK, INCLUDING THE VIDEO TAPE SURVEY, SHALL BE INCLUDED IN THE UNIT PRICES STIPULATED FOR THE VARIOUS ITEMS IN THE BID PROPOSAL.

TRENCH EXCAVATION AND BACKFILL

- ALL EXCAVATION SHALL BE CONSIDERED UNCLASSIFIED. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED THE CONTRACTOR FOR ROCK OR SHALE EXCAVATION.
- BACKFILL FOR ALL UNDERGROUND UTILITIES INSTALLED UNDER PAVEMENT, OR WITHIN A 1:1 ZONE OF INFLUENCE PARALLEL, OR TRANSVERSE TO PAVEMENT, SHALL BE "COMPACTED GRANULAR BACKFILL" AS DESCRIBED IN SPECIFICATION SECTION 02235 AND IN ACCORDANCE WITH THE PLANS. BACKFILL IN OTHER AREAS SHALL BE AS DESCRIBED IN SPECIFICATION SECTION 312323.13 - "COMPACTED BACKFILL" OR SECTION 02235 - "COMPACTED GRANULAR BACKFILL". THE OWNER AND THE ENGINEER DO NOT GUARANTEE NOR SUGGEST THE INSTU MATERIAL TO BE EXCAVATED WILL BE SUITABLE OR IN ITS PRESENT STATE WILL CONSIST OF THE PROPER MOISTURE CONTENT TO ACHIEVE THE CONACTION REQUIREMENTS. THE CONTRACTOR SHALL MAKE HIS OWN DETERMINATION AS TO THE BACKFILL MATERIAL HE WILL USE. UPON REQUEST, THE OWNER WILL PROVIDE ACCESS TO THE SITE FOR THE CONTRACTOR TO CONDUCT SUCH INVESTIGATION AND TESTS DEEMED NECESSARY TO MAKE HIS DETERMINATION. NO EXTRA PAYMENT WILL BE MADE TO DISPOSE OF UNSUITABLE MATERIAL OR FURNISH AND PLACE SUITABLE MATERIAL MEETING THE REQUIREMENTS OF SECTION 312323.13 "COMPACTED BACKFILL" OR SECTION 02235 "COMPACTED GRANULAR BACKFILL".
- SLAG PRODUCTS WILL NOT BE PERMITTED FOR BEDDING OR BACKFILL MATERIAL.
- BACKFILL SHALL BE COMPACTED IN LAYERS NOT EXCEEDING 9" IN DEPTH. BACKFILL MATERIAL SHALL BE PLACED WITH 2% OF THE OPTIMUM MOISTURE. THE ENGINEER MAY ORDER THE REMOVAL, REFILLING, RECOMPACTION AND RETESTING OF ALL BACKFILL NOT MEETING THE REQUIREMENTS OF THE CONTRACT.
- BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED USING MACHINE MOUNTED COMPACTION EQUIPMENT IN LAYERS SUFFICIENT TO MEET THE COMPACTION REQUIREMENT ODOT 203.
- NO BACKFILLING OF ANY TRENCHES OR EXCAVATIONS WILL BE PERMITTED WITHOUT TAMPING EQUIPMENT BEING USED. FLOODING, JETTING OR PUDDLING OF BACKFILL WILL NOT BE PERMITTED.
- ALL UTILITY LINES CROSSING THE NEW WATER TRENCH, I.E. STORM SEWERS, STORM LATERALS, SANITARY SEWERS, SANITARY LATERALS, WATER MAINS, WATER SERVICE CONNECTIONS, GAS MAINS, GAS SERVICE CONNECTIONS, UNDERGROUND OBT CONDUITS, OR CABLE T.V. LINES SHALL BE PROTECTED AND SUPPORTED WITH HARDWOOD PLANKS OR REMOVED AND REPLACED, RECONNECTED AND SUPPORTED ACROSS THE ENTIRE WIDTH OF THE TRENCH. NO ADDITIONAL COMPENSATION WILL BE PAID FOR THE ABOVE WORK, EVEN IF NOT SHOWN ON THE PLANS.
- ALL EXISTING SEWER CASTINGS REMOVED ON THIS PROJECT SHALL REMAIN THE PROPERTY OF THE CITY OF WICKLIFFE AND SHALL BE DELIVERED BY THE CONTRACTOR TO A SITE DESIGNATED BY THE CITY.
- ALL EXISTING TEST TEE MARKINGS ENCOUNTERED ON THE SIDEWALK AND/OR CURB DURING CONSTRUCTION SHALL BE REFERENCED AND RESTORED, MARKED WITH A SAW CUT SYMBOL ON THE SIDEWALK (+) FOR STORM TEE AND (Δ) FOR SANITARY TEE.

PROJECT PHASING

IT IS THE DESIRE OF THE CITY OF WICKLIFFE TO HAVE THE CONTRACT WORK PROCEED IN AN ORDERLY AND NEAT MATTER IN ORDER TO KEEP THE DISRUPTION TO THE RESIDENTS TO A MINIMUM. THUSLY THE CONTRACTOR IS TO PREPARE AND IMPLEMENT A WORK PHASING PLAN, APPROVED BY THE DIRECTOR OF PUBLIC SERVICE AND THE ENGINEER, INCLUSIVE OF THE FOLLOWING REQUIREMENTS:

- ALL WORK SHALL BE 1/2 WIDTH.
- NO WORK SHALL BE DONE ON THE OPPOSITE SIDE OF THE STREET UNTIL ALL NEW PAVEMENT (CONCRETE OR ASPHALT BASE AND INTERMEDIATE COURSES), DRIVE APRONS, SIDEWALKS AND ROUGH GRADE LANDSCAPING ARE IN PLACE ON THE SIDE BEING CONSTRUCTED.
- THE CITY MAY ACCEPT A PHASING PLAN CONSISTING OF PERFORMING 1/2 WIDTH IMPROVEMENTS ALONG THE SECTIONS/PHASES OF THE PROJECT LENGTH. THE CONTRACTORS PLAN SHALL SUBSTANTIALLY COMPLETE EACH PHASE ON BOTH SIDES OF THE RIGHT-OF-WAY BEFORE MOVING ON THE THE NEXT PHASE.
- DRIVE APRON ACCESS IS TO BE MAINTAINED AT ALL TIMES EXCEPTING DURING CONCRETE PLACEMENT AND CURING.

ROADWAY EXCAVATION AND PAVEMENT

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER FORTY-EIGHT (48) HOURS IN ADVANCE OF BEGINNING WORK WHICH REQUIRES PROOF ROLL TESTING AND/OR PRE-POUR INSPECTION PRIOR TO PLACEMENT OF PAVEMENT. WORK WILL NOT BEGIN UNTIL INSPECTION HAS BEEN COMPLETED AND APPROVED BY THE ENGINEER.
- PART WIDTH CONSTRUCTION AS DESCRIBED IN GENERAL NOTE 1.02 SHALL BE USED FOR PAVING OPERATIONS. PAVING OPERATIONS SHALL NOT BEGIN ON THE OPPOSITE LANE(S) UNTIL ROADWAY AND DRIVE APRONS ARE INSTALLED AND OPEN TO TRAFFIC ON THE STARTING SIDE.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE BARRICADE DEVICES TO PREVENT VEHICULAR TRAFFIC ON NEW CONCRETE PAVEMENT AND APRONS UNTIL THE END OF THE CURE PERIOD OR UNTIL THE SPECIMEN TEST BEAMS HAVE ATTAINED A MODULUS OF RUPTURE OF 600 PSI FOR QC MS CONCRETE.
- THE EXCAVATION, EMBANKMENT AND COMPACTION OF THE NEW ROADWAY SUBGRADES IS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS 203. A MINIMUM OF TWO (2) PROOF ROLLINGS WILL BE REQUIRED AS DIRECTED BY THE ENGINEER BEFORE PAVING. THE FIRST PROOF ROLLING SHALL BE PERFORMED AFTER THE INSTALLATION OF ALL UNDERGROUND IMPROVEMENTS AND AFTER FINE GRADING JUST PRIOR TO PAVING. THE PROOF ROLLINGS SHALL BE COMPLETED AS FOLLOWS: EXCAVATION OR EMBANKMENT TO FINISHED SUBGRADE. EMBANKMENTS ARE COMPACTED AND TESTED FOR COMPACTION IN 6" LIFTS PER ODOT 203. THE SUBGRADE IS COMPACTED AND TESTED. THE

SUBGRADE FOR THE NEW ROAD IS THEN PROOF ROLLED. AREAS EXHIBITING UNACCEPTABLE MOVEMENT UNDER PROOF ROLLING ARE UNDERCUT TO A DEPTH DIRECTED BY THE ENGINEER AND BACKFILLED WITH MATERIALS SPECIFIED IN THE PLANS. THE SUBGRADE IS RE-PROOF ROLLED TO VERIFY THE UTILITY OF THE UNDERCUT. UPON PASSING THE PROOF ROLL THE AREA IS APPROVED FOR THE INSTALLATION OF THE BASE MATERIAL. THE AGGREGATE BASE MATERIAL IS PLACED PER ODOT SPECIFICATIONS, COMPACTED, TESTED AND PROOF ROLLED. MOISTURE CONTENT OF THE SUBGRADE AT THE TIME OF PROOF ROLLING SHALL CONFORM TO SECTION 203.11 OF THE ODOT SPECIFICATIONS. THE MINIMUM EQUIPMENT SHALL CONSIST OF A SINGLE UNIT, TANDDEM AXLE DUMP TRUCK CAPABLE OF BEING LOADED TO 30,000 POUND AXLE LOAD, 80,000 POUND GVW. TIRE PRESSURE SHALL BE MAINTAINED AT 90 PSI OR AS SPECIFIED UNDER SECTION 203.14 OF ODOT SPECIFICATIONS. ANY AREA PERMITTING TIRES TO LEAVE A GROOVE OF ONE (1) INCH OR MORE SHALL BE UNACCEPTABLE FOR PAVING. ANY AREA PERMITTING THE TEST VEHICLE TIRES TO LEAVE A GROOVE OF ZERO (0) TO ONE-HALF (1/2) INCH DEEP SHALL BE ACCEPTABLE. ANY AREA PERMITTING THE TEST VEHICLE TIRES TO LEAVE A GROOVE OF ONE-HALF (1/2) INCH TO ONE (1) INCH DEEP SHALL BE AT THE ENGINEER'S DISCRETION.

- JOINT AND CRACK SEALER FOR PAVEMENT SHALL MEET THE REQUIREMENTS OF ODOT ITEM 705.04 AND ASTM D 3405. A DOUBLE BOILER SHOULD BE USED FOR HEATING THE MATERIAL.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE SUFFICIENT SECURITY MEASURES AND/OR PERSONNEL TO PROTECT ALL NEW CONCRETE WORK FROM VANDALISM AT NO ADDITIONAL COST TO THE CITY. ANY VANDALIZED CONCRETE SHALL BE REPLACED IN FULL AT THE CONTRACTOR'S EXPENSE.

EXISTING UTILITIES

- THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED BY DILIGENT FIELD CHECKS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THE CITY OF WICKLIFFE AND THE LAKE COUNTY DEPARTMENT OF UTILITIES DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS.
- BEFORE ANY WORK IS STARTED THAT WILL INTERFERE WITH THE EXISTING UTILITIES, THE CONTRACTOR SHALL CALL THE "OHIO UTILITIES PROTECTION SERVICE", AT 1-800-362-2764, FORTY-EIGHT (48) HOURS IN ADVANCE OF THE WORK. THE FOLLOWING REFERENCE NUMBERS HAVE BEEN ASSIGNED TO THIS PROJECT BY THE OHIO UTILITIES PROTECTION SERVICE. NON-MEMBER UTILITIES MUST BE CONTACTED DIRECTLY. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS, AT NO ADDITIONAL EXPENSE TO THE CITY OF WICKLIFFE, TO AVOID DAMAGE TO EXISTING UNDERGROUND AND OVERHEAD UTILITY LINES DURING THE ENTIRE PROJECT. IN THE EVENT OF DAMAGE TO EXISTING PUBLIC AND/OR PRIVATE UTILITIES, THE AGENCY CONCERNED SHALL BE NOTIFIED IMMEDIATELY AND ALL REPAIR WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE RESPECTIVE AGENCY AT NO ADDITIONAL EXPENSE TO THE CITY OF WICKLIFFE, INCLUDING ANY INSPECTION FEES OR MAINTENANCE CREWS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF THE EXISTING UTILITY OWNERS LISTED BELOW AND THE UTILITY PROTECTION SERVICE IN ACCORDANCE WITH SECTION 153.64 OF THE OHIO REVISED CODE AND OUTLINED IN PROJECT SPECIFICATIONS. THE UTILITY OWNERSHIPS ARE AS FOLLOWS:

OHIO UTILITY PROTECTION SERVICE 106 WEST RYEN, ROOM 427 YOUNGSTOWN, OHIO 44051 PHONE: (800) 362-2746	THE ILLUMINATING COMPANY P.O. BOX 5000 CLEVELAND, OHIO 44101 PHONE: (216) 622-9800	DOMINION EAST OHIO 320 SPRINGSIDE DRIVE, STE 320 AKRON, OHIO 44333 PHONE: (330) 664-2409
CITY OF WICKLIFFE 28730 RIDGE ROAD WICKLIFFE, OHIO 44092 PHONE: (440) 943-7100	LAKE COUNTY UTILITIES DEPT. 105 MAIN STREET PAINESVILLE, OHIO 44077 PHONE: (440) 350-2645	CHARTER/SPECTRUM 7820 DIVISION DRIVE MENTOR, OHIO 44060 PHONE: (440) 974-3401
		AT&T 13630 LORAIN ROAD CLEVELAND, OHIO 44111 PHONE: (216) 476-6084

- WHERE EXISTING POWER OR TELEPHONE POLES ARE IN CLOSE PROXIMITY TO WORK, THE CONTRACTOR SHALL COORDINATE HIS WORK EFFORTS WITH THOSE OF THE UTILITY COMPANIES SUCH THAT THEIR EXISTING FACILITIES CAN BE MAINTAINED AND PROTECTED DURING THE TIME WORK IS GOING ON ADJACENT TO THE POLE. THE COST AND COORDINATION FOR ANY REQUIRED PROTECTION OR RELOCATION OF EXISTING POWER OR TELEPHONE POLES SHALL NOT BE THE RESPONSIBILITY OF THE CITY OF WICKLIFFE. DELAYS TO THE CONTRACTOR AS A RESULT OF TIMING OF POLE RELOCATION OR PROTECTION SHALL NOT BE CONSIDERED COMPENSABLE DELAYS, AS IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS WORK IN CONFORMANCE TO THE UTILITY COMPANY'S SCHEDULE.
- THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITIES AFFECTED BY THE PROPOSED CONSTRUCTION.

SERVICE CONNECTIONS

- ALL ACTIVE DRAINAGE PIPES ENCOUNTERED SHALL BE RECONNECTED TO EXISTING FACILITIES OR CONNECTED TO THE NEW FACILITIES.
- ALL EXISTING UTILITY SERVICE CONNECTIONS (SANITARY, STORM, WATER, GAS, ELECTRIC, TELEPHONE, ETC.) WHICH ARE DAMAGED DURING THE INSTALLATION OF PIPE SHALL BE REPAIRED WITH LIKE MATERIALS OR REPLACED, AS REQUIRED. THE COST OF UTILITY SERVICE CONNECTION REPAIR/REPLACEMENT SHALL BE INCLUDED IN THE UNIT PRICES FOR ALL ITEMS IN THE PROPOSAL.
- ALL UTILITY LINES CROSSING THE NEW TRENCH SHALL BE PROTECTED AND SUPPORTED WITH HARDWOOD PLANKS; OR REMOVED, REPLACED, RECONNECTED AND SUPPORTED ACROSS THE ENTIRE WIDTH OF THE TRENCH. IF ANY OF THESE LINES ARE DAMAGED DURING CONSTRUCTION, THEY SHALL BE REPLACED IN-KIND.
- THE CONTRACTOR SHALL BE REQUIRED TO BYPASS AND MAINTAIN THE FLOW TO/FROM ALL HOUSE UTILITY CONNECTIONS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL EXPECT ONE UNDERGROUND SEWER, GAS AND WATER CONNECTION FOR EACH LOT (INCLUDING VACANT LOTS) ON BOTH SIDES OF THE STREET FOR THE ENTIRE PROJECT LENGTH.
- THE COST OF UTILITY RELOCATION, REPLACEMENT, AND/OR SUPPORT SHALL BE INCLUDED IN THE COST PER LINEAL FOOT OF PROPOSED WATER MAIN.

GRASS RESTORATION

- PRIOR TO START OF CONSTRUCTION THE CONTRACTOR SHALL INVENTORY TREELAWNS FOR EXISTING ORNAMENTAL LANDSCAPE FEATURES INCLUDING LAWN SPRINKLER SYSTEMS AND IRON PINS. ANY LANDSCAPE PAVING DISTURBED OR DAMAGED BY THE CONTRACTOR'S ACTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION. COST OF INVENTORY AND RESTORATION SHALL BE INCLUDED IN THE UNIT BID PRICE FOR LAWN RESTORATION.
- RESTORATION OF TREELAWNS AND GRASS AREAS IN EASEMENTS SHALL BE PERFORMED BY A LANDSCAPE CONTRACTOR TO BE APPROVED BY THE CITY ENGINEER AND SERVICE DIRECTOR. THE LANDSCAPE CONTRACTOR MUST BE EXPERIENCED IN COMMERCIAL INSTALLATIONS AND PROVIDE REFERENCES AND OTHER DETAILED INFORMATION TO ENABLE THE OWNER TO JUDGE HIS EXPERIENCE AND CAPABILITY TO PERFORM THE WORK. GRASS AREAS TO BE RESTORED SHALL BE SEEDED UNLESS OTHERWISE SHOWN ON THE CONTRACT DRAWINGS. THE SEED SHALL BE PLACED ON A FOUR (4) INCH BED OF COMPACTED TOPSOIL THAT HAS BEEN RAKED AND BROUGHT TO AN EVEN SURFACE. TOPSOIL SHALL BE SHREDDED AND BE FREE OF ROCKS, ROOTS, AND WEEDS. THE CONTRACTOR SHALL PROVIDE TOPSOIL SAMPLES AND SOURCES OF SUPPLY TO THE ENGINEER FOR APPROVAL PRIOR TO DELIVERY OF THE MATERIAL TO THE JOB SITE.

SEWER INSTALLATION

- ALL SANITARY SEWER 21" AND UNDER AND ALL STORM SEWER 18" AND UNDER SHALL BE PVC, SDR 26 RESILIENT AND FLEXIBLE (PREMIUM) JOINTS UNLESS OTHERWISE SHOWN ON THE PLANS. ALL STORM SEWER 21" AND GREATER SHALL BE ASTM C76 REINFORCED CONCRETE PIPE, CL III, WITH ASTM C 443 RESILIENT AND FLEXIBLE (PREMIUM) JOINTS UNLESS OTHERWISE SHOWN ON THE PLAN.
- THE MAINLINE SANITARY AND STORM SEWERS SHALL BE VISUALLY INSPECTED TWICE BY MEANS OF TELEVISION AND RECORDING ON VHS FORMAT VIDEOTAPE ALONG WITH AUDIO COMMENTARY. THE TELEVISION AND VIDEOTAPE RECORDING SHALL BE PERFORMED ONE BEFORE PAVING OPERATIONS BEGIN AND ONCE AFTER THE PAVEMENT IS IN PLACE AND OPENED TO TRAFFIC. TELEVISION SHALL BE AS PER SPECIFICATION 330130.11. ANY DEFECT IN MATERIAL OR WORKMANSHIP REVEALED BY THE VISUAL-AND INSPECTION MUST BE CORRECTED BY THE CONTRACTOR AT NO COST TO THE CITY AND TO THE FULL SATISFACTION OF THE CITY AND ENGINEER BEFORE ACCEPTANCE OF THE WORK AND RELEASE OF FINAL ESTIMATE AND PAYMENT THEREOF. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TOTAL COST OF CLEANING ALL SEWERS PRIOR TO VISUAL INSPECTION. COST OF TELEVISION AND VIDEOTAPEING OPERATION SHALL BE INCLUDED IN THE UNIT PRICES STIPULATED FOR THE VARIOUS ITEMS OF THE PROPOSAL.

PROPERTY PINS AND MONUMENTS

- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EMPLOY A REGISTERED SURVEYOR TO LOCATE, RECORD, AND MARK ALL EXISTING MONUMENTS AND PROPERTY CORNERS WITHIN THE CONSTRUCTION LIMITS. THIS COST SHALL BE DISTRIBUTED AMONG THE APPROPRIATE PROJECT PAY ITEMS. A LISTING OF THE PINS AND MONUMENTS SHALL BE SUPPLIED TO THE CITY ENGINEER PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL PINS AND MONUMENTS DURING CONSTRUCTION. IF PINS AND MONUMENTS ARE DISTURBED DURING CONSTRUCTION, THE CONTRACTOR SHALL HAVE THEM REPLACED BY THE REGISTERED SURVEYOR AT NO ADDITIONAL COST TO THE CITY.

EROSION AND DUST CONTROL

- SEDIMENT CONTROL SHALL BE ACCOMPLISHED BY HYDRO SEEDING AND MULCHING IMMEDIATELY UPON COMPLETION OF EXCAVATION OR FILL AND FINISH GRADING IN ACCORDANCE WITH ODOT ITEM 659 OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL BEGIN THE RESTORATION PROCESS AS SOON AS CONSTRUCTION IS COMPLETED, PERMANENTLY STABILIZING EACH DISTURBED AREA WITH PERENNIAL VEGETATION INSTALLED ACCORDING TO SOIL CONSERVATION SERVICE STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL REMOVE DAILY ALL MUD, SOIL AND DEBRIS THAT MAY BE TRACKED ONTO EXISTING STREETS OR DRIVES BY HIS EQUIPMENT OR THAT OF SUBCONTRACTORS OR SUPPLIERS.
- ALL MATERIALS TO BE DISPOSED OF OFF-SITE MUST BE DISPOSED OF IN AN ENVIRONMENTALLY SOUND MANNER IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. NO EXCESS MATERIALS ARE TO BE DISPOSED OF IN ANY WETLAND, FLOOD PLAIN OR OTHER ENVIRONMENTALLY SENSITIVE AREA.
- EROSION CONTROL MEASURES AT THE DISPOSAL SITE MUST BE INSTALLED AND MAINTAINED UNTIL DISPOSAL IS COMPLETE AND THE DISPOSAL SITE IS PERMANENTLY STABILIZED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY WHEN NEEDED OR ORDERED BY THE OWNER WATER OR CALCIUM CHLORIDE PER ODOT 616 FOR THE ALLEVIATION OR PREVENTION OF DUST NUISANCE ORIGINATING FROM HIS CONSTRUCTION ACTIVITIES. SUFFICIENT QUANTITIES OF CALCIUM CHLORIDE SHALL BE STORED ON THE JOB SITE AT ALL TIMES TO BE USED FOR DUST CONTROL. THE COST OF DUST CONTROL SHALL BE INCLUDED IN THE UNIT BID PRICES FOR ALL ITEMS OF THE PROPOSAL.
- OTHER EROSION AND SEDIMENT CONTROL PRACTICES SHALL MINIMIZE SEDIMENT LADEN WATER ENTERING ACTIVE STORM DRAIN SYSTEMS, UNLESS THE STORM DRAIN SYSTEM DRAINS TO A SEDIMENT POND. INLET PROTECTION IS MANDATORY WHERE SEDIMENT SETTLING PONDS WILL NOT BE IMPLEMENTED.

EXCESS EXCAVATION

- ALL EXCESS EXCAVATION SHALL BE DISPOSED OF IN A LOCATION TO BE SELECTED BY THE CONTRACTOR. THE CONTRACTOR MUST OBTAIN A PERMIT FROM THE CITY IF THE MATERIAL IS TO BE DISPOSED OF WITHIN THE CITY LIMITS.

AIR/NOISE CONTROL

- CONSTRUCTION ACTIVITIES WILL BE LIMITED TO WEEKDAY DAYTIME HOURS, UNLESS APPROVED IN ADVANCE BY THE CITY.

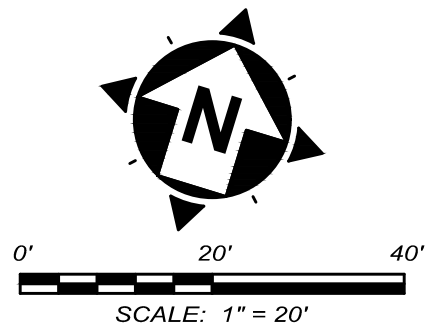
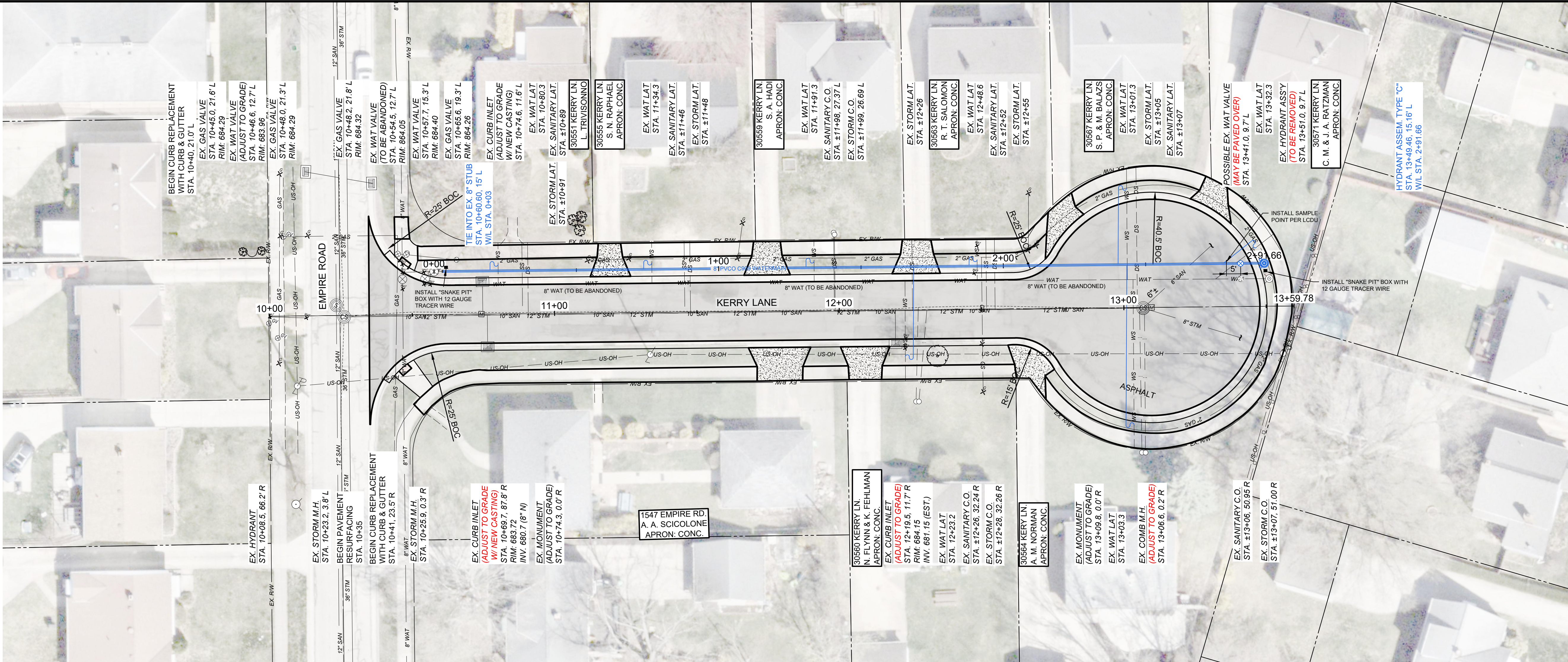
WATER WORKS

- DEPTH OF EXISTING WATER MAINS AND SEWERS AT LOCATIONS WHERE NEW WATER MAIN IS PROPOSED TO CROSS, THE NEW WATER MAIN ELEVATION SHALL BE ADJUSTED BY VERTICAL JOINT DEFLECTION FROM THE SIX (6) FOOT TYPICAL BURY DEPTH ONE (1) FOOT EITHER WAY BUT IN NO CASE HIGHER THAN THE MINIMUM FIVE (5) FOOT BURY DEPTH TO AVOID CROSSING CONFLICTS WITH THE EXISTING WATER MAIN AND SEWERS AT NO ADDITIONAL COST TO THE CONTRACT. IF DEPTH ADJUSTMENT BY VERTICAL JOINT DEFLECTION IS NOT POSSIBLE TO AVOID CROSSING CONFLICTS THE PROPOSED WATER MAIN SHALL BE LOWERED IN ACCORDANCE WITH THE PIPE LOWERING DETAIL, AT NO ADDITIONAL COST TO THE CITY.
- HYDRANTS DESIGNATED FOR REMOVAL SHALL BE REMOVED UNDER LAKE COUNTY WATER DEPARTMENT SUPERVISION. SPECIAL CARE IN REMOVAL AND HANDLING OF EXISTING HYDRANTS SHALL BE TAKEN AT ALL TIMES. REMOVAL OF EXISTING HYDRANTS IS TO BE DONE BY EXCAVATION AND DISASSEMBLY OF HYDRANT ASSEMBLIES.
- ALL REMOVED HYDRANTS SHALL BECOME THE PROPERTY OF THE LAKE COUNTY WATER DEPARTMENT. REMOVED HYDRANTS ARE TO BE STORED ON JOB SITE FOR PICK-UP BY THE LAKE COUNTY WATER DEPARTMENT. CONTACT AQUARIUS SERVICE CENTER TO SCHEDULE PICK-UP.
- ALL HYDRANTS PROVIDED SHALL BE 5'-6" BURY DEPTH (BURY LINE TO BOTTOM OF HYDRANT SHOE) WITH EXTENSIONS PROVIDED TO THE WATER MAIN DEPTH SHOWN IN THE PLANS.
- THE WICKLIFFE FIRE PREVENTION BUREAU IS TO BE NOTIFIED WHEN WATER WORK IS STARTED. (943-7141)
- SERVICE RECONNECTIONS TO EXISTING METER VAULTS SHALL BE MADE BETWEEN THE NEW MAIN AND THE EXISTING VAULT. WHERE EXISTING VAULTS ARE ENCOUNTERED IN DRIVE APRONS, THEY SHALL BE EXPOSED AND A FIELD DECISION MADE AS TO WHETHER THE VAULT CAN BE RELOCATED TO THE TREELAWN.
- ABANDONMENT OF THE EXISTING WATER MAIN SHALL BE MADE AS CLOSE TO THE LIVE MAIN AS POSSIBLE. THIS SHALL BE DETERMINED BY L.C.D.U.
- AFTER SATISFACTORY TESTING, THE COMPLETED WATER WORK SHALL BE DISINFECTED IN ACCORDANCE WITH A.W.W.A. C651. THE NEW WATER MAIN CANNOT BE PLACED INTO SERVICE UNTIL ALL PROVISIONS OF A.W.W.A. ARE MET.
- THE EXISTING HYDRANTS WILL NOT BE TAKEN OUT OF SERVICE UNTIL ALL NEW HYDRANTS FOR A GIVEN STREET ARE OPERATIONAL. ALL NEW HYDRANTS SHALL BE BAGGED UNTIL THEY ARE OPERATIONAL.
- ALL CURB STOP BOXES, VALVE BOXES ETC. SHALL BE SET AS SHOWN ON THE PLANS. RIMS SHALL BE RAISED OR LOWERED AND BOXES PLUMBED BY THE CONTRACTOR AS REQUIRED PRIOR TO REPLACEMENT.
- ALL VALVES SHALL BE OPERATED BY THE LAKE COUNTY UTILITY DEPARTMENT ONLY. THE CONTRACTOR SHALL SCHEDULE WITH THE LAKE COUNTY UTILITIES DEPARTMENT 24 HOURS IN ADVANCE.
- NO CURB BOXES OR METER VAULTS SHALL FALL WITHIN ANY DRIVE OR APRON.
- SHOULD ANY EXISTING METER REQUIRE REPLACEMENT, AS DETERMINED BY THE L.C.D.U., THE CONTRACTOR SHALL REPLACE THE METER AND THE NEW METER WILL BE SUPPLIED BY THE L.C.D.U.

LAKE COUNTY DEPARTMENT OF UTILITIES WATER NOTES VR_21

- ONLY WATER/SEWER CONTRACTORS LICENSED BY THE LAKE COUNTY BOARD OF COMMISSIONERS MAY INSTALL WATER MAINS.
- THIS APPROVAL BY THE LCDU SHALL EXPIRE IF THE WATERLINE CONSTRUCTION HAS NOT BEEN INITIATED BY A DEVELOPER WITHIN (12) MONTHS OF THE EFFECTIVE APPROVAL DATE AS SHOWN ON THE ORIGINALLY SUBMITTED FOR APPROVAL BLUEPRINT COPY. (THIS IS NOT TO BE CONSTRUED AS THE DATE THAT IS SHOWN ON THE ORIGINAL MYLAR TITLE SHEET.)
- THE CONTRACTOR SHALL NOTIFY THE LCDU AT LEAST 48 HOURS IN ADVANCE OF ANY WORK IN THEIR SYSTEMS.
- THE LCDU SHALL PERFORM INSPECTION SERVICES. THE COST OF INSPECTION SHALL BE INCLUDED AS PART OF THIS CONSTRUCTION PROJECT AT THE CURRENT BASE RATE AS ESTABLISHED BY THE LAKE COUNTY BOARD OF COMMISSIONERS. (SEE SECTION 7 FEE SCHEDULE) COST FOR LAKE COUNTY INSPECTION FEE AND OTHER FEES SHALL BE INCLUDED IN THE UNIT PRICES BID FOR OTHER WATERLINE ITEMS.
- WATERLINE WORK SHALL NOT BEGIN UNTIL THE AREAS OF CONSTRUCTION ARE ROUGH GRADED.
- ALL WATERLINES ON THIS PROJECT SHALL BE LAID AT THE ELEVATIONS AND GRADES SHOWN ON THE DRAWINGS. HIGH POINTS IN THE WATERLINE MUST OCCUR AT THE STATIONED HYDRANT TEE LOCATIONS.
- ALL HYDRANTS SHALL BE POSITIONED SO THAT THE STEAMER NOZZLES POINT IN THE DIRECTION SHOWN ON THE PLANS.
- THE PROPOSED WATERLINE SHALL HAVE 5' MINIMUM COVER OVER THE TOP OF PIPE AT ALL PLACES, EXCEPT AT SPECIFIC HYDRANT TEE LOCATIONS AS SHOWN ON THE PLANS.
- ALL BOLTS SHALL BE STAINLESS STEEL TYPE 304 OR 316 WITH ANTI-GALLING AGENT.
- ALL SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR PRELIMINARY CHECKING. THE ENGINEER SHALL FORWARD CHECKED SHOP DRAWINGS TO THE LCDU FOR FINAL CHECKING AND APPROVAL.
- THE LCDU SHALL PROVIDE WATER FOR THE NEW WATER MAIN WITHOUT COST FOR THE INITIAL OPERATION. ALL WATER FOR FLUSHING OPERATIONS SHALL BE PAID FOR BY THE CONTRACTOR AT CURRENT RATES AS ESTABLISHED BY THE LAKE COUNTY BOARD OF COMMISSIONERS PER 100 CUBIC FEET OF WATER USED. (SEE SECTION 7 FEE SCHEDULE.)
- LOCATION OF STERILIZATION AND TESTING CONNECTIONS SHALL BE AS DIRECTED BY THE LCDU AND ALL COSTS ASSOCIATED WITH PLACING AND UTILIZING SAID STERILIZATION AND TESTING CONNECTIONS SHALL BE INCLUDED IN THE PRICE BID PER LINEAL FOOT OF THE WATER MAINS. NO BACTERIA SAMPLES ARE TO BE TAKEN FROM FIRE HYDRANTS.
- LCDU WILL MAKE THE NECESSARY NEW SERVICE CONNECTION TAPS ON EXISTING LCDU MAINS FOR THE CONTRACTOR AT CURRENT RATES AS ESTABLISHED BY THE LAKE COUNTY BOARD OF COMMISSIONERS PER 8" AND GREATER TAPS WITHIN RIGHT OF WAY. (SEE SECTION 7 FEE SCHEDULE) SERVICE CONNECTIONS TO EXISTING BUILDINGS SHALL BE MADE BY THE CONTRACTOR.
- NO WATER SERVICE CONNECTIONS TO ANY BUILDING SHALL BE PERMITTED PRIOR TO FINAL ACCEPTANCE BY THE LCDU INCLUDING RECTIFICATION OF ALL PUNCH LIST ITEMS.
- ALL CURB STOP BOXES, VALVE BOXES, ETC. TO BE SET AS SHOWN ON THE PLANS. RIMS WILL BE RAISED OR LOWERED AND BOXES PLUMBED BY THE CONTRACTOR AT TIME OF HOUSE CONSTRUCTION WHEN FINAL YARD GRADING IS COMPLETED.
- ALL PROJECT HYDRANTS SHALL HAVE A FIELD COAT OF APPROVED PAINT APPLIED BY THE CONTRACTOR WITH THE EXCEPTION OF HYDRANTS THAT ARE FACTORY PAINTED WITH A ONE COAT UV RESISTANT HIGH GLOSS 2-PART POLYURETHANE ENAMEL, COLOR AS SPECIFIED. IF THE COATING ON THE HYDRANT IS DAMAGED BEFORE INSTALLATION THE HYDRANT MUST BE PAINTED.
- THE CONTRACTOR SHALL NOTIFY THE FIRE DEPARTMENT PRIOR TO ANY PRESSURE TESTING. FIRE DEPARTMENT SHALL WITNESS ANY PRESSURE TESTING.
- ALL PROPOSED WATER LINES SHALL BE LAID OUT BY A REGISTERED SURVEYOR WITH GRADE STAKES AT A MINIMUM OF EVERY 50' AND AT ALL FITTINGS AND A CUT SHEET PROVIDED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR/DEVELOPER SHALL SUBMIT A THREE YEAR MAINTENANCE BOND TO THE COMMISSIONERS BY DEVELOPER IN THE AMOUNT OF TEN PERCENT OF THE FINAL CONSTRUCTION COSTS AS CERTIFIED BY THE DEVELOPER'S ENGINEER, FOR PUBLIC EXTENSION PROJECTS.

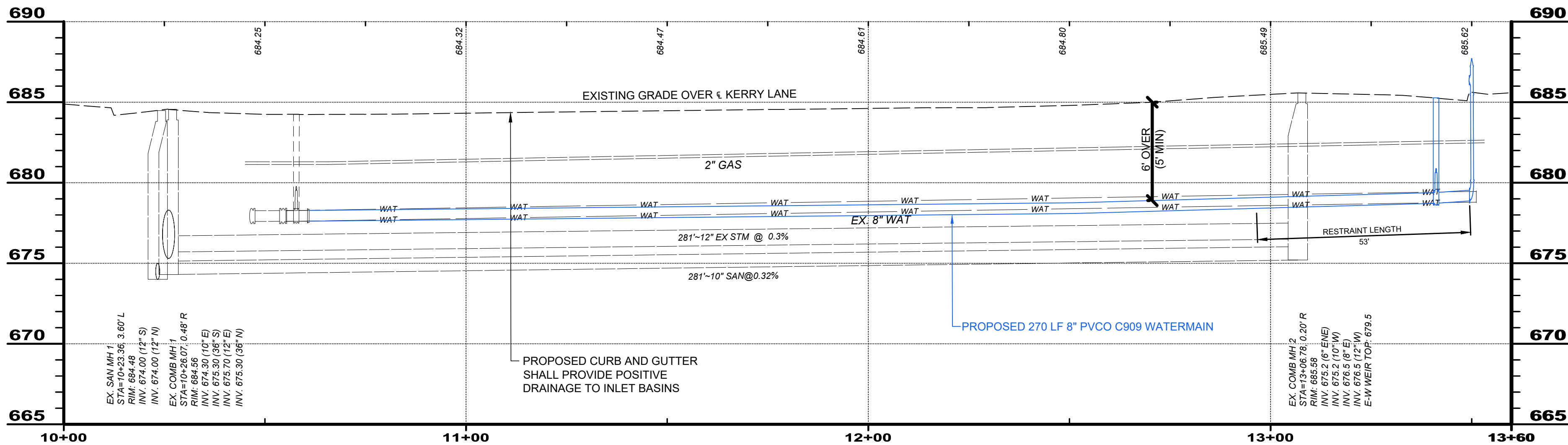
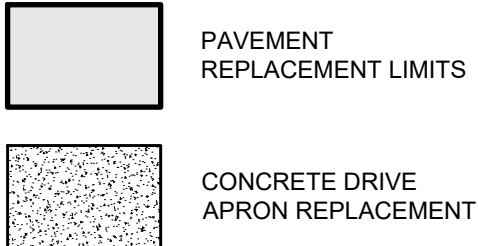
 	NO		REVISION	DATE	<div>CITY OF WICKLIFFE</div> <div>PARKWOOD DRIVE & KERRY LANE WATERMAIN AND PAVEMENT IMPROVEMENTS</div> <div>LAKE COUNTY, OHIO</div>	ISSUED FOR: DRAFT		<div>GENERAL NOTES</div>	PROJECT NO.		
	1		ADDENDUM - PER LAKE COUNTY DEPARTMENT OF UTILITIES COMMENTS	9/3/2025		ISSUE DATE: 9/9/2025			32252		
						SCALE: AS SHOWN			DISCIPLINE		
						DESIGNED BY: PJF			CIVIL		
						DRAWN BY: CKW			SHEET NAME		
						CHECKED BY: PJF			GN-1		
									SHEET	OF	
									2A	18	



NOTES:

- EXISTING WATER SERVICE CONNECTIONS ARE TO BE FIELD LOCATED.
- CONTRACTOR SHALL ASSUME ONE GAS, WATER, SANITARY AND STORM CONNECTION EACH PER PARCEL.

LEGEND



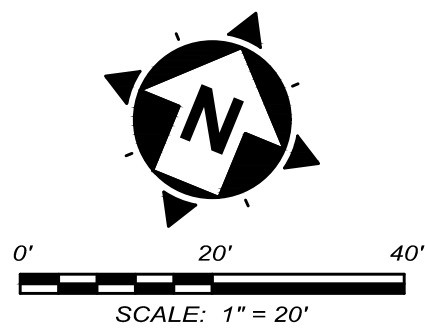
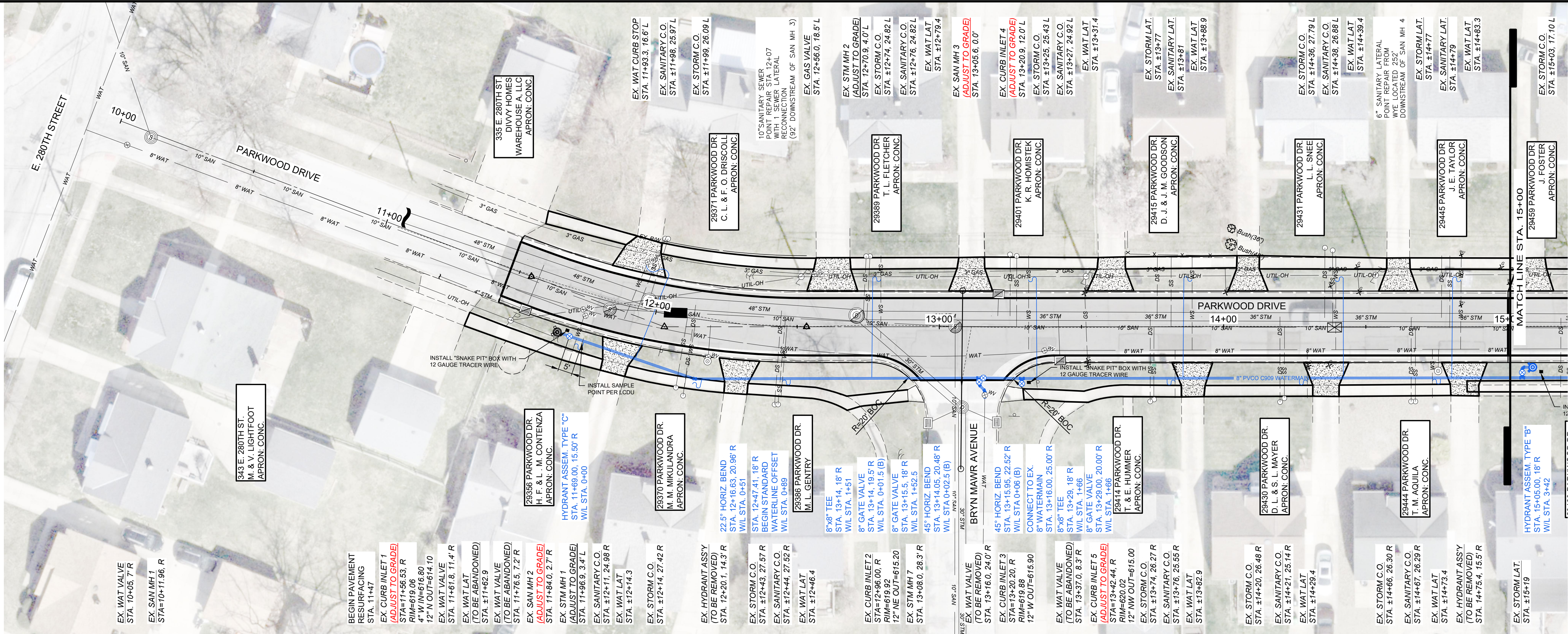
NO	REVISION	DATE
1	ADDENDUM - PER LAKE COUNTY DEPARTMENT OF UTILITIES COMMENTS	9/3/2025

CITY OF WICKLIFFE
**PARKWOOD DRIVE & KERRY
LANE WATERMAIN AND
PAVEMENT IMPROVEMENTS**
LAKE COUNTY, OHIO

ISSUED FOR:	DRAFT
ISSUE DATE:	9/9/2025
SCALE:	AS SHOWN
DESIGNED BY:	PJF
DRAWN BY:	CKW
CHECKED BY:	PJF

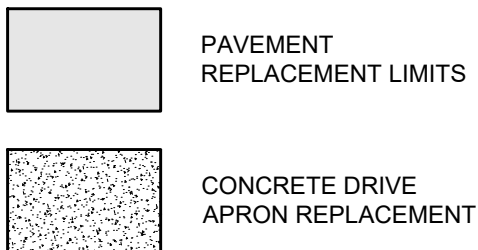
**KERRY LANE
PLAN & PROFILE**

PROJECT NO.	32252
DISCIPLINE	CIVIL
SHEET NAME	Plan K1
SHEET	OF
6A	18



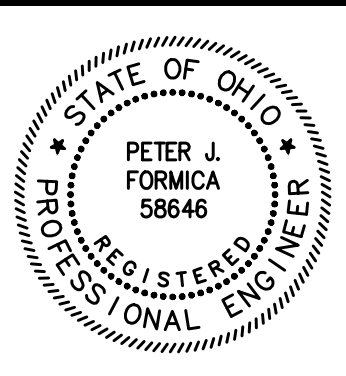
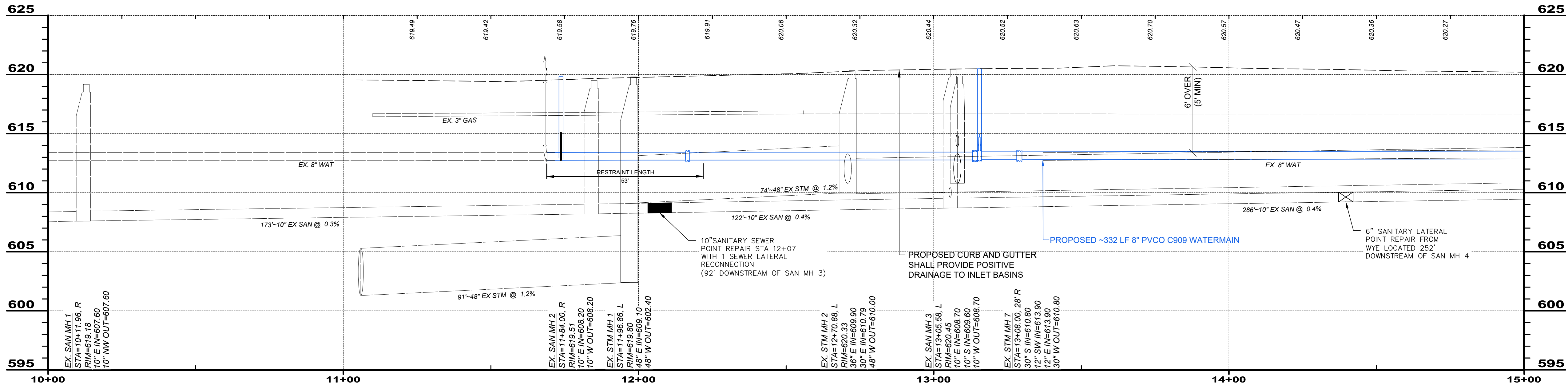
- NOTES:
- EXISTING WATER SERVICE CONNECTIONS ARE TO BE FIELD LOCATED.
 - CONTRACTOR SHALL ASSUME ONE GAS, WATER, SANITARY AND STORM CONNECTION EACH PER PARCEL.

LEGEND



NOTE:

LCDU SEQUENCE OF CONSTRUCTION SHALL INCLUDE FLUSH FROM BRYN MAWR FOR PARKWOOD



verdantas

NO	REVISION	DATE
1	ADDENDUM - PER LAKE COUNTY DEPARTMENT OF UTILITIES COMMENTS	9/3/2025

CITY OF WICKLIFFE

PARKWOOD DRIVE & KERRY LANE WATERMAIN AND PAVEMENT IMPROVEMENTS

LAKE COUNTY, OHIO

ISSUED FOR: DRAFT

ISSUE DATE: 9/9/2025

SCALE: AS SHOWN

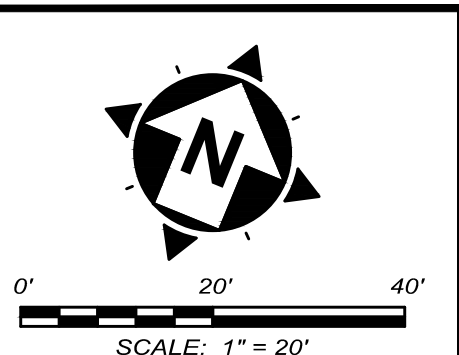
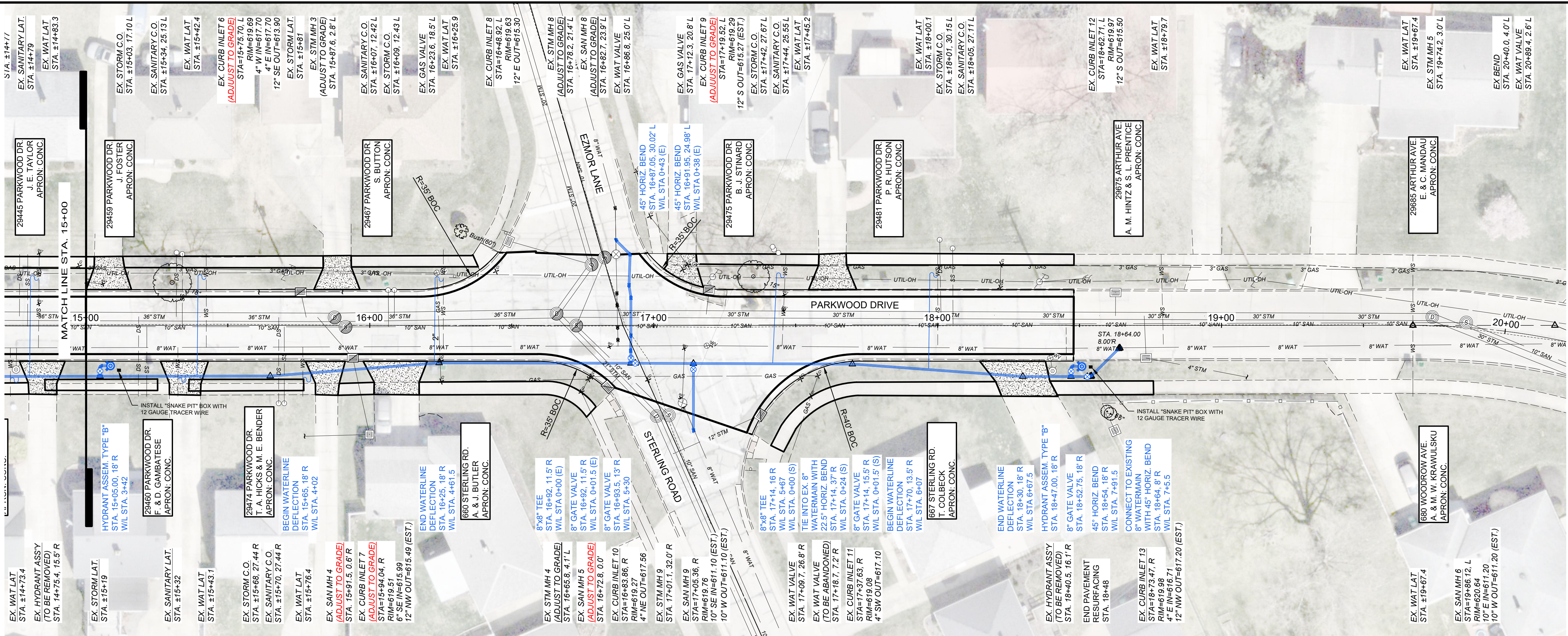
DESIGNED BY: PJF

DRAWN BY: CKW

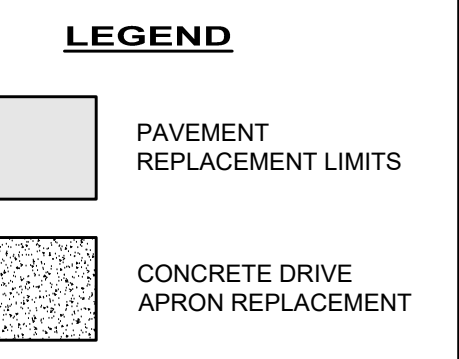
CHECKED BY: PJF

**PARKWOOD DRIVE
PLAN & PROFILE
STA 10+00 TO 15+00**

PROJECT NO.	32252
DISCIPLINE	CIVIL
SHEET NAME	Plan P1
SHEET	OF
7A	18

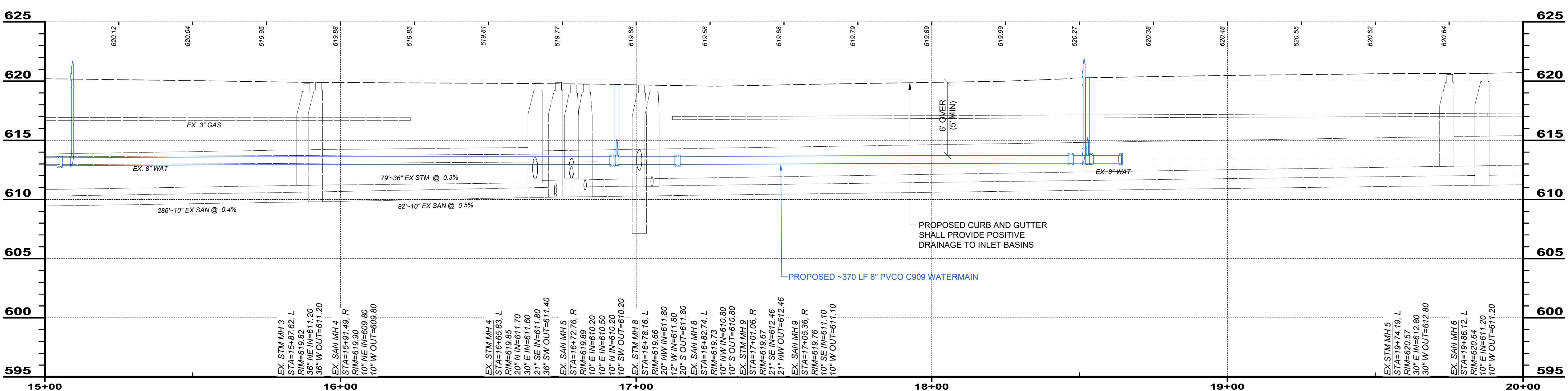


- NOTES:
- EXISTING WATER SERVICE CONNECTIONS ARE TO BE FIELD LOCATED.
 - CONTRACTOR SHALL ASSUME ONE GAS, WATER, SANITARY AND STORM CONNECTION EACH PER PARCEL.



NOTE:

LCDU SEQUENCE OF CONSTRUCTION: BUILD THE WATERMAIN TO THE BEND AT STA. 18+34, 18' RT. TEST THE MAIN THEN MAKE THE CONNECTION TO THE EXISTING MAIN.



NO	REVISION	DATE
1	ADDENDUM - PER LAKE COUNTY DEPARTMENT OF UTILITIES COMMENTS	9/3/2025

CITY OF WICKLIFFE

PARKWOOD DRIVE & KERRY LANE WATERMAIN AND PAVEMENT IMPROVEMENTS

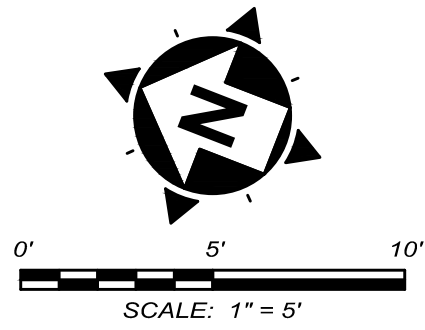
LAKE COUNTY, OHIO

ISSUED FOR:	DRAFT
ISSUE DATE:	9/9/2025
SCALE:	AS SHOWN
DESIGNED BY:	PJF
DRAWN BY:	CKW
CHECKED BY:	PJF

PARKWOOD DRIVE PLAN & PROFILE

STA 15+00 TO 20+00

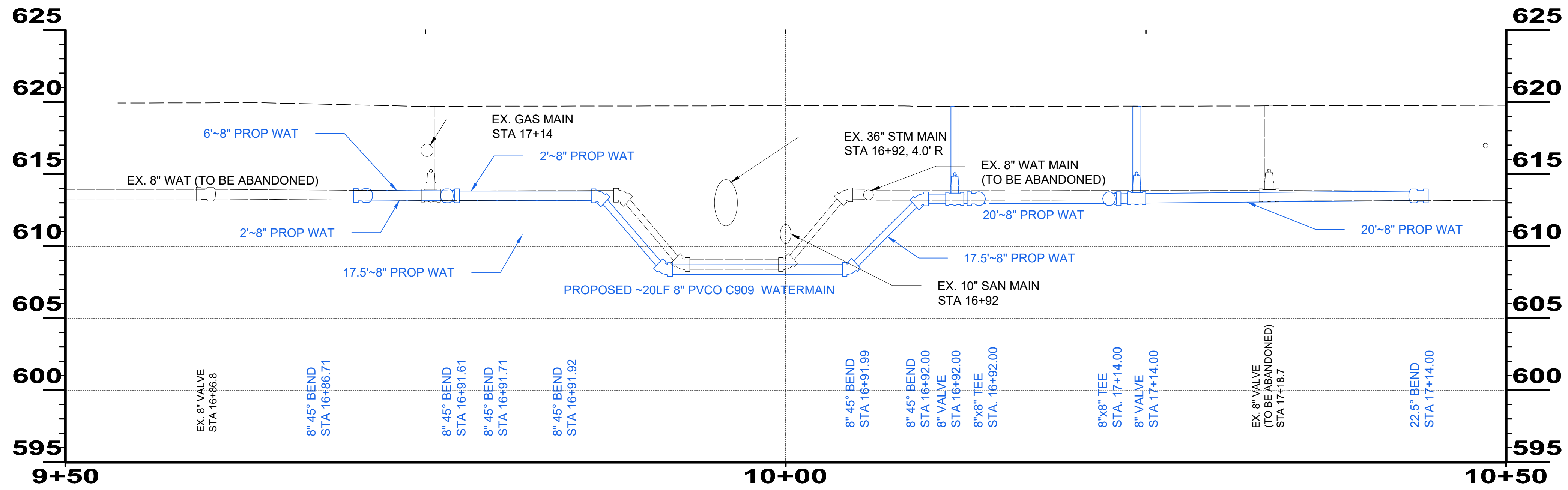
PROJECT NO.	
32252	
DISCIPLINE	
CIVIL	
SHEET NAME	
Plan P2	
SHEET	OF
8A	18



- NOTES:
- EXISTING WATER SERVICE CONNECTIONS ARE TO BE FIELD LOCATED.
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LEGEND

- PAVEMENT REPLACEMENT LIMITS
- CONCRETE DRIVE APRON REPLACEMENT



NO	REVISION	DATE
1	ADDENDUM - PER LAKE COUNTY DEPARTMENT OF UTILITIES COMMENTS	9/3/2025

CITY OF WICKLIFFE

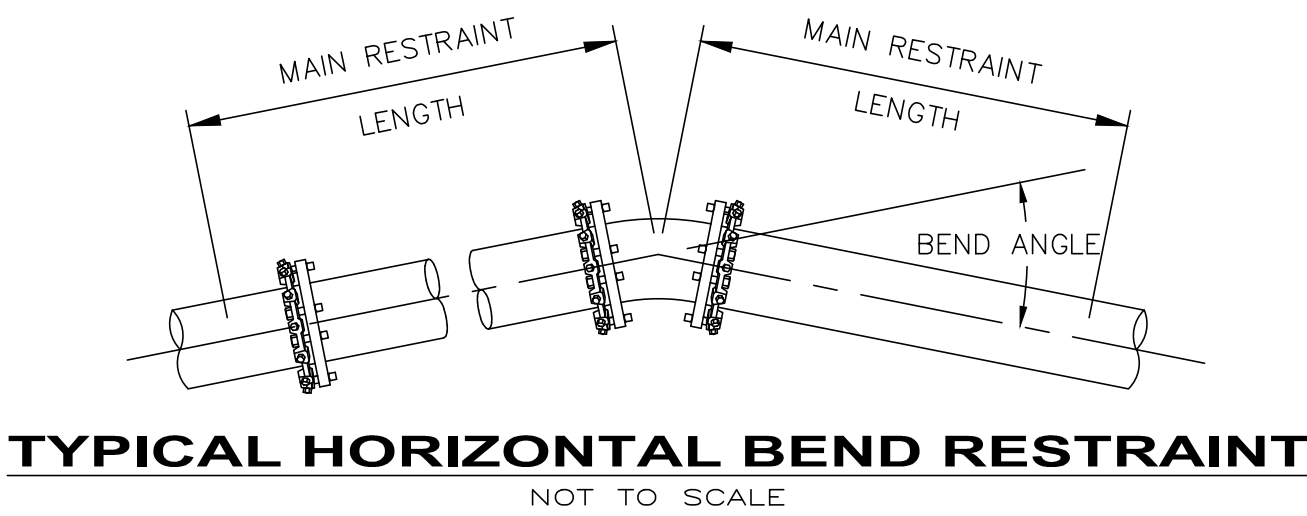
PARKWOOD DRIVE & KERRY LANE WATERMAIN AND PAVEMENT IMPROVEMENTS

LAKE COUNTY, OHIO

ISSUED FOR:	DRAFT
ISSUE DATE:	9/9/2025
SCALE:	AS SHOWN
DESIGNED BY:	PJF
DRAWN BY:	CKW
CHECKED BY:	PJF

EZMOR AND STERLING PLAN AND PROFILE

PROJECT NO.	32252
DISCIPLINE	CIVIL
SHEET NAME	Ezmor
SHEET	OF
10A	18



THRUST RESTRAINT TABLE FOR STANDARD FITTINGS			
FITTING	SIZE	MINIMUM MAIN RESTRAINT LENGTH	MINIMUM BRANCH RESTRAINT LENGTH
HORIZONTAL FITTINGS			
8" x 8" TEE		2'	45'
8" x 8" TEE		4'	38'
8" x 8" TEE		6'	31'
8" x 8" TEE		8'	24'
8" x 8" TEE		10'	16'
8" x 8" TEE		12'	9'
8" x 8" TEE		14'	2'
45° BEND	8"	10'	---
22.5° BEND	8"	5'	---
DEAD END	8"	53'	---
VERTICAL FITTINGS		UPPER	LOWER
45°	8"	22'	8'
22.5°	8"	11'	4'

