



To: All Plan Holders of Record

From: CT Consultants, Inc.  
For the Owner

**Re: *Addendum No. 2***  
***Southland Road Drainage System Improvements***  
***City of Mentor-on-the-Lake***

Date: November 11, 2024

This Addendum forms a part of the contract documents and modifies the original bidding documents dated October 2024 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, Pages BD.9 to BD.19, with the enclosed Prices to Include, Pages BD.9A to BD.19A.

### **BID FORMS**

**Replace** Bid Form, Pages BF.8 to BF.9, with the enclosed Bid Form, Pages BF.8A to BF.9A.

The Utility Company Coordination Allowance item has been deleted. Please see the attached CEI Utility Note. Poles do not require relocation but do require temporary pole support during construction.

### **PLANS**

**Replace** the Plan Set 1 to 14 with the attached 1 to 14 with Revisions on sheets 4, 5, 7, 8, 9, 10, 11, 12 and 13.

Hard copies will be mailed to all planholders.

TL/PB/LH:mep

Enclosures

H:\2021\210645\SPEC\Addenda\Addendum 02\Addendum 02.Doc

## PRICES TO INCLUDE

### PART 1 - GENERAL

Any work shown on the plans or required in the specifications but not paid for separately as a bid item shall be included in the cost of other bid items. The amount bid for each Bid Item shall include the following:

- 1.1 All labor, materials, tools, equipment, and transportation necessary for the proper execution of the work in accordance with the Contract Documents.
- 1.2 All assistance required by the Engineer to verify compliance with the Contract Documents, including measuring for final pay quantities.
- 1.3 Project coordination and scheduling.
- 1.4 Detailed breakdown of lump sum bid items as requested by the Engineer.
- 1.5 All provisions necessary to protect workmen, the general public, and property along the work in accordance with the Contract Documents.
- 1.6 Protection and/or replacement of existing property corner monuments.
- 1.7 Record drawings of the installed location of all underground electrical conduit, sewers, tees, wyes, laterals, etc.
- 1.8 Restoration, including resetting fencing, landscaping features, mailboxes, traffic signs, etc. disturbed by the work.
- 1.9 Materials testing.
- 1.10 Sanitary inspection fees to Lake County Department of Utilities
- 1.11 Reimbursement to Owner for costs of re-inspection or re-testing of any work not installed in compliance with the Contract Documents.
- 1.12 Coordination with First Energy (CEI) to schedule temporary support or bracing of overhead poles in the construction area.

### PART 2 - ITEMS

All work proposed by this contract shall be quantified and paid for in accordance with the pertinent O.D.O.T. specification except as specifically altered by other provisions of this contract.

#### 2.1 (SPC) PRECONSTRUCTION VIDEOTAPE DOCUMENTATION

##### Basis of Payment

The lump sum price shall include all costs associated with hiring a professional videographing firm to document in detail the existing conditions of the entire work area and potential disturbed areas and submitting a high quality USB flash drive with audio commentary and video log.

2.2 (SPC) BONDS AND INSURANCES, AS PER PLAN

Basis of Payment

A "Bonds and Insurances" item (including "Owner/Contractor Protective Policy," "All Risk Builder's Risk Insurance," and/or "Installation Floater Insurance," as required) has been included in the bid proposal. On the first pay estimate, the Owner will pay the invoice amount of the bonds and project insurance policies or the amount bid for this item whichever is less. Any difference between the amount dispersed on the first pay estimate and the bid amount for this item will be released on the final pay estimate.

2.3 (201) CLEARING AND GRUBBING

Method of Measurement

Measurement shall be in accordance with ODOT Item 201 Clearing and Grubbing.

Basis of Payment

Payment shall be made in accordance with ODOT Item 201 on a lump sum basis. The lump sum price shall include the removal of and brush as needed in the improvement areas and the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown.

2.4 (202) PAVEMENT REMOVED, AS PER PLAN

The work, method of construction and materials for removal of existing pavements within the roadway shall be in accordance with ODOT Item 202 with modifications shown on the improvement plans and detailed in the specifications.

Method of Measurement

The quantity to be paid shall be each square yard of pavement removed shall be the actual number removed in accordance with the contract drawings and with these specifications.

Basis of Payment

Payment shall be made in accordance with ODOT Item 202 for pavement removed for installation of the storm sewer. In location where structures are being removed and not replaced, the additional excavation area shall be backfilled according to the plan details and including in the price for this item.

2.5 (202) PAVEMENT REMOVED, AS PER PLAN (DRIVEWAYS)

The work, method of construction and materials for removal of existing driveway pavements shall be in accordance with ODOT Item 202 with modifications shown on the improvement plans and detailed in the specifications.

Method of Measurement

The quantity to be paid shall be each square yard of driveway pavement removed shall be the actual number removed in accordance with the contract drawings and with these specifications.

Basis of Payment

Payment shall be made in accordance with ODOT Item 202 for pavement removed for installation of the storm sewer. In location where structures are being removed and not replaced, the additional excavation area shall be backfilled according to the plan details and including in the price for this item.

2.6 (SPC) TEMPORARY SEDIMENT & EROSION CONTROL, AS PER PLAN

Basis of Payment

The lump sum price shall include installation, implementation and maintenance of all appropriate erosion control measures, any and all labor, equipment, and materials including but not limited to inlet protection, straw bales, concrete truck washout areas, silt fence, and temporary seeding to provide erosion control commensurate with the Contractor's means, methods, work schedule, and in accordance with specifications, if any.

2.7 (SPC) TYPE (A, C, F) PAVEMENT REPLACEMENT (ALL TYPES, AS PER PLAN)

Method of Measurement

The method of measurement shall be as per ODOT 253 as applicable with the exception that lengths used for calculation of each individual repair area shall not exceed the maximum pay length indicated on the drawings.

Basis of Payment

The basis of payment shall be as per ODOT 253 as applicable with the following additions:

For roadway pavement replacements, the cost of removal of existing pavement shall be included in this item. The unit price shall also include furnishing, installation, maintenance, removal, and disposal of temporary road materials or temporary pavement courses; preparation for permanent pavement courses; and any additional expenses for cold weather protection.

2.8 (254) PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN

Method of Measurement

Measurement shall be in accordance with ODOT Item 254 on a per square yard basis as defined by the plans.

### Basis of Payment

All grindings shall be disposed of by the contractor at a location designated by the Owner.

The unit price shall include the removal of all inlet basin grates, wrapping these grates with ODOT Type A filter fabric, and replacing with fabric in place prior to the start of any planing. The Contractor shall maintain this filtering system throughout the project and remove the filtering system within 72 hours after the surface course placement. The unit price shall include milling miscellaneous concrete pavement sections whether at the surface or within the planning depth. The unit price will also include the installation of a temporary apron wedge (ramp) as directed out of asphalt or asphalt millings for any apron lip more than 3" height after planing and must be maintained throughout the project to the satisfaction of the Engineer and Owner. All temporary wedges shall be removed prior to paving any course and reinstalled as needed.

## 2.9 (407) TACK COAT

### Method of Measurement

Measurement shall be in accordance with ODOT Item 407 Tack Coat.

### Basis of Payment

Payment shall be made in accordance with ODOT Item 407 on per gallon basis.

## 2.10 (441) ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, AS PER PLAN

The work, method of construction and materials for asphalt concrete surface course shall be in accordance with ODOT Item 448 with the following modifications:

- A. Compacted thickness shall be as detailed on the plans.
- B. All gutters, street castings and joints shall be sealed with an approved liquid bituminous material 4 inches in width and the cost is to be included with the bid item.
- C. Necessary butt or tapered edge joints and pavement saw cuts shall be considered incidental costs to be included in this bid item.
- D. Reclaimed or recycled material shall not be used. Only new materials shall be used.

### Method of Measurement

The measurement of asphalt concrete surface course of the thickness specified shall be the number of cubic yards of asphalt concrete surface course completed and accepted in place. The area for measurements will be as shown on the plans, or as otherwise directed in

writing by the Engineer. The plan quantities as adjusted for changes, errors and deviation in excess of allowable tolerances will be the method of measurement.

Basis of Payment

The accepted quantities of asphalt concrete surface course of the thickness specified shall be full compensation for furnishing and placing all materials, including sealing materials, pavement striping, and furnishing all labor, tools, appliances, equipment and all other appurtenances necessary to complete the work as specified or as shown; including feathering at drives as necessary and butt or taped edge joints and necessary pavement saw cuts.

2.11 (611) 6-INCH SANITARY SEWER LATERAL, AS PER PLAN

Method of Measurement

The quantity to be paid shall be the lineal footage of sanitary sewer laterals adjusted and replaced. This item is included as contingency and should only be used as directed.

Basis of Payment

The unit price shall be irrespective of the depth of pipe, size of existing lateral or main and whether one or both of the connections are on the long side or short side of the main to R/W and shall include horizontal and vertical surveying and layout; locating the existing service connection alignment, main connection location and test tee location; field location, exploratory excavation, and verification of existing utilities prior to excavation; clearing and/or protection of existing trees or vegetation to be saved; protection and/or replacement of all existing utilities; earth and/or rock excavation; sheeting; shoring; disposal of undesirable and excess material; all pumping required for adequate handling of flow bypassing, underground water and/or surface water; bedding; the furnishing and laying of pipe; specials; bends; tees; fittings; tri-band couplings (w/center shear band); adapters; o-rings; plugs; stoppers; sanitary and storm test tee/clean out assemblies and trap (most storm sewer laterals); bulkheads; jointing material; compaction of backfill material; replacement of poles, posts, signs, mailboxes, paper boxes, fences, landscape timbers, guardrail, sign wiring, fixtures, or other appurtenances; site cleanup; and the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown.

2.12 (611) 6-INCH STORM SEWER, AS PER PLAN

Method of Measurement

The quantity to be paid shall be the lineal footage of sanitary sewer laterals adjusted and replaced. This item is included as contingency and should only be used as directed.

Basis of Payment

The unit price shall be irrespective of the depth of pipe, size of existing lateral or main and whether one or both of the connections are on the long side or short side of the main to

R/W and shall include horizontal and vertical surveying and layout; locating the existing service connection alignment, main connection location and test tee location; field location, exploratory excavation, and verification of existing utilities prior to excavation; clearing and/or protection of existing trees or vegetation to be saved; protection and/or replacement of all existing utilities; earth and/or rock excavation; sheeting; shoring; disposal of undesirable and excess material; all pumping required for adequate handling of flow bypassing, underground water and/or surface water; bedding; the furnishing and laying of pipe; specials; bends; tees; fittings; tri-band couplings (w/center shear band); adapters; o-rings; plugs; stoppers; sanitary and storm test tee/clean out assemblies and trap (most storm sewer laterals); bulkheads; jointing material; compaction of backfill material; replacement of poles, posts, signs, mailboxes, paper boxes, fences, landscape timbers, guardrail, sign wiring, fixtures, or other appurtenances; site cleanup; and the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown.

2.13 (611) STORM SEWER (8", 12", 15",18"), AS PER PLAN

Method of Measurement

The quantity to be paid shall be the number of linear feet installed per the plans and specifications measured by the plan difference in horizontal distance between centerlines of manholes and/or inlets; centerline of mainline pipe for transverse sewers or laterals; ends of laterals; between ends of culvert pipe or faces of headwalls. Any increase in installed length due to change in length of pipe or location of structures not directed by the Engineer shall not be measured for payment.

Basis of Payment

The unit price shall be irrespective of the depth of pipe and if not called out as a separate pay item shall include the furnishing and laying of pipe; field location, exploratory excavation, and verification of existing utilities prior to laying conduit; earth and/or rock excavation; sheeting; shoring; disposal of undesirable and excess material; all pumping required for adequate handling of flow bypassing, underground water and/or surface water; bedding; compacted backfill material; setup, light cleaning of the sewer using sewer jet, hydraulically powered equipment, or mechanically powered equipment, hauling water for cleaning, sewer flow control and televising of the installed sewer; Owner's costs related to re-inspection or re-testing of failed or re-compacted backfill material; specials; bends; tees; fittings; plugs; stoppers; cleanouts; bulkheads; jointing material; protection of existing trees or vegetation to be saved; protection and/or replacement of all existing utilities; connection to existing conduit or structures; internal videotaping; Owner's costs related to re-inspection or re-testing of pipe failing internal videotaping; removal and replacement of poles, posts, signs, mailboxes, paper boxes, fences, landscape timbers, guardrails, sign wiring, fixtures, or other appurtenances; surface grading; temporary pavement; and the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown.

2.14 (611) CONDUIT, MISC.: CONNECTION OF CONDUIT TO EXISTING DRAINAGE STRUCTURE

Method of Measurement

The quantity to be paid shall be for each connection of existing sewer to existing or proposed drainage structure per the plans and specifications.

Basis of Payment

The unit price for the various connections of existing sewers to existing or proposed structures shall be irrespective of pipe size and depth. The unit price shall include coring, furnishing and connecting, the pipe, pipe adapters and/or couplings, field coring or cutting existing and proposed catch basins, fittings, bedding, backfilling, jointing material, bulkheads, concrete collars, rechanneling of the existing manhole invert as needed, removal and disposal of existing pipes and debris, and pumping required for adequate handling of flow bypassing. Payment shall include work involved for the contractor to inspect each connection location to determine existing pipe type, size and inverts at drainage structure locations. The unit price shall also include this location work to be completed prior to ordering structures, pipe and fernco couplings for various pipe type at no additional cost to the owner.

2.15 (611) CATCH BASIN (ALL SIZES AND TYPES)

Method of Measurement

The method of measurement shall be the number of each catch basin installed.

Basis of Payment

The unit price shall be irrespective of the depth of catch basin and if not called out as a separate pay item shall include the furnishing and of setting catch basins and castings; field location; exploratory excavation, and verification of existing utilities prior to installing catch basins; earth and/or rock excavation; sheeting; shoring; disposal of undesirable and excess material all pumping required for adequate handling of flow bypassing, underground water and/or surface water; bedding; compacted granular backfill; compacted backfill material; specials; bends; tees; fittings; riser pipe; jointing material; coring of existing sewers; protection of existing trees or vegetation to be saved; protection and/or replacement of all existing utilities; removal and replacement of poles, posts, signs, mailboxes, paper boxes, fences, landscape timbers, guardrails, sign wiring, fixtures, or other appurtenances; temporary pavement; and the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown.



2.16 INLET, DITCH, AS PER PLAN

Method of Measurements

The method of measurement shall be the number of each 18-inch drain basin, prefabricated, engineered PVC drainage structure installed.

Basis of Payment

The unit price shall be irrespective of the depth of drain basin and if not called out as a separate pay item shall include the furnishing and of setting drain basins and castings; field location; exploratory excavation, and verification of existing utilities prior to installing drain basins; earth and/or rock excavation; sheeting; shoring; disposal of undesirable and excess material all pumping required for adequate handling of flow bypassing, underground water and/or surface water; bedding; compacted granular backfill; compacted backfill material; specials; bends; tees; fittings; riser pipe; jointing material; coring of existing sewers; protection of existing trees or vegetation to be saved; protection and/or replacement of all existing utilities; removal and replacement of poles, posts, signs, mailboxes, paper boxes, fences, landscape timbers, guardrails, sign wiring, fixtures, or other appurtenances; temporary pavement; and the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown.

2.17 (611) MANHOLE ADJUSTED TO GRADE

The work, method of construction and materials for various street castings adjusted to grade shall be in accordance with ODOT Item 611 with the following modifications:

- A. Metal adjusting rings or castings shall not be used. Existing risers shall be removed during the casting adjustment.
- B. Brick used shall be clay or shale brick meeting the requirements of ASTM C32 sewer brick, Grade SM.
- C. Concrete brick or masonry block shall not be used.
- D. The height limitation for additional compensation shall be revised from one (1) foot to two (2) feet.
- E. Type QC MS concrete shall be used for fill around all castings.
- F. New frame and covers shall be provided.

Method of Measurement

The quantity to be paid for of each manhole adjusted to grade to be paid for shall be the actual number adjusted to grade in accordance with the contract, contract drawings and these specifications. Adjusting to grade of items proposed for new or replaced

construction as part of the project will not be measured and shall be paid for in the cost of installation of that item.

Basis of Payment

Structures shall be adjusted in accordance with ODOT 611.10 method D.1. Payment shall be made in accordance with ODOT Item 611 and shall also include rebuilding of the top 12 inches of masonry on each structure. Also included are the sawcutting and the removal of all spoil materials.

2.18 (614) MAINTAINING TRAFFIC, AS PER PLAN

The work, method of construction and materials for maintaining traffic shall be in accordance with ODOT Item 614 and the Ohio Manual of Uniform Traffic Control Devices (OMUTCD).

Basis of Payment

The lump sum price shall include all costs for labor, materials, tools and appurtenances necessary to complete the work as specified. Payment shall be made progressively throughout the contract period in proportion to the percentage of work complete or as otherwise approved by the Engineer.

2.19 (623) CONSTRUCTION LAYOUT STAKES AND SURVEYING

The work, method of construction and materials for construction layout stakes and surveying shall be in accordance with ODOT Item 623.

Basis of Payment

The lump sum price stipulated for construction layout stakes and surveying shall include all costs for labor, materials, tools and appurtenances necessary to complete the work as specified. Payment shall be made progressively throughout the contract period in proportion to the percentage of work complete or as otherwise approved by the Engineer.

2.20 (624) MOBILIZATION

Basis of Payment

The lump sum (LS) price shall include all labor to transfer all equipment, materials, personnel, storage area, sanitary facilities, and incidentals to the project site as required to complete the project plans and specifications.

2.21 TRAFFIC PAINT, AS PER PLAN

Basis of Payment

The lump sum (LS) price shall include all labor to replace traffic crossing paint at intersections indicated in plan. Materials for traffic paint shall be in accordance with ODOT Item 642.

2.22 LAWN RESTORATION, AS PER PLAN

Method of Measurement

The quantity to be paid shall be the LUMP SUM constructed by the plan intent, details and specifications.

Basis of Payment

The Lump sum price for restoration shall include the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown. This includes placement of topsoil, testing of topsoil, finish grading, seed, fertilizers, lime, water, maintenance, mowing, and all else necessary to establish a grass turf over all disturbed areas to be grassed. Lump Sum price shall also include reinstatement or replacement of all landscaped features, landscape beds, driveway edging pavers, and split rail fencing to equal or better condition than the prior condition before commencement of work.

2.23 LINEAR GRADING, AS PER PLAN

Method of Measurement

The quantity to be paid shall be the LUMP SUM constructed per the plan intent, details and specifications.

Basis of Payment

The lump sum price for grading shall include the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown. The plan intent is to provide positive drainage to the installed yard drains. Grading shall account for the required topsoil depth and established grass growth. This includes placement of topsoil, testing of topsoil, finish grading, seed, fertilizers, lime, water, maintenance, mowing, and all else necessary to establish a grass turf over all disturbed areas to be grassed. Basins may be adjusted to fit field conditions and final grading by contractor. Price shall also include any removal of existing bricks lining existing ditch bottoms like 7765 Southland and 7759 Southland Road. Bricks shall be removed and stored on residents' property at their discretion.

## 2.24 CONTINGENCY/DISCRETIONARY ALLOWANCE

Contingency/Discretionary Allowances has been included in the Bid Proposal to be utilized as directed by the Engineer for unscheduled work items not included on the proposal forms or other changes in the work. The contingency allowance or portions thereof shall only be released upon execution of approved Change Orders or as approved by the Engineer. Any portion of the allowance not utilized shall be credited to the Owner.

**Proposal to City of Mentor on the Lake  
For Mentor-on-the-Lake Southland Road Drainage System Improvements**

**Project No. 210645**

<b>REF. NO.</b>	<b>DESCRIPTION</b>	<b>QTY.</b>	<b>MEASURE UNITS</b>	<b>UNIT PRICE LABOR</b>	<b>UNIT PRICE MATERIAL</b>	<b>TOTAL UNIT PRICE</b>	<b>ITEM TOTAL</b>
1	PRECONSTRUCTION VIDEO DOCUMENTATION	1.00	LS	\$	\$	\$	\$
2	BONDS AND INSURANCES, AS PER PLAN	1.00	LS	\$	\$	\$	\$
3	CLEARING AND GRUBBING	1.00	LS	\$	\$	\$	\$
4	SPECIAL - TREE REMOVED, 4"-12"	1.00	EACH	\$	\$	\$	\$
5	SPECIAL - TREE REMOVED, GREATER THAN 12"	4.00	EACH	\$	\$	\$	\$
6	PAVEMENT REMOVED, AS PER PLAN	370.00	SY	\$	\$	\$	\$
7	PAVEMENT REMOVED, AS PER PLAN (DRIVEWAYS)	1,470.00	SY	\$	\$	\$	\$
8	PIPE REMOVED, 24 INCH AND UNDER	4,330.00	FT	\$	\$	\$	\$
9	CATCH BASIN REMOVED	8.00	EACH	\$	\$	\$	\$
10	LINEAR GRADING, AS PER PLAN	3,600.00	FT	\$	\$	\$	\$
11	PAVEMENT REPAIR, AS PER PLAN	55.00	CY	\$	\$	\$	\$
12	TYPE "A" PAVEMENT REPLACEMENT (CONCRETE), DRIVEWAY, APRON, OR PARKING LOT, AS PER PLAN	310.00	SY	\$	\$	\$	\$
13	TYPE "C" PAVEMENT REPLACEMENT (ASPHALT), ROADWAY, AS PER PLAN	760.00	SY	\$	\$	\$	\$
14	TYPE "C" PAVEMENT REPLACEMENT (ASPHALT), DRIVEWAY, APRON, OR PARKING LOT, AS PER PLAN	420.00	SY	\$	\$	\$	\$
15	TYPE "F" PAVEMENT REPLACEMENT (STONE), DRIVEWAY, APRON, OR PARKING LOT, AS PER PLAN	740.00	SY	\$	\$	\$	\$
16	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN	6,450.00	SY	\$	\$	\$	\$
17	TACK COAT	645.00	GAL	\$	\$	\$	\$
18	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	275.00	CY	\$	\$	\$	\$
19	6 INCH SANITARY SEWER LATERAL, AS PER PLAN	200.00	FT	\$	\$	\$	\$
20	6 INCH STORM SEWER, AS PER PLAN	200.00	FT	\$	\$	\$	\$
21	8" STORM SEWER, AS PER PLAN	1,250.00	FT	\$	\$	\$	\$
22	12" STORM SEWER, AS PER PLAN	2,250.00	FT	\$	\$	\$	\$

**Proposal to City of Mentor on the Lake  
For Mentor-on-the-Lake Southland Road Drainage System Improvements**

**Project No. 210645**

<b>REF. NO.</b>	<b>DESCRIPTION</b>	<b>QTY.</b>	<b>MEASURE UNITS</b>	<b>UNIT PRICE LABOR</b>	<b>UNIT PRICE MATERIAL</b>	<b>TOTAL UNIT PRICE</b>	<b>ITEM TOTAL</b>
23	15" STORM SEWER, AS PER PLAN	870.00	FT	\$	\$	\$	\$
24	18" STORM SEWER, AS PER PLAN	50.00	FT	\$	\$	\$	\$
25	CONDUIT, MISC.: CONNECTION OF CONDUIT TO EXISTING DRAINAGE STRUCTURE	3.00	EACH	\$	\$	\$	\$
26	CATCH BASIN, NO. 2-2B	21.00	EACH	\$	\$	\$	\$
27	CATCH BASIN, NO. 2-2C	7.00	EACH	\$	\$	\$	\$
28	INLET, DITCH, AS PER PLAN	69.00	EACH	\$	\$	\$	\$
29	MANHOLE ADJUSTED TO GRADE	6.00	EACH	\$	\$	\$	\$
30	MAINTAINING TRAFFIC, AS PER PLAN	1.00	LS	\$	\$	\$	\$
31	CONSTRUCTION LAYOUT STAKES AND SURVEYING	1.00	LS	\$	\$	\$	\$
32	MOBILIZATION	1.00	LS	\$	\$	\$	\$
33	TRAFFIC PAINT, AS PER PLAN	1.00	LS	\$	\$	\$	\$
34	LAWN RESTORATION, AS PER PLAN	1.00	LS	\$	\$	\$	\$
35	TEMPORARY SEDIMENT AND EROSION CONTROL, AS PER PLAN	1.00	LS	\$	\$	\$	\$
36	CONTINGENCY/DISCRETIONARY ALLOWANCE	1.00	LS	\$ -----	\$ -----	\$ 89,000.00	\$ 89,000.00
<b>INFORMAL TOTAL BID</b>							<b>\$</b>



**Northern Region Engineering Services Utility Note**  
**Project Response for Southland Rd Storm**  
 Reference Illuminating Company File – WR # nnnnnnnn

11-4-24

Attention: Patrick Blake

The following information indicates the Illuminating Company's findings after examining the information previously received by the Illuminating Company on 11-1-24 for the mentioned project.

- 1. The Illuminating Company has no facilities in conflict on this project.
- 2. The Illuminating Company has facilities in conflict and will be required to modify them.
- 3. Based upon plans or information received, it is not clear that modifying our facilities is necessary. Please provide the additional information requested below.
- 4. The Illuminating Company has facilities very close to, or in conflict with the proposed design and may need to modify them. Redesign or use extreme caution during installation.

**I. WOOD-POLE AERIAL *DISTRIBUTION* FACILITIES**

<b>Street</b>	<b>Current location</b>	<b>Pole #</b>	<b>Conflict</b>
Southland	10+40, RT	227604D74644	pole is 2' from 6' deep excavation for 15" storm
Southland	11+30, RT	281660	pole is 2' from 6' deep excavation for 15" storm
Southland	15+83, RT	399781	pole is 2' from 5' deep excavation for 12" storm
Southland	17+09, RT	399782	pole is 1' from 4' deep excavation for 12" storm
Southland	18+30, RT	399783	pole is 1' from 4' deep excavation for 12" storm
Southland	35+93, RT	399980	pole is 1' from 6' deep excavation for 12" storm
Southland	37+19, RT	399979	pole is 1' from 5' deep excavation for 12" storm
Southland	38+45, RT	399978	pole is 1' from 5' deep excavation for 12" storm
Southland	39+62, RT	399080	pole is 1' from 6' deep excavation for 12" storm
Southland	41+21, RT	399079	pole is 1' from 6' deep excavation for 12" storm

The city is responsible for removing all trees and shrubbery within 12' of relocated poles, wires and guys. The city is responsible for obtaining easements or additional ROW, if required, for poles, wires and guys that fall outside of the ROW.

If modifications or de-energizing of Illuminating Co. facilities are required to permit construction activities, be advised the current line shop lead time is 16 weeks + engineering, unless new metered service. Provide written notice for any work to proceed.

Non-Illuminating Co. personnel are not permitted to hold or brace poles. For this service, create an order by calling 800-589-3101. The CEI line shop will contact the contractor to schedule the work.

De-energizing may or may not be possible. Proposed CEI conflict resolution details and estimates are preliminary and are subject to change.

## II. BELOW-GRADE ELECTRIC *DISTRIBUTION* FACILITIES

No conflicts.

Please forward revised drawings to my attention @ 6896 Miller Rd., Brecksville, Ohio 44141 as they are available for further review. **Notify the Illuminating Co. of any changes to the construction start date.**

### De-energizing

Illuminating Company High-Voltage Transmission and Distribution (T&D) lines can not readily or easily be de-energized. They operate under strict Federally-Mandated oversight. De-energizing is a lengthy, costly process, and all other options must be exhausted prior to considering de-energizing High-Voltage T&D lines. Permission to de-energize may be withheld depending on many factors, including but not limited to: ambient temperature, customer load, possible weather events, and many other contingencies. Further, if de-energizing is ultimately allowed, the High-Voltage T&D lines must remain in a condition that they can be "restored" to service in an emergency. Therefore, any personnel, tools, equipment and all appurtenances must be in a position and condition to move/reposition (within two-hours of notice) into a safe, OSHA-acceptable distance from the High-Voltage T&D lines, and the High-Voltage T&D lines must be considered as energized while steps are taken to re-energize the High-Voltage T&D lines.

### Site Preparation

Prior to the Illuminating Company commencing work on aerial or underground facilities in support of roadway, sanitary, storm or water line projects, all clearing, grubbing, necessary forestry (tree/bush trimming) in the Public Right of way is to be completed by others. Final grade shall be established prior to the Illuminating Company installing or relocating underground electric distribution facilities. Also, the project construction limits are to be surveyed and staked by the requesting engineering consulting firm or by the municipality in order ensure the Illuminating Company is properly locating aerial facilities in the public right of way and within the construction limits.

### Relocation Costs

Relocation costs that are determined to be compensable, such as, sanitary sewer projects, water lines and other compensable rights or where the relocation of our overhead facilities is only caused by the installation of sidewalks, shall be invoiced by the Illuminating Company per our standard Aid to Construction form. Payment shall be received in advance of work commencing. Estimates are only valid for 30 days and will be re-estimated to provide current estimated costs should approvals be extended beyond the 30 days.

### Field Condition Conflicts

In the event additional conflicts are identified which are not part of the Project 4A Note/Project Response Form, due to field conditions, the Illuminating Company shall be notified immediately, both verbally and in writing by the authorized agent for the project. The Illuminating Company, along with the contractor and authorized agent for the project, shall resolve the field conflicts and determine if there are associated compensable costs. The Illuminating Company will not accept contractor delay costs that the Company has not had opportunity to dispute or resolve.

### Work Week

The Illuminating Company's workweek is comprised of 5 days per week, 8 hours per day, Monday through Friday. Any overtime costs incurred, as a result of contractor project escalation or requests from ODOT, Cuyahoga County or other project administering agencies shall be billed directly to the contractor. Authorization for payment for the requested overtime shall be received in advance of the overtime being worked.

### OSHA Clearances

For the purposes of 29 CFR 1926 Subpart CC, the electric distribution facilities are energized at less than 50,000-Volts. All contractors/owners must know & comply with Occupational Safety Health Administration (OSHA) safe-working clearances between persons or any conductive object and energized bare wires.



**Manholes**

The Illuminating Company denies permission to any contractor or other utility to remove Illuminating Company manhole castings, cut down Illuminating Company manhole necks, and to temporarily plate over project-created Illuminating Company manhole roof openings. This practice often results in construction debris falling into manholes, thus damaging energized circuits. Under any circumstances if project construction debris is found in Illuminating Company manholes on the subject project, the Illuminating Company shall charge the responsible party for the required clean out. In the event circuitry is damaged as a direct result of project construction debris, the Illuminating Company shall also file a claim, and pursue reimbursement for the damage. It is the Project General Contractor responsibility to notify the Illuminating Company in advance of any existing debris found in Illuminating Company manholes.

**Customer Owned Facilities**

Customer-owned secondary cables/wire and equipment, including underground, that requires relocation caused by a public works project is not the responsibility of The Illuminating Company. The management, coordination and relocation cost for customer owned facilities generally is the responsibility of the requesting agency. Examples are service to signs, traffic signals, telecom controls, businesses, residences, highway lighting, etc.

**Schedule Delay**

In the event of a major storm in our service territory, the Illuminating Company's priority becomes the safety of the general public and employees. Efforts are directed to the safe and timely restoration of electrical service to our customers which may affect the projects overall schedule.

The Illuminating Company



John Zassick  
Sr. Proj. Management Specialist  
Northern Region Engineering Services

CC file

# CITY OF MENTOR-ON-THE-LAKE

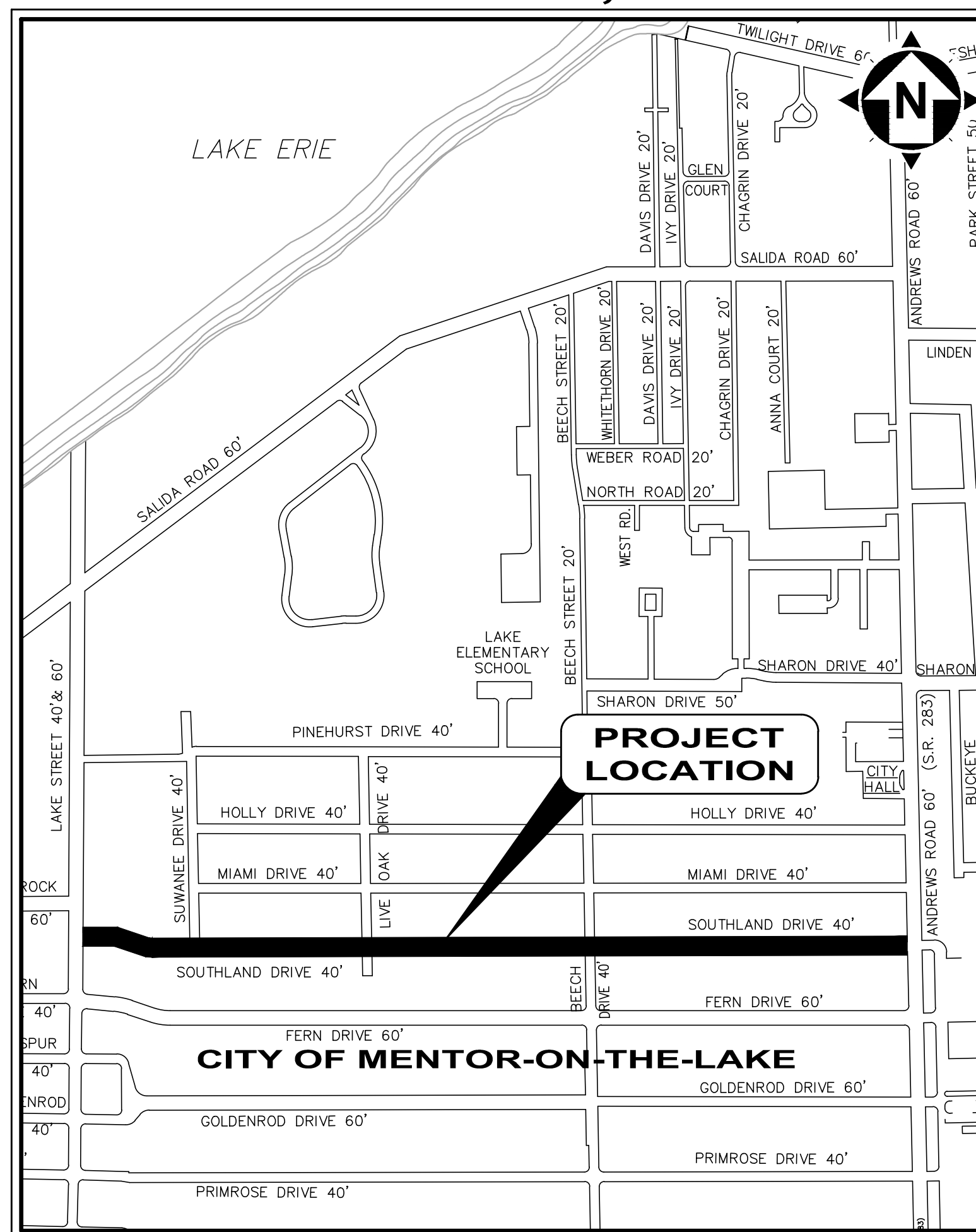
# SOUTHLAND ROAD DRAINAGE SYSTEM IMPROVEMENTS

## LAKE COUNTY, OHIO

## OPWC PROJECT No. CG31AB / CG32AB

NOVEMBER, 2024

INDEX OF SHEETS	
SHEET TITLE	SHEET NUMBER
C_210645 - COVER - C-01	01
C_210645 - DETAILS - D-1	02
C_210645 - DETAILS - D-2	03
C_210645 - DETAILS - D-3	04
C_210645 - GENERAL NOTES - GN-1	05
C_210645 - MAINT OF TRAFFIC - MOT-1	06
C_210645 - PLAN & PROFILE - PP-1	07
C_210645 - PLAN & PROFILE - PP-2	08
C_210645 - PLAN & PROFILE - PP-3	09
C_210645 - PLAN & PROFILE - PP-4	10
C_210645 - PLAN & PROFILE - PP-5	11
C_210645 - PLAN & PROFILE - PP-6	12
C_210645 - PLAN & PROFILE - PP-7	13
C_210645 - SURVEY CONTROL - SC-1	14



**LOCATION MAP**  
NOT TO SCALE

**ADMINISTRATION:**

DAVID EWA.....MAYOR  
 JACLYN MARTIN.....ADMINISTRATIVE DIRECTOR  
 JIM TUROSKY.....SERVICE DEPARTMENT  
 JAMES M. LYONS.....LAW DIRECTOR  
 TIM LANNON.....CITY ENGINEER

**CITY COUNCIL:**

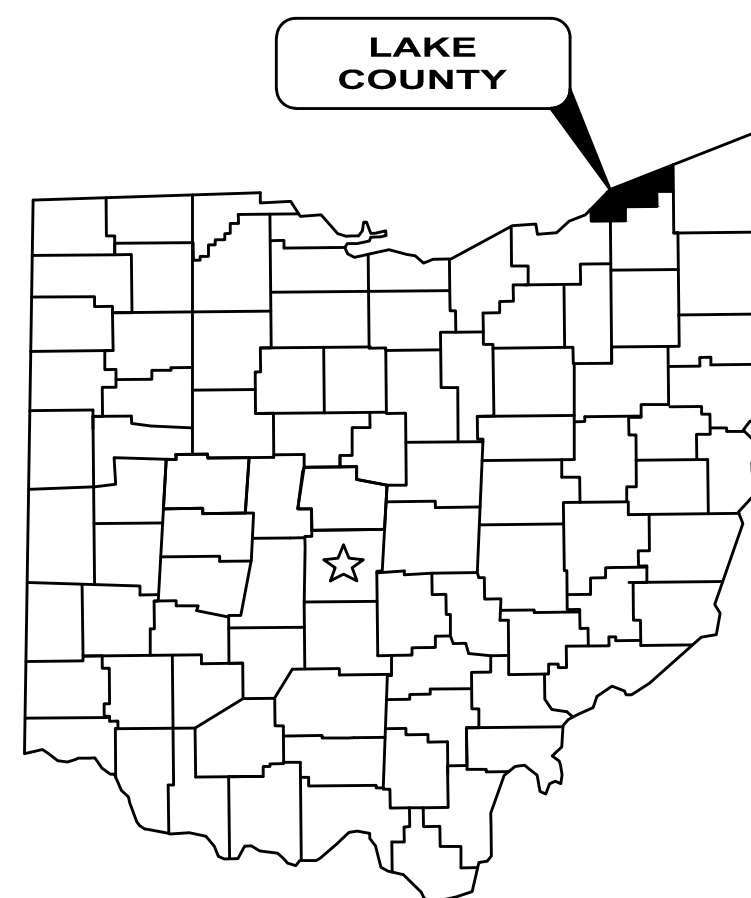
DESIREA THOMPSON, COUNCIL VICE PRESIDENT, WARD 4  
 JIM LUNDER, COUNCIL-AT-LARGE  
 VIRGINIA JEANNIE WONG, WARD 1  
 SKIP GRAY, WARD 2  
 ROBERT JOHNSON, WARD 3  
 MICHELLE MOORE, COUNCIL-AT-LARGE  
 KEVIN BITTNER, COUNCIL-AT-LARGE  
 TAYLOR CONNER, COUNCIL CLERK



**1-800-362-2764**

CALL TWO WORKING DAYS BEFORE YOU DIG  
(NON MEMBERS MUST BE CALLED DIRECTLY)

- OUPS confirmation for Ticket B127701290-00B
- OUPS confirmation for Ticket B127701341-00B
- OUPS confirmation for Ticket B127701355-00B
- OUPS confirmation for Ticket B127701370-00B
- OUPS confirmation for Ticket B127701407-00B
- OUPS confirmation for Ticket B128101960-00B



1. THE SURVEY SHOWN ON THESE PLANS WAS OBSERVED IN THE FIELD FOR CONSTRUCTION PURPOSES ONLY AND MAY NOT BE SUITABLE FOR PROPERTY LINE SURVEYS OR ANY OTHER PURPOSE.  
 2. UNDERGROUND BUILDING SERVICE UTILITY LINES ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, MAINTAINING AND REPLACING AS NECESSARY TO ENSURE CONTINUAL SERVICE TO BUILDINGS.  
 3. THE CONTRACTOR IS RESPONSIBLE TO CALL OHIO UTILITIES PROTECTION SERVICE @ 1-800-362-2764, THREE WORKING DAYS PRIOR TO CONSTRUCTION.



**ENGINEER'S PROJECT No. 210645**

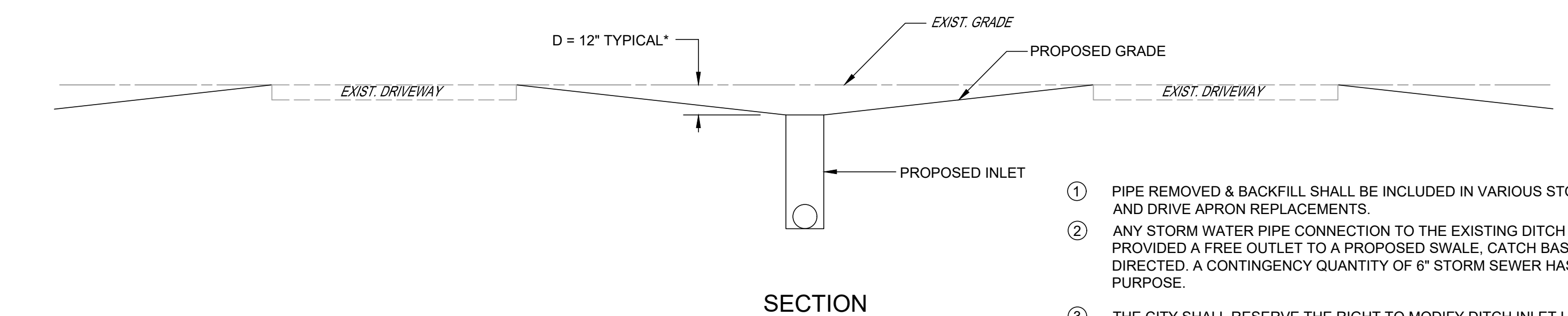
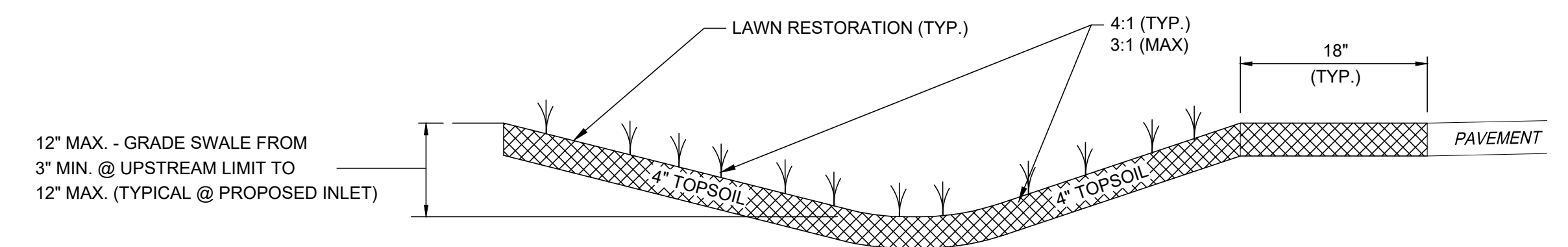
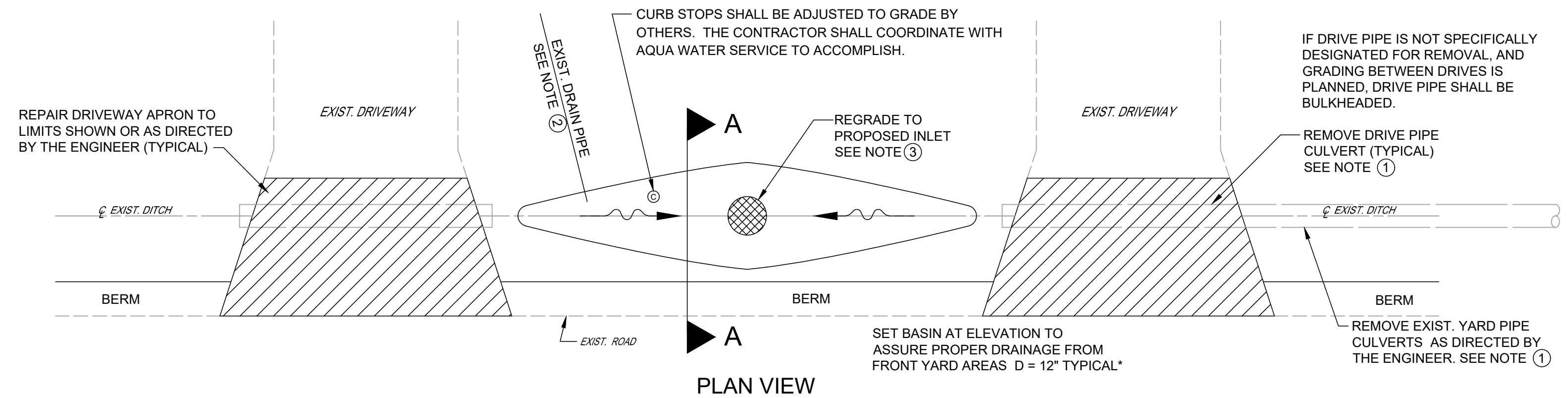
*Tim*



TIMOTHY R. LANNON

P.E. No. 58885

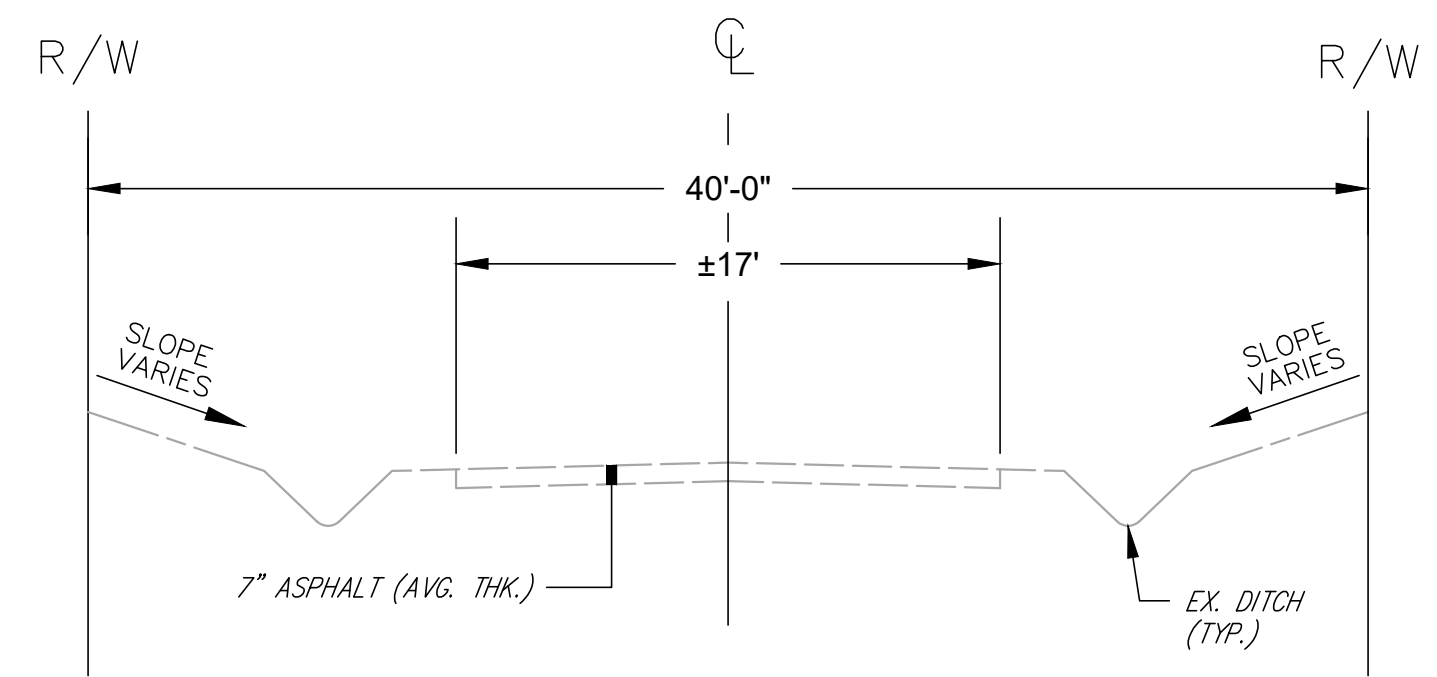
11/11/2024  
DATE



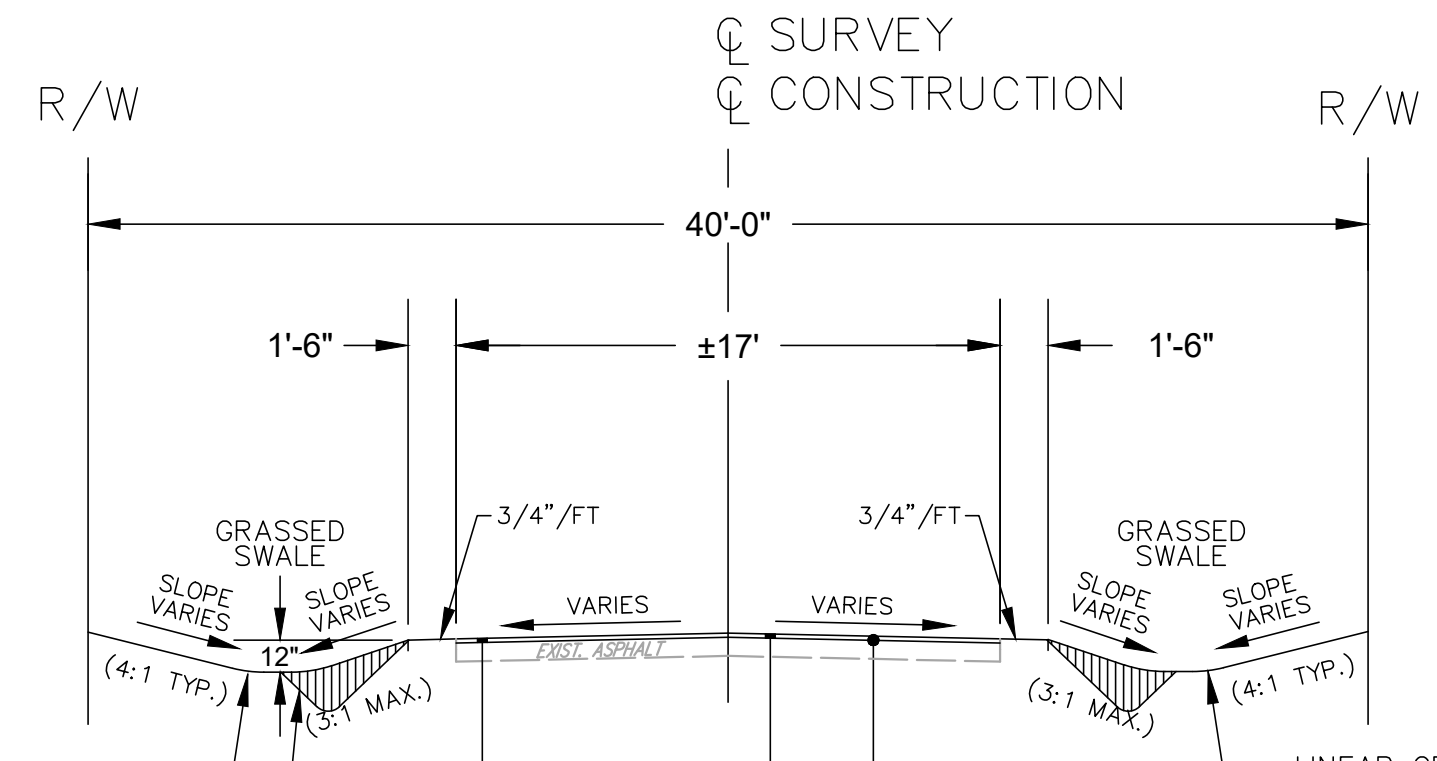
**LINEAR GRADING DETAILS**  
N.T.S.

- ① PIPE REMOVED & BACKFILL SHALL BE INCLUDED IN VARIOUS STORM SEWER INSTALLATION AND DRIVE APRON REPLACEMENTS.
- ② ANY STORM WATER PIPE CONNECTION TO THE EXISTING DITCH OR PIPES SHALL BE PROVIDED A FREE OUTLET TO A PROPOSED SWALE, CATCH BASIN OR STORM SEWER AS DIRECTED. A CONTINGENCY QUANTITY OF 6" STORM SEWER HAS BEEN PROVIDED FOR THIS PURPOSE.
- ③ THE CITY SHALL RESERVE THE RIGHT TO MODIFY DITCH INLET LOCATIONS AND ELEVATIONS AFTER INITIAL CONSTRUCTION LAYOUT STAKING IS COMPLETED.

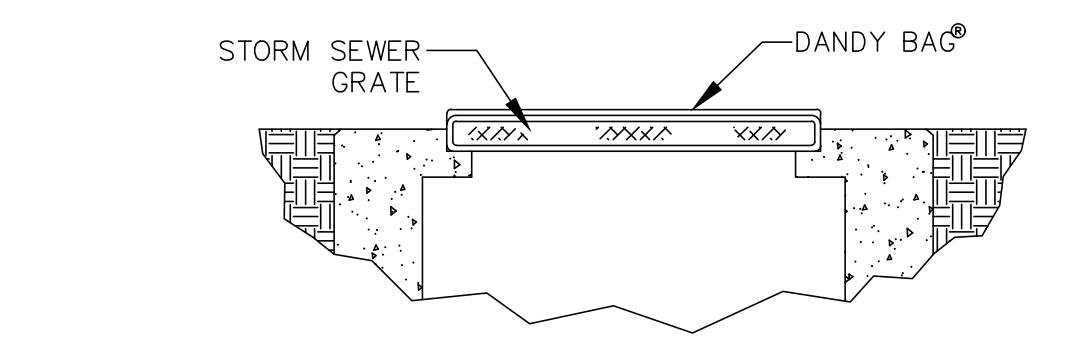
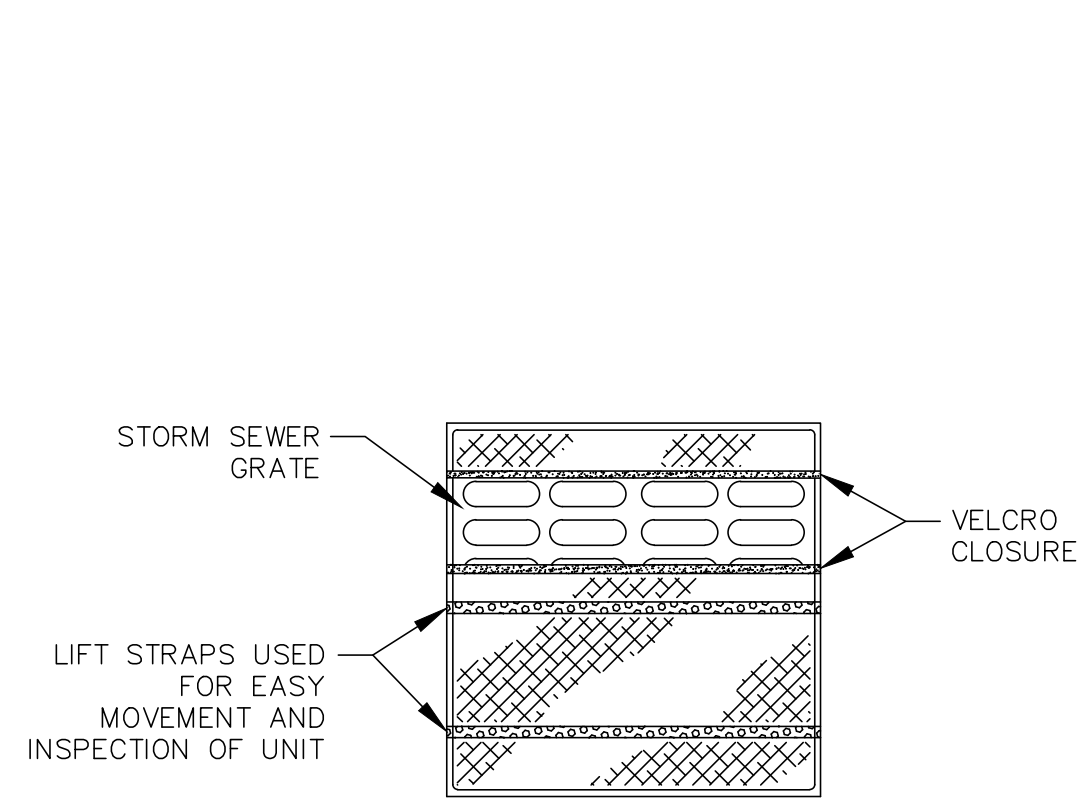
**SECTION A-A GRASSED SWALE**  
N.T.S.



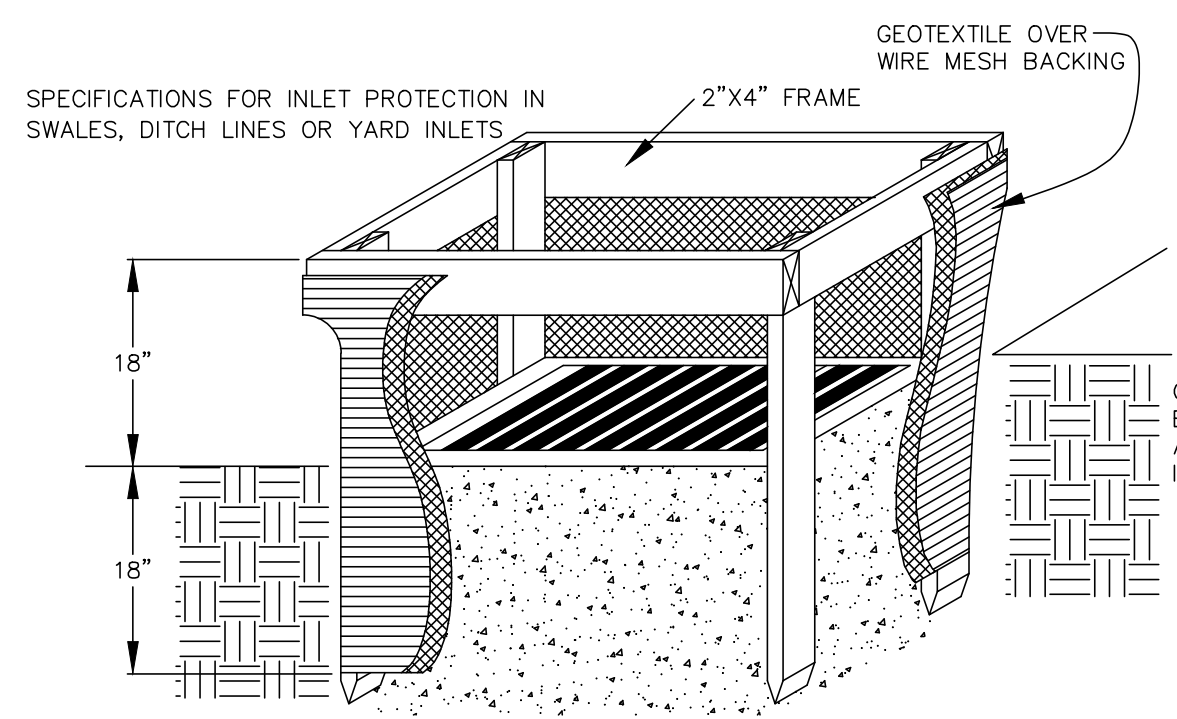
**EXISTING**



**PROPOSED**



**DANDY BAG (INLET PROTECTION ALTERNATE)**



- SPECIFICATIONS FOR INLET PROTECTION IN SWALES, DITCH LINES OR YARD INLETS
- INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM DRAIN BECOMES OPERATIONAL.
  - THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH OF AT LEAST 18 INCHES.
  - THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2-BY-4-INCH CONSTRUCTION-GRADE LUMBER. THE 2-BY-4-INCH POSTS SHALL BE DRIVEN 1 FOOT INTO THE GROUND AT FOUR CORNERS OF THE INLET AND THE TOP PORTION OF 2-BY-4-INCH FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6 INCHES BELOW ADJACENT ROADS IF PONDED WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC.
  - WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.
  - GEOTEXTILE SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18 INCHES BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.
  - BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6 INCH LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
  - A COMPACTED EARTH DIKE OR A CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION AND IF RUNOFF BYPASSING THE INLET WILL NOT FLOW TO A SETTLING POND. THE TOP OF EARTH DIKES SHALL BE AT LEAST 6 INCHES HIGHER THAN THE TOP OF THE FRAME.

**INLET PROTECTION**



NO	REVISION	DATE

**CITY OF MENTOR-ON-THE-LAKE**

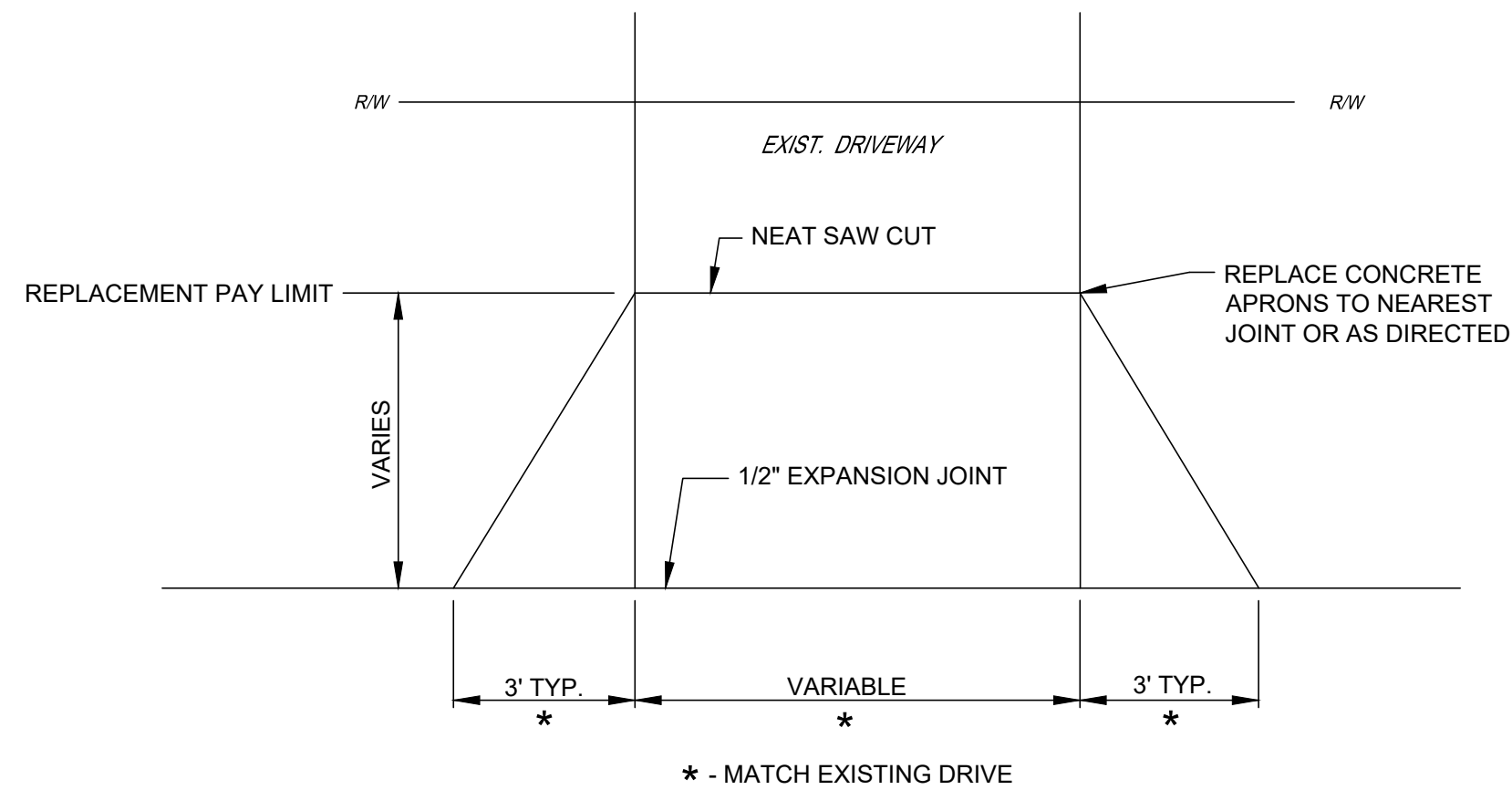
**SOUTHLAND ROAD DRAINAGE SYSTEM IMPROVEMENTS**

LAKE COUNTY, OHIO

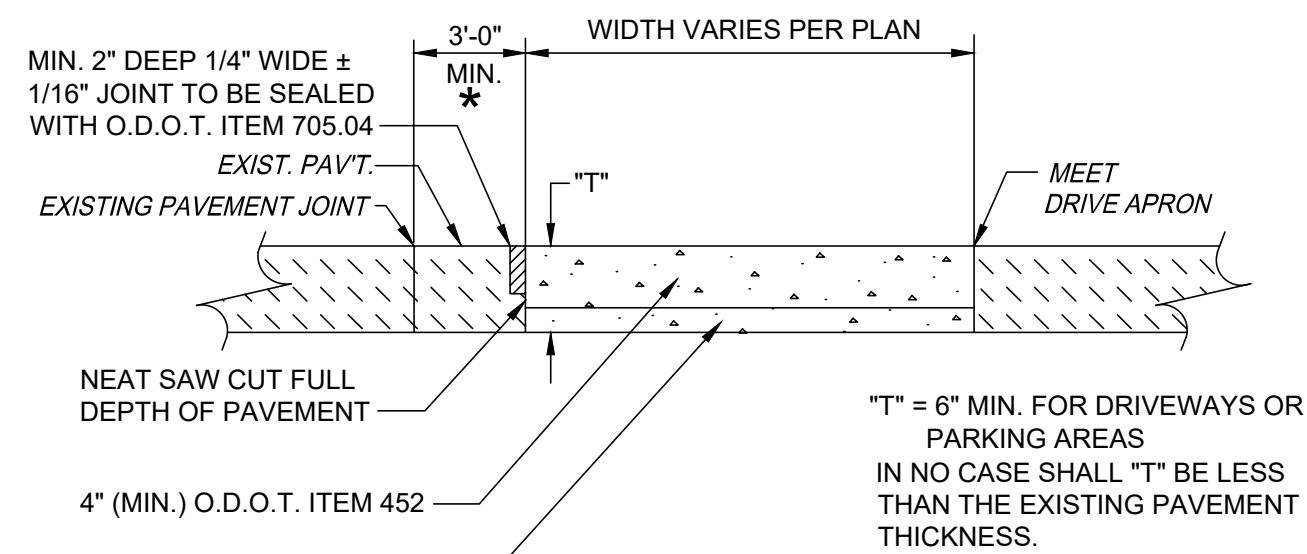
ISSUED FOR: BID  
 ISSUE DATE: 10/11/2024  
 SCALE: AS SHOWN  
 DESIGNED BY: JPL/PAB  
 DRAWN BY: GMS/PAB  
 CHECKED BY: TRL

**DETAILS**

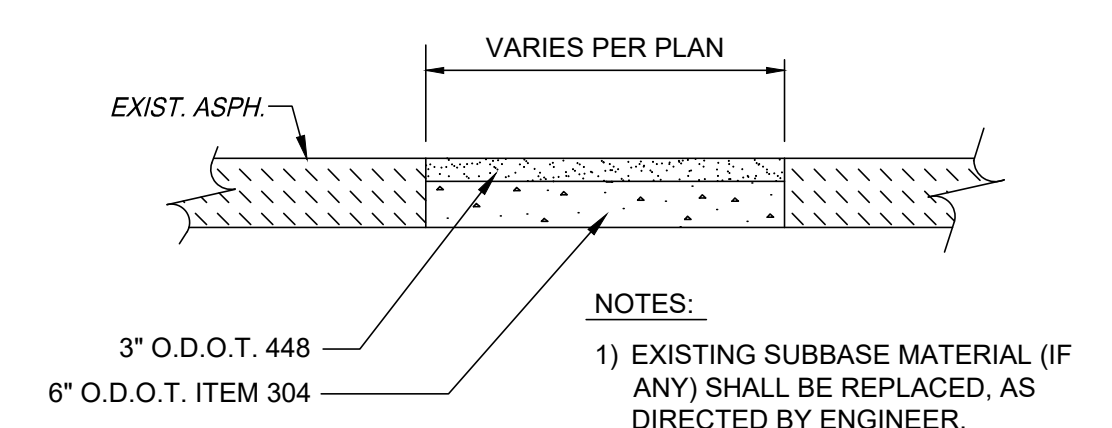
PROJECT NO. **210645**  
 DISCIPLINE **CIVIL**  
 SHEET NAME **D-1**  
 SHEET **02** OF **14**



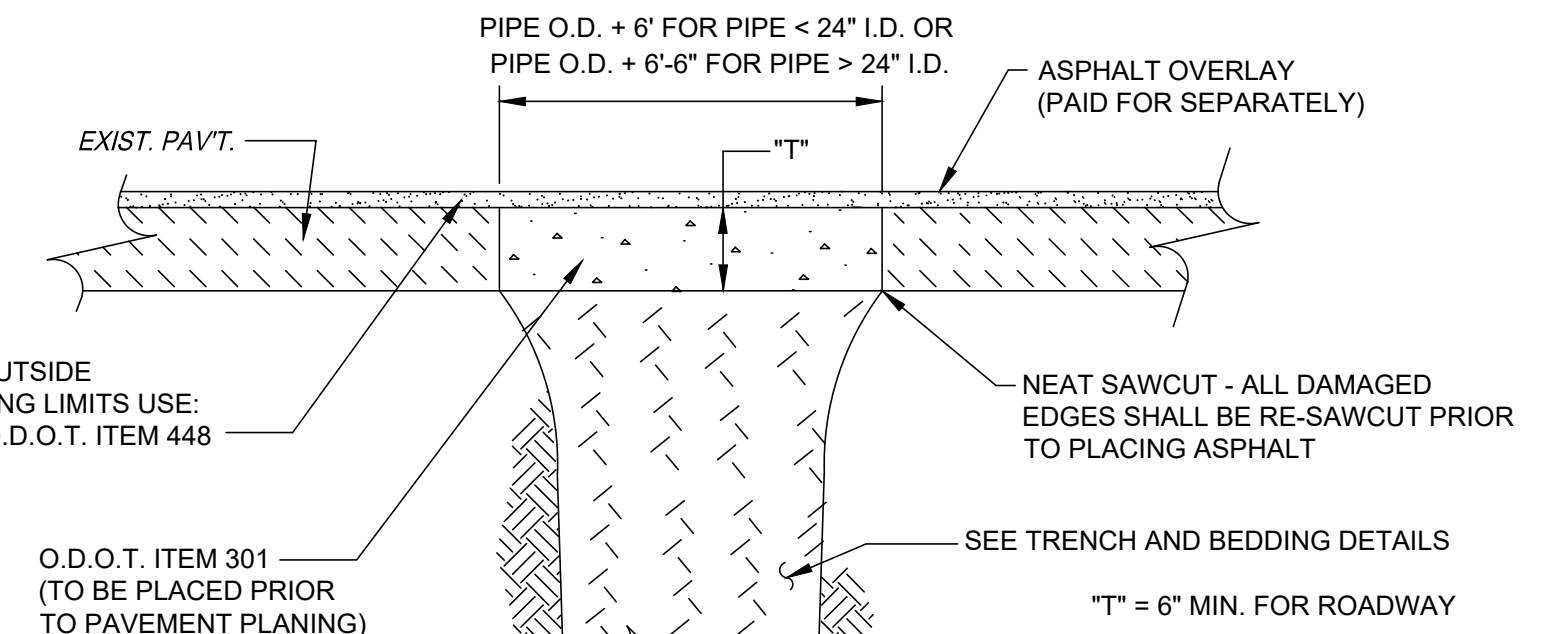
**DRIVEWAY APPROACH DETAIL**



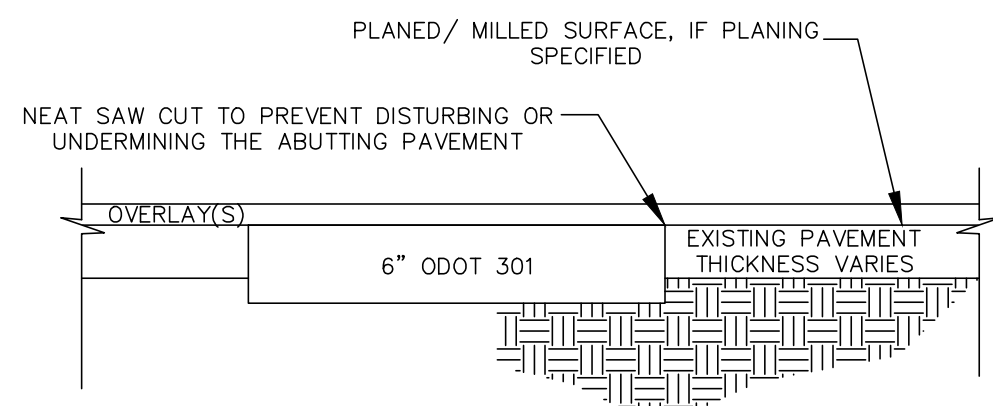
**TYPE \"A\" (CONCRETE) DRIVE APRON**



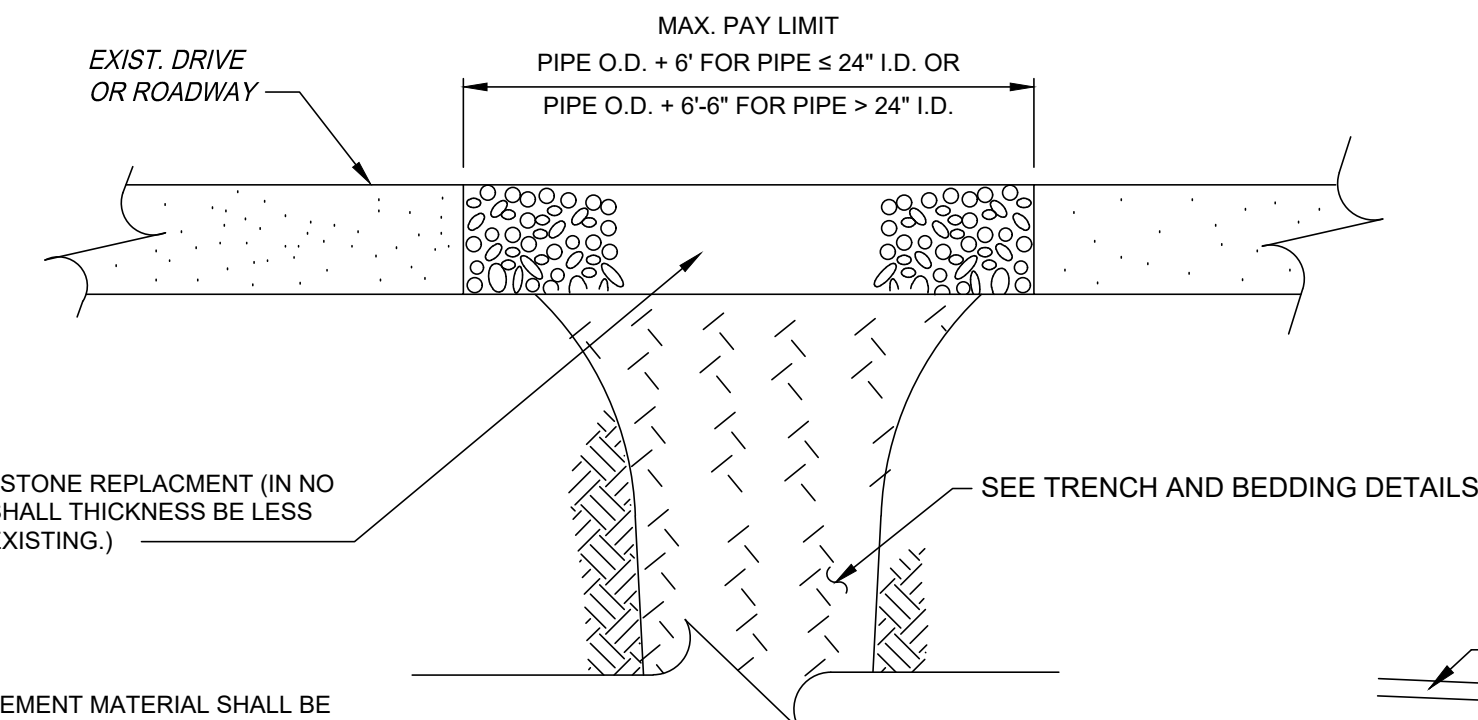
**TYPE \"C\" (ASPHALT) DRIVE REPLACEMENT**



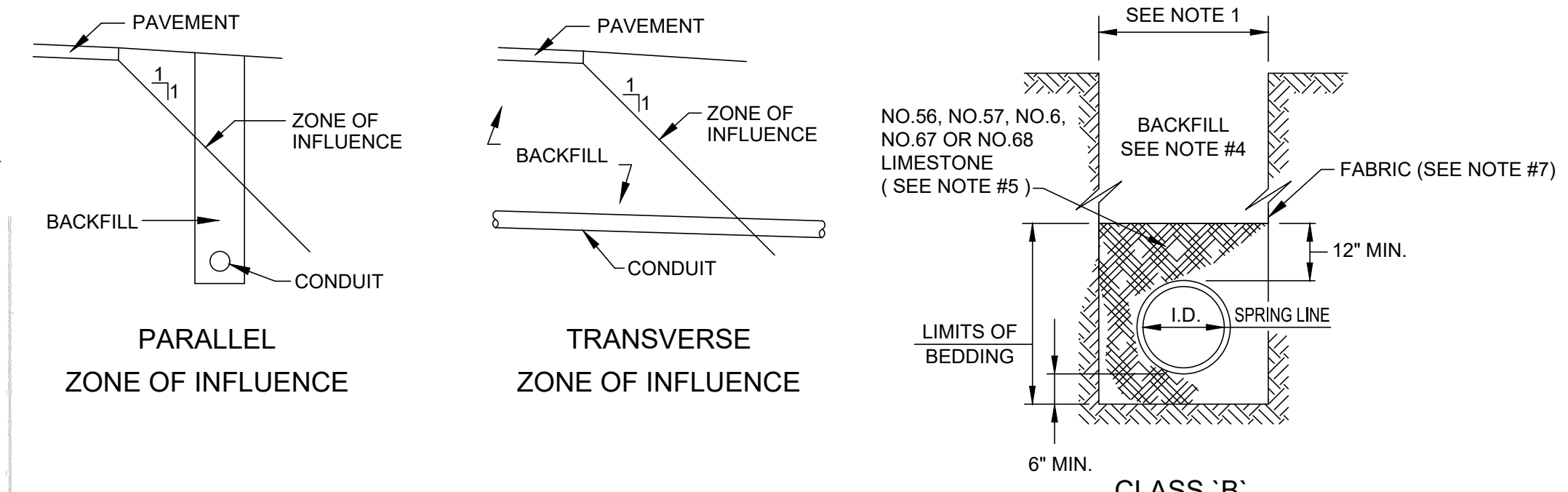
**TYPE \"C\" (ASPHALT) PAVEMENT REPLACEMENT / TRENCH REPAIR**



**PAVEMENT REPAIR DETAIL**

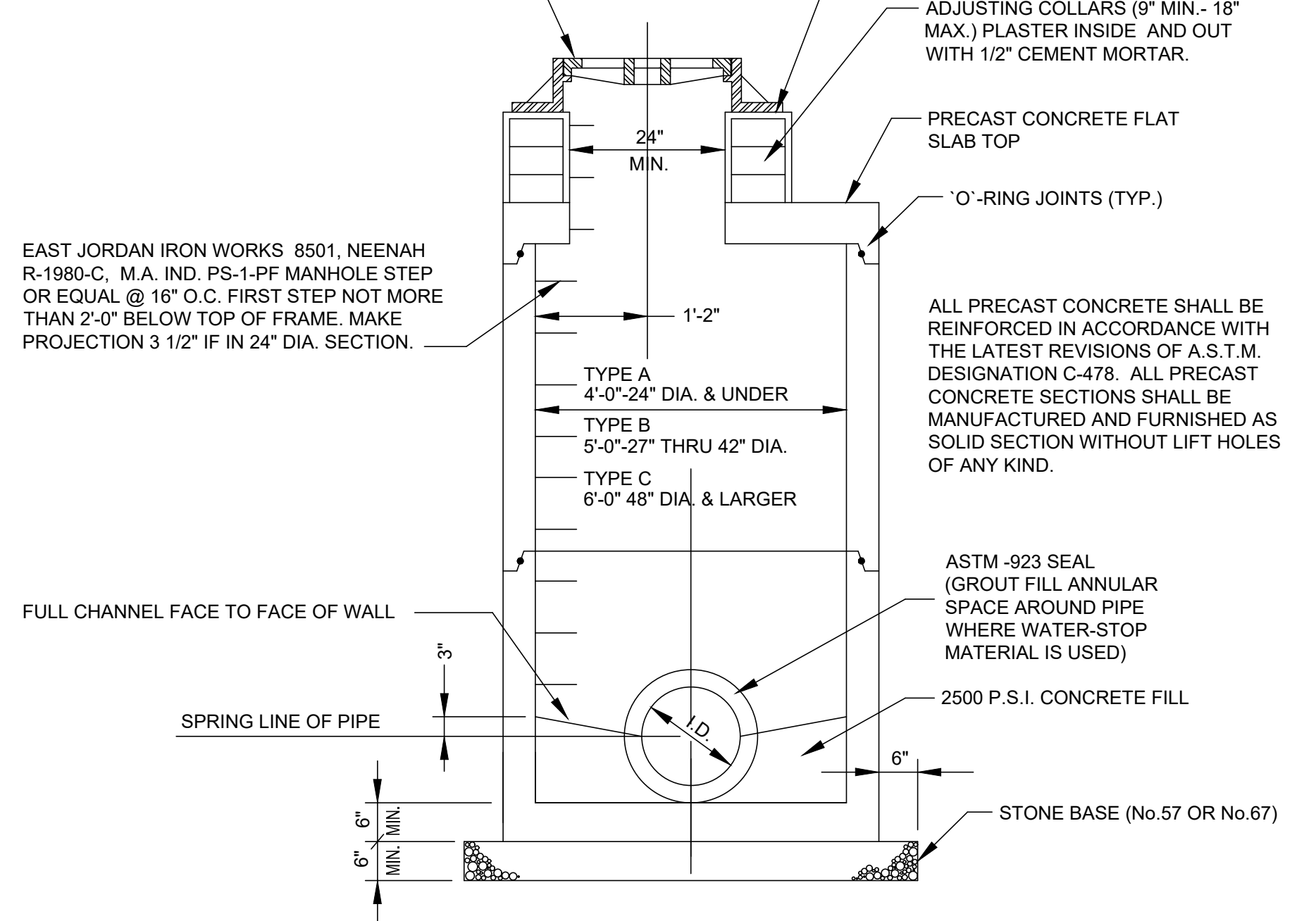


**TYPE \"F\" (STONE) DRIVE REPLACEMENT**



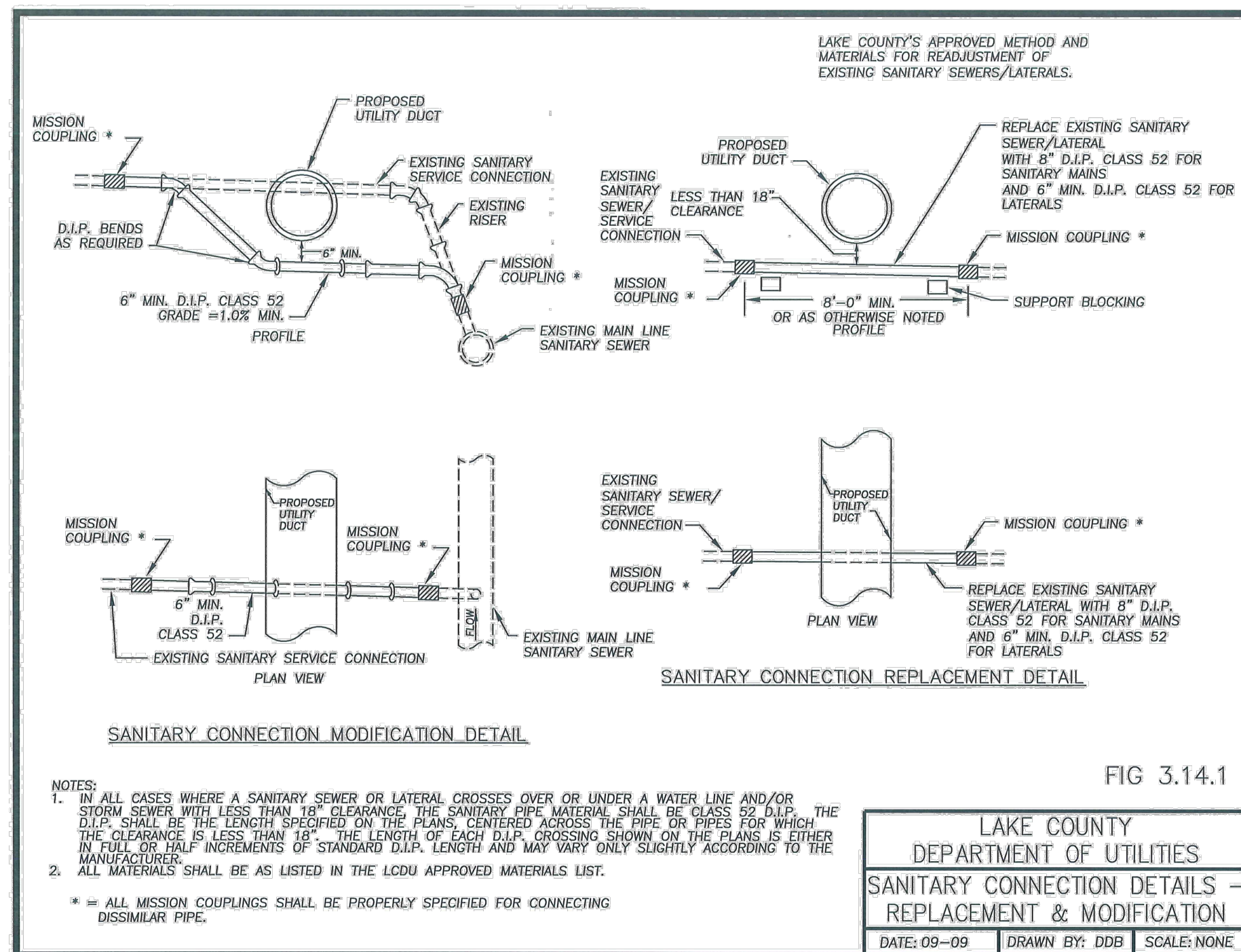
**TRENCH & BEDDING DETAILS**

EAST JORDAN IRON WORKS 1710 FRAME OR APPROVED EQUAL W/TYPE M GRATE, OR AS DIRECTED BY THE ENGINEER. MAKE FLUSH WITH PAVEMENT OR EARTH. RIM ELEVATION TO BE SET AS SHOWN ON THE PLANS. IN THE EVENT THAT FIELD CONDITIONS WARRANT A RIM ADJUSTMENT AS DETERMINED BY THE ENGINEER OR THE CITY OF MENTOR-ON-THE-LAKE, THE RIM ELEVATION SHALL BE MODIFIED ACCORDINGLY AT NO ADDITIONAL COST TO THE CITY OF MENTOR-ON-THE-LAKE.



**STANDARD STORM MANHOLE**

TYPE \"A\", TYPE \"B\" AND TYPE \"C\"



LAKE COUNTY DEPARTMENT OF UTILITIES  
**SANITARY CONNECTION DETAILS - REPLACEMENT & MODIFICATION**  
 DATE: 09-09 DRAWN BY: DDB SCALE: NONE

- NOTES:**
- MAXIMUM TRENCH AT TOP OF PIPE SHALL BE O.D.+24\"/>
  - ALL TRENCH EXCAVATION SHALL CONFORM TO THE RULES AND REGULATIONS OF THE OHIO STATE INDUSTRIAL COMMISSION (OSIC) AND THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).
  - a) PIPE BACKFILL UNDER EXISTING OR PROPOSED PAVEMENT, STRUCTURES OR WITHIN A 1:1 ZONE OF INFLUENCE PARALLEL OR TRANSVERSE TO EXISTING OR PROPOSED PAVEMENT AND STRUCTURES SHALL BE NO. 57 OR NO. 67 STONE TO 12\"/>
  - ALL BACKFILL SHALL BE TAMPED WITH MACHINE MOUNTED TAMPING EQUIPMENT. NO FLOODING, JETTING OR PUDDLING OF BACKFILL WILL BE PERMITTED.
  - SLAG BEDDING SHALL NOT BE USED.
  - GEOTEXTILE FABRIC: INSTALL A GEOTEXTILE FABRIC IN ACCORDANCE WITH ODOT 712.09, TYPE A, AFTER ALL INITIAL BACKFILL CONSISTING OF AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBENMENT.



NO	REVISION	DATE

**CITY OF MENTOR-ON-THE-LAKE**

**SOUTHLAND ROAD DRAINAGE SYSTEM IMPROVEMENTS**

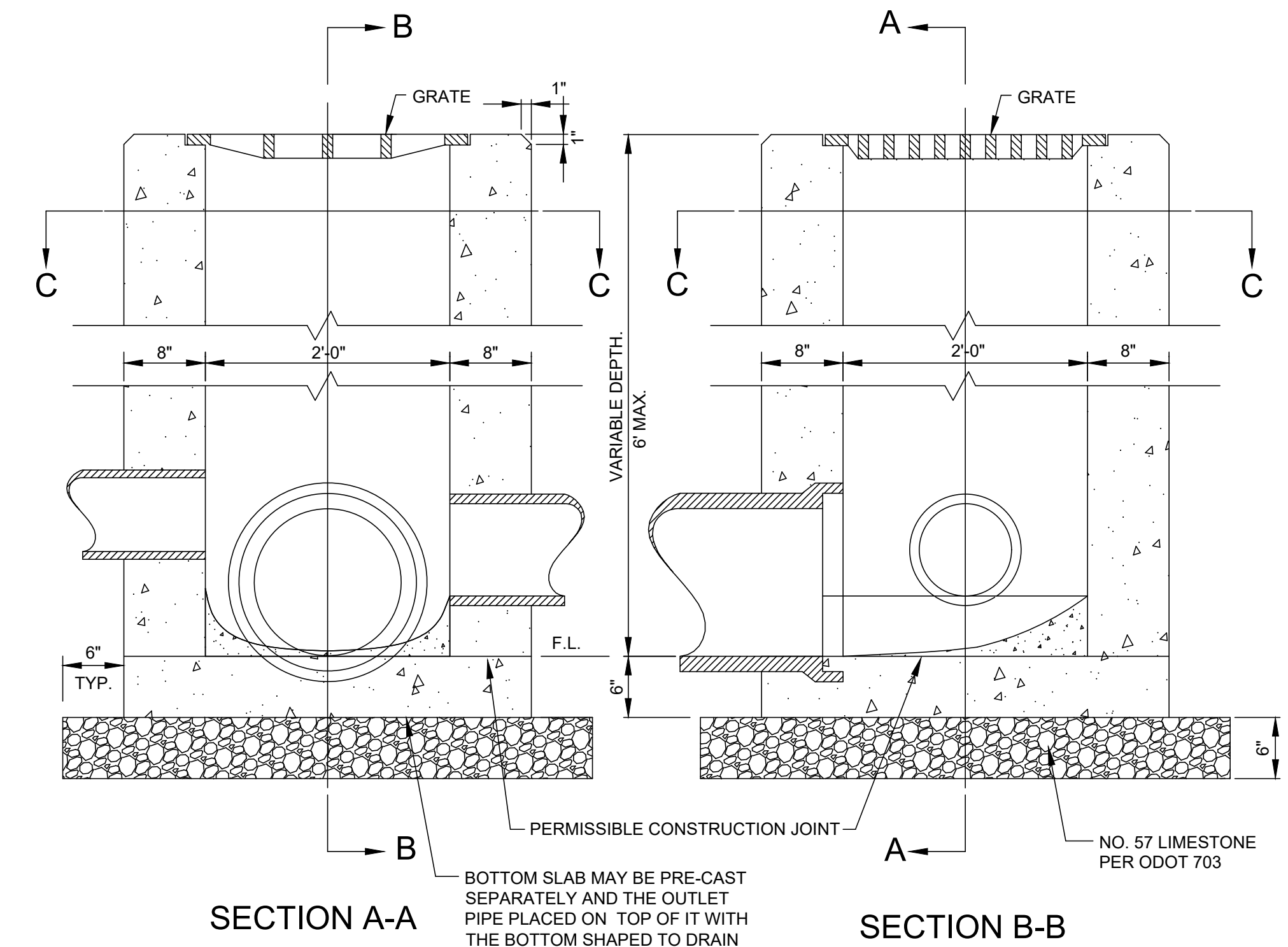
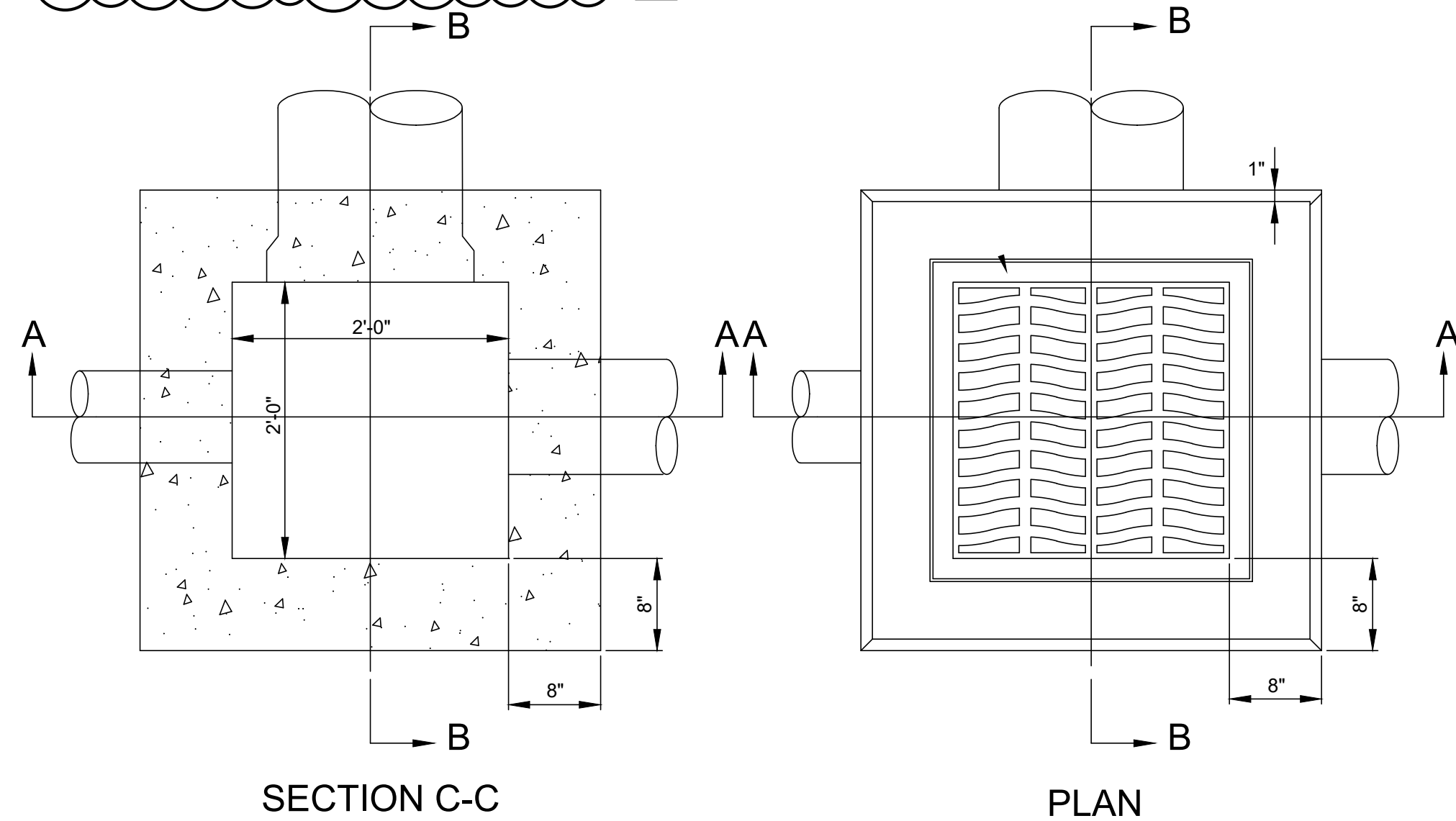
LAKE COUNTY, OHIO

ISSUED FOR:	BID
ISSUE DATE:	10/11/2024
SCALE:	AS SHOWN
DESIGNED BY:	JPL/PAB
DRAWN BY:	GMS/PAB
CHECKED BY:	TRL

**DETAILS**

PROJECT NO.	<b>210645</b>
DISCIPLINE	<b>CIVIL</b>
SHEET NAME	<b>D-2</b>
SHEET OF	<b>03 14</b>

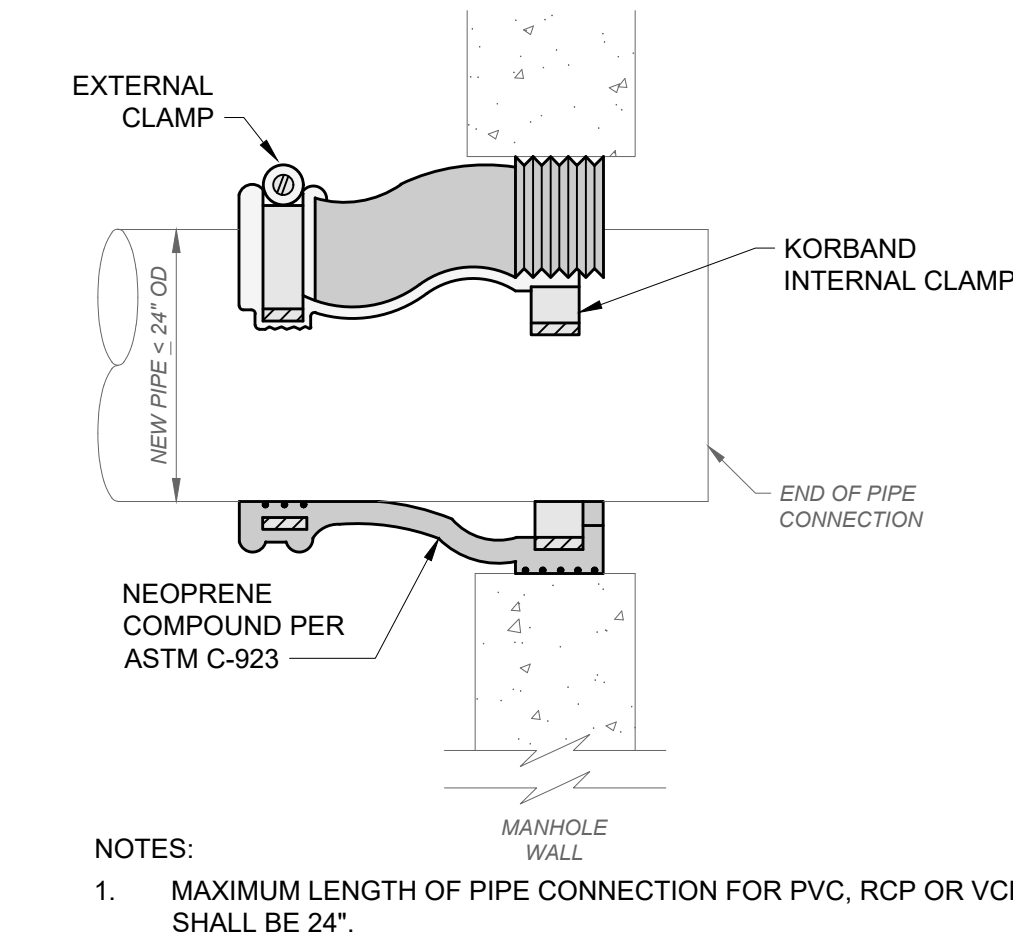
CASTING TYPE:  
1. FOR STRUCTURES WITHIN THE ROADWAY OR IN NON-PAVED AREAS, PROVIDE CASTING AND GRATE CONFORMING TO ODOT CATCH BASIN 2-2B & 2-2C.



- NOTES:
1. ALL WORK SHALL CONFORM TO ODOT ITEM 611.
  2. IF PRECAST UNITS ARE USED, THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL. PRECAST UNITS SHALL CONFORM TO ODOT ITEM 706.13
  3. ALL CONCRETE SHALL CONFORM TO ODOT ITEM 499, CLASS "QC1" (4000 psi.) NO SLAG.
  4. THE ENTIRE EXCAVATED AREA AROUND THE BASIN SHALL BE BACKFILLED WITH NO. 57 LIMESTONE COMPACTED IN 8" LIFTS.
  5. PRECAST UNITS SHALL BE SET ON A 6" BASE OF NO. 57 LIMESTONE PER ODOT ITEM 703

**CATCH BASIN TYPE B (ODOT TYPE 2-2)**

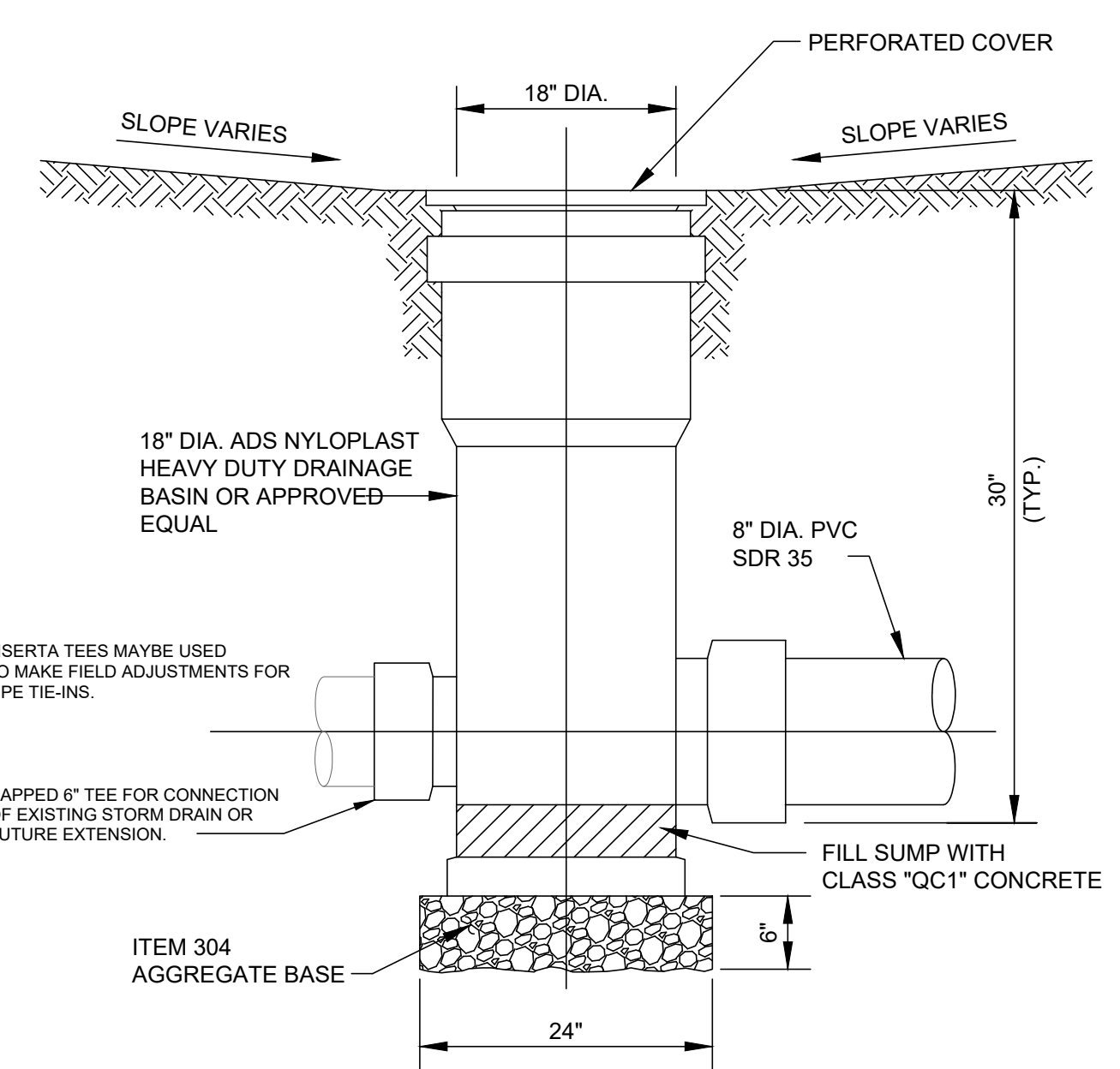
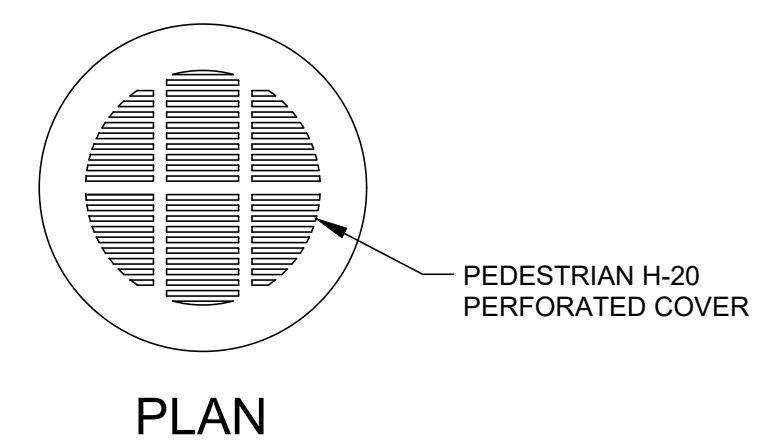
N.T.S.  
CATCH BASINS SHALL HAVE ASTM-923 SEAL(S)



**CONNECTION TO EXISTING DRAINAGE STRUCTURE DETAIL**

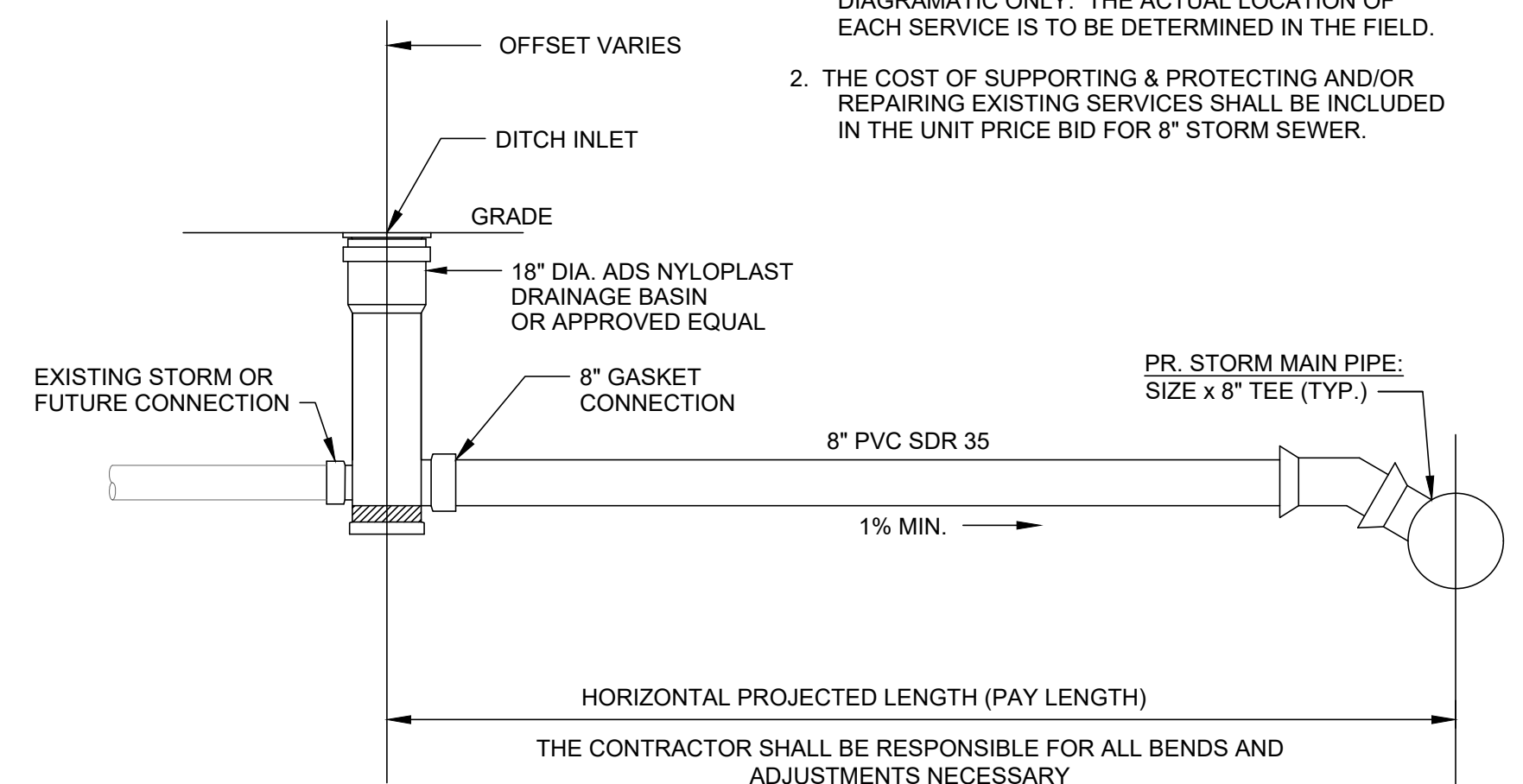
SCALE: NONE

DETAIL WAS REMOVED.



**SECTION DITCH INLET**

- NOTES:
1. THE STORM LATERAL REPLACEMENT DETAIL IS DIAGRAMATIC ONLY. THE ACTUAL LOCATION OF EACH SERVICE IS TO BE DETERMINED IN THE FIELD.
  2. THE COST OF SUPPORTING & PROTECTING AND/OR REPAIRING EXISTING SERVICES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR 8" STORM SEWER.



**STORM LATERAL CONNECTION**



NO	REVISION	DATE
1	REVISED FOR ADDENDUM #2	11/11/24

CITY OF MENTOR-ON-THE-LAKE  
**SOUTHLAND ROAD DRAINAGE SYSTEM IMPROVEMENTS**  
LAKE COUNTY, OHIO

ISSUED FOR:	BID
ISSUE DATE:	10/11/2024
SCALE:	AS SHOWN
DESIGNED BY:	JPL/PAB
DRAWN BY:	GMS/PAB
CHECKED BY:	TRL

**DETAILS**

PROJECT NO.	210645
DISCIPLINE	CIVIL
SHEET NAME	D-3
SHEET	OF
04	14



**ITEM 614 - MAINTAINING TRAFFIC**

ONE WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES FOR LOCAL TRAFFIC AND EMERGENCY VEHICLES. LOCAL ACCESS TO ABUTTING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. ACCESS TO ALL DRIVEWAYS SHALL ALSO BE MAINTAINED AT ALL TIMES.

PART WIDTH CONSTRUCTION, ONE LANE WIDTH, SHALL BE USED DURING THE PERFORMANCE OF PAVING OPERATIONS.

ALL CONSTRUCTION TRAFFIC CONTROL DEVICES USED FOR THIS PROJECT SHALL CONFORM TO THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, HEREINAFTER REFERRED TO AS THE MANUAL, AND SHALL BE FURNISHED, ERECTED, MAINTAINED, RELOCATED AND REMOVED BY THE CONTRACTOR.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY SAFEGUARDS, SUCH AS BARRICADES, LIGHTING, FLAGGERS, PLASTIC DRUMS, FLASHING ARROW PANELS AND SUCH OTHER TRAFFIC CONTROL DEVICES AS PROVIDED IN ITEM 614, MAINTAINING TRAFFIC, SO AS TO AVOID DAMAGE AND/OR INJURY TO VEHICLES AND PERSONS USING THE ROADWAY DURING CONSTRUCTION. WHENEVER THE ENGINEER DEEMS IT NECESSARY, HE MAY DIRECT THAT ADDITIONAL OR ALTERNATIVE DEVICES BE USED. ALSO, THE CONTRACTOR SHALL PROVIDE SUFFICIENT ADDITIONAL BARRICADES, ETC. TO PROTECT THE FRESH PAVEMENT DURING THE CURING PERIOD FROM VEHICLES WHICH MAY DRIVE AROUND OR THROUGH THE TRAFFIC CONTROL.

TRAFFIC CONTROL DEVICES SHALL BE SET UP PRIOR TO THE START OF CONSTRUCTION AND SHALL BE PROPERLY MAINTAINED DURING THE TIME SUCH SPECIAL CONDITIONS EXIST. THEY SHALL REMAIN IN PLACE ONLY AS LONG AS THEY ARE NEEDED AND SHALL BE IMMEDIATELY REMOVED THEREAFTER. WHERE OPERATIONS ARE PERFORMED IN PHASES, THERE SHALL BE IN PLACE ONLY THOSE DEVICES THAT APPLY TO THE CONDITION PRESENT DURING THE PHASE-IN PROGRESS. ALL SIGNS WITH MESSAGES WHICH DO NOT APPLY DURING A CERTAIN PERIOD SHALL BE COVERED OR SET ASIDE OUT OF THE VIEW OF TRAFFIC. CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED IN ACCORDANCE WITH SECTION 641.10 OF THE OHIO SPECIFICATIONS BEFORE ANY SECTION OF ROADWAY IS MADE AVAILABLE TO USE BY TRAFFIC.

ALL PERMANENT AND TEMPORARY PAVEMENT MARKINGS ARE TO BE MAINTAINED THROUGHOUT THE PROJECT. ANY DAMAGED OR FADED PAVEMENT MARKINGS SHALL BE CORRECTED WITHIN EIGHT HOURS AFTER THE CONTRACTOR'S NOTIFICATION OF THE PROBLEM. IF WEATHER IS NOT CONDUSIVE TO PAVEMENT MARKING INSTALLATION THEN REPAIRS SHALL BE MADE ON THE FIRST WEATHER PERMISSIVE DAY AFTER NOTIFICATION.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH ODOT ITEM 614 APPLICABLE SECTIONS OF THE SPECIFICATIONS AS WELL AS THE MANUAL. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN, UNLESS OTHERWISE SEPARATELY ITEMIZED IN THE PLANS.

WORK HOURS

NO WEEKEND WORK OR WORK BETWEEN THE HOURS OF 9:00 PM TO 7:00 AM SHALL BE PERMITTED UNLESS OTHERWISE SPECIFICALLY APPROVED BY THE ENGINEER.

PROVIDING CONTINUOUS ACCESS TO RESIDENCES AND BUSINESSES

TWO WEEKS PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A COMPLETE SCHEDULE OF CONSTRUCTION OPERATIONS ALONG WITH PLANS SHOWING TRAFFIC CONTROL FOR EACH PHASE OF CONSTRUCTION. INCLUDED SHALL BE DETAILS OF THE PROPOSED METHODS TO MAINTAIN SAFE AND CONTINUOUS ACCESS FOR PASSENGER VEHICLES, TRUCKS AND SAFETY EQUIPMENT TO ALL ADJOINING PROPERTIES AND INTERSECTING STREETS. THESE PLANS SHALL INCLUDE ALL TEMPORARY MATERIALS NECESSARY TO PROVIDE SAFE, ADEQUATE DRIVE SURFACES TO ALL ADJOINING PROPERTIES. THE COST FOR ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO PROVIDE CONTINUOUS ACCESS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ODOT ITEM 614, MAINTAINING TRAFFIC. PLANS MUST BE SUBMITTED TO THE ENGINEER AND APPROVED PRIOR TO COMMENCING ANY WORK

SHOULD THE ENGINEER, AT ANY TIME PRIOR TO OR DURING CONSTRUCTION, DEEM ANY PART OF THE CONTRACTOR'S PLANS FOR SAFE AND CONTINUOUS ACCESS TO RESIDENCES AND BUSINESSES INADEQUATE, ADDITIONAL MATERIALS, CLOSURES AND/OR DIVERSIONS SHALL BE REQUIRED AT NO ADDITIONAL COST TO THE CITY.

NOTIFICATION OF PROPERTY OWNERS

THE CONTRACTOR SHALL NOTIFY ALL RESIDENCES AND BUSINESSES ALONG THE PROJECT ROUTE IN WRITING AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO COMMENCING WORK. SUCH NOTICE SHALL INCLUDE, AT A MINIMUM, A BRIEF PROJECT DESCRIPTION, TENTATIVE CONSTRUCTION SCHEDULE, LIMITS OF CONSTRUCTION, THE CONTRACTOR'S NAME, ADDRESS AND PHONE NUMBER, AS WELL AS A CONTACT PERSON'S NAME AND EMERGENCY PHONE NUMBER WHERE HE COULD BE REACHED DURING NON-WORK HOURS. THE NOTICE SHALL ALSO REQUEST THAT THE PROPERTY OWNERS PROVIDE INFORMATION TO THE CONTRACTOR AND/OR CITY OF MENTOR REGARDING THE LOCATIONS OF ANY UNDERGROUND FET FENCING, LAWN SPRINKLER SYSTEMS, YARD LIGHTING, WIRING AND ANY OTHER FACILITIES THAT ARE UNDERGROUND IN THE VICINITY OF THE PROJECT. THE NOTICE SHALL BE REVIEWED AND APPROVED BY THE CITY OF MENTOR-ON-THE-LAKE PRIOR TO BEING DISTRIBUTED. ALL COSTS ASSOCIATED WITH THE ABOVE SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ODOT ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN.

FAILURE TO COMPLY

FOR ANY FAILURE TO COMPLY WITH PROVISIONS FOR TRAFFIC CONTROL SET OUT IN THESE PLANS AND NOTES OR WITH THE PROVISIONS OF THE MANUAL, THE HIGHWAY IN THE VICINITY OF THE WORK AREA SHALL BE CONSIDERED IN A CONDITION UNACCEPTABLE FOR THE SAFETY AND CONVENIENT USE BY THE TRAVELING PUBLIC. ANY FAILURE TO KEEP THE HIGHWAY IN THE VICINITY OF THE WORKING AREA IN A CONDITION ACCEPTABLE FOR THE SAFE AND CONVENIENT USE BY THE TRAVELING PUBLIC SHALL BE CONSIDERED A BREACH OF THIS CONTRACT. WORK SHALL BE SUSPENDED UNTIL THE CONTRACTOR COMPLIES WITH THE PROVISIONS OF THE AFOREMENTIONED ITEMS.

NOTIFICATION

THE CITY OF MENTOR-ON-THE-LAKE POLICE, FIRE, PUBLIC WORKS DEPARTMENTS, AND CITY ENGINEER SHALL BE NOTIFIED AT LEAST ONE (1) WEEK PRIOR TO THE ACTUAL START OF CONSTRUCTION.

CITY OF MENTOR-ON-THE-LAKE POLICE DEPARTMENT  
JOHN FORSYTHE, CHIEF 440-257-7234 X225

CITY OF MENTOR-ON-THE-LAKE FIRE DEPARTMENT  
JAMES PECHATSKO, CHIEF 440-257-7184

CITY OF MENTOR-ON-THE-LAKE ENGINEER  
TIM LANNON, P.E. 440-530-2348

CITY OF MENTOR-ON-THE-LAKE ADMINISTRATOR  
JACLYN MARTIN, DIRECTOR 440-257-7216

CITY OF MENTOR-ON-THE-LAKE SERVICE DIRECTOR  
JIM TUROSKY, DIRECTOR 440-257-7216

THE CITY OF MENTOR-ON-THE-LAKE EDUCATION DEPARTMENT SHALL BE NOTIFIED AT LEAST ONE (1) MONTH PRIOR TO THE ACTUAL START OF CONSTRUCTION OF EACH SECTION OF WORK IN ORDER TO COORDINATE BUS AND SCHOOL TRAFFIC.

LAKE ELEMENTARY SCHOOL  
LAURIE HAYNES, PRINCIPAL 440-257-5953

MENTOR SCHOOLS TRANSPROTATION DEPARTMENT  
KAREN GERARDI 440-974-5260

MATERIALS FOR MAINTAINING TRAFFIC

SIGNS

CONTRACTOR SHALL FURNISH AND INSTALL SIGNS DIRECTING SCHOOL TRAFFIC TO ENTER THROUGH THE SALIDA ROAD ENTRANCE. SIGN DIMENSION AND SPECIFICATIONS, INCLUDING LETTER SIZES, SHALL BE AS PROVIDED IN THE MANUAL OR SIGN DESIGN DRAWINGS PROVIDED IN THESE PLANS. THE SIGNS SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER PRIOR TO THE START OF THE PROJECT. ALL COST FOR INSTALLING, MAINTAINING AND SUBSEQUENT REMOVAL OF SAID SIGNS SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ODOT ITEM 614 - MAINTAINING TRAFFIC, AS PER PLAN.

SIGN SUPPORTS

SIGN SUPPORTS SHALL BE OF SUFFICIENT SIZES AND HEIGHT TO SUPPORT THE SIGNS AT THE HEIGHT INDICATED IN THE MANUAL. SUPPORTS SHALL ALSO BE ADEQUATE IN MASS AND STABILITY TO PREVENT SIGNS FROM BEING BLOWN OVER BY WIND OR VECLAR-GENERATED AIR TURBULENCE. ALL COSTS FOR INSTALLING, MAINTAINING AND SUBSEQUENT REMOVAL OF SAID SIGNS SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 614 - MAINTAINING TRAFFIC.

PROJECT PHASING

IT IS THE DESIRE OF THE CITY OF MENTOR-ON-THE-LAKE TO HAVE THE CONTRACT WORK PROCEED IN AN ORDERLY AND NEAT MANNER 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 CITY ADMINISTRATION AND THE ENGINEER, INCLUSIVE OF THE FOLLOWING REQUIREMENTS:

- 1) DRIVE APRON ACCESS IS TO BE MAINTAINED AT ALL TIMES EXCEPTING DURING CONCRETE PLACEMENT AND CURING.



NO	REVISION	DATE

**CITY OF MENTOR-ON-THE-LAKE**

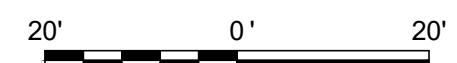
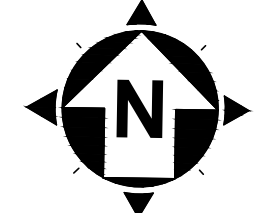
**SOUTHLAND ROAD DRAINAGE SYSTEM IMPROVEMENTS**

**LAKE COUNTY, OHIO**

ISSUED FOR:	BID
ISSUE DATE:	10/11/2024
SCALE:	AS SHOWN
DESIGNED BY:	JPL/PAB
DRAWN BY:	GMS/PAB
CHECKED BY:	TRL

**MAINTENANCE OF TRAFFIC**

PROJECT NO.	
<b>210645</b>	
DISCIPLINE	
<b>CIVIL</b>	
SHEET NAME	
<b>MOT-1</b>	
SHEET	OF
<b>06</b>	<b>14</b>

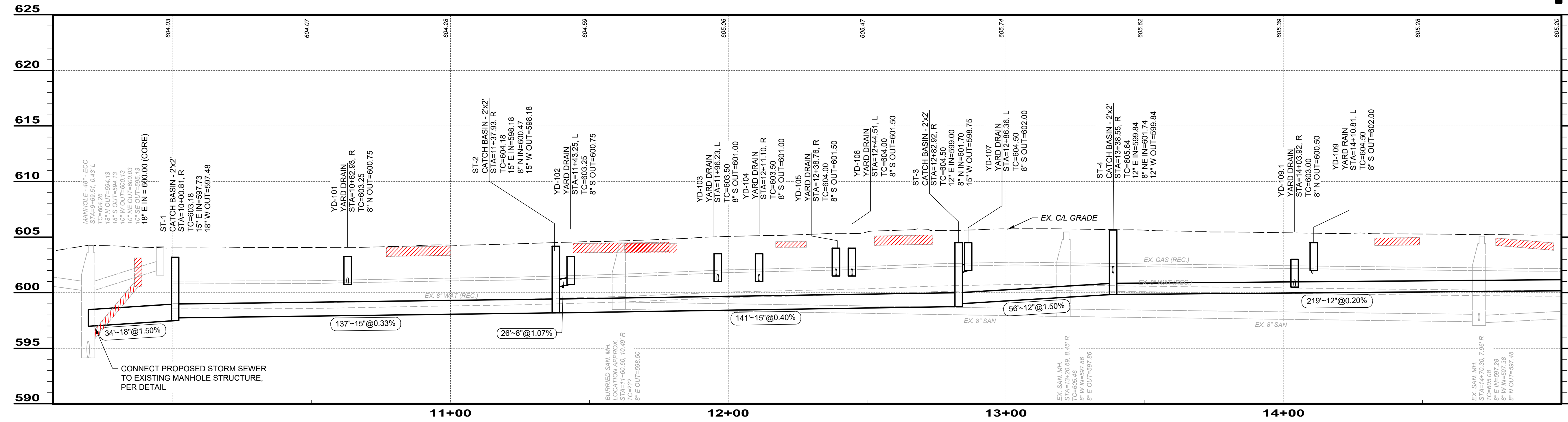
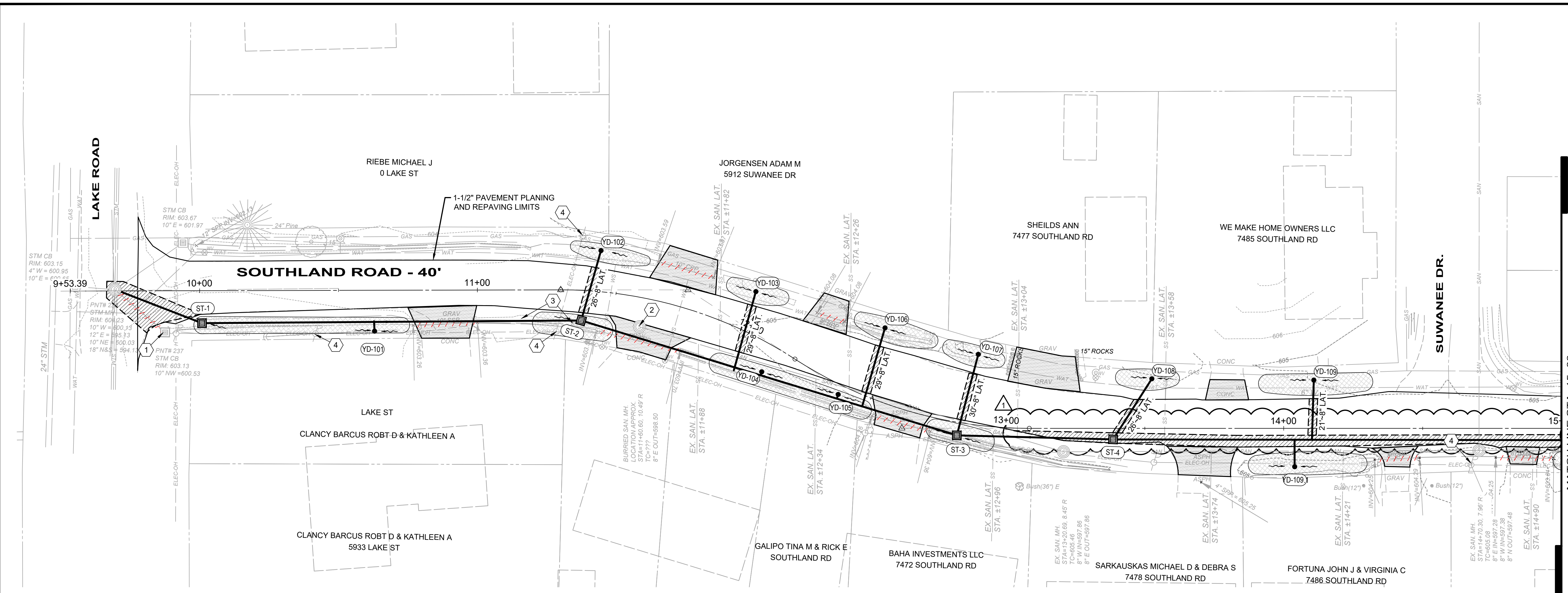


LEGEND

- EXISTING PIPE TO BE REMOVED
- DRIVE APRON REPLACEMENT (SEE DETAILS)
- ASPHALT CONCRETE REPLACEMENT, TYPE C (SEE DETAILS)
- PROVIDE POSITIVE DRAINAGE TO STORM STRUCTURE

NOTES:

1. THE EXISTING UNDERGROUND UTILITIES WERE OBTAINED FROM VARIOUS SOURCES INCLUDING, BUT NOT LIMITED TO, FIELD OBSERVATIONS AND RECORDS MADE AVAILABLE TO CREATE A COMPOSITE DRAWING OF EXISTING CONDITIONS. THERE IS NO GUARANTEE OR WARRANTY, EXPRESSED OR IMPLIED, OF THE COMPLETENESS, CORRECTNESS OR ACCURACY OF SUCH UTILITIES IN THE AREA. EITHER IN SERVICE OR ABANDONED, THE CONTRACTOR SHALL PERFORM A FIELD INVESTIGATION TO CONFIRM LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND STRUCTURES IN THE WORK AREA. IN THE EVENT UTILITY LOCATIONS OR DEPTHS DIFFER IN FIELD FROM PLAN, CONTRACTOR SHALL NOTIFY THE ENGINEER.
2. FINAL LOCATIONS AND ELEVATIONS OF PROPOSED INLETS AND BASINS SHALL BE ADJUSTED IN THE FIELD TO AVOID CONFLICTS WITH UTILITIES, AND PROVIDE POSITIVE DRAINAGE AS DIRECTED BY THE ENGINEER.
3. CONTRACTOR SHALL ASSUME ONE GAS, WATER, AND SANITARY CONNECTION EACH PER PARCEL.



625 CODED NOTES:

- ① REMOVE EXISTING STORM CATCH BASIN STRUCTURE.
- ② ADJUST CASTING TO MEET PAVEMENT GRADE.
- ③ CONTRACTOR SHALL REMOVE, STORE AND RESET EXISTING ROADWAY SIGN AND POST TO FACILITATE CONSTRUCTION.
- ④ CONTRACTOR SHALL COORDINATE WITH FIRST ENERGY TO SCHEDULE UTILITY POLE SUPPORT DURING CONSTRUCTION. (800-589-3101)
- ⑤ NOT USED
- ⑥ NOT USED
- ⑦ NOT USED
- ⑧ NOT USED
- ⑨ NOT USED
- ⑩ NOT USED



NO	REVISION	DATE
1	REVISED FOR ADDENDUM #2	11/11/24

**CITY OF MENTOR-ON-THE-LAKE**

**SOUTHLAND ROAD DRAINAGE SYSTEM IMPROVEMENTS**

LAKE COUNTY, OHIO

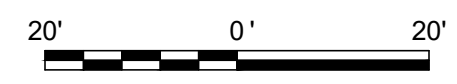
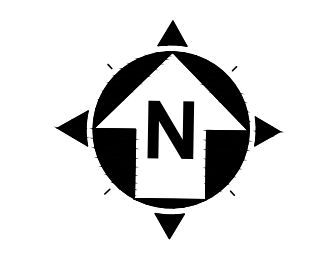
ISSUED FOR:	BID
ISSUE DATE:	10/11/2024
SCALE:	AS SHOWN
DESIGNED BY:	JPL/PAB
DRAWN BY:	GMS/PAB
CHECKED BY:	TRL

**PLAN AND PROFILE**

**STA 10+00 TO 15+00**

PROJECT NO.	<b>210645</b>
DISCIPLINE	<b>CIVIL</b>
SHEET NAME	<b>PP-1</b>
SHEET	OF
<b>07</b>	<b>14</b>





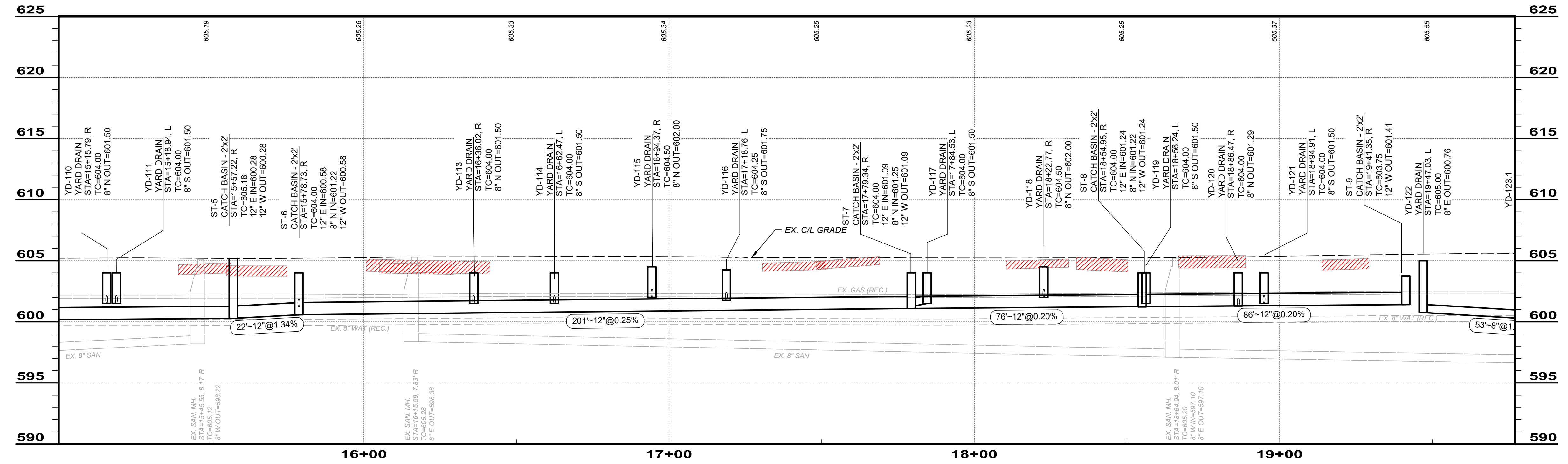
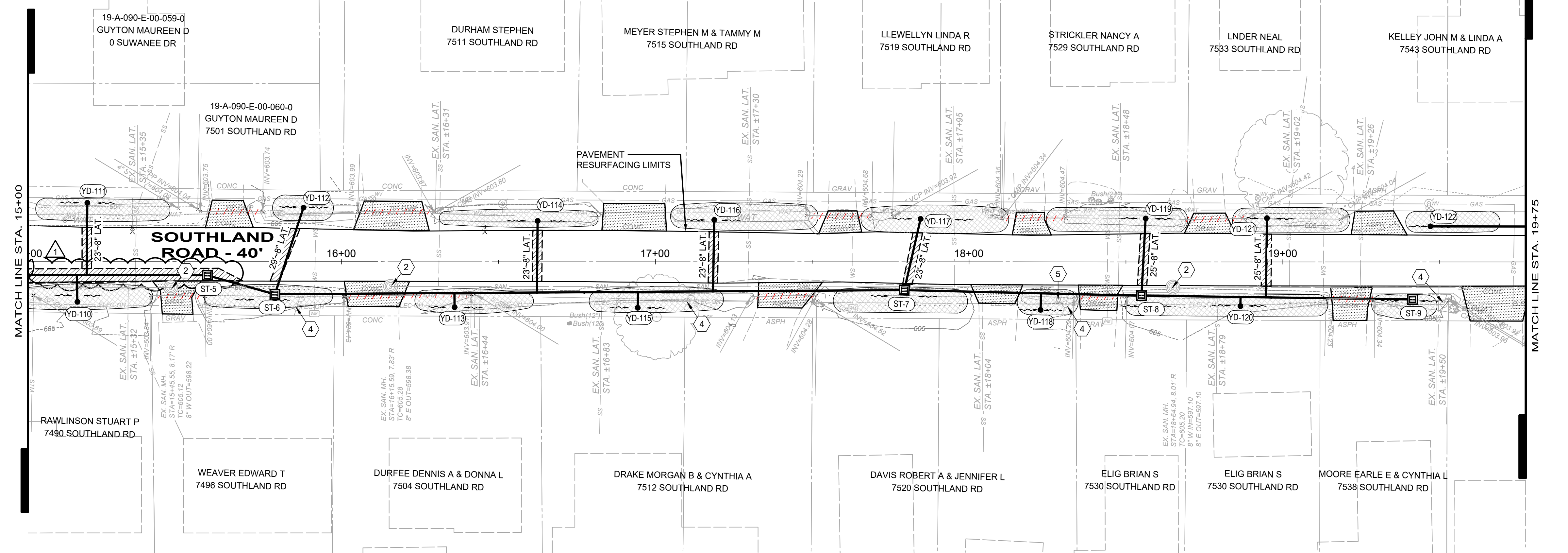
**LEGEND**

- EXISTING PIPE TO BE REMOVED
  - DRIVE APRON REPLACEMENT (SEE DETAILS)
  - ASPHALT CONCRETE REPLACEMENT, TYPE C (SEE DETAILS)
  - PROVIDE POSITIVE DRAINAGE TO STORM STRUCTURE
- NOTES:**

1. THE EXISTING UNDERGROUND UTILITIES WERE OBTAINED FROM VARIOUS SOURCES INCLUDING, BUT NOT LIMITED TO, FIELD OBSERVATIONS AND RECORDS MADE AVAILABLE TO CREATE A COMPOSITE DRAWING OF EXISTING CONDITIONS. THERE IS NO GUARANTEE OR WARRANTY, EXPRESSED OR IMPLIED, OF THE COMPLETENESS, CORRECTNESS OR ACCURACY OF SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE CONTRACTOR SHALL PERFORM A FIELD INVESTIGATION TO CONFIRM LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND STRUCTURES IN THE WORK AREA. IN THE EVENT UTILITY LOCATIONS OR DEPTHS DIFFER IN FIELD FROM PLAN, CONTRACTOR SHALL NOTIFY THE ENGINEER.
2. FINAL LOCATIONS AND ELEVATIONS OF PROPOSED INLETS AND BASINS SHALL BE ADJUSTED IN THE FIELD TO AVOID CONFLICTS WITH UTILITIES, AND PROVIDE POSITIVE DRAINAGE AS DIRECTED BY THE ENGINEER.
3. CONTRACTOR SHALL ASSUME ONE GAS, WATER, AND SANITARY CONNECTION EACH PER PARCEL.

**CODED NOTES:**

- NOT USED
- ADJUST CASTING TO MEET PAVEMENT GRADE.
- NOT USED
- CONTRACTOR SHALL COORDINATE WITH FIRST ENERGY TO SCHEDULE UTILITY POLE SUPPORT DURING CONSTRUCTION. (800-589-3101)
- EXISTING STUMP TO BE REMOVED.
- NOT USED
- NOT USED
- NOT USED
- NOT USED
- NOT USED



NO	REVISION	DATE
1	REVISED FOR ADDENDUM #2	11/11/24

**CITY OF MENTOR-ON-THE-LAKE**

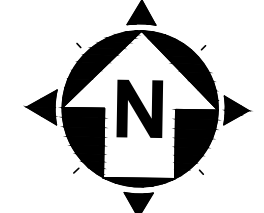
**SOUTHLAND ROAD DRAINAGE SYSTEM IMPROVEMENTS**

LAKE COUNTY, OHIO

ISSUED FOR:	BID
ISSUE DATE:	10/11/2024
SCALE:	AS SHOWN
DESIGNED BY:	JPL/PAB
DRAWN BY:	GMS/PAB
CHECKED BY:	TRL

**PLAN AND PROFILE**  
**STA 15+00 TO 19+75**

PROJECT NO.	<b>210645</b>
DISCIPLINE	<b>CIVIL</b>
SHEET NAME	<b>PP-2</b>
SHEET	OF
<b>08</b>	<b>14</b>



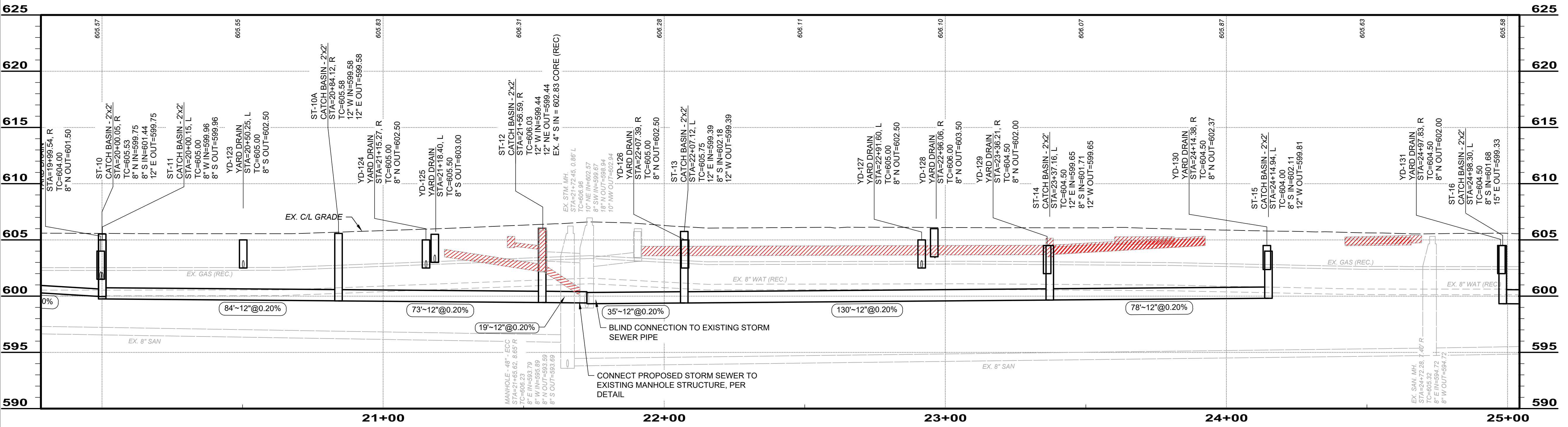
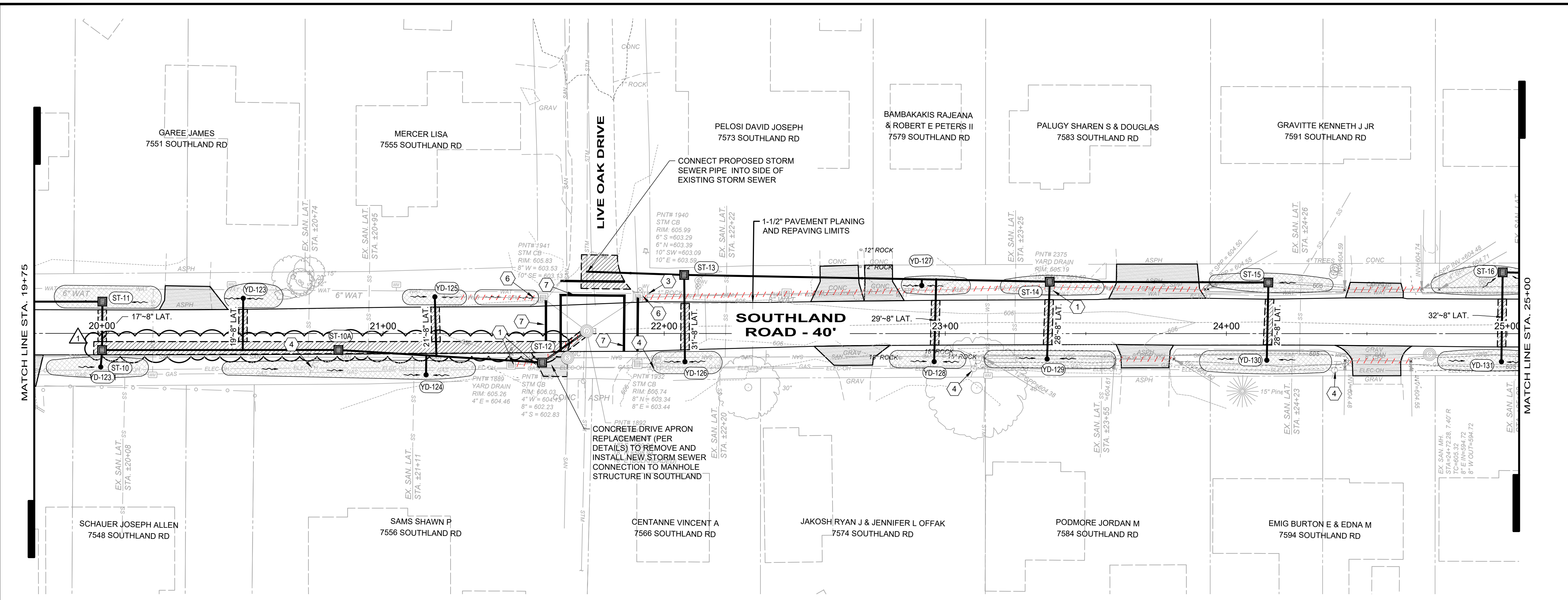
20' 0' 20'

LEGEND

- LEGEND
- EXISTING PIPE TO BE REMOVED
  - DRIVE APRON REPLACEMENT (SEE DETAILS)
  - ASPHALT CONCRETE REPLACEMENT, TYPE C (SEE DETAILS)
  - PROVIDE POSITIVE DRAINAGE TO STORM STRUCTURE
- NOTES:

1. THE EXISTING UNDERGROUND UTILITIES WERE OBTAINED FROM VARIOUS SOURCES INCLUDING, BUT NOT LIMITED TO, FIELD OBSERVATIONS) AND RECORDS MADE AVAILABLE TO CREATE A COMPOSITE DRAWING OF EXISTING CONDITIONS. THERE IS NO GUARANTEE OR WARRANTY, EXPRESSED OR IMPLIED, OF THE COMPLETENESS, CORRECTNESS OR ACCURACY OF SUCH UTILITIES IN THE AREA. EITHER IN SERVICE OR ABANDONED THE CONTRACTOR SHALL PERFORM A FIELD INVESTIGATION TO CONFIRM LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND STRUCTURES IN THE WORK AREA. IN THE EVENT UTILITY LOCATIONS OR DEPTHS DIFFER IN FIELD FROM PLAN, CONTRACTOR SHALL NOTIFY THE ENGINEER.
2. FINAL LOCATIONS AND ELEVATIONS OF PROPOSED INLETS AND BASINS SHALL BE ADJUSTED IN THE FIELD TO AVOID CONFLICTS WITH UTILITIES, AND PROVIDE POSITIVE DRAINAGE AS DIRECTED BY THE ENGINEER.
3. CONTRACTOR SHALL ASSUME ONE GAS, WATER, AND SANITARY CONNECTION EACH PER PARCEL.

- CODED NOTES:
- ① REMOVE EXISTING STORM CATCH BASIN STRUCTURE.
  - ② NOT USED
  - ③ CONTRACTOR SHALL REMOVE, STORE AND RESET EXISTING ROADWAY SIGN AND POST TO FACILITATE CONSTRUCTION.
  - ④ CONTRACTOR SHALL COORDINATE WITH FIRST ENERGY TO SCHEDULE UTILITY POLE SUPPORT DURING CONSTRUCTION. (800-589-3101)
  - ⑤ NOT USED
  - ⑥ REMOVE EXISTING STORM SEWER FROM CATCH BASIN. CATCH BASIN TO REMAIN. PLUG AND GROUT OPENING IN STRUCTURE WALL REMAINING FROM STORM SEWER REMOVAL.
  - ⑦ REPLACE TRAFFIC PAINT LINES PER ODOT ITEM 642.
  - ⑧ NOT USED
  - ⑨ NOT USED
  - ⑩ NOT USED



NO	REVISION	DATE
1	REVISED FOR ADDENDUM #2	11/11/24

**CITY OF MENTOR-ON-THE-LAKE**

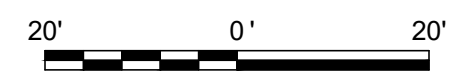
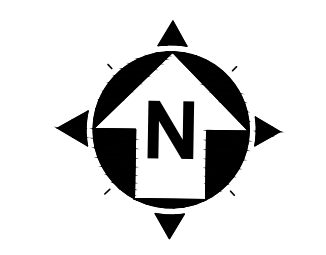
**SOUTHLAND ROAD DRAINAGE SYSTEM IMPROVEMENTS**

LAKE COUNTY, OHIO

ISSUED FOR:	BID
ISSUE DATE:	10/11/2024
SCALE:	AS SHOWN
DESIGNED BY:	JPL/PAB
DRAWN BY:	GMS/PAB
CHECKED BY:	TRL

**PLAN AND PROFILE  
19+75 TO 25+00**

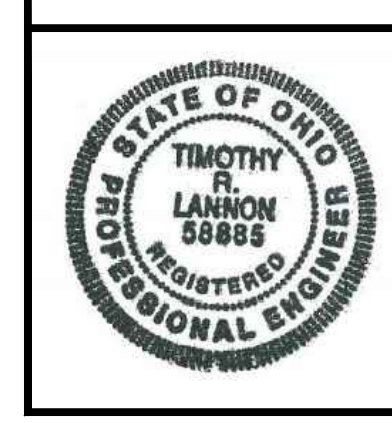
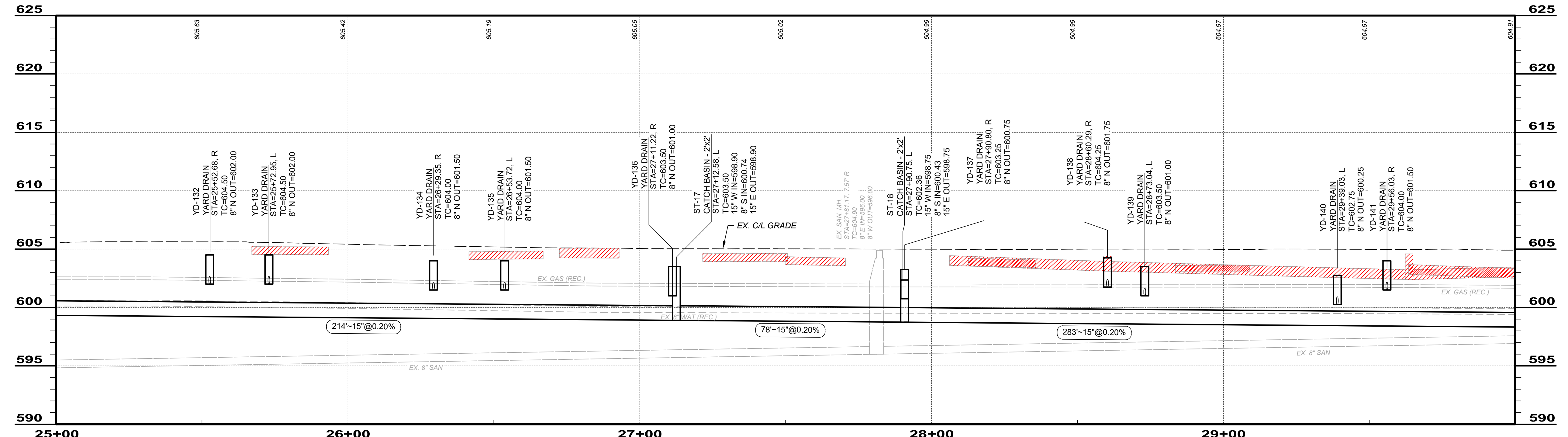
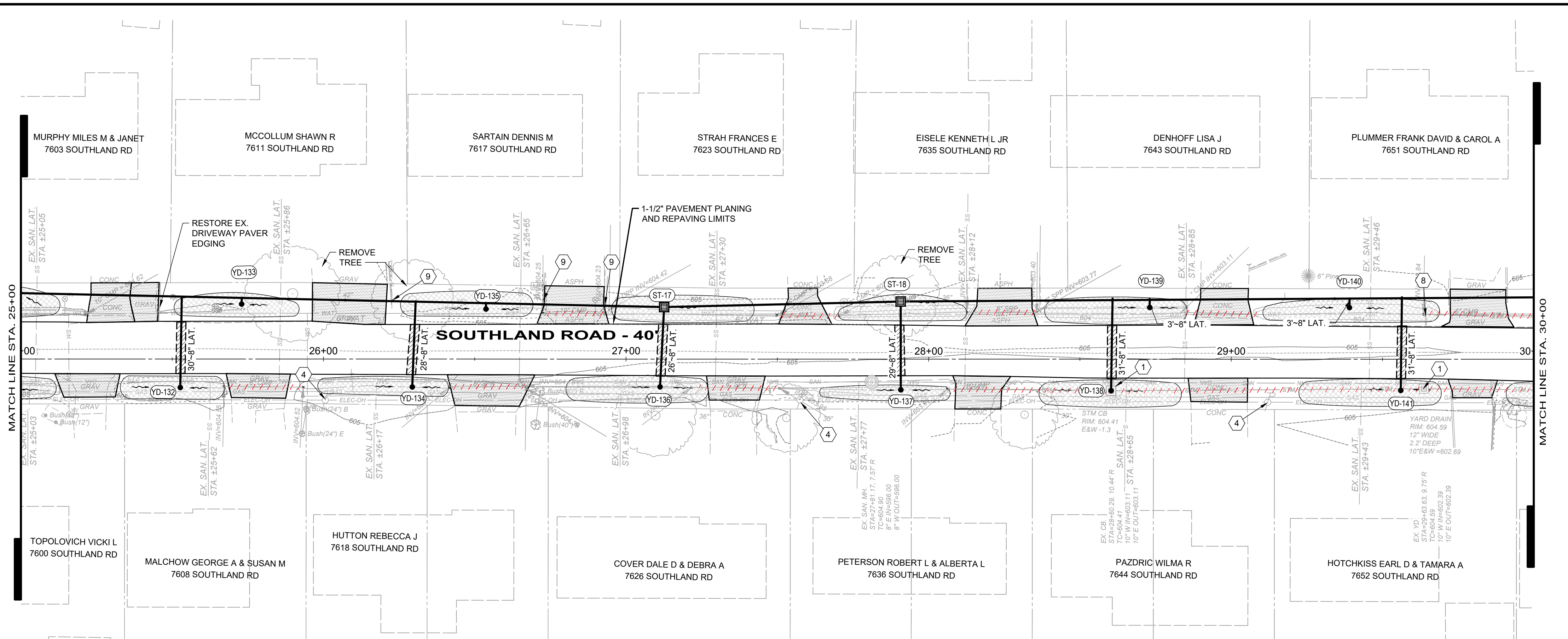
PROJECT NO.	<b>210645</b>
DISCIPLINE	<b>CIVIL</b>
SHEET NAME	<b>PP-3</b>
SHEET	OF
<b>09</b>	<b>14</b>



- LEGEND**
- EXISTING PIPE TO BE REMOVED
  - DRIVE APRON REPLACEMENT (SEE DETAILS)
  - ASPHALT CONCRETE REPLACEMENT, TYPE C (SEE DETAILS)
  - PROVIDE POSITIVE DRAINAGE TO STORM STRUCTURE

- NOTES:**
1. THE EXISTING UNDERGROUND UTILITIES WERE OBTAINED FROM VARIOUS SOURCES INCLUDING, BUT NOT LIMITED TO, FIELD OBSERVATIONS AND RECORDS MADE AVAILABLE TO CREATE A COMPOSITE DRAWING OF EXISTING CONDITIONS. THERE IS NO GUARANTEE OR WARRANTY, EXPRESSED OR IMPLIED, OF THE COMPLETENESS, CORRECTNESS OR ACCURACY OF SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE CONTRACTOR SHALL PERFORM A FIELD INVESTIGATION TO CONFIRM LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND STRUCTURES IN THE WORK AREA. IN THE EVENT UTILITY LOCATIONS OR DEPTHS DIFFER IN FILED FROM PLAN, CONTRACTOR SHALL NOTIFY THE ENGINEER.
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  3. CONTRACTOR SHALL ASSUME ONE GAS, WATER, AND SANITARY CONNECTION EACH PER PARCEL.

- CODED NOTES:**
- ① REMOVE EXISTING STORM CATCH BASIN STRUCTURE.
  - ② NOT USED
  - ③ NOT USED
  - ④ CONTRACTOR SHALL COORDINATE WITH FIRST ENERGY TO SCHEDULE UTILITY POLE SUPPORT DURING CONSTRUCTION. (800-589-3101)
  - ⑤ NOT USED
  - ⑥ NOT USED
  - ⑦ NOT USED
  - ⑧ REMOVE EXISTING HEADWALL STRUCTURE.
  - ⑨ CONTRACTOR SHALL REMOVE, AND RESTORE EXISTING SPLIT RAIL FENCE.
  - ⑩ NOT USED



NO	REVISION	DATE
1	REVISED FOR ADDENDUM #2	11/11/24

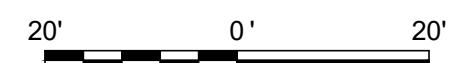
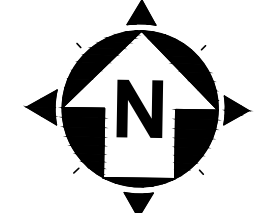
**CITY OF MENTOR-ON-THE-LAKE**

**SOUTHLAND ROAD DRAINAGE SYSTEM IMPROVEMENTS**

LAKE COUNTY, OHIO

ISSUED FOR:	BID
ISSUE DATE:	10/11/2024
SCALE:	AS SHOWN
DESIGNED BY:	JPL/PAB
DRAWN BY:	GMS/PAB
CHECKED BY:	TRL

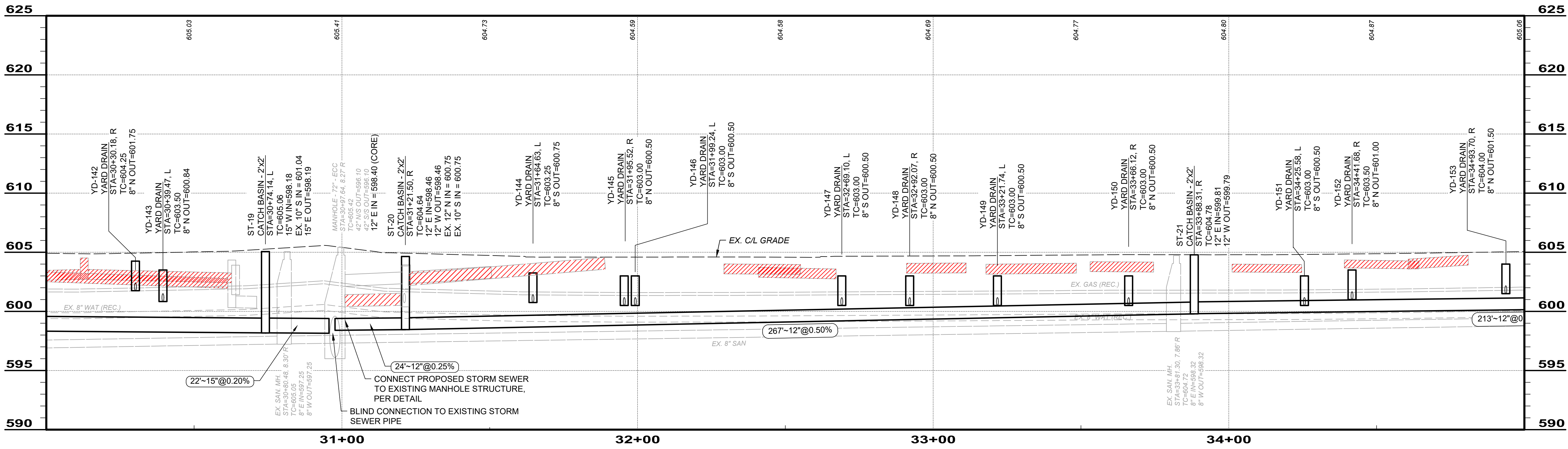
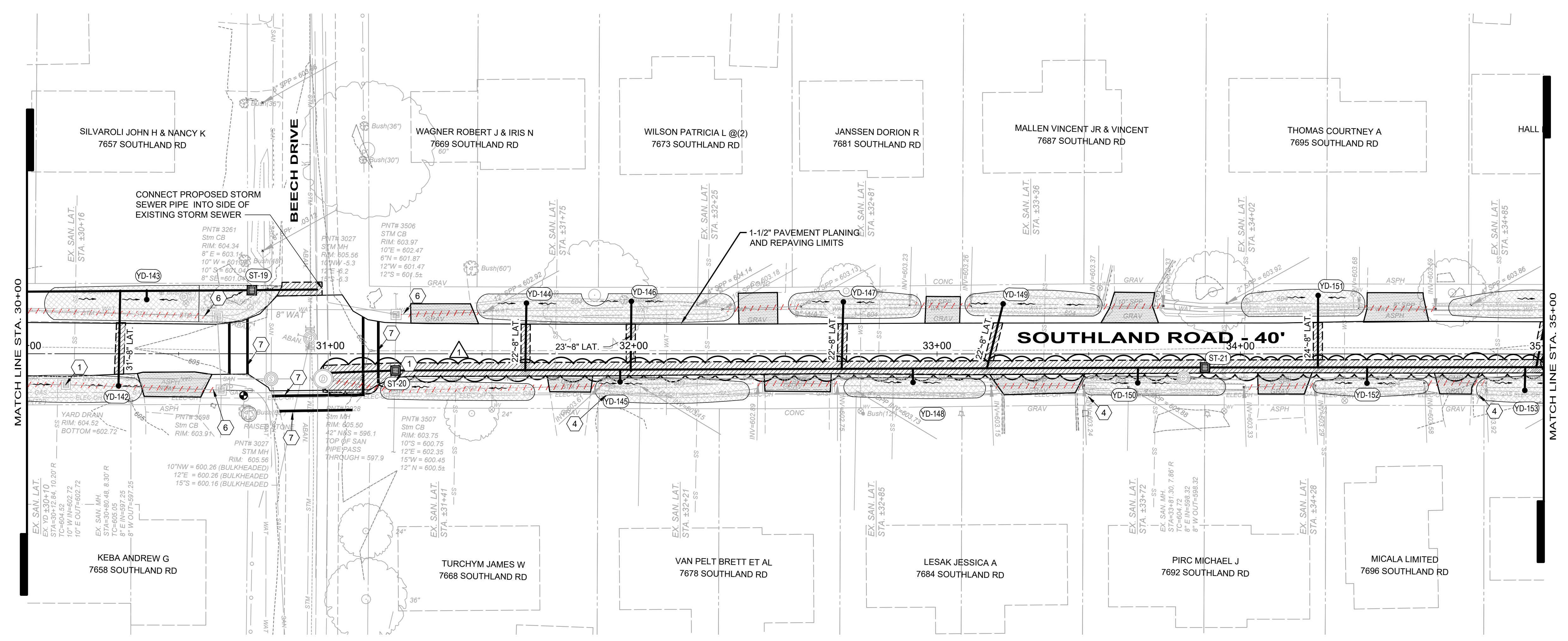
PROJECT NO.		<b>210645</b>
DISCIPLINE		<b>CIVIL</b>
SHEET NAME		<b>PP-4</b>
SHEET	OF	
<b>10</b>	<b>14</b>	



- LEGEND**
- EXISTING PIPE TO BE REMOVED
  - DRIVE APRON REPLACEMENT (SEE DETAILS)
  - ASPHALT CONCRETE REPLACEMENT, TYPE C (SEE DETAILS)
  - PROVIDE POSITIVE DRAINAGE TO STORM STRUCTURE

- NOTES:**
1. THE EXISTING UNDERGROUND UTILITIES WERE OBTAINED FROM VARIOUS SOURCES INCLUDING, BUT NOT LIMITED TO, FIELD OBSERVATIONS AND RECORDS MADE AVAILABLE TO CREATE A COMPOSITE DRAWING OF EXISTING CONDITIONS. THERE IS NO GUARANTEE OR WARRANTY, EXPRESSED OR IMPLIED, OF THE COMPLETENESS, CORRECTNESS OR ACCURACY OF SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE CONTRACTOR SHALL PERFORM A FIELD INVESTIGATION TO CONFIRM LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND STRUCTURES IN THE WORK AREA. IN THE EVENT UTILITY LOCATIONS OR DEPTHS DIFFER IN FILED FROM PLAN, CONTRACTOR SHALL NOTIFY THE ENGINEER.
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  3. CONTRACTOR SHALL ASSUME ONE GAS, WATER, AND SANITARY CONNECTION EACH PER PARCEL.

- CODED NOTES:**
- ① REMOVE EXISTING STORM CATCH BASIN STRUCTURE.
  - ② NOT USED
  - ③ NOT USED
  - ④ CONTRACTOR SHALL COORDINATE WITH FIRST ENERGY TO SCHEDULE UTILITY POLE SUPPORT DURING CONSTRUCTION. (800-589-3101)
  - ⑤ NOT USED
  - ⑥ REMOVE EXISTING STORM SEWER FROM CATCH BASIN. CATCH BASIN TO REMAIN. PLUG AND GROUT OPENING IN STRUCTURE WALL REMAINING FROM STORM SEWER REMOVAL.
  - ⑦ REPLACE TRAFFIC PAINT LINES PER ODOT ITEM 642.
  - ⑧ NOT USED
  - ⑨ NOT USED
  - ⑩ NOT USED



NO	REVISION	DATE
1	REVISED FOR ADDENDUM #2	11/11/24

**CITY OF MENTOR-ON-THE-LAKE**

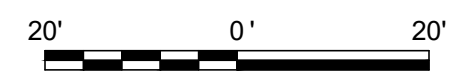
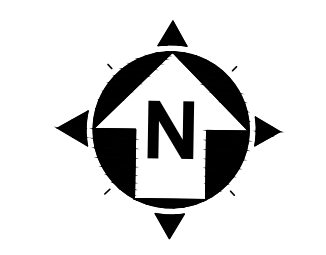
**SOUTHLAND ROAD DRAINAGE SYSTEM IMPROVEMENTS**

LAKE COUNTY, OHIO

ISSUED FOR:	BID
ISSUE DATE:	10/11/2024
SCALE:	AS SHOWN
DESIGNED BY:	JPL/PAB
DRAWN BY:	GMS/PAB
CHECKED BY:	TRL

**PLAN AND PROFILE**  
**STA 30+00 TO 35+00**

PROJECT NO.	<b>210645</b>
DISCIPLINE	<b>CIVIL</b>
SHEET NAME	<b>PP-5</b>
SHEET	OF
<b>11</b>	<b>14</b>

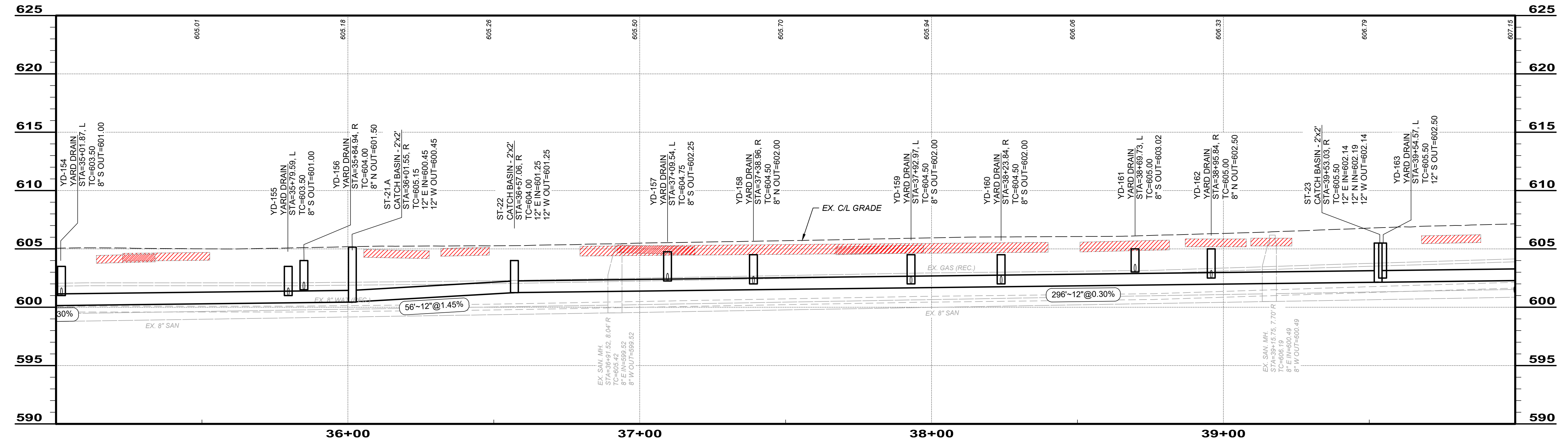
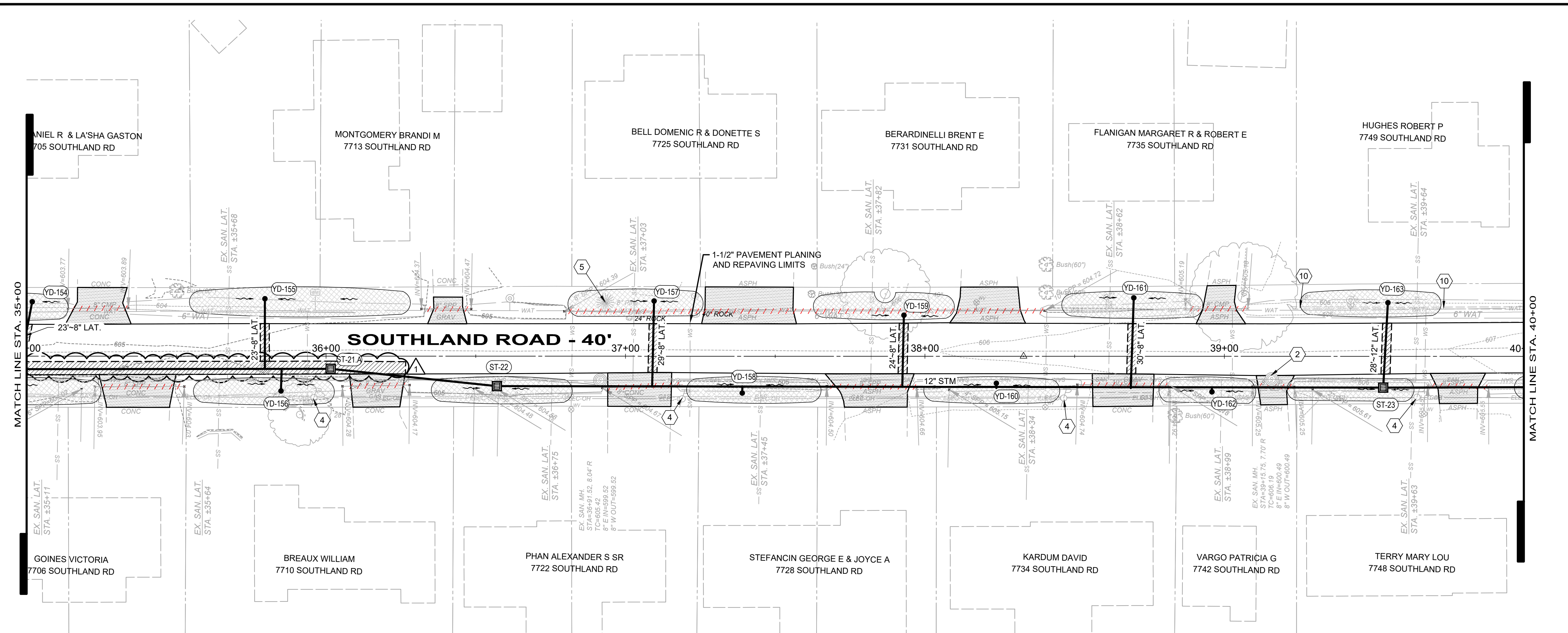


**LEGEND**

- EXISTING PIPE TO BE REMOVED
- DRIVE APRON REPLACEMENT (SEE DETAILS)
- ASPHALT CONCRETE REPLACEMENT, TYPE C (SEE DETAILS)
- PROVIDE POSITIVE DRAINAGE TO STORM STRUCTURE

- NOTES:**
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  3. CONTRACTOR SHALL ASSUME ONE GAS, WATER, AND SANITARY CONNECTION EACH PER PARCEL.

- CODED NOTES:**
- ① NOT USED
  - ② ADJUST CASTING TO MEET PAVEMENT GRADE.
  - ③ NOT USED
  - ④ CONTRACTOR SHALL COORDINATE WITH FIRST ENERGY TO SCHEDULE UTILITY POLE SUPPORT DURING CONSTRUCTION. (800-589-3101)
  - ⑤ EXISTING STUMP TO BE REMOVED.
  - ⑥ NOT USED
  - ⑦ NOT USED
  - ⑧ NOT USED
  - ⑨ NOT USED
  - ⑩ CONTRACTOR SHALL REMOVE EXISTING BRICK CHANNEL LINING. CONTRACTOR SHALL STOCKPILE BRICKS AT HOMEOWNER'S DISCRETION.



NO	REVISION	DATE
1	REVISED FOR ADDENDUM #2	11/11/24

**CITY OF MENTOR-ON-THE-LAKE**

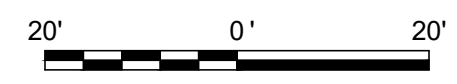
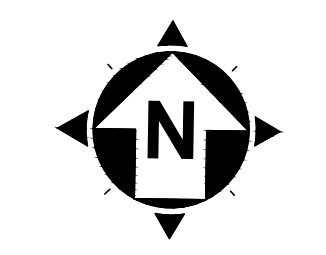
**SOUTHLAND ROAD DRAINAGE SYSTEM IMPROVEMENTS**

LAKE COUNTY, OHIO


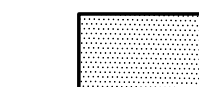


ISSUED FOR:	BID
ISSUE DATE:	10/11/2024
SCALE:	AS SHOWN
DESIGNED BY:	JPL/PAB
DRAWN BY:	GMS/PAB
CHECKED BY:	TRL

**PLAN AND PROFILE**  
**STA 35+00 TO 40+00**

PROJECT NO.	<b>210645</b>
DISCIPLINE	<b>CIVIL</b>
SHEET NAME	<b>PP-6</b>
SHEET	OF
<b>12</b>	<b>14</b>



**LEGEND**

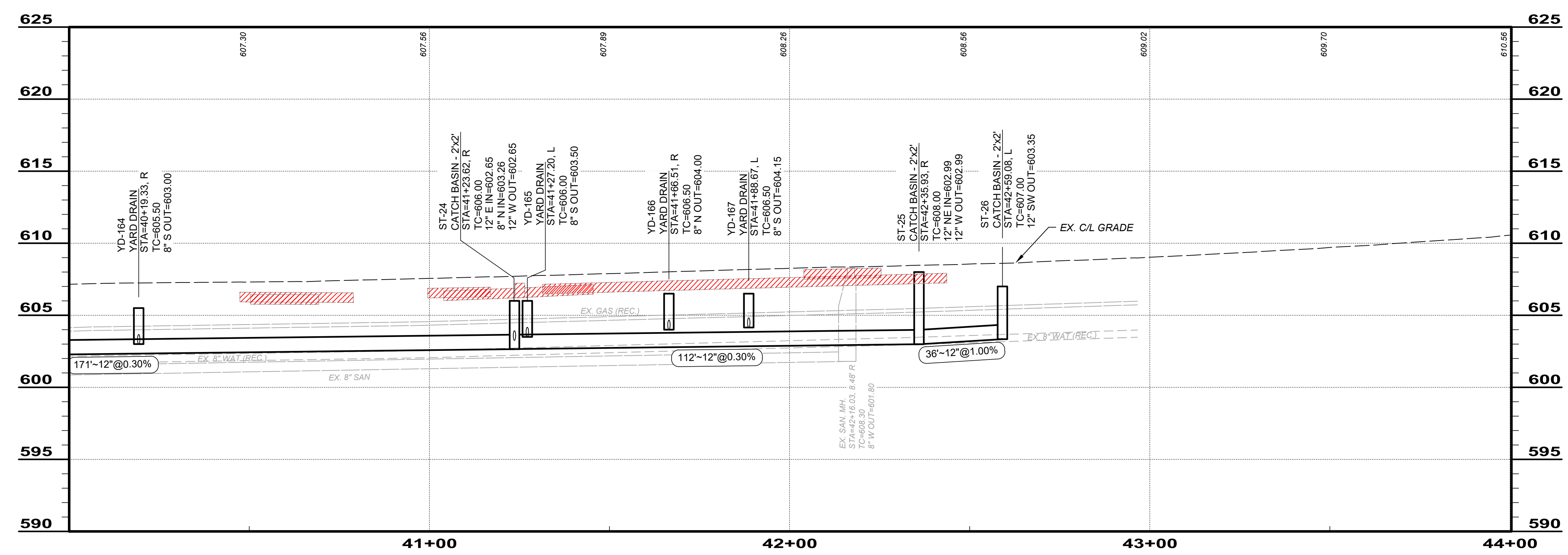
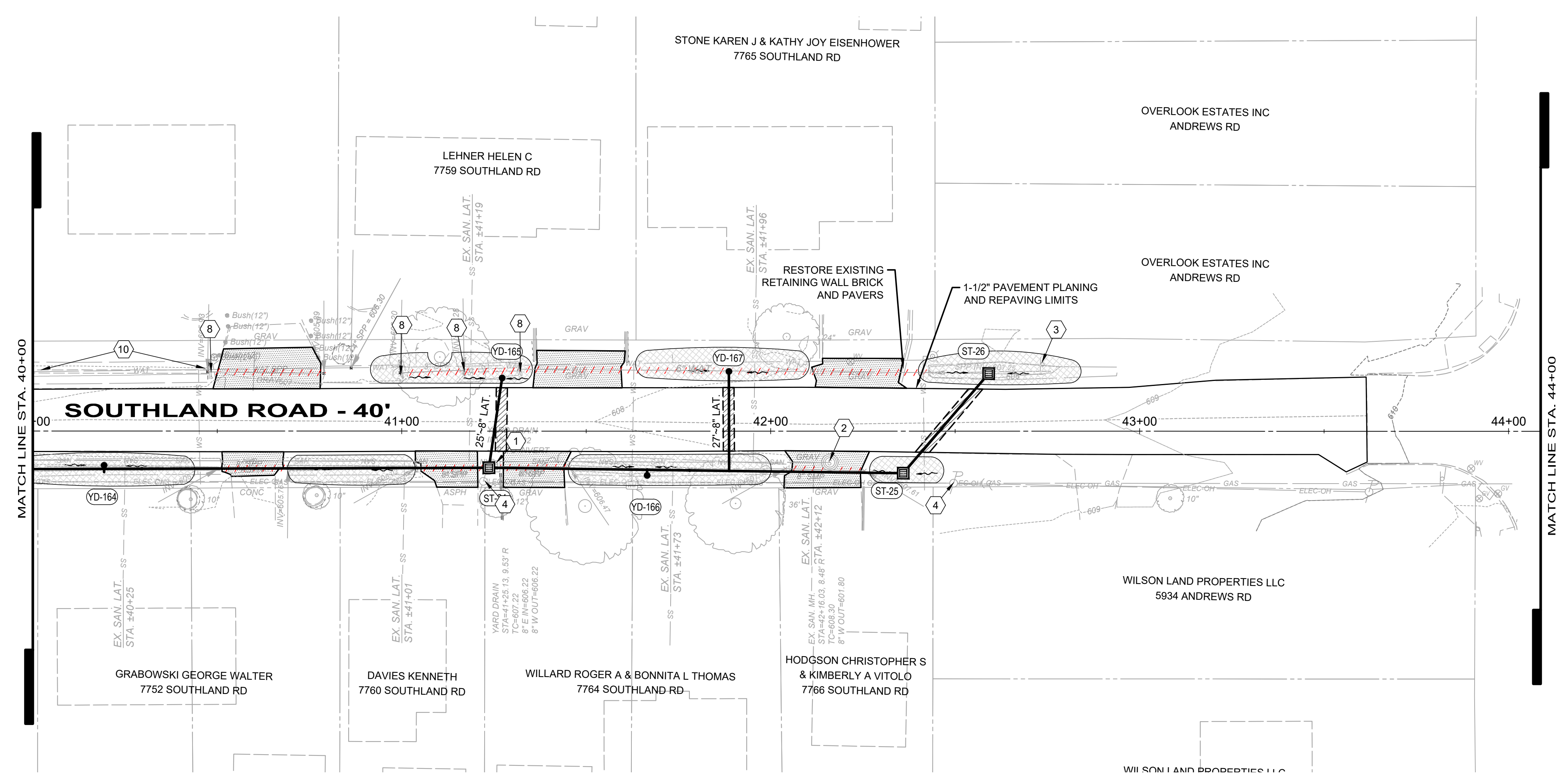
-  EXISTING PIPE TO BE REMOVED
-  DRIVE APRON REPLACEMENT (SEE DETAILS)
-  ASPHALT CONCRETE REPLACEMENT, TYPE C (SEE DETAILS)
-  PROVIDE POSITIVE DRAINAGE TO STORM STRUCTURE

**NOTES:**

1. THE EXISTING UNDERGROUND UTILITIES WERE OBTAINED FROM VARIOUS SOURCES INCLUDING, BUT NOT LIMITED TO, FIELD OBSERVATIONS AND RECORDS MADE AVAILABLE TO CREATE A COMPOSITE DRAWING OF EXISTING CONDITIONS. THERE IS NO GUARANTEE OR WARRANTY, EXPRESSED OR IMPLIED, OF THE COMPLETENESS, CORRECTNESS OR ACCURACY OF SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE CONTRACTOR SHALL PERFORM A FIELD INVESTIGATION TO CONFIRM LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND STRUCTURES IN THE WORK AREA. IN THE EVENT UTILITY LOCATIONS OR DEPTHS DIFFER IN FILED FROM PLAN, CONTRACTOR SHALL NOTIFY THE ENGINEER.
2. FINAL LOCATIONS AND ELEVATIONS OF PROPOSED INLETS AND BASINS SHALL BE ADJUSTED IN THE FIELD TO AVOID CONFLICTS WITH UTILITIES, AND PROVIDE POSITIVE DRAINAGE AS DIRECTED BY THE ENGINEER.
3. CONTRACTOR SHALL ASSUME ONE GAS, WATER, AND SANITARY CONNECTION EACH PER PARCEL.

**CODED NOTES:**

- ① REMOVE EXISTING STORM CATCH BASIN STRUCTURE.
- ② ADJUST CASTING TO MEET PAVEMENT GRADE.
- ③ CONTRACTOR SHALL REMOVE, STORE AND RESET EXISTING ROADWAY SIGN AND POST TO FACILITATE CONSTRUCTION.
- ④ CONTRACTOR SHALL COORDINATE WITH FIRST ENERGY TO SCHEDULE UTILITY POLE SUPPORT DURING CONSTRUCTION. (800-589-3101)
- ⑤ NOT USED
- ⑥ NOT USED
- ⑦ NOT USED
- ⑧ REMOVE EXISTING HEADWALL STRUCTURE.
- ⑨ NOT USED
- ⑩ CONTRACTOR SHALL REMOVE EXISTING BRICK CHANNEL LINING. CONTRACTOR SHALL STOCKPILE BRICKS AT HOMEOWNER'S DISCRETION.



NO	REVISION	DATE
1	REVISED FOR ADDENDUM #2	11/11/24

**CITY OF MENTOR-ON-THE-LAKE**

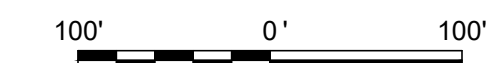
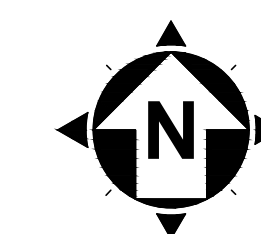
**SOUTHLAND ROAD DRAINAGE SYSTEM IMPROVEMENTS**

LAKE COUNTY, OHIO

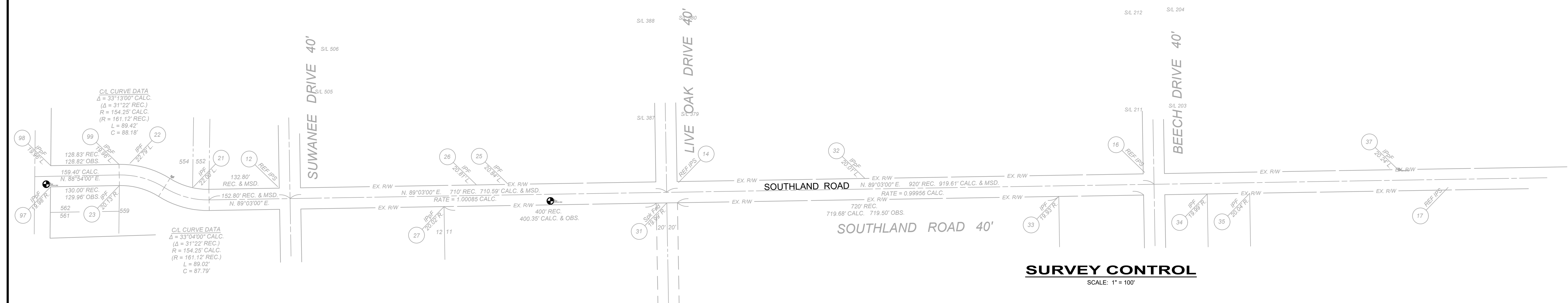
ISSUED FOR:	BID
ISSUE DATE:	10/11/2024
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DRAWN BY:	GMS/PAB
CHECKED BY:	TRL

**PLAN AND PROFILE  
STA 40+00 TO 44+00**

PROJECT NO.	<b>210645</b>
DISCIPLINE	<b>CIVIL</b>
SHEET NAME	<b>PP-7</b>
SHEET	<b>13</b>
OF	<b>14</b>



MENTOR BEACH PARK NO. 2  
F-7



**SURVEY CONTROL**  
SCALE: 1" = 100'

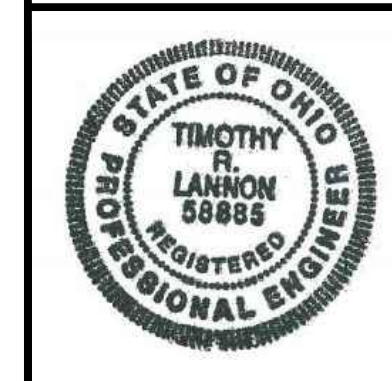
**LEGEND:**

- CENTERLINE MONUMENT
- CONCRETE MONUMENT FOUND
- 5/8" REBAR SET W/RED CAP INSCRIBED "CT CONSULTANTS"
- EX. R/W LIMITS OF PUBLIC R/W
- CENTERLINE PUBLIC R/W
- PARCEL LINES

**NOTES:**

1. THIS PLAN HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY BE SUBJECT TO EASEMENTS AND OTHER RESTRICTIONS. EITHER RECORDED OR UNRECORDED. THE SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS, RECORD ENCUMBRANCES, RESTRICTIVE COVENANTS OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.
2. THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.
3. THE PROJECT CONTROL COORDINATE SYSTEM IS BASED UPON THE FOLLOWING:
  - HORIZONTAL DATUM - PROJECT CONTROL COORDINATES FOR THIS PROJECT HAVE BEEN ESTABLISHED BY GPS/RTK OBSERVATIONS UTILIZING THE OHIO COORDINATE SYSTEM OF 1983 (ZONE 3401-OHIO NORTH). OHIO STATE PLANE GRID COORDINATE VALUES ARE EXPRESSED IN UNITS OF U.S. SURVEY FEET.
  - VERTICAL DATUM - NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. THE SURVEY AND STREET ALIGNMENTS SHOWN HEREON WERE OBSERVED IN THE FIELD FOR CONSTRUCTION PURPOSES ONLY AND MAY NOT BE SUITABLE FOR PROPERTY LINE SURVEYS OR OTHER PURPOSES. THE PROPERTY LINES SHOWN HEREON OUR SUBJECT TO AN ACCURATE BOUNDARY SURVEY AND ARE BASED ON FOUND MONUMENTS LOCATED IN THE FIELD BEST FIT TO THE RECORDS.
5. AN ALTA/ NSPS LAND TITLE SURVEY WAS NOT PERFORMED.
6. EASEMENTS, RECORD RESTRICTIONS AND SETBACKS WERE NOT ADDRESSED DURING THIS SURVEY.
7. ALL DIMENSIONS GIVEN ARE EXPRESSED IN US SURVEY FEET.
8. THE BENCHMARK ELEVATIONS SHOWN IN THE PROJECT CONTROL TABLE ARE AT THE TOP OF THE RED CAP OF THE IRON PIN SET.
9. IRON PINS SET ARE 5/8" IRON PINS SET WITH A RED CAP INSCRIBED WITH "CT REF"

No.	Northing	Easting	Elev.	Desc.
1	746454.3213	2275948.421	603.709	SCIPIS
2	746435.8403	2276424.718	604.905	SCIPIS
3	746409.705	2276864.35	604.505	SCIPIS
4	746443.617	2277180.766	606.198	SCIPIS
5	746422.8179	2277523.879	604.935	SCIPIS
12	746435.8462	2276424.707	604.917	SCIPIS
13	746409.8195	2276864.384	604.685	SCIPIS
14	746443.5758	2277180.758	606.164	SCIPIS
15	746422.9343	2277523.869	605.042	SCIPIS
16	746462.8109	2278060.214	605.273	SCIPIS
17	746434.551	2278632.626	605.147	SCIPIS
18	746481.6064	2279259.169	608.359	SCIPIS
20	746440.5585	2275987.887	603.916	SCBMS
21	746435.5334	2276265.71	605.244	SCIPIF
22	746479.9281	2276145.865	606.636	SCIPIF
23	746437.8316	2276125.974	604.016	SCIPIF
24	746402.5873	2276939.523	605.339	SCIPPF
25	746440.9903	2276858.823	605.583	SCIPIF
26	746439.9586	2276798.817	605.149	SCIPIF
27	746398.1223	2276738.466	604.904	SCIPPF
28	746408.9448	2276939.071	606.024	SCBMS
29	746680.2439	2277141.975	603.755	SCMNS
30	746546.2202	2277177.048	604.714	SCIPIF
31	746405.1233	2277158.757	606.213	SCSPF
32	746451.3324	2277532.594	605.227	SCIPPF
33	746417.4414	2277898.154	604.761	SCIPIF
34	746422.0281	2278178.31	604.54	SCIPIF
35	746423.3131	2278258.339	604.595	SCIPIF
37	746468.2344	2278538.101	604.823	SCIPPF
51	746454.2937	2275948.292	603.631	SCIPIF
52	746435.797	2276424.603	604.797	SCIPIF
96	746454.808	2276222.558	603.937	SCIPIF
97	746435.49	2275996.042	602.91	SCIPPF
98	746475.441	2275996.468	602.765	SCIPPF
99	746477.911	2276125.236	606.834	SCIPPF
137	746468.16	2278537.848	604.474	SCIPF (37 Reobserved - bent)



NO	REVISION	DATE

**CITY OF MENTOR-ON-THE-LAKE**

**SOUTHLAND ROAD DRAINAGE  
SYSTEM IMPROVEMENTS**

LAKE COUNTY, OHIO

ISSUED FOR:	BID
ISSUE DATE:	10/11/2024
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**210645**

**CIVIL**

**SC-1**

SHEET **14** OF **14**

PROJECT NO.	210645
DISCIPLINE	CIVIL
SHEET NAME	SC-1
SHEET	14
OF	14