

ADDENDUM No. 2

RFP No. 26-11

N. University and Thayer Improvements

Updated Due Date: February 20, 2026, at 11:00 A.M. (local time)

The information contained herein shall take precedence over the original documents and all previous addenda (if any) and is appended thereto. **This Addendum includes two hundred nine (209) pages (202 sheets as attachments).**

The Proposer is to acknowledge receipt of this Addendum No. 2 by signing and submitting Attachment B, including all attachments in its Proposal by so indicating in the proposal that the addendum has been received. Proposals submitted without acknowledgement of receipt of this addendum may be considered non-conforming.

The following forms provided within the RFP Document should be included in submitted proposal:

- Attachment B - General Declarations
- Attachment D - Prevailing Wage Declaration of Compliance
- Attachment E - Living Wage Declaration of Compliance
- Attachment G - Vendor Conflict of Interest Disclosure Form
- Attachment H - Non-Discrimination Declaration of Compliance

Proposals that fail to provide these completed forms listed above upon proposal opening may be rejected as non-responsive and may not be considered for award.

I. CORRECTIONS/ADDITIONS/DELETIONS

Changes to the RFP documents which are outlined below are referenced to a page or Section in which they appear conspicuously. Offerors are to take note in its review of the documents and include these changes as they may affect work or details in other areas not specifically referenced here.

Section/Page(s)

Change

All mentions as provided in RFP No. 26-11 Document: "Proposal Due Date February 17, 2026, by 11:00 a.m. (local time)."

As updated herein: Proposal Due Date: February 20, 2026, by 11 a.m. (local time).

Comment: The Due Date and Time for responses to this RFP has been extended to February 20, 2026, by 11 a.m. (local time). Note that all other dates are unchanged.

Schedule of Pricing/Cost
Section III, Part E Replaced in its entirety. Updated and added new pay items and quantities.

Detail Specifications,
Conduit, Schedule
___ PVC, ___ In.
Pages 1-2 Removed. Refer to City of Ann Arbor 2025 Standard Specifications for details of the pay item.

Plan Sheet 22	Note for aggregate base for utility trench has been revised from Aggregate Base, 15 in, to 21AA to Aggregate Base, 17 in, 21AA.
Plan Sheet 40	Storm sewer alignment revised between Structure R-19 to R-20, and R-19 to R-22.
Plan Sheets 42-43	Plan and profile updated to reflect changes between Structure R-19 to R-20, and R-19 to R-22. The rim elevation for structure R-6 was also updated.
Plan Sheets 44-48	“CONC, SIDEWALK, DRIVE APPROACH, OR RAMP, 6 IN., HIGH EARLY” & “CONC, SIDEWALK, DRIVE APPROACH, OR RAMP, 8 IN., HIGH EARLY” added to construction key. Drive entrances modified to reflect utilization of high early concrete and quantities revised to reflect these changes.
Plan Sheet 49	Updated to reflect revised light pole locations.
Plan Sheet 52-54	Updated to reflect revised light pole locations. The valve box rim elevation was also revised.
Plan Sheet 64-66	Light pole location and conduit alignment revised.
Plan Sheet 67	Luminaire schedule and fixture wattage and distribution revised.
Plan Sheet 69-70	Lighting calculation summary and luminaire schedule updated to reflect revised light pole locations and fixtures. The photometric plan was updated to reflect revised light pole locations and fixtures.
Sewer Inspection Report	Reports for sewer inspection for storm and sanitary in the project limits has been added as part of this addendum. See Question 12 in Section II.

II. QUESTIONS AND ANSWERS

The following Questions have been received by the City. Responses are being provided in accordance with the terms of the RFP. Respondents are directed to take note in their review of the documents of the following questions and City responses as they affect work or details in other areas not specifically referenced here.

Question 1: What is the estimated cost of construction (for bonding purposes)?

Answer 1: The estimated construction cost is \$6.5 million.

Question 2: Can you provide an excel file version of the bid form for submission?

Answer 2: Yes. Please email Mark McCulloch (mmcculloch@a2gov.org) to request the bid form in excel format. Note that the responder is responsible for any calculations using the provided excel form and that the quantities must match those provided in the PDF version of the RFP.

- Question 3: Will the project construction staking be performed by the City PSAA or by Wade Trim?
- Answer 3: Construction staking will be provided by Wade Trim.
- Question 4: Do you know which material testing company will be utilized for this project?
- Answer 4: The City has selected NTH for material testing.
- Question 5: Will this project be administered by a third-party engineering firm, or by the City PSAA?
- Answer 5: The project will be administered by Wade Trim.
- Question 6: I did not see a pay item for HMA hand patching. Was this an omission?
- Answer 6: The pay item "Hand Patching" was added to this addendum for work related to the restoration of a water line stop.
- Question 7: Can MDOT Class II limestone sand be used for this project?
- Answer 7: No. Class II limestone sand may not be substituted for this project.
- Question 8: Does 6A stone used for the project (utility construction – not including aggregate used for CIP Portland cement concrete or HMA mixes) need to meet the specifications of MDOT Table 902-1 AND 902-2? (There is an available 6A limestone material available that meets the MDOT gradation but is not MDOT certified. Please confirm if the 6A material for this project is required to be MDOT certified or if a crushed limestone meeting the MDOT 6A gradation will be acceptable for this project.)
- Answer 8: Yes. 6A stone must meet the specifications referenced in MDOT Tables 902-1 and 902-2. MDOT-certified 6AA materials are also acceptable
- Question 9: Are the aggregate(s), pavement replacement(s) and / or turf restoration(s) as required for temporary line stop installation incidental to the line stop pay item or will they be paid for separately? See question 6 above regarding HMA hand patching as it may apply.
- Answer 9: Refer to City of Ann Arbor 2025 Standard Specifications, Article 10, Section II, Sub-section O and Article 11, Section II, Sub-section PP. Pavement restoration will be paid separately. All other work will be paid for as part of the temporary line stop pay item.
- Question 10: Please clarify if ALL (proposed and existing structures) require external / interior chimney seals for ALL (sanitary, storm, water, etc.) structures. If not, please clarify which structures (both new and existing) will require chimney seals and of which type (interior / exterior). The standard details and specifications for Sanitary Manholes, Gate Wells, and Storm Manholes note external chimney seals. The structure cover adjust standard detail, SD-GU-5, does not note external chimney seals.
- Answer 10: All sanitary and storm manholes and water gate wells require external seals. The internal seals are only required for sanitary manholes.

- Question 11: Please confirm that “Storm Structure Cover, Adjust” does NOT include new lids / covers.
- Answer 11: “Storm Structure Cover, Adjust” shall reuse the existing cover.
- Question 12: Please provide the last sewer inspection report / video for review prior to the bid date.
- Answer 12: The sewer inspection report for the project limits (63 pages) has been added to Addendum No. 2. Please email Mark McCulloch (mmcculloch@a2gov.org) to request a copy of the video from the inspection.
- Question 13: Please provide the Detailed Specifications for "DS _ Brick Pavers, Sidewalk, Rem and Reinstall".
- Answer 13: This item is to follow the City of Ann Arbor 2025 Standard Specifications for “Brick Pavers, Sidewalk, Rem and Reinstall”. Special provision indication “DS_” has removed from bid tab as a part of the addendum.
- Question 14: Should the pay item for "DS _ Irrigation, Remove And Replace" be an allowance? There is no way to quantify this work prior to the bid.
- Answer 14: “DS_Irrigation, Remove and Replace” includes the removal and installation of irrigation service, meter pit and quick coupler at Sta 202+25 as indicated in the plans.
- Question 15: Should there be pay items(s) for high early concrete?
- Answer 15: The pay item ‘Conc, Sidewalk, Drive Approach, or Ramp, _ In., High Early’ has been added to the contract for driveway approaches.
- Question 16: Please specify which water service connection(s) / water main connection(s) will require non-standard working hours for completion.
- Answer 16: The contractor may be required to perform water main shutdowns outside of standard working hours. Specific locations are unknown at this time. Decisions will be made as part of coordination with the University or building owner. The contractor will be responsible for coordinating with the Engineer, the City of Ann Arbor, and the adjacent property owners in scheduling water main/water service shutdowns. Operations during non-standard working hours shall not be paid for extra additional cost.
- Question 17: Please indicate any part width construction / scheduling restrictions for concrete work to be installed for pedestrian building access.
- Answer 17: This information is not known at this time. Decisions will be made as part of coordination with the University or building owner. The contractor will be responsible for coordinating with the Engineer, the City of Ann Arbor, adjacent building owners and the Fire Marshal in maintaining building ingress and egress.

- Question 18: I assume the Owner will pay for any on-street parking meter related fees, head removals, and replacements, correct?
- Answer 18: The contractor will not be required to pay for lost revenue related to parking spaces when construction is ongoing. The DDA contractor will remove the meter heads at the beginning of construction and place the meter heads back on the post once the contractor has installed them per the plans.
- Question 19: Please clarify that pedestrian barricades and channelizers will be paid for one time at the maximum quantity utilized for the project, regardless of required mobilization / demobilization between phases.
- Answer 19: Payment for pedestrian barricades and channelizers is paid once it is delivered to the project site. No additional payment is provided to the contractor, regardless of the number of relocations occurred as directed by the Engineer.
- Question 20: For the existing water main pipe being abandoned, will filling the pipes with flowable fill be required? Or will the existing water main be abandoned in place?
- Answer 20: Existing water main pipe is to be abandoned per the City of Ann Arbor 2025 Standard Specifications, Article 10, Section II, Sub-section BB unless otherwise noted on the plans or as directed by Engineer.
- Question 21: What is the scope and limits of the pay item "HMA, Any Thickness, HMA"? Does this just cover the limits of the temp HMA within the water main trench?
- Answer 21: The pay item "HMA, Any Thickness, Rem" includes the removal of temporary HMA within the limits of the water main, storm sewer and sanitary sewer trench.
- Question 22: Are chimney seals incidental to the pay items for storm manholes, sanitary manholes & gate well structures?
- Answer 22: Chimney seals for existing and proposed structures will be paid via the pay items 'Internal Chimney Seal' and 'External Chimney Seal.'
- Question 23: Do pay items "Internal Chimney Seal" & "External Chimney Seal" pertain to existing storm, sanitary and gate well structures within the roadway?
- Answer 23: Refer to answer 10.
- Question 24: Does pay item "Sanitary Structure Cover, Adjust" for new and existing sanitary manholes? How is the cover for existing sanitary manholes paid?
- Answer 24: 'Sanitary Structure Cover, Adjust' includes the adjustment of existing sanitary manholes. Adjustment of new sanitary sewer manholes to be included in sanitary manhole pay item. "Sanitary Structure Cover, Adjust" shall reuse the existing cover.
- Question 25: Does pay item "Storm Structure Cover, Adjust" for new and existing storm manholes & inlets? How is the cover for existing storm manholes paid?
- Answer 25: "Storm Structure Cover, Adjust" includes the adjustment of existing storm manholes & inlets. Adjustment of new storm sewer manholes & inlets to be included in storm structure pay item. "Storm Structure Cover, Adjust" shall reuse the existing cover.

Question 26: How is the adjustment of new gate well structures and new gate valve boxes paid?

Question 26: Adjustment of new gate well structures and gate valve boxes to be paid as 'Gate Valve in Box, ___In.' and 'Gate Valve in Well, ___In.'

Question 27: Pertaining to pay item "DS_Water Service, 6 In., Drilled". It appears based on the space & existing utilities within the basement of the Michigan League, there are issues with coring the proposed hole for the piping/link seal from within the basement. There also may be potential issues with existing utilities within the proposed bore path of the 6" HDPE pipe. Can consideration be paid to allow open cutting of the 6" water service to outside the basement wall, and the wall to be cored from the outside instead of from the basement?

Answer 27: The answer to this question will be provided in Addendum No. 3.

Question 28: On sheet 22, for the cross section of the pre-art fair phase on Thayer St, it shows 15" 21AA aggregate base to be placed within the trench areas. How is this aggregate base paid for? There is no current item in the bid item list.

Answer 28: The pay item was changed to 17" 21AA aggregate base.

Question 29: Can clarification be provided for the pay item "DS_Irrigation, Remove and Replace"? It appears that an existing irrigation service, meter pit & quick coupler are being removed and replaced at Sta ~202+25 on North University. Is this the extent of the irrigation work on this project?

Answer 29: "DS_Irrigation, Remove and Replace" includes the removal and installation of irrigation service, meter pit and quick coupler at Sta 202+25 as indicated on the plans.

Question 30: Can a pay item be added for excavating and backfilling the copper water services to be installed/transferred by the City? I did not see this item on the bid item list.

Answer 30: The pay item 'Excavate & Backfill for Water Service Tap and Lead' has been added to bid tab.

Question 31: A pay item is missing for "DS _ Planter Wall, 24 Inch" or "24" PiP Planter Wall".

Answer 31: The pay item 'DS_Planter Wall, 24 Inch' has been added to the bid tab.

Question 32: Can you please clarify if the "Pedestrian Channelizer Device, Furn & Oper" will be paid by LF or by EACH? The detailed specification and Bid form do not agree on method of measurement.

Answer 32: The pay item 'Pedestrian Channelizer Device, Furn & Oper' will be paid for by the unit Each. The bid tab has been updated to reflect this change.

Question 33: Can "DS _ Water Service , 6 in, Drilled" be installed via open cut construction? It sounded like this would be an option the University would consider at the on-site meeting. If so:

- a. Could DIP be utilized in lieu of HDPE pipe?
- b. Would the required removal and restoration be incidental to this pay item or would they be paid for separately?

Answer 33: The answer to this question will be provided in Addendum No. 3.

Question 34: Please provide as-built drawing of the existing foundation system of the Michigan League building.

Answer 34: The answer to this question will be provided in Addendum No. 3.

Question 35: If this water service must be drilled, will exploratory excavations be paid for to locate any potential utility conflicts prior to installation?

a. How will removals / restoration for these utility locates be paid?

Answer 35: The answer to this question will be provided in Addendum No. 3.

Question 36: Please verify that the mechanical room construction (by Others) will be complete prior to the installation of the proposed water service.

Answer 36: The answer to this question will be provided in Addendum No. 3.

Question 37: Please provide the available working hours for the Michigan League building.

Answer 37: The bidder is to refer to answer 16.

Question 38: Could the service (from GVB7 to the building) be removed from this contract and added to the U of M project?

Answer 38: The answer to this question will be provided in Addendum No. 3.

Question 39: There is no pay item for "Excavate and Backfill for Water Service Tap and Lead" (smaller than 4"). The plans show multiple services.

Answer 39: The bidder is to refer to answer 30.

Question 40: Please provide a MINIMUM length that will be paid for a short side water service transfer. The method of payment for "Excavate and Backfill for Water Service Tap and Lead" is written such that short side transfers are impossible to price in a manner that is fair to the City and the Contractor. (See Article 11, Section OO, Item 12 – Last Sentence (Page 11-40)).

Answer 40: Minimum length that will be paid for short side water service transfer shall be 5 feet.

Offerors are responsible for any conclusions that they may draw from the information contained in the Addendum.

E. Schedule of Pricing/Cost – 20 Points

Company:

Project: N. University & Thayer Improvements

File #: 2023-023

RFP#: 26-11

ITEM NUMBER	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
General					
01000.00	General Conditions, Max. \$ 300,000.00	Lump Sum	1	\$ _____	\$ _____
01001.00	Project Supervision, Max. \$ 120,000.00	Lump Sum	1	\$ _____	\$ _____
01002.70	DS_Project Clean-up	Lump Sum	1	\$ _____	\$ _____
01002.71	DS_Pavt Cleaning	Lump Sum	1	\$ _____	\$ _____
01003.00	Digital Audio Visual Coverage	Lump Sum	1	\$ _____	\$ _____
01020.00	Erosion Control, Inlet Protection, Fabric Drop	Each	25	\$ _____	\$ _____
01022.00	Erosion Control, Silt Fence	Foot	800	\$ _____	\$ _____
01030.00	Tree Protection Fence	Foot	268	\$ _____	\$ _____
01040.00	Minor Traffic Control, Max. \$80,000.00	Lump Sum	1	\$ _____	\$ _____
01041.00	Traffic Regulator Control	Lump Sum	1	\$ _____	\$ _____
01050.00	Sign, Type B, Temp, Prismatic, Furn & Oper	Square Foot	648	\$ _____	\$ _____
01051.00	Sign, Type B, Temp, Prismatic, Special, Furn & Oper	Square Foot	398	\$ _____	\$ _____
01051.70	DS_Sign, Type A, Temp, Prismatic, Furn & Oper	Square Foot	7	\$ _____	\$ _____
01062.00	Lighted Arrow, Type C, Furn and Oper	Each	2	\$ _____	\$ _____
01070.00	Sign, Portable, Changeable Message, Furn & Oper	Each	2	\$ _____	\$ _____
01080.00	Plastic Drum, High Intensity, Lighted, Furn & Oper	Each	120	\$ _____	\$ _____
01092.00	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn & Oper	Each	50	\$ _____	\$ _____
01100.00	Pedestrian Type II Barricade, Temp, Furn & Oper	Each	30	\$ _____	\$ _____
01101.00	Pedestrian Channelizer Device, Furn & Oper	Each	750	\$ _____	\$ _____
01102.00	Temporary Pedestrian Ramp, Furn & Oper	Each	12	\$ _____	\$ _____
01103.00	Temporary Pedestrian Mat, Furn & Oper	Foot	100	\$ _____	\$ _____
01103.72	DS_Pedestrian Path, Temp	Foot	500	\$ _____	\$ _____
01124.00	Pavt Mrkg, Wet Reflective, Type R, Tape, Rt Turn Arrow	Each	2	\$ _____	\$ _____
01169.70	DS_Trapezoid Delineator, Any Size	Foot	346	\$ _____	\$ _____
Removals					
02000.01	Tree, Rem, 6 In. - 12 In.	Each	15	\$ _____	\$ _____
02021.00	HMA, Any Thickness, Rem	Square Yard	164	\$ _____	\$ _____
02022.70	DS_Cold Milling for Concrete Curb and Gutter Reveal	Square Yard	640	\$ _____	\$ _____
02023.00	Cold-Milling HMA Surface	Square Yard	1,465	\$ _____	\$ _____
TOTAL THIS PAGE (BF-1)					\$ _____

E. Schedule of Pricing/Cost – 20 Points**Company:****Project: N. University & Thayer Improvements****File #: 2023-023****RFP#: 26-11**

ITEM NUMBER	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
02025.71	DS_Pavement, Remove, Modified	Square Yard	6,391	\$ _____	\$ _____
02030.00	Curb, Gutter, and Curb and Gutter, Any Type, Rem	Foot	3,838	\$ _____	\$ _____
02040.00	Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem	Square Foot	31,586	\$ _____	\$ _____
02050.00	Sign, Rem, Salv	Each	25	\$ _____	\$ _____
02060.70	DS_Trolley Track, Remove	Square Yard	1,000	\$ _____	\$ _____
02070.70	DS_Parking Markers, Rem	Each	7	\$ _____	\$ _____
02080.70	DS_Planter Box, Rem	Foot	644	\$ _____	\$ _____
02080.71	DS_Bollard, Rem	Each	26	\$ _____	\$ _____
02080.72	DS_Qwick Curb, Rem	Foot	130	\$ _____	\$ _____
02080.73	DS_Bench, Rem, Salv	Each	1	\$ _____	\$ _____
02080.74	DS_Bike Rack, Rem, Salv	Each	4	\$ _____	\$ _____
02080.75	DS_Tunnel, Rem	Cubic Yard	38	\$ _____	\$ _____
Earthwork					
03000.70	DS_Machine Grading, Modified	Station	17	\$ _____	\$ _____
03021.00	Subgrade Undercutting, Type II	Cubic Yard	175	\$ _____	\$ _____
03022.00	Subgrade Undercutting, Type III	Cubic Yard	50	\$ _____	\$ _____
03030.01	Exploratory Excavation, SD-TD-1 , (0-10' deep)	Each	16	\$ _____	\$ _____
Sanitary Sewer					
04000.01	8 In., SDR 26 PVC Sanitary Sewer, SD-TD-2	Foot	104	\$ _____	\$ _____
04014.70	DS_4 In., SDR 26 PVC Sanitary Service Lead, SD-TD-2	Foot	20	\$ _____	\$ _____
04014.71	DS_6 In., SDR 26 PVC Sanitary Service Lead, SD-TD-2	Foot	111	\$ _____	\$ _____
04014.72	DS_4 In., Sanitary Service Lead, Rem, 4 to 8 inch	Foot	50	\$ _____	\$ _____
04030.01	Sanitary Manhole, 48 In. Dia. (0-8' Deep)	Each	1	\$ _____	\$ _____
04050.01	Sanitary Manhole Over Existing ("Doghouse"), 48 In. Dia.	Each	1	\$ _____	\$ _____
04060.00	Sanitary Structure Cover	Each	14	\$ _____	\$ _____
04061.00	Sanitary Structure Cover, Adjust	Each	14	\$ _____	\$ _____
04070.01	Sanitary Sewer Pipe, 8 In. Dia., Abandon	Foot	31	\$ _____	\$ _____
04080.70	DS_Trench Drain, Rem	Foot	215	\$ _____	\$ _____
04110.01	Sanitary Sewer Tap, 8 In. Dia.	Each	1	\$ _____	\$ _____
TOTAL THIS PAGE (BF-2)					\$ _____

E. Schedule of Pricing/Cost – 20 Points

Company:

Project: N. University & Thayer Improvements

File #: 2023-023

RFP#: 26-11

ITEM NUMBER	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
Sewer and Manhole Rehab					
05050.00	Internal Chimney Seal	Each	1	\$ _____	\$ _____
05051.00	External Chimney Seal	Each	25	\$ _____	\$ _____
Storm and Drainage					
06000.01	12 In., CL IV RCP Storm Sewer, SD-TD-1	Foot	701	\$ _____	\$ _____
06000.03	18 In., CL IV RCP Storm Sewer, SD-TD-1	Foot	9	\$ _____	\$ _____
06003.01	6 In., PE Storm Sewer, SD-TD-2	Foot	22	\$ _____	\$ _____
06030.04	Storm Sewer Tap, 12 In. Dia.	Each	6	\$ _____	\$ _____
06050.01	Storm Manhole, 48 In. Dia., (0-8' deep)	Each	5	\$ _____	\$ _____
06050.70	Storm Manhole, 48 In. Dia., with Leaching Base (0-8' deep)	Each	2	\$ _____	\$ _____
06070.01	Storm Single Inlet, 24 In. Dia., (0-8' deep)	Each	9	\$ _____	\$ _____
06080.71	DS_Storm Outlet Control Structure, 60 In. Dia., (0-8' deep)	Each	1	\$ _____	\$ _____
06081.01	Storm High Capacity Inlet, 48 In. Dia., (0-8' deep)	Each	6	\$ _____	\$ _____
06110.01	Storm Sewer Pipe, 8 In. Dia, Rem	Foot	12	\$ _____	\$ _____
06120.03	Storm Sewer Pipe, 12 In. Dia, Rem	Foot	550	\$ _____	\$ _____
06120.04	Storm Sewer Pipe, 15 In. Dia, Rem	Foot	587	\$ _____	\$ _____
06140.00	Storm Sewer Structure, Rem	Each	25	\$ _____	\$ _____
06160.01	Storm Structure Cover	Each	17	\$ _____	\$ _____
06160.02	Storm Structure Cover, Adjust	Each	17	\$ _____	\$ _____
06160.72	DS_Misc. Structure Cover, Adjust	Each	5	\$ _____	\$ _____
06300.70	DS_Infiltration Trench	Foot	443	\$ _____	\$ _____
06300.71	DS_Perforated HDPE Pipe, 12 inch	Foot	10	\$ _____	\$ _____
06303.70	DS_Storm Pretreatment Structure, First Defense, 48 In. Dia., Inlet	Each	2	\$ _____	\$ _____
06303.71	DS_Storm Pretreatment Structure, First Defense, 48 In. Dia., Solid	Each	2	\$ _____	\$ _____
06303.72	DS_Storm Pretreatment Structure, First Defense, 60 In. Dia., Solid	Each	1	\$ _____	\$ _____
06400.70	DS_Trench Drain	Foot	216	\$ _____	\$ _____
Water Mains					
07000.01	4 In., PC 350, DIP w/ polywrap, SD-TD-1	Foot	262	\$ _____	\$ _____
07000.02	6 In., PC 350, DIP w/ polywrap, SD-TD-1	Foot	123	\$ _____	\$ _____
07000.03	8 In., PC 350, DIP w/ polywrap, SD-TD-1	Foot	201	\$ _____	\$ _____
TOTAL THIS PAGE (BF-3)					\$ _____

E. Schedule of Pricing/Cost – 20 Points**Company:****Project: N. University & Thayer Improvements****File #: 2023-023****RFP#: 26-11**

ITEM NUMBER	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
07000.05	12 In., PC 350, DIP w/ polywrap, SD-TD-1	Foot	1,214	\$ _____	\$ _____
07001.01	16 In., PC 250 DIP w/polywrap, SD-TD-1	Foot	22	\$ _____	\$ _____
07004.70	DS_Water Service, 6 In., Drilled	Foot	47	\$ _____	\$ _____
07004.71	DS_Water Main Insulation	Foot	96	\$ _____	\$ _____
07009.70	DS_4 In. 45° DIP Bend	Foot	13	\$ _____	\$ _____
07010.02	6 In. 45° DIP Bend	Each	5	\$ _____	\$ _____
07011.02	8 In. 45° DIP Bend	Each	12	\$ _____	\$ _____
07011.03	8 In. 22.5° DIP Bend	Each	1	\$ _____	\$ _____
07013.02	12 In. 45° DIP Bend	Each	9	\$ _____	\$ _____
07013.03	12 In. 22.5° DIP Bend	Each	8	\$ _____	\$ _____
07014.02	16 In. 45° DIP Bend	Each	2	\$ _____	\$ _____
07020.03	8 In. x 6 In. DIP Reducer	Each	6	\$ _____	\$ _____
07020.14	16 In. x 12 In. DIP Reducer	Each	1	\$ _____	\$ _____
07030.11	12 In. x 12 In. x 4 In. DIP Tee	Each	5	\$ _____	\$ _____
07030.12	12 In. x 12 In. x 6 In. DIP Tee	Each	2	\$ _____	\$ _____
07030.13	12 In. x 12 In. x 8 In. DIP Tee	Each	8	\$ _____	\$ _____
07030.15	12 In. x 12 In. x 12 In. DIP Tee	Each	4	\$ _____	\$ _____
07050.01	Gate Valve in Box, 6 In.	Each	8	\$ _____	\$ _____
07050.02	Gate Valve in Box, 8 In.	Each	1	\$ _____	\$ _____
07050.70	DS_Gate Valve in Box, 4 In.	Each	5	\$ _____	\$ _____
07060.04	Gate Valve in Well, 12 In.	Each	14	\$ _____	\$ _____
07060.05	Gate Valve in Well, 16 In.	Each	1	\$ _____	\$ _____
07080.00	Excavate & Backfill For Water Service Tap and Lead	Foot	50	\$ _____	\$ _____
07100.00	Fire Hydrant Assembly, Complete	Each	6	\$ _____	\$ _____
07102.00	Fire Hydrant Assembly, Rem	Each	4	\$ _____	\$ _____
07120.00	Gate Box, Adjust	Each	9	\$ _____	\$ _____
07122.00	Gate Box Cover	Each	9	\$ _____	\$ _____
07130.01	Temporary Water Main Line Stop, 8 In. or Less	Each	2	\$ _____	\$ _____
07130.03	Temporary Water Main Line Stop, 12 In.	Each	4	\$ _____	\$ _____
07130.04	Temporary Water Main Line Stop, 16 In.	Each	2	\$ _____	\$ _____
TOTAL THIS PAGE (BF-4)					\$ _____

E. Schedule of Pricing/Cost – 20 Points

Company:

Project: N. University & Thayer Improvements

File #: 2023-023

RFP#: 26-11

ITEM NUMBER	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
07131.00	Temporary Water Main Line Stop, Additional Rental Day	Each	3	\$ _____	\$ _____
07140.01	Water Main Pipe, 4 In. Dia, Abandon	Foot	296	\$ _____	\$ _____
07140.02	Water Main Pipe, 6 In. Dia, Abandon	Foot	646	\$ _____	\$ _____
07140.03	Water Main Pipe, 8 In. Dia, Abandon	Foot	643	\$ _____	\$ _____
07140.05	Water Main Pipe, 12 In. Dia, Abandon	Foot	1,432	\$ _____	\$ _____
07140.07	Water Main Pipe, 16 In. Dia, Abandon	Foot	40	\$ _____	\$ _____
07150.01	Water Main Pipe, 4 In. Dia, Rem	Foot	20	\$ _____	\$ _____
07150.02	Water Main Pipe, 6 In. Dia, Rem	Foot	60	\$ _____	\$ _____
07150.03	Water Main Pipe, 8 In. Dia, Rem	Foot	70	\$ _____	\$ _____
07150.05	Water Main Pipe, 12 In. Dia, Rem	Foot	150	\$ _____	\$ _____
07170.01	Gate Valve in Box, 4 In. Dia, Rem	Each	6	\$ _____	\$ _____
07170.02	Gate Valve in Box, 6 In. Dia, Rem	Each	6	\$ _____	\$ _____
07170.03	Gate Valve in Box, 8 In. Dia, Rem	Each	2	\$ _____	\$ _____
07170.05	Gate Valve in Box, 12 In. Dia, Rem	Each	1	\$ _____	\$ _____
07190.02	Gate Valve in Well, 6 In. Dia, Rem	Each	2	\$ _____	\$ _____
07190.05	Gate Valve in Well, 12 In. Dia, Rem	Each	4	\$ _____	\$ _____
Streets, Driveways, & Sidewalks					
08000.00	Subbase, CIP	Cyd	974	\$ _____	\$ _____
08000.70	DS_Maintenance Gravel	Ton	430	\$ _____	\$ _____
08010.74	DS_Aggregate Base, 10 In., 21AA, Modified	Square Yard	6,450	\$ _____	\$ _____
08010.75	DS_Aggregate Base, 17 In., 21AA, Modified (Temporary)	Square Yard	2,100	\$ _____	\$ _____
08060.00	Hand Patching	Ton	20	\$ _____	\$ _____
08070.11	HMA, 3EML	Ton	1,134	\$ _____	\$ _____
08070.15	HMA, 4EML	Ton	753	\$ _____	\$ _____
08070.19	HMA, 5EML	Ton	773	\$ _____	\$ _____
08072.70	DS_HMA, Temp Pavt	Ton	556	\$ _____	\$ _____
08080.03	Conc Pavt, Non-Reinf, 8 In.	Square Yard	16	\$ _____	\$ _____
08090.71	DS_Joint, Contraction, Cp	Foot	76	\$ _____	\$ _____
08090.72	DS_Joint, Contraction, Crg	Foot	25	\$ _____	\$ _____
08093.70	DS_Lane Tie, Epoxy Anchored	Each	70	\$ _____	\$ _____
TOTAL THIS PAGE (BF-5)					\$ _____

E. Schedule of Pricing/Cost – 20 Points**Company:****Project: N. University & Thayer Improvements****File #: 2023-023****RFP#: 26-11**

ITEM NUMBER	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
08110.00	Conc, Curb or Curb & Gutter, All Types	Foot	3,747	\$ _____	\$ _____
08110.71	DS_Mountable Curb and Gutter	Foot	115	\$ _____	\$ _____
08131.01	Conc, Sidewalk, Drive Approach, or Ramp, 6 In.	Square Foot	5,200	\$ _____	\$ _____
08132.01	Conc, Sidewalk, Drive Approach, or Ramp, 6 In., High Early	Square Foot	2,248	\$ _____	\$ _____
08132.02	Conc, Sidewalk, Drive Approach, or Ramp, 8 In., High Early	Square Foot	170	\$ _____	\$ _____
08133.70	DS_Conc, Sidewalk, Fibermesh, 8 In.	Square Foot	29,650	\$ _____	\$ _____
08133.71	DS_Conc, Sidewalk Ramp, Fibermesh, 8 In.	Square Foot	3,181	\$ _____	\$ _____
08133.71	DS_Handrail	Foot	70	\$ _____	\$ _____
08133.72	DS_Conc, Sidewalk, Fibermesh, 9 In., Raised	Square Foot	2,080	\$ _____	\$ _____
08140.70	DS_Brick Pavers, Sidewalk, Rem	Square Foot	6,643	\$ _____	\$ _____
08140.71	DS_Brick Pavers, Sidewalk, Rem and Salv	Square Foot	978	\$ _____	\$ _____
08140.72	Brick Pavers, Sidewalk, Rem and Reinstall	Square Foot	223	\$ _____	\$ _____
08140.73	DS_Perforated Concrete Base, 6 In.	Square Foot	223	\$ _____	\$ _____
08150.00	Detectable Warning Surface	Foot	326	\$ _____	\$ _____
08150.70	DS_Detectable Warning Surface, Temp	Foot	100	\$ _____	\$ _____
08150.71	DS_Tactile Directional Indicator	Foot	60	\$ _____	\$ _____
08190.07	Pavt Mrkg, Polymer Cement Surface, Tan	Sft	45	\$ _____	\$ _____
08190.72	DS_Pavt Mrkg, Polymer Cement Surface, Bike Thru Arrow Sym	Each	7	\$ _____	\$ _____
08190.73	DS_Pavt Mrkg, Polymer Cement Surface, Bike, Small Sym	Each	8	\$ _____	\$ _____
08190.76	DS_Pavt Mrkg, Polymer Cement Surface, Bike Lane, Green	Square Foot	2,146	\$ _____	\$ _____
08190.78	DS_Pavt Mrkg, Polymer Cement Surface, Bus Lane, Red	Square Foot	4,321	\$ _____	\$ _____
08190.79	DS_Pavt Mrkg, Polymer Cement Surface, Bus	Each	7	\$ _____	\$ _____
08191.70	DS_Pavt Mrkg, Polymer Cement Surface, Only	Each	9	\$ _____	\$ _____
08191.71	DS_Pavt Mrkg, Polymer Cement Surface, Sharrow Sym	Each	4	\$ _____	\$ _____
08191.72	DS_Pavt Mrkg, Polymer Cement Surface, Merge Left Arrow	Each	1	\$ _____	\$ _____
08191.73	DS_Scarification, for Polyurea Spec Mrkg	Square Foot	20	\$ _____	\$ _____
08191.74	DS_Pavt Mrkg, Polymer Cement Surface, Rt Arrow	Each	1	\$ _____	\$ _____
08200.05	Pavt Mrkg, Polyurea, 12 In., Cross Hatching, White	Foot	264	\$ _____	\$ _____
08200.09	Pavt Mrkg, Polyurea, 24 In., Stop Bar	Foot	190	\$ _____	\$ _____
08200.10	Pavt Mrkg, Polyurea, 12 In., Crosswalk	Foot	1,314	\$ _____	\$ _____
TOTAL THIS PAGE (BF-6)					\$ _____

E. Schedule of Pricing/Cost – 20 Points**Company:****Project: N. University & Thayer Improvements****File #: 2023-023****RFP#: 26-11**

ITEM NUMBER	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
08200.11	Pavt Mrkg, Polyurea, 4 In., White	Foot	86	\$ _____	\$ _____
08200.13	Pavt Mrkg, Polyurea, 6 In., White	Foot	3,917	\$ _____	\$ _____
08200.14	Pavt Mrkg, Polyurea, 6 In., Yellow	Foot	2,050	\$ _____	\$ _____
08200.30	Pavt Mrkg, Polyurea, Yield Triangle Sym	Each	12	\$ _____	\$ _____
08200.31	Pavt Mrkg, Polyurea, Speed Hump Chevron, White	Each	6	\$ _____	\$ _____
08251.00	Recessing Pavt Mrkg, Longit	Foot	4,236	\$ _____	\$ _____
08252.00	Recessing Pavt Mrkg, Transv	Square Foot	1,870	\$ _____	\$ _____
08300.00	Monument Box, Adjust	Each	2	\$ _____	\$ _____
08300.70	DS_Bikeway Delineator Post	Each	109	\$ _____	\$ _____
08300.70	DS_Parking Meter Post, Install	Each	20	\$ _____	\$ _____
08300.71	Flexible Delineator Post, Surface Mounted	Each	8	\$ _____	\$ _____
08300.72	DS_Sign, Type IIIA	Square Foot	70	\$ _____	\$ _____
08300.73	DS_Sign, Type IIIB	Square Foot	168	\$ _____	\$ _____
08300.74	DS_Perforated Steel Square Tube Breakaway System, Modified	Each	43	\$ _____	\$ _____
08300.75	DS_Reflective Panel for Permanent Sign Support, 3 foot, Modified	Each	2	\$ _____	\$ _____
08300.76	DS_Qwick Kurb Sign	Each	9	\$ _____	\$ _____
08300.77	DS_Fdn, Perforated Steel Square Tube Breakaway System, Rem	Each	4	\$ _____	\$ _____
08300.78	DS_Ground Mtg Sign Support, Rem	Each	4	\$ _____	\$ _____
Lighting and Electrical					
09000.01	Conductors, No. 4AWG	Foot	4,440	\$ _____	\$ _____
09000.03	Conductors, No. 8AWG	Foot	2,220	\$ _____	\$ _____
09000.04	Conductors, No. 10AWG	Foot	204	\$ _____	\$ _____
9010.01	Conduit, Schedule 80 PVC, 2 In.	Foot	68	\$ _____	\$ _____
9011.02	Conduit, Schedule 80 PVC, 3 In., Qty 2	Foot	2,220	\$ _____	\$ _____
09020.00	Handhole, Rem	Each	9	\$ _____	\$ _____
09020.70	DS_Handhole, Adjust	Each	18	\$ _____	\$ _____
09030.01	Handhole Assembly, 17 In. X 30 In. x 18 In.	Each	18	\$ _____	\$ _____
09030.03	Handhole Assembly, 24 In. X 36 In. x 18 In.	Each	1	\$ _____	\$ _____
09050.00	Foundation, Light Pole	Each	17	\$ _____	\$ _____
09060.00	Foundation, Light Pole, Rem	Each	34	\$ _____	\$ _____
TOTAL THIS PAGE (BF-7)					\$ _____

E. Schedule of Pricing/Cost – 20 Points

Company:

Project: N. University & Thayer Improvements

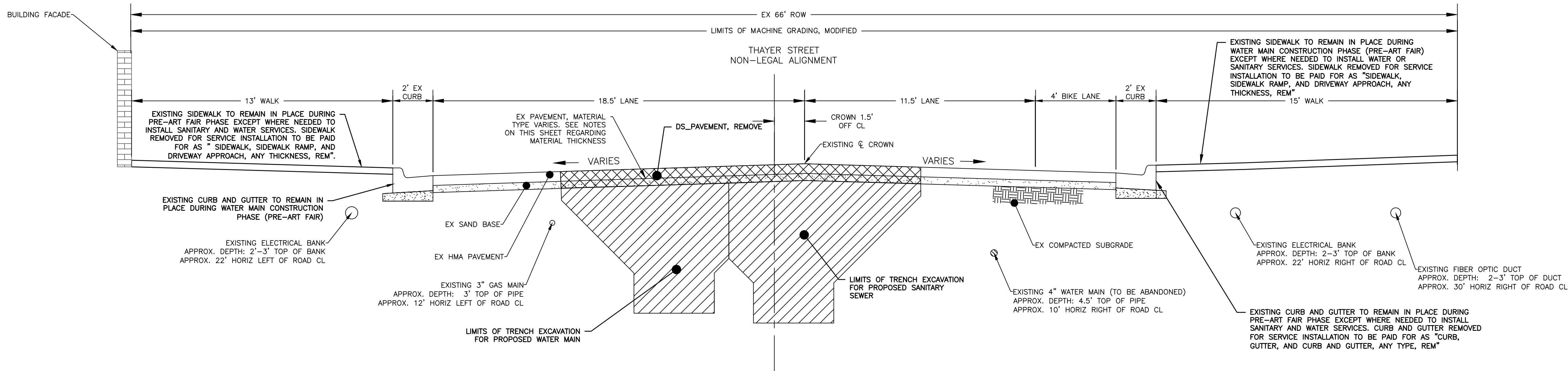
File #: 2023-023

RFP#: 26-11

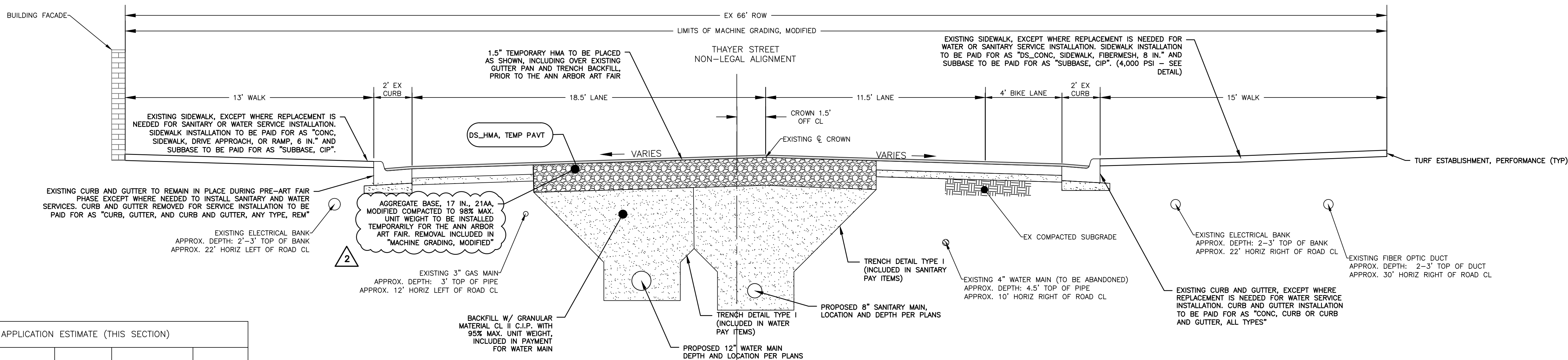
ITEM NUMBER	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
09093.01	Light Pole, 30' Standard	Each	13	\$ _____	\$ _____
09093.71	DS_Light Pole, 30' Standard, 2 Luminaires	Each	4	\$ _____	\$ _____
09110.01	Light Fixture, Standard	Each	18	\$ _____	\$ _____
09121.00	Light Fixture, Rem	Each	18	\$ _____	\$ _____
09130.00	Streetlight Disconnect Box,Complete	Each	1	\$ _____	\$ _____
Landscaping					
10000.01	DS_Tree, B&B	Each	12	\$ _____	\$ _____
10000.70	DS_Irrigation, Remove and Replace	Lump Sum	1	\$ _____	\$ _____
10001.70	DS_Shrub, #5 Cont.	Each	34	\$ _____	\$ _____
10001.71	DS_Perennial, #2 Cont.	Each	466	\$ _____	\$ _____
10001.72	DS_Perennial, Quart Cont.	Each	556	\$ _____	\$ _____
10001.73	DS_Bulb	Each	528	\$ _____	\$ _____
10001.74	DS_Annuals, Owner Selected	Each	315	\$ _____	\$ _____
10001.75	DS_Mulch	Square Yard	275	\$ _____	\$ _____
10001.76	DS_Planting Mixture	Cubic Yard	225	\$ _____	\$ _____
10001.77	Washed Stone for Drainage	Cubic Yard	38	\$ _____	\$ _____
10001.78	Geotextile Wrap	Square Yard	143	\$ _____	\$ _____
10001.79	DS_Planter Wall, 12 In	Cubic Yard	69	\$ _____	\$ _____
10001.80	DS_Planter Wall, 24 In	Cubic Yard	193	_____	_____
10002.70	4" Perforated tile drainage pipe	Foot	413	\$ _____	\$ _____
10006.71	DS_Turf Establishment, Performance	Square Yard	350	\$ _____	\$ _____
10100.70	DS_DDA Bike Hoop, Surface Mounted	Each	3	\$ _____	\$ _____
TOTAL THIS PAGE (BF-8)					\$ _____
TOTAL FROM PAGE (BF-1):					\$ _____
TOTAL FROM PAGE (BF-2):					\$ _____
TOTAL FROM PAGE (BF-3):					\$ _____
TOTAL FROM PAGE (BF-4):					\$ _____
TOTAL FROM PAGE (BF-5):					\$ _____
TOTAL FROM PAGE (BF-6):					\$ _____
TOTAL FROM PAGE (BF-7):					\$ _____
TOTAL BASE BID:					\$ _____

c:\pwwork\wade--trim_rbrown\dl339881\CTP--PLTS--North University--Typicals.dwg Dwg Created: 11-Feb-26 --_a2 standard bw.stb -- Plot Date: 11-Feb-26

EXISTING GEOTECHNICAL INFORMATION	
B-1:	5' SOIL BORING INDICATES 5 3/4" OF ASPHALT, 4 1/4" OF CONCRETE, 14" OF LOOSE MOIST BROWN CLAYEY WELL GRADED SAND WITH TRACE OF GRAVEL, 36" OF MEDIUM COMPACT MOIST BROWN SAND WITH TRACE OF GRAVEL.
B-2:	5' SOIL BORING INDICATES 5 1/2" OF ASPHALT, 54" OF LOOSE MOIST BROWN CLAYEY WELL GRADED SAND WITH TRACE OF GRAVEL.




THAYER STREET EXISTING CROSS SECTION SOUTH
PRE-ART FAIR PHASE
FOR WATER MAIN AND SANITARY MAIN INSTALLATION ONLY
STA 300+00 - STA 302+25



THAYER STREET PROPOSED CROSS SECTION SOUTH
PRE-ART FAIR PHASE
FOR WATER MAIN AND SANITARY MAIN INSTALLATION ONLY
STA 300+00 - STA 302+25

HMA APPLICATION ESTIMATE (THIS SECTION)					
PAY ITEM	HMA MIX	APPLICATION RATE	EST. THICKNESS	PERF GRADE	AWI (MIN)
DS_HMA PAVT, TEMP	13A / LVSP	165 LB/SYD	1.5 INCH	PG 58-28	260

FOR INFORMATION ONLY: APPLY BOND COAT AT 0.05 TO 0.15 GAL/SYD BETWEEN PROPOSED HMA LIFTS (PAYMENT INCLUDED IN PAYMENT FOR HMA MIXTURES).




Know what's below.
Call before you dig.

02/11/2026	VARIOUS	MM
01/26/2026	VARIOUS	MM
01/05/2026	VARIOUS	MM
11/14/2025	VARIOUS	MM
10/10/2025	VARIOUS	MM
DATE	DRAWN	CHECKED

ADDENDUM #2

05	BID	DESCRIPTION
04	100% SUBMITTAL	
03	90% SUBMITTAL	
02	60% SUBMITTAL	
01	REV.	

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N. UNIVERSITY & THAYER IMPROVEMENTS

TYPICAL SECTIONS - THAYER

SCALE: INTS

DRAWING No. 2023-025-22

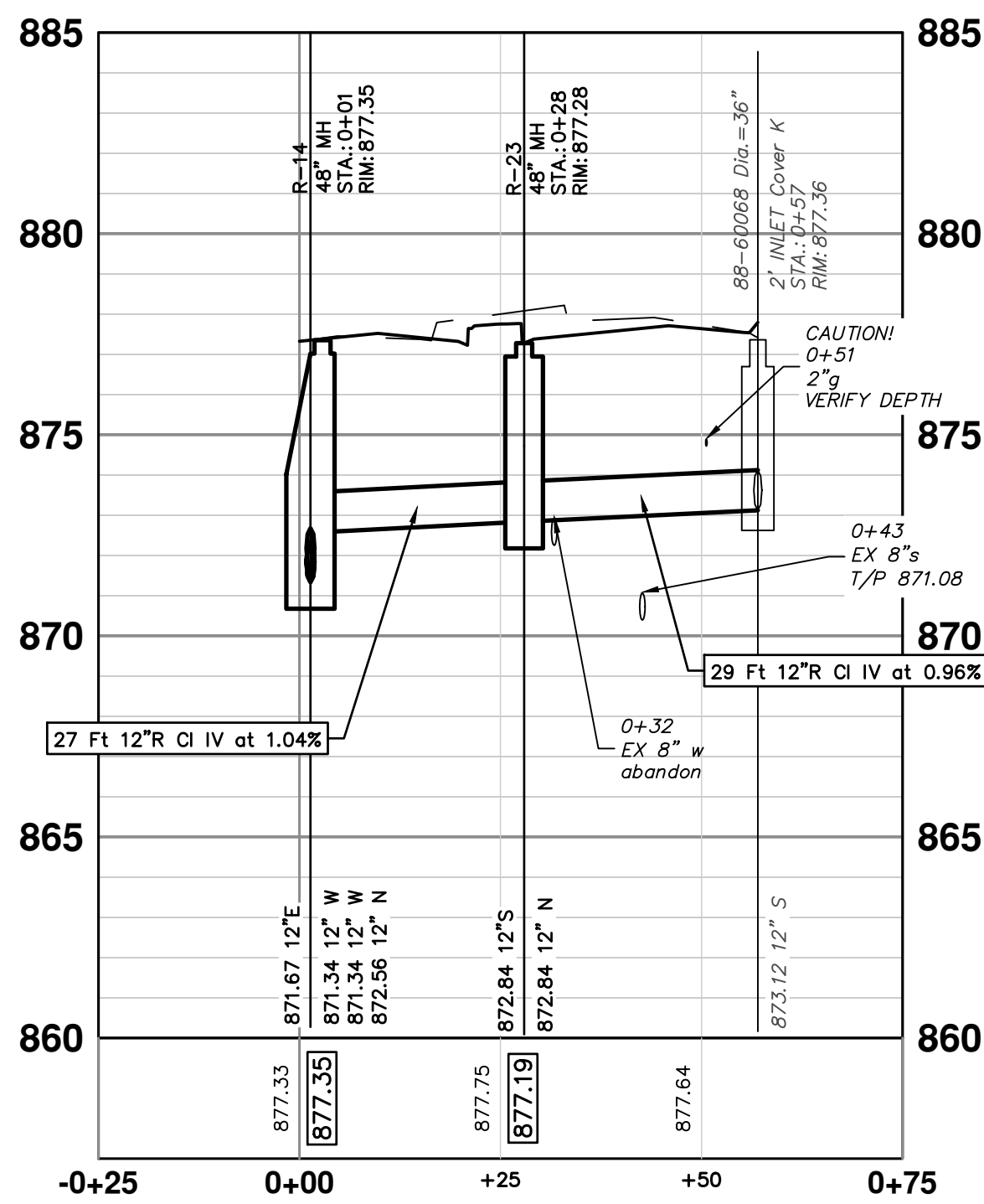
SHEET No. 22 OF 80



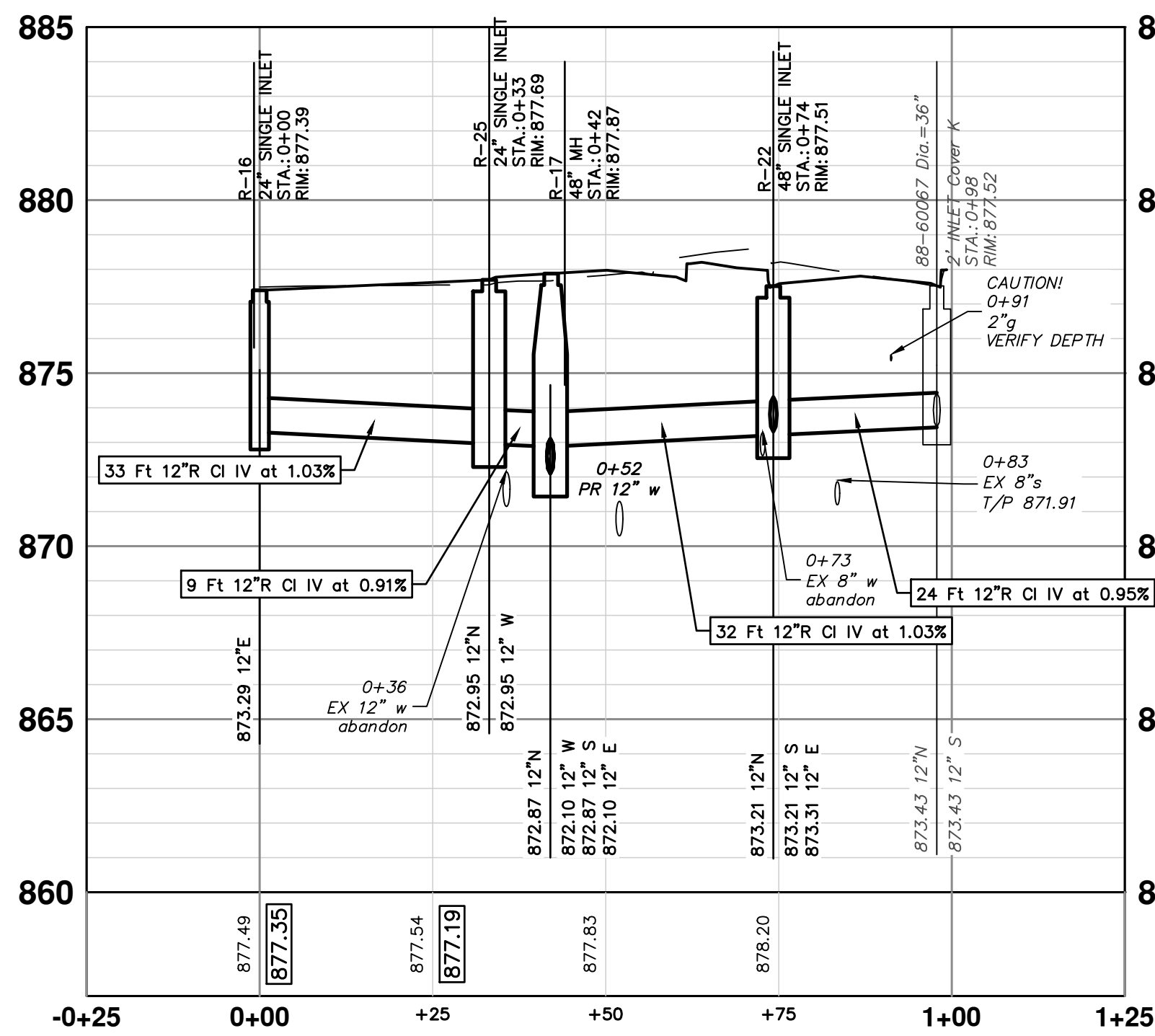
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04	BID	01/28/2026	VARIOUS	MHM
03	100% SUBMITTAL	01/05/2026	VARIOUS	MHM
02	90% SUBMITTAL	11/14/2025	VARIOUS	MHM
01	60% SUBMITTAL	10/10/2025	VARIOUS	MHM
REV	DESCRIPTION	DATE	DRAWN	CHECKED

Know **What's below.**
Call before you dig.

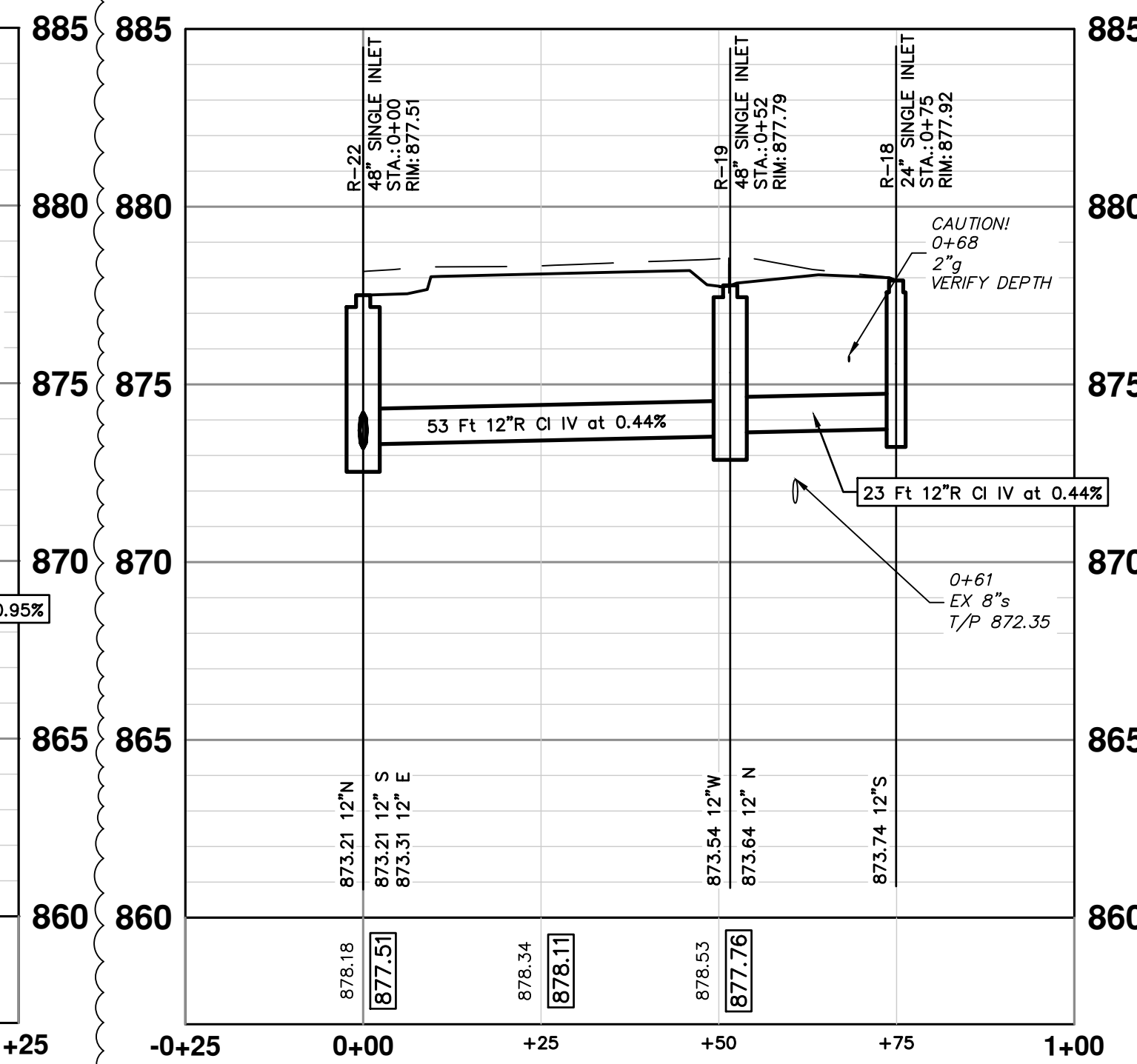
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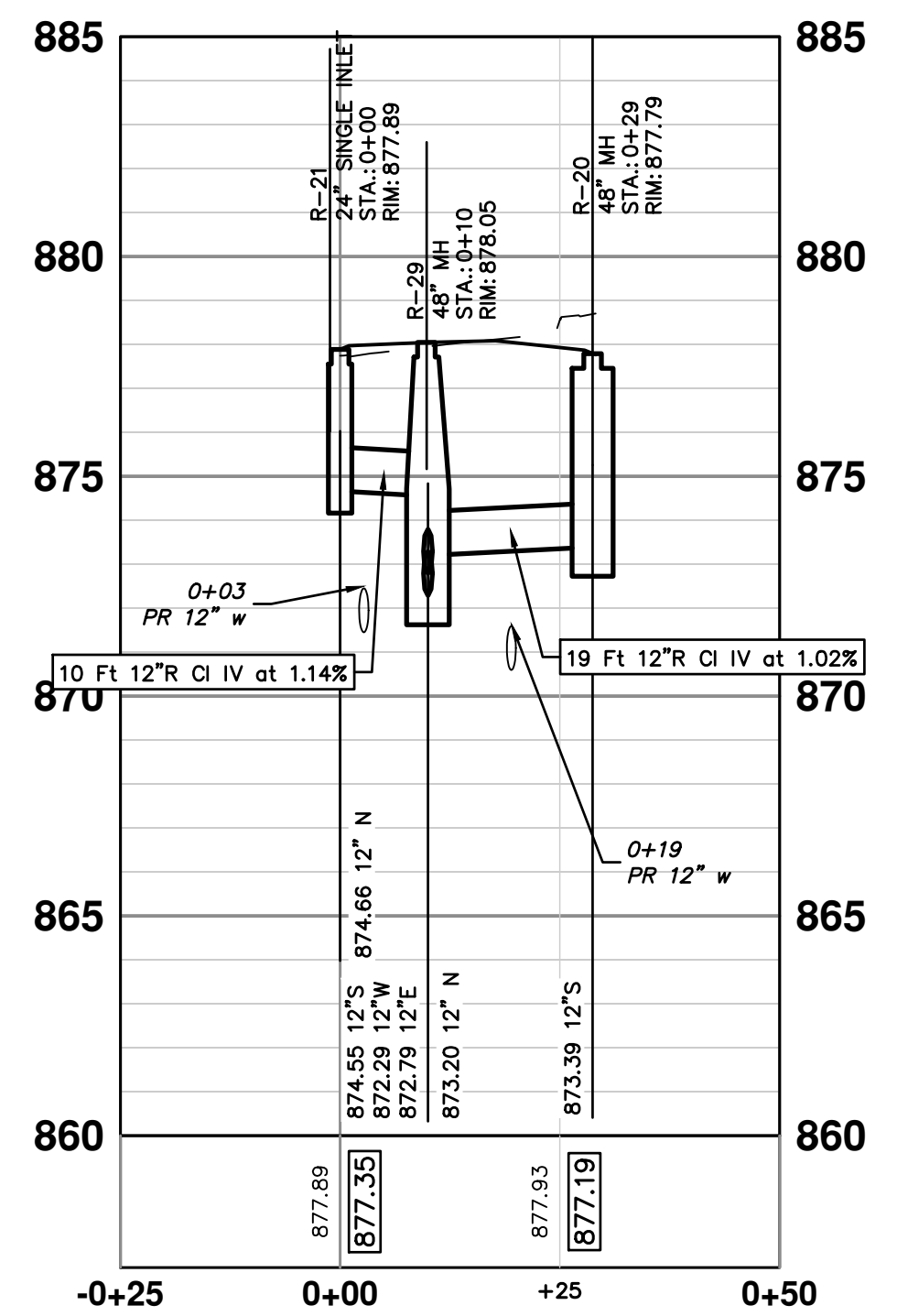
STORM SEWER PROFILE: R-14, R-23



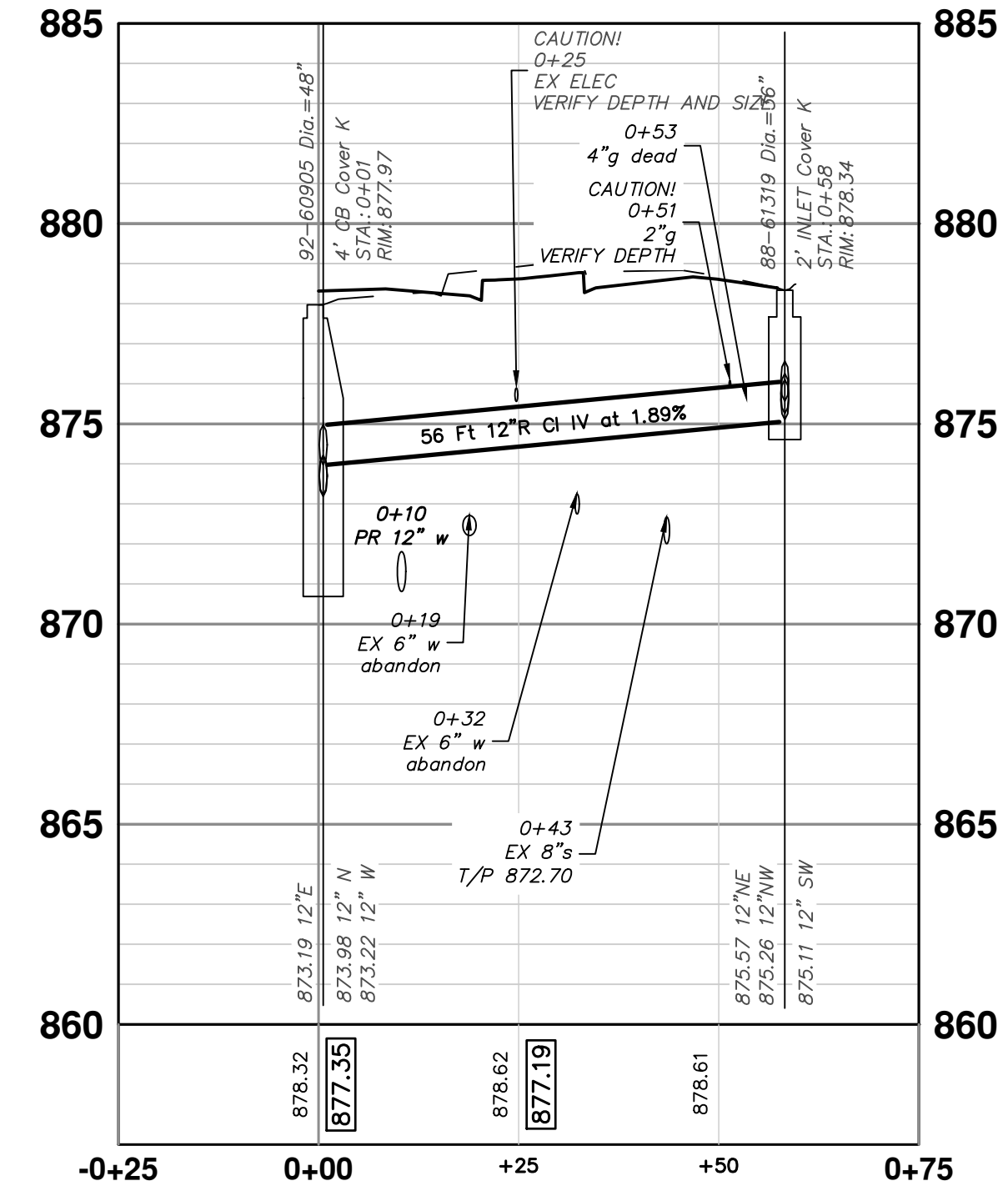
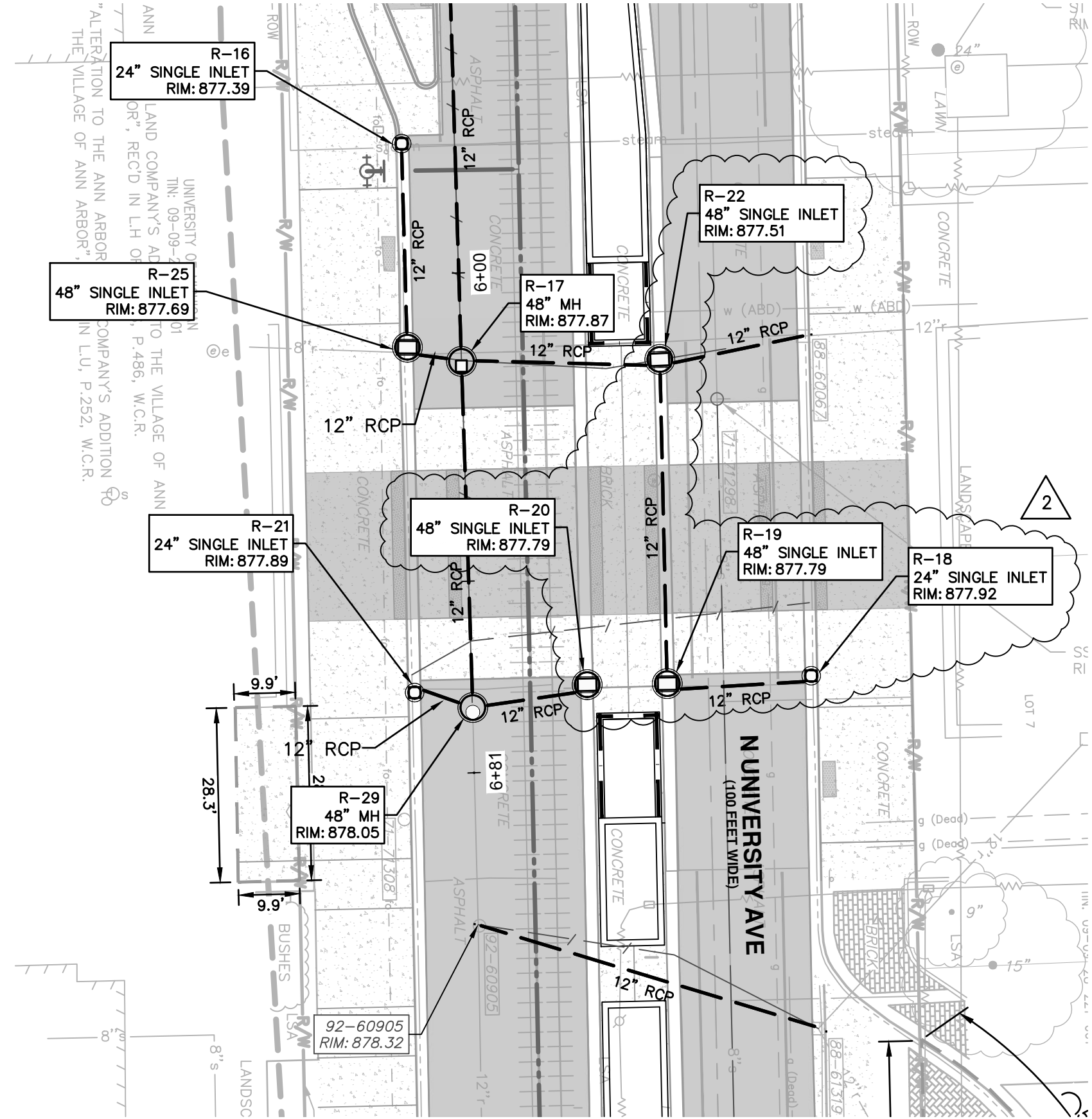
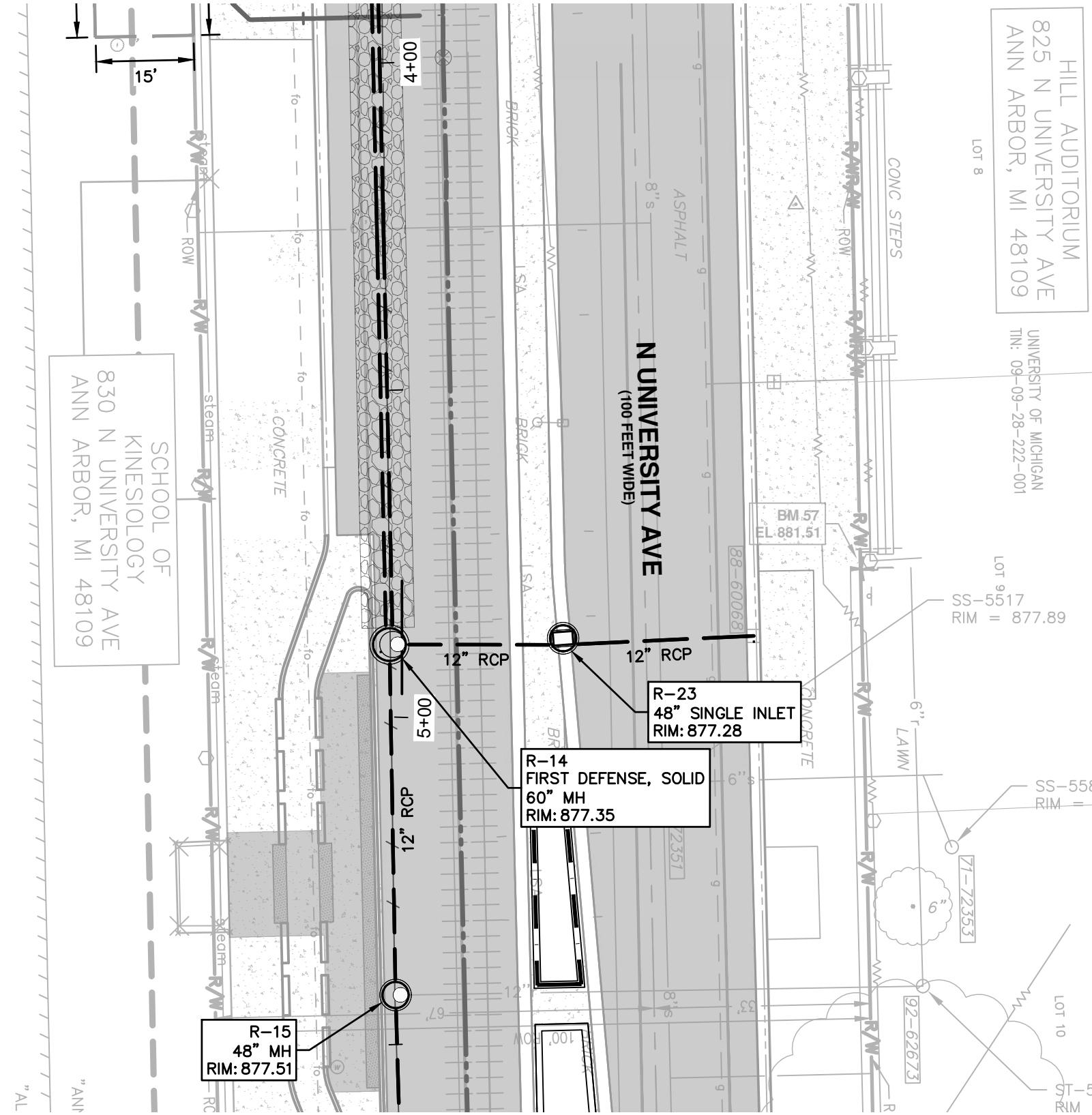
STORM SEWER PROFILE: R-16, R-17, R-22, R-25



STORM SEWER PROFILE: R-19, R-18, R-22



STORM SEWER PROFILE: R-20, R-21, R-29



STORM SEWER PROFILE: 92-60905, 88-61319

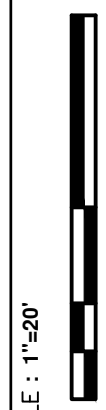


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N. UNIVERSITY & THAYER IMPROVEMENTS

PROPOSED STORM - NORTH UNIVERSITY

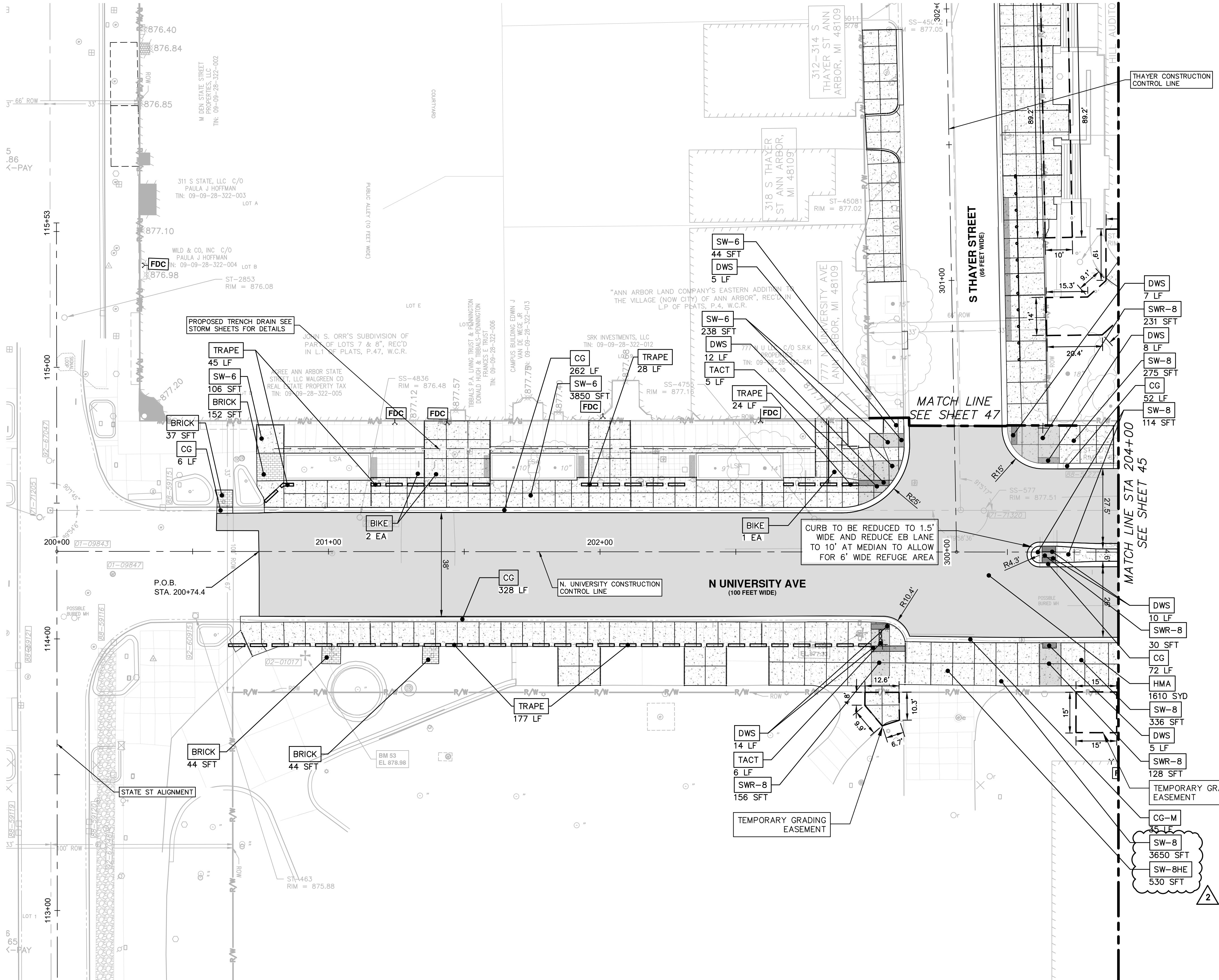


SHEET No. 42 OF 80
DRAWING No. 2023-023-42

811
Know what's below.
Call before you dig.

ADDENDUM #2	REV.	DESCRIPTION	DATE	DRAWN	CHECKED
05	05	100% SUBMITTAL	02/11/2026	VARIOUS	MMH
04	04	90% SUBMITTAL	01/26/2026	VARIOUS	MMH
03	03	60% SUBMITTAL	01/05/2026	VARIOUS	MMH
02	02	30% SUBMITTAL	11/14/2025	VARIOUS	MMH
01	01	10% SUBMITTAL	10/10/2025	VARIOUS	MMH

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NOTE:
• TURF ESTABLISHMENT, PERFORMANCE SHALL BE INSTALLED IN DISTURBED LAWN AREAS AS NECESSARY.

CONSTRUCTION KEY	
KEY	DESCRIPTION
[HMA]	SURFACE AREA FOR HMA
[CG]	CONC, CURB OR CURB & GUTTER, ALL TYPES
[DWS]	DETECTABLE WARNING SURFACE
[C-P]	DS_PLANTER CURB
[CG-M]	CONC, DRIVEWAY OPENING, TYPE M. PAID FOR AS CONC, CURB, CURB & GUTTER, ALL TYPES
[SW-6]	CONC, SIDEWALK, DRIVE APPROACH, OR RAMP, 6 IN.
[SW-8]	DS_CONC, SIDEWALK, FIBERMESH, 8 IN.
[SWR-8]	DS_CONC, SIDEWALK RAMP, FIBERMESH, 8 IN.
[SW-9R]	DS_CONC, SIDEWALK, FIBERMESH, 9 IN., RAISED
[TRAPE]	DS_TRAPEZOID DELINEATOR, ANY SIZE
[MULCH]	DS_PLANTING SOIL AND MULCH
[TREE]	TREE, MEDIUM, B&B INSTALL CERCIS CANADENSIS (EASTERN REDBUD) 2" CALIPER, MULTI-STEM
[BIKE]	BIKE HOOP, CORED
[TACT]	DS_TACTILE DIRECTIONAL INDICATOR
[BRICK]	BRICK PAVERS, SIDEWALK, REM AND REINSTALL
[SW-8HE]	CONC, SIDEWALK, DRIVE APPROACH, OR RAMP, 8 IN., HIGH EARLY

LEGEND	
[Pattern]	PROPOSED CONCRETE RAMP/LEVEL LANDING
[Pattern]	PROPOSED CONCRETE SIDEWALK
[Pattern]	PROPOSED PAVEMENT LIMITS
[Pattern]	MULCH
[Line]	PROPOSED GRADING EASEMENT
[Line]	CONTROL JOINT
[Line]	EXPANSION JOINT



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N. UNIVERSITY & THAYER IMPROVEMENTS

CONSTRUCTION PLAN - NORTH UNIVERSITY

SCALE : 1"=20'

DRAWING No.
2023-023-44

ADDENDUM #2

BID

100% SUBMITTAL

90% SUBMITTAL

60% SUBMITTAL

05

04

03

02

01

02/11/2026

01/26/2026

01/05/2026

11/14/2025

10/10/2025

VARIOUS

VARIOUS

VARIOUS

VARIOUS

VARIOUS

MM

MM

MM

MM

MM

DATE

DRAWN

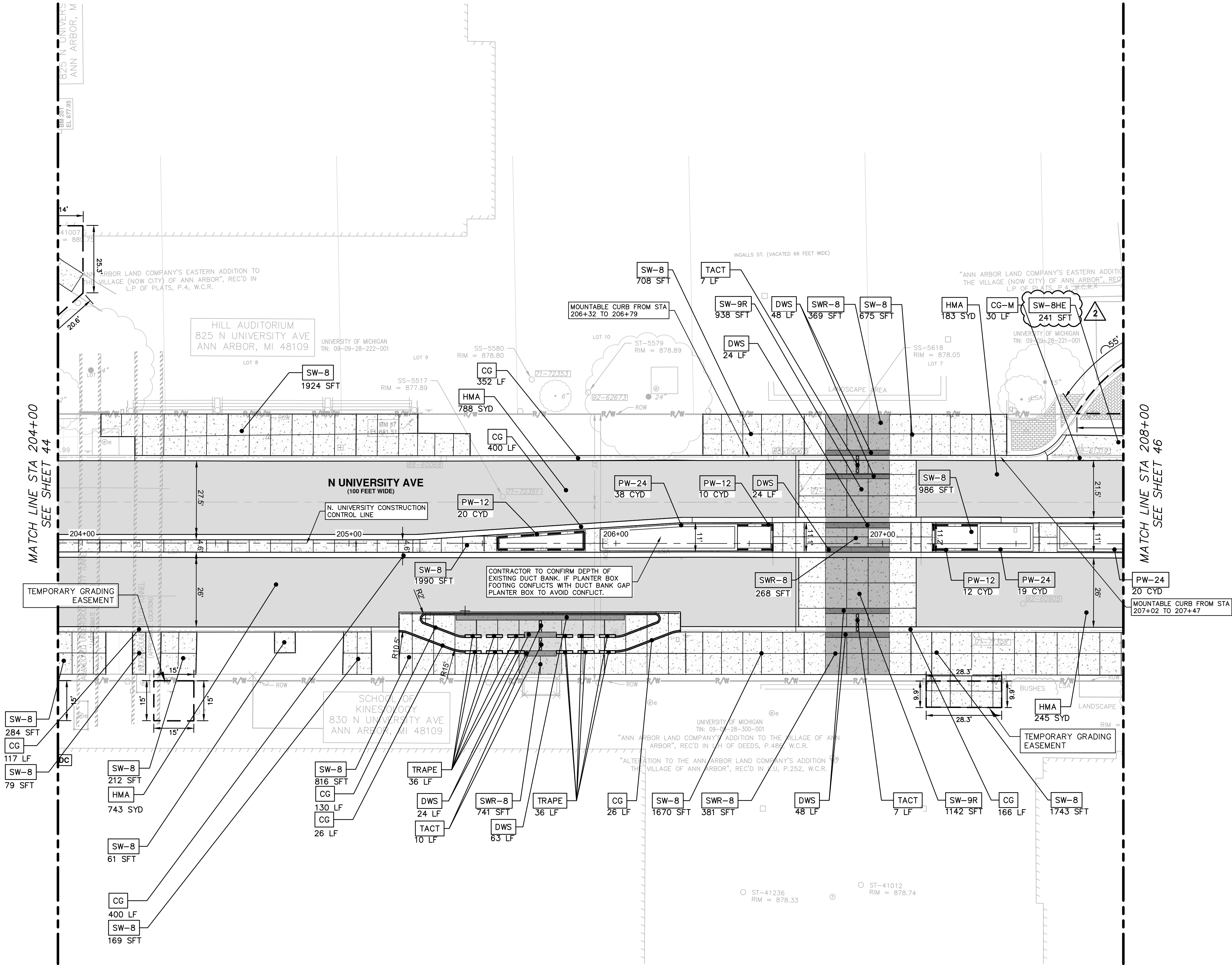
CHECKED

811

Know what's below.
Call before you dig.

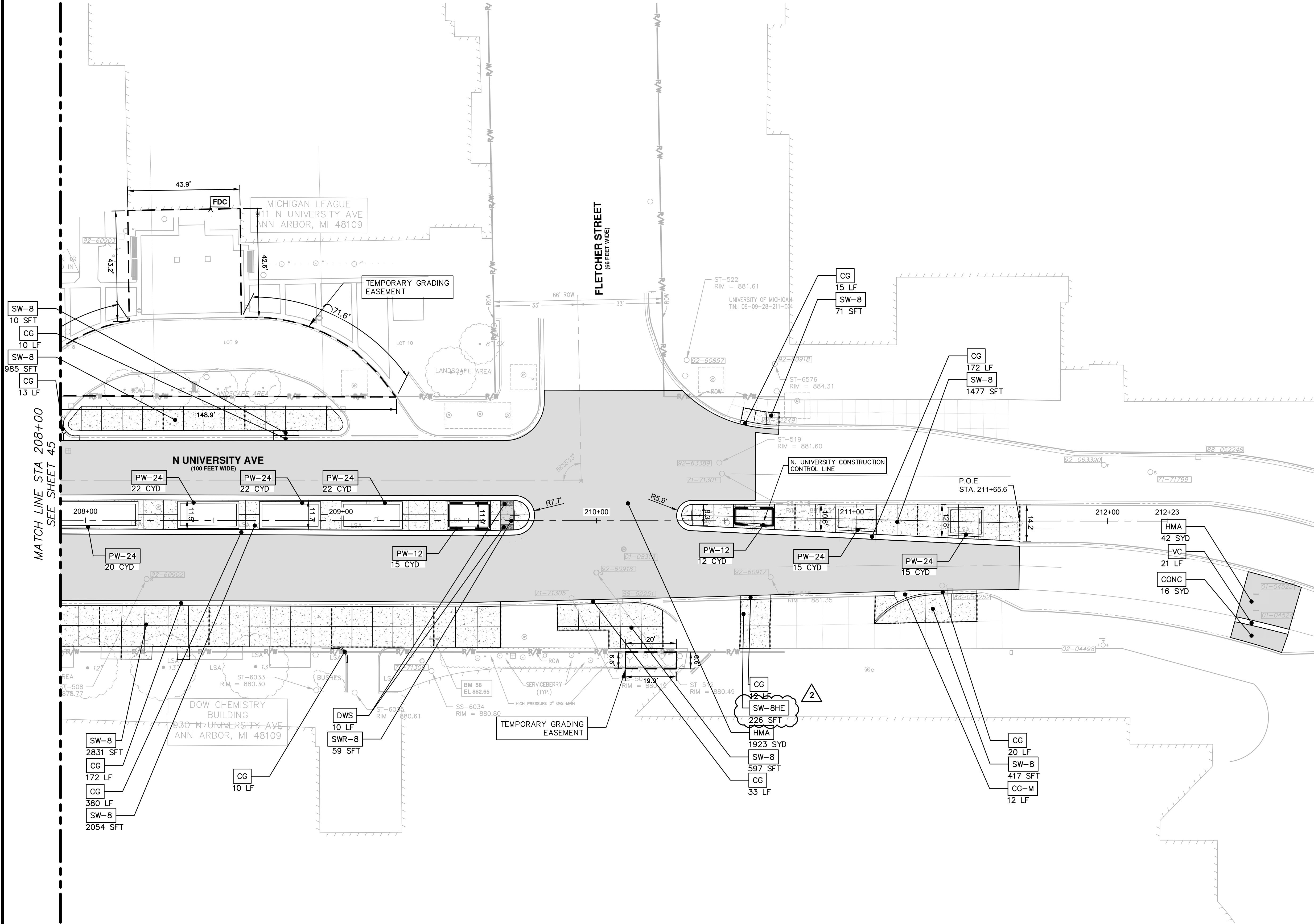
44 OF 80

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CONSTRUCTION KEY	
KEY	DESCRIPTION
[HMA]	SURFACE AREA FOR HMA
[CG]	CONC, CURB OR CURB & GUTTER, ALL TYPES
[DWS]	DETECTABLE WARNING SURFACE
[C-P]	DS_PLANTER CURB
[CG-M]	CONC, DRIVEWAY OPENING, TYPE M. PAID FOR AS CONC, CURB, CURB & GUTTER, ALL TYPES
[SW-8]	DS_CONC, SIDEWALK, FIBERMESH, 8 IN.
[SWR-8]	DS_CONC, SIDEWALK RAMP, FIBERMESH, 8 IN.
[SW-9R]	DS_CONC, SIDEWALK, FIBERMESH, 9 IN., RAISED
[TRAPE]	DS_TRAPEZOID DELINEATOR, ANY SIZE
[MULCH]	DS_PLANTING SOIL AND MULCH
[TREE]	TREE, MEDIUM, B&B INSTALL CERCIS CANADENSIS (EASTERN REDBUD) 2" CALIPER, MULTI-STEM
[BIKE]	BIKE HOOP, CORED
[TACT]	DS_TACTILE DIRECTIONAL INDICATOR
[PW-12]	DS_PLANTER WALL, 12 IN
[PW-24]	DS_PLANTER WALL, 24 IN
[SW-8HE]	CONC, SIDEWALK, DRIVE APPROACH, OR RAMP, 8 IN., HIGH EARLY

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LEGEND

- PROPOSED CONCRETE RAMP/LEVEL LANDING
- PROPOSED CONCRETE SIDEWALK
- PROPOSED PAVEMENT LIMITS
- MULCH
- PROPOSED GRADING EASEMENT
- CONTROL JOINT
- EXPANSION JOINT

CONSTRUCTION KEY	
KEY	DESCRIPTION
HMA	SURFACE AREA FOR HMA
CG	CONC. CURB OR CURB & GUTTER, ALL TYPES
DWS	DETECTABLE WARNING SURFACE
C-P	DS_PLANTER CURB
CG-M	CONC. DRIVEWAY OPENING, TYPE M. PAID FOR AS CONC, CURB, CURB & GUTTER, ALL TYPES
SW-8	DS_CONC, SIDEWALK, FIBERMESH, 8 IN.
SWR-8	DS_CONC, SIDEWALK RAMP, FIBERMESH, 8 IN.
SW-9R	DS_CONC, SIDEWALK, FIBERMESH, 9 IN., RAISED
TRAPE	DS_TRAPEZOID DELINEATOR, ANY SIZE
MULCH	DS_PLANTING SOIL AND MULCH
TREE	TREE, MEDIUM, B&B INSTALL CERCIS CANADENSIS (EASTERN REDBUD) 2" CALIPER, MULTI-STEM
BIKE	BIKE HOOP, CORED
TACT	DS_TACTILE DIRECTIONAL INDICATOR
PAVER	BRICK PAVERS, SIDEWALK, REM AND REINSTALL
CONC	CONC PAVT, NON-REINF, 8 IN.
PW-12	DS_PLANTER WALL, 12 IN
PW-24	DS_PLANTER WALL, 24 IN
VC	VALLEY CURB (TO BE PAID FOR AS CONC, CURB OR CURB & GUTTER, ALL TYPES)
SW-8HE	CONC, SIDEWALK, DRIVE APPROACH, OR RAMP, 8 IN., HIGH EARLY

NOTE:
• TURF ESTABLISHMENT, PERFORMANCE SHALL BE INSTALLED IN DISTURBED LAWN AREAS AS NECESSARY.

811

Know what's below. Call before you dig.

VARIOUS

02/11/2026

VARIOUS

01/26/2026

VARIOUS

01/05/2026

VARIOUS

11/14/2025

VARIOUS

10/10/2025

DATE

CHECKED

ADDENDUM #2

BID

100% SUBMITTAL

90% SUBMITTAL

60% SUBMITTAL

DESCRIPTION

05

04

03

02

01

REV.

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CITY OF ANN ARBOR

CONSTRUCTION PLAN - NORTH UNIVERSITY

SCALE : 1"=20'

DRAWING No.
2023-023-46

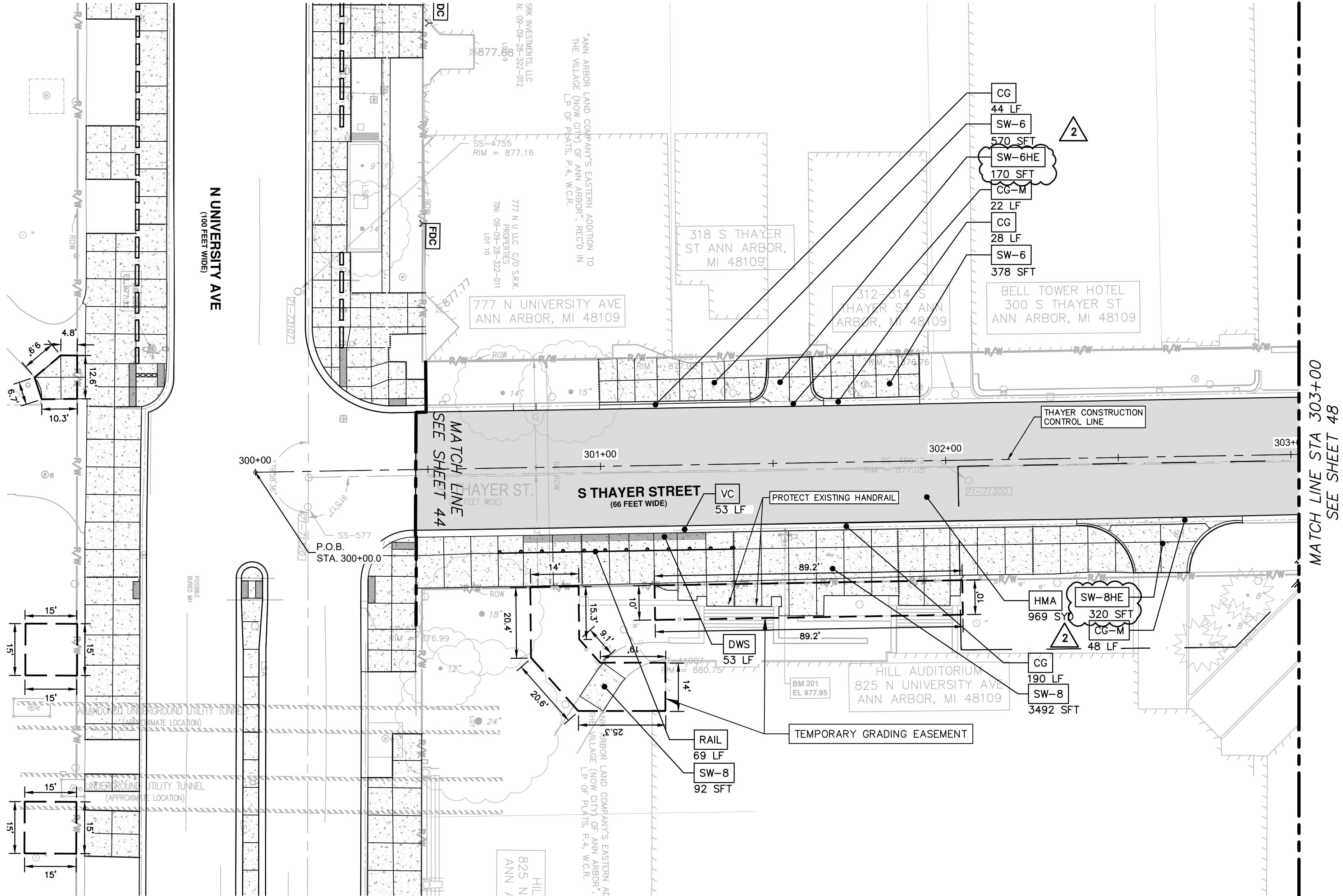
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

N. UNIVERSITY & THAYER IMPROVEMENTS

SHEET No.

46 OF 80

c:\pw_work\wade--trim_rbrown\dl339881\CRD--PLTS--Construction--Thayer.dwg Dwg Created: 11-Feb-26 --_c02 standard bw.stb -- Plot Date: 11-Feb-26



NOTE:
• TURF ESTABLISHMENT, PERFORMANCE SHALL BE INSTALLED IN DISTURBED LAWN AREAS AS NECESSARY.

LEGEND

	PROPOSED CONCRETE RAMP/LEVEL LANDING
	PROPOSED CONCRETE SIDEWALK
	PROPOSED PAVEMENT LIMITS
	MULCH
	PROPOSED GRADING EASEMENT
	CONTROL JOINT
	EXPANSION JOINT

CONSTRUCTION KEY	
KEY	DESCRIPTION
	SURFACE AREA FOR HMA
	CONC, CURB OR CURB & GUTTER, ALL TYPES
	DS_MOUNTABLE CURB AND GUTTER
	DS_CONC, SIDEWALK, FIBERMESH, 8 IN.
	DETECTABLE WARNING SURFACE
	DS_PLANTER CURB
	CONC, DRIVEWAY OPENING, TYPE M. PAID FOR AS CONC, CURB, CURB & GUTTER, ALL TYPES
	DS_TRAPEZOID DELINEATOR, ANY SIZE
	CONC, SIDEWALK, DRIVE APPROACH, OR RAMP, 6 IN.
	DS_CONC, SIDEWALK RAMP, FIBERMESH, 8 IN.
	DS_PLANTING SOIL AND MULCH
	TREE, MEDIUM, B&B INSTALL CERCIS CANADENSIS (EASTERN REDBUD) 2" CALIPER, MULTI-STEM
	BIKE HOOP, CORED
	DS_TACTILE DIRECTIONAL INDICATOR
	DS_HANDRAIL
	VALLEY CURB (TO BE PAID FOR AS CONC, CURB OR CURB & GUTTER, ALL TYPES)
	CONC, SIDEWALK, DRIVE APPROACH, OR RAMP, 6 IN., HIGH EARLY
	CONC, SIDEWALK, DRIVE APPROACH, OR RAMP, 8 IN., HIGH EARLY

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING		CITY OF ANN ARBOR PUBLIC SERVICES 301 EAST HURON STREET P.O. BOX 9847 ANN ARBOR, MI 48106-0847 www.a2gov.org		05	ADDENDUM #2	VARIOUS	MM
SCALE : 1"=20'		N. UNIVERSITY & THAYER IMPROVEMENTS		04	BID	VARIOUS	MM
		CONSTRUCTION PLAN - THAYER		03	100% SUBMITTAL	VARIOUS	MM
DRAWING No.		2023-023-47		02	90% SUBMITTAL	VARIOUS	MM
SHEET No.		47 OF 80		01	60% SUBMITTAL	VARIOUS	MM
				REV.	DESCRIPTION	DATE	CHECKED



NOTE:

- TURF ESTABLISHMENT, PERFORMANCE SHALL BE INSTALLED IN DISTURBED LAWN AREAS AS NECESSARY.

LEGEND

PROPOSED CONCRETE RAMP/LEVEL LANDING

PROPOSED CONCRETE SIDEWALK

PROPOSED PAVEMENT LIMITS

MULCH

PROPOSED GRADING EASEMENT

CONTROL JOINT

EXPANSION JOINT

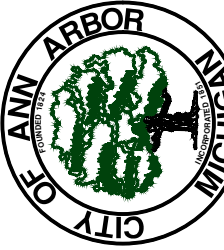
CONSTRUCTION KEY

KEY	DESCRIPTION
[HMA]	SURFACE AREA FOR HMA
[CG]	CONC, CURB OR CURB & GUTTER, ALL TYPES
[MOUNT]	DS_MOUNTABLE CURB AND GUTTER
[SW-8]	DS_CONC, SIDEWALK, FIBERMESH, 8 IN.
[DWS]	DETECTABLE WARNING SURFACE
[C-P]	DS_PLANTER CURB
[CG-M]	CONC, DRIVEWAY OPENING, TYPE M. PAID FOR AS CONC, CURB, CURB & GUTTER, ALL TYPES
[TRAPE]	DS_TRAPEZOID DELINEATOR, ANY SIZE
[SW-6]	CONC, SIDEWALK, DRIVE APPROACH, OR RAMP, 6 IN.
[SWR-8]	DS_CONC, SIDEWALK RAMP, FIBERMESH, 8 IN.
[MULCH]	DS_PLANTING SOIL AND MULCH
[TREE]	TREE, MEDIUM, B&B INSTALL CERCIS CANADENSIS (EASTERN REDBUD) 2" CALIPER, MULTI-STEM
[BIKE]	BIKE HOOP, CORED
[TACT]	DS_TACTILE DIRECTIONAL INDICATOR
[SW-8HE]	CONC, SIDEWALK, DRIVE APPROACH, OR RAMP, 8 IN., HIGH EARLY

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N. UNIVERSITY & THAYER IMPROVEMENTS

CONSTRUCTION PLAN - THAYER



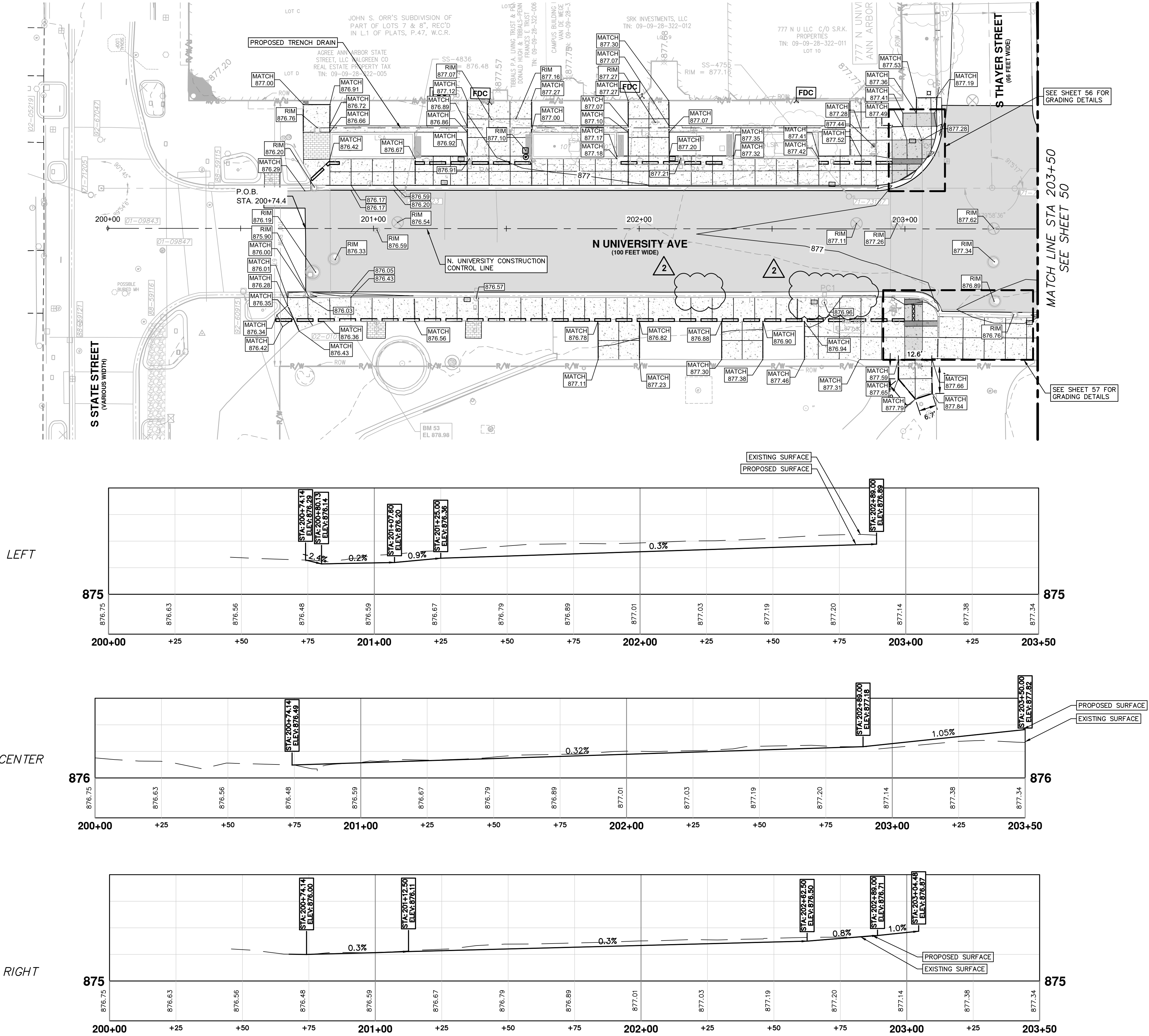
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05	ADDITIONAL #2	02/11/2026	VARIOUS	MHM
04	BID	01/26/2026	VARIOUS	MHM
03	100% SUBMITTAL	01/05/2026	VARIOUS	MHM
02	90% SUBMITTAL	11/14/2025	VARIOUS	MHM
01	60% SUBMITTAL	10/10/2025	VARIOUS	MHM
	DESCRIPTION	DATE	PRIMA	APPROVED

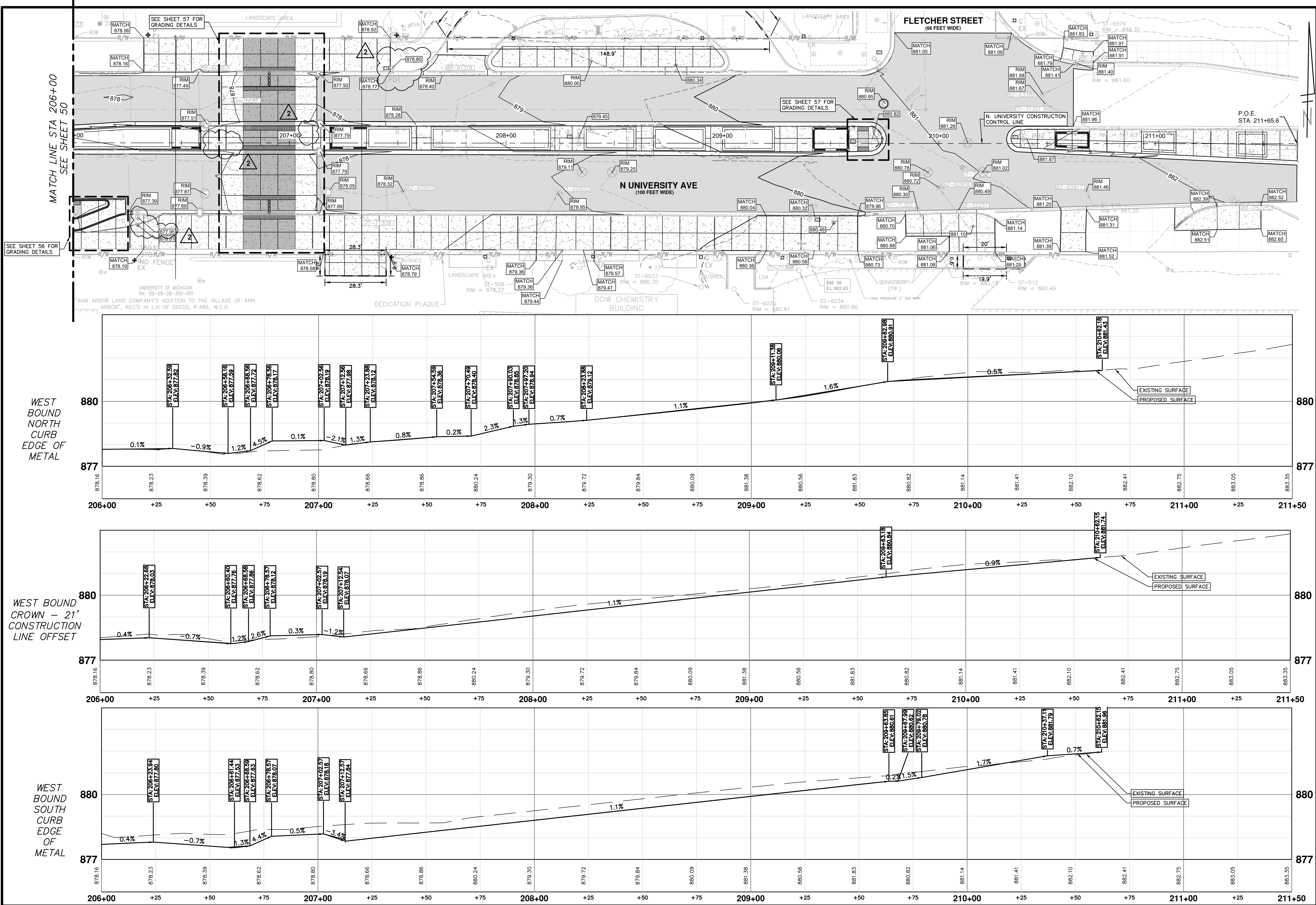



Know what's below.
Call before you dig.

c:\pw_work\wade--trim_rbrown\dl339881\CRD--PLTS--Paving--N Uni.dwg Dwg Created: 11-Feb-26 --_a2 standard bw.stb -- Plot Date: 11-Feb-26



c:\pwork\work\trim_rbrown\dl339881\CRD-PLTS-Paving-N Uni.dwg Dwg Created: 11-Feb-26 - _a2 standard bw.stb - Plot Date: 11-Feb-26






Know what's below.
Call before you dig.

REV.	DATE	DESCRIPTION	VARIOUS	ADDENDUM #2	BID
05	02/11/2026	VARIOUS	MM	MM	MM
04	01/26/2026	VARIOUS	MM	MM	MM
03	01/05/2026	100% SUBMITTAL	MM	MM	MM
02	11/14/2025	90% SUBMITTAL	MM	MM	MM
01	10/10/2025	60% SUBMITTAL	MM	MM	MM
REV.					

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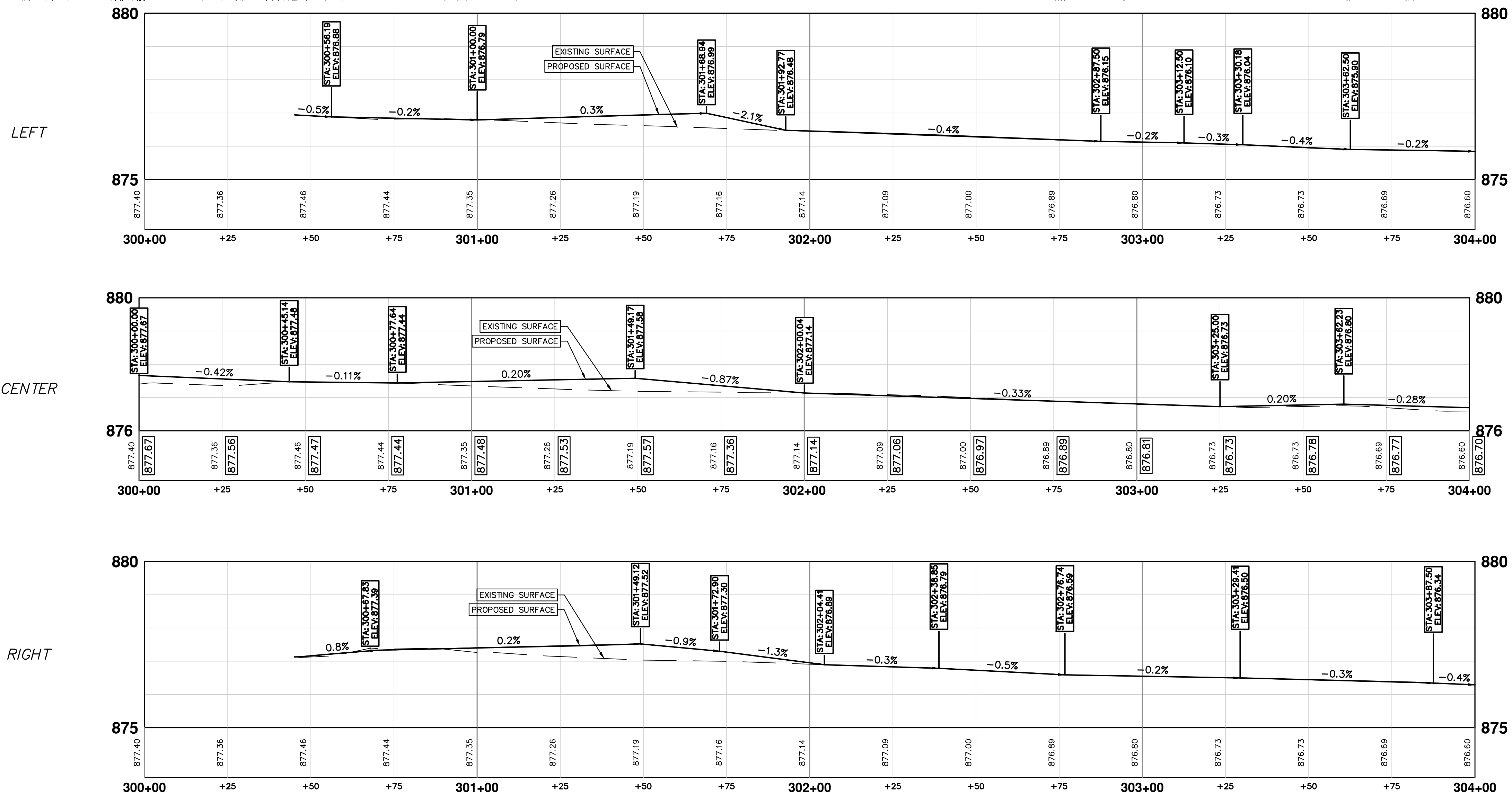
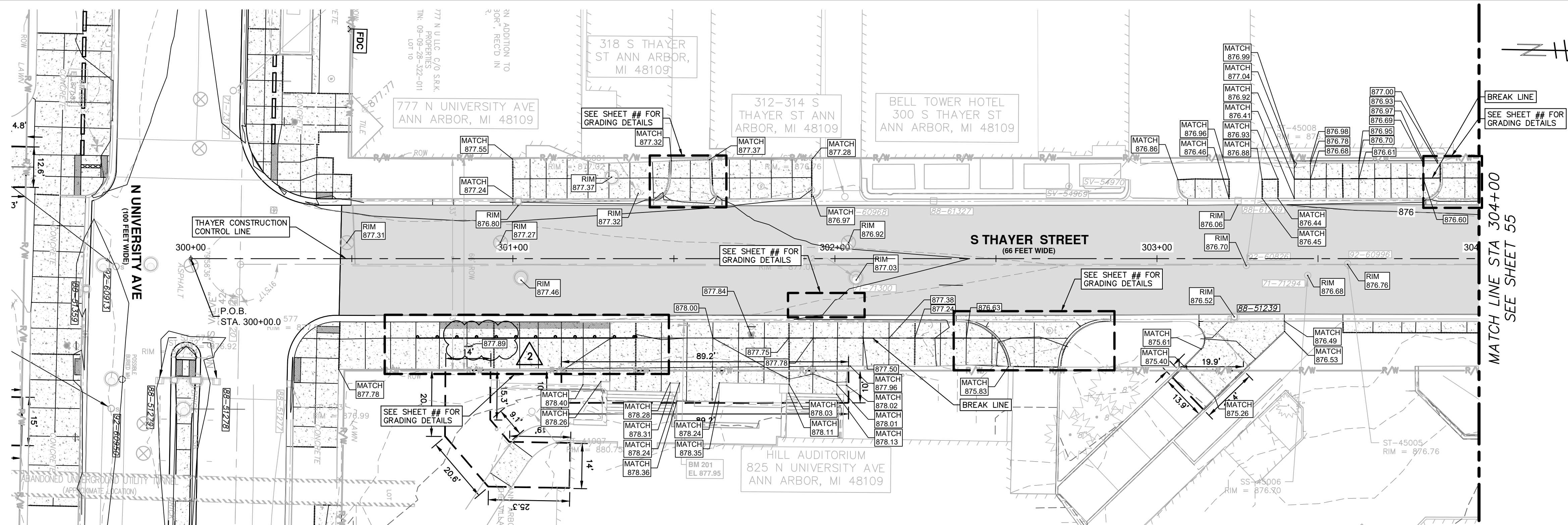
N. UNIVERSITY & THAYER IMPROVEMENTS

PAVING PLAN - NORTH UNIVERSITY STA 206+00 TO STA 211+65.6

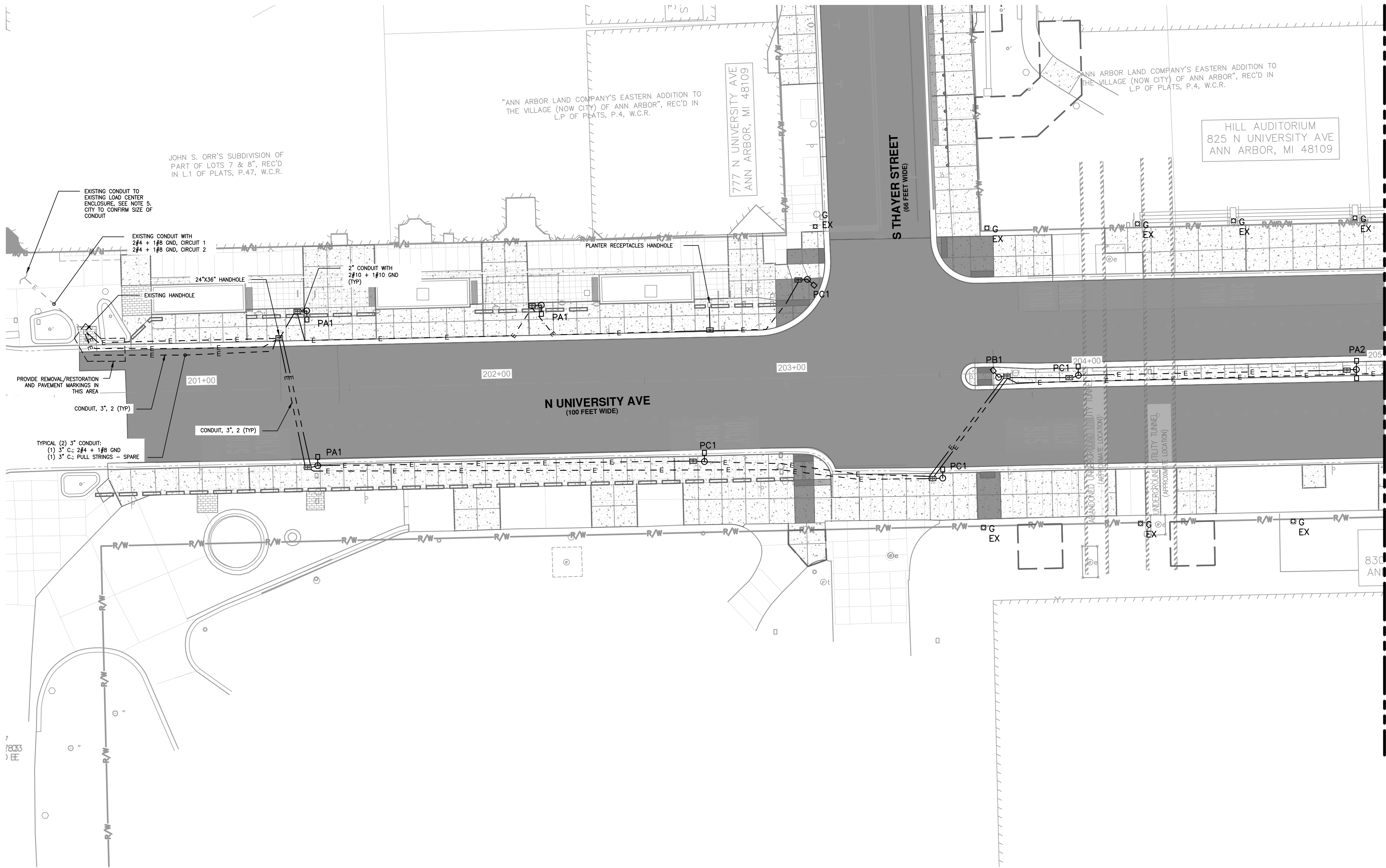
SCALE: 1"=20'

DRAWING No. 2023-023-52

SHEET No. 52 OF 80



c:\pw_work\wade--trim_fbrown\dl339881\ELP--PLTS--Lighting Plan N UNIVERSITY Lighting Plans.dwg Dwg Created: 11-Feb-26 --_a2 standard bw.sbt -- Plot Date: 11-Feb-26



LEGEND

- EXISTING PEDESTRIAN LIGHT
- ROADWAY LIGHT - POLE-MOUNTED, CITY OWN
- HANDHOLE
- UNDERGROUND CONDUIT

GENERAL NOTES:

- REFER TO CITY'S CONSTRUCTION SPECIFICATIONS "IV STREETLIGHTS AND SIGNALS" FOR STANDARDS.
- REFER TO SHEETS 67 AND 68 FOR LIGHTING SCHEDULE AND DETAILS.
- ALL ELECTRICAL EQUIPMENT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ANY LOCAL AMENDMENTS.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACQUISITION OF AN ELECTRICAL PERMIT AND SCHEDULING OF THE NECESSARY INSPECTIONS.
- AT EXISTING LOAD CENTER ENCLOSURE: CONTRACTOR SHALL PROVIDE TWO (2) 20A, 240V, 2-POLE CIRCUIT BREAKERS TO SUPPLY POWER FOR THE NEW LIGHTING. ADDITIONALLY, MODIFY THE EXISTING LIGHTING CONTRACTOR TO INCLUDE TWO (2) ADDITIONAL CONTACTS FOR CONTROLLING THE NEW FIXTURES. RECONNECT ALL CIRCUITS.
- FURNISH ALL NECESSARY ELECTRICAL COMPONENTS TO ENSURE A FULLY FUNCTIONAL SYSTEM.
- EXISTING OUTLET RECEPTACLES IN THREE PLANTER BOXES ON THE NORTH SIDE OF NORTH UNIVERSITY BETWEEN STATE STREET AND THAYER STREET ARE TO BE REWIRED TO CONNECT TO POWER SOURCE ON STATE STREET. CONTRACTOR TO UTILIZE THE EXISTING CONDUIT FROM THE PLANTER BOX TO THE NEAREST EXISTING NEW/HANDHOLE. EXISTING GAUGE WIRE POWERING THE OUTLETS TO BE REPLACED IN KIND.
- CONDUIT IN MEDIAN TO BE PLACED 4 FEET DEEP FROM TOP OF PROPOSED ROAD SURFACE OR AS DIRECTED BY THE ENGINEER.

QUANTITIES

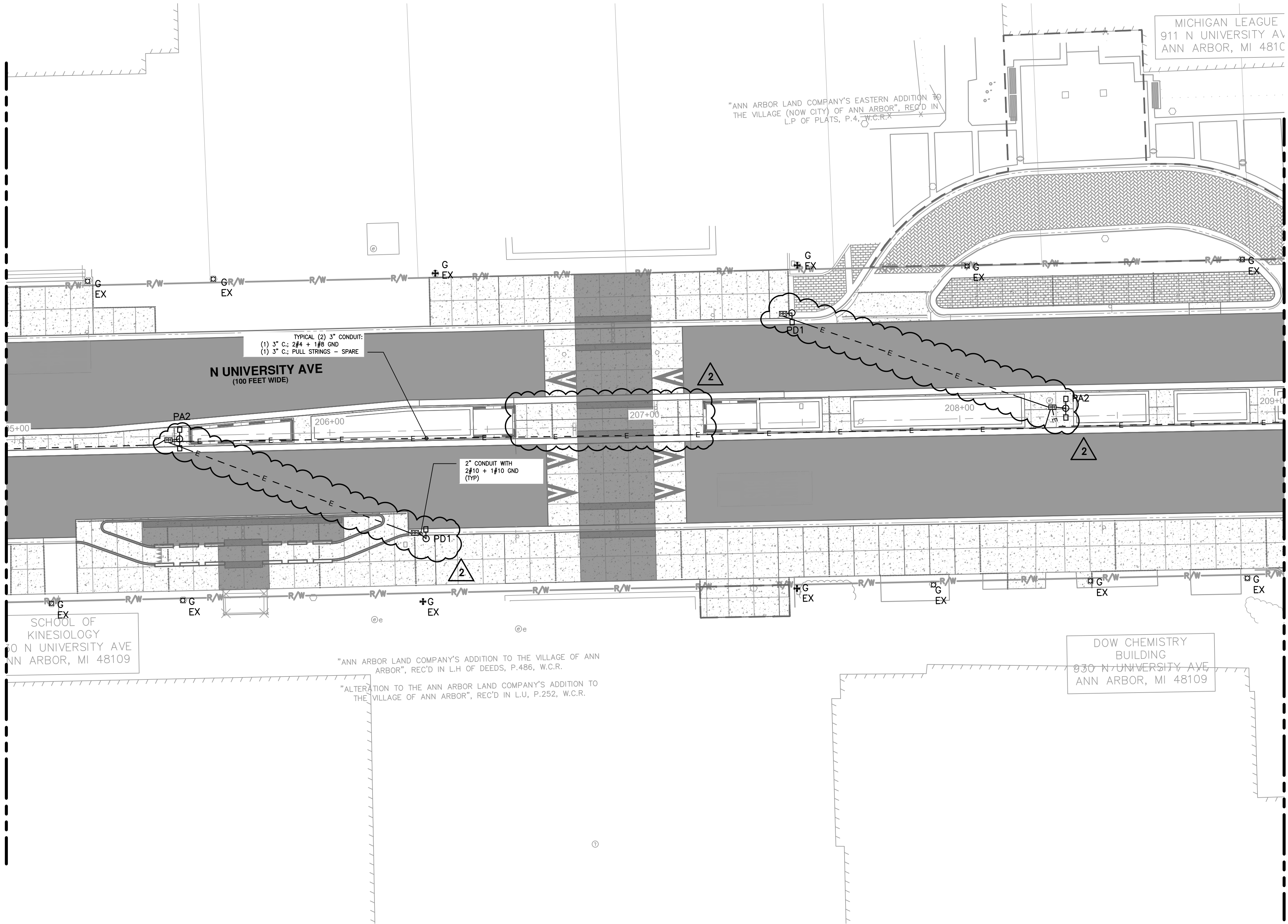
8	EA	FOUNDATION, LIGHT POLE
8	EA	LIGHT POLE, 30' STANDARD
10	EA	LIGHT POLE, 30' STANDARD, 2 LUMINAIRES
1	EA	HANDHOLE ASSEMBLY, 17 IN. X 30 IN. X 18 IN.
36	EA	HANDHOLE ASSEMBLY, 24 IN. X 36 IN. X 18 IN.
1426	FT	CONDUIT, SCHEDULE 80 PVC, 3 IN., QTY 2
2852	FT	CONDUCTORS, NO. 4AWG
1426	FT	CONDUCTORS, NO. 8AWG
168	FT	CONDUCTORS, NO. 10AWG
2	EA	STREETLIGHT DISCONNECT BOX, COMPLETE



ADDENDUM #2	REV.	DESCRIPTION	DATE	DRAWN	CHECKED
05	04	BID	02/11/2026	VARIOUS	MHM
	03	100% SUBMITTAL	01/26/2026	VARIOUS	MHM
	02	90% SUBMITTAL	01/05/2026	VARIOUS	MHM
	01	60% SUBMITTAL	11/14/2025	VARIOUS	MHM
			10/10/2025	VARIOUS	MHM

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MATCH LINE STA 205+00
SEE SHEET 64



MATCH LINE STA 209+00
SEE SHEET 66

LEGEND

- EXISTING PEDESTRIAN LIGHT
- ROADWAY LIGHT - POLE-MOUNTED, CITY OWN
- HANDHOLE
- UNDERGROUND CONDUIT

GENERAL NOTES:

- REFER TO CITY'S CONSTRUCTION SPECIFICATIONS "IV STREETLIGHTS AND SIGNALS" FOR STANDARDS.
- REFER TO SHEETS 67 AND 68 FOR LIGHTING SCHEDULE AND DETAILS.
- ALL ELECTRICAL EQUIPMENT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ANY LOCAL AMENDMENTS.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACQUISITION OF AN ELECTRICAL PERMIT AND SCHEDULING OF THE NECESSARY INSPECTIONS.
- FURNISH ALL NECESSARY ELECTRICAL COMPONENTS TO ENSURE A FULLY FUNCTIONAL SYSTEM.
- CONDUIT IN MEDIAN TO BE PLACED 4 FEET DEEP FROM TOP OF PROPOSED ROAD SURFACE OR AS DIRECTED BY THE ENGINEER.

QUANTITIES

4	EA	FOUNDATION, LIGHT POLE
2	EA	LIGHT POLE, 30' STANDARD
2	EA	LIGHT POLE, 30' STANDARD, 2 LUMINAIRES
4	EA	HANDHOLE ASSEMBLY, 17 IN. X 30 IN. X 18 IN
16	FT	CONDUIT, SCHEDULE 80 PVC, 2 IN
581	FT	CONDUIT, SCHEDULE 80 PVC, 3 IN., QTY 2
1162	FT	CONDUCTORS, NO. 4AWG
581	FT	CONDUCTORS, NO. 8AWG
48	FT	CONDUCTORS, NO. 10AWG

2

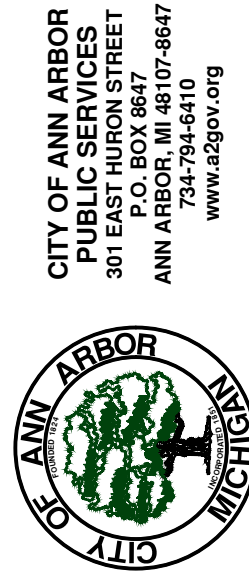
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

N. UNIVERSITY & THAYER IMPROVEMENTS

LIGHTING PLAN - NORTH UNIVERSITY

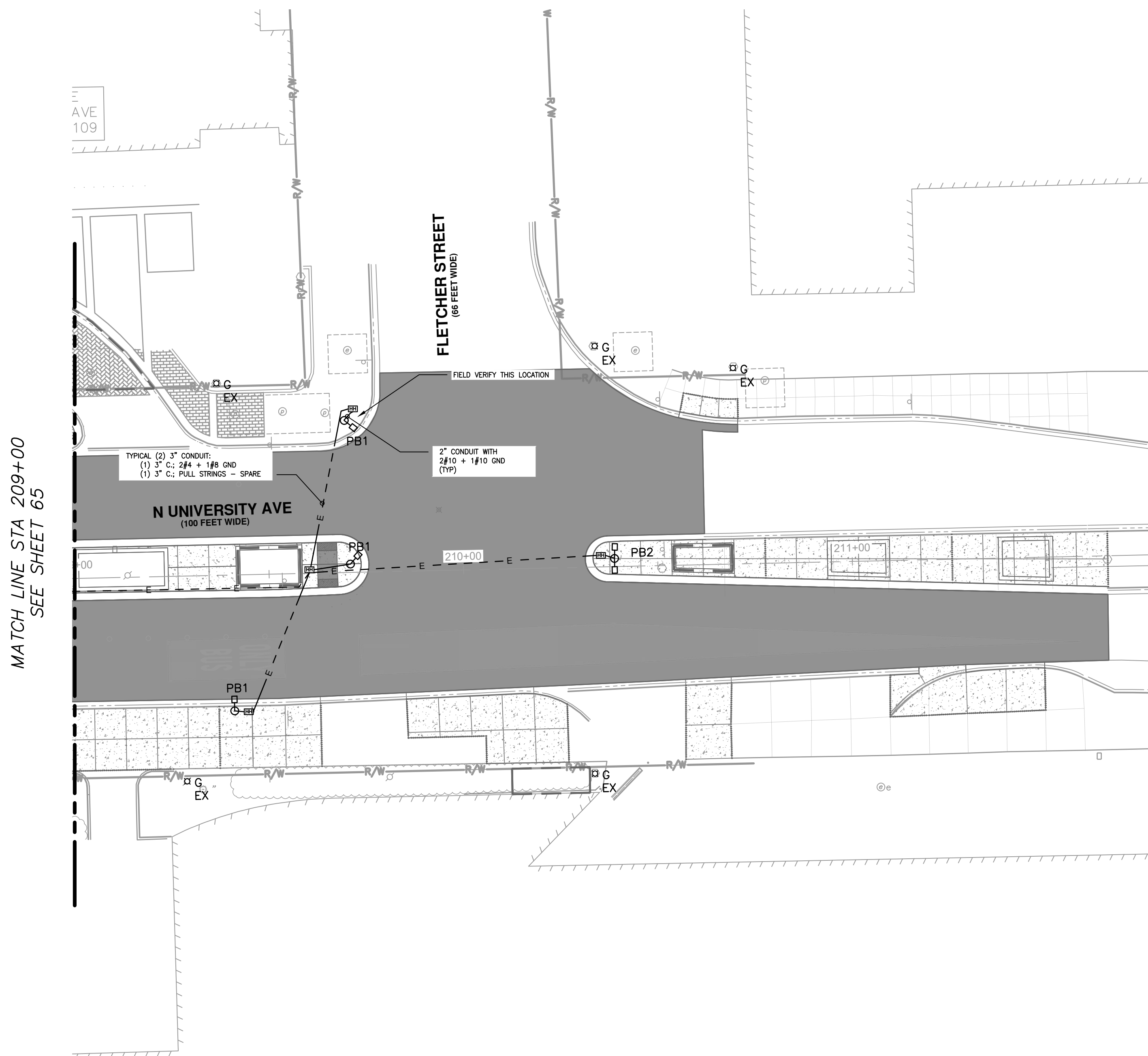
SHEET No.
65 OF 80

DRAWING No.
2023-023-65



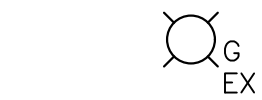
ADDENDUM #2	REV.	DESCRIPTION	DATE	DRAWN	CHECKED
05	04	BID	02/11/2026	VARIOUS	MHM
04	03	100% SUBMITTAL	01/26/2026	VARIOUS	MHM
03	02	90% SUBMITTAL	01/05/2026	VARIOUS	MHM
02	01	60% SUBMITTAL	11/14/2025	VARIOUS	MHM
01	REV.		10/10/2025	VARIOUS	MHM



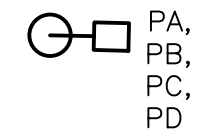


MATCH LINE STA 209+00
SEE SHEET 65

LEGEND



EXISTING PEDESTRIAN LIGHT



ROADWAY LIGHT - POLE-MOUNTED, CITY OWN



HANDHOLE



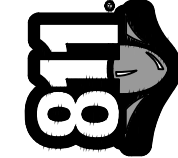
UNDERGROUND CONDUIT

GENERAL NOTES:

1. REFER TO CITY'S CONSTRUCTION SPECIFICATIONS "TV STREETLIGHTS AND SIGNALS" FOR STANDARDS.
2. REFER TO SHEETS 67 AND 68 FOR LIGHTING SCHEDULE AND DETAILS.
3. ALL ELECTRICAL EQUIPMENT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ANY LOCAL AMENDMENTS.
4. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACQUISITION OF AN ELECTRICAL PERMIT AND SCHEDULING OF THE NECESSARY INSPECTIONS.
6. FURNISH ALL NECESSARY ELECTRICAL COMPONENTS TO ENSURE A FULLY FUNCTIONAL SYSTEM.
7. CONDUIT IN MEDIAN TO BE PLACED 4 FEET DEEP FROM TOP OF PROPOSED ROAD SURFACE OR AS DIRECTED BY THE ENGINEER.

QUANTITIES

4	EA	FOUNDATION, LIGHT POLE
3	EA	LIGHT POLE, 30' STANDARD
4	EA	LIGHT POLE, 30' STANDARD, 2 LUMINAIRES
1	EA	HANDHOLE ASSEMBLY, 17 IN. X 30 IN. X 18 IN
16	FT	CONDUIT, SCHEDULE 80 PVC, 2 IN
213	FT	CONDUIT, SCHEDULE 80 PVC, 3 IN., QTY 2
426	FT	CONDUCTORS, NO. 4AWG
213	FT	CONDUCTORS, NO. 8AWG
48	FT	CONDUCTORS, NO. 10AWG



Know what's **below**.
Call before you dig.

05	ADDENDUM #2	02/11/2026	VARIOUS	MMH
04	BID	01/26/2026	VARIOUS	MMH
03	100% SUBMITTAL	01/05/2026	VARIOUS	MMH
02	90% SUBMITTAL	11/14/2025	VARIOUS	MMH
01	60% SUBMITTAL	10/10/2025	VARIOUS	MMH
REF	DESCRIPTION	DATE	DRAWN	CHECKED

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LIC SERVICES - ENGINEERING

N. UNIVERSITY & THAYER IMPROVEMENTS

LIGHTING PLAN - NORTH UNIVERSITY

CITY OF
SCALE : 1"=20'
DRAWING No.
2023-023-66
SHEET No.

c:\pwwork\wade-trim_rbrown\dl339881\ELP-PLTS-Lighting Plan N UNIVERSITY Lighting Plans.dwg Dwg Created: 11-Feb-26 --_a2 standard bw.stb -- Plot Date: 11-Feb-26

LUMINAIRE SCHEDULE									
SYMBOL	QTY	TAG	LABEL	ARRANGEMENT	DESCRIPTION	LLF	LUMINAIRE LUMENS	LUMINAIRE WATTS	MOUNTING HEIGHT (FT)
	3	PA1	LDS-SAL-60-DB-T3-1-40-TM	SINGLE	LED SMALL AREA LIGHT, 60W, 8399 LUMENS, 4000K COLOR TEMPERATURE, TYPE 3 DISTRIBUTION, 40KV SURGE SUPPRESSOR, POLE 30' HIGH, SINGLE LIGHT, NO ARM	0.880	8399	60	30
	3	PA2	LDS-SAL-60-DB-T3-1-40-TM1	BACK-BACK	LED SMALL AREA LIGHT, 60W, 8399 LUMENS, 4000K COLOR TEMPERATURE, TYPE 3 DISTRIBUTION, 40KV SURGE SUPPRESSOR, POLE 30' HIGH, DOUBLE LIGHTS AT 90 DEGREES, NO ARM	0.880	8399	60	30
	4	PB1	LDS-SAL-80-DB-T3-1-40-TM	SINGLE	LED SMALL AREA LIGHT, 80W, 10610 LUMENS, 4000K COLOR TEMPERATURE, TYPE 3 DISTRIBUTION, 40KV SURGE SUPPRESSOR, POLE 30' HIGH, SINGLE LIGHT, NO ARM	0.880	10610	80	30
	1	PB2	LDS-SAL-80-DB-T3-1-40-TM	BACK-BACK	LED SMALL AREA LIGHT, 80W, 10610 LUMENS, 4000K COLOR TEMPERATURE, TYPE 3 DISTRIBUTION, 40KV SURGE SUPPRESSOR, POLE 30' HIGH, DOUBLE LIGHTS AT 90 DEGREES, NO ARM	0.880	10610	80	30
	4	PC1	LDS-SAL-80-DB-T2-1-40-TM	SINGLE	LED SMALL AREA LIGHT, 80W, 10610 LUMENS, 4000K COLOR TEMPERATURE, TYPE 2 DISTRIBUTION, 40KV SURGE SUPPRESSOR, POLE 30' HIGH, SINGLE LIGHT, NO ARM	0.880	10467	80	30
	2	PD1	LDS-SAL-110-DB-T2-1-40-TM	SINGLE	LED SMALL AREA LIGHT, 110W, 16133 LUMENS, 4000K COLOR TEMPERATURE, TYPE 2 DISTRIBUTION, 40KV SURGE SUPPRESSOR, POLE 30' HIGH, SINGLE LIGHT, NO ARM	0.880	15833	110	30

LIGHTING FIXTURE SCHEDULE

NO SCALE



LDS - SAL
LED Small Area Light



Description

The sleek fixture design of the LDS-SAL is a blend of modern sophistication and unmatched energy efficiency. The LDS-SAL small area light includes the benefits of superior thermal efficiency, an industry-leading ten-year all-parts warranty, and custom optics ensuring best-in-class photometric results. Optimize photometric designs with greater pole spacing, uniformity, and lower energy usage. The LDS-SAL includes lumen packages up to 30,000 lumens allowing one-for-one replacements of existing HID fixtures up to 1000 Watt and is a perfect spec-grade solution for parking lots, pathways, tennis courts, and many other outdoor applications. Proudly Made in the USA.

Technical Specifications

Input Voltage: 120-277V or 347-480V.

Housing: Die-cast aluminum housing with 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum adhesion of the powder coating to the aluminum substrate. Housing features an integrated heat sink and driver compartment built into the fixture design.

Mounting: Mounting arm designed for a square / round pole (standard). Additional mounting options include a pole mounting arm adaptor.

Split Circuit: Optional

Effective Projected Area (EPA): 0.83 ft²

Color Temperature: 2200K, 2700K, 3000K, 4000K (standard), 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient outdoor temperatures from -40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher. CRI 90+ available upon request. CRI 90+ not available in 2200K.

Dimming: 0-10V standard dimming capability.

Custom Optics: Lumecon meticulously engineered premium acrylic optical lenses to maximize the distribution and uniformity of light while minimizing cost. Our arrays distribute light at least 21% further and with 29% more uniformity than leading competitors. Lumecon custom lenses create a uniform, well-lit environment that mitigates illuminance "hot spots" and use less wattage than typical LED area lights.

Vandal Resistant: Our lens is also resistant to vandalism with a low compact design making the lens material dense and impact resistant. We build to withstand high abuse lighting environments.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015, Extreme Level. Also meets IEC61643-11 Class II/ EN61643-11 Type 2, and US Dept of Energy MSSC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Catalog Number:	
Project:	
Comments:	
Prepared By:	Date:

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: ETL Listed to UL 1588, UL 8750 Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1588 and UL 8750, Salt Fog tested for 3,000 hours per ASTM B117-16 / ASTM D610-08. Ingress Protection: IP66 per ANSI/IEC 60529-2004. Passed 3G vibration @ 100K cycles, per ANSI C136.31-2016.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Dimulator Photo-Control: Maximize the cost-saving benefits of your outdoor LED light fixtures with the stand-alone Dimming solution. All Dimulators (except for CD and DM-3 versions) have three selectable dimming levels (30%, 50%, 70%) with three different start times (10:00 pm, Midnight, or 2:00 am), which are selectable through the ten position selector switch located on the bottom of the base. All dimming schedules will return to full brightness at 5:00 am. The stand-alone unit is made to work with the ANSI C136.41 receptacle and will provide dimming of LED fixtures.

Manufacturing Origin: US Manufactured and Assembled.

Buy American Act: The product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-56, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements. Sections 70611-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Email: sales@lumecon.com Website: www.lumecon.com Phone: 248-477-0000
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Note: Specifications and photometric data are subject to change at any time without notice.
Please see www.lumecon.com for current specifications and documentation. Sheet 1 of LDS-SAL_01072025



LDS - SAL
LED Small Area Light

Ordering Information

LDS-SAL – Options / Ordering Example: LDS-SAL-110-DB-T5-1-50-MAS

Wattage	Color	Distribution	Voltage	Color Temperature	Mounting Methods
30 - 30 Watts	DB - Dark Bronze	T2 - Type II	1 - 120v-277v	22 - 2200K ⁸	MAS - Mounting Arm (Square Pole) ⁸
43 - 45 Watts	GR - Gray	T3 - Type III	2 - 347v-480v	27 - 2700K ⁸	For a Round pole, add UARP option
60 - 60 Watts	BK - Black	T4 - Type IV		30 - 3000K ⁸	SF - Slip Filter
75 - 75 Watts	WH - White	T5 - Type V		40 - 4000K	TM - Tenon Mount ⁸
80 - 80 Watts	CC - Custom Color			50 - 5000K	
85 - 85 Watts	AF - Automotive Finish				
95 - 95 Watts					
110 - 110 Watts					
125 - 125 Watts					
160 - 160 Watts					
200 - 200 Watts					
220 - 220 Watts					

Options & Accessories

UARP - Universal Adaptor Round Pole

R - Receptacle Only

RS - Receptacle Only with Shoring Cap

7P - Seven-pin Twist Lock Photocell Receptacle Only ¹

PC1 - 120v-277v Button Eye Photocell ²

PC2 - 347v-480v Button Eye Photocell ²

PC3 - 120v-277v Twist Lock Photocell (10 year warranty)

PC4 - 347v-480v Twist Lock Photocell (10 year warranty)

OC1 - On/Off ³

OC2 - Dim/High ^{3,4}

OC3 - On/Off w/Photocell ³

OC4 - Dim/High w/Photocell ^{3,4}

SC - Split Circuit ^{1,4,7}

BB - Battery Back-Up (only available on the 30W - 80W models and on 120/277V models)

BBCR - Battery Back-Up Cold Rated (only available on the 30W - 80W models and on 120/277V models)

DIM4 - 105-305 VAC, 50/60 Hz with 10 position field adjustable selector switch with integrated photocell

DIM4-HV - High Voltage 312-530 VAC, 50/60 Hz with 10 position field adjustable selector switch with integrated photocell

DIM4-CD - Constant all-night Dimming with integrated photocell

DIM4-CD-HV - Constant all-night Dimming, 315-530 VAC 50/60Hz with integrated photocell

DIM4-CUL - 120 VAC, 50/60 Hz, CUL certified version with gray cover with integrated photocell

DIM4-ALC - Adaptive Lighting Control with 2% per year incremental increase to compensate for aging fixture with integrated photocell

DIM3-XX - Factory set dimming schedule (10 position selector switch not available) with integrated photocell

BS5 - Bird Spikes (Field Installed)

BL - Backlight Louver(s) snap over LED Array(s) for Backlight Control at the source ⁹

Accessories ordered as a separate line item:

33-00112 - External Glare Shield

33-00120 - Full Glare Shroud

Notes:

- For units with 7P the mounting must be restricted to +145° from horizontal aim per ANSI C1136.10-2010. If more than a 45° Tilt, use PC1 or PC2
- Cannot be combined with Occupancy Sensor. Use OC3 or OC4 when Occupancy Sensor and Photocell are needed and aiming greater than 45° from horizontal.
- Must note on PO Mounting Height for proper lens application
- See Occupancy Sensor Default Settings Table
- Split circuit is only available for 30W, 45W, 60W, and 80W models.
- Split circuit is not compatible with Occupancy sensing our photo-eye control.
- Split Circuit and Battery Back-up cannot both fit in the same housing. Battery Back-Up will require external. Battery Backup will only control one of the circuits.
- 3000K or warmer, and fixed mounts must be ordered for ICA certification compliance.
- Works with Type 2, Type 3 and Type 4 arrays.

Sheet 1 of LDS-SAL_01072025

LIGHTING FIXTURE

NO SCALE



Know what's below.
Call before you dig.

05	04	03	02	01	REV.

02/11/2026	01/26/2026	01/05/2026	11/14/2025	10/10/2025	DATE

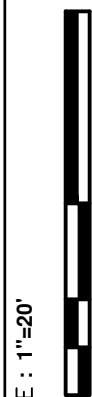
ADDENDUM #2	VARIOUS	VARIOUS	VARIOUS	VARIOUS	DRAWN	CHECKED
BID						

100% SUBMITTAL	90% SUBMITTAL	60% SUBMITTAL	DESCRIPTION

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR MI 48108-8647
www.a2gov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
N. UNIVERSITY & THAYER IMPROVEMENTS
LIGHTING PLAN - LIGHTING FIXTURE DETAIL AND SCHEDULE



SCALE : 1"=20'

DRAWING No.
2023-025-67

SHEET No.

67 OF 80

c:\pwwork\wade--trim_fbrown\dl339881\ELP--PLTS--Lighting Plan N UNIVERSITY PHOTOMETRICS.dwg Dwg Created: 11--Feb--26 -- _a2 standard bw.stb -- Plot Date: 11--Feb--26

STREET LIGHTING DESIGN CRITERIA

(CITY OF ANN ARBOR PUBLIC SERVICES: 2024 STANDARD SPECIFICATIONS, ARTICLE 7 STREETLIGHTS, SECTION H. REQUIRED LIGHTING LEVELS, TABLE A REQUIRED LIGHTING LEVELS, COMMERCIAL USE)

AVERAGE MAINTAINED ILLUMINANCE
UNIFORMITY RATIO AVG./MIN.

2.0 FOOTCANDLES
3:1

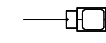
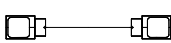
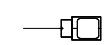
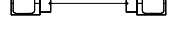

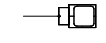
CROSSWALK DESIGN CRITERIA

(ANSI/IES RP--8--22, RECOMMENDED PRACTICE: LIGHTING ROADWAY AND PARKING FACILITIES, SECTION 12.6 MIDBLOCK CROSSWALKS, 12.6.4.2 VERTICAL ILLUMINANCE)

VERTICAL AVERAGE ILLUMINANCE

2.0 TO 4.0 FOOTCANDLES (MEASURED AT 5 FT FROM THE MIDBLOCK SURFACE)

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
N UNIV & Fletcher HZ	Illuminance	Fc	3.46	5.2	1.9	1.92	2.89
N UNIV AND S THAYER ST HZ	Illuminance	Fc	3.81	4.9	2.8	1.36	1.75
N UNIV EAST VERT 1	Illuminance	Fc	2.22	2.6	1.8	1.23	1.44
N UNIV EAST VERT 2	Illuminance	Fc	2.06	2.5	1.4	1.47	1.79
N UNIV EAST VERT 3	Illuminance	Fc	2.48	2.9	1.9	1.31	1.53
N UNIV EAST VERT 4	Illuminance	Fc	1.80	2.1	1.3	1.38	1.62
N UNIV NORTH 1	Illuminance	Fc	2.03	3.7	0.8	2.54	4.63
N UNIV NORTH 2	Illuminance	Fc	3.19	10.7	1.2	2.66	8.92
N UNIV SOUTH 1	Illuminance	Fc	2.41	4.5	0.9	2.68	5.00
N UNIV SOUTH 2	Illuminance	Fc	2.77	8.9	1.2	2.31	7.42
N UNIV WEST VERT 1	Illuminance	Fc	1.88	2.2	1.7	1.11	1.29
N UNIV WEST VERT 2	Illuminance	Fc	2.12	2.8	1.1	1.93	2.55
N UNIV WEST VERT 3	Illuminance	Fc	2.83	3.2	2.2	1.29	1.45
N UNIV WEST VERT 4	Illuminance	Fc	2.12	2.3	1.8	1.18	1.28

Luminaire Schedule									
Symbol	Qty	Tag	Label	Arrangement	Description	LLF	Luminaire Lumens	Luminaire Watts	Mounting Height
	3	PA1	LDS-SAL-60-DB-T3-1-40-TM	Single	LED SMALL AREA LIGHT, 60W, 8399 LUMENS, 4000K COLOR TEMPERATURE, TYPE 3 DISTRIBUTION, 40KV SURGE SUPPRESSOR, POLE 30' HIGH, SINGLE LIGHT, NO ARM	0.880	8399	60.21	30'
	3	PA2	LDS-SAL-60-DB-T3-1-40-TM1	Back-Back	LED SMALL AREA LIGHT, 60W, 8399 LUMENS, 4000K COLOR TEMPERATURE, TYPE 3 DISTRIBUTION, 40KV SURGE SUPPRESSOR, POLE 30' HIGH, DOUBLE LIGHTS AT 90 DEGREES, NO ARM	0.880	8399	60.21	30'
	4	PB1	LDS-SAL-80-DB-T3-1-40-TM-1	Single	LED SMALL AREA LIGHT, 80W, 10610 LUMENS, 4000K COLOR TEMPERATURE, TYPE 3 DISTRIBUTION, 40KV SURGE SUPPRESSOR, POLE 30' HIGH, SINGLE LIGHT, NO ARM	0.880	10610	80.8	30'
	1	PB2	LDS-SAL-80-DB-T3-1-40-TM	Back-Back	LED SMALL AREA LIGHT, 80W, 10610 LUMENS, 4000K COLOR TEMPERATURE, TYPE 3 DISTRIBUTION, 40KV SURGE SUPPRESSOR, POLE 30' HIGH, DOUBLE LIGHTS AT 90 DEGREES, NO ARM	0.880	10610	80.8	30'
	4	PC1	LDS-SAL-80-DB-T2-1-40-MAS-X-X	Single	LED SMALL AREA LIGHT, 80W, 10610 LUMENS, 4000K COLOR TEMPERATURE, TYPE 2 DISTRIBUTION, 40KV SURGE SUPPRESSOR, POLE 30' HIGH, SINGLE LIGHT, NO ARM	0.880	10467	80.8	30'
	2	PD1	LDS-SAL-110-DB-T2-1-40-TM	Single	LED SMALL AREA LIGHT, 110W, 16133 LUMENS, 4000K COLOR TEMPERATURE, TYPE 2 DISTRIBUTION, 40KV SURGE SUPPRESSOR, POLE 30' HIGH, SINGLE LIGHT, NO ARM	0.880	15833	107.54	30'

2



VARIOUS	MM
VARIOUS	MM
VARIOUS	MM
VARIOUS	MM
VARIOUS	MM
DRAWN	CHECKED

02/11/2026	ADDENDUM #2
01/26/2026	BID
01/05/2026	100% SUBMITTAL
11/14/2025	90% SUBMITTAL
10/10/2025	60% SUBMITTAL
DATE	DESCRIPTION

05	REV.
04	
03	
02	
01	

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR MI 48106-6647
www.a2gov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

N. UNIVERSITY & THAYER IMPROVEMENTS

LIGHTING DETAILS

SCALE : 1"=20'

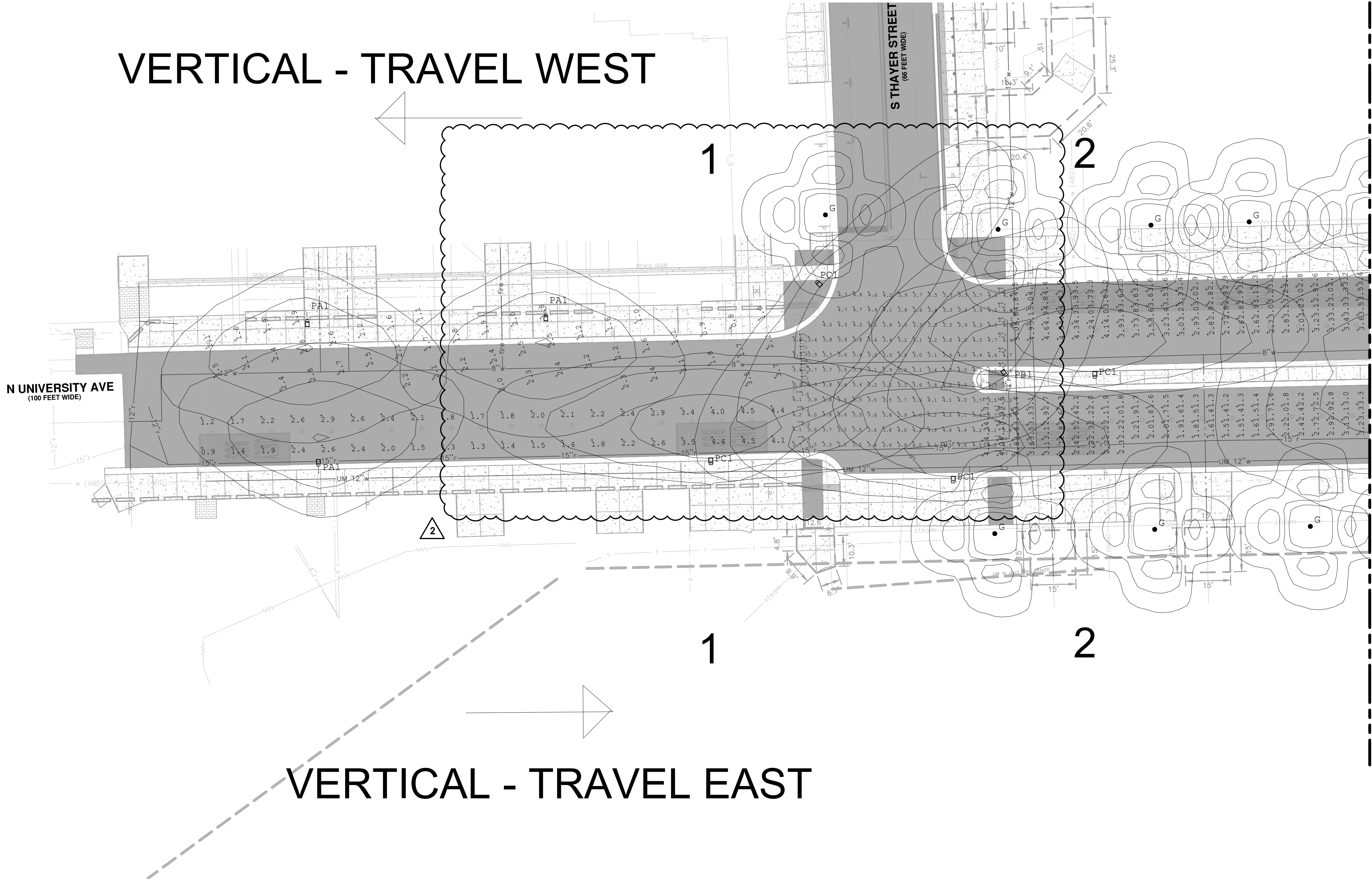
DRAWING No.

2023-023-69

SHEET No.

69 OF 80

c:\pw_work\wade-trim_rbrown\dl339881\ELP-PLTS-Lighting Plan N UNIVERSITY PHOTOMETRICS.dwg Dwg Created: 11-Feb-26 --_a2 standard bw.stb -- Plot Date: 11-Feb-26



ADDENDUM #2	05	04	03	02	01	REV.
BID						
100% SUBMITTAL						
90% SUBMITTAL						
60% SUBMITTAL						
DESCRIPTION						
DATE						
DRAWN						
CHECKED						



Defect Listing

Pipe Segment Reference 95-60954	City* Ann Arbor	Street* N University	Material* Reinforced Concrete Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 92-60916	Total Length 91	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60857	Length surveyed 85.7	Year Renewed	Height* 24	Width*	Pipe Joint

SPR 0	MPR 0	PO Number		Customer	
SPRI 0	MPRI 0	Work Order Number		Purpose	
QSR 0000	QMR 0000				
OPR 0	Surveyed By* JBell	Direction* Downstream	Date* 8/7/2023 7:59:46 AM	Media label	
OPRI 0	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 8:00:00 AM	Weather	
Date Cleaned			End Time 8/7/2023 8:02:57 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60916									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
85.7	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60857									

*Indicates required field



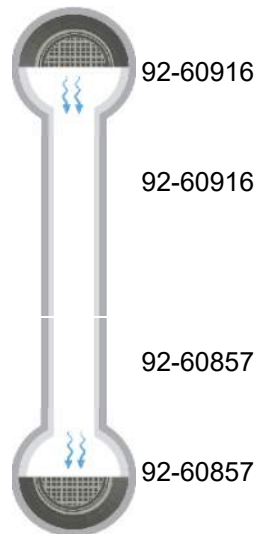
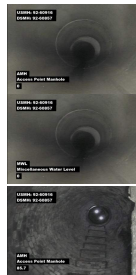
Defect Listing Plot With Images

Pipe Segment Reference 95-60954	City* Ann Arbor	Street* N University	Material* Reinforced Concrete Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 92-60916	Total Length 91	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 92-60857	Length surveyed 85.7	Year Renewed	Height* 24	Width*	Pipe Joint	
SPR 0	MPR 0	PO Number		Customer		
SPRI 0	MPRI 0	Work Order Number		Purpose		
QSR 0000	QMR 0000					
OPR 0	Surveyed By* JBell	Direction* Downstream	Date* 8/7/2023 7:59:46 AM		Media label	
OPRI 0	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 8:00:00 AM		Weather	
Date Cleaned			End Time 8/7/2023 8:02:57 AM		Additional Info	

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

85.7 ft Access Point Manhole



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60954	Ann Arbor	N University	Reinforced Concrete Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-60916	91		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60857	85.7		24		



Distance:	0 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-60916	



0 ft	0 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



Distance:	85.7 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-60857	

*Indicates required field



Defect Listing

Pipe Segment Reference 95-62278	City* Ann Arbor	Street* N University	Material* Reinforced Concrete Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 92-60913	Total Length 245.4	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-61000	Length surveyed 243.1	Year Renewed	Height* 15	Width*	Pipe Joint

SPR 4	MPR 0	PO Number		Customer	
SPRI 4	MPRI 0	Work Order Number		Purpose	
QSR 4100	QMR 0000				
OPR 4	Surveyed By* JBell	Direction* Upstream	Date* 8/8/2023 8:33:00 AM	Media label	
OPRI 4	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/8/2023 8:33:59 AM	Weather	
Date Cleaned			End Time 8/8/2023 8:40:09 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-61000									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
18.4	Tap Break-in/Hammer		12			<input type="checkbox"/>	10		
55.5	Tap Break-in/Hammer		4			<input type="checkbox"/>	2		
219.8	Broken Pipe					<input type="checkbox"/>	12		4
243.1	Access Point Manhole					<input type="checkbox"/>			

Remarks: 92-60913

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference 95-62278	City* Ann Arbor	Street* N University	Material* Reinforced Concrete Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 92-60913	Total Length 245.4	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 92-61000	Length surveyed 243.1	Year Renewed	Height* 15	Width*	Pipe Joint	
SPR 4	MPR 0	PO Number		Customer		
SPRI 4	MPRI 0	Work Order Number		Purpose		
QSR 4100	QMR 0000					
OPR 4	Surveyed By* JBell	Direction* Upstream	Date* 8/8/2023 8:33:00 AM		Media label	
OPRI 4	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/8/2023 8:33:59 AM		Weather	
Date Cleaned			End Time 8/8/2023 8:40:09 AM		Additional Info	

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

18.4 ft Tap Break-in/Hammer

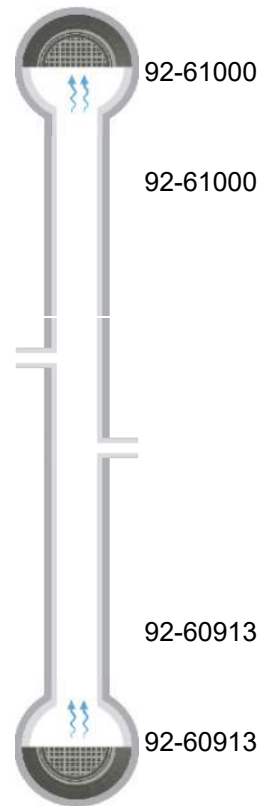
55.5 ft Tap Break-in/Hammer

219.8 ft Broken Pipe

243.1 ft Access Point Manhole



4



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-62278	Ann Arbor	N University	Reinforced Concrete Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-60913	245.4		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-61000	243.1		15		



Distance:	0 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-61000	



0 ft	0 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



Distance:	18.4 ft	Grade:
Conditions:	Tap Break-in/Hammer	
Remarks:		



55.5 ft	55.5 ft	Grade:
Conditions:	Tap Break-in/Hammer	
Remarks:		

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-62278	Ann Arbor	N University	Reinforced Concrete Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-60913	245.4		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-61000	243.1		15		



Distance:	219.8 ft	Grade:	4
Conditions:	Broken Pipe		
Remarks:			

243.1 ft	243.1 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	92-60913		

*Indicates required field



Defect Listing

Pipe Segment Reference 95-75069	City* Ann Arbor	Street* n university ave	Material* Reinforced Concrete Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-60067	Total Length 32	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60908	Length surveyed 28.1	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 0	MPR 0	PO Number		Customer	
SPRI 0	MPRI 0	Work Order Number		Purpose	
QSR 0000	QMR 0000				
OPR 0	Surveyed By* Steve Pierce	Direction* Upstream	Date* 8/30/2024 12:26:09 PM	Media label	
OPRI 0	Certificate Number* training	Pre-Cleaning No Pre-Cleaning	Time 8/30/2024 12:26:32 PM	Weather	
Date Cleaned			End Time 8/30/2024 12:27:28 PM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60908									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
28.1	Access Points Catch Basin					<input type="checkbox"/>			
Remarks: 88-60067									

*Indicates required field



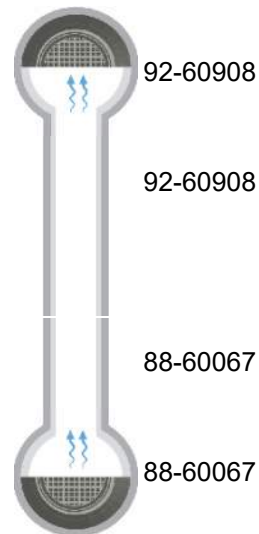
Defect Listing Plot With Images

Pipe Segment Reference 95-75069	City* Ann Arbor	Street* n university ave	Material* Reinforced Concrete Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 88-60067	Total Length 32	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 92-60908	Length surveyed 28.1	Year Renewed	Height* 12	Width*	Pipe Joint	
SPR 0	MPR 0	PO Number		Customer		
SPRI 0	MPRI 0	Work Order Number		Purpose		
QSR 0000	QMR 0000					
OPR 0	Surveyed By* Steve Pierce	Direction* Upstream	Date* 8/30/2024 12:26:09 PM		Media label	
OPRI 0	Certificate Number* training	Pre-Cleaning No Pre-Cleaning	Time 8/30/2024 12:26:32 PM		Weather	
Date Cleaned			End Time 8/30/2024 12:27:28 PM		Additional Info	

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

28.1 ft Access Points Catch Basin



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-75069	Ann Arbor	n university ave	Reinforced Concrete Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-60067	32		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60908	28.1		12		



Distance:	0 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-60908	



0 ft	0 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



Distance:	28.1 ft	Grade:
Conditions:	Access Points Catch Basin	
Remarks:	88-60067	

*Indicates required field



Defect Listing

Pipe Segment Reference 95-60731	City* Ann Arbor	Street* N University	Material* Concrete Pipe (non-reinforced)	Location Code	Pipe Use Stormwater
Upstream MH* 88-61320	Total Length 20	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 88-61295	Length surveyed 14.4	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 0	MPR 0	PO Number		Customer	
SPRI 0	MPRI 0	Work Order Number		Purpose	
QSR 0000	QMR 0000				
OPR 0	Surveyed By* JBell	Direction* Downstream	Date* 8/7/2023 9:44:32 AM	Media label	
OPRI 0	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 9:45:01 AM	Weather	
Date Cleaned			End Time 8/7/2023 9:46:04 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Points Catch Basin					<input type="checkbox"/>			
Remarks: 88-61320									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
14.4	Access Points Catch Basin					<input type="checkbox"/>			
Remarks: 88-61295									

*Indicates required field



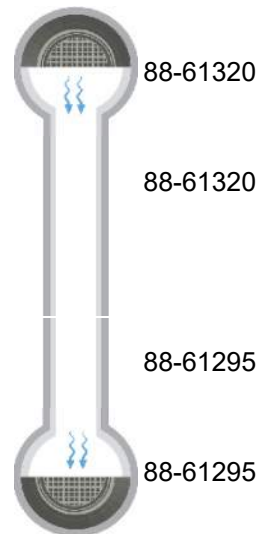
Defect Listing Plot With Images

Pipe Segment Reference 95-60731	City* Ann Arbor	Street* N University	Material* Concrete Pipe (non-reinforced)		Location Code	Pipe Use Stormwater
Upstream MH* 88-61320	Total Length 20	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 88-61295	Length surveyed 14.4	Year Renewed	Height* 12	Width*	Pipe Joint	
SPR 0	MPR 0	PO Number		Customer		
SPRI 0	MPRI 0	Work Order Number		Purpose		
QSR 0000	QMR 0000					
OPR 0	Surveyed By* JBell	Direction* Downstream	Date* 8/7/2023 9:44:32 AM		Media label	
OPRI 0	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 9:45:01 AM		Weather	
Date Cleaned			End Time 8/7/2023 9:46:04 AM		Additional Info	

0 ft Access Points Catch Basin

0 ft Miscellaneous Water Level

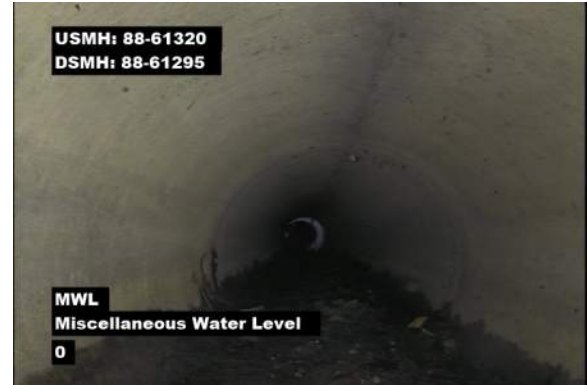
14.4 ft Access Points Catch Basin



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60731	Ann Arbor	N University	Concrete Pipe (non-reinforced)		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-61320	20		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
88-61295	14.4		12		



Distance:	0 ft	Grade:
Conditions:	Access Points Catch Basin	
Remarks:	88-61320	

0 ft	0 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



Distance:	14.4 ft	Grade:
Conditions:	Access Points Catch Basin	
Remarks:	88-61295	

*Indicates required field



Defect Listing

Pipe Segment Reference 95-60742	City* Ann Arbor	Street* N University	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-51278	Total Length 20	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 88-51279	Length surveyed 14.9	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 4	MPR 0	PO Number		Customer	
SPRI 4	MPRI 0	Work Order Number		Purpose	
QSR 4100	QMR 0000				
OPR 4	Surveyed By* JBell	Direction* Upstream	Date* 8/7/2023 12:26:08 PM	Media label	
OPRI 4	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 12:26:20 PM	Weather	
Date Cleaned			End Time 8/7/2023 12:27:47 PM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Points Catch Basin					<input type="checkbox"/>			
Remarks: 88-51279									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
8	Broken Pipe					<input type="checkbox"/>	12		4
14.9	Access Point Manhole					<input type="checkbox"/>			
Remarks: 88-51278									

*Indicates required field



Defect Listing Plot With Images

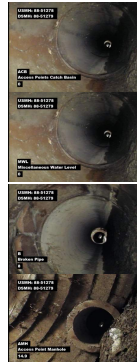
Pipe Segment Reference 95-60742	City* Ann Arbor	Street* N University	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-51278	Total Length 20	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 88-51279	Length surveyed 14.9	Year Renewed	Height* 12	Width*	Pipe Joint
SPR 4	MPR 0	PO Number		Customer	
SPRI 4	MPRI 0	Work Order Number		Purpose	
QSR 4100	QMR 0000				
OPR 4	Surveyed By* JBell	Direction* Upstream	Date* 8/7/2023 12:26:08 PM	Media label	
OPRI 4	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 12:26:20 PM	Weather	
Date Cleaned			End Time 8/7/2023 12:27:47 PM	Additional Info	

0 ft Access Points Catch Basin

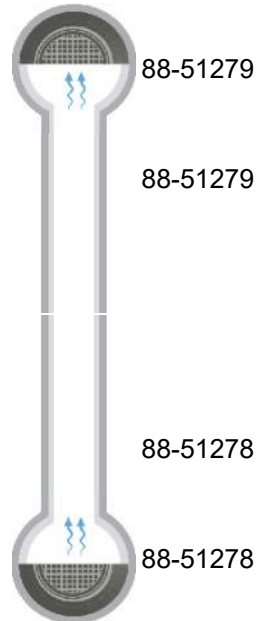
0 ft Miscellaneous Water Level

8 ft Broken Pipe

14.9 ft Access Point Manhole



4



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60742	Ann Arbor	N University	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-51278	20		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
88-51279	14.9		12		



Distance:	0 ft	Grade:	
Conditions:	Access Points Catch Basin		
Remarks:	88-51279		

0 ft	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	8 ft	Grade:	4
Conditions:	Broken Pipe		
Remarks:			

14.9 ft	14.9 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	88-51278		

*Indicates required field



Defect Listing

Pipe Segment Reference 95-60743	City* Ann Arbor	Street* N University	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-51277	Total Length 21	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 88-51278	Length surveyed 19.6	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 0	MPR 0	PO Number		Customer	
SPRI 0	MPRI 0	Work Order Number		Purpose	
QSR 0000	QMR 0000				
OPR 0	Surveyed By* JBell	Direction* Downstream	Date* 8/7/2023 1:17:09 PM		Media label
OPRI 0	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 1:17:22 PM		Weather
Date Cleaned			End Time 8/7/2023 1:18:52 PM		Additional Info

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Points Catch Basin					<input type="checkbox"/>			
Remarks: 88-51278									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
19.6	Access Point Manhole					<input type="checkbox"/>			
Remarks: 88-51278									

*Indicates required field



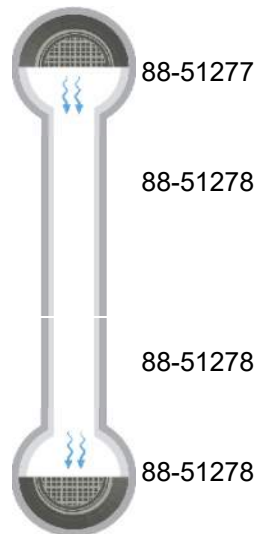
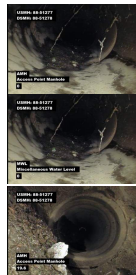
Defect Listing Plot With Images

Pipe Segment Reference 95-60743	City* Ann Arbor	Street* N University	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-51277	Total Length 21	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 88-51278	Length surveyed 19.6	Year Renewed	Height* 12	Width*	Pipe Joint
SPR 0	MPR 0	PO Number		Customer	
SPRI 0	MPRI 0	Work Order Number		Purpose	
QSR 0000	QMR 0000				
OPR 0	Surveyed By* JBell	Direction* Downstream	Date* 8/7/2023 1:17:09 PM	Media label	
OPRI 0	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 1:17:22 PM	Weather	
Date Cleaned			End Time 8/7/2023 1:18:52 PM	Additional Info	

0 ft Access Points Catch Basin

0 ft Miscellaneous Water Level

19.6 ft Access Point Manhole



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60743	Ann Arbor	N University	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-51277	21		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
88-51278	19.6		12		



Distance:	0 ft	Grade:
Conditions:	Access Points Catch Basin	
Remarks:	88-51278	



0 ft	0 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



Distance:	19.6 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	88-51278	

*Indicates required field



Defect Listing

Pipe Segment Reference 95-75070	City* Ann Arbor	Street* N University	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-60068	Total Length 21	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 88-60069	Length surveyed 20	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 0	MPR 5	PO Number		Customer	
SPRI 0	MPRI 5	Work Order Number		Purpose	
QSR 0000	QMR 5100				
OPR 5	Surveyed By* JBell	Direction* Upstream	Date* 8/7/2023 11:58:46 AM	Media label	
OPRI 5	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 12:03:25 PM	Weather	
Date Cleaned			End Time 8/7/2023 12:05:19 PM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 88-60069									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
5.9	Deposits Settled Fine				35	<input type="checkbox"/>	6		5
20	Access Points Catch Basin					<input type="checkbox"/>			
Remarks: 88-60068									

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference 95-75070	City* Ann Arbor	Street* N University	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-60068	Total Length 21	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 88-60069	Length surveyed 20	Year Renewed	Height* 12	Width*	Pipe Joint
SPR 0	MPR 5	PO Number		Customer	
SPRI 0	MPRI 5	Work Order Number		Purpose	
QSR 0000	QMR 5100				
OPR 5	Surveyed By* JBell	Direction* Upstream	Date* 8/7/2023 11:58:46 AM	Media label	
OPRI 5	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 12:03:25 PM	Weather	
Date Cleaned			End Time 8/7/2023 12:05:19 PM	Additional Info	

0 ft Access Point Manhole

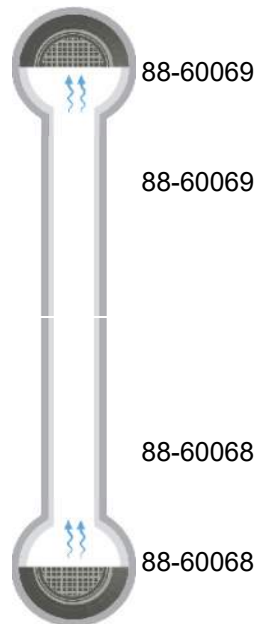
0 ft Miscellaneous Water Level

5.9 ft Deposits Settled Fine

20 ft Access Points Catch Basin



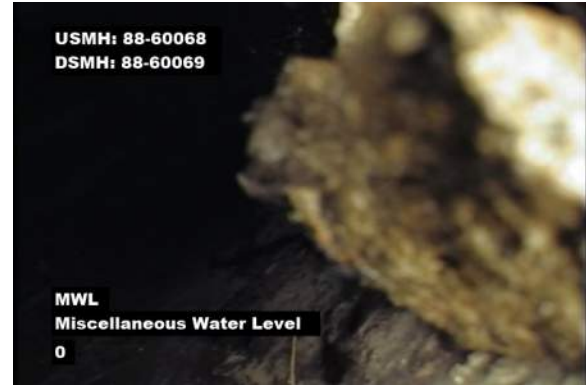
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*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-75070	Ann Arbor	N University	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-60068	21		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
88-60069	20		12		



Distance:	0 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	88-60069		

0 ft	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	5.9 ft	Grade:	5
Conditions:	Deposits Settled Fine		
Remarks:			

20 ft	20 ft	Grade:	
Conditions:	Access Points Catch Basin		
Remarks:	88-60068		

*Indicates required field



Defect Listing

Pipe Segment Reference 95-60732	City* Ann Arbor	Street* N University	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-61319	Total Length 26	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 88-61320	Length surveyed 26	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 0	MPR 3	PO Number		Customer	
SPRI 0	MPRI 3	Work Order Number		Purpose	
QSR 0000	QMR 3100				
OPR 3	Surveyed By* JBell	Direction* Upstream	Date* 8/7/2023 9:30:35 AM	Media label	
OPRI 3	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 9:30:45 AM	Weather	
Date Cleaned			End Time 8/7/2023 9:42:53 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 88-61320									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
4.9	Deposits Settled Fine				20	<input type="checkbox"/>	6		3
26	Access Points Catch Basin					<input type="checkbox"/>			
Remarks: 88-61319									

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference 95-60732	City* Ann Arbor	Street* N University	Material* Vitrified Clay Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 88-61319	Total Length 26	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 88-61320	Length surveyed 26	Year Renewed	Height* 12	Width*	Pipe Joint	
SPR 0	MPR 3	PO Number		Customer		
SPRI 0	MPRI 3	Work Order Number		Purpose		
QSR 0000	QMR 3100					
OPR 3	Surveyed By* JBell	Direction* Upstream	Date* 8/7/2023 9:30:35 AM		Media label	
OPRI 3	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 9:30:45 AM		Weather	
Date Cleaned			End Time 8/7/2023 9:42:53 AM		Additional Info	

0 ft Access Point Manhole

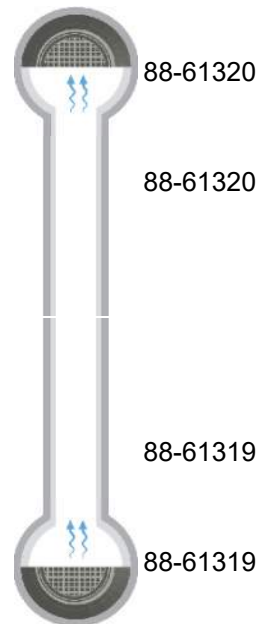
0 ft Miscellaneous Water Level

4.9 ft Deposits Settled Fine

26 ft Access Points Catch Basin



3



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60732	Ann Arbor	N University	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-61319	26		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
88-61320	26		12		



Distance:	0 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	88-61320		



Distance:	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	4.9 ft	Grade:	3
Conditions:	Deposits Settled Fine		
Remarks:			



Distance:	26 ft	Grade:	
Conditions:	Access Points Catch Basin		
Remarks:	88-61319		

*Indicates required field



Defect Listing

Pipe Segment Reference 95-75235	City* Ann Arbor	Street* N University	Material* Reinforced Concrete Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-60070	Total Length 7.44	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60914	Length surveyed 4.1	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 0	MPR 0	PO Number		Customer	
SPRI 0	MPRI 0	Work Order Number		Purpose	
QSR 0000	QMR 0000				
OPR 0	Surveyed By* JBell	Direction* Downstream	Date* 8/8/2023 8:51:03 AM	Media label	
OPRI 0	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/8/2023 8:51:14 AM	Weather	
Date Cleaned			End Time 8/8/2023 8:53:01 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 88-60070									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
4.1	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60914									

*Indicates required field



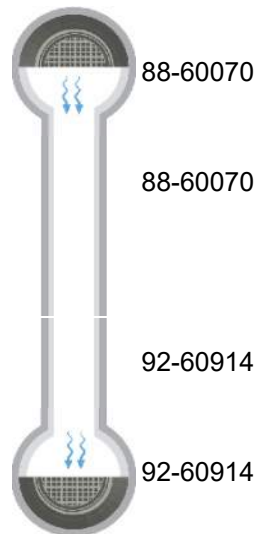
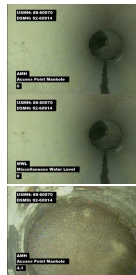
Defect Listing Plot With Images

Pipe Segment Reference 95-75235	City* Ann Arbor	Street* N University	Material* Reinforced Concrete Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 88-60070	Total Length 7.44	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 92-60914	Length surveyed 4.1	Year Renewed	Height* 12	Width*	Pipe Joint	
SPR 0	MPR 0	PO Number		Customer		
SPRI 0	MPRI 0	Work Order Number		Purpose		
QSR 0000	QMR 0000					
OPR 0	Surveyed By* JBell	Direction* Downstream	Date* 8/8/2023 8:51:03 AM		Media label	
OPRI 0	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/8/2023 8:51:14 AM		Weather	
Date Cleaned			End Time 8/8/2023 8:53:01 AM		Additional Info	

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

4.1 ft Access Point Manhole



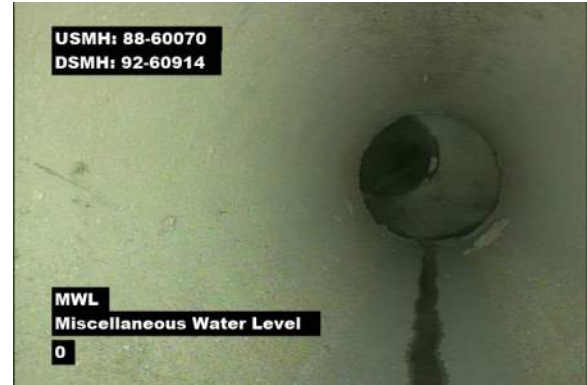
*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-75235	Ann Arbor	N University	Reinforced Concrete Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-60070	7.44		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60914	4.1		12		



Distance:	0 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	88-60070	



0 ft	0 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



Distance:	4.1 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-60914	

*Indicates required field



Defect Listing

Pipe Segment Reference 95-60953	City* AA	Street* N university ave	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 92-60915	Total Length 48.1	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60488	Length surveyed 22.5	Year Renewed	Height* 15	Width*	Pipe Joint

SPR 5	MPR 0	PO Number		Customer	
SPRI 2.5	MPRI 0	Work Order Number		Purpose	
QSR 3121	QMR 0000				
OPR 5	Surveyed By* Steve Pierce	Direction* Downstream	Date* 10/4/2024 5:52:29 AM		Media label
OPRI 2.5	Certificate Number* training	Pre-Cleaning No Pre-Cleaning	Time 10/4/2024 5:52:51 AM		Weather
Date Cleaned			End Time 10/4/2024 5:54:12 AM		Additional Info

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60915									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
0.1	Crack Multiple					<input type="checkbox"/>	7	9	3
16.6	Crack Longitudinal					<input type="checkbox"/>	12		2
22.5	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60488									

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference 95-60953	City* AA	Street* N university ave	Material* Vitrified Clay Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 92-60915	Total Length 48.1	Year Constructed	Shape* Circular		Location Details	
Downsstream MH* 92-60488	Length surveyed 22.5	Year Renewed	Height* 15	Width*	Pipe Joint	
SPR 5	MPR 0	PO Number		Customer		
SPRI 2.5	MPRI 0					
QSR 3121	QMR 0000	Work Order Number		Purpose		
OPR 5	Surveyed By* Steve Pierce	Direction* Downstream	Date* 10/4/2024 5:52:29 AM		Media label	
OPRI 2.5	Certificate Number* training	Pre-Cleaning No Pre-Cleaning	Time 10/4/2024 5:52:51 AM		Weather	
Date Cleaned			End Time 10/4/2024 5:54:12 AM		Additional Info	

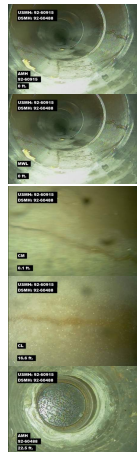
0 ft Access Point Manhole

0 ft Miscellaneous Water Level

0.1 ft Crack Multiple

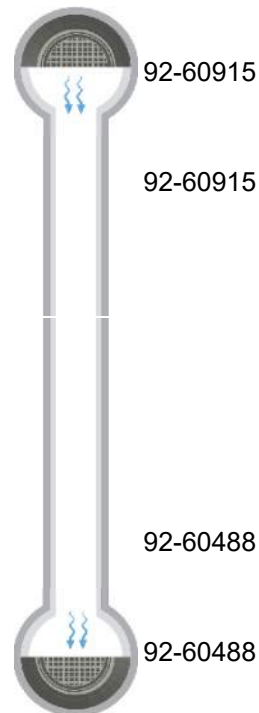
16.6 ft Crack Longitudinal

22.5 ft Access Point Manhole



3

2



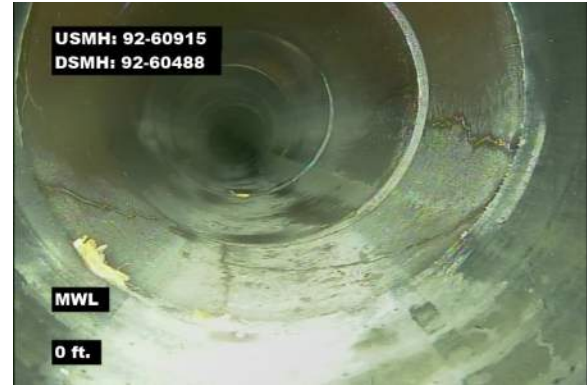
*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60953	AA	N university ave	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-60915	48.1		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60488	22.5		15		



Distance:	0 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	92-60915		



0 ft	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	0.1 ft	Grade:	3
Conditions:	Crack Multiple		
Remarks:			



16.6 ft	16.6 ft	Grade:	2
Conditions:	Crack Longitudinal		
Remarks:			

*Indicates required field



Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60953	AA	N university ave	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-60915	48.1		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60488	22.5		15		



Distance:	22.5 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-60488	

*Indicates required field



Defect Listing

Pipe Segment Reference 95-60952	City* Ann Arbor	Street* N University	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 92-60914	Total Length 26.22	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60915	Length surveyed 21.3	Year Renewed	Height* 15	Width*	Pipe Joint

SPR 0	MPR 0	PO Number		Customer	
SPRI 0	MPRI 0	Work Order Number		Purpose	
QSR 0000	QMR 0000				
OPR 0	Surveyed By* JBell	Direction* Upstream	Date* 8/8/2023 9:01:36 AM	Media label	
OPRI 0	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/8/2023 9:02:46 AM	Weather	
Date Cleaned			End Time 8/8/2023 9:06:01 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60915									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
18.7	Miscellaneous Material Change					<input type="checkbox"/>			
Remarks: N12									
21.3	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60914									

*Indicates required field



Defect Listing Plot With Images

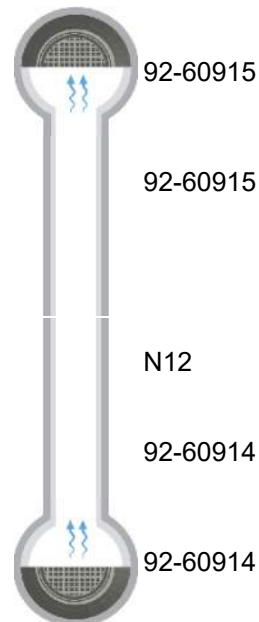
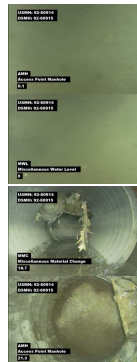
Pipe Segment Reference 95-60952	City* Ann Arbor	Street* N University	Material* Vitrified Clay Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 92-60914	Total Length 26.22	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 92-60915	Length surveyed 21.3	Year Renewed	Height* 15	Width*	Pipe Joint	
SPR 0	MPR 0	PO Number		Customer		
SPRI 0	MPRI 0	Work Order Number		Purpose		
QSR 0000	QMR 0000					
OPR 0	Surveyed By* JBell	Direction* Upstream	Date* 8/8/2023 9:01:36 AM		Media label	
OPRI 0	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/8/2023 9:02:46 AM		Weather	
Date Cleaned			End Time 8/8/2023 9:06:01 AM		Additional Info	

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

18.7 ft Miscellaneous Material Change

21.3 ft Access Point Manhole



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60952	Ann Arbor	N University	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-60914	26.22		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60915	21.3		15		



Distance:	0 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-60915	

0 ft	0 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



Distance:	18.7 ft	Grade:
Conditions:	Miscellaneous Material Change	
Remarks:	N12	

21.3 ft	21.3 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-60914	

*Indicates required field



Defect Listing

Pipe Segment Reference 95-75071	City* Ann Arbor	Street* N University	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-60069	Total Length 33.37	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 97-50869	Length surveyed 30	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 0	MPR 0	PO Number		Customer	
SPRI 0	MPRI 0	Work Order Number		Purpose	
QSR 0000	QMR 0000				
OPR 0	Surveyed By* JBell	Direction* Downstream	Date* 8/7/2023 12:07:01 PM		Media label
OPRI 0	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 12:07:31 PM		Weather
Date Cleaned			End Time 8/7/2023 12:09:01 PM		Additional Info

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 88-60069									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
30	Access Point Tee Connection					<input type="checkbox"/>			
Remarks: 97-50869									

*Indicates required field



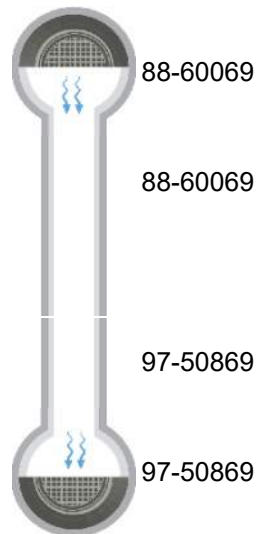
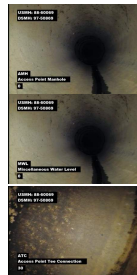
Defect Listing Plot With Images

Pipe Segment Reference 95-75071	City* Ann Arbor	Street* N University	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-60069	Total Length 33.37	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 97-50869	Length surveyed 30	Year Renewed	Height* 12	Width*	Pipe Joint
SPR 0	MPR 0	PO Number		Customer	
SPRI 0	MPRI 0	Work Order Number		Purpose	
QSR 0000	QMR 0000				
OPR 0	Surveyed By* JBell	Direction* Downstream	Date* 8/7/2023 12:07:01 PM	Media label	
OPRI 0	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 12:07:31 PM	Weather	
Date Cleaned			End Time 8/7/2023 12:09:01 PM	Additional Info	

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

30 ft Access Point Tee Connection



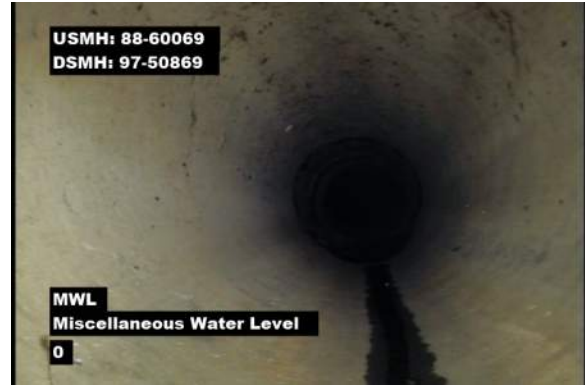
*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-75071	Ann Arbor	N University	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-60069	33.37		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
97-50869	30		12		



Distance:	0 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	88-60069	



0 ft	0 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



Distance:	30 ft	Grade:
Conditions:	Access Point Tee Connection	
Remarks:	97-50869	

*Indicates required field



Defect Listing

Pipe Segment Reference 95-62280	City* Ann Arbor	Street* N University	Material* Reinforced Concrete Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-50019	Total Length 41.35	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60914	Length surveyed 40	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 17	MPR 0	PO Number		Customer	
SPRI 4.2	MPRI 0	Work Order Number		Purpose	
QSR 5143	QMR 0000				
OPR 17	Surveyed By* JBell	Direction* Downstream	Date* 8/8/2023 7:42:48 AM	Media label	
OPRI 4.2	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/8/2023 7:43:09 AM	Weather	
Date Cleaned			End Time 8/8/2023 7:51:44 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 88-50019									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
12.2	Crack Longitudinal Hinge 4					<input type="checkbox"/>	12	9	4
19.3	Tap Factory Made Capped		8			<input type="checkbox"/>	12		
24.3	Hole Soil Visible					<input type="checkbox"/>	12		5
25.5	Point Repair Replacement					<input type="checkbox"/>			
Remarks: SDR									
36	Joint Offset Large					<input type="checkbox"/>			4
36.5	Point Repair Liner Defective					<input type="checkbox"/>			4
Remarks: Either fernco has failed or was not installed									
40	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60914									

*Indicates required field

Defect Listing Plot With Images

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-62280	Ann Arbor	N University	Reinforced Concrete Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-50019	41.35		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60914	40		12		

SPR	MPR	PO Number		Customer	
17	0				
SPRI	MPRI	Work Order Number		Purpose	
4.2	0				
QSR	QMR				
5143	0000				
OPR	Surveyed By*	Direction*	Date*	Media label	
17	JBell	Downstream	8/8/2023 7:42:48 AM		
OPRI	Certificate Number*	Pre-Cleaning	Time	Weather	
4.2	U-1117-07009559	No Pre-Cleaning	8/8/2023 7:43:09 AM		
Date Cleaned			End Time	Additional Info	
			8/8/2023 7:51:44 AM		

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

12.2 ft Crack Longitudinal Hinge 4

19.3 ft Tap Factory Made Capped

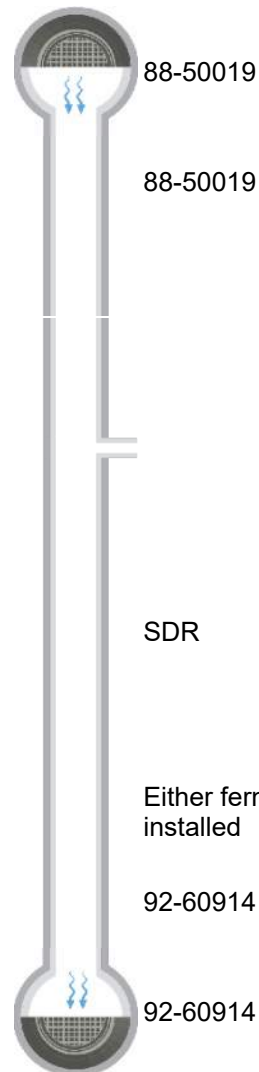
24.3 ft Hole Soil Visible 5

25.5 ft Point Repair Replacement

36 ft Joint Offset Large 4

36.5 ft Point Repair Liner Defective 4

40 ft Access Point Manhole



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-62280	Ann Arbor	N University	Reinforced Concrete Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-50019	41.35		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60914	40		12		



Distance:	0 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	88-50019		



0 ft	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	12.2 ft	Grade:	4
Conditions:	Crack Longitudinal Hinge 4		
Remarks:			



19.3 ft	19.3 ft	Grade:	
Conditions:	Tap Factory Made Capped		
Remarks:			

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-62280	Ann Arbor	N University	Reinforced Concrete Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-50019	41.35		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60914	40		12		



Distance: 24.3 ft Grade: 5
Conditions: Hole Soil Visible
Remarks:



25.5 ft 25.5 ft Grade:
Conditions: Point Repair Replacement
Remarks: SDR



Distance: 36 ft Grade: 4
Conditions: Joint Offset Large
Remarks:



36.5 ft 36.5 ft Grade: 4
Conditions: Point Repair Liner Defective
Remarks: Either fernco has failed or was not installed

*Indicates required field



Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-62280	Ann Arbor	N University	Reinforced Concrete Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-50019	41.35		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60914	40		12		



Distance:	40 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-60914	

*Indicates required field



Defect Listing

Pipe Segment Reference 95-61038	City* Ann Arbor	Street* N University	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 92-61000	Total Length 14.23	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60914	Length surveyed 9	Year Renewed	Height* 15	Width*	Pipe Joint

SPR 0	MPR 0	PO Number		Customer	
SPRI 0	MPRI 0	Work Order Number		Purpose	
QSR 0000	QMR 0000				
OPR 0	Surveyed By* JBell	Direction* Downstream	Date* 8/8/2023 8:28:15 AM		Media label
OPRI 0	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/8/2023 8:30:29 AM		Weather
Date Cleaned			End Time 8/8/2023 8:32:10 AM		Additional Info

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-61000									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
9	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60914									
9	Miscellaneous General					<input type="checkbox"/>			
Remarks: Buried with a plate									

*Indicates required field



Defect Listing Plot With Images

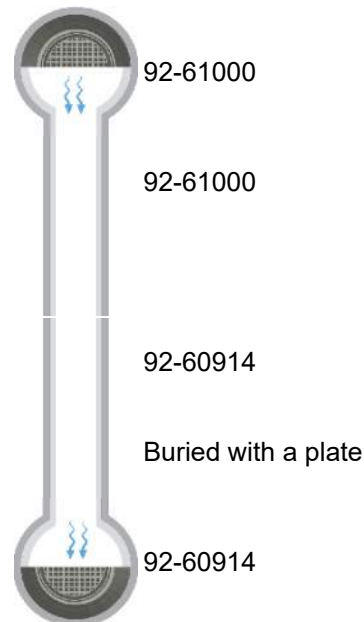
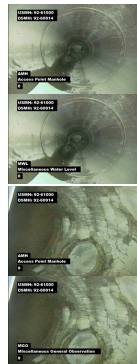
Pipe Segment Reference 95-61038	City* Ann Arbor	Street* N University	Material* Vitrified Clay Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 92-61000	Total Length 14.23	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 92-60914	Length surveyed 9	Year Renewed	Height* 15	Width*	Pipe Joint	
SPR 0	MPR 0	PO Number		Customer		
SPRI 0	MPRI 0	Work Order Number		Purpose		
QSR 0000	QMR 0000					
OPR 0	Surveyed By* JBell	Direction* Downstream	Date* 8/8/2023 8:28:15 AM		Media label	
OPRI 0	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/8/2023 8:30:29 AM		Weather	
Date Cleaned			End Time 8/8/2023 8:32:10 AM		Additional Info	

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

9 ft Access Point Manhole

9 ft Miscellaneous General Observation



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-61038	Ann Arbor	N University	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-61000	14.23		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60914	9		15		



Distance:	0 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-61000	



Distance:	0 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



Distance:	9 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-60914	



Distance:	9 ft	Grade:
Conditions:	Miscellaneous General Observation	
Remarks:	Buried with a plate	

*Indicates required field



Defect Listing

Pipe Segment Reference 95-60730	City* Ann Arbor	Street* N University	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-61295	Total Length	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60905	Length surveyed 8.3	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 0	MPR 0	PO Number		Customer	
SPRI 0	MPRI 0	Work Order Number		Purpose	
QSR 0000	QMR 0000				
OPR 0	Surveyed By* JBell	Direction* Downstream	Date* 8/7/2023 9:50:27 AM	Media label	
OPRI 0	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 9:50:38 AM	Weather	
Date Cleaned			End Time 8/7/2023 9:51:47 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
0	Access Points Catch Basin					<input type="checkbox"/>			
Remarks: 88-61295									
8.3	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60905									

*Indicates required field



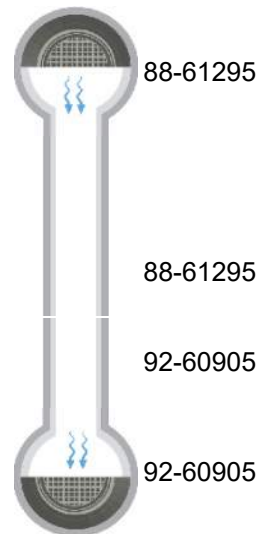
Defect Listing Plot With Images

Pipe Segment Reference 95-60730	City* Ann Arbor	Street* N University	Material* Vitrified Clay Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 88-61295	Total Length	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 92-60905	Length surveyed 8.3	Year Renewed	Height* 12	Width*	Pipe Joint	
SPR 0	MPR 0	PO Number		Customer		
SPRI 0	MPRI 0	Work Order Number		Purpose		
QSR 0000	QMR 0000					
OPR 0	Surveyed By* JBell	Direction* Downstream	Date* 8/7/2023 9:50:27 AM		Media label	
OPRI 0	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 9:50:38 AM		Weather	
Date Cleaned			End Time 8/7/2023 9:51:47 AM		Additional Info	

0 ft Miscellaneous Water Level

0 ft Access Points Catch Basin

8.3 ft Access Point Manhole



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60730	Ann Arbor	N University	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-61295			Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60905	8.3		12		



Distance:	0 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



0 ft	0 ft	Grade:
Conditions:	Access Points Catch Basin	
Remarks:	88-61295	



Distance:	8.3 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-60905	

*Indicates required field



Defect Listing

Pipe Segment Reference 95-60946	City* Ann Arbor	Street* N University	Material* Concrete Pipe (non-reinforced)	Location Code	Pipe Use Stormwater
Upstream MH* 92-60908	Total Length	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60907	Length surveyed 19.1	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 0	MPR 0	PO Number		Customer	
SPRI 0	MPRI 0	Work Order Number		Purpose	
QSR 0000	QMR 0000				
OPR 0	Surveyed By* JBell	Direction* Downstream	Date* 8/7/2023 10:09:02 AM		Media label
OPRI 0	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 10:09:13 AM		Weather
Date Cleaned			End Time 8/7/2023 10:10:04 AM		Additional Info

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60908									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
19.1	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60907									

*Indicates required field



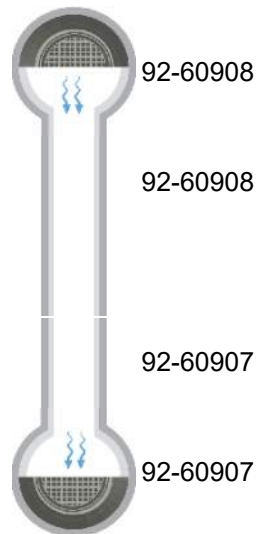
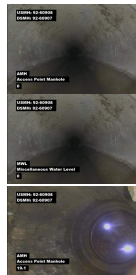
Defect Listing Plot With Images

Pipe Segment Reference 95-60946	City* Ann Arbor	Street* N University	Material* Concrete Pipe (non-reinforced)		Location Code	Pipe Use Stormwater
Upstream MH* 92-60908	Total Length	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 92-60907	Length surveyed 19.1	Year Renewed	Height* 12	Width*	Pipe Joint	
SPR 0	MPR 0	PO Number		Customer		
SPRI 0	MPRI 0	Work Order Number		Purpose		
QSR 0000	QMR 0000					
OPR 0	Surveyed By* JBell	Direction* Downstream	Date* 8/7/2023 10:09:02 AM		Media label	
OPRI 0	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 10:09:13 AM		Weather	
Date Cleaned			End Time 8/7/2023 10:10:04 AM		Additional Info	

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

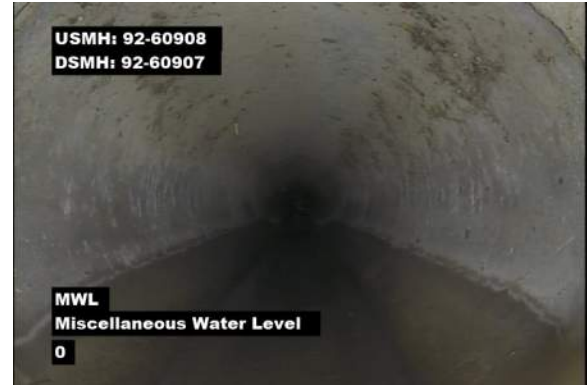
19.1 ft Access Point Manhole



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60946	Ann Arbor	N University	Concrete Pipe (non-reinforced)		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-60908			Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60907	19.1		12		



Distance:	0 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-60908	

0 ft	0 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



Distance:	19.1 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-60907	

*Indicates required field



Defect Listing

Pipe Segment Reference 95-60741	City* Ann Arbor	Street* N University	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-51279	Total Length	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60913	Length surveyed 39	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 0	MPR 4	PO Number		Customer	
SPRI 0	MPRI 4	Work Order Number		Purpose	
QSR 0000	QMR 4100				
OPR 4	Surveyed By* JBell	Direction* Downstream	Date* 8/7/2023 12:19:37 PM	Media label	
OPRI 4	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 12:19:50 PM	Weather	
Date Cleaned			End Time 8/7/2023 12:22:39 PM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Points Catch Basin					<input type="checkbox"/>			
Remarks: 88-51279									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
4.5	Miscellaneous Material Change					<input type="checkbox"/>			
Remarks: N12									
8.2	Line Right				45	<input type="checkbox"/>			4
9.6	Miscellaneous Material Change					<input type="checkbox"/>			
Remarks: VCP									
31.7	Tap Break-in/Hammer		4			<input type="checkbox"/>	11		
39	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60913									

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference 95-60741	City* Ann Arbor	Street* N University	Material* Vitrified Clay Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 88-51279	Total Length	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 92-60913	Length surveyed 39	Year Renewed	Height* 12	Width*	Pipe Joint	
SPR 0	MPR 4	PO Number		Customer		
SPRI 0	MPRI 4	Work Order Number		Purpose		
QSR 0000	QMR 4100					
OPR 4	Surveyed By* JBell	Direction* Downstream	Date* 8/7/2023 12:19:37 PM		Media label	
OPRI 4	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 12:19:50 PM		Weather	
Date Cleaned			End Time 8/7/2023 12:22:39 PM		Additional Info	

0 ft Access Points Catch Basin

0 ft Miscellaneous Water Level

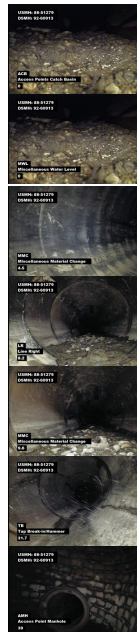
4.5 ft Miscellaneous Material Change

8.2 ft Line Right

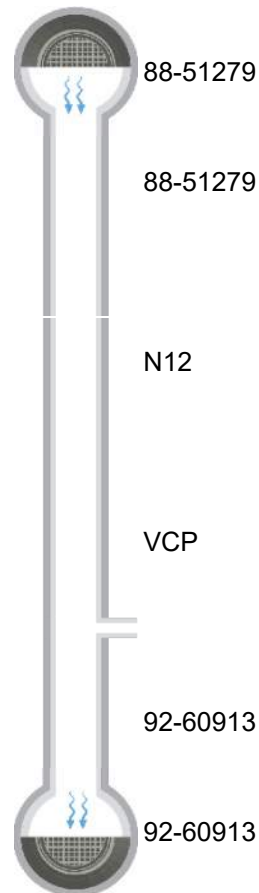
9.6 ft Miscellaneous Material Change

31.7 ft Tap Break-in/Hammer

39 ft Access Point Manhole



4



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60741	Ann Arbor	N University	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-51279			Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60913	39		12		



Distance:	0 ft	Grade:	
Conditions:	Access Points Catch Basin		
Remarks:	88-51279		



Distance:	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	4.5 ft	Grade:	
Conditions:	Miscellaneous Material Change		
Remarks:	N12		

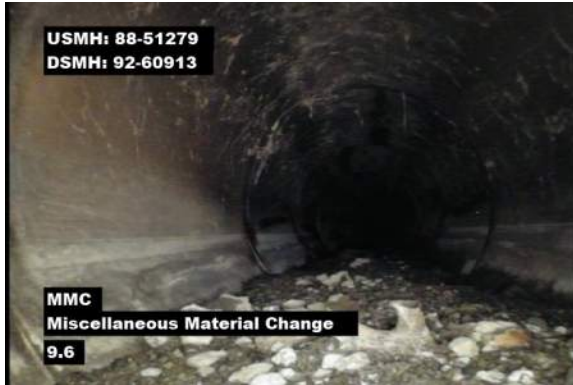


Distance:	8.2 ft	Grade:	4
Conditions:	Line Right		
Remarks:			

*Indicates required field

Image 4 Per Page

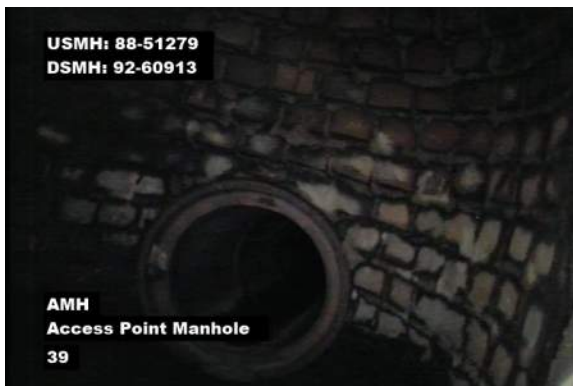
Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60741	Ann Arbor	N University	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-51279			Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60913	39		12		



Distance:	9.6 ft	Grade:
Conditions:	Miscellaneous Material Change	
Remarks:	VCP	



31.7 ft	31.7 ft	Grade:
Conditions:	Tap Break-in/Hammer	
Remarks:		



Distance:	39 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-60913	

*Indicates required field



Defect Listing

Pipe Segment Reference 95-60735	City* Ann Arbor	Street* N university ave	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-61317	Total Length	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60906	Length surveyed 17	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 5	MPR 0	PO Number		Customer	
SPRI 2.5	MPRI 0	Work Order Number		Purpose	
QSR 3121	QMR 0000				
OPR 5	Surveyed By* Steve Pierce	Direction* Upstream	Date* 8/30/2024 12:42:09 PM	Media label	
OPRI 2.5	Certificate Number* training	Pre-Cleaning No Pre-Cleaning	Time 8/30/2024 12:42:32 PM	Weather	
Date Cleaned			End Time 8/30/2024 12:44:06 PM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60906									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
12.9	Crack Longitudinal					<input type="checkbox"/>	12		2
17	Joint Offset Medium					<input type="checkbox"/>			3
17	Miscellaneous Survey Abandoned					<input type="checkbox"/>			
Remarks: bulkheaded off									

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference 95-60735	City* Ann Arbor	Street* N university ave	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-61317	Total Length	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60906	Length surveyed 17	Year Renewed	Height* 12	Width*	Pipe Joint
SPR 5	MPR 0	PO Number		Customer	
SPRI 2.5	MPRI 0	Work Order Number		Purpose	
QSR 3121	QMR 0000				
OPR 5	Surveyed By* Steve Pierce	Direction* Upstream	Date* 8/30/2024 12:42:09 PM	Media label	
OPRI 2.5	Certificate Number* training	Pre-Cleaning No Pre-Cleaning	Time 8/30/2024 12:42:32 PM	Weather	
Date Cleaned			End Time 8/30/2024 12:44:06 PM	Additional Info	

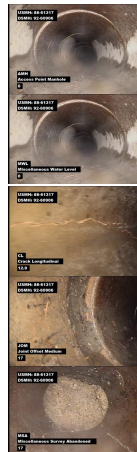
0 ft Access Point Manhole

0 ft Miscellaneous Water Level

12.9 ft Crack Longitudinal

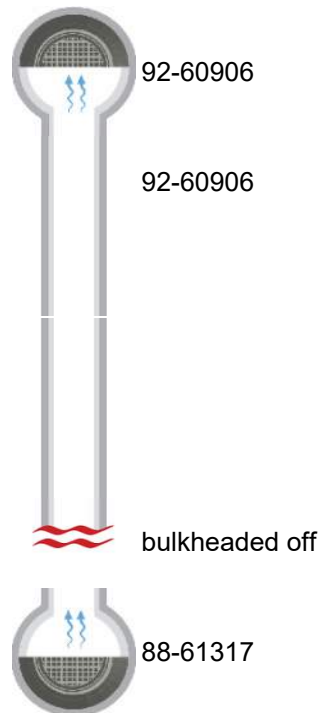
17 ft Joint Offset Medium

17 ft Miscellaneous Survey Abandoned



2

3



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60735	Ann Arbor	N university ave	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-61317			Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60906	17		12		



Distance:	0 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	92-60906		



0 ft	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	12.9 ft	Grade:	2
Conditions:	Crack Longitudinal		
Remarks:			



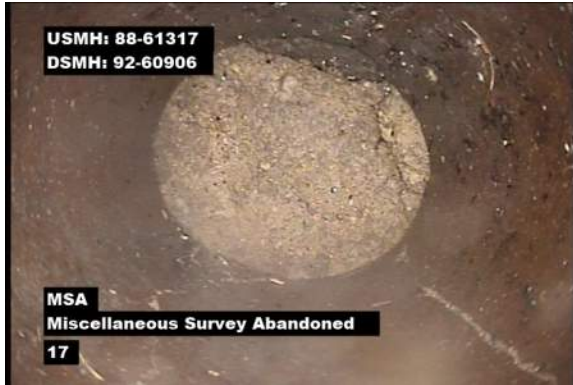
17 ft	17 ft	Grade:	3
Conditions:	Joint Offset Medium		
Remarks:			

*Indicates required field



Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60735	Ann Arbor	N university ave	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-61317			Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60906	17		12		



Distance:	17 ft	Grade:	
Conditions:	Miscellaneous Survey Abandoned		
Remarks:	bulkheaded off		

*Indicates required field



Defect Listing

Pipe Segment Reference 95-60896	City* Ann Arbor	Street* Fletcher Rd	Material* Concrete Pipe (non-reinforced)	Location Code	Pipe Use Combined Pipe
Upstream MH* 92-063389	Total Length 42	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60857	Length surveyed 37.9	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 2	MPR 0	PO Number		Customer	
SPRI 2	MPRI 0	Work Order Number		Purpose	
QSR 2100	QMR 0000				
OPR 2	Surveyed By* JBell	Direction* Upstream	Date* 8/7/2023 9:10:42 AM	Media label	
OPRI 2	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 9:14:35 AM	Weather	
Date Cleaned			End Time 8/7/2023 9:29:11 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60857									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
0.5	Crack Longitudinal					<input type="checkbox"/>	12		2
37.9	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-063389									

*Indicates required field



Defect Listing Plot With Images

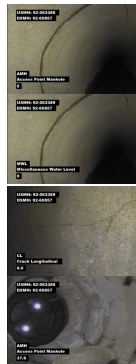
Pipe Segment Reference 95-60896		City* Ann Arbor	Street* Fletcher Rd	Material* Concrete Pipe (non-reinforced)		Location Code	Pipe Use Combined Pipe
Upstream MH* 92-063389		Total Length 42	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 92-60857		Length surveyed 37.9	Year Renewed	Height* 12	Width*	Pipe Joint	
SPR	2	MPR	0	PO Number		Customer	
SPRI	2	MPRI	0	Work Order Number		Purpose	
QSR	2100	QMR	0000				
OPR	2	Surveyed By* JBell	Direction* Upstream	Date* 8/7/2023 9:10:42 AM		Media label	
OPRI	2	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 8/7/2023 9:14:35 AM		Weather	
Date Cleaned				End Time 8/7/2023 9:29:11 AM		Additional Info	

0 ft Access Point Manhole

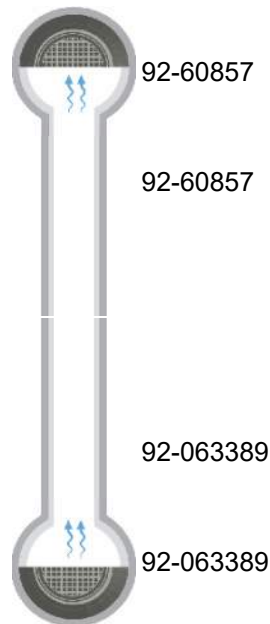
0 ft Miscellaneous Water Level

0.5 ft Crack Longitudinal

37.9 ft Access Point Manhole



2



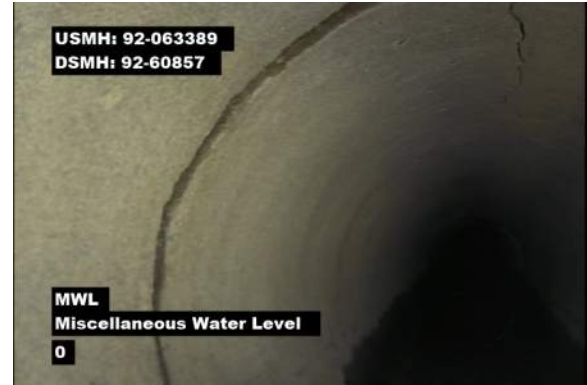
*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60896	Ann Arbor	Fletcher Rd	Concrete Pipe (non-reinforced)		Combined Pipe
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-063389	42		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60857	37.9		12		



Distance:	0 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	92-60857		



0 ft	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	0.5 ft	Grade:	2
Conditions:	Crack Longitudinal		
Remarks:			



37.9 ft	37.9 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	92-063389		

*Indicates required field



Defect Listing

Pipe Segment Reference 95-60671	City* AA	Street* S Thayer st	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-61289	Total Length 19	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60826	Length surveyed 15.9	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 0	MPR 0	PO Number		Customer	
SPRI 0	MPRI 0	Work Order Number		Purpose	
QSR 0000	QMR 0000				
OPR 0	Surveyed By* Steve Pierce	Direction* Upstream	Date* 12/17/2025 9:30:56 AM	Media label	
OPRI 0	Certificate Number* p0051117-112024	Pre-Cleaning No Pre-Cleaning	Time 12/17/2025 9:32:44 AM	Weather	
Date Cleaned			End Time 12/17/2025 9:43:53 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60826									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
7.9	Miscellaneous General					<input type="checkbox"/>			
Remarks: old pipe repair									
13.3	Miscellaneous General					<input type="checkbox"/>			
Remarks: old peep sight									
15.9	Access Points Catch Basin					<input type="checkbox"/>			
Remarks: 88-61289									

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference 95-60671	City* AA	Street* S Thayer st	Material* Vitrified Clay Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 88-61289	Total Length 19	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 92-60826	Length surveyed 15.9	Year Renewed	Height* 12	Width*	Pipe Joint	
SPR 0	MPR 0	PO Number		Customer		
SPRI 0	MPRI 0	Work Order Number		Purpose		
QSR 0000	QMR 0000					
OPR 0	Surveyed By* Steve Pierce	Direction* Upstream	Date* 12/17/2025 9:30:56 AM		Media label	
OPRI 0	Certificate Number* p0051117-112024	Pre-Cleaning No Pre-Cleaning	Time 12/17/2025 9:32:44 AM		Weather	
Date Cleaned			End Time 12/17/2025 9:43:53 AM		Additional Info	

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

7.9 ft Miscellaneous General Observation

13.3 ft Miscellaneous General Observation

15.9 ft Access Points Catch Basin



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60671	AA	S Thayer st	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-61289	19		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60826	15.9		12		



Distance:	0 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-60826	



0 ft	0 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



Distance:	7.9 ft	Grade:
Conditions:	Miscellaneous General Observation	
Remarks:	old pipe repair	



13.3 ft	13.3 ft	Grade:
Conditions:	Miscellaneous General Observation	
Remarks:	old peep sight	

*Indicates required field



Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60671	AA	S Thayer st	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-61289	19		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60826	15.9		12		



Distance:	15.9 ft	Grade:
Conditions:	Access Points Catch Basin	
Remarks:	88-61289	

*Indicates required field



Defect Listing

Pipe Segment Reference 95-64150	City* AA	Street* S Thayer st ally	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 92-62640	Total Length 140.4	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60968	Length surveyed 135.6	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 0	MPR 0	PO Number		Customer	
SPRI 0	MPRI 0	Work Order Number		Purpose	
QSR 0000	QMR 0000				
OPR 0	Surveyed By* Steve Pierce	Direction* Upstream	Date* 12/18/2025 8:46:35 AM	Media label	
OPRI 0	Certificate Number* p0051117-112024	Pre-Cleaning Heavy Cleaning	Time 12/18/2025 8:48:26 AM	Weather	
Date Cleaned			End Time 12/18/2025 8:55:40 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			

Remarks: 92-60968

0	Miscellaneous Water Level				5	<input type="checkbox"/>			
40.3	Tap Factory Activity		4			<input type="checkbox"/>	2		
52.1	Tap Break-in/Hammer		4			<input type="checkbox"/>	12		
71.1	Tap Factory Activity		4			<input type="checkbox"/>	2		
97.6	Tap Factory Made		4			<input type="checkbox"/>	10		
122.6	Tap Factory Made		4			<input type="checkbox"/>	2		
131.8	Tap Break-in Activity		4			<input type="checkbox"/>	1		
135.6	Miscellaneous General					<input type="checkbox"/>			

Remarks: maybe a tap

135.6	Access Point End of Pipe					<input type="checkbox"/>			
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Remarks: 92-62640

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference 95-64150	City* AA	Street* S Thayer st ally	Material* Vitrified Clay Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 92-62640	Total Length 140.4	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 92-60968	Length surveyed 135.6	Year Renewed	Height* 12	Width*	Pipe Joint	
SPR 0	MPR 0	PO Number		Customer		
SPRI 0	MPRI 0	Work Order Number		Purpose		
QSR 0000	QMR 0000					
OPR 0	Surveyed By* Steve Pierce	Direction* Upstream	Date* 12/18/2025 8:46:35 AM		Media label	
OPRI 0	Certificate Number* p0051117-112024	Pre-Cleaning Heavy Cleaning	Time 12/18/2025 8:48:26 AM		Weather	
Date Cleaned			End Time 12/18/2025 8:55:40 AM		Additional Info	

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

40.3 ft Tap Factory Activity

52.1 ft Tap Break-in/Hammer

71.1 ft Tap Factory Activity

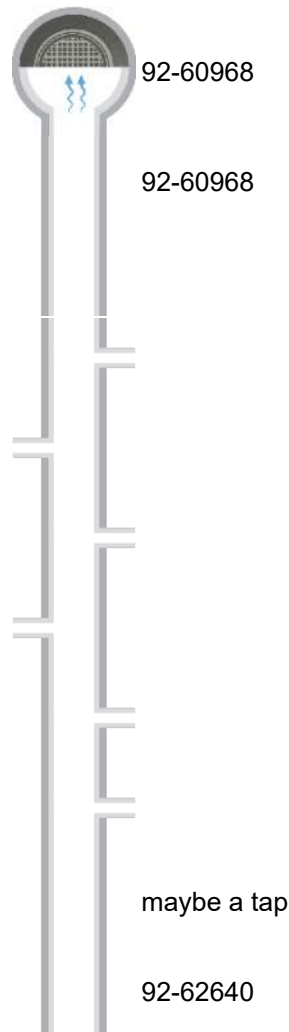
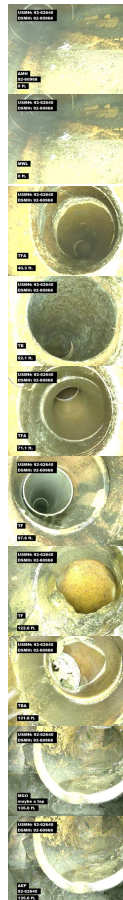
97.6 ft Tap Factory Made

122.6 ft Tap Factory Made

131.8 ft Tap Break-in Activity

135.6 ft Miscellaneous General Observation

135.6 ft Access Point End of Pipe



*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-64150	AA	S Thayer st ally	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-62640	140.4		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60968	135.6		12		



92-62640

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-64150	AA	S Thayer st ally	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-62640	140.4		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60968	135.6		12		



Distance:	0 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-60968	



0 ft	0 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



Distance:	40.3 ft	Grade:
Conditions:	Tap Factory Activity	
Remarks:		



52.1 ft	52.1 ft	Grade:
Conditions:	Tap Break-in/Hammer	
Remarks:		

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-64150	AA	S Thayer st ally	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-62640	140.4		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60968	135.6		12		



Distance: 71.1 ft Grade:

Conditions: Tap Factory Activity

Remarks:



97.6 ft 97.6 ft Grade:

Conditions: Tap Factory Made

Remarks:



Distance: 122.6 ft Grade:

Conditions: Tap Factory Made

Remarks:



131.8 ft 131.8 ft Grade:

Conditions: Tap Break-in Activity

Remarks:

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-64150	AA	S Thayer st ally	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-62640	140.4		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60968	135.6		12		



Distance:	135.6 ft	Grade:
Conditions:	Miscellaneous General Observation	
Remarks:	maybe a tap	



135.6 ft	135.6 ft	Grade:
Conditions:	Access Point End of Pipe	
Remarks:	92-62640	

*Indicates required field



Defect Listing

Pipe Segment Reference 95-60862	City* AA	Street* S Thayer st and E Washington	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 97-50876	Total Length 109.6	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60823	Length surveyed 56.7	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 10	MPR 0	PO Number		Customer	
SPRI 5	MPRI 0	Work Order Number		Purpose	
QSR 5200	QMR 0000				
OPR 10	Surveyed By* Steve Pierce	Direction* Upstream	Date* 12/16/2025 1:42:31 PM	Media label	
OPRI 5	Certificate Number* p0051117-112024	Pre-Cleaning Heavy Cleaning	Time 12/16/2025 1:42:53 PM	Weather	
Date Cleaned			End Time 12/16/2025 1:48:24 PM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60823									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
32.2	Broken Pipe Void Visible					<input type="checkbox"/>	8	4	5
56.3	Miscellaneous Survey Abandoned					<input type="checkbox"/>			
Remarks: unable tto get past debris									
56.7	Broken Pipe Void Visible					<input type="checkbox"/>	8	4	5

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference 95-60862	City* AA	Street* S Thayer st and E Washington	Material* Vitrified Clay Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 97-50876	Total Length 109.6	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 92-60823	Length surveyed 56.7	Year Renewed	Height* 12	Width*	Pipe Joint	
SPR 10	MPR 0	PO Number		Customer		
SPRI 5	MPRI 0	Work Order Number		Purpose		
QSR 5200	QMR 0000					
OPR 10	Surveyed By* Steve Pierce	Direction* Upstream	Date* 12/16/2025 1:42:31 PM		Media label	
OPRI 5	Certificate Number* p0051117-112024	Pre-Cleaning Heavy Cleaning	Time 12/16/2025 1:42:53 PM		Weather	
Date Cleaned			End Time 12/16/2025 1:48:24 PM		Additional Info	

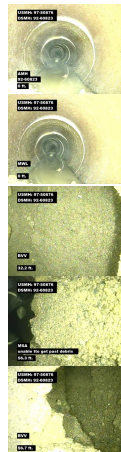
0 ft Access Point Manhole

0 ft Miscellaneous Water Level

32.2 ft Broken Pipe Void Visible

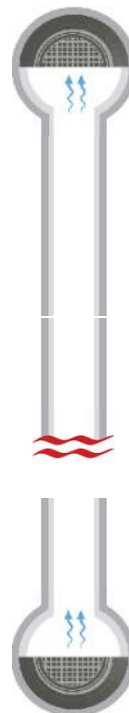
56.3 ft Miscellaneous Survey Abandoned

56.7 ft Broken Pipe Void Visible



5

5



92-60823

92-60823

unable to get past debris

97-50876

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60862	AA	S Thayer st and E Washington	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
97-50876	109.6		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60823	56.7		12		



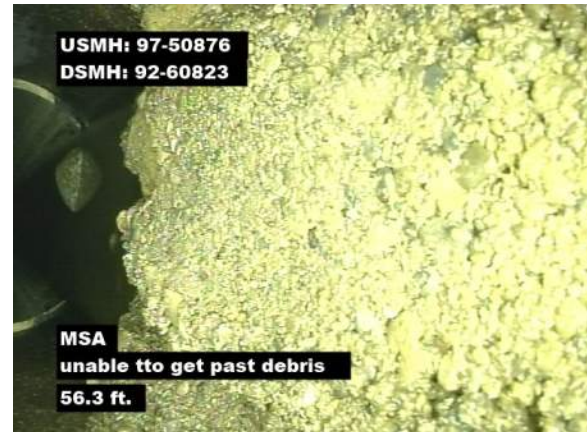
Distance:	0 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	92-60823		



0 ft	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	32.2 ft	Grade:	5
Conditions:	Broken Pipe Void Visible		
Remarks:			



56.3 ft	56.3 ft	Grade:	
Conditions:	Miscellaneous Survey Abandoned		
Remarks:	unable tto get past debris		

*Indicates required field



Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60862	AA	S Thayer st and E Washington	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
97-50876	109.6		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60823	56.7		12		



Distance: 56.7 ft Grade: 5
Conditions: Broken Pipe Void Visible
Remarks:

*Indicates required field



Defect Listing

Pipe Segment Reference 95-60668	City* AA	Street* S Thayer st	Material* Reinforced Concrete Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-51240	Total Length 19.3	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60825	Length surveyed 15	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 6	MPR 0	PO Number		Customer	
SPRI 3	MPRI 0	Work Order Number		Purpose	
QSR 4121	QMR 0000				
OPR 6	Surveyed By* Steve Pierce	Direction* Upstream	Date* 12/15/2025 5:56:42 AM	Media label	
OPRI 3	Certificate Number* p0051117-112024	Pre-Cleaning No Pre-Cleaning	Time 12/15/2025 5:56:53 AM	Weather	
Date Cleaned			End Time 12/15/2025 5:58:53 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60825									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
4.8	Miscellaneous Material Change					<input type="checkbox"/>			
Remarks: concrete to clay									
4.8	Joint Offset Large					<input type="checkbox"/>			4
7.4	Crack Longitudinal					<input type="checkbox"/>	12		2
15	Access Points Catch Basin					<input type="checkbox"/>			
Remarks: 88-51240									

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference 95-60668	City* AA	Street* S Thayer st	Material* Reinforced Concrete Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 88-51240	Total Length 19.3	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 92-60825	Length surveyed 15	Year Renewed	Height* 12	Width*	Pipe Joint	
SPR 6	MPR 0	PO Number		Customer		
SPRI 3	MPRI 0	Work Order Number		Purpose		
QSR 4121	QMR 0000					
OPR 6	Surveyed By* Steve Pierce	Direction* Upstream	Date* 12/15/2025 5:56:42 AM		Media label	
OPRI 3	Certificate Number* p0051117-112024	Pre-Cleaning No Pre-Cleaning	Time 12/15/2025 5:56:53 AM		Weather	
Date Cleaned			End Time 12/15/2025 5:58:53 AM		Additional Info	

0 ft Access Point Manhole

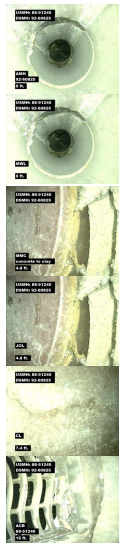
0 ft Miscellaneous Water Level

4.8 ft Miscellaneous Material Change

4.8 ft Joint Offset Large

7.4 ft Crack Longitudinal

15 ft Access Points Catch Basin



4

2



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60668	AA	S Thayer st	Reinforced Concrete Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-51240	19.3		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60825	15		12		



Distance:	0 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	92-60825		



0 ft	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	4.8 ft	Grade:	
Conditions:	Miscellaneous Material Change		
Remarks:	concrete to clay		

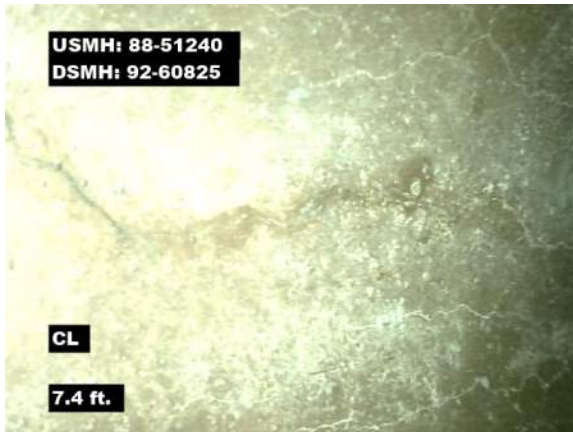


4.8 ft	4.8 ft	Grade:	4
Conditions:	Joint Offset Large		
Remarks:			

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60668	AA	S Thayer st	Reinforced Concrete Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-51240	19.3		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60825	15		12		



Distance:	7.4 ft	Grade:	2
Conditions:	Crack Longitudinal		
Remarks:			



15 ft	15 ft	Grade:	
Conditions:	Access Points Catch Basin		
Remarks:	88-51240		

*Indicates required field



Defect Listing

Pipe Segment Reference 95-60669	City* AA	Street* S Thayer st	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-51241	Total Length 15.6	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60825	Length surveyed 14.2	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 4	MPR 2	PO Number		Customer	
SPRI 4	MPRI 1	Work Order Number		Purpose	
QSR 4100	QMR 1200				
OPR 6	Surveyed By* Steve Pierce	Direction* Upstream	Date* 12/15/2025 6:01:33 AM		Media label
OPRI 2	Certificate Number* p0051117-112024	Pre-Cleaning No Pre-Cleaning	Time 12/15/2025 6:03:49 AM		Weather
Date Cleaned			End Time 12/15/2025 6:05:14 AM		Additional Info

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60825									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
4	Line Left				5	<input type="checkbox"/>			1
5	Line Up				5	<input type="checkbox"/>			1
12.5	Broken Pipe					<input type="checkbox"/>	12	12	4
14.2	Access Points Catch Basin					<input type="checkbox"/>			

Remarks: 88-51241

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference 95-60669	City* AA	Street* S Thayer st	Material* Vitrified Clay Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 88-51241	Total Length 15.6	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 92-60825	Length surveyed 14.2	Year Renewed	Height* 12	Width*	Pipe Joint	
SPR 4	MPR 2	PO Number		Customer		
SPRI 4	MPRI 1	Work Order Number		Purpose		
QSR 4100	QMR 1200					
OPR 6	Surveyed By* Steve Pierce	Direction* Upstream	Date* 12/15/2025 6:01:33 AM		Media label	
OPRI 2	Certificate Number* p0051117-112024	Pre-Cleaning No Pre-Cleaning	Time 12/15/2025 6:03:49 AM		Weather	
Date Cleaned			End Time 12/15/2025 6:05:14 AM		Additional Info	

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

4 ft Line Left

5 ft Line Up

12.5 ft Broken Pipe

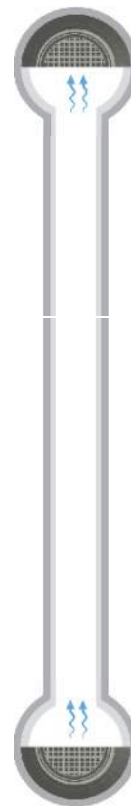
14.2 ft Access Points Catch Basin



1

1

4



92-60825

92-60825

88-51241

88-51241

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60669	AA	S Thayer st	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-51241	15.6		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60825	14.2		12		



Distance:	0 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	92-60825		



0 ft	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	4 ft	Grade:	1
Conditions:	Line Left		
Remarks:			



5 ft	5 ft	Grade:	1
Conditions:	Line Up		
Remarks:			

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60669	AA	S Thayer st	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-51241	15.6		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60825	14.2		12		



Distance: 12.5 ft Grade: 4
Conditions: Broken Pipe
Remarks:



14.2 ft 14.2 ft Grade:
Conditions: Access Points Catch Basin
Remarks: 88-51241

*Indicates required field



Defect Listing

Pipe Segment Reference 95-60864	City* AA	Street* S Thayer st	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 92-60826	Total Length 31.3	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60996	Length surveyed 25.8	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 10	MPR 0	PO Number		Customer	
SPRI 2	MPRI 0	Work Order Number		Purpose	
QSR 2500	QMR 0000				
OPR 10	Surveyed By* Steve Pierce	Direction* Upstream	Date* 12/15/2025 4:46:31 AM	Media label	
OPRI 2	Certificate Number* p0051117-112024	Pre-Cleaning No Pre-Cleaning	Time 12/15/2025 4:46:40 AM	Weather	
Date Cleaned			End Time 12/15/2025 4:48:20 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60996									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
0.3	Crack Longitudinal	S01				<input type="checkbox"/>	12		2
23.6	Crack Longitudinal	F01				<input type="checkbox"/>	12		2
25.8	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60826									

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference 95-60864	City* AA	Street* S Thayer st	Material* Vitrified Clay Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 92-60826	Total Length 31.3	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 92-60996	Length surveyed 25.8	Year Renewed	Height* 12	Width*	Pipe Joint	
SPR 10	MPR 0	PO Number		Customer		
SPRI 2	MPRI 0	Work Order Number		Purpose		
QSR 2500	QMR 0000					
OPR 10	Surveyed By* Steve Pierce	Direction* Upstream	Date* 12/15/2025 4:46:31 AM		Media label	
OPRI 2	Certificate Number* p0051117-112024	Pre-Cleaning No Pre-Cleaning	Time 12/15/2025 4:46:40 AM		Weather	
Date Cleaned			End Time 12/15/2025 4:48:20 AM		Additional Info	

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

0.3 ft Crack Longitudinal

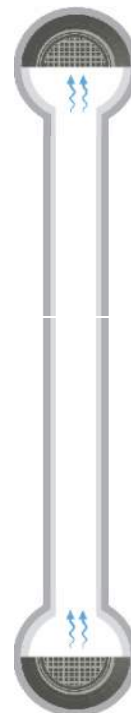
23.6 ft Crack Longitudinal

25.8 ft Access Point Manhole



2

2



92-60996

92-60996

92-60826

92-60826

*Indicates required field

Image 4 Per Page

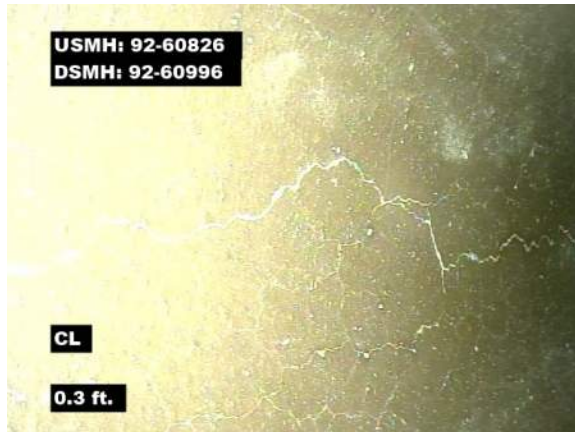
Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60864	AA	S Thayer st	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-60826	31.3		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60996	25.8		12		



Distance:	0 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	92-60996		



0 ft	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	0.3 ft	Grade:	2
Conditions:	Crack Longitudinal		
Remarks:			



23.6 ft	23.6 ft	Grade:	2
Conditions:	Crack Longitudinal		
Remarks:			

*Indicates required field



Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60864	AA	S Thayer st	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-60826	31.3		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60996	25.8		12		



Distance:	25.8 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-60826	

*Indicates required field



Defect Listing

Pipe Segment Reference 95-61034	City* AA	Street* S Thayer st	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 92-60996	Total Length 116.8	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60825	Length surveyed 112.8	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 28	MPR 0	PO Number		Customer	
SPRI 2	MPRI 0	Work Order Number		Purpose	
QSR 2A00	QMR 0000				
OPR 28	Surveyed By* Steve Pierce	Direction* Downstream	Date* 12/15/2025 4:50:22 AM	Media label	
OPRI 2	Certificate Number* p0051117-112024	Pre-Cleaning No Pre-Cleaning	Time 12/15/2025 4:53:32 AM	Weather	
Date Cleaned			End Time 12/15/2025 4:57:56 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60996									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
1.1	Crack Longitudinal	S01				<input type="checkbox"/>	12		2
14.4	Surface Damage Surface Spalling					<input type="checkbox"/>	2		2
64.1	Crack Longitudinal	F01				<input type="checkbox"/>	12		2
112.8	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60825									

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference 95-61034		City* AA	Street* S Thayer st	Material* Vitrified Clay Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 92-60996		Total Length 116.8	Year Constructed		Shape* Circular	Location Details	
Downstream MH* 92-60825		Length surveyed 112.8	Year Renewed		Height* 12	Width*	Pipe Joint
SPR	28	MPR	0	PO Number		Customer	
SPRI	2	MPRI	0	Work Order Number		Purpose	
QSR	2A00	QMR	0000				
OPR 28		Surveyed By* Steve Pierce	Direction* Downstream	Date* 12/15/2025 4:50:22 AM		Media label	
OPRI 2		Certificate Number* p0051117-112024	Pre-Cleaning No Pre-Cleaning	Time 12/15/2025 4:53:32 AM		Weather	
Date Cleaned				End Time 12/15/2025 4:57:56 AM		Additional Info	

0 ft Access Point Manhole

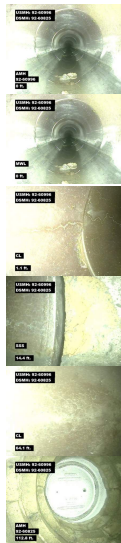
0 ft Miscellaneous Water Level

1.1 ft Crack Longitudinal

14.4 ft Surface Damage Surface Spalling

64.1 ft Crack Longitudinal

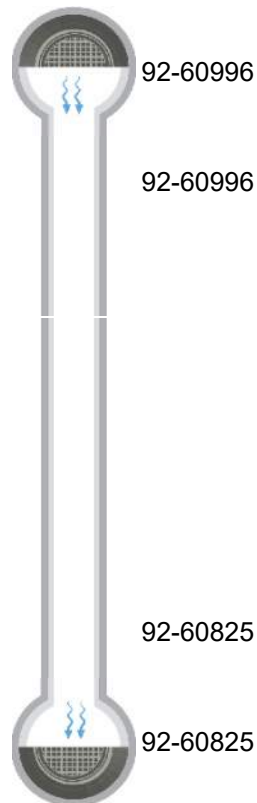
112.8 ft Access Point Manhole



2

2

2



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-61034	AA	S Thayer st	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-60996	116.8		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60825	112.8		12		



Distance:	0 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	92-60996		



0 ft	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	1.1 ft	Grade:	2
Conditions:	Crack Longitudinal		
Remarks:			



14.4 ft	14.4 ft	Grade:	2
Conditions:	Surface Damage Surface Spalling		
Remarks:			

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-61034	AA	S Thayer st	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-60996	116.8		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60825	112.8		12		



Distance:	64.1 ft	Grade:	2
Conditions:	Crack Longitudinal		
Remarks:			



112.8 ft	112.8 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	92-60825		

*Indicates required field



Defect Listing

Pipe Segment Reference 95-60863	City* AA	Street* S Thayer st	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 92-60825	Total Length 0	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 97-50876	Length surveyed 88.2	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 6	MPR 4	PO Number		Customer	
SPRI 2	MPRI 4	Work Order Number		Purpose	
QSR 2300	QMR 4100				
OPR 10	Surveyed By* Steve Pierce	Direction* Upstream	Date* 12/15/2025 6:11:00 AM	Media label	
OPRI 2.5	Certificate Number* p0051117-112024	Pre-Cleaning Heavy Cleaning	Time 12/15/2025 6:18:00 AM	Weather	
Date Cleaned			End Time 12/15/2025 6:22:00 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 97-50876									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
53.4	Crack Longitudinal	S01				<input type="checkbox"/>	12		2
60.6	Miscellaneous Material Change					<input type="checkbox"/>			
Remarks: clay to plastic									
61.7	Crack Longitudinal	F01				<input type="checkbox"/>	12		2
80.3	Miscellaneous Material Change					<input type="checkbox"/>			
Remarks: back to clay									
83.4	Crack Longitudinal	S02				<input type="checkbox"/>	12		2
85.9	Roots Medium Barrel	S03			15	<input type="checkbox"/>	4		4
86.7	Crack Longitudinal	F02				<input type="checkbox"/>	12		2
88.2	Miscellaneous Survey Abandoned					<input type="checkbox"/>			
Remarks: unable to get past thick roots									

*Indicates required field

Defect Listing Plot With Images

Pipe Segment Reference 95-60863	City* AA	Street* S Thayer st	Material* Vitrified Clay Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 92-60825	Total Length 0	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 97-50876	Length surveyed 88.2	Year Renewed	Height* 12	Width*	Pipe Joint	
SPR 6	MPR 4	PO Number		Customer		
SPRI 2	MPRI 4	Work Order Number		Purpose		
QSR 2300	QMR 4100					
OPR 10	Surveyed By* Steve Pierce	Direction* Upstream	Date* 12/15/2025 6:11:00 AM		Media label	
OPRI 2.5	Certificate Number* p0051117-112024	Pre-Cleaning Heavy Cleaning	Time 12/15/2025 6:18:00 AM		Weather	
Date Cleaned			End Time 12/15/2025 6:22:00 AM		Additional Info	

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

53.4 ft Crack Longitudinal

60.6 ft Miscellaneous Material Change

61.7 ft Crack Longitudinal

80.3 ft Miscellaneous Material Change

83.4 ft Crack Longitudinal

85.9 ft Roots Medium Barrel

86.7 ft Crack Longitudinal

88.2 ft Miscellaneous Survey Abandoned



2

2

2

4

2



97-50876

97-50876

clay to plastic

back to clay

unable to get past thick roots

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60863	AA	S Thayer st	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-60825	0		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
97-50876	88.2		12		



92-60825

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60863	AA	S Thayer st	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-60825	0		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
97-50876	88.2		12		



Distance:	0 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	97-50876		



Distance:	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	53.4 ft	Grade:	2
Conditions:	Crack Longitudinal		
Remarks:			



Distance:	60.6 ft	Grade:	
Conditions:	Miscellaneous Material Change		
Remarks:	clay to plastic		

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60863	AA	S Thayer st	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-60825	0		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
97-50876	88.2		12		



Distance:	61.7 ft	Grade:	2
Conditions:	Crack Longitudinal		
Remarks:			



80.3 ft	80.3 ft	Grade:	
Conditions:	Miscellaneous Material Change		
Remarks:	back to clay		



Distance:	83.4 ft	Grade:	2
Conditions:	Crack Longitudinal		
Remarks:			



85.9 ft	85.9 ft	Grade:	4
Conditions:	Roots Medium Barrel		
Remarks:			

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60863	AA	S Thayer st	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-60825	0		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
97-50876	88.2		12		



Distance:	86.7 ft	Grade:	2
Conditions:	Crack Longitudinal		
Remarks:			



88.2 ft	88.2 ft	Grade:	
Conditions:	Miscellaneous Survey Abandoned		
Remarks:	unable to get past thick roots		

*Indicates required field



Defect Listing

Pipe Segment Reference 95-64145	City* AA	Street* S Thayer st	Material* Reinforced Concrete Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-61327	Total Length 95	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 88-61289	Length surveyed 91.9	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 39	MPR 0	PO Number		Customer	
SPRI 2.4	MPRI 0	Work Order Number		Purpose	
QSR 4233	QMR 0000				
OPR 39	Surveyed By* Steve Pierce	Direction* Downstream	Date* 12/17/2025 8:36:35 AM	Media label	
OPRI 2.4	Certificate Number* p0051117-112024	Pre-Cleaning Heavy Cleaning	Time 12/17/2025 8:36:49 AM	Weather	
Date Cleaned			End Time 12/17/2025 8:41:25 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Points Catch Basin					<input type="checkbox"/>			
Remarks: 88-61327									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
3.4	Crack Longitudinal	S01				<input type="checkbox"/>	12		2
33.7	Broken Pipe					<input type="checkbox"/>	10	2	4
35.3	Tap Break-in/Hammer		4			<input type="checkbox"/>	10		
40	Crack Multiple					<input type="checkbox"/>	2	6	3
43	Broken Pipe					<input type="checkbox"/>	7	11	4
49.2	Crack Multiple					<input type="checkbox"/>	10	1	3
55.6	Crack Longitudinal	F01				<input type="checkbox"/>	12		2
65.1	Tap Break-in/Hammer		4			<input type="checkbox"/>	10		
67.5	Crack Multiple					<input type="checkbox"/>	4	9	3
88.6	Crack Longitudinal					<input type="checkbox"/>	12		2
91.9	Access Points Catch Basin					<input type="checkbox"/>			

Remarks: 88-61289

*Indicates required field

Defect Listing Plot With Images

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-64145	AA	S Thayer st	Reinforced Concrete Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-61327	95		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
88-61289	91.9		12		

SPR	MPR	PO Number		Customer	
39	0				
SPRI	MPRI	Work Order Number		Purpose	
2.4	0				
QSR	QMR				
4233	0000				
OPR	Surveyed By*	Direction*	Date*	Media label	
39	Steve Pierce	Downstream	12/17/2025 8:36:35 AM		
OPRI	Certificate Number*	Pre-Cleaning	Time	Weather	
2.4	p0051117-112024	Heavy Cleaning	12/17/2025 8:36:49 AM		
Date Cleaned			End Time	Additional Info	
			12/17/2025 8:41:25 AM		

0 ft Access Points Catch Basin

0 ft Miscellaneous Water Level

3.4 ft Crack Longitudinal

33.7 ft Broken Pipe

35.3 ft Tap Break-in/Hammer

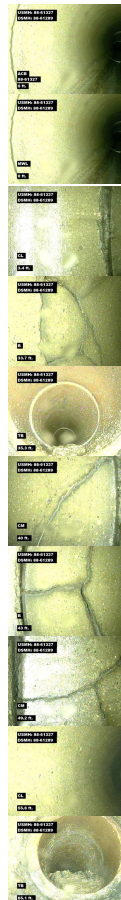
40 ft Crack Multiple

43 ft Broken Pipe

49.2 ft Crack Multiple

55.6 ft Crack Longitudinal

65.1 ft Tap Break-in/Hammer



2

4

3

4

3

2



88-61327

88-61327

*Indicates required field

Defect Listing Plot With Images

Pipe Segment Reference	City*	Street*	Material*		Location Code	Pipe Use
95-64145	AA	S Thayer st	Reinforced Concrete Pipe			Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*		Location Details	
88-61327	95		Circular			
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint	
88-61289	91.9		12			

67.5 ft Crack Multiple

88.6 ft Crack Longitudinal

91.9 ft Access Points Catch Basin



3

2



88-61289

88-61289

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-64145	AA	S Thayer st	Reinforced Concrete Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-61327	95		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
88-61289	91.9		12		



Distance:	0 ft	Grade:	
Conditions:	Access Points Catch Basin		
Remarks:	88-61327		



0 ft	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	3.4 ft	Grade:	2
Conditions:	Crack Longitudinal		
Remarks:			

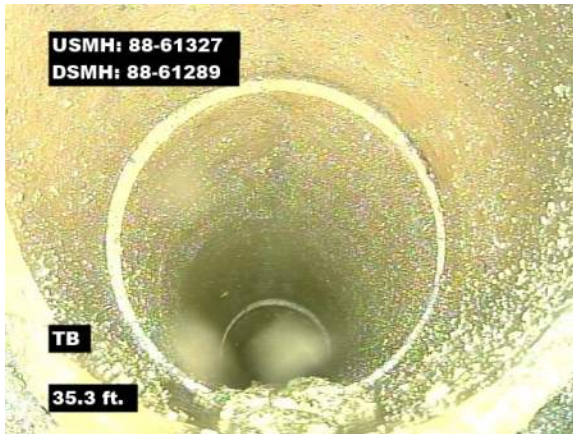


33.7 ft	33.7 ft	Grade:	4
Conditions:	Broken Pipe		
Remarks:			

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-64145	AA	S Thayer st	Reinforced Concrete Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-61327	95		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
88-61289	91.9		12		



Distance: 35.3 ft Grade:

Conditions: Tap Break-in/Hammer

Remarks:



40 ft 40 ft Grade: 3

Conditions: Crack Multiple

Remarks:



Distance: 43 ft Grade: 4

Conditions: Broken Pipe

Remarks:



49.2 ft 49.2 ft Grade: 3

Conditions: Crack Multiple

Remarks:

*Indicates required field

Image 4 Per Page

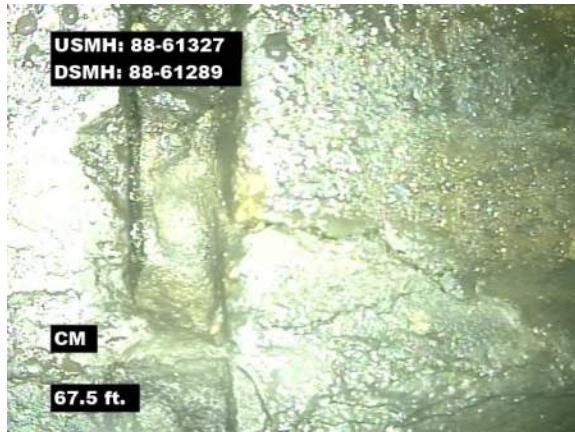
Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-64145	AA	S Thayer st	Reinforced Concrete Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-61327	95		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
88-61289	91.9		12		



Distance: 55.6 ft Grade: 2
Conditions: Crack Longitudinal
Remarks:



65.1 ft 65.1 ft Grade:
Conditions: Tap Break-in/Hammer
Remarks:



Distance: 67.5 ft Grade: 3
Conditions: Crack Multiple
Remarks:



88.6 ft 88.6 ft Grade: 2
Conditions: Crack Longitudinal
Remarks:

*Indicates required field



Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-64145	AA	S Thayer st	Reinforced Concrete Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-61327	95		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
88-61289	91.9		12		



Distance:	91.9 ft	Grade:
Conditions:	Access Points Catch Basin	
Remarks:	88-61289	

*Indicates required field



Defect Listing

Pipe Segment Reference 95-61007	City* AA	Street* S thayer st	Material* Reinforced Concrete Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 92-60969	Total Length 63.7	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60968	Length surveyed 60	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 0	MPR 0	PO Number		Customer	
SPRI 0	MPRI 0	Work Order Number		Purpose	
QSR 0000	QMR 0000				
OPR 0	Surveyed By* Steve Pierce	Direction* Upstream	Date* 12/17/2025 7:18:06 AM	Media label	
OPRI 0	Certificate Number* p0051117-112024	Pre-Cleaning No Pre-Cleaning	Time 12/17/2025 7:18:35 AM	Weather	
Date Cleaned			End Time 12/17/2025 7:21:36 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60968									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
60	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60969									

*Indicates required field



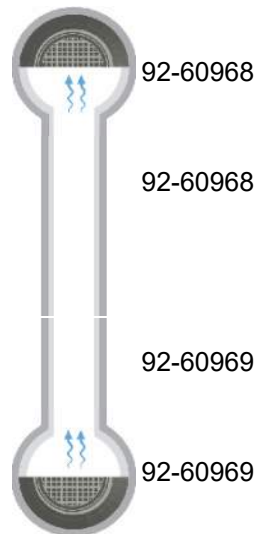
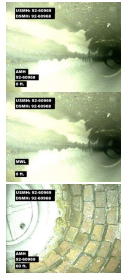
Defect Listing Plot With Images

Pipe Segment Reference 95-61007	City* AA	Street* S thayer st	Material* Reinforced Concrete Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 92-60969	Total Length 63.7	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 92-60968	Length surveyed 60	Year Renewed	Height* 12	Width*	Pipe Joint	
SPR 0	MPR 0	PO Number		Customer		
SPRI 0	MPRI 0	Work Order Number		Purpose		
QSR 0000	QMR 0000					
OPR 0	Surveyed By* Steve Pierce	Direction* Upstream	Date* 12/17/2025 7:18:06 AM		Media label	
OPRI 0	Certificate Number* p0051117-112024	Pre-Cleaning No Pre-Cleaning	Time 12/17/2025 7:18:35 AM		Weather	
Date Cleaned			End Time 12/17/2025 7:21:36 AM		Additional Info	

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

60 ft Access Point Manhole



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-61007	AA	S thayer st	Reinforced Concrete Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-60969	63.7		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60968	60		12		



Distance:	0 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-60968	



0 ft	0 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



Distance:	60 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-60969	

*Indicates required field



Defect Listing

Pipe Segment Reference 95-60670	City* AA	Street* S Thayer st	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 88-51239	Total Length 16	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60826	Length surveyed 14.8	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 6	MPR 0	PO Number		Customer	
SPRI 3	MPRI 0	Work Order Number		Purpose	
QSR 4121	QMR 0000				
OPR 6	Surveyed By* Steve Pierce	Direction* Upstream	Date* 12/17/2025 9:27:27 AM		Media label
OPRI 3	Certificate Number* p0051117-112024	Pre-Cleaning No Pre-Cleaning	Time 12/17/2025 9:27:50 AM		Weather
Date Cleaned			End Time 12/17/2025 9:29:16 AM		Additional Info

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60826									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
2.9	Crack Longitudinal Hinge 2					<input type="checkbox"/>	9	12	2
2.9	Crack Longitudinal Hinge 4	S01				<input type="checkbox"/>	12	12	4
14.8	Access Points Catch Basin					<input type="checkbox"/>			
Remarks: 88-51239									

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference 95-60670	City* AA	Street* S Thayer st	Material* Vitrified Clay Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 88-51239	Total Length 16	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 92-60826	Length surveyed 14.8	Year Renewed	Height* 12	Width*	Pipe Joint	
SPR 6	MPR 0	PO Number		Customer		
SPRI 3	MPRI 0	Work Order Number		Purpose		
QSR 4121	QMR 0000					
OPR 6	Surveyed By* Steve Pierce	Direction* Upstream	Date* 12/17/2025 9:27:27 AM		Media label	
OPRI 3	Certificate Number* p0051117-112024	Pre-Cleaning No Pre-Cleaning	Time 12/17/2025 9:27:50 AM		Weather	
Date Cleaned			End Time 12/17/2025 9:29:16 AM		Additional Info	

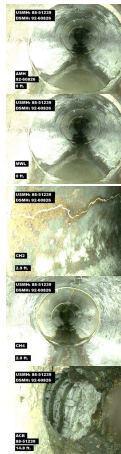
0 ft Access Point Manhole

0 ft Miscellaneous Water Level

2.9 ft Crack Longitudinal Hinge 2

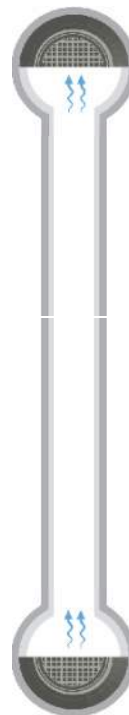
2.9 ft Crack Longitudinal Hinge 4

14.8 ft Access Points Catch Basin



2

4



92-60826

92-60826

88-51239

88-51239

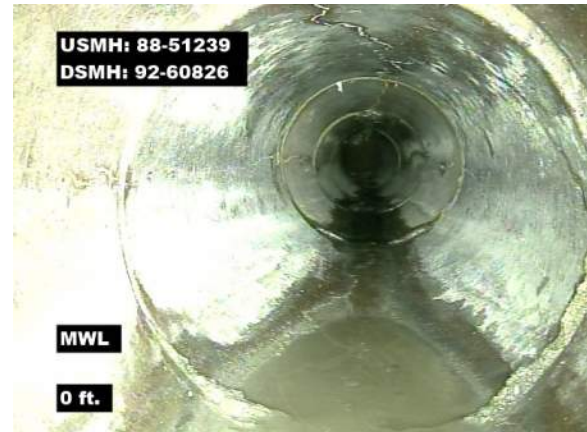
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Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60670	AA	S Thayer st	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-51239	16		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60826	14.8		12		



Distance:	0 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	92-60826		



0 ft	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	2.9 ft	Grade:	2
Conditions:	Crack Longitudinal Hinge 2		
Remarks:			



2.9 ft	2.9 ft	Grade:	4
Conditions:	Crack Longitudinal Hinge 4		
Remarks:			

*Indicates required field



Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60670	AA	S Thayer st	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
88-51239	16		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60826	14.8		12		



Distance:	14.8 ft	Grade:
Conditions:	Access Points Catch Basin	
Remarks:	88-51239	

*Indicates required field



Defect Listing

Pipe Segment Reference 95-61006	City* AA	Street* S Thayer st	Material* Reinforced Concrete Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 92-60968	Total Length	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 88-60968	Length surveyed 23.8	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 0	MPR 0	PO Number		Customer	
SPRI 0	MPRI 0	Work Order Number		Purpose	
QSR 0000	QMR 0000				
OPR 0	Surveyed By* Steve Pierce	Direction* Downstream	Date* 12/17/2025 8:24:44 AM	Media label	
OPRI 0	Certificate Number* p0051117-112024	Pre-Cleaning Heavy Cleaning	Time 12/17/2025 8:24:57 AM	Weather	
Date Cleaned			End Time 12/17/2025 8:34:53 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 92-60968									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
23.8	Access Points Catch Basin					<input type="checkbox"/>			
Remarks: 88-60968									

*Indicates required field



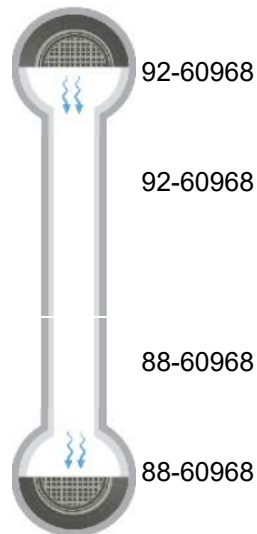
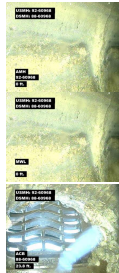
Defect Listing Plot With Images

Pipe Segment Reference 95-61006	City* AA	Street* S Thayer st	Material* Reinforced Concrete Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 92-60968	Total Length	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 88-60968	Length surveyed 23.8	Year Renewed	Height* 12	Width*	Pipe Joint	
SPR 0	MPR 0	PO Number		Customer		
SPRI 0	MPRI 0	Work Order Number		Purpose		
QSR 0000	QMR 0000					
OPR 0	Surveyed By* Steve Pierce	Direction* Downstream	Date* 12/17/2025 8:24:44 AM		Media label	
OPRI 0	Certificate Number* p0051117-112024	Pre-Cleaning Heavy Cleaning	Time 12/17/2025 8:24:57 AM		Weather	
Date Cleaned			End Time 12/17/2025 8:34:53 AM		Additional Info	

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

23.8 ft Access Points Catch Basin



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-61006	AA	S Thayer st	Reinforced Concrete Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-60968			Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
88-60968	23.8		12		



Distance:	0 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	92-60968	



0 ft	0 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



Distance:	23.8 ft	Grade:
Conditions:	Access Points Catch Basin	
Remarks:	88-60968	

*Indicates required field



Defect Listing

Pipe Segment Reference 95-60869	City* ANN ARBOR	Street* E WASHINGTON ST	Material* Vitrified Clay Pipe	Location Code	Pipe Use Stormwater
Upstream MH* 92-60831	Total Length 326	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 92-60823	Length surveyed	Year Renewed	Height* 15	Width*	Pipe Joint

SPR 4	MPR 6	PO Number		Customer	
SPRI 2	MPRI 6	Work Order Number		Purpose	
QSR 2200	QMR 4100				
OPR 10	Surveyed By* BILLY BRADY	Direction* Downstream	Date* 5/29/2024 11:56:00 AM	Media label	
OPRI 3.3	Certificate Number* P0045839-012024	Pre-Cleaning No Pre-Cleaning	Time 5/29/2024 11:56:00 AM	Weather Dry - No	
Date Cleaned			End Time	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Manhole					<input type="checkbox"/>			
Remarks: 92-60831									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
128	Crack Longitudinal					<input type="checkbox"/>	12		2
232.2	Crack Longitudinal					<input type="checkbox"/>	12		2
279.9	Roots Fine Joint					<input checked="" type="checkbox"/>	2		1
291.3	Roots Fine Joint					<input checked="" type="checkbox"/>	11	1	1
317.7	Obstruction External Pipe or Cable				30	<input type="checkbox"/>	12		4
Remarks: CROSSBORE									
327.2	Access Manhole					<input type="checkbox"/>			
Remarks: 92-60823									

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference 95-60869	City* ANN ARBOR	Street* E WASHINGTON ST	Material* Vitrified Clay Pipe		Location Code	Pipe Use Stormwater
Upstream MH* 92-60831	Total Length 326	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 92-60823	Length surveyed	Year Renewed	Height* 15	Width*	Pipe Joint	
SPR 4	MPR 6	PO Number		Customer		
SPRI 2	MPRI 6	Work Order Number		Purpose		
QSR 2200	QMR 4100					
OPR 10	Surveyed By* BILLY BRADY	Direction* Downstream	Date* 5/29/2024 11:56:00 AM		Media label	
OPRI 3.3	Certificate Number* P0045839-012024	Pre-Cleaning No Pre-Cleaning	Time 5/29/2024 11:56:00 AM		Weather Dry - No	
Date Cleaned			End Time		Additional Info	

0 ft Access Manhole

0 ft Miscellaneous Water Level

128 ft Crack Longitudinal

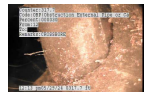
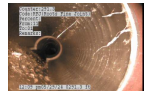
232.2 ft Crack Longitudinal

279.9 ft Roots Fine Joint

291.3 ft Roots Fine Joint

317.7 ft Obstruction External Pipe or Cable

327.2 ft Access Manhole



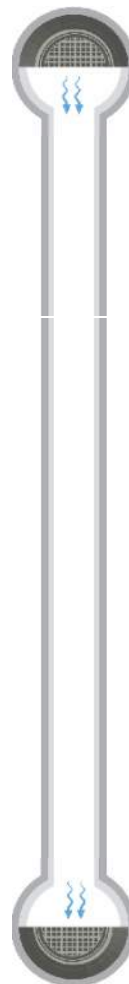
2

2

1

1

4



92-60831

92-60831

CROSSBORE

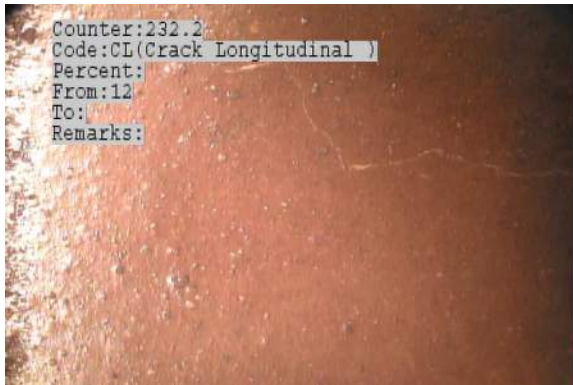
92-60823

92-60823

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
95-60869	ANN ARBOR	E WASHINGTON ST	Vitrified Clay Pipe		Stormwater
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
92-60831	326		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
92-60823			15		



Distance: 128 ft Grade: 2
Conditions: Crack Longitudinal
Remarks:



279.9 ft 279.9 ft Grade: 1
Conditions: Roots Fine Joint
Remarks:



Distance: 317.7 ft Grade: 4
Conditions: Obstruction External Pipe or Cable
Remarks: CROSSBORE



317.7 ft 317.7 ft Grade: 4
Conditions: Obstruction External Pipe or Cable
Remarks: CROSSBORE

*Indicates required field



Defect Listing

Pipe Segment Reference 74-71458	City* Ann Arbor	Street* S Thayer St	Material* Vitrified Clay Pipe	Location Code	Pipe Use Sanitary Sewage
Upstream MH* 71-71293	Total Length 214	Year Constructed	Shape* Circular	Location Details S Thayer St	
Downstream MH* 71-71289	Length surveyed 209.8	Year Renewed	Height* 8	Width*	Pipe Joint

SPR 21	MPR 0	PO Number		Customer	
SPRI 4.2	MPRI 0	Work Order Number		Purpose	
QSR 5242	QMR 0000				
OPR 21	Surveyed By* Steve Pierce	Direction* Downstream	Date* 9/4/2025 8:07:12 AM	Media label	
OPRI 4.2	Certificate Number* p0051117-112024	Pre-Cleaning No Pre-Cleaning	Time 9/4/2025 8:07:34 AM	Weather	
Date Cleaned			End Time 9/4/2025 8:23:00 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 71-71293									
0	Miscellaneous Water Level				10	<input type="checkbox"/>			
16.8	Broken Pipe Soil Visible					<input type="checkbox"/>	6	8	5
18.9	Crack Multiple					<input type="checkbox"/>	6	8	3
43.6	Broken Pipe					<input type="checkbox"/>	9		4
Remarks: starting to break apart									
124.2	Joint Offset Large					<input type="checkbox"/>			4
124.2	Miscellaneous Material Change					<input type="checkbox"/>			
Remarks: clay to plastic									
187.4	Broken Pipe Soil Visible					<input type="checkbox"/>	4	8	5
209.8	Access Point Manhole					<input type="checkbox"/>			
Remarks: 71-71289									

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71458	Ann Arbor	S Thayer St	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71293	214		Circular	S Thayer St	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71289	209.8		8		

SPR	MPR	PO Number		Customer	
21	0				
SPRI	MPRI	Work Order Number		Purpose	
4.2	0				
QSR	QMR				
5242	0000				
OPR	Surveyed By*	Direction*	Date*	Media label	
21	Steve Pierce	Downstream	9/4/2025 8:07:12 AM		
OPRI	Certificate Number*	Pre-Cleaning	Time	Weather	
4.2	p0051117-112024	No Pre-Cleaning	9/4/2025 8:07:34 AM		
Date Cleaned			End Time	Additional Info	
			9/4/2025 8:23:00 AM		

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

16.8 ft Broken Pipe Soil Visible

18.9 ft Crack Multiple

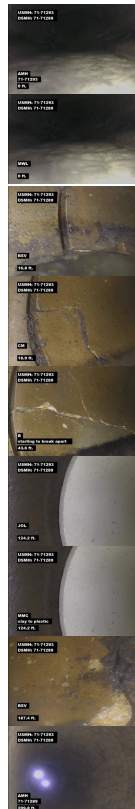
43.6 ft Broken Pipe

124.2 ft Joint Offset Large

124.2 ft Miscellaneous Material Change

187.4 ft Broken Pipe Soil Visible

209.8 ft Access Point Manhole



5

3

4

4

5



71-71293

71-71293

starting to break apart

clay to plastic

71-71289

71-71289

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71458	Ann Arbor	S Thayer St	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71293	214		Circular	S Thayer St	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71289	209.8		8		



Distance:	0 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	71-71293		

0 ft	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	16.8 ft	Grade:	5
Conditions:	Broken Pipe Soil Visible		
Remarks:			

18.9 ft	18.9 ft	Grade:	3
Conditions:	Crack Multiple		
Remarks:			

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71458	Ann Arbor	S Thayer St	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71293	214		Circular	S Thayer St	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71289	209.8		8		



Distance:	43.6 ft	Grade:	4
Conditions:	Broken Pipe		
Remarks:	starting to break apart		



Distance:	124.2 ft	Grade:	4
Conditions:	Joint Offset Large		
Remarks:			



Distance:	124.2 ft	Grade:	
Conditions:	Miscellaneous Material Change		
Remarks:	clay to plastic		



Distance:	187.4 ft	Grade:	5
Conditions:	Broken Pipe Soil Visible		
Remarks:			

*Indicates required field



Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71458	Ann Arbor	S Thayer St	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71293	214		Circular	S Thayer St	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71289	209.8		8		



Distance:	209.8 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	71-71289	

*Indicates required field



Defect Listing

Pipe Segment Reference 74-71465	City* Ann Arbor	Street* S Thayer St	Material* Vitrified Clay Pipe	Location Code Local rural streets	Pipe Use Sanitary Sewage
Upstream MH* 71-71300	Total Length 140	Year Constructed	Shape* Circular	Location Details S Thayer St	
Downstream MH* 71-71294	Length surveyed 136.5	Year Renewed	Height* 8	Width*	Pipe Joint

SPR 0	MPR 0	PO Number		Customer	
SPRI 0	MPRI 0	Work Order Number		Purpose	
QSR 0000	QMR 0000				
OPR 0	Surveyed By* Steve Pierce	Direction* Downstream	Date* 8/6/2024 12:44:36 PM		Media label
OPRI 0	Certificate Number* training	Pre-Cleaning No Pre-Cleaning	Time 8/6/2024 12:45:01 PM		Weather
Date Cleaned			End Time 8/6/2024 12:52:16 PM		Additional Info

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			

Remarks: 71-71300

0	Miscellaneous Water Level				5	<input type="checkbox"/>			
2.3	Tap Factory Made Capped		4			<input type="checkbox"/>	3		
2.7	Tap Factory Made		4			<input type="checkbox"/>	9		
4.5	Tap Factory Made Capped		4			<input type="checkbox"/>	9		
19	Tap Factory Made Abandoned		4			<input type="checkbox"/>	3		
49.8	Tap Factory Made		4			<input type="checkbox"/>	9		
52.2	Tap Break-in/Hammer		4			<input type="checkbox"/>	9		
54	Tap Break-in/Hammer		4			<input type="checkbox"/>	10		
58.2	Tap Factory Made		4			<input type="checkbox"/>	9		
62.8	Tap Break-in/Hammer		4			<input type="checkbox"/>	2		
87.2	Tap Break-in/Hammer		6			<input type="checkbox"/>	2		
89.4	Tap Factory Made		4			<input type="checkbox"/>	9		
97.7	Tap Factory Made Abandoned		4			<input type="checkbox"/>	2		
136.5	Access Point Manhole					<input type="checkbox"/>			

Remarks: 71-71294

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71465	Ann Arbor	S Thayer St	Vitrified Clay Pipe	Local rural streets	Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71300	140		Circular	S Thayer St	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71294	136.5		8		

SPR	MPR	PO Number		Customer	
0	0				
SPRI	MPRI	Work Order Number		Purpose	
0	0				
QSR	QMR				
0000	0000				
OPR	Surveyed By*	Direction*	Date*	Media label	
0	Steve Pierce	Downstream	8/6/2024 12:44:36 PM		
OPRI	Certificate Number*	Pre-Cleaning	Time	Weather	
0	training	No Pre-Cleaning	8/6/2024 12:45:01 PM		
Date Cleaned			End Time	Additional Info	
			8/6/2024 12:52:16 PM		

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

2.3 ft Tap Factory Made Capped

2.7 ft Tap Factory Made

4.5 ft Tap Factory Made Capped

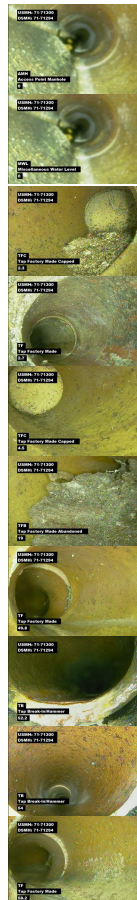
19 ft Tap Factory Made Abandoned

49.8 ft Tap Factory Made

52.2 ft Tap Break-in/Hammer

54 ft Tap Break-in/Hammer

58.2 ft Tap Factory Made



71-71300

71-71300

*Indicates required field

Defect Listing Plot With Images

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71465	Ann Arbor	S Thayer St	Vitrified Clay Pipe	Local rural streets	Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71300	140		Circular	S Thayer St	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71294	136.5		8		

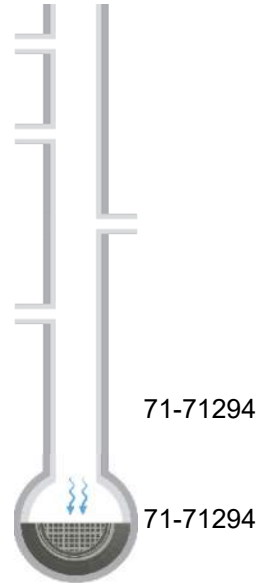
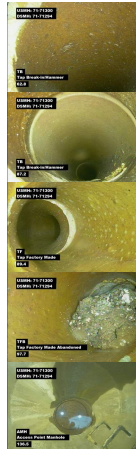
62.8 ft Tap Break-in/Hammer

87.2 ft Tap Break-in/Hammer

89.4 ft Tap Factory Made

97.7 ft Tap Factory Made Abandoned

136.5 ft Access Point Manhole



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71465	Ann Arbor	S Thayer St	Vitrified Clay Pipe	Local rural streets	Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71300	140		Circular	S Thayer St	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71294	136.5		8		



Distance:	0 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	71-71300	



0 ft	0 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



Distance:	2.3 ft	Grade:
Conditions:	Tap Factory Made Capped	
Remarks:		



2.7 ft	2.7 ft	Grade:
Conditions:	Tap Factory Made	
Remarks:		

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71465	Ann Arbor	S Thayer St	Vitrified Clay Pipe	Local rural streets	Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71300	140		Circular	S Thayer St	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71294	136.5		8		



Distance:	4.5 ft	Grade:
Conditions:	Tap Factory Made Capped	
Remarks:		



19 ft	19 ft	Grade:
Conditions:	Tap Factory Made Abandoned	
Remarks:		



Distance:	49.8 ft	Grade:
Conditions:	Tap Factory Made	
Remarks:		



52.2 ft	52.2 ft	Grade:
Conditions:	Tap Break-in/Hammer	
Remarks:		

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71465	Ann Arbor	S Thayer St	Vitrified Clay Pipe	Local rural streets	Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71300	140		Circular	S Thayer St	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71294	136.5		8		



Distance:	54 ft	Grade:
Conditions:	Tap Break-in/Hammer	
Remarks:		



Distance:	58.2 ft	Grade:
Conditions:	Tap Factory Made	
Remarks:		



Distance:	62.8 ft	Grade:
Conditions:	Tap Break-in/Hammer	
Remarks:		



Distance:	87.2 ft	Grade:
Conditions:	Tap Break-in/Hammer	
Remarks:		

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71465	Ann Arbor	S Thayer St	Vitrified Clay Pipe	Local rural streets	Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71300	140		Circular	S Thayer St	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71294	136.5		8		



Distance:	89.4 ft	Grade:
Conditions:	Tap Factory Made	
Remarks:		



97.7 ft	97.7 ft	Grade:
Conditions:	Tap Factory Made Abandoned	
Remarks:		



Distance:	136.5 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	71-71294	

*Indicates required field



Defect Listing

Pipe Segment Reference 74-71459	City* Ann Arbor	Street* S Thayer St	Material* Clay-lined Concrete Pipe	Location Code Local rural streets	Pipe Use Sanitary Sewage
Upstream MH* 71-71294	Total Length 71	Year Constructed	Shape* Circular	Location Details S Thayer St	
Downstream MH* 71-71293	Length surveyed 71.4	Year Renewed	Height* 8	Width*	Pipe Joint

SPR 0	MPR 0	PO Number		Customer	
SPRI 0	MPRI 0	Work Order Number		Purpose	
QSR 0000	QMR 0000				
OPR 0	Surveyed By* Steve Pierce	Direction* Downstream	Date* 8/6/2024 12:53:21 PM		Media label
OPRI 0	Certificate Number* training	Pre-Cleaning No Pre-Cleaning	Time 8/6/2024 12:53:38 PM		Weather
Date Cleaned			End Time 8/6/2024 12:56:27 PM		Additional Info

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 71-71294									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
11.1	Tap Break-in/Hammer		4			<input type="checkbox"/>	10		
48.3	Tap Factory Made		4			<input type="checkbox"/>	3		
68.8	Tap Break-in/Hammer		6			<input type="checkbox"/>	2		
71.4	Access Point Manhole					<input type="checkbox"/>			

Remarks: 71-71293

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference	City*	Street*	Material*		Location Code	Pipe Use
74-71459	Ann Arbor	S Thayer St	Clay-lined Concrete Pipe		Local rural streets	Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*		Location Details	
71-71294	71		Circular		S Thayer St	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint	
71-71293	71.4		8			

SPR	0	MPR	0	PO Number		Customer		
SPRI	0	MPRI	0					
QSR	0000	QMR	0000	Work Order Number		Purpose		
OPR	0	Surveyed By* Steve Pierce		Direction* Downstream	Date* 8/6/2024 12:53:21 PM		Media label	
OPRI	0	Certificate Number* training		Pre-Cleaning No Pre-Cleaning	Time 8/6/2024 12:53:38 PM		Weather	
Date Cleaned					End Time 8/6/2024 12:56:27 PM		Additional Info	

0 ft Access Point Manhole

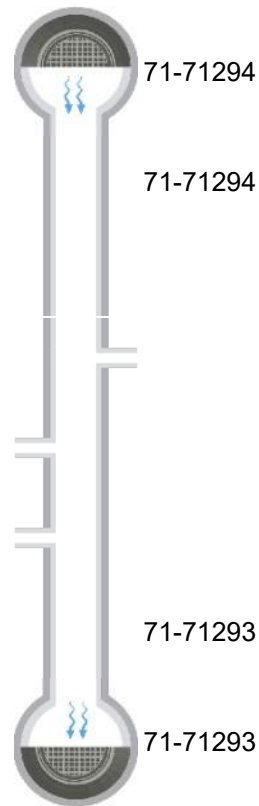
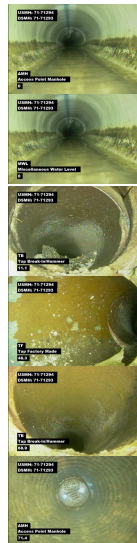
0 ft Miscellaneous Water Level

11.1 ft Tap Break-in/Hammer

48.3 ft Tap Factory Made

68.8 ft Tap Break-in/Hammer

71.4 ft Access Point Manhole



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71459	Ann Arbor	S Thayer St	Clay-lined Concrete Pipe	Local rural streets	Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71294	71		Circular	S Thayer St	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71293	71.4		8		



Distance:	0 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	71-71294	



0 ft	0 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



Distance:	11.1 ft	Grade:
Conditions:	Tap Break-in/Hammer	
Remarks:		

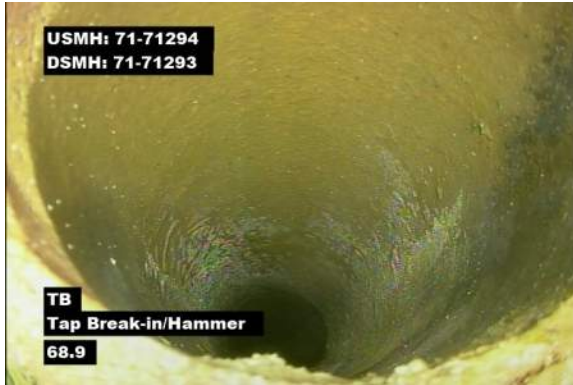


48.3 ft	48.3 ft	Grade:
Conditions:	Tap Factory Made	
Remarks:		

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71459	Ann Arbor	S Thayer St	Clay-lined Concrete Pipe	Local rural streets	Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71294	71		Circular	S Thayer St	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71293	71.4		8		



Distance:	68.8 ft	Grade:
Conditions:	Tap Break-in/Hammer	
Remarks:		



71.4 ft	71.4 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	71-71293	

*Indicates required field



Defect Listing

Pipe Segment Reference 74-71488	City* Ann Arbor	Street* N University Ave	Material* Vitrified Clay Pipe	Location Code	Pipe Use Sanitary Sewage
Upstream MH* 71-71323	Total Length 121	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 71-71205	Length surveyed 116	Year Renewed	Height* 10	Width*	Pipe Joint

SPR 10	MPR 0	PO Number		Customer	
SPRI 3.3	MPRI 0	Work Order Number		Purpose	
QSR 4221	QMR 0000				
OPR 10	Surveyed By* SetupAdmin	Direction* Downstream	Date* 6/27/2023 11:06:16 AM	Media label	
OPRI 3.3	Certificate Number* kneppertrain	Pre-Cleaning No Pre-Cleaning	Time 6/27/2023 11:06:35 AM	Weather	
Date Cleaned			End Time 6/27/2023 11:11:08 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 71-71323									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
11.1	Crack Spiral					<input type="checkbox"/>	8	9	2
40.2	Tap Factory Made		4			<input type="checkbox"/>	2		
49.7	Broken Pipe					<input checked="" type="checkbox"/>	3	9	4
81.5	Broken Pipe					<input type="checkbox"/>	3	8	4
116	Access Point Manhole					<input type="checkbox"/>			
Remarks: 71-71205									

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71488	Ann Arbor	N University Ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71323	121		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71205	116		10		

SPR	MPR	PO Number		Customer	
10	0				
SPRI	MPRI	Work Order Number		Purpose	
3.3	0				
QSR	QMR				
4221	0000				
OPR	Surveyed By*	Direction*	Date*	Media label	
10	SetupAdmin	Downstream	6/27/2023 11:06:16 AM		
OPRI	Certificate Number*	Pre-Cleaning	Time	Weather	
3.3	kneppertrain	No Pre-Cleaning	6/27/2023 11:06:35 AM		
Date Cleaned			End Time	Additional Info	
			6/27/2023 11:11:08 AM		

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

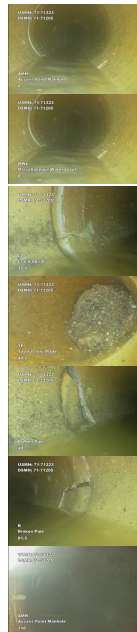
11.1 ft Crack Spiral

40.2 ft Tap Factory Made

49.7 ft Broken Pipe

81.5 ft Broken Pipe

116 ft Access Point Manhole



2

4

4



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71488	Ann Arbor	N University Ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71323	121		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71205	116		10		



Distance:	0 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	71-71323		

0 ft	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	11.1 ft	Grade:	2
Conditions:	Crack Spiral		
Remarks:			

40.2 ft	40.2 ft	Grade:	
Conditions:	Tap Factory Made		
Remarks:			

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71488	Ann Arbor	N University Ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71323	121		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71205	116		10		



Distance:	49.7 ft	Grade:	4
Conditions:	Broken Pipe		
Remarks:			



81.5 ft	81.5 ft	Grade:	4
Conditions:	Broken Pipe		
Remarks:			



Distance:	116 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	71-71205		

*Indicates required field



Defect Listing

Pipe Segment Reference 74-073623	City* Ann Arbor	Street* N University Ave	Material* Vitrified Clay Pipe	Location Code	Pipe Use Sanitary Sewage
Upstream MH* 71-073107	Total Length 167	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 71-71323	Length surveyed 164.3	Year Renewed	Height* 10	Width*	Pipe Joint

SPR 26	MPR 0	PO Number		Customer	
SPRI 3.3	MPRI 0	Work Order Number		Purpose	
QSR 5143	QMR 0000				
OPR 26	Surveyed By* SetupAdmin	Direction* Downstream	Date* 6/27/2023 9:49:59 AM		Media label
OPRI 3.3	Certificate Number* kneppertrain	Pre-Cleaning No Pre-Cleaning	Time 6/27/2023 9:50:54 AM		Weather
Date Cleaned			End Time 6/27/2023 11:04:47 AM		Additional Info

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			

Remarks: 71-073107

0	Miscellaneous Water Level				5	<input type="checkbox"/>			
7.5	Broken Pipe Soil Visible					<input type="checkbox"/>	3	9	5
14.6	Crack Spiral					<input type="checkbox"/>	3	4	2
24.5	Tap Factory Made		4			<input type="checkbox"/>	2		
24.8	Broken Pipe					<input checked="" type="checkbox"/>	3	6	4
40.7	Tap Break-in/Hammer		4			<input type="checkbox"/>	2		
56	Tap Break-in/Hammer		4			<input type="checkbox"/>	2		
71.1	Tap Factory Made		4			<input type="checkbox"/>	2		
74	Crack Spiral					<input type="checkbox"/>	7	11	2
87.5	Tap Factory Made		4			<input type="checkbox"/>	2		
93.1	Crack Spiral					<input type="checkbox"/>	2	3	2
93.6	Tap Break-in/Hammer		4			<input type="checkbox"/>	2		
95.1	Broken Pipe					<input checked="" type="checkbox"/>	2	7	4
111.5	Crack Multiple					<input type="checkbox"/>	3	2	3
113	Tap Factory Made		4			<input type="checkbox"/>	1		
124.9	Broken Pipe					<input type="checkbox"/>	6		4
132.3	Tap Factory Made		4			<input type="checkbox"/>	2		
132.8	Tap Break-in/Hammer		4			<input type="checkbox"/>	2		
159.8	Tap Factory Made		4			<input type="checkbox"/>	2		

*Indicates required field



Defect Listing

Pipe Segment Reference 74-073623	City* Ann Arbor	Street* N University Ave	Material* Vitrified Clay Pipe	Location Code	Pipe Use Sanitary Sewage
Upstream MH* 71-073107	Total Length 167	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 71-71323	Length surveyed 164.3	Year Renewed	Height* 10	Width*	Pipe Joint

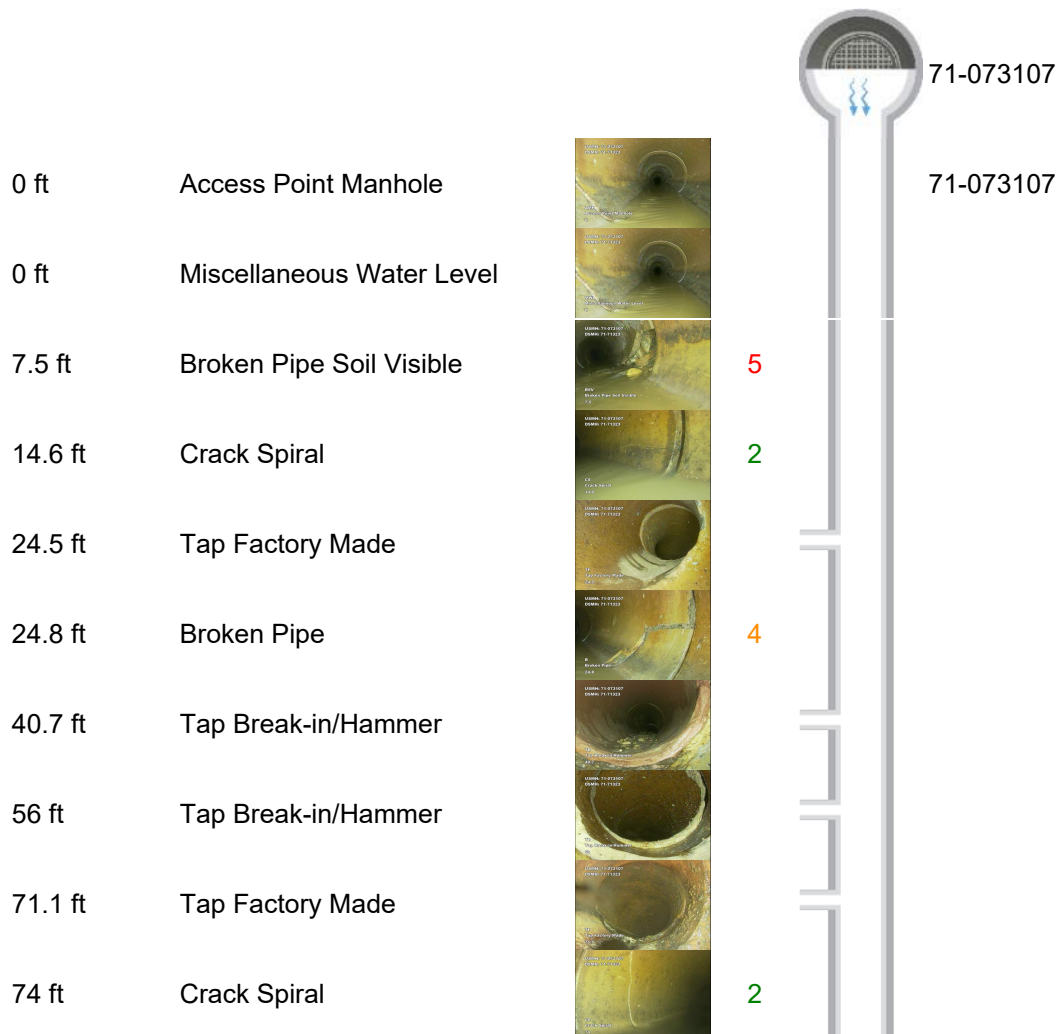
Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
164.3	Access Point Manhole					<input type="checkbox"/>			
Remarks: 71-71323									

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference 74-073623	City* Ann Arbor	Street* N University Ave	Material* Vitrified Clay Pipe	Location Code	Pipe Use Sanitary Sewage
Upstream MH* 71-073107	Total Length 167	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 71-71323	Length surveyed 164.3	Year Renewed	Height* 10	Width*	Pipe Joint
SPR 26	MPR 0	PO Number		Customer	
SPRI 3.3	MPRI 0	Work Order Number		Purpose	
QSR 5143	QMR 0000				
OPR 26	Surveyed By* SetupAdmin	Direction* Downstream	Date* 6/27/2023 9:49:59 AM	Media label	
OPRI 3.3	Certificate Number* kneppertrain	Pre-Cleaning No Pre-Cleaning	Time 6/27/2023 9:50:54 AM	Weather	
Date Cleaned			End Time 6/27/2023 11:04:47 AM	Additional Info	

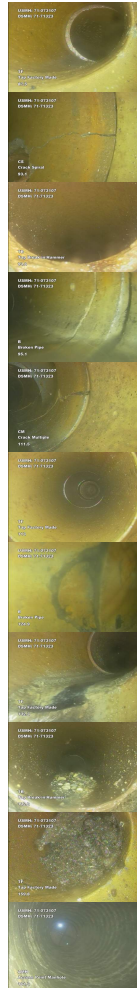


*Indicates required field

Defect Listing Plot With Images

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-073623	Ann Arbor	N University Ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-073107	167		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71323	164.3		10		

87.5 ft	Tap Factory Made
93.1 ft	Crack Spiral
93.6 ft	Tap Break-in/Hammer
95.1 ft	Broken Pipe
111.5 ft	Crack Multiple
113 ft	Tap Factory Made
124.9 ft	Broken Pipe
132.3 ft	Tap Factory Made
132.8 ft	Tap Break-in/Hammer
159.8 ft	Tap Factory Made
164.3 ft	Access Point Manhole



2

4

3

4



71-71323

71-71323

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-073623	Ann Arbor	N University Ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-073107	167		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71323	164.3		10		



Distance:	0 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	71-073107		

0 ft	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	7.5 ft	Grade:	5
Conditions:	Broken Pipe Soil Visible		
Remarks:			

14.6 ft	14.6 ft	Grade:	2
Conditions:	Crack Spiral		
Remarks:			

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-073623	Ann Arbor	N University Ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-073107	167		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71323	164.3		10		



Distance:	24.5 ft	Grade:	
Conditions:	Tap Factory Made		
Remarks:			



24.8 ft	24.8 ft	Grade:	4
Conditions:	Broken Pipe		
Remarks:			



Distance:	40.7 ft	Grade:	
Conditions:	Tap Break-in/Hammer		
Remarks:			



56 ft	56 ft	Grade:	
Conditions:	Tap Break-in/Hammer		
Remarks:			

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-073623	Ann Arbor	N University Ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-073107	167		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71323	164.3		10		



Distance:	71.1 ft	Grade:	
Conditions:	Tap Factory Made		
Remarks:			



74 ft	74 ft	Grade:	2
Conditions:	Crack Spiral		
Remarks:			



Distance:	87.5 ft	Grade:	
Conditions:	Tap Factory Made		
Remarks:			



93.1 ft	93.1 ft	Grade:	2
Conditions:	Crack Spiral		
Remarks:			

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-073623	Ann Arbor	N University Ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-073107	167		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71323	164.3		10		



Distance:	93.6 ft	Grade:	
Conditions:	Tap Break-in/Hammer		
Remarks:			



95.1 ft	95.1 ft	Grade:	4
Conditions:	Broken Pipe		
Remarks:			



Distance:	111.5 ft	Grade:	3
Conditions:	Crack Multiple		
Remarks:			



113 ft	113 ft	Grade:	
Conditions:	Tap Factory Made		
Remarks:			

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-073623	Ann Arbor	N University Ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-073107	167		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71323	164.3		10		



Distance: 124.9 ft Grade: 4
Conditions: Broken Pipe
Remarks:



132.3 ft 132.3 ft Grade:
Conditions: Tap Factory Made
Remarks:



Distance: 132.8 ft Grade:
Conditions: Tap Break-in/Hammer
Remarks:



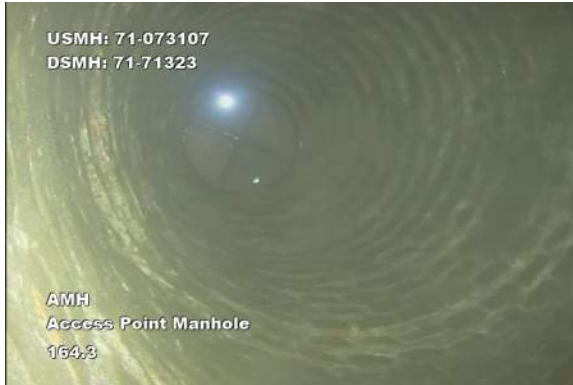
159.8 ft 159.8 ft Grade:
Conditions: Tap Factory Made
Remarks:

*Indicates required field



Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-073623	Ann Arbor	N University Ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-073107	167		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71323	164.3		10		



Distance:	164.3 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	71-71323	

*Indicates required field



Defect Listing

Pipe Segment Reference 74-073905	City* Ann Arbor	Street* N University Ave	Material* Vitrified Clay Pipe	Location Code	Pipe Use Sanitary Sewage
Upstream MH* 71-71298	Total Length	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 71-72351	Length surveyed 108.1	Year Renewed	Height* 8	Width*	Pipe Joint

SPR 0	MPR 0	PO Number		Customer	
SPRI 0	MPRI 0	Work Order Number		Purpose	
QSR 0000	QMR 0000				
OPR 0	Surveyed By* JBell	Direction* Downstream	Date* 6/28/2023 8:37:00 AM		Media label
OPRI 0	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 6/28/2023 8:37:13 AM		Weather
Date Cleaned			End Time 6/28/2023 8:40:35 AM		Additional Info

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 71-71298									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
64.4	Tap Factory Made		4			<input type="checkbox"/>	2		
108.1	Access Point Manhole					<input type="checkbox"/>			
Remarks: 71-72351									

*Indicates required field



Defect Listing Plot With Images

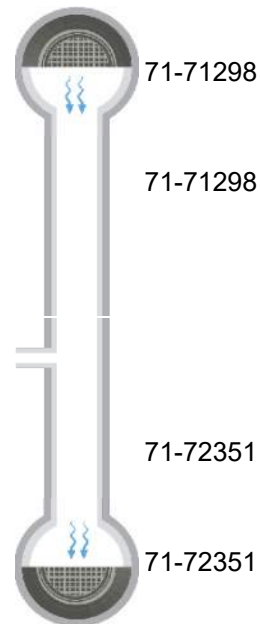
Pipe Segment Reference 74-073905	City* Ann Arbor	Street* N University Ave	Material* Vitrified Clay Pipe		Location Code	Pipe Use Sanitary Sewage
Upstream MH* 71-71298	Total Length	Year Constructed	Shape* Circular		Location Details	
Downstream MH* 71-72351	Length surveyed 108.1	Year Renewed	Height* 8	Width*	Pipe Joint	
SPR 0	MPR 0	PO Number		Customer		
SPRI 0	MPRI 0	Work Order Number		Purpose		
QSR 0000	QMR 0000					
OPR 0	Surveyed By* JBell	Direction* Downstream	Date* 6/28/2023 8:37:00 AM		Media label	
OPRI 0	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 6/28/2023 8:37:13 AM		Weather	
Date Cleaned			End Time 6/28/2023 8:40:35 AM		Additional Info	

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

64.4 ft Tap Factory Made

108.1 ft Access Point Manhole



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-073905	Ann Arbor	N University Ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71298			Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-72351	108.1		8		



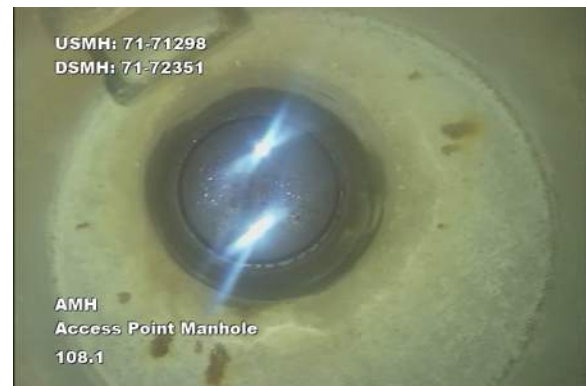
Distance:	0 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	71-71298	



0 ft	0 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



Distance:	64.4 ft	Grade:
Conditions:	Tap Factory Made	
Remarks:		



108.1 ft	108.1 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	71-72351	

*Indicates required field



Defect Listing

Pipe Segment Reference 74-074842	City* Ann Arbor	Street* N University ave	Material* Vitrified Clay Pipe	Location Code	Pipe Use Sanitary Sewage
Upstream MH* 71-72351	Total Length	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 71-71320	Length surveyed 215.5	Year Renewed	Height* 8	Width*	Pipe Joint

SPR 15	MPR 0	PO Number		Customer	
SPRI 3	MPRI 0	Work Order Number		Purpose	
QSR 5141	QMR 0000				
OPR 15	Surveyed By* JBell	Direction* Downstream	Date* 6/28/2023 8:41:30 AM	Media label	
OPRI 3	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 6/28/2023 8:41:41 AM	Weather	
Date Cleaned			End Time 6/28/2023 8:51:44 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			

Remarks: 71-72351

0	Miscellaneous Water Level				5	<input type="checkbox"/>			
2.4	Crack Longitudinal					<input type="checkbox"/>	4		2
5.4	Tap Factory Made		4			<input type="checkbox"/>	2		
6.6	Crack Circumferential					<input type="checkbox"/>	7	11	1
55	Tap Factory Made		4			<input type="checkbox"/>	2		
67.3	Tap Factory Made Capped		8			<input type="checkbox"/>	12		

Remarks: Peep hole

77	Hole Void Visible					<input type="checkbox"/>	8		5
95	Tap Break-in/Hammer		6			<input type="checkbox"/>	10		
102.4	Fracture Spiral					<input type="checkbox"/>	4	7	3
110.1	Tap Factory Made		4			<input type="checkbox"/>	2		
125.8	Broken Pipe					<input type="checkbox"/>	9		4
127.8	Miscellaneous Material Change					<input type="checkbox"/>			

Remarks: PVC

144.5	Miscellaneous Water Level				40	<input type="checkbox"/>			
215.5	Access Point Manhole					<input type="checkbox"/>			

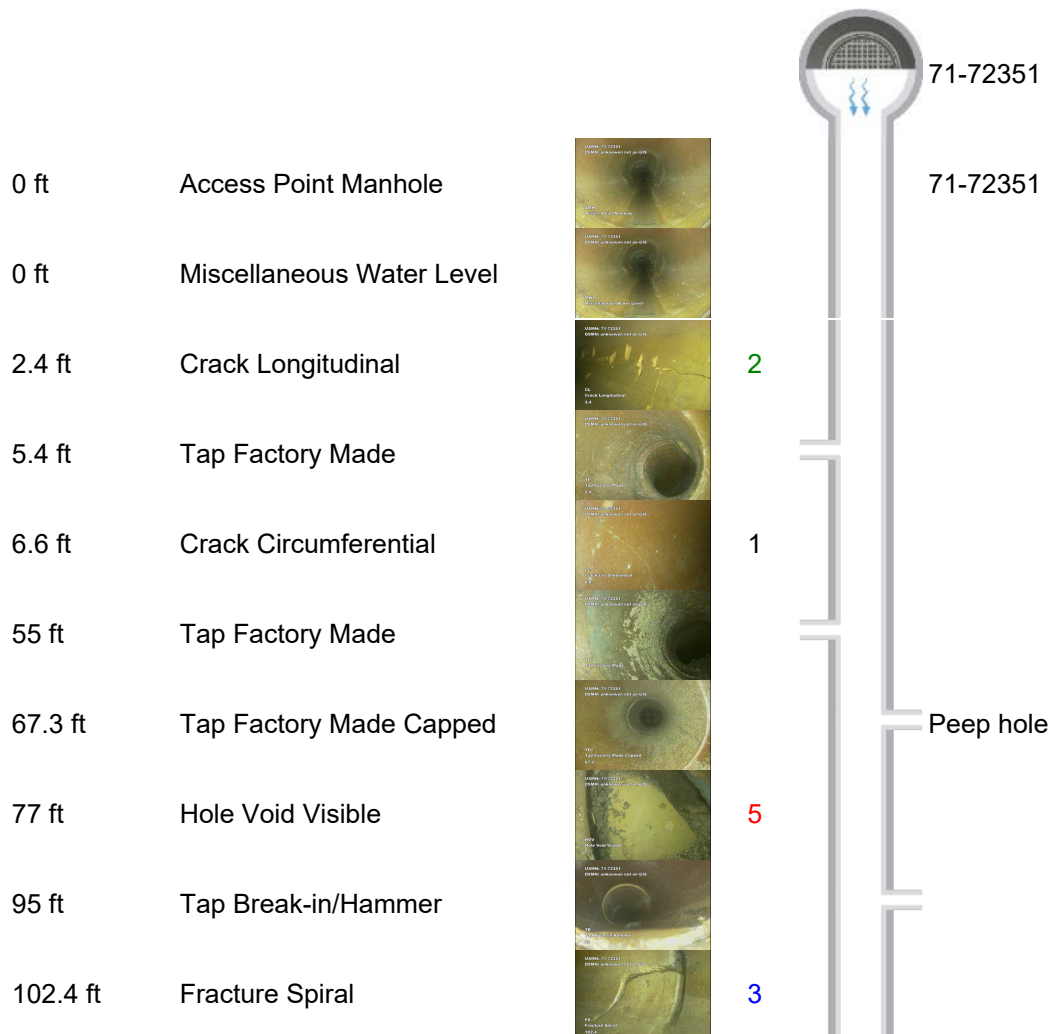
Remarks: 71-71320

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference 74-074842	City* Ann Arbor	Street* N University ave	Material* Vitrified Clay Pipe	Location Code	Pipe Use Sanitary Sewage
Upstream MH* 71-72351	Total Length	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 71-71320	Length surveyed 215.5	Year Renewed	Height* 8	Width*	Pipe Joint
SPR 15	MPR 0	PO Number		Customer	
SPRI 3	MPRI 0	Work Order Number		Purpose	
QSR 5141	QMR 0000				
OPR 15	Surveyed By* JBell	Direction* Downstream	Date* 6/28/2023 8:41:30 AM	Media label	
OPRI 3	Certificate Number* U-1117-07009559	Pre-Cleaning No Pre-Cleaning	Time 6/28/2023 8:41:41 AM	Weather	
Date Cleaned			End Time 6/28/2023 8:51:44 AM	Additional Info	



*Indicates required field

Defect Listing Plot With Images

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-074842	Ann Arbor	N University ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-72351			Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71320	215.5		8		

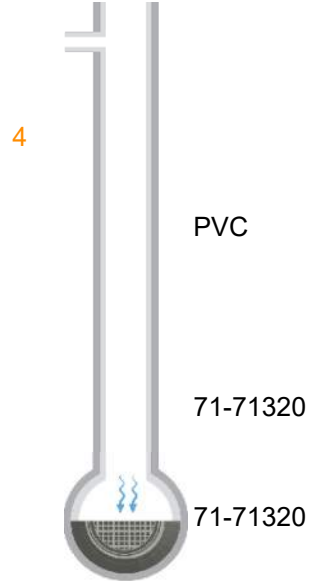
110.1 ft Tap Factory Made

125.8 ft Broken Pipe

127.8 ft Miscellaneous Material Change

144.5 ft Miscellaneous Water Level

215.5 ft Access Point Manhole



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-074842	Ann Arbor	N University ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-72351			Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71320	215.5		8		



Distance:	0 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	71-72351		



0 ft	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	2.4 ft	Grade:	2
Conditions:	Crack Longitudinal		
Remarks:			



5.4 ft	5.4 ft	Grade:	
Conditions:	Tap Factory Made		
Remarks:			

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-074842	Ann Arbor	N University ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-72351			Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71320	215.5		8		



Distance:	6.6 ft	Grade:	1
Conditions:	Crack Circumferential		
Remarks:			



55 ft	55 ft	Grade:	
Conditions:	Tap Factory Made		
Remarks:			



Distance:	67.3 ft	Grade:	
Conditions:	Tap Factory Made Capped		
Remarks:	Peep hole		



77 ft	77 ft	Grade:	5
Conditions:	Hole Void Visible		
Remarks:			

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-074842	Ann Arbor	N University ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-72351			Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71320	215.5		8		



Distance:	95 ft	Grade:	
Conditions:	Tap Break-in/Hammer		
Remarks:			



102.4 ft	102.4 ft	Grade:	3
Conditions:	Fracture Spiral		
Remarks:			



Distance:	110.1 ft	Grade:	
Conditions:	Tap Factory Made		
Remarks:			



125.8 ft	125.8 ft	Grade:	4
Conditions:	Broken Pipe		
Remarks:			

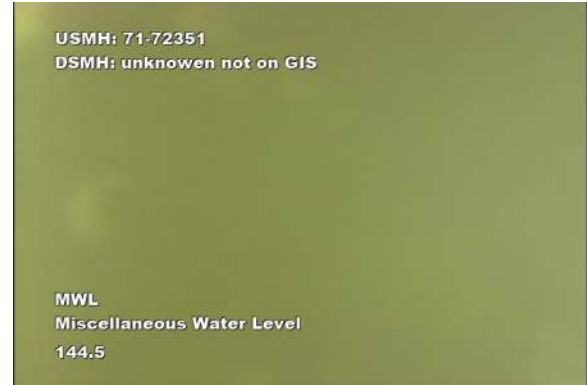
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Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-074842	Ann Arbor	N University ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-72351			Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71320	215.5		8		



Distance:	127.8 ft	Grade:
Conditions:	Miscellaneous Material Change	
Remarks:	PVC	



Distance:	144.5 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



Distance:	215.5 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	71-71320	

*Indicates required field



Defect Listing

Pipe Segment Reference 74-71485	City* Ann Arbor	Street* N University Ave	Material* Vitrified Clay Pipe	Location Code	Pipe Use Sanitary Sewage
Upstream MH* 71-71320	Total Length 63	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 71-073107	Length surveyed 58.2	Year Renewed	Height* 10	Width*	Pipe Joint

SPR 4	MPR 0	PO Number		Customer	
SPRI 4	MPRI 0	Work Order Number		Purpose	
QSR 4100	QMR 0000				
OPR 4	Surveyed By* SetupAdmin	Direction* Upstream	Date* 6/27/2023 9:30:54 AM	Media label	
OPRI 4	Certificate Number* kneppertrain	Pre-Cleaning No Pre-Cleaning	Time 6/27/2023 9:31:40 AM	Weather	
Date Cleaned			End Time 6/27/2023 9:41:56 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 71-073107									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
2.4	Tap Break-in/Hammer		4			<input type="checkbox"/>	2		
55.7	Broken Pipe					<input type="checkbox"/>	7	6	4
58.2	Access Point Manhole					<input type="checkbox"/>			
Remarks: 71-71320									

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference 74-71485	City* Ann Arbor	Street* N University Ave	Material* Vitrified Clay Pipe	Location Code	Pipe Use Sanitary Sewage
Upstream MH* 71-71320	Total Length 63	Year Constructed	Shape* Circular	Location Details	
Downstream MH* 71-073107	Length surveyed 58.2	Year Renewed	Height* 10	Width*	Pipe Joint
SPR 4	MPR 0	PO Number		Customer	
SPRI 4	MPRI 0	Work Order Number		Purpose	
QSR 4100	QMR 0000				
OPR 4	Surveyed By* SetupAdmin	Direction* Upstream	Date* 6/27/2023 9:30:54 AM	Media label	
OPRI 4	Certificate Number* kneppertrain	Pre-Cleaning No Pre-Cleaning	Time 6/27/2023 9:31:40 AM	Weather	
Date Cleaned			End Time 6/27/2023 9:41:56 AM	Additional Info	

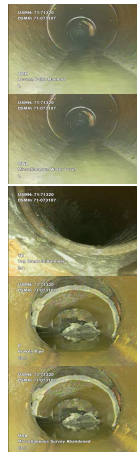
0 ft Access Point Manhole

0 ft Miscellaneous Water Level

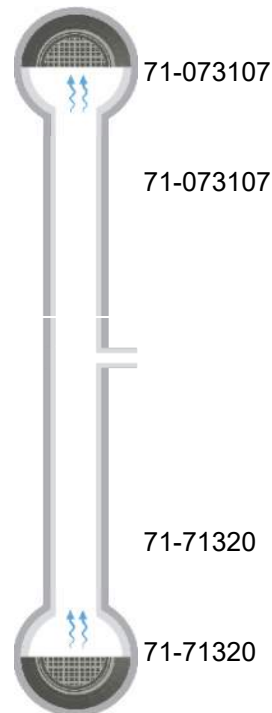
2.4 ft Tap Break-in/Hammer

55.7 ft Broken Pipe

58.2 ft Access Point Manhole



4



*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71485	Ann Arbor	N University Ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71320	63		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-073107	58.2		10		



Distance:	0 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	71-073107	

0 ft	0 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



Distance:	2.4 ft	Grade:
Conditions:	Tap Break-in/Hammer	
Remarks:		

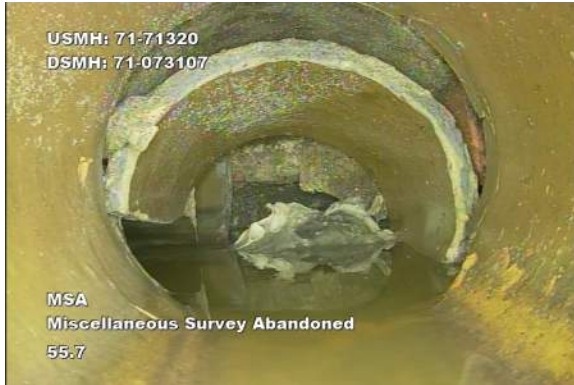
55.7 ft	55.7 ft	Grade:	4
Conditions:	Broken Pipe		
Remarks:			

*Indicates required field



Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71485	Ann Arbor	N University Ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71320	63		Circular		
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-073107	58.2		10		



Distance:	58.2 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	71-71320	

*Indicates required field



Defect Listing

Pipe Segment Reference 74-71466	City* Ann Arbor	Street* N University Ave	Material* Vitrified Clay Pipe	Location Code	Pipe Use Sanitary Sewage
Upstream MH* 69-075677	Total Length 337	Year Constructed	Shape* Circular	Location Details N University Ave	
Downstream MH* 71-71298	Length surveyed 335.7	Year Renewed	Height* 8	Width*	Pipe Joint

SPR 3	MPR 0	PO Number		Customer	
SPRI 3	MPRI 0	Work Order Number		Purpose	
QSR 3100	QMR 0000				
OPR 3	Surveyed By* Steve Pierce	Direction* Upstream	Date* 9/9/2024 10:10:54 AM	Media label	
OPRI 3	Certificate Number* training	Pre-Cleaning No Pre-Cleaning	Time 9/9/2024 10:11:19 AM	Weather	
Date Cleaned			End Time 9/9/2024 10:20:57 AM	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			

Remarks: 71-71298

0	Miscellaneous Water Level				5	<input type="checkbox"/>			
49.4	Tap Factory Made		4			<input type="checkbox"/>	10		
98.6	Tap Factory Made		4			<input type="checkbox"/>	10		
134.4	Tap Factory Made		4			<input type="checkbox"/>	10		
186.9	Tap Factory Made		4			<input type="checkbox"/>	10		
191.3	Tap Factory Made		6			<input type="checkbox"/>	12		
260.5	Tap Factory Made Capped		4			<input type="checkbox"/>	9		
302.1	Tap Factory Made		4			<input type="checkbox"/>	10		
304.5	Crack Multiple					<input type="checkbox"/>	3	6	3
335.7	Miscellaneous Survey Abandoned					<input type="checkbox"/>			

Remarks: pipe Abandoned

*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71466	Ann Arbor	N University Ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
69-075677	337		Circular	N University Ave	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71298	335.7		8		

SPR	MPR	PO Number		Customer	
3	0				
SPRI	MPRI	Work Order Number		Purpose	
3	0				
QSR	QMR				
3100	0000				
OPR	Surveyed By*	Direction*	Date*	Media label	
3	Steve Pierce	Upstream	9/9/2024 10:10:54 AM		
OPRI	Certificate Number*	Pre-Cleaning	Time	Weather	
3	training	No Pre-Cleaning	9/9/2024 10:11:19 AM		
Date Cleaned			End Time	Additional Info	
			9/9/2024 10:20:57 AM		

0 ft Access Point Manhole

0 ft Miscellaneous Water Level

49.4 ft Tap Factory Made

98.6 ft Tap Factory Made

134.4 ft Tap Factory Made

186.9 ft Tap Factory Made

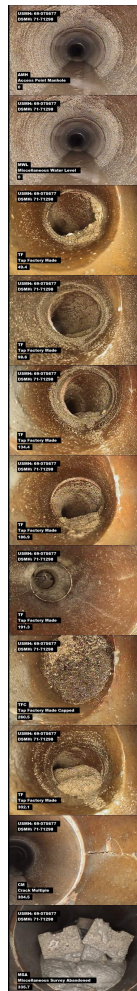
191.3 ft Tap Factory Made

260.5 ft Tap Factory Made Capped

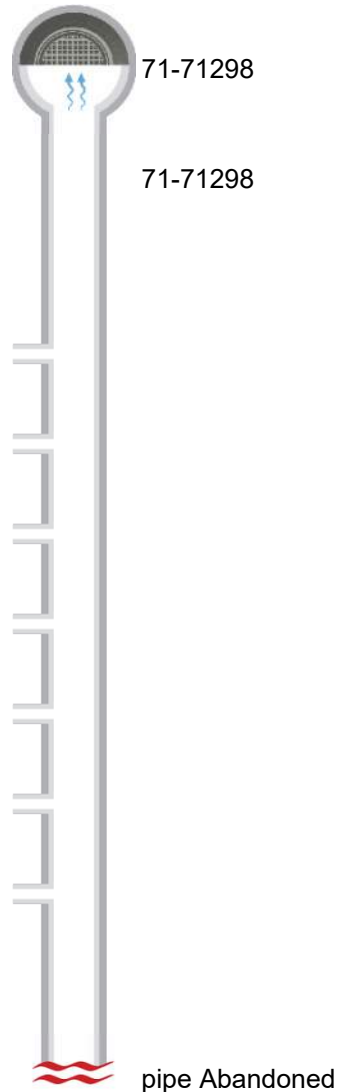
302.1 ft Tap Factory Made

304.5 ft Crack Multiple

335.7 ft Miscellaneous Survey Abandoned



3



*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference 74-71466	City* Ann Arbor	Street* N University Ave	Material* Vitrified Clay Pipe		Location Code	Pipe Use Sanitary Sewage
Upstream MH* 69-075677	Total Length 337	Year Constructed	Shape* Circular		Location Details N University Ave	
Downstream MH* 71-71298	Length surveyed 335.7	Year Renewed	Height* 8	Width*	Pipe Joint	



69-075677

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71466	Ann Arbor	N University Ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
69-075677	337		Circular	N University Ave	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71298	335.7		8		



Distance:	0 ft	Grade:
Conditions:	Access Point Manhole	
Remarks:	71-71298	

0 ft	0 ft	Grade:
Conditions:	Miscellaneous Water Level	
Remarks:		



Distance:	49.4 ft	Grade:
Conditions:	Tap Factory Made	
Remarks:		

98.6 ft	98.6 ft	Grade:
Conditions:	Tap Factory Made	
Remarks:		

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71466	Ann Arbor	N University Ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
69-075677	337		Circular	N University Ave	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71298	335.7		8		



Distance: 134.4 ft Grade:

Conditions: Tap Factory Made

Remarks:



186.9 ft 186.9 ft Grade:

Conditions: Tap Factory Made

Remarks:



Distance: 191.3 ft Grade:

Conditions: Tap Factory Made

Remarks:



260.5 ft 260.5 ft Grade:

Conditions: Tap Factory Made Capped

Remarks:

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71466	Ann Arbor	N University Ave	Vitrified Clay Pipe		Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
69-075677	337		Circular	N University Ave	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71298	335.7		8		



Distance:	302.1 ft	Grade:	
Conditions:	Tap Factory Made		
Remarks:			



Distance:	304.5 ft	Grade:	3
Conditions:	Crack Multiple		
Remarks:			



Distance:	335.7 ft	Grade:	
Conditions:	Miscellaneous Survey Abandoned		
Remarks:	pipe Abandoned		

*Indicates required field



Defect Listing

Pipe Segment Reference 74-71470	City* AA	Street* Fletcher St	Material* Vitrified Clay Pipe	Location Code Primary major	Pipe Use Sanitary Sewage
Upstream MH* 71-71305	Total Length 158	Year Constructed	Shape* Circular	Location Details Fletcher St	
Downstream MH* 71-71304	Length surveyed 160.3	Year Renewed	Height* 12	Width*	Pipe Joint

SPR 3	MPR 10	PO Number		Customer	
SPRI 3	MPRI 1.7	Work Order Number		Purpose	
QSR 3100	QMR 4121				
OPR 13	Surveyed By* steve pierce	Direction* Downstream	Date* 6/5/2025 9:46:55 AM		Media label
OPRI 1.9	Certificate Number* n.a	Pre-Cleaning Heavy Cleaning	Time 6/5/2025 9:49:10 AM		Weather
Date Cleaned			End Time 6/5/2025 9:56:58 AM		Additional Info

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0	Access Point Manhole					<input type="checkbox"/>			
Remarks: 71-71305									
0	Miscellaneous Water Level				5	<input type="checkbox"/>			
31.8	Joint Offset Medium					<input type="checkbox"/>			3
35.1	Line Right				5	<input type="checkbox"/>			1
50	Line Right				15	<input type="checkbox"/>			2
53.9	Line Left				5	<input type="checkbox"/>			1
67.7	Line Left				25	<input type="checkbox"/>			4
118.5	Line Left				10	<input type="checkbox"/>			1
128.6	Line Left				5	<input type="checkbox"/>			1
160.3	Access Point Manhole					<input type="checkbox"/>			

Remarks: 71-71304

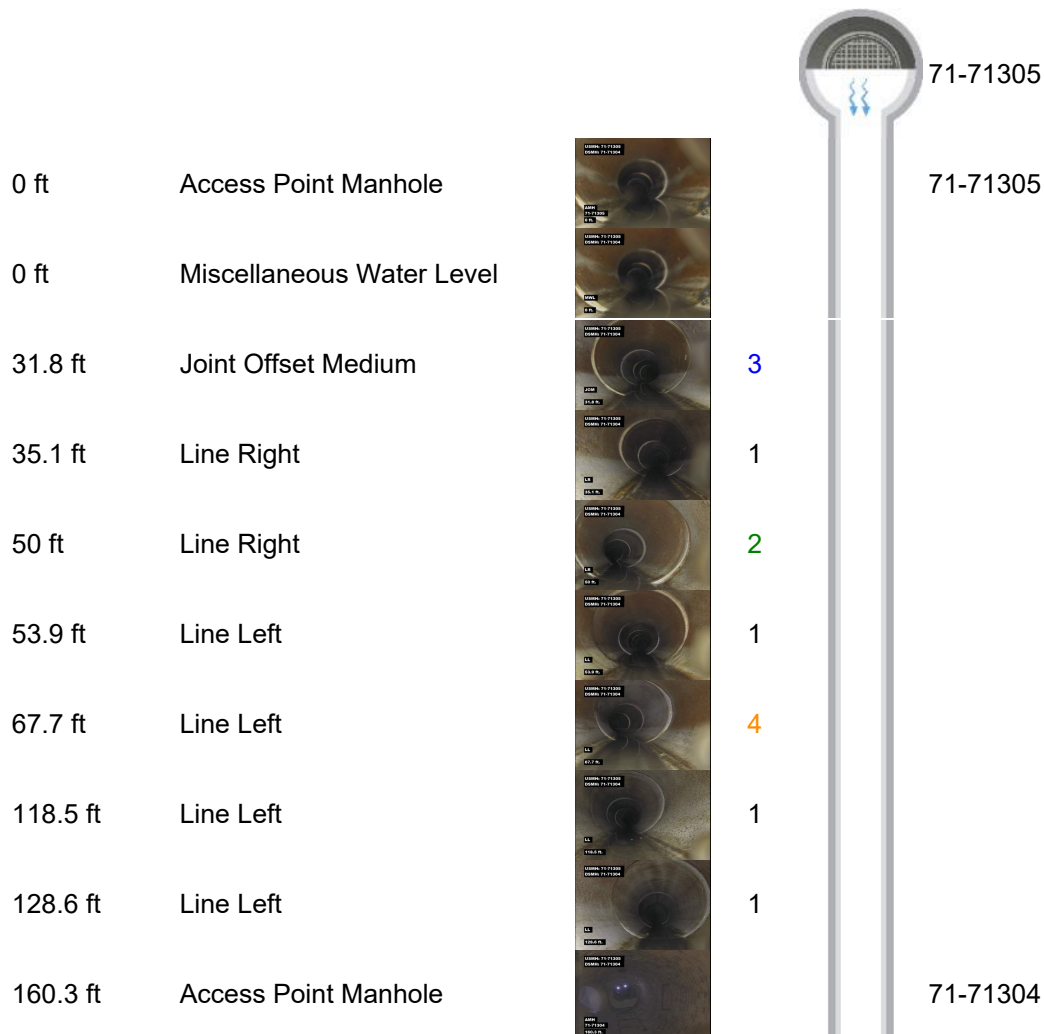
*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71470	AA	Fletcher St	Vitrified Clay Pipe	Primary major	Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71305	158		Circular	Fletcher St	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71304	160.3		12		

SPR	MPR	PO Number		Customer	
3	10				
SPRI	MPRI	Work Order Number		Purpose	
3	1.7				
QSR	QMR				
3100	4121				
OPR	Surveyed By*	Direction*	Date*	Media label	
13	steve pierce	Downstream	6/5/2025 9:46:55 AM		
OPRI	Certificate Number*	Pre-Cleaning	Time	Weather	
1.9	n.a	Heavy Cleaning	6/5/2025 9:49:10 AM		
Date Cleaned			End Time	Additional Info	
			6/5/2025 9:56:58 AM		



*Indicates required field



Defect Listing Plot With Images

Pipe Segment Reference	City*	Street*	Material*		Location Code	Pipe Use
74-71470	AA	Fletcher St	Vitrified Clay Pipe		Primary major	Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*		Location Details	
71-71305	158		Circular		Fletcher St	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint	
71-71304	160.3		12			



71-71304

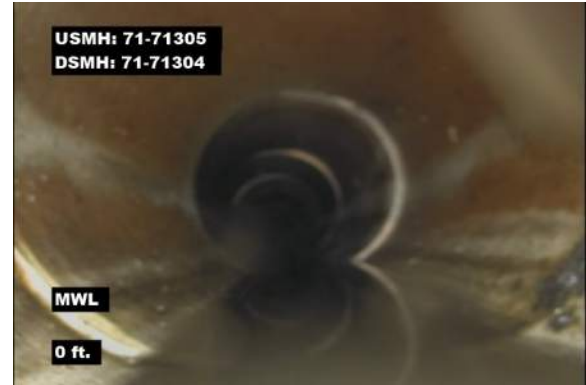
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Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71470	AA	Fletcher St	Vitrified Clay Pipe	Primary major	Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71305	158		Circular	Fletcher St	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71304	160.3		12		



Distance:	0 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	71-71305		



0 ft	0 ft	Grade:	
Conditions:	Miscellaneous Water Level		
Remarks:			



Distance:	31.8 ft	Grade:	3
Conditions:	Joint Offset Medium		
Remarks:			



35.1 ft	35.1 ft	Grade:	1
Conditions:	Line Right		
Remarks:			

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71470	AA	Fletcher St	Vitrified Clay Pipe	Primary major	Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71305	158		Circular	Fletcher St	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71304	160.3		12		



Distance:	50 ft	Grade:	2
Conditions:	Line Right		
Remarks:			



53.9 ft	53.9 ft	Grade:	1
Conditions:	Line Left		
Remarks:			



Distance:	67.7 ft	Grade:	4
Conditions:	Line Left		
Remarks:			



118.5 ft	118.5 ft	Grade:	1
Conditions:	Line Left		
Remarks:			

*Indicates required field

Image 4 Per Page

Pipe Segment Reference	City*	Street*	Material*	Location Code	Pipe Use
74-71470	AA	Fletcher St	Vitrified Clay Pipe	Primary major	Sanitary Sewage
Upstream MH*	Total Length	Year Constructed	Shape*	Location Details	
71-71305	158		Circular	Fletcher St	
Downstream MH*	Length surveyed	Year Renewed	Height*	Width*	Pipe Joint
71-71304	160.3		12		



Distance:	128.6 ft	Grade:	1
Conditions:	Line Left		
Remarks:			



160.3 ft	160.3 ft	Grade:	
Conditions:	Access Point Manhole		
Remarks:	71-71304		

*Indicates required field