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Addendum #3
Solicitation #24-99094
2023 Lead Water Service Replacement – Lower Lincoln Park (West)

NOTICE

This Addendum is issued to modify, explain or correct the original drawings, specifications and/or previous addenda and is hereby made a part of the Contract Documents.

CHANGES TO DRAWINGS

1. Sheets EC1 and EC2 are hereby issued and shall be considered part of the Contract Drawings as the project Stormwater Pollution Prevention Plan (SWPPP).

2. Pay items and references to "2" HDPE SDR 9 WATER MAIN" are hereby revised to "2" HDPE **SDR 11** WATER MAIN".

3. Pay Item 2504.603 1" HDPE SDR 9 SERVICE MAIN PIPE, INSTALLED BY PIPE BURSTING SANITARY LATERAL is hereby added to the SEQ and bid form as follows:

NOTES	LINE NUMBER	SPEC NUMBER	DESCRIPTION	UNIT	TOTAL EST-QUANTITY
	33A	2504.603	1" HDPE SDR 9 SERVICE MAIN PIPE, INSTALLED BY PIPE BURSTING SANITARY LATERAL	LIN FT	255

CHANGES TO SPECIAL PROVISIONS

1. SP-15.1.2 is hereby revised as follows:
    - Intermediate Completion Date #1: **no less than 40% of all services and 100% of the child care facility services** identified for replacement under this Contract at the time of bidding shall be substantially complete (including final paving and surfacing to re-open affected streets and sidewalks to permanent traffic) by **July 12, 2024**.

2. Delete **SP 33.2** in its entirety and replace with the following:
    - METHOD OF MEASUREMENT
        - Granular bedding shall be measured as the compacted volume as placed in the field and paid under item 2451.507 GRANULAR BEDDING at the contract bid price per cubic yard and shall include all costs for placing and compacting bedding material and removal and disposal of displaced material.

3. The third paragraph of SP-52.2 is hereby revised as follows:
    - Trenchless replacement on existing routes— methods such as pipe splitting using the existing water service line route.

        - The Contractor is advised that pulling by cable insertions has proven to be impractical for service lengths greater than approximately 12-ft.

4. **SP 64 (2504) <u>1" HDPE SDR 9 SERVICE PIPE, INSTALLED BY PIPE BURSTING SANITARY LATERAL</u>** is hereby added to the Special Provisions as follows:

SP-64 <u>(2504) 1" HDPE SDR 9 SERVICE PIPE, INSTALLED BY PIPE BURSTING SANITARY LATERAL</u>

SP-64.1 DESCRIPTION

This Work includes providing all labor, equipment, and materials required for the construction of a 1" HDPE SDR 9 service pipe placed by trenchless method(s) including trench excavation; excavation of all trenches and boring/receiving pits; placement of sheeting, shoring, and bracing as necessary; removal and restoration of concrete floor; core drilling through the building foundation wall and placement of wall sleeves to provide a waterproof penetration; pushing, pulling, and/or boring of service line; furnishing and installing all piping, fittings, adapters, and transition couplings; disposing of excavated material; removal of obstructions; disconnecting existing service piping; pressure testing and flushing the line; providing, placing, and compacting select and earthen backfill for piping and appurtenances; and connection of the new service to the internal building plumbing by a licensed plumber. Existing lead services are nominally 5/8-inch inside diameter and have been measured to be 1/2-inch in places.

SP-64.2 CONSTRUCTION REQUIREMENTS

This trenchless method includes, but is not limited to:

- Trenchless replacement on existing routes— methods such as pipe splitting, bursting, and/or pulling to replace the existing lead service with a new pipe using the existing sanitary service line route (lateral) as described below.
    - Where the suspected presence of bedrock is indicated in the Plans or where directed by the Engineer due to field conditions, the Contractor shall be prepared to utilize a trenchless method utilizing the inplace sanitary sewer service line to complete the water service replacement. In such cases, the work shall include fully replacing the sanitary service line. The sanitary service line must be fully replaced and connected to

the interior building sanitary plumbing system by a licensed plumber. Exterior to the building, the sanitary service must be connected from the house to the inplace sanitary main. The replaced sanitary service shall be HDPE SDR 21 colored solid black and shall be produced from resins meeting the requirements of ASTM D1248, designation PE3408, ASTM D3350 cell classification PE345444C, and will meet the requirements of AWWA C901 and C906. The replaced sanitary service diameter shall be not less than 4-inches in diameter and in no case shall a larger diameter service drain to a smaller service diameter. The replaced service shall be video inspected by the Contractor to verify the maintenance of continuous, straight profile grade and horizontal alignment. If continuous profile grade or horizontal alignment are not achieved, the Contractor shall replace any defects at the Contractor's expense. In instances where this method is used, the trenchless service pay length shall be measured as the distance from the house to the connection at the water main or to the connection at the sanitary main, whichever is greater. Excavation and removal of streets and walks shall be made per the contract pay items therefor corresponding to the service trench measurement as described.

- Additional pits for change in direction for any reason on the private lots shall be incidental, if required.
- The Contractor is expected to make multiple, good faith efforts to construct services by trenchless methods as needed at sites where this method is specified. Where it is determined that trenchless methods are not practicable, it will be deemed so by the Engineer due to a combination of the unsuccessful attempts made by the Contractor and a demonstrable, unforeseeable field condition that precludes the use of a trenchless method. Improper or insufficient equipment or construction methods will not be considered valid reasons for failing to construct services using trenchless methods.

The Contractor shall construct the service pipe in a location and manner to avoid damage to any existing utilities including private sewer services. The City of Duluth Construction Standards specification "2503/2504/2505 Horizontal Directional Drilling" shall apply.

No adjustment or modification to the contract price provided for 1" HDPE SDR 9 SERVICE PIPE, INSTALLED BY PIPE BURSTING SANITARY LATERAL shall be made regardless of the trenchless method(s) used. No measurement or compensation shall be made for failed trenchless methods or attempts.

SP-64.3 METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Payment will be under item number 2504.603 1" HDPE SDR 9 SERVICE PIPE, INSTALLED BY PIPE BURSTING SANITARY LATERAL per lineal foot (measured once in the horizontal plane along the centerline of the replaced water service) which shall be compensation in full for all labor, equipment, and materials required to complete the work.

RESPONSES TO BIDDER QUESTIONS

The following questions posed at the pre-bid on 1/11/24 are as follows:

1. **Question:** What methods are anticipated for obtaining access to the sanitary lateral to complete the televising?
    a. **Response:** As described in the Special Provisions, methods the Contractor may access the sanitary lateral include 1) a cleanout inside the building, 2) a cleanout outside of the building, 3) a lateral launch camera from inside the sewer main or 4) into a service pipe exposed in an excavation. The Contractor may also wish to consider, with the homeowner's permission, removing the existing house trap to access the lateral and providing the necessary repairs / restoration to match the pre-construction building condition and provide a pluming code compliant pipe repair with applicable plumbing permit. Regardless of method(s), no adjustment to contract prices or separate payment shall be made for the various method(s) used or attempts made.

2. **Question:** Can a separate pay item be provided for pipe bursting the sanitary lateral?
    a. **Response:** A separate pay item and special provisions are provided as part of this addendum.

3. **Question:** Will there be separate compensation for failed trenchless attempts? Who will make the call on when trenchless methods are not feasible?
    a. **Response:** Per the special provisions, no compensation will be made for failed trenchless attempts. The Engineer, with the Contractor's input, will determine the feasibility of trenchless method based on the observed field condition and attempts made.

4. **Question:** What parts / supplies is the City supplying? How will this work?
    a. **Response:** This is described in **SP-21**.

5. **Question:** Will additional pitchers be required for day care facilities?
    a. **Response:** If additional pitchers are determined to be needed, the City will supply the additional pitchers/filters.

6. **Question:** Are there any concerns regarding work on 27th Ave West with the TPI project and increased traffic / detour routes along this section?
    a. **Response:** No concerns at this time.

7. **Question:** Will a tribal monitor be required for work on the project?
    a. **Response:** If required, the City will be responsible for providing.

The following questions submitted to the City for the City's Lead Service Line Replacement (LSLR) project for the Gary Neighborhood (Solicitation 23-99774) and the City's responses thereto are relevant to this Lower Lincoln LSLR project and are provided as follows (note that some previous responses have been edited/revised, as needed):

1. **Question:** Is this Plumbing permit (exterior Water Line into House) pulled by the plumber or "us" as the Civil Pipe Layer and is this pulled through the engineering or building inspection departments?
    a. **Response:** the permit is obtained through the City's Construction Services & Inspection office and can be obtained by the General Contractor's representative (does not need to be a licensed plumber).

2. **Question:** City of Duluth MS4 Erosion & Sediment Control & Filling & Grading Permits: for these permits, do we need to apply per address similar to the electrical and plumbing permits, or is this on a project basis? This is a little grey under MPCA rules. If this is not on a project basis, does the MPCA have to be notified with a NPDES permit approved and accompanying SWPPP? Who will be generating the SWPPP? Please provide a cost for this/these permits.

    a. **Response:**
        i. The **City of Duluth MS4 & Sediment Control p**ermit shall be obtained by the Contractor and shall be applied for on a project basis (one application). A Fill/Grading Permit is not required. The City will waive the fees for these permits.
        ii. **An MPCA General Stormwater Permit** is required and shall be obtained by the Contractor. The permit application and fee are the responsibility of the Contractor. The project SWPPP is issued with this addendum.

3. **Question:** Obstruction Permit - As this ties into traffic control, will this be required? If so, what is the cost associated with this?
    a. **Response:** An obstruction permit is not required. However, the Contractor will be expected to coordinate with the inspector on site to provide a weekly update of where the work is occurring and where delays, obstructions are occurring within the right-of-way for Engineering's public coordination.

4. **Question:** Could you kindly provide information on the current water pressure in the Gary Neighborhood? Additionally, if there are houses within the scope of the bid with water pressure exceeding 80, could you specify the number of such properties?
    a. **Response:** Refer to the hydrant pressure information provided as Supplemental Information.

5. **Question:** We would like clarification on whether the city requires a full-time plumber on-site throughout the project. Specifically, we are interested in understanding if a plumber needs to be available for calls at any time during the project's duration.

a. **Response:** The General Contractor is responsible for scheduling the work with the licensed plumber to be on site as needed to complete the water service connection in the house. However, and especially where the Contractor anticipates completing the service connection(s) later or at the end of any given day, the special provision notes that the plumber must be available until at least 7 p.m. to complete the connection to minimize the disruption to the resident due to the water outage and to minimize the need for a temporary water connection(s).

6. **Question:** If a corporation is not located as located by the city, will any additional expenses related to saw cutting and downtime be covered by the City of Duluth (COD)?
    b. **Response:** If the provided locate is off by more than 2-ft, the City will consider payment for extra work.

7. **Question:** Concerning liquidated damages (LDs), will the daily penalty be calculated based on the original contract amount or the remaining amount left on the contract? If the original contract amount is used this will likely be $2500 per day…St. Cloud was only at a $500 per day LD with 70 less sites and 2 extra months of working weather time. Per MnDOT 1807.1-1 – original contract amount.
    c. **Response:** Liquidated damages shall be assessed based on the contract value per MnDOT 1807.1.

8. **Question:** If all available means to gain access to a property have been exhausted, and the property owner remains uncooperative or denies access while work is in progress nearby, will additional mobilization expenses be compensated if the work needs to be revisited later?
    d. **Response:** More than 95% of homeowners have signed and provided an agreement for the work to occur. The Contractor will be expected to make and document at least (3) outreach attempts to arrange and schedule the work due to expected variations in homeowner work schedules, life events, etc. At that point, if no response is received, the City will make at least (1) more outreach attempt before declaring the homeowner non-responsive.

9. **Question:** Could we please obtain a copy of the house documentation form that the city is requesting us to submit for each property?
    e. **Response:** A representative homeowner agreement is provided with this addendum.

10. **Question:** Is it intended to specify that all saw cuts must be re-sawed before restoration as per SP-23.1 note 2?
    f. **Response:** The intent is that pavement restoration shall be provided against a straight, clean, and undamaged sawcut line (edge). If the pavement edge is raveled, undermined, or damaged, the Contractor is required to re-saw the pavement to provide a clean edge to complete the restoration.

11. **Question:** Will the city be responsible for verifying the functionality of all valves prior to beginning construction?
    g. **Response:** The City is responsible for the actuating and closing all mainline water valves if or as required.

12. **Question**: In SP 50.1 regarding pressure testing of water lines, please confirm that a Visual leak inspection is required, not a pressure test.
    h. **Response:** Per City Standard specification services shall be tested for pressure and leakage by inspection of all exposed joints while under system pressure.

13. **Question:** Clarification is needed regarding the decision-making authority of inspectors versus engineers, and whether downtime compensation or time extensions will be granted when awaiting decisions from the city engineer.
    i. **Response:** The Contractor is directed to Division I of the MnDOT Standard Specifications including, but not limited to, MnDOT 1403, 1501, 1509, and 1510.

14. **Question:** If the Contractor's operations result in drilling fluid filling an adjacent sanitary service who is responsible for cleanup / repairs?
    j. **Response:** The contractor will be responsible for restoration of damage caused by drilling, pulling pipe, or drilling equipment to yards, buildings, surrounding streets, etc. at no cost to the City.

15. **Question:** if the water main is deeper than expected, will additional compensation be provided for excavation, removals, and restoration.
    k. Response: No modification to pay limits or unit prices shall be made for water mains encountered with depths of cover less than or equal to 10-ft (measured from existing ground to the top of main).

SUPPLEMENTAL INFORMATION

The following information is hereby provided for the Contractor's consideration:

1. **02_2081 Sanitary MH Depths & Hydrant Pressure.pdf** – for the Contractor's consideration to determine the approximate depth of sanitary mains but subject to variations in existing ground line elevation. Includes available hydrant pressure data.
2. **03_2081 Sanitary House Trap List.pdf**
3. **04_City Sample Agreement 10 E McGonagle St.pdf** – a copy of a representative Homeowner Agreement for the project.

Please acknowledge receipt of this Addendum by checking the acknowledgement box within the www.bidexpress.com solicitation.

Posted: **January 18, 2024**

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STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE

1. GENERAL

THE MINNESOTA POLLUTION CONTROL AGENCY (MPCA) REGULATES STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY DISTURBING LAND EQUAL TO OR GREATER THAN ONE ACRE THROUGH A GENERAL STORMWATER PERMIT (PERMIT NO. MN R100001) AUTHORIZING THE DISCHARGE OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY TO WATERS OF THE STATE IN COMPLIANCE WITH THE CLEAN WATER ACT AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM/STATE DISPOSAL SYSTEM (NPDES/SDS) PROGRAM. THE GENERAL PERMIT (PERMIT) REQUIRES THE DEVELOPMENT AND IMPLEMENTATION OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE SWPPP IS A COMBINATION OF NARRATIVE, CALCULATIONS, PLANS SHEETS, AND STANDARD DETAIL SHEETS THAT ADDRESS THE FORESEEABLE CONDITIONS AT ANY STAGE IN THE CONSTRUCTION OR POST-CONSTRUCTION ACTIVITIES.

THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING TEMPORARY BMPs AT EACH PROJECT SITE TO MANAGE CONSTRUCTION STORMWATER AND TO PREVENT THE DISCHARGE OF SEDIMENT LADEN STORMWATER TO "WATERS OF THE STATE".

UNLESS A SPECIFIC PAYMENT ITEM(S) ARE PROVIDED THEREFORE, ALL WORK TO COMPLY WITH THE NPDES STORMWATER PERMIT SHALL BE CONSIDERED INCIDENTAL WITH NO SEPARATE PAYMENT THEREFOR.

2. GENERAL AND ADMINISTRATIVE REQUIREMENTS

A. RESPONSIBLE PARTIES: THE OWNER AND GENERAL CONTRACTOR (OPERATOR)(CONTRACTOR) ARE CO-PERMITTEES OF THE PERMIT AND ARE JOINTLY RESPONSIBLE FOR COMPLIANCE WITH TERMS AND CONDITIONS OF THE PERMIT. OBTAIN AND REVIEW THE PERMIT AND COMPLY WITH PERMIT SECTIONS 3, 4, 6-24 (PERMIT PART 3.5). VERIFY THAT PERMIT REQUIREMENTS ARE SATISFIED AND COMPLETE THE BLANKS ON THIS SWPPP SHEET(S).

B. PERMIT APPLICATION (PERMIT ITEM 3.2): THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE OWNER, COMPLETING THE PERMIT APPLICATION ON-LINE, AND PAYING THE APPLICATION FEE. APPLY ON-LINE AT THE MPCA CONSTRUCTION STORM WATER WEBSITE: https://www.pca.state.mn.us/water/construction-stormwater.

C. PERMIT COVERAGE (PERMIT ITEMS 3.3, 3.4): FOR PROJECTS THAT DISTURB LESS THAN 50 ACRES OR DO NOT DISCHARGE STORMWATER WITHIN 1 MILE (AERIAL RADIUS MEASUREMENT FROM PROJECT BOUNDARIES) OF A SPECIAL OR IMPAIRED WATER, PERMIT COVERAGE TYPICALLY BECOMES EFFECTIVE UPON ON-LINE APPLICATION AND COMPLETION OF THE PAYMENT PROCESS.

FOR PROJECTS THAT DISTURB 50 ACRES OR MORE AND DISCHARGE STORMWATER WITHIN 1 MILE OF A SPECIAL OR IMPAIRED WATER, THE COMPLETE SWPPP MUST BE SUBMITTED TO THE MPCA AT LEAST 30 DAYS BEFORE THE START OF CONSTRUCTION. CONSTRUCTION MAY BEGIN AFTER ON-LINE APPLICATION, COMPLETION OF THE PAYMENT PROCESS, AND, AFTER RECEIVING A DETERMINATION LETTER FROM THE MPCA THAT REVIEW OF THE SWPPP IS COMPLETE. IF THE MPCA FAILS TO CONTACT PERMITTEES WITHIN 30 DAYS OF APPLICATION RECEIPT, COVERAGE IS EFFECTIVE 30 DAYS AFTER COMPLETING THE PAYMENT PROCESS.

* DOES THE PROJECT DISTURB 50 ACRES OR MORE? NO
* DOES THE PROJECT DISCHARGE WITHIN 1-MILE OF A SPECIAL (PERMIT ITEM 23.3-23.6) OR IMPAIRED WATER (PERMIT ITEM 23.7)? YES

IF "YES" FOR BOTH OF THE ABOVE, SUBMIT THE ONLINE APPLICATION, PAYMENT, AND THE COMPLETE SWPPP (SWPPP AND PLAN SHEETS IT REFERENCES, STORMWATER REPORT, AND SITE ASSESSMENTS FOR GROUNDWATER AND SOIL CONTAMINATION), AT LEAST 30 DAYS BEFORE THE START OF CONSTRUCTION.

DO NOT BEGIN LAND DISTURBING CONSTRUCTION ACTIVITIES UNTIL PERMIT COVERAGE IS EFFECTIVE. THE START OF ANY LAND DISTURBING ACTIVITIES SIGNIFIES THAT THE CONTRACTOR IS ASSUMING RESPONSIBILITY FOR PERMIT COVERAGE AND HAS COMPLIED WITH PERMIT REQUIREMENTS.

D. NOTIFICATION OF COVERAGE (PERMIT ITEM 3.6): THE CONTRACTOR WILL RECEIVE A NOTIFICATION OF COVERAGE FROM THE MPCA (E.G., VIA EMAIL). KEEP OR POST A COPY OF THE NOTIFICATION OF COVERAGE WITH THE SWPPP AT THE PROJECT SITE. PROVIDE COPIES TO THE OWNER AND LHB.

E. CHANGE OF COVERAGE FOR NEW OWNER OR NEW OPERATOR (PERMIT ITEMS 3.7, 3.8): FOR A NEW OWNER OR OPERATOR, THE CURRENT OWNER, AND NEW OWNER OR OPERATOR, MUST SUBMIT A "NOTICE OF TERMINATION/PERMIT MODIFICATION FORM" PRIOR TO THE NEW OWNER OR OPERATOR COMMENCING CONSTRUCTION ACTIVITY, NO LATER THAN 30 DAYS AFTER PROPERTY OWNERSHIP TRANSITION. THIS FORM IS AVAILABLE AT THE ABOVE MPCA WEBSITE.

F. TERMINATION OF COVERAGE (PERMIT SECTION 4): THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE OWNER AND TERMINATING PERMIT COVERAGE BY COMPLETING AND SUBMITTING A "NOTICE OF TERMINATION/PERMIT MODIFICATION FORM" (NOT) TO THE MPCA AFTER ALL OF THE CONDITIONS OF PERMIT ITEM 4.4 AND 4.5 ARE SATISFIED. PROVIDE, TO OWNER, PHOTOS OF THE SITE SUBMITTED TO THE MPCS WITH THE NOT.

G. RECORD RETENTION AND AVAILABILITY (PERMIT SECTION 20): THE CONTRACTOR SHALL KEEP A COPY OF THE SWPPP, INCLUDING ALL CHANGES, AND INSPECTIONS AND MAINTENANCE RECORDS ON SITE OR ELECTRONICALLY AVAILABLE ON-SITE DURING NORMAL WORKING HOURS DURING CONSTRUCTION PER PERMIT SECTION 20. THIS DOCUMENTATION MUST BE KEPT ON FILE FOR 3 YEARS AFTER SUBMITTAL OF THE NOTICE OF TERMINATION. COORDINATE TRANSFER OF THIS DOCUMENTATION TO THE OWNER AT PROJECT COMPLETION.

H. CHANGES (AMENDMENTS) TO SWPPP (PERMIT SECTION 6): UPDATE AND DOCUMENT CHANGES WITHIN 7 DAYS TO THE SWPPP DURING CONSTRUCTION PER PERMIT SECTION 6. KEEP DOCUMENTATION WITH THE SWPPP (E.G., "THE REASON INLET PROTECTION WAS REMOVED FROM INLET 23 WAS DUE TO STREET FLOODING/FREEZING CONCERNS, AS ALLOWED BY PERMIT ITEM 9.8.").

3. CONSTRUCTION ACTIVITY REQUIREMENTS

A. GENERAL: COMPLY WITH THE PERMIT AND SWPPP AND THE REQUIREMENTS OF THE PERMIT. THE BEST MANAGEMENT PRACTICES (BMPS) IDENTIFIED IN THE SWPPP AND PERMIT MUST BE SELECTED, INSTALLED, AND MAINTAINED IN AN APPROPRIATE AND FUNCTIONAL MANNER IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS, MANUFACTURER RECOMMENDATIONS, AND ACCEPTED ENGINEERING PRACTICES.

B. EROSION PREVENTION PRACTICES (PERMIT SECTION 8): BEFORE WORK BEGINS, DELINEATE THE LOCATION OF AREAS NOT TO BE DISTURBED (E.G., BUFFERS).

WHEN STEEP SLOPES MUST BE DISTURBED, USE TECHNIQUES SUCH AS PHASING AND STABILIZATION PRACTICES DESIGNED FOR STEEP SLOPES (E.G., SLOPE DRAINING, TERRACING).

WHEN CONSTRUCTION ACTIVITY WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS (7 DAYS FOR SPECIAL AND IMPAIRED WATERS, SEE SECTION23), STABILIZE EXPOSED SOIL AREAS (INCLUDING STOCKPILES) IMMEDIATELY, AND COMPLETE THE STABILIZATION NO LATER THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY HAS CEASED (NO LATER THAN 7 DAYS FOR SPECIAL OR IMPAIRED WATERS AS DESCRIBED IN PERMIT SECTION 23). AMEND SWPPP BY INDICATING THE LOCATION OF AREAS WHERE CONSTRUCTION WILL BE PHASED TO MINIMIZE DURATION OF EXPOSED SOIL AREAS (E.G., STEEP SLOPE AREAS).

PLAN FOR AND IMPLEMENT CONSTRUCTION PRACTICES TO SATISFY THE ABOVE AND ALL CONDITIONS OF PERMIT SECTION 8.

C. SEDIMENT CONTROL PRACTICES & TEMPORARY SEDIMENT BASINS (PERMIT SECTIONS 9 AND 14): BEFORE ANY LAND DISTURBING ACTIVITY BEGINS, ESTABLISH SEDIMENT CONTROL BMPS ON ALL DOWNGRADIENT AREAS OF THE SITE THAT DRAIN TO ANY SURFACE WATERS, INCLUDING BUT NOT LIMITED TO, CURB AND GUTTER SYSTEMS, STORM SEWER INLETS, DITCHES. BMPS MUST BE LOCATED UPGRADIENT OF ANY BUFFER ZONES AND MUST REMAIN IN PLACE UNTIL PERMANENT COVER IS ESTABLISHED FOR THE AREA DRAINING TO IT.

FOR CONSTRUCTION AREAS THAT DRAIN TOWARDS ADJACENT SURFACE WATERS, PRESERVE A 50 FOOT NATURAL BUFFER (100 FOOT FOR SPECIAL OR IMPAIRED WATERS AS DESCRIBED IN PERMIT SECTION 23), OR PROVIDE REDUNDANT PERIMETER SEDIMENT CONTROLS. IF PRESERVING A BUFFER IS INFEASIBLE, DOCUMENT THIS DETERMINATION AND THE SUBSTITUTE BMPS IN THE SWPPP PER PERMIT ITEM 9.17.

PLAN FOR AND IMPLEMENT CONSTRUCTION PRACTICES TO SATISFY THE ABOVE AND ALL CONDITIONS OF PERMIT SECTION 9 AND 14.

D. DEWATERING AND BASIN DRAINING (PERMIT SECTION 10): COMPLY WITH SECTION 10 OF THE PERMIT.

E. INSPECTIONS AND MAINTENANCE (PERMIT SECTION 11): COMPLY WITH SECTION 11 OF THE PERMIT.

F. POLLUTION PREVENTION MANAGEMENT MEASURES (PERMIT SECTION 12): COMPLY WITH SECTION 12 OF THE PERMIT. AMEND SWPPP BY INDICATING THE LOCATION OF POTENTIAL POLLUTANT GENERATING ACTIVITIES ON SITE MAPS FOR THE DURATION OF CONSTRUCTION PER PERMIT SECTION 5.9.

4. SWPPP RESPONSIBILITIES/TRAINED INDIVIDUALS

A. THE CONTRACTOR WILL OVERSEE SWPPP IMPLEMENTATION, REVISE AND AMEND THE SWPPP, AND PERFORM INSPECTIONS. THE FOLLOWING CONTRACTOR REPRESENTATIVE IS TRAINED TO PERFORM THESE DUTIES AND WILL ASSUME THESE RESPONSIBILITIES (PERMIT ITEMS 5.20, 21.2.b):

NAME: _____

TRAINING DATE/INSTRUCTOR/ENTITY: _____

TRAINING CONTENT/HOURS: _____

B. THE CONTRACTOR WILL SUPERVISE THE INSTALLATION, MAINTENANCE AND REPAIR OF BMPS BEFORE AND DURING CONSTRUCTION. THE FOLLOWING CONTRACTOR REPRESENTATIVE IS TRAINED TO PERFORM THESE DUTIES AND WILL ASSUME THESE RESPONSIBILITIES (PERMIT ITEMS 5.20, 21.2.c):

NAME: _____

TRAINING DATE/INSTRUCTOR/ENTITY: _____

TRAINING CONTENT/HOURS: _____

C. PERSON KNOWLEDGEABLE AND EXPERIENCED IN THE APPLICATION OF EROSION PREVENTION AND SEDIMENT CONTROL BMPS WHO WILL COORDINATE WITH CONTRACTORS, SUBCONTRACTORS, AND OPERATORS ON-SITE TO OVERSEE IMPLEMENTATION OF THE SWPPP (PERMIT ITEM 5.21)(TYPICALLY GENERAL CONTRACTOR):

NAME/TITLE: _____

D. CHAIN OF RESPONSIBILITY: THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL SWPPP IMPLEMENTATION ON THE CONSTRUCTION SITE AND IS ACCOUNTABLE FOR SUBCONTRACTORS AND OTHER CONTRACTORS WORKING ON SITE AND THEIR COMPLIANCE WITH THE GENERAL STORMWATER PERMIT AND SWPPP REQUIREMENTS.

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE: _____ BRAD SCOTT (TYPE NAME) DATE: 1/18/2024 LIC. NO: 46198

CITY OF DULUTH
ENGINEERING DIVISION
411 W. 1ST ST. STE. 211
DULUTH, MN 55802

2023 LEAD WATER SERVICE REPLACEMENT – PHASE 3
LOWER LINCOLN PARK AND CHILDCARE PROVIDERS DULUTH, MN

CITY PROJECT NO.: 2081 | STATE AID PROJECT NO.: NA

DRAWN BY: JDO
SWPPP
SHEET NO. EC1 OF EC2

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STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE (CONTINUED)

5. REGULATORY AGENCIES AND PERMITS
   A. COMPLY WITH REQUIREMENTS OF ALL REGULATORY AGENCIES AND PERMITS HAVING JURISDICTION DURING CONSTRUCTION ACTIVITIES.

6. DESCRIPTION OF THE CONSTRUCTION ACTIVITY / SWPPP COMPONENTS
   A. NARRATIVE/TIMING (PERMIT ITEM 5.4):
      1) PROJECT SUMMARY: THE PROJECT INVOLVES THE REPLACEMENT OF LEAD WATER SERVICE LINES IN THE LOWER LINCOLN PARK AND LAKESIDE NEIGHBORHOODS AT APPROXIMATELY 183 INDIVIDUAL RESIDENTIAL LOCATIONS AND 18 CHILD CARE FACILITIES.
         a. DEWATERING ACTIVITIES.
         b. STREETS, CURB AND GUTTER, AND SIDEWALK CONSTRUCTION.
         c. CONSTRUCTION OF OTHER UTILITIES (E.G. DRINKING WATER AND SANITARY SEWER).
         d. SURFACE RESTORATION AND TURF STABILIZATION.

      2) TIMING FOR INSTALLATION OF EROSION & SEDIMENTATION BMPS AND PERMANENT STORMWATER MANAGEMENT SYSTEMS, IN GENERAL SEQUENTIAL ORDER FROM FIRST TO LAST (PERMIT ITEM 5.4):
         a. INLET PROTECTION FOR EXISTING INLETS / SILT FENCE / DELINEATION AREAS NOT TO BE DISTURBED / ROCK CONSTRUCTION ENTRANCE / TEMPORARY SEDIMENTATION BASIN: PROVIDE PRIOR TO CONSTRUCTION; MAINTAIN DURING CONSTRUCTION.
         b. SILT FENCE AROUND STOCKPILES: PROVIDE DURING CONSTRUCTION.
         c. PORTABLE SEDIMENT CONTAINMENT SYSTEMS FOR TREATING WATER FROM DEWATERING OPERATIONS : PROVIDE DURING CONSTRUCTION.
         d. INLET PROTECTION FOR NEW INLETS: PROVIDE AS CONSTRUCTED.
         e. OIL-GRIT PRETREATMENT UNITS
         f. HARD SURFACING (E.G., BUILDING ROOFS, PAVEMENTS)
         g. VEGETATIVE COVER / EROSION CONTROL BLANKETS: AFTER FINAL TOPSOIL PLACEMENT AND FINISH GRADING.
         f. INFILTRATION AND FILTRATION BASINS
         g. REMOVAL OF TEMPORARY BMPS: AFTER FINAL STABILIZATION IS ESTABLISHED.

      3) IMPERVIOUS SURFACE AREAS / WATER QUALITY VOLUME:
         a. PRE-CONSTRUCTION IMPERVIOUS (PERMIT ITEM 5.8): 0.5 ACRES
         b. POST-CONSTRUCTION IMPERVIOUS (PERMIT ITEM 5.8): 0.5 ACRES
         c. NET NEW IMPERVIOUS: 0.0 ACRES
         d. WATER QUALITY VOLUME: NA CUBIC FEET
         e. ACTUAL WATER QUALITY VOLUME RETAINED ON-SITE / METHOD OF RETENTION: NA CUBIC FEET / INFILTRATION
         f. THE REASON THE FULL WATER QUALITY VOLUME CANNOT BE INFILTRATED (PER PERMIT ITEM 5.15): NA
         g. REMAINDER OF WATER QUALITY VOLUME AND ALTERNATIVE TREATMENT METHOD: NA

      4) CHEMICALS AND CHEMICAL TREATMENT SYSTEMS USED FOR ENHANCING THE ON-SITE SEDIMENTATION PROCESS AND HOW COMPLIANCE WILL BE ACHIEVED (PERMIT ITEM 5.22): NA

      5) PER PERMIT ITEM 5.13, DOCUMENTATION OF INFEASIBILITY FOR:
         a. TEMPORARY SEDIMENT BASIN (PERMIT PART 14.10): NA
            ALTERNATIVE (PERMIT ITEM 5.14): NA
         b. OBTAINING RIGHT-OF-WAY FOR PERMANENT STORMWATER MANAGEMENT SYSTEMS OF LINEAR PROJECTS: NA
         c. BUFFER ZONES (PERMIT ITEMS 9.17 AND 23.11): NA

      6) STORMWATER MITIGATION MEASURES IDENTIFIED IN ENVIRONMENTAL REVIEW OR OTHER REQUIRED REVIEW (PERMIT ITEM 5.16): NA

   B. STORMWATER REPORT (PERMIT ITEM 5.6): NA

   C. SITE ASSESSMENTS FOR GROUNDWATER OR SOIL CONTAMINATION (PERMIT ITEM 5.25): NA

   D. PLAN SHEETS:
      1) SWPPP (PERMIT ITEM 5.2): THIS SHEET(S), INCLUDING DOCUMENTATION DESCRIBED AND REFERENCED HEREIN.
      2) TEMPORARY BMPS / ESTIMATED QUANTITIES LOCATIONS OF AREAS NOT TO BE DISTURBED / SOIL TYPES (PERMIT ITEMS 5.3, 5.5, 5.7, 5.9): SEE SHEETS 8 AND 9-21, AND STANDARD DETAIL SHEETS.
      3) PERMANENT BMPS (PERMIT ITEM 5.3, 5.5): SEE SHEETS 22-24.
      4) EXISTING GRADES, DRAINAGE BOUNDARIES AND FLOW DIRECTIONS, DISCHARGE POINTS WHERE STORMWATER LEAVES THE SITE OR ENTERS SURFACE WATERS, AREAS OF STEEP SLOPES (PERMIT ITEM 5.9): SEE SHEETS 25-206.
      5) FINAL GRADES, DRAINAGE BOUNDARIES AND FLOW DIRECTIONS, DISCHARGE POINTS WHERE STORMWATER LEAVES THE SITE OR ENTERS SURFACE WATERS, AREAS OF STEEP SLOPES (PERMIT ITEM 5.9): SEE SHEETS 25-206.
      6) IMPERVIOUS SURFACING / METHODS OF FINAL STABILIZATION (PERMANENT COVER)(PERMIT ITEM 5.17): SEE SHEETS 25-206.
      7) MAP OF SURFACE WATERS, EXISTING WETLANDS AND STORMWATER PONDS/BASINS IDENTIFIABLE ON USGS 7.5 MIN. QUAD. MAPS, NWI MAP OR EQUIVALENT WITHIN 1 MILE OF SITE (AERIAL RADIUS MEASUREMENT FROM PROJECT BOUNDARIES) THAT RECEIVE RUNOFF FROM SITE DURING OR AFTER CONSTRUCTION (IDENTIFY SPECIAL AND IMPAIRED WATERS AND ANY APPROVED TMDLS)(PERMIT ITEMS 5.10, 5.19): NA
      8) FOR THE ABOVE SPECIAL OR IMPAIRED WATERS, DOCUMENTATION OF BMPS USED TO ADDRESS TMDL OR WLA REQUIREMENTS TO COMPLY WITH PERMIT SECTION 23: NA
      9) SITE MAP OF CONSTRUCTION ACTIVITY AREAS THAT ARE ADJACENT TO AND DRAIN TO MINNESOTA DEPARTMENT OF NATURAL RESOURCES (MDNR) PUBLIC WATERS PROMULGATED AS "WORK IN WATER RESTRICTIONS" DURING SPECIFIED FISH SPAWNING TIMES (PERMIT ITEM 5.11): NA
      10) METHODS TO PRESERVE TOPSOIL AND TOPSOIL PRESERVATION AREAS (PERMIT ITEM 5.24): NA
      11) METHODS TO MINIMIZE SOIL COMPACTION AND INFILTRATION AREAS TO BE PROTECTED FROM EXCESSIVE SOIL COMPACTION AND SEDIMENTATION (PERMIT ITEM 5.24): SEE SHEETS 25-206
      12) AREAS WHERE CONSTRUCTION WILL BE PHASED TO MINIMIZE THE DURATION OF EXPOSED SOILS (PERMIT ITEM 5.18): NA
      13) DELINEATION OF BUFFER ZONES (PERMIT ITEM 5.12): NA

   E. STANDARD DETAIL SHEETS: MnDOT STANDARD PLANS 5-297.405 IS HEREBY INCORPORATED BY REFERENCE. SHEETS 4 OF 8, 5 OF 8, AND 6 OF 8 SHALL APPLY. AVAILABLE AT: https://standardplans.dot.state.mn.us/

   F. MAINTENANCE PLAN: NA

7. STANDARDS SPECIFICATIONS FOR CONSTRUCTION:
   UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS, MATERIAL AND CONSTRUCTION REQUIREMENTS FOR TEMPORARY SEDIMENT CONTROL AND EROSION PREVENTION SHALL BE IN ACCORDANCE WITH THE MINNESOTA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, CURRENT EDITION.

8. CALCULATIONS AND OTHER INFORMATION USED FOR DESIGN OF TEMPORARY SEDIMENTATION BASINS AND PERMANENT STORMWATER TREATMENT SYSTEMS (PERMIT ITEM 5.6): NA

9. PROCEDURES TO ESTABLISH ADDITIONAL TEMPORARY BMPS, AS NECESSARY, DURING CONSTRUCTION (PERMIT ITEM 5.5):
   A. IF REGULAR INSPECTIONS OR OTHER OBSERVATIONS INDICATE THE NEED FOR ADDITIONAL TEMPORARY BMPS TO PREVENT EROSION, THEN PROVIDE ADDITIONAL BMPS BEFORE THE NEXT RAIN EVENT.
   B. THE CONTRACTOR SHALL PREPARE, PROVIDE, AND MAINTAIN CLEAR AND UPDATED SITE PLANS OF THE CURRENT TEMPORARY BMPS ON THE CONSTRUCTION PLAN SHEETS PROVIDED.
   C. AMEND THE SWPPP WITH ALL CHANGES TO THE SWPPP WITHIN 7 DAYS.

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

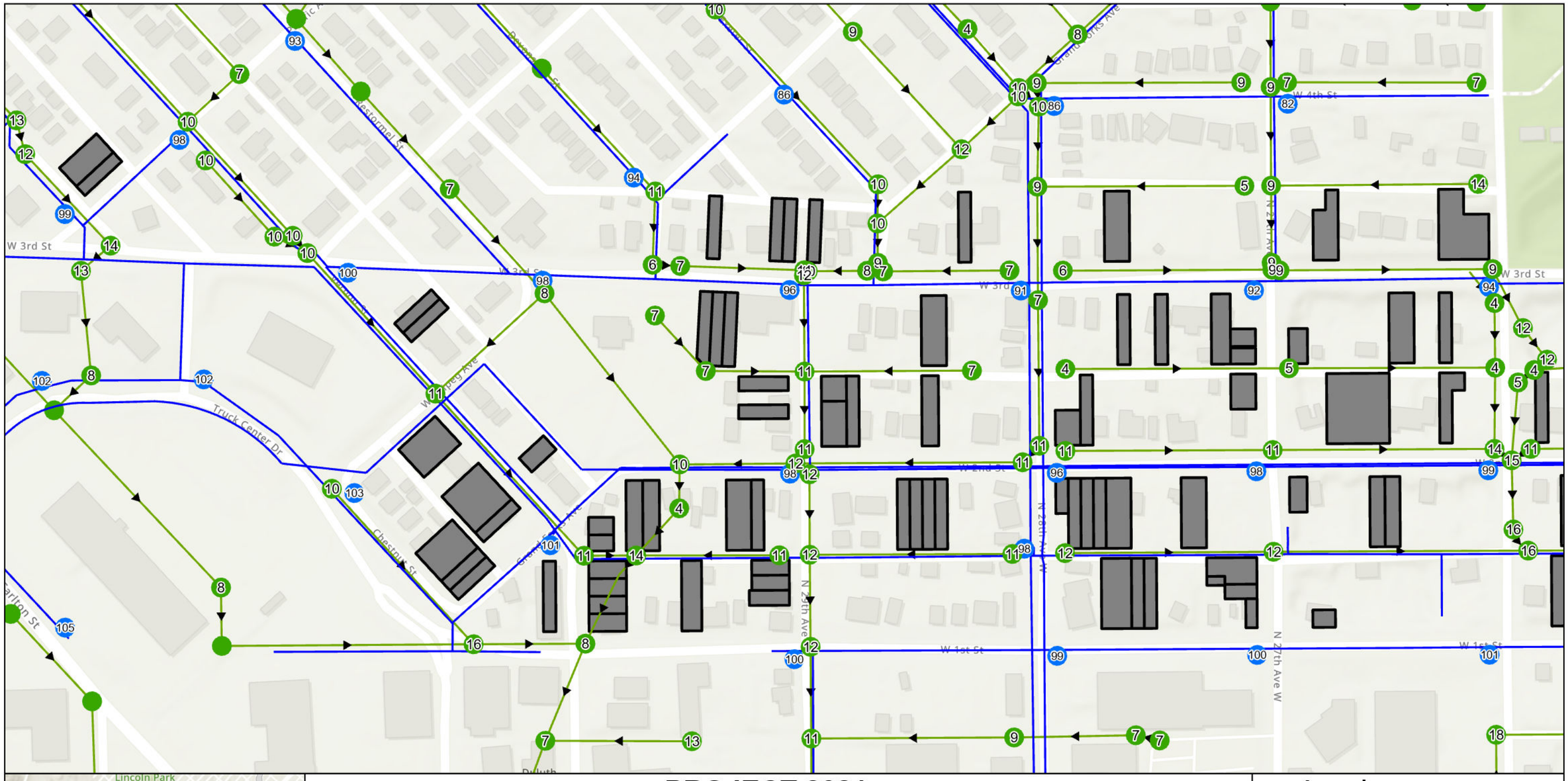
SIGNATURE: _____ BRAD SCOTT (TYPE NAME) DATE: 1/18/2024 LIC. NO: 46198

CITY OF DULUTH
ENGINEERING DIVISION
411 W. 1ST ST. STE. 211
DULUTH, MN 55802

2023 LEAD WATER SERVICE REPLACEMENT – PHASE 3
LOWER LINCOLN PARK AND CHILDCARE PROVIDERS DULUTH, MN

CITY PROJECT NO.: 2081 | STATE AID PROJECT NO.: NA

DRAWN BY: JDO
SWPPP
SHEET NO. EC2 OF EC2



PROJECT 2081
SANITARY MANHOLE DEPTH & HYDRANT PRESSURE

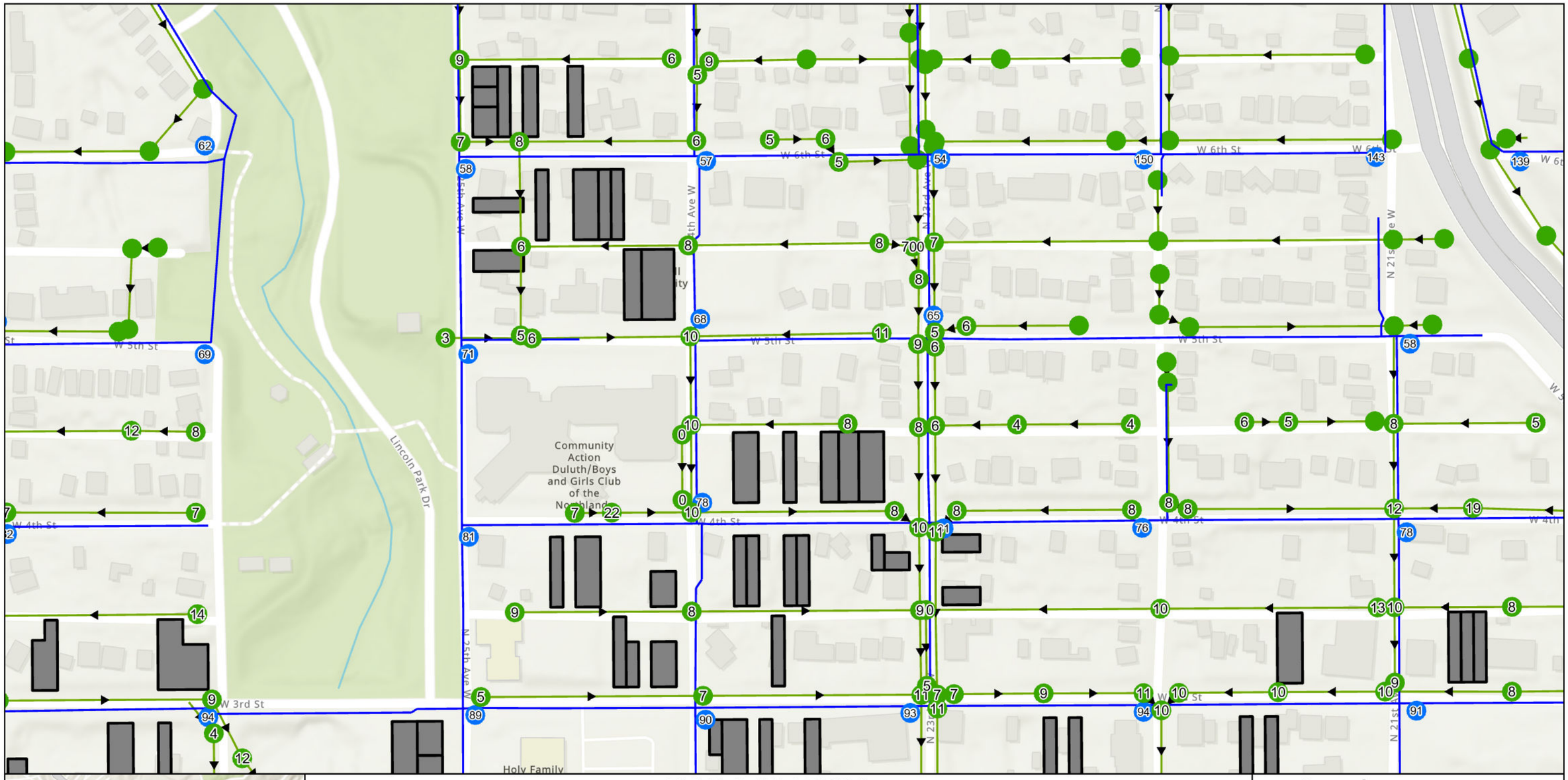
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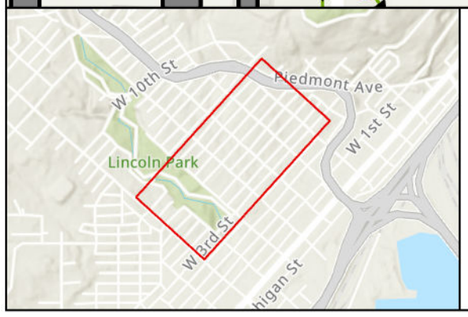
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2) HYDRANT PRESSURES REPRESENT STATIC PRESURE MEASURED AT THE FIRE HYRDRANT PORT.

Legend

- SERVICE REPLACEMENT SITE
- HYDRANT PRESSURE
- SANITARY MANHOLE DEPTH

0 0.04 0.07 Mi





PROJECT 2081
SANITARY MANHOLE DEPTH & HYDRANT PRESSURE

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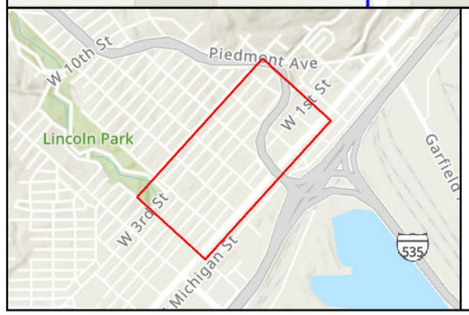
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PROJECT 2081
SANITARY MANHOLE DEPTH & HYDRANT PRESSURE

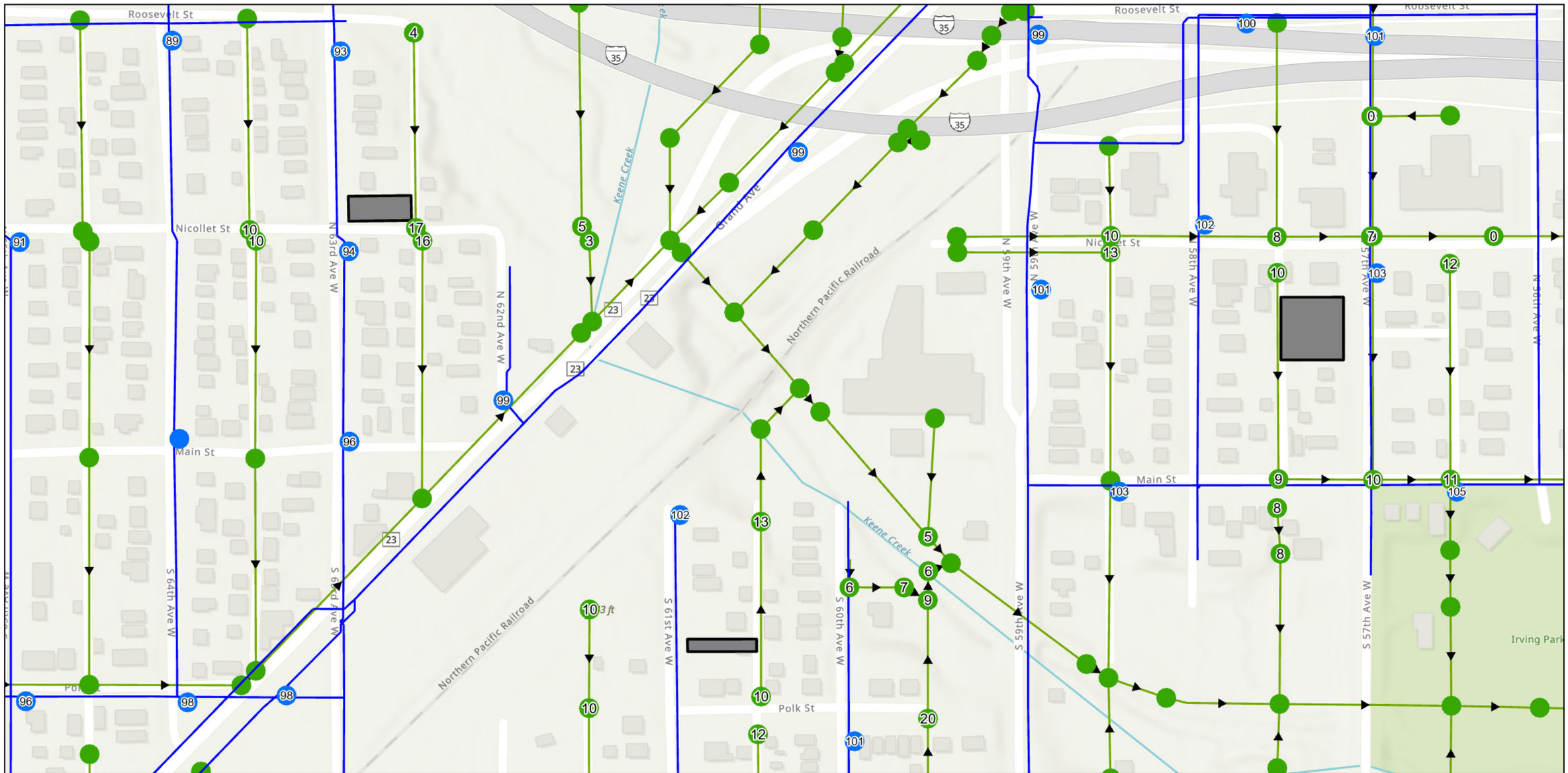
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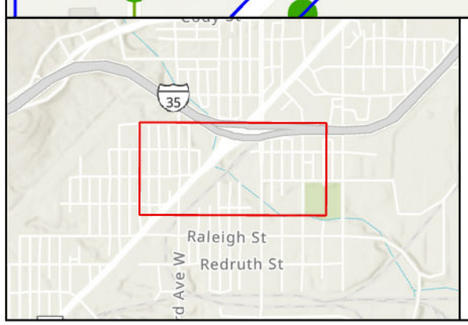
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PROJECT 2081
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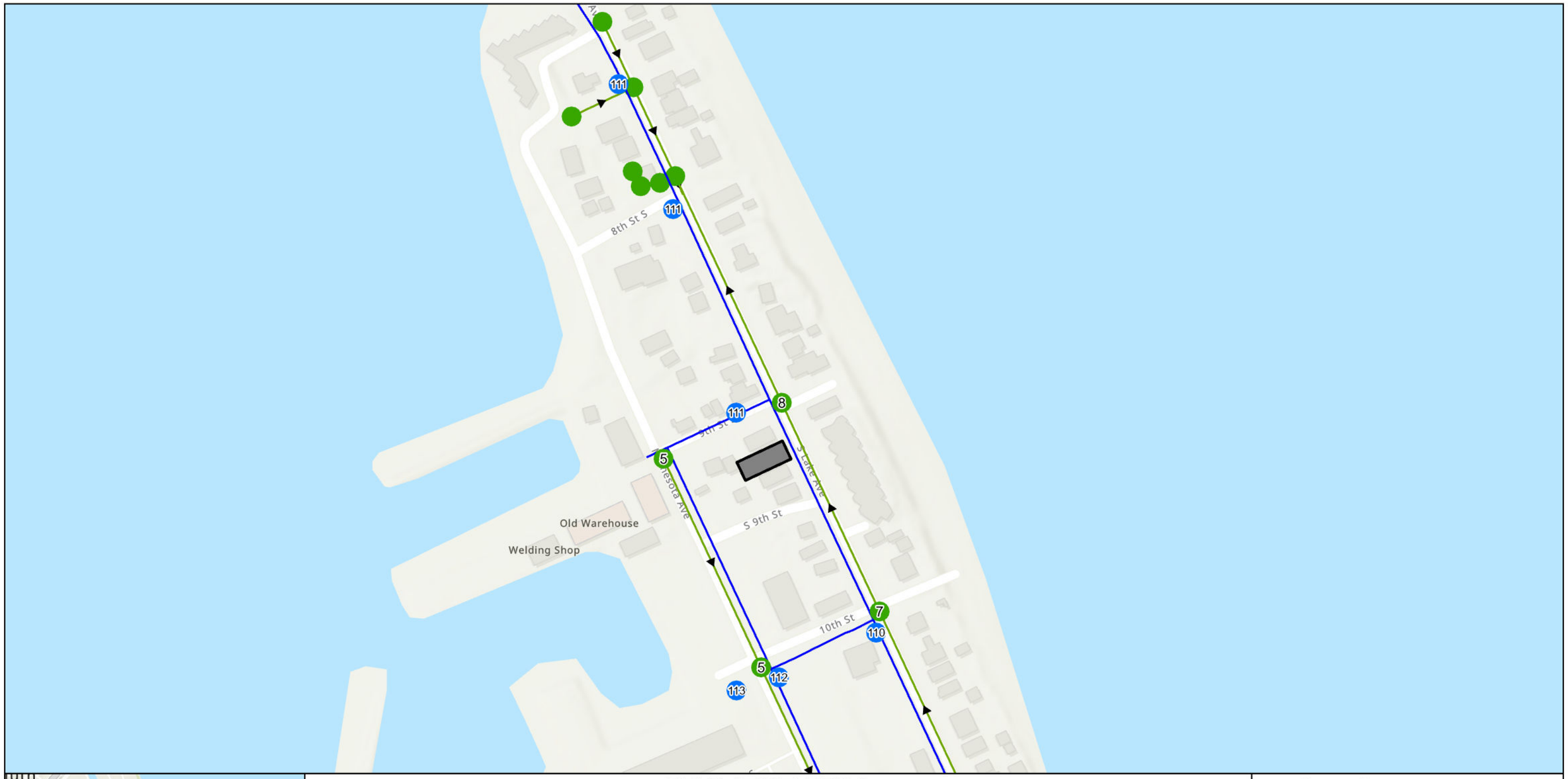
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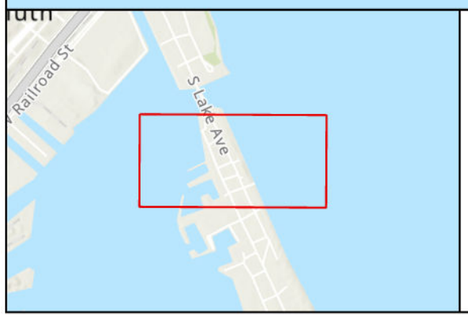
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PROJECT 2081
SANITARY MANHOLE DEPTH & HYDRANT PRESSURE

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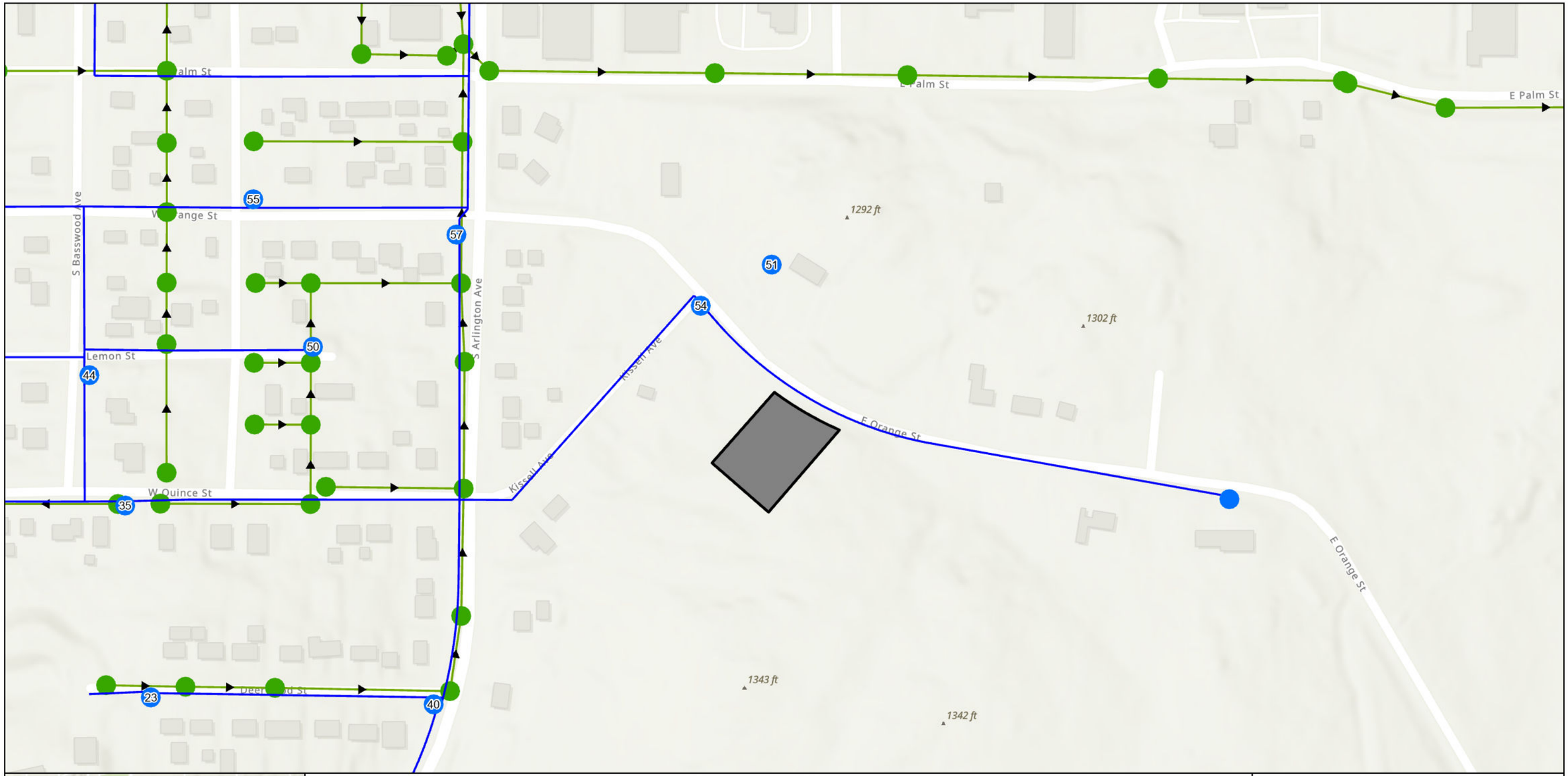
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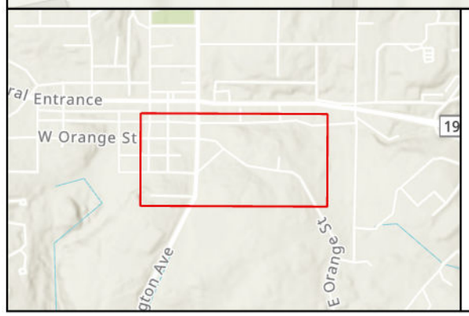
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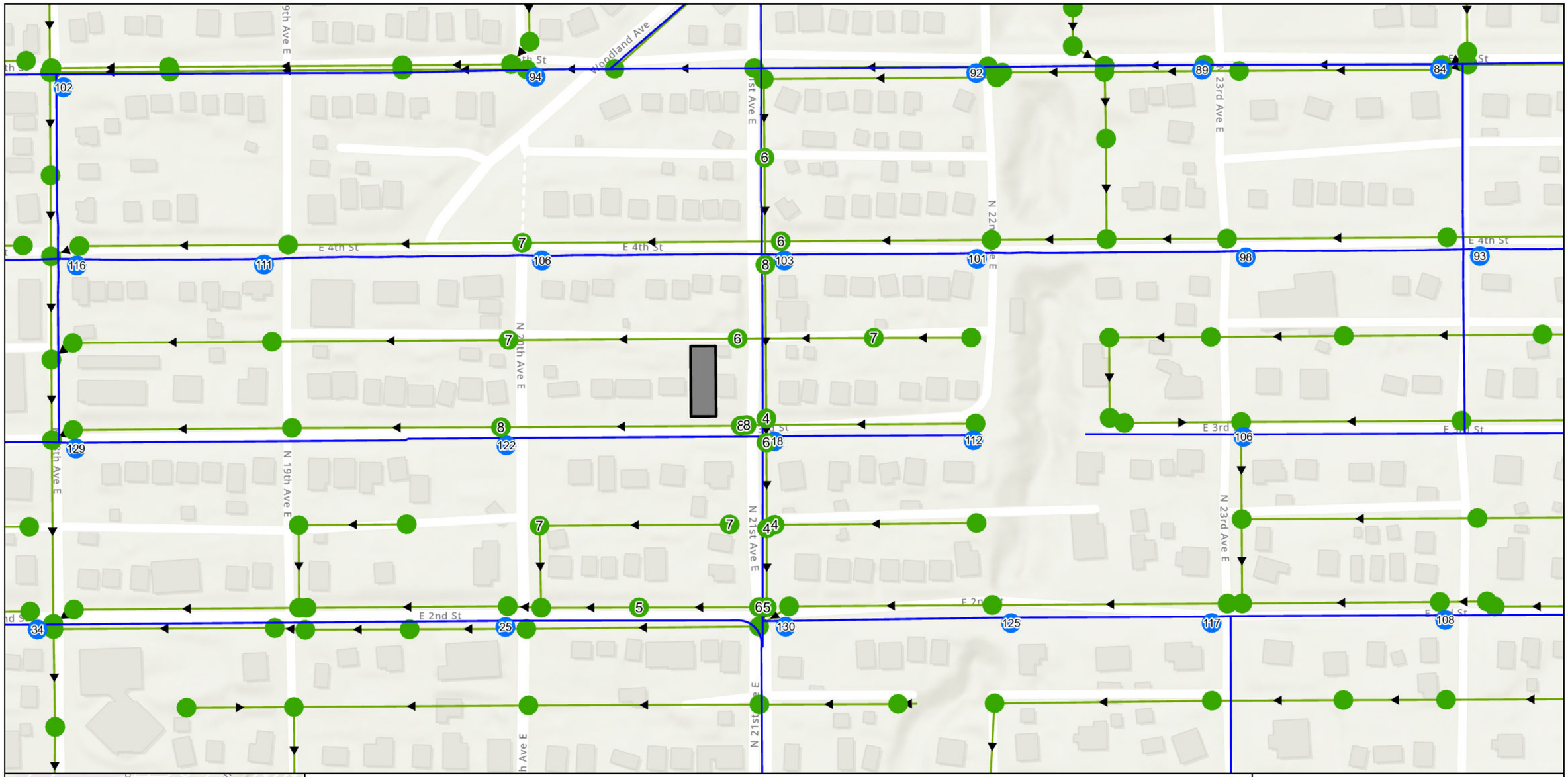
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PROJECT 2081
SANITARY MANHOLE DEPTH & HYDRANT PRESSURE

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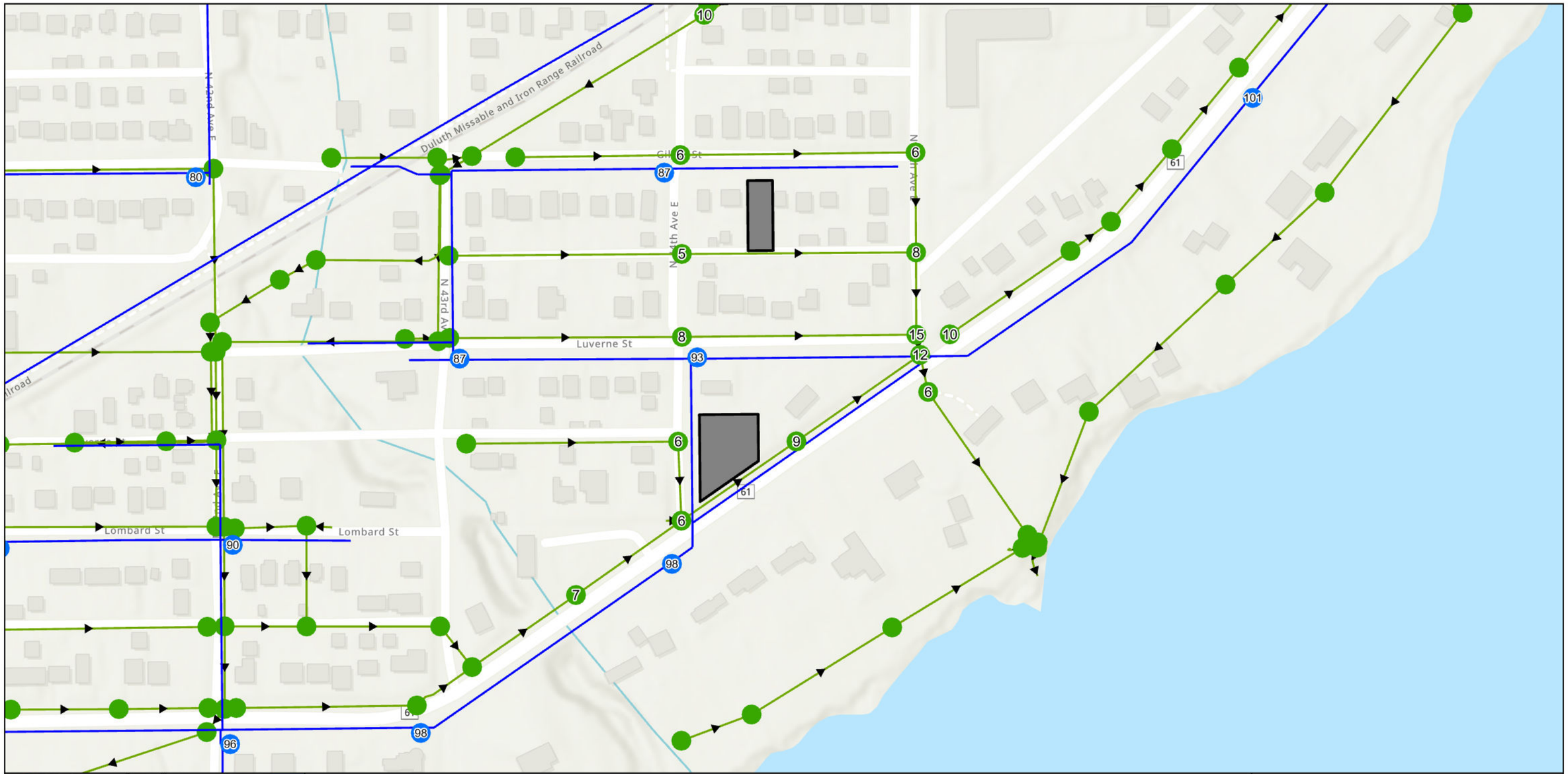
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PROJECT 2081
SANITARY MANHOLE DEPTH & HYDRANT PRESSURE

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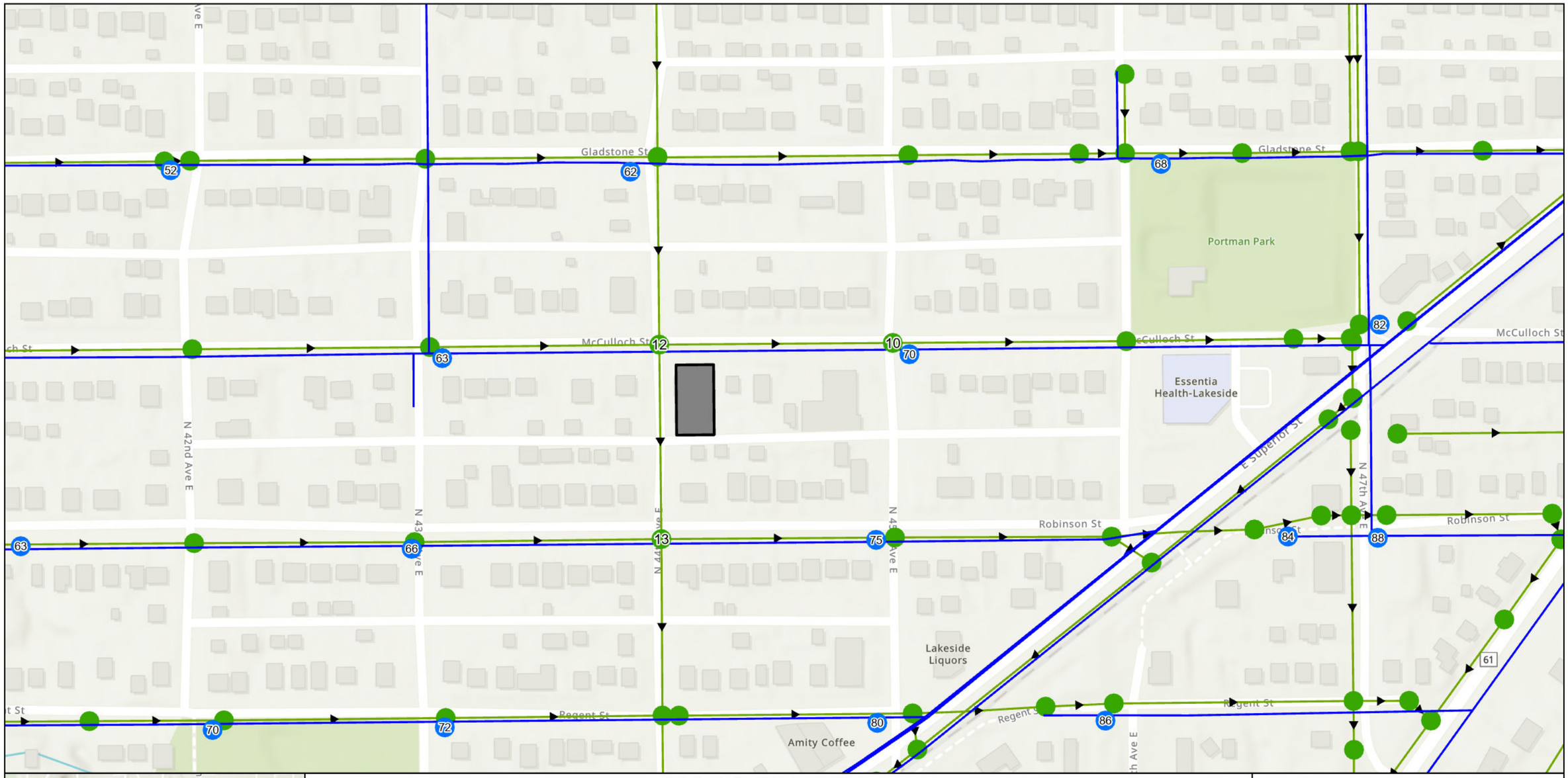
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PROJECT 2081
SANITARY MANHOLE DEPTH & HYDRANT PRESSURE

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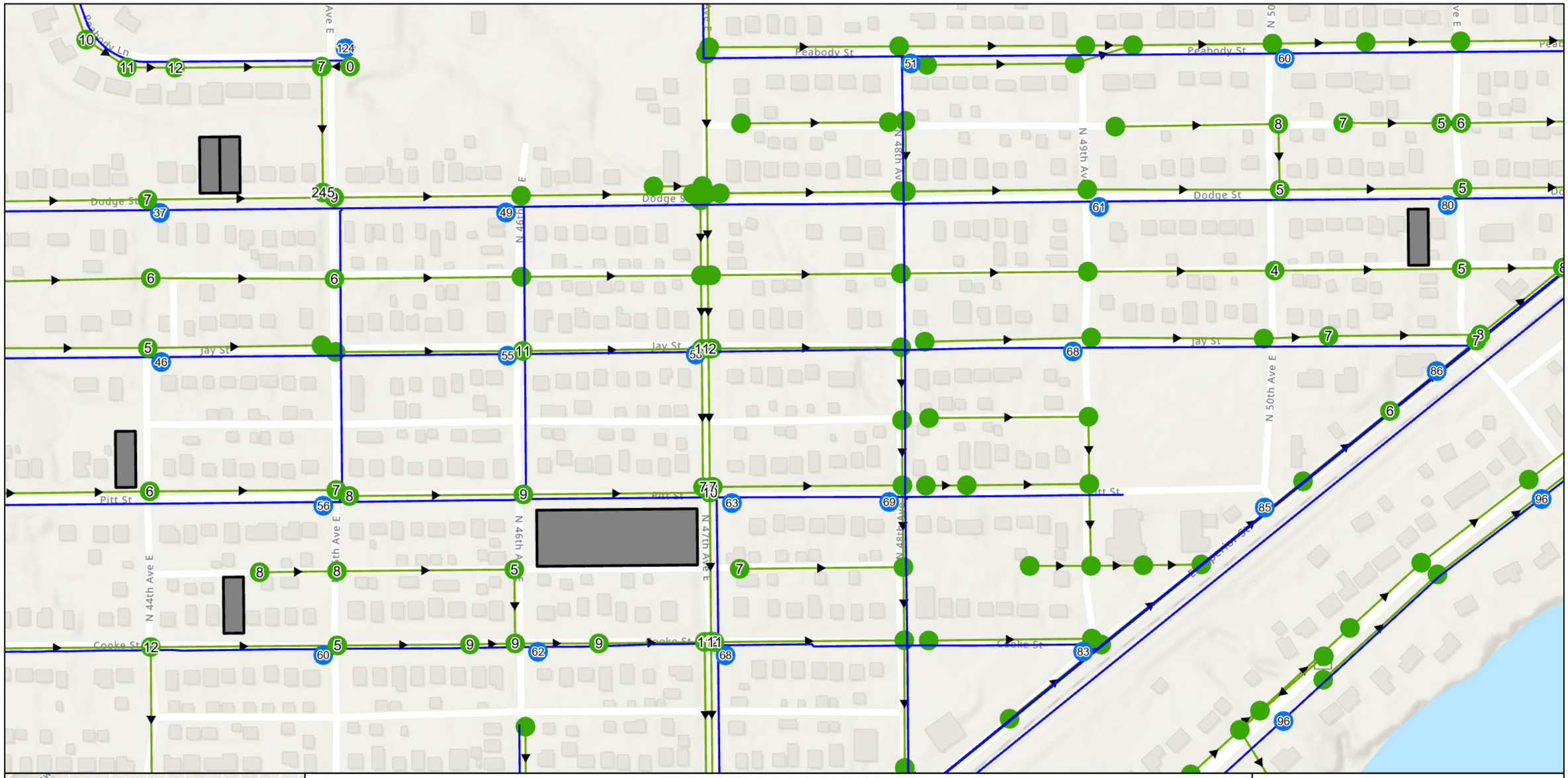
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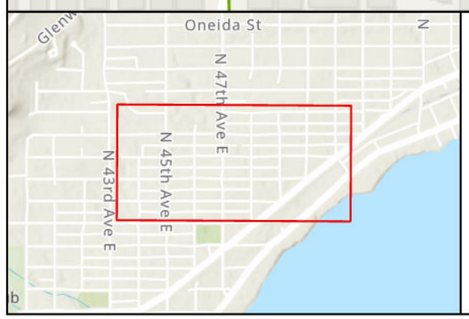
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N

0 0.04 0.07 Mi





PROJECT 2081
SANITARY MANHOLE DEPTH & HYDRANT PRESSURE

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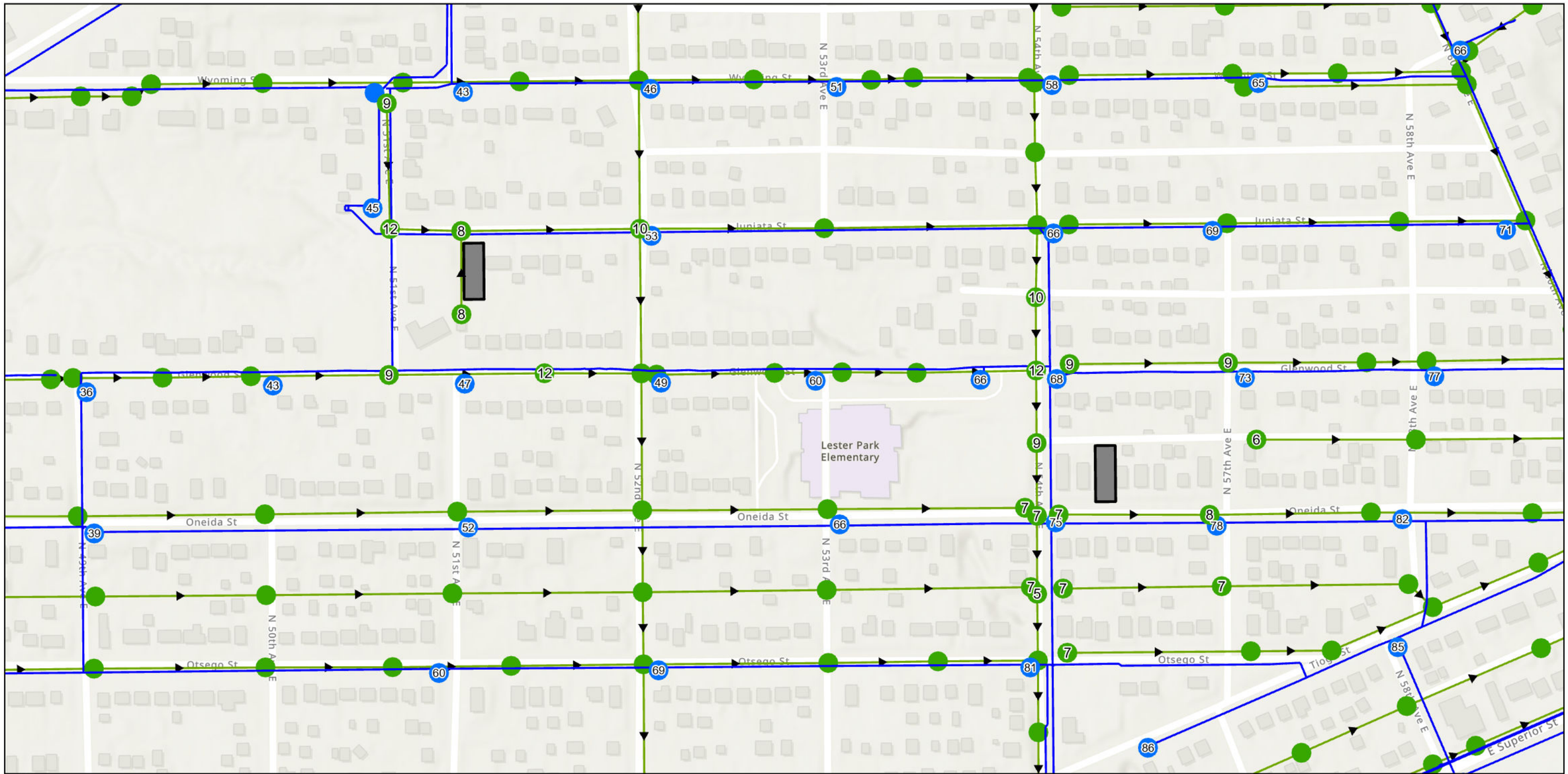
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N

0 0.05 0.1 Mi



PROJECT 2081
SANITARY MANHOLE DEPTH & HYDRANT PRESSURE

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Legend

- SERVICE REPLACEMENT SITE
- HYDRANT PRESSURE
- SANITARY MANHOLE DEPTH

N

0 0.05 0.1 Mi

2081 Lead Replacement - Sanitary House Trap Information

ADDRESS	SUMP PUMP INSTALLED	HOUSE TRAP STATUS
1925 W 1ST ST	Yes	Unk
2422 W 1ST ST	Yes	Removed
2431 W 1ST ST	No	Unk
2512 W 1ST ST	Yes	Unk
2513 W 1st St	No	Unk
2515 W 1ST ST	Yes	Removed
2527 W 1ST ST	No	Unk
2625 W 1ST ST	Yes	Removed
2701 W 1ST ST	No	Unk
2717 W 1st St	Yes	Unk
2719 W 1ST ST	No	Unk
2723 W 1ST ST	Yes	Unk
2915 W 1ST ST	Unk	Unk
2119 W 2ND ST	Yes	Removed
2123 W 2ND ST	Yes	Unk
2125 W 2ND ST	Unk	Unk
2126 W 2ND ST	Unk	Unk
2131 W 2ND ST	Unk	Unk
2213 W 2ND ST	Yes	Removed
2219 W 2ND ST	Yes	Unk
2306 W 2ND ST	No	Unk
2316 W 2ND ST	No	Unk
2321 W 2ND ST	Yes	Unk
2323 W 2ND ST	No	Unk
2324 W 2ND ST	No	Unk
2325 W 2ND ST	Yes	Unk
2326 W 2ND ST	No	Unk
2327 W 2ND ST	No	Unk
2410 W 2ND ST	Yes	Unk
2422 W 2ND ST	No	Unk
2502 W 2ND ST	Yes	Unk
2526 W 2ND ST	No	Unk
2529 W 2ND ST	No	Unk
2607 W 2ND ST	No	Unk
2616 W 2ND ST	No - on a slab	Unk
2618 W 2ND ST	No - on a slab	Unk
2623 W 2ND ST	Yes	Unk
2632 W 2ND ST	No	Unk
2710 W 2ND ST	No	Unk
2722 W 2ND ST	Yes	Removed
2726 W 2ND ST	Yes	Removed
2727 W 2ND ST	No	Unk
2728 W 2ND ST	No	Unk
2730 W 2ND ST	Unk	Unk

2081 Lead Replacement - Sanitary House Trap Information

ADDRESS	SUMP PUMP INSTALLED	HOUSE TRAP STATUS
2731W 2ND ST	Yes	Removed
2814 W 2ND ST	Yes	Unk
2815 W 2ND ST	Yes	Yes - inaccessible
2816 W 2ND ST	Yes	Removed
2818 W 2ND ST	Yes	Removed
2820 W 2ND ST	Yes	Removed
2827 W 2ND ST	Unk	Unk
2831 W 2ND ST	Yes	Unk
2906 W 2ND ST	Yes	Removed
2910 W 2ND ST	No	Unk
2924 W 2ND ST	No	No House Trap
2926 W 2ND ST	Yes	Removed
1924 W 3RD ST	Unk	Unk
2021 W 3RD ST	Yes	Yes - inaccessible
2023 W 3RD ST	No	Unk
2025 W 3RD ST	No	Unk
2113 W 3RD ST	No	Unk
2118 W 3RD ST	Yes	Unk
2122 W 3RD ST	No	Unk
2212 W 3RD ST	No	Unk
2216 W 3RD ST	No	Unk
2316 W 3RD ST	Yes	Removed
2321 W 3RD ST	No	Unk
2324 W 3RD ST	Yes	Unk
2330 W 3RD ST	No	Unk
2332 W 3RD ST	No	Unk
2403 W 3RD ST	Yes	Unk
2407 W 3RD ST	Yes	Unk
2409 W 3RD ST	Yes	Removed
2502 W 3RD ST	Yes	Removed
2506 W 3RD ST	No	Unk
2601 W 3RD ST	Yes	Removed
2602 W 3RD ST	Yes	Unk
2606 W 3RD ST	No	Unk
2608 W 3RD ST	No	Unk
2614 W 3RD ST	No	No House Trap
2627 W 3RD ST	No	No House Trap
2628 W 3RD ST	No	Unk
2708 W 3RD ST	Unk	Unk
2716 W 3RD ST	Yes	Removed
2722 W 3RD ST	No	Unk
2723 W 3RD ST	No	Unk
2729 W 3RD ST	Yes	Removed
2809 W 3RD ST	No	Unk

2081 Lead Replacement - Sanitary House Trap Information

ADDRESS	SUMP PUMP INSTALLED	HOUSE TRAP STATUS
2814 W 3RD ST	Unk	Unk
2833 W 3RD ST	No	Unk
2901 W 3RD ST	No	Unk
2903 W 3RD ST	Yes	No House Trap
2910 W 3RD ST	Yes	Removed
2912 W 3RD ST	No	Unk
2913 W 3RD ST	Yes	Removed
2914 W 3RD ST	Yes	Unk
2305 W 4TH ST	No	Unk
2306 W 4TH ST	Unk	Unk
2311 W 4TH ST	Yes	Removed
2313 W 4TH ST	Yes	Removed
2318 W 4TH ST	Unk	Unk
2319 W 4TH ST	No	Unk
2320 W 4TH ST	No	Unk
2326 W 4TH ST	No	Above Ground Plumbing
2327 W 4TH ST	Yes	Removed
2328 W 4TH ST	Yes	Unk
2414 W 4TH ST	No	Unk
2422 W 4TH ST	No	Unk
2401W 5TH ST	No	No House Trap
2410 W 6TH ST	Yes	Unk
2412 W 6TH ST	Yes	Unk
2414 W 6TH ST	No	Unk
2417 W 6TH ST	No	Unk
2422 W 6TH ST	No	Unk
2423 W 6TH ST	No	Unk
2427 W 6TH ST	No	Unk
2429 W 6TH ST	Yes	Removed
222 N 20TH AVE W	Yes	Unk
224 N 20TH AVE W	No	Unk
230 N 20TH AVE W	Yes	Removed
318 N 23RD AVE W	No	Unk
327 N 23RD AVE W	No	Unk
330 N 23RD AVE W	No	Unk
317 N 24TH AVE W	Yes	Removed
223 N 25TH AVE W	No	Unk
27 N 25TH AVE W	Yes	Unk
510 N 25TH AVE W	No	Unk
520 N 25TH AVE W	No	Unk
608 N 25TH AVE W	Yes	Unk
614 N 25TH AVE W	No	Unk
107 N 27TH AVE W	No	Unk
111 N 27TH AVE W	No	Unk

2081 Lead Replacement - Sanitary House Trap Information

ADDRESS	SUMP PUMP INSTALLED	HOUSE TRAP STATUS
209 N 27TH AVE W	No	Unk
219 N 27TH AVE W	No	Unk
220 N 27TH AVE W	No	Unk
221 N 27TH AVE W	No	Unk
103N 29TH AVE W	Yes	Removed
105 N 29TH AVE W	Yes	Unk
107 N 29TH AVE W	No	Unk
207 N 29TH AVE W	No	Unk
210 N 29TH AVE W	No	Unk
211 N 29TH AVE W	No	Unk
101 N 30TH AVE W	Yes	Unk
102 N 30TH AVE W	Yes	Removed
106 N 30TH AVE W	No	Unk
110 N 30TH AVE W	Yes	Removed
114 N 30TH AVE W	Yes	Removed
118 N 30TH AVE W	No	Unk
122 N 30TH AVE W	Unk	Unk
3051 CHESTNUT ST	Unk	Unk
3053 CHESTNUT ST	No	Unk
3059 CHESTNUT ST	Yes	Removed
3201 CHESTNUT ST	Unk	Unk
3203 CHESTNUT ST	Unk	Unk
3006 VERNON ST	Yes	Removed
3008 VERNON ST	No	Unk
3009 VERNON ST	Yes	Yes - inaccessible
3020 VERNON ST	Yes	Yes
3057 VERNON ST	No	Unk
3059 VERNON ST	No	Unk
104 N 63RD AVE W	Yes	Yes
24 S 61ST AVE W	Yes	Unk
19 N 57TH AVE W	Yes	Unk
130 E ORANGE ST	Unk	Unk
905 S LAKE AVE	No	Unk
2029 E 3RD ST	No	Unk
4409 LONDON RD	Yes	Yes - inaccessible
4410 GILLIAT ST	No	Unk
4402 MCCULLOCH ST	Yes	Removed
4415 COOKE ST	Yes	Unk
4331 PITT ST	Yes	Unk
4628 PITT ST	No	Unk
4409 DODGE ST	Yes	Unk
4415 DODGE ST	yes	Unk
5026 DODGE ST	Unk	Unk
5409 ONEIDA ST	Unk	Unk

2081 Lead Replacement - Sanitary House Trap Information

ADDRESS	SUMP PUMP INSTALLED	HOUSE TRAP STATUS
5106 JUNIATA ST	Yes	Removed

AGREEMENT

LEAD WATER SERVICE REPLACEMENT

I, Tyson Bonkoski, am (the owner)(one of the owners) of the house and property located at 10 E McGonagle St in Duluth, Minnesota and I am entitled to enter into this Agreement on behalf of the property and any other persons or entities having an interest in the Property. I have been informed that the water service line which I own providing water to the Property including into the house is made of lead and is potentially hazardous to my health and that of other persons on the Property. The City of Duluth (the "City") has agreed to hire a contractor to replace my lead service line from the City water main to the water meter, including within the house (the "Work") at no cost to me, subject to the following terms and conditions to which I hereby agree:

1. The City will have the option of performing the Work by either the directional drilling method or by the "open cut" method. The choice of the method to be used will be based on the Department's determination of the most appropriate method based on its evaluation of the property and the service.

2. I hereby agree that the City, its employees and its contractors are hereby authorized to enter onto the Property, except the house on the property, at any time between 7:00 A.M. and 8:00 P.M. Monday through Friday for the purpose of performing the Work outside of the house which will consist of replacing the buried waterline connecting the house to the water main in the street, including excavating as necessary for that purpose.

3. I hereby agree to give the City and its contractors access to the house on the Property to perform any of the Work that needs to be

done in the house, upon the City or its contractor giving me 24 hours advance notice of their desire to enter the house to do such Work. If I cannot provide access to the City and its contractor at the time specified, I agree to confer with the City and its contractor to find a mutually agreeable time for the Work to be performed in the house.

4. I understand that the Work may result in some damage to or destruction of turf and paved surfaces, landscaping, plants and trees in the vicinity of any excavation. City will require its contractor to salvage, restore or replace the ground surface materially damaged by the Work to substantially the condition it was in before the Work was undertaken except that if trees on private property are damaged by the Work and determined by the Department to be in need of replacement, they can be replaced with saplings of native species selected by the Department.

5. I further understand that the Work may result in some damage to interior improvements in the house. I understand that the City will require its contractor to repair or restore any damage to the underlying foundation wall and the basement floor of my house but neither the contractor nor the City shall be responsible to repair, restore or replace any damage to any other interior improvements to my house, including but not limited to wall coverings, floor coverings, paint, furniture and fixtures on the property, and that the cost of any needed or desired repair, restoration or replacement of such improvements are solely my responsibility.

6. The City has informed me that the City will pay the costs of having the Work done as described above and that I will only have to pay the costs of work not paid by the City as described in Paragraphs 4 and 5 above.

7. The City agrees that it will require its contractor to be responsible for any acts or omissions which cause damage to my property; both the

City's and the contractor's liability shall be limited by the limitations contained in Minnesota Statutes Section 541.051.

I HAVE READ THIS AGREEMENT AND UNDERSTAND IT AND AGREE TO ITS TERMS.

Signature	Tyson Bonkoski Printed Name
Signature	Printed Name