

City of Hoboken
City-Wide Water Utility Service Line Verification Excavation
City Bid No. 26-05

Addendum No. 1

TO: All Bidders of Record

Date Issued: August 24, 2026

This addendum shall be part of the Contract Documents as provided in the Agreement for the above-referenced project. **Acknowledge the receipt of this addendum on Page 00400-5 of the Bid Documents for the project. Failure to do so may subject the bidder to disqualification.**

In addition, please acknowledge the receipt of this addendum by completing the attached Bid 26-05 Addendum #1 Acknowledgement Sheet and emailing it to Gary Stuart at CDM Smith – stuartgr@cdmsmith.com and also submit this acknowledgement form with the bid.

QUESTIONS AND ANSWERS

QUESTION 1: What is the estimated budget for the Contract?

RESPONSE 1: No Engineer's Estimate will be available for this contract.

QUESTION 2: For item 6-are there any county roads?, 02511-3.02, states - City roads require 6" Base Asphalt, County require 12" Base Asphalt. Should the item be per ton or SY per inch due not the different thicknesses?

RESPONSE 2: See Addendum 1. Bid Item 6B – Hot Mix Asphalt 12.5M64 – County Roads Top Course has been added.

QUESTION 3: If there are county roads, are the work hours the same?

RESPONSE 3: Yes, the work hours are expected to be the same.

QUESTION 4: Will contractor be paid T&M rates with or without markup for item #8?

RESPONSE 4: The contractor will be paid T&M rate with markup per the Contract Documents for Bid Item 8 – Miscellaneous Work at Direction of Owner.

QUESTION 5: Is there any Polymer Cement Resurfacing anticipated, and if so what quantity and where?

RESPONSE 5: If Polymer Cement Resurfacing is required, it will be paid for under Bid Item 8 -Miscellaneous Work at Direction of the Owner.

QUESTION 6: Will you establish an allowance for the disposal of the Contaminated Soils? We cannot get a quote without a profile of what the material is prior to bidding.

RESPONSE 6: The classification of the non-hazardous contaminated soil has been added via Addendum No. 1. All excavated soil shall be assumed to be this classification and disposed of in accordance with the Contract Documents.

QUESTION 7: Please clarify how many soil sample tests will be required - One per address, per block, per load, etc.?

RESPONSE 7: The number of soil sample tests will be as required by the Contractor's disposal facility.

CHANGES TO SPECIFICATIONS

Section 01010 – Summary of Work

In Section 01010, delete paragraph 1.01A and replace with the following:

“The work of this project is at various locations throughout the City of Hoboken, Hudson County, New Jersey. The first list of property addresses where a vacuum excavation shall be performed is provided in Appendix A. The list identifies 252 initial proposed locations where vacuum excavations will occur on both sides of the service line. A second list of property addresses with another 100 locations will be provided to the Contractor during the course of the work as discussed in Section 01014.”

In Section 01010, paragraph 1.02A, delete the last two sentences and replace with the following:

“All locations require two vacuum excavations – one from the main to the curb, usually in the roadway, and the other from the curb to the meter, usually in the sidewalk.”

Section 00300 – Bid Form

Replace the Bid Form provided in the Bid Package with the attached revised Bid Form. Changes include the following:

- Renamed Item 6 Hot Mix Asphalt 9.5M64 – Top Course to Item 6A Hot Mix Asphalt 9.5M64 – Top Course and revised quantity and units for Item 6A.
- Added new Item 6B Hot Mix Asphalt 12.5M64 – County Roads Top Course.

Section 01025 – Measurement and Payment

Replace Measurement and Payment provided in the Bid Package with the attached revised Measurement and Payment. Changes include the following:

- Item changes to the Bid Form have been incorporated into Section 01025 for Bid Items 6A and 6B.
- Edited Item 1 and Item 2 to include interior pipe material inspections as part of the test pitting.
- Edited Bid Item 2 to include temporary roadway restoration of both City and County roadways.
- Added classification of contaminated, non-hazardous soil to Bid Items 1 and 2.

Section 01110 – Environmental Protection Procedures

In Section 01110, add the following new paragraph 1.01E after paragraph 1.01D:

“ E. The project excavation areas are located within the public right of way and private property. All excess soils for disposal are assumed to be non-hazardous contaminated soil exceeding NJDEP Restricted Residential Soil Remediation Standards (NJAC 7:26D Table 1A Residential

Direct Contact Soil Remediation Standard). If grossly contaminated material, visible as free product, soil staining, oil sheen or noxious vapors, are encountered during excavation work performed under this Contract, the Contractor shall notify the Owner and Engineer, and the New Jersey Department of Environmental Protection (NJDEP) by contacting the main reporting line at 1- 877-927-6337, where and as required by applicable laws and regulations. The Contractor shall be responsible for sampling and analysis, handling, temporary storage, removal, tracking, and disposal of contaminated and hazardous fluids and solids encountered in accordance with the Contract Specifications. All work shall be performed in accordance with all applicable Federal, State, and local regulations, laws, codes, and ordinances governing the handling, transportation, and disposal of contaminated materials.”

Section 01170 – Special Provisions

In Section 01170, delete paragraph 1.11A, “ACCESS TO PROJECT DOCUMENTS” and replace with new paragraph 1.11A as follows:

“1.11 INTERIOR INSPECTIONS

“A. The Contractor shall inspect the interior pipe material for each location designated for a test pit and provide photos and required documentation in Survey123 in accordance with Section 01380. The Contractor shall attempt at least three (3) times on separate days to access the building and photograph and record the pipe material as the pipe exits building. Document all attempts.”

Section 01380 – Photographic Documentation

In Section 01380, add new paragraph 3.01E.2.b, immediately following paragraph 3.01E.2.a to read as follows and renumber the subsequent paragraphs:

“ b. At least (1) photo shall be taken from inside the building showing where the pipe enters the exterior wall. Photo shall be in focus and a magnet and/or scratch visible. Provide a whiteboard with address, date of work and material observed listed on the whiteboard in each interior photo.”

Section 01720 – Project Record Documents

Replace Project Record Documents provided in the Bid Package with the attached revised Project Record Documents. Changes include the following:

- Revisions to what is required to be provided for project record documents and the frequency.
- Specifics on the data management system and the required hardware to access system in the field.

Section 02113 – Contaminated Soil Excavation

In Section 02113, delete paragraph 1.05A in its entirety and replace with the following new paragraph 1.05A:

“A. The project area is located within the public right of way and private property which have been assumed to be non-hazardous contaminated exceeding NJAC 7:26D Table 1A Residential Direct Contact Soil Remediation Standard. The Contractor shall comply with the NJDEP Site Remediation Program Linear Construction Technical Guidance, January 2012. Under the

technical guidance, the person conducting the linear construction is not required to delineate or remediate contamination outside the limit of the excavation areas within the linear construction corridor. Notification of the existing contamination to the NJDEP is not required. If grossly contaminated material, visible as a free product, soil staining, oil sheen or noxious vapors, are encountered during excavation work performed under this Contract, the Contractor shall notify the Owner and Engineer, and NJDEP by contacting the main reporting line at 1-877-927-6337, where and as required by applicable laws and regulations. Work of this Section shall be performed in accordance with all applicable Federal, State, and local regulations, laws, codes, and ordinances governing the handling, transportation, and disposal of contaminated materials.”

Section 02511 – Permanent Pavement Repair

Replace Permanent Pavement Repair provided in the Bid Package with the attached revised Permanent Pavement Repair. Changes include the following:

- Added requirements for County roadways which include 10-inches of HMA 25M64 for base course and 2-inches of HMA 12.5M64 for surface/top course.

Appendix A – Primary List of Vacuum Excavation Locations

Replace the Appendix A provided in the Bid Package with the attached revised Appendix A which includes a revised list of addresses.

Appendix B – Standard Details

In Detail E, Hot Mix Asphalt Base Repair, delete the callout, “CONSTRUCT BITUMINOUS HOT MIX ASPHALT REPAIR, 19M64, 12” THICK (COUNTY ROADS) 19M64, 6” THICK (CITY ROADS)” and replace with “CONSTRUCT BITUMINOUS HOT MIX ASPHALT REPAIR, 25M64, 10” THICK (COUNTY ROADS) 19M64, 6” THICK (CITY ROADS)”.

ATTACHMENTS

1. Bid 26-05 Addendum #1 Acknowledgement Sheet
2. Revised Section 00300 – Bid Form
3. Revised Section 01025 – Measurement and Payment
4. Revised Section 02511 – Permanent Pavement Repair
5. Revised Appendix A – Primary List of Vacuum Excavation Locations
6. Revised Appendix B – Standard Details

END OF ADDENDUM

City of Hoboken

ACKNOWLEDGMENT OF RECEIPT OF ADDENDA

BID – 26-05

City-Wide Water Utility Service Line Verification Excavation

The undersigned Bidder hereby acknowledges receipt of the following Addenda:

Addendum Number	Date	Acknowledge Receipt (Initial)
Addendum # 1	8/24/26	_____
_____	_____	_____
_____	_____	_____

☐ **No addenda were received:**

Acknowledged for: _____
(Name of Bidder)

By: _____ Date: _____
(Signature of Authorized Representative)

Name: _____ Title/Position: _____
(Print or Type)

City of Hoboken
City-Wide Water Utility Service Line Verification Excavation
BID No. 26-05

BID FORM

<u>ITEM NO.</u>	<u>ESTIMATED QUANTITY</u>	<u>BRIEF DESCRIPTION OF ITEMS WITH UNIT BID PRICE IN WORDS</u>	<u>UNIT BID PRICE IN FIGURES</u>	<u>AMOUNT IN FIGURES</u>
1	600 each	Test Pit in Sidewalk		
		_____	\$ _____	\$ _____
		each		
2	100 each	Test Pit in Roadway Pavement		
		_____	\$ _____	\$ _____
		each		
3	7,680 SF	Permanent Concrete Restoration		
		_____	\$ _____	\$ _____
		per square foot		
4	1,080 SF	Brick Pavers		
		_____	\$ _____	\$ _____
		per square foot		
5	45 SF	Reset Slate Sidewalks		
		_____	\$ _____	\$ _____
		per square foot		
6A	100 SY	Hot Mix Asphalt 9.5M64 - Top Course		
		_____	\$ _____	\$ _____
		per square yard		
6B	20 SY	Hot Mix Asphalt 12.5M64 - County Roads Top Course		
		_____	\$ _____	\$ _____
		per square yard		
7	\$ 50,000 ALLOWANCE	Traffic Control Allowance		
		Fifty thousand dollars and zero cents allowance	\$ 50,000.00	\$ 50,000.00
8	\$ 100,000 ALLOWANCE	Miscellaneous Work at Direction of the Owner		
		One hundred thousand dollars and zero cents allowance	\$ 100,000.00	\$ 100,000.00

BID PRICE IN WORDS (Items 1-8)

BID PRICE IN FIGURES (Items 1-8)

\$ _____

SECTION 01025

MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.01 SCOPE

- A. This Section includes specification for the measurement and payment of the various elements of the Work; with provisions applicable to lump sum prices, unit prices, and allowances, if applicable.
- B. In the case of conflict between this Section and the measurement methods specified in the individual technical Sections, the measurement methods in the technical specifications shall govern.
- C. The Contractor shall receive no payment for any portion of the work until it is completed, restored, and accepted by the Engineer.
- D. The Contractor is advised that various bid items shall also include any costs related to the lack of material and equipment storage facilities on site. Please be advised that no construction materials or equipment shall be stored on site overnight as part of the construction sequencing for this project. The Contractor is advised to make accommodations to either secure a private storage area/facility off-site or have material deliveries dropped off daily and installed the same day. All equipment must also be removed from the site daily unless written consent is obtained from the Hoboken Police Department. All mobilization charges shall be covered under same.

1.02 RELATED WORK

- A. Bid Form is included in Section 00300.
- B. Application for Payment are included in Section 01026.
- C. Schedule of Values is included in Section 01370.

1.03 LUMP SUM ITEMS

- A. Lump Sum measurement will be for the entire item, unit of work, structure, or combination thereof, as specified and as indicated in the Bid Form. Measurement and payment for all bid items indicated as Lump Sum shall include the cost of all labor, materials and equipment necessary to furnish, install, clean, test, and place each bid item into operation; including permitting, general conditions, overhead and profit.
- B. Progress payments will be based on the Schedule of Values prepared by the Contractor and approved by the Engineer and Owner before acceptance of the first Application for Payment.
- C. In order for the Contractor to request progress payments against Lump Sum items, Contractor shall provide a disaggregation or breakdown in sufficient measurable detail that is acceptable to the Engineer.
- D. Measurement

1. Measurement shall be based on the estimated percent complete of each item of the Schedule of Values, as determined by the Engineer.

E. Payment

1. Payment will be made at the price proportional to the completion percentages approved by the Engineer.

1.04 ALLOWANCES

- A. Allowances, if any, specified in the Contract Documents and indicated in the Bid Form, are considered provisional amounts to be used only if needed.
- B. Allowances are exclusive of work indicated in the Contract Documents for which payment is included under other items in the Bid Form. No work may be performed under an allowance without prior written approval of the Owner.
- C. Any unused balance of the allowances shall revert to the Owner upon completion of the project. Prior to final payment, the original amount provided for allowances shall be adjusted to actual costs by deductive Change Order, adjusting the contract price, accordingly.
- D. The Contractor shall make no claim, nor receive any compensation, for anticipated profits, loss of profit, damages, or any extra payment due to any unexpended portion of the allowances.
- E. The Contractor is to include time for allowance work in the construction schedule. No adjustment of Contract Time shall be allowed for any work performed under allowance items.
- F. Allowance items shall be included in the Schedule of Values.
- G. Unless otherwise indicated in the specific measurement and payment provisions under allowance items, the measurable and allowable costs for work performed under an Allowance item shall be limited to the actual, demonstrable, and direct costs associated with that Allowance item. Shipping and sales taxes are **not** allowable costs.
 1. No mark-up for overhead or profit shall be included for payment under an Allowance account item. Overhead and profit shall be included in the contract bid or allocated across other bid items.

1.05 UNIT PRICE ITEMS

- A. Quantity and measurement estimates stated in the Bid Form are estimates for bidding purposes only. Actual payments shall be based on actual quantities installed, in-place, as measured and/or verified by the Engineer.
- B. Unless otherwise provided in the General Conditions, the bid unit prices shall be in effect throughout the contract duration, regardless of variances between the estimated quantities and the actual installed quantities.
- C. The Contractor shall make no claim, nor receive any compensation, for anticipated profits, loss of profit, damages, or any extra payment due to any difference between the amounts of work actually completed, or materials or equipment furnished, and the estimated quantities.

- D. Unless otherwise approved by the Owner, any unit quantities exceeded may not be invoiced until the estimated quantity is increased by contract change order.
- E. Contractor shall assist Engineer by providing necessary equipment, workers, and survey personnel as required to measure quantities.
- F. Measurement
 - 1. Measurement of quantities expressed as volume shall be based upon a neat plan line projection to the work limits as determined by survey record drawings for each item with no additional allowances for shrinkage, swelling or creep.
 - 2. Measurement of quantities expressed as area shall be based upon a horizontal, planimetric projection to the work limits as determined by survey record drawings for each item with no additional allowances for slopes.
 - 3. Measurement of linear items such as piping will be for quantities actually field installed to the specified work limits, based upon surveyed stations recorded along the straight or curved centerline of each respective item.
 - 4. Stipulated Sum/Price Measurement: Items shall be measured by weight, volume, area, or linear means or combination, as appropriate, as a completed item or unit of the Work.
 - 5. Measurement for progress payment shall be made by, or approved by, the Engineer based on the estimated effective quantity installed. The effective quantity installed represents the actual units or quantities installed, adjusted for incomplete elements or components.
 - 6. Unless otherwise provided for in the Bid Form unit price items are all-inclusive of all related work, direct and indirect, to provide a complete and functional item.
 - 7. The final measurement shall be based on actual quantities, jointly measured by Contractor and Engineer, complete, fully, tested and placed into service.
- G. Payment
 - 1. Progress payments shall be in accordance with the contract documents based on estimated effective quantities installed, paid at the bid unit price.
 - 2. The final payment for Work governed by unit prices shall be based on actual quantities, fully excavated, restored, and accepted by the Engineer multiplied by the unit sum/price for the Work, paid at the bid unit price.
 - 3. No payment will be made for material in excess of what is actually installed in the work.
 - 4. Payment for unit price items will be made monthly until completion of each unit price item based on quantity estimated by Contractor, and verified by the Engineer. Final payment will be based on the actual quantity installed and as calculated from As-Built Drawings.

1.06 ALTERNATES

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Contract Documents that may be added to or deducted from the Base Bid amount if the

Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems or installation methods described in the Contract Documents.

- B. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.
- C. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into the Project. Include as part of each alternate, miscellaneous devices, accessory options, and similar items incidental to or required for a complete installation whether or not indicated as part of the alternate.
- D. Execute accepted alternates under the same conditions as other work of the Contract.

1.07 PAYMENT

- A. Payment for each lump sum and unit price stated in the itemized bid shall constitute full compensation for all required labor, products, tools, equipment, material, plant, transportation, services and incidentals; erection, application or installation of an item of the Work required to complete all work specified under that particular item including cleanup, and all costs for doing related work as set forth in these Specifications and /or on the Contract Drawings or implied in carrying out their intent.
- B. The price bid for each lump sum and unit price item stated in the itemized bid shall be deemed to include overhead and profit.
- C. Relevant specification section references are provided to facilitate pricing. However, Contractor shall, using his own judgment, determine which sections are relevant to each pay item prior to submitting a comprehensive price that covers all Work identified in the Contract Documents.
- D. Requests for payment shall be in accordance with the General Conditions.
- E. Payment will be made to the limits as specified in the Contract Documents. If the constructed limits are less than the specified limit, payment will be made at the prices given in the Schedule of Values to the actual limits of construction as shown on the As-built Drawings. Payment for quantities that exceed the specified contract limits will only be made with the approval of the Engineer and shall be at the unit rates given in the Schedule of Values. Payment for quantities that exceed the contract quantities will be made through an approved Change Order in accordance with the General Conditions of the Contract.
- F. The Contractor shall receive no payment for any portion of the work until it is installed. The only exception to this is payment for stored materials on site if the Contract provides for the payment of materials adequately stored and protected until installation. Partial payment may be requested for items partially installed.
- G. Materials will be paid for as specified in the General Conditions. All such requests must have material quantities verified by the Engineer prior to payment.
 - 1. Qualification for partial payment for materials delivered shall be in accordance with the General Conditions.

1.08 VARIATIONS IN ESTIMATED QUANTITIES

- A. The quantities given in the Contract Documents are approximate only, and are given as a basis for the uniform comparison of bids, and Owner does not expressly or by implication warrant that the actual amount of work will correspond therewith.
- B. The Contractor must provide, for Unit Price Work, a proposed contract price determined on the basis of estimated quantities required for each item. The estimated quantities of items are not guaranteed and are solely for the purpose of comparing bids. Each such unit price will be deemed to include an amount for overhead, profit and indirect costs for each separately defined item.
- C. An increase or decrease in the quantity for any unit price item shall not be regarded as sufficient grounds for an increase or decrease in the price of the items except as provided in the General Conditions.
- D. If the actual Work requires more or fewer quantities than those indicated in the Bid Form, provide the required quantities at the unit sum/prices given in the Schedule of Values and in accordance with the General Conditions of the Contract.

1.09 DEFECT ASSESSMENT

- A. Replace defective Work, or portions of defective Work, not conforming to specified requirements.
- B. If, in the opinion of the Engineer, it is not practical to remove and replace the Work, the Engineer will direct a remedy in accordance with the requirements of Article 13 of the General Conditions.

1.10 AUTHORITY

- A. Measurement methods delineated in the individual specification sections are intended to complement the criteria of this section. In the case of conflict between this Section and the measurement methods specified in the individual technical Sections, the measurement methods in the technical specifications shall govern.
- B. The Contractor shall take all measurements and compute quantities. The Engineer will verify measurements and quantities.
- C. Assist by providing necessary equipment, workers, and survey personnel as required.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.01 TEST PIT IN SIDEWALK (ITEM 1)

- A. Measurement
 - 1. (Item 1) Measurement will be based on the number of excavations at the locations shown in Appendix A that are located in sidewalk or where directed by the Owner or Engineer and all material information is documented by Contractor. Submit comparable pre-

construction and post-construction photographs of each test pit and required photographs of the pipe to verify the material with whiteboard. Owner and Engineer shall accept the temporary surface restoration (where required) of the test pit prior to payment.

B. Payment

- a) Full payment for Item 1 shall be provided once the following components are completed:
- b. **Administration:** Price and payment shall include, but not be limited to insurance, bonds, permit acquisition, project coordination, scheduling, preparation of submittals and work plans, submittal of health and safety plan, printing and distributing door postings for notifications of construction work and no parking signs, local agency coordination, traffic control plans and coordination, underground utility mark outs and coordination, pre-construction photographs, material identification photographs, post-construction photographs, notification of test pit results to property owner with door posting, providing documentation of water service line materials in the data management system and all other documentation as required by the Contract.
- c. **Site Preparation for Test Pits:** Price and payment shall include, but not be limited to erosion and sediment control; mobilization (sanitary facilities, temporary construction facilities, construction vehicle parking and storage, control of work, field engineering and surveying), coordination of markouts, traffic signage, tree pruning necessary to complete the work (must be approved by Owner), interior pipe material inspection, cutting existing sidewalk and removal, protection and reuse of pavers if needed, temporarily support and protection of all existing utilities and structures, dewatering, and drainage.
- d. **Test Pits:** Price and payment shall include, but not be limited to: excavation up to a depth of 5 feet (including hand, vacuum, rock and boulders, concrete road base excavation); excavation support and protection (as required); backfilling with imported DGA; compaction; temporary restoration of sidewalks to grade or the limits of roadway base course; forming and pouring concrete curbs to match sidewalk elevation; transportation and disposal of excavated contaminated, non-hazardous soil (as defined by N.J.A.C. 7:26- 2.13(g) and N.J.A.C. 7:26-2.13(h)), spoils, rubble, concrete, asphalt, vegetation, and other construction debris; environmental protection procedures as specified; and cleanup and miscellaneous items to complete the work described herein. Payment for these items shall include all work required for or incidental to the satisfactory completion of the Items for which payment is not provided under other items in the Bid Form.

3.02 TEST PIT IN ROADWAY PAVEMENT (ITEM 2)

A. Measurement

1. (Item 2) Measurement will be based on the number of excavations at the locations shown in Appendix A that are located in the roadway pavement or where directed by the Owner or Engineer and all material information is documented by Contractor. Submit comparable pre-construction and post-construction photographs of each test pit and required photographs of the pipe to verify the material with whiteboard. Owner and Engineer shall accept the temporary surface restoration (where required) of the test pit prior to payment.

B. Payment

1. Full payment for Item 2 shall be provided once the following components are completed:
 - a. **Administration:** Price and payment shall include, but not be limited to insurance, bonds, permit acquisition, project coordination, scheduling, preparation of submittals and work plans, submittal of health and safety plan, printing and distributing door postings for notifications of construction work and no parking signs, local agency coordination, traffic control plans and coordination, underground utility mark outs and coordination, pre-construction photographs, material identification photographs, post-construction photographs, notification of test pit results to property owner with door posting, providing documentation of water service line materials in the data management system and all other documentation as required by the Contract.
 - b. **Site Preparation for Test Pits:** Price and payment shall include, but not be limited to erosion and sediment control; mobilization (sanitary facilities, temporary construction facilities, construction vehicle parking and storage, control of work, field engineering and surveying), coordination of markouts, tree pruning necessary to complete the work (must be approved by Owner), interior pipe material inspection, traffic signage, cutting existing pavement, temporarily support and protection of all existing utilities and structures, dewatering, and drainage.
 - c. **Test Pits:** Price and payment shall include, but not be limited to: excavation up to a depth of 5 feet (including hand, vacuum, rock and boulders, concrete road base excavation); excavation support and protection (as required); backfilling with imported DGA; compaction; temporary restoration of roadways with hot mix asphalt (19M64 for City roads and 25M64 for county roads) to grade or the limits of roadway base course; forming and pouring concrete curbs to match sidewalk elevation; transportation and disposal of excavated contaminated, non-hazardous soil (as defined by N.J.A.C. 7:26- 2.13(g) and N.J.A.C. 7:26-2.13(h)), spoils, rubble, concrete, asphalt, vegetation, and other construction debris; environmental protection procedures as specified; and cleanup and miscellaneous items to complete the work described herein. Payment for these items shall include all work required for or incidental to the satisfactory completion of the Items for which payment is not provided under other items in the Bid Form.

3.03 PERMANENT CONCRETE RESTORATION (ITEM 3)

A. Measurement

1. The quantity of sidewalk for which payment will be made will be the square footage of actual concrete slab formed, furnish, completed and approved in accordance with the details or as directed by the Engineer and completed between 45 and 60 days from excavation.

B. Payment

Payment for the quantity shall be made for the square footage as measured at the unit price as listed in the Bid Form. These prices shall be considered compensation for all labor, materials, and equipment used to purchase, transport, form, place, cure and finish concrete sidewalk (including expansion joints) in accordance with the specifications and details.

Included in this price shall be leveling, forming, placing and tying steel reinforcing, finishing, testing, curing, and all else necessary and incidental to the work described herein. A maximum of one concrete slab will be paid per test pit. Damage to adjacent slabs shall be fully repaired to existing conditions or better and are considered part of the Contractor's means and methods. No additional payment will be made for repairs to replacements of adjacent slabs.

3.04 BRICK PAVERS (ITEM 4)

A. Measurement

1. The quantity of pavers to be removed, protected and reused, for which payment will be made, shall be the square footage of pavers reset per the details and in the specifications.

B. Payment

1. Payment for removal, protection and reusing pavers shall be any work completed in place and approved by the Engineer, will be made for the quantity determined above at the appropriate unit price bid in the Bid Form. Price and payment shall be full compensation for resetting and leveling pavers, including labor, materials, and all else incidental thereto for which payment is not provided under other items in the Bid Form. A maximum area of 3-ft x 3-ft area will be paid per test pit for brick paver restoration.

3.05 RESET SLATE SIDEWALKS (ITEM 5)

A. Measurement

1. The quantity of slate sidewalk to be reset, for which payment will be made, shall be the square footage of slate reset per the details and in the specifications.

B. Payment

1. Payment for resetting slate sidewalks shall be any work completed in place and approved by the Engineer, will be made for the quantity determined above at the appropriate unit price bid in the Bid Form. Price and payment shall be full compensation for resetting and leveling slate, including labor, materials, and all else incidental thereto for which payment is not provided under other items in the Bid Form.

3.06 HOT MIX ASPHALT 9.5M64 – TOP COURSE (ITEM 6A)

A. Measurement

1. Measurement for Hot Mix Asphalt 9.5M64– Top Course will be on a per square yard basis, and shall include all labor to properly place and transport hot mix asphalt. Measurement for pavement repair for which payment will be made will be the actual pavement area affected by the trench within the repair limits shown on the standard details, as measured in square yards.

B. Payment

1. Payment for the bituminous concrete surface course (Hot Mix Asphalt Top Course) will be made for the quantity of pavement in square yards as measured above at the unit price bid

in the Bid Form. These prices shall be considered compensation for all labor, materials and equipment used to pave all streets disturbed during construction, in accordance with the plans, specifications, and details. Included in the price shall be all costs for leveling courses, cleaning and broom sweeping, tack coats, adjustments of manhole castings and other structures, removal of core samples, replacement of pavement stripes and markings and all else necessary and incidental to the work described herein. The Engineer will use yield calculations to confirm in place pavement thickness.

3.07 HOT MIX ASPHALT 12.5M64 – COUNTY ROADS TOP COURSE (ITEM 6B)

A. Measurement

1. Measurement for Hot Mix Asphalt 12.5M64– Top Course will be on a per square yard basis, and shall include all labor to properly place and transport hot mix asphalt. Measurement for pavement repair for which payment will be made will be the actual pavement area affected by the trench within the repair limits shown on the standard details, as measured in square yards.

B. Payment

1. Payment for the bituminous concrete surface course (Hot Mix Asphalt Top Course) will be made for the quantity of pavement in square yards as measured above at the unit price bid in the Bid Form. These prices shall be considered compensation for all labor, materials and equipment used to pave all streets disturbed during construction, in accordance with the plans, specifications, and details. Included in the price shall be all costs for leveling courses, cleaning and broom sweeping, tack coats, adjustments of manhole castings and other structures, removal of core samples, replacement of pavement stripes and markings and all else necessary and incidental to the work described herein. The Engineer will use yield calculations to confirm in place pavement thickness.

3.08 TRAFFIC CONTROL ALLOWANCE (ITEM 7)

- A. Measurement for police traffic directors shall be the direct payment of costs related to police traffic directors on site for traffic duties. The Contractor will be required to submit copies of invoices showing the hours and pay rates for each officer. The Contractor cannot add profit, administrative, overhead or any other fees to the hourly rate billed by the municipality. The payment for police traffic directors will be made from the allowance. The Contractor shall contact the Office of Outside Employment (OEP) to assign police traffic directors at (201) 420-2000 extension 1303 or OEP@hoboken.nj.gov.

3.09 MISCELLANEOUS WORK AT DIRECTION OF THE OWNER (ITEM 8)

A. General

1. This item is intended to pay the Contractor for performing emergency repairs of water, sewer utilities and services for correction of any unforeseen conditions as discovered during the performance of the work as directed and approved by the Engineer or Owner. Utility repairs resulting from activities related to the Contractor's convenience or negligence will not be paid for under this item and will be paid for by the Contractor at no additional cost to the Owner.

B. Measurement

1. Measurement shall be based on the Contractor's time and material costs for performing emergency repairs of water and sewer utilities, as approved by Engineer. Contractor shall notify the Engineer's representative prior to proceeding with time and material work and shall provide time and material ticket to the Engineer's representative the day the work is performed. No time and material tickets will be accepted if not provided within 48 hours of work being performed.

C. Payment

1. Payment for this item will be made on the actual amount of work done approved and measured by the Engineer. Emergency repairs of water and sewer utilities shall include but not be limited labor, materials and equipment required for repair and replacement of water and sewer utilities and services utilizing the methods allowed herein and shall be full compensation for all work related to cutting existing pavement and excavation; excavation support and protection (as required); dewatering and drainage; repair of utility pipelines as directed by the Engineer; backfilling with imported materials; compaction; restoring the trench surface to grade; restoring all physical features to grade including furnishing, installing, placing, compacting and sweeping; dense-graded base course, formwork, curing, concrete sidewalks, driveway aprons, concrete curb, initial paving, roadway concrete subbase, resetting or replacing of existing slate sidewalks and granite curbs, asphalt or concrete stamping, resetting or replacement of brick or rock pavers, pavement markings; painting, patching; cleaning, chlorinating; and all other incidentals to the satisfactory completion of this Item.
2. Services shall be based on the Contractor's time and material costs for performing the work as approved by Engineer.
3. Only work authorized in writing by the Engineer will be allowed to be reimbursed under this item.

END OF SECTION

SECTION 01720

PROJECT RECORD DOCUMENTS

PART 1 GENERAL

1.01 SCOPE OF WORK

- A. Keep and maintain, at the job site, a copy of contract documents, Contract maps, details, photos, service applications and sketches of installed service line marked up to indicate all changes made during the course of a project, as specified herein.
- B. The Contractor shall provide GPS points with sub-meter accuracy as specified herein and GIS shapefiles of GPS points for the completed work.
- C. Engineer will maintain the electronic Esri ArcGIS Online (GIS) database that shall be updated as work progresses. Contractor will add quantities via application provided and the information in the GIS database will be compared with the Contractor's pay applications on a weekly and monthly basis. No pay applications will be approved by the Engineer until the quantities match between the Contractor's pay application, GIS database and the Engineer's recorded quantities. Neither the Owner or Engineer are responsible for the delay in review and approval of the Contractor's payment application as a result of the Contractor not utilizing GIS as specified or in a timely manner.
- D. The Contractor shall provide the equipment necessary to support the data management software in the field, including mobile data collection devices.

1.02 RELATED WORK

- A. Photographic Documentation is included in Section 01380.
- B. Contract close-out submittals are included in Section 01700.

1.03 REQUIREMENTS INCLUDED

- A. Contractor shall maintain a record copy of the following documents, marked up to indicate all changes made during the course of a project:
 - 1. Specifications
 - 2. List of property addresses for vacuum excavations
 - 3. Traffic engineering permits
 - 4. Road opening permits
- B. Assemble copies of the following documents for turnover to the Owner at the end of the project, as specified.

1. Field Orders, Change Orders, Design Modifications, and RFIs
2. Field Test records
3. Permits and permit close-outs (final approvals)
4. Certificate of Completion, as applicable
5. Laboratory test reports
6. Certificates of Compliance for materials and equipment
7. Record Shop Drawings
8. Material delivery tickets
9. Pre-construction and post-construction photography
10. Electronic files in the database management system

C. Record Documents

1. Photographs and other large files shall be provided in a file sharing site as required in Section 01380.
2. The Survey 123 field form constitute the Contractor's Record documents and shall be accurate representations of as-built conditions, including all revisions made necessary by change orders, design modifications, requests for information and field orders.
3. Record drawings shall be accessible to the Owner and Engineer at all times during the construction period.
4. The information submitted by the Contractor in the Record Documents will be assumed to be correct, and the Contractor shall be responsible for the accuracy of such information and shall bear the costs resulting from the correction of incorrect data.
5. Compile record information contemporaneously with construction progress for review and approval on a monthly basis along with pay application. If Engineer determines that the record information provided by the Contractor be inaccurate, incomplete or does not meet the requirements of these Specifications, Engineer will return the information to the Contractor for correction. Contractor shall correct the record information at no additional cost to the Owner and shall resubmit to the Engineer for review and approval.
Requirements for as-built record documents and information for the work include:
 - a. Laboratory test reports (e.g., soil and concrete test).
 - b. Legibly mark the Specifications to record the manufacturer, trade name, catalog number, and supplier of each product and item of equipment or material actually installed, as well as any changes made by Field Order, Change Order, RFI, and approved shop drawing.
6. The following information shall be provided electronically in the database management system on a daily basis for each property where work is performed:
 - a. Observed materials (utility side and private side both interior and exterior)

- b. Record of attempts to reach the resident for scheduling interior inspection
- c. Date work scheduled and date work completed
- d. Contractor name
- e. Contract number
- f. Service line diameter
- g. Depth to service line
- h. Surface at test pit
- i. All requested photos in accordance with Section 01380.
- j. Up to 10 additional data entries to be specified by the Owner or Engineer

PART 2 PRODUCTS

- A. The Contractor shall provide the equipment necessary to access the ArcGIS Online database in the field. This shall include at least one tablet device per construction crew that can utilize a web browser and include a data package that does not require Wi-Fi for connectivity.

PART 3 EXECUTION

3.01 MAINTENANCE OF RECORD DOCUMENTS AND SAMPLES

- A. Store documents and samples in Contractor's field office apart from documents used for construction.
- B. File documents and samples in accordance with the Construction Specifications Institute (CSI) format.
- C. Maintain documents in a clean, dry, legible, condition and good order. Do not use record documents for construction purposes.
- D. Make documents and sample available for inspection by the Engineer or Owner at all times.
- E. All record documents, including service applications, shall be scanned and linked to the correct water service in the database management system.
- F. Up-to-date electronic record documents may be a pre-requisite of processing periodic monthly pay applications if so specified under the section for progress payments.

3.02 RECORD INFORMATION COMPILATION

- A. Do not conceal any work until the required information is acquired.
- B. Details not indicated on the original Details.
- C. Specifications - legibly mark each Section to record:
 - 1. Manufacturer, trade name, catalog number, and Supplier of each product and item of equipment actually installed.
 - 2. Changes made by Field Order, Change Order, RFI, and approved shop drawing.

3.03 SUBMITTAL

- A. Monthly applications for payment will be contingent upon up-to-date Record documents. Contractor is to send weekly updates on replacement item quantities completed at each address. If requested by the Engineer or Owner, provide a copy of the Record documents, or present them for review prior to processing monthly applications for payment.
- B. Upon substantial completion of the work and prior to final acceptance, the Contractor shall finalize and deliver a complete set of Project Record Documents to the Engineer conforming to the construction records of the Contractor. The Project Record Documents shall consist of service applications and corrected and annotated Contract maps. Unless specified otherwise elsewhere, Record Documents shall be both a hard copy of the service applications and in scanned in PDF format.
- C. The information submitted by the Contractor into the Project Record Documents will be assumed to be correct, and the Contractor shall be responsible for the accuracy of such information and shall bear the costs resulting from the correction of incorrect data.
- D. Delivery of record documents for each location is a prerequisite for complete payment of the replacement bid items as specified in Section 01025.
- E. Delivery of a complete compiled set of Project Record Documents to the Owner and Engineer will be a prerequisite to final payment.
- F. Maintain a copy of all books, records, and documents pertinent to the performance under this Agreement for a period of five years following completion of the contract.

END OF SECTION

SECTION 02511

PERMANENT PAVEMENT REPAIR

PART 1 GENERAL

1.01 WORK INCLUDED

- A. Permanent pavement repair shall consist of furnishing, placing and compacting, bituminous base, leveling, surface course, saw cutting, and all labor, materials, equipment else needed to repair existing pavements excavated for installation of proposed pipelines or otherwise disturbed by construction.
- B. Milling shall consist of removal without heat of the existing surface to minimum depth as shown on the pavement repair detail as necessary to produce the desired profile, cross- section, and grid surface or bonding surface. The texture produced for finished pavement shall be a grit surface with uniform discontinuous longitudinal striations having a maximum depth of 0.25 inches. The Contractor shall dispose of milled material and sweepings resulting from the milling operation.

1.02 RELATED WORK

- A. Section 02230 – Granular Materials
- B. Section 02270 - Soil Erosion and Sediment Control

1.03 SYSTEM DESCRIPTION (NOT APPLICABLE)

1.04 REFERENCES

- A. New Jersey Department of Transportation, Standard Specifications for Road and Bridge Construction, latest revision.

1.05 GUARANTEE

- A. The Contractor will be held responsible for any pavement failures due to settlement or failures associated with his excavations, for a period of five (5) years from the date of the pavement's installation and acceptance.
- B. If, at any time during the five (5) year period following final acceptance of paving work under this contract, any part of the paving or surfacing work which, in the opinion of the Owner, requires replacement, repair, or remedial action to damaged private or public property (caused by any defect in the paving work), the Owner will require the Contractor to make the necessary repairs or replacement to the Owner's satisfaction within ten (10) days of notification.

PART 2 PRODUCTS

2.01 PAVING PRODUCTS

- A. All materials shall be in conformance with the Standard Specifications for Road and Bridge Construction of the NJDOT, latest edition. Job mix formulas which shall be used are as follows:

COURSEMIX NUMBERS

Dense Graded Aggregate	See below
Base Course (City)	HMA 19M64
Base Course (County)	HMA 25M64
Bituminous Concrete Surface Course (City)	HMA 9.5 M64
Bituminous Concrete Surface Course (County)	HMA12.5M64

B. Borrow Material

1. Shall be a structural type dense graded aggregate as per NJDOT specification section 901.10 (formerly QP -“quarry process” stone). General type fill material shall not be accepted. Excavated materials shall not be reused as trench backfill.
2. Crushed concrete or recycled materials are acceptable for use if they conform to NJDOT gradation requirements and New Jersey Department of Environmental Protection (NJDEP) characterization testing.
3. Fill material shall be imported from off the site and shall meet the following gradation requirements:

<u>U.S. Sieve Size</u>	<u>Percent Passing</u>
1-1/2-Inch	100
3/4-Inch	55-90
No. 4	25-50
No. 50	5-20
No. 200	3-10

- C. Contractor shall notify the Engineer 48 hours prior to construction of permanent pavement repairs. Pavement repairs shall be made by excavating the trench area to the specified depth, neatly saw cutting the edges of existing pavements, consolidating or compacting the proposed sub-grade (top of backfill), and placing the pavement as described herein. Milling and placement of surface course shall not proceed until final acceptance of pipelines and the bituminous stabilized base course has been given by the Engineer. Unless determined otherwise by Engineer, bituminous stabilized base course shall be installed within 24 hours of completion of trench backfill and compaction and shall serve as the temporary surface until final top course paving is installed.
- D. Milling and placement of surface course shall not be initiated until a minimum of 60-90 days after installation of base course, or as directed by the Engineer.
- E. The Contractor shall continuously maintain pavement for entire construction period. Contractor shall inspect trenches for settlement at such intervals as may be necessary. In particular, it shall inspect trenches immediately following rainstorms, winter thaws, and similar occurrences which may cause settlement, erosion, or other problems. Contractor shall promptly make necessary repairs to maintain trenches in a satisfactory condition at no additional cost to the Owner regardless of the fact payment for backfilling and compaction and paving have previously been made. In the event the Contractor fails to make such repairs, the Engineer may make such repairs as are deemed necessary and the Contractor shall pay for the cost of this work.
- F. All concrete pavement shall be saw cut with a power driven concrete saw as to permit complete breakage of concrete pavement without ragged edges.

- G. All surfaces to be in contact with new hot mix asphalt shall receive a uniform coating of RC-70 Tack Coat or Asphalt Emulsion Tack Coat.

PART 3 EXECUTION

3.01 SUBBASE

- A. Contractor shall furnish and install subbase as required in 2.01A of this Section.

3.02 BASE COURSE

- A. Hot mix asphalt shall be HMA 19M64, 6" thick for City roads and HMA 25M64, 10" thick for County roads.
- B. The base course shall consist of hot mix asphalt constructed in two equal lifts to the thickness as listed in 3.02A. Construction methods for laying conditions, placing and compacting the hot mix asphalt shall be the same as specified below for surface course. If the distance from the edge of the excavation work area to the existing curb is less than three feet, the Contractor shall excavate the existing pavement to the curb and evenly install bituminous stabilized base course in the entire area.
- C. After 90 days, or at the discretion of the Engineer, the top portion of the bituminous stabilized base shall be milled and surface course shall be installed as shown on the detail in the plans.
- D. Prior to opening any road to vehicular traffic, manholes and valve boxes shall be flush to grade, and/or feathered to grade with bituminous concrete patch or as required by the local, County, or State Road Department. This patch material shall slope from the top of the casting to the existing pavement and provide a smooth surface for safe vehicular traffic.
- E. In addition to valve box castings, all existing utility boxes, grates, manholes and appurtenances within the area proposed for pavement repair shall be raised or adjusted to final grade prior to placement of pavement.
- F. All compaction shall be performed with a minimum vibratory rammer.

3.03 MILLING

- A. The equipment used for milling shall be a self-propelled, planning, grinding or cutting machine possessing sufficient power, traction, and stability to maintain accurate depth of cut and slope. The machine shall be equipped with automatic grade and slope controls capable of producing a finished profile within +.02 feet of a referenced elevation and a matching seam within +.01 feet of an adjacent profile cut. The machine shall be capable of removing, in one pass, the specified layer of pavement to a maximum depth of 4 inches. Additionally, the machine shall be capable of cutting a smooth transition (daylight) which maintains the desired profile. Machines which are equipped with heating devices to soften the pavement shall not be allowed.
- B. The speed of the machine shall be variable and adequate in order to produce a finished, textured surface.
- C. Milling shall start at the low side of the cross-section and progress toward the high side. Provisions shall be made for operation, such as by lateral saw cuts into the shoulder area. In the event that all

milled areas which are opened to traffic have not been milled to a flush surface by the end of the work day, the longitudinal edges of the milled area, exceeding 1-1/2 inches high, shall be sloped and a smooth transition shall be provided at the transverse edges.

- D. The machine shall be equipped with an integral loading and reclaiming means in order to immediately remove material being cut from the surface of the roadway so as not to present a hazard or allow the material to be re-compacted into the texture. The machine shall also be equipped with an effective means of controlling dust.
- E. The equipment productivity shall commensurate with the scope of the work. In the case of roadway profiling/texturing, it shall be capable of producing 20 square yards per minute of operation.
- F. The surface of the existing bituminous pavement shall be removed to a maximum depth of 2", or as required, to provide the desired texture uniformly across the entire pavement surface.
- G. The areas around inlets, manholes, water boxes, gas valves, etc., shall be cut to the new profile of the roadway, leaving only the manhole frames projecting.
- H. Excess material resulting from the operation is to be deposited by the Contractor in trucks, by means of a conveyor belt or other suitable means and disposed of at sites outside the municipality at a location secured by the Contractor. The pavement shall be swept clear by mechanical brooming immediately after completion of the milling operation.
- I. If the distance from the edge of excavation work area to the existing curb is less than three feet, the Contractor shall mill this area as well as the excavation work area and the area within three feet of the curb.

3.04 SURFACE COURSE

- A. Mill and hot mix asphalt shall be HMA 9.5M64, 2" thick for City roads and HMA 12.5M64, 2" thick for County roads.
- B. Surface course shall consist of a leveling course, to obtain a uniform cross section and an even road grade if and where required, and the pavement surface course. The thickness after proper compaction of the pavement surface course shall be the thickness as listed in 3.04A. Prior to paving the top course, the trench area shall be broom swept clean and the bituminous stabilized base course pavement given an application of tack coat at a rate of 0.05 to 0.10 gallons per square yard. The tack coat material shall be RC-70 Tack Coat or an emulsified asphalt which shall be spread by power operated equipment.
- C. Pavement shall be machine laid where applicable, finished, and rolled in accordance with the applicable provisions of the New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction, latest edition. No materials shall be laid when the temperature falls below 40 degrees Fahrenheit or the existing surface is wet or damp. The pavement shall be adequately sloped to provide proper drainage. After spreading and while still hot, the pavement course shall be compacted thoroughly and uniformly by rolling. The initial rolling shall be done with a 3-wheel roller followed by a two or three-axle tandem roller. The 3-wheel rollers and the three-axle tandem rollers shall have a total metal weight of not less than 10 tons. The two-axle tandem roller shall have a total metal weight of not less than 8 tons.
- D. The Owner may require, at its own expense, that core samples be taken and laboratory tests be made of representative samples of any material supplied and used under these specifications to substantiate the

compliance with the various types of mixes, as set forth in the NJDOT specifications. The material shall be tested by a certified testing laboratory for composition, air voids, and thickness. The contractor shall reimburse the Owner for all costs of sampling, transportation, tests and analysis if the material is not found to be in conformance with the specifications.

- E. Any existing pavement stripes or markings shall, prior to cutting for the trench, be noted by the Contractor, and, after placement of top course be reapplied in the same configuration and color as the existing markings.
- F. Only pavers utilizing automatic grade control with a suitable shoe or ski type sensor shall be used when constructing surface course pavements in areas which have been milled.

3.05 JOINT FILLING

- A. Following placement of the asphalt surface course, the joints where the new asphalt abuts the old shall be sealed with a hot poured asphalt joint sealer.

3.06 REPAIR JOINTS WITHIN WHEEL PATH

- A. The asphalt patch area for street excavations that fall within the wheel path of the vehicular travel lane shall be increased in size to the center of the lane or adjacent lane. In no circumstance will the edge of a patch area be allowed to fall within the wheel path.

3.07 SURFACE TOLERANCES FOR STREET REPAIRS

- A. Surface tolerances for street repairs should meet the standard for construction. That is, the finished surface of the street repair, when tested with a ten (10) foot straightedge parallel to the centerline or perpendicular across joints, will show variations measured from the testing face of the straightedge to the surface of the street repair which do not exceed one-half inch.

3.08 INSPECTIONS

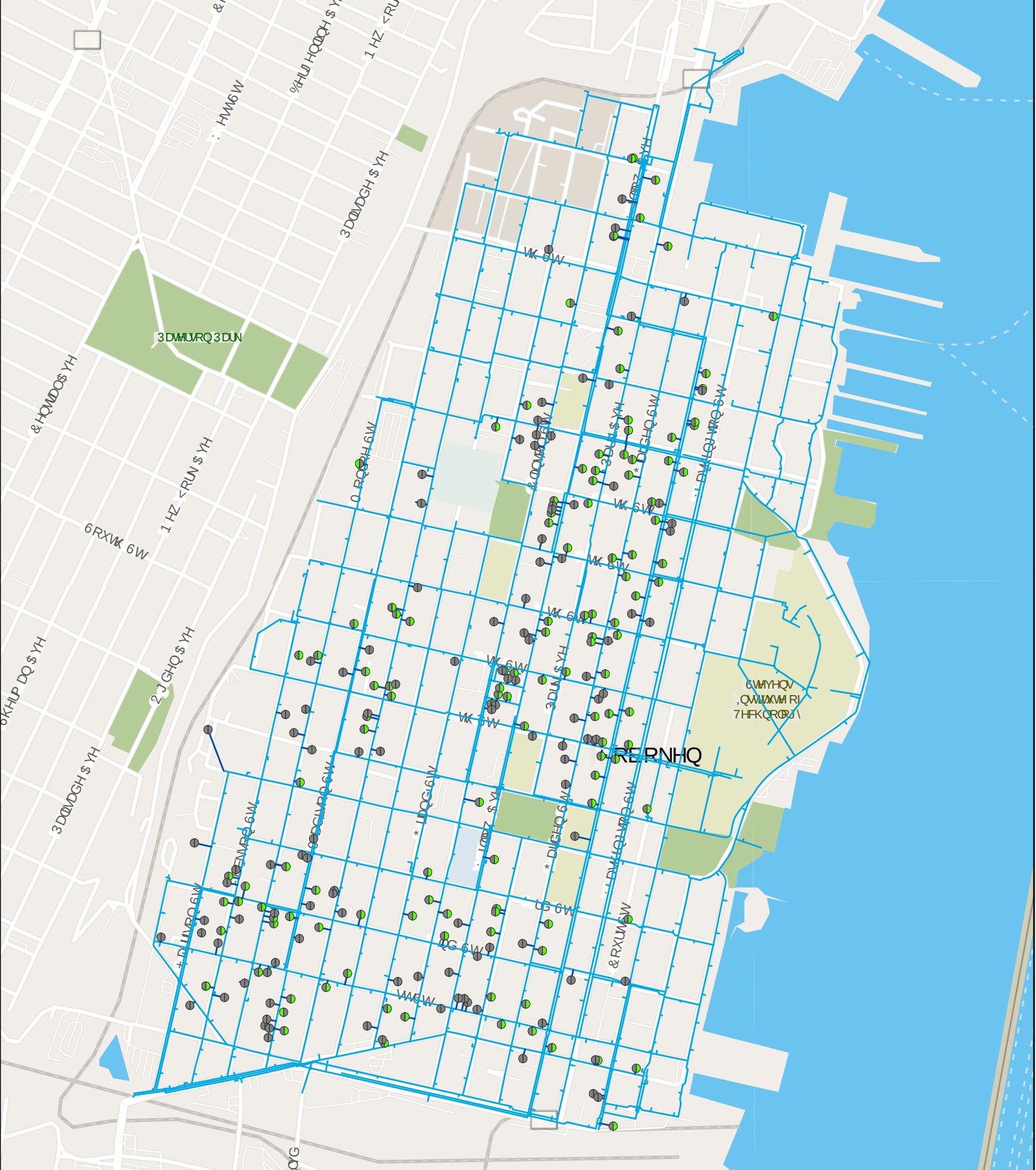
- A. No backfill or pavement placement shall be undertaken except in the presence of a County or City Road Inspector, depending on the jurisdiction of the roadway, and the Engineer.

3.09 REPLACEMENT OF DAMAGED ITEMS

- A. Traffic stripping, markings and traffic signal loop detectors damaged during construction shall be replaced in kind by the Contractor and at the Contractor's expense.

END OF SECTION

APPENDIX A –
PRIMARY LIST OF VACUUM EXCAVATION
LOCATIONS



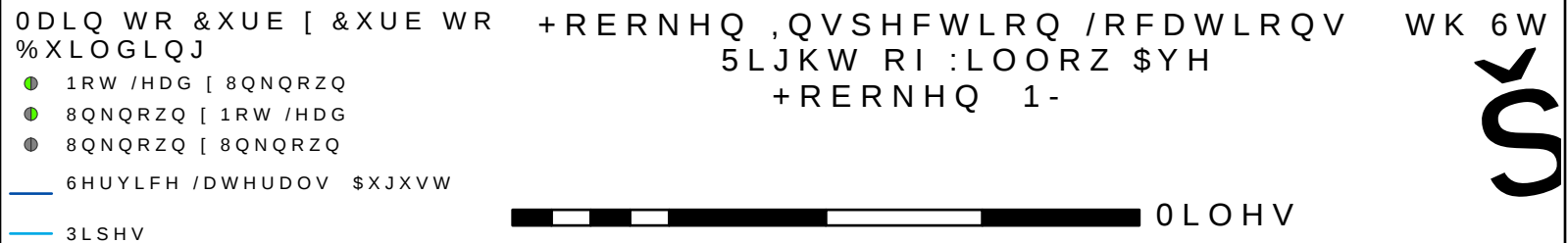
0DLQ WR &XUE [&XUE WR
%XLOGLQJ

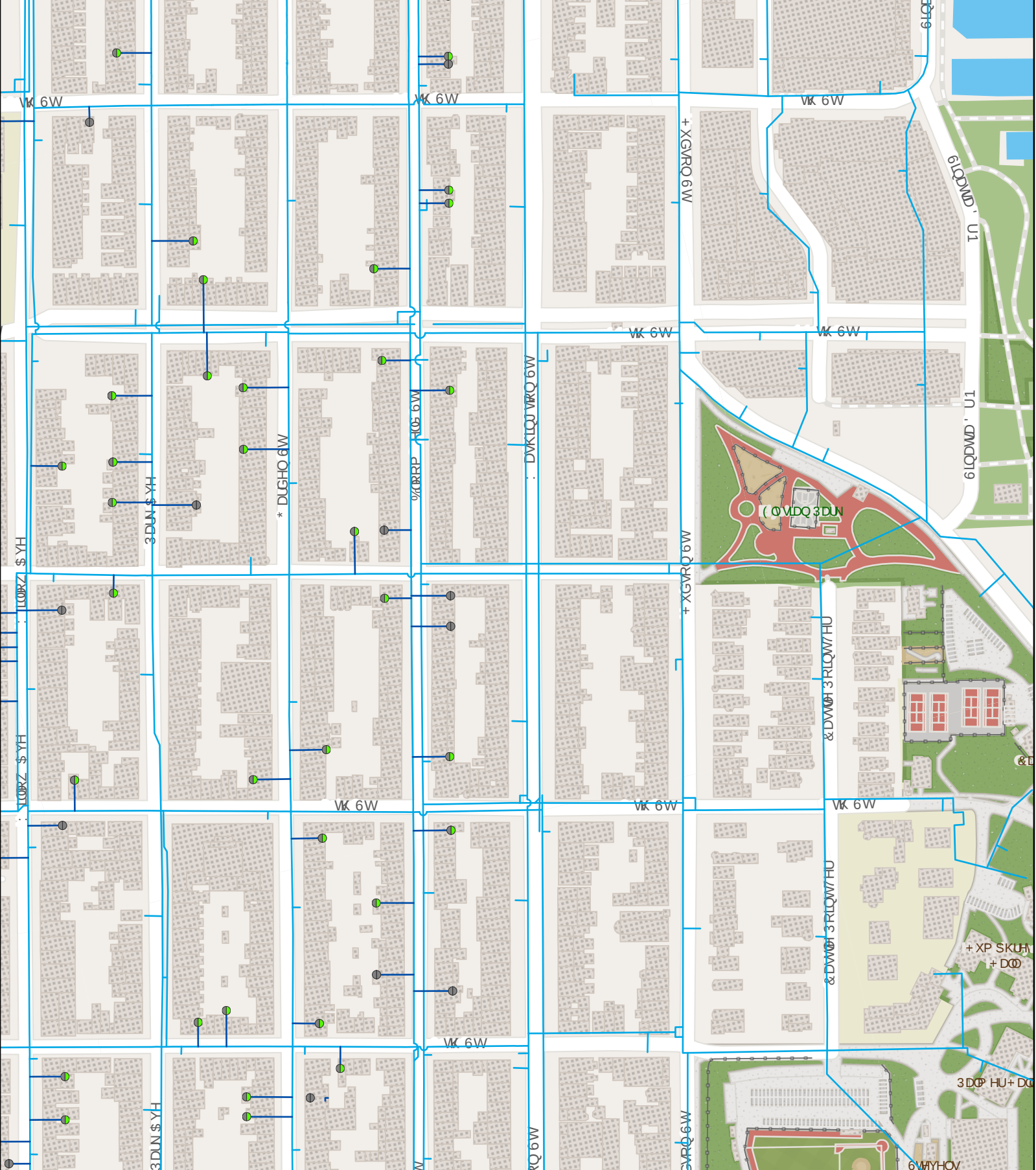
● 1RW /HDG [8QNQRZQ
● 8QNQRZQ [1RW /HDG
● 8QNQRZQ [8QNQRZQ

— 6HUULFH /DWHUDOV \$XJXVW
— 3LSHV

+RERNHQ ,QVSHFWLRQ /RFDWLRQV
+RERNHQ 1-

0LOHV





0DLQ WR &XUE [&XUE WR +RERNHQ ,QVSHFWLRQ /RFDWLRQV WK 6W M

%XLOGLQJ 5LJKW RI :LOORZ \$YH

+RERNHQ 1-

● 1RW /HDG [8QNQRZQ

● 8QNQRZQ [1RW /HDG

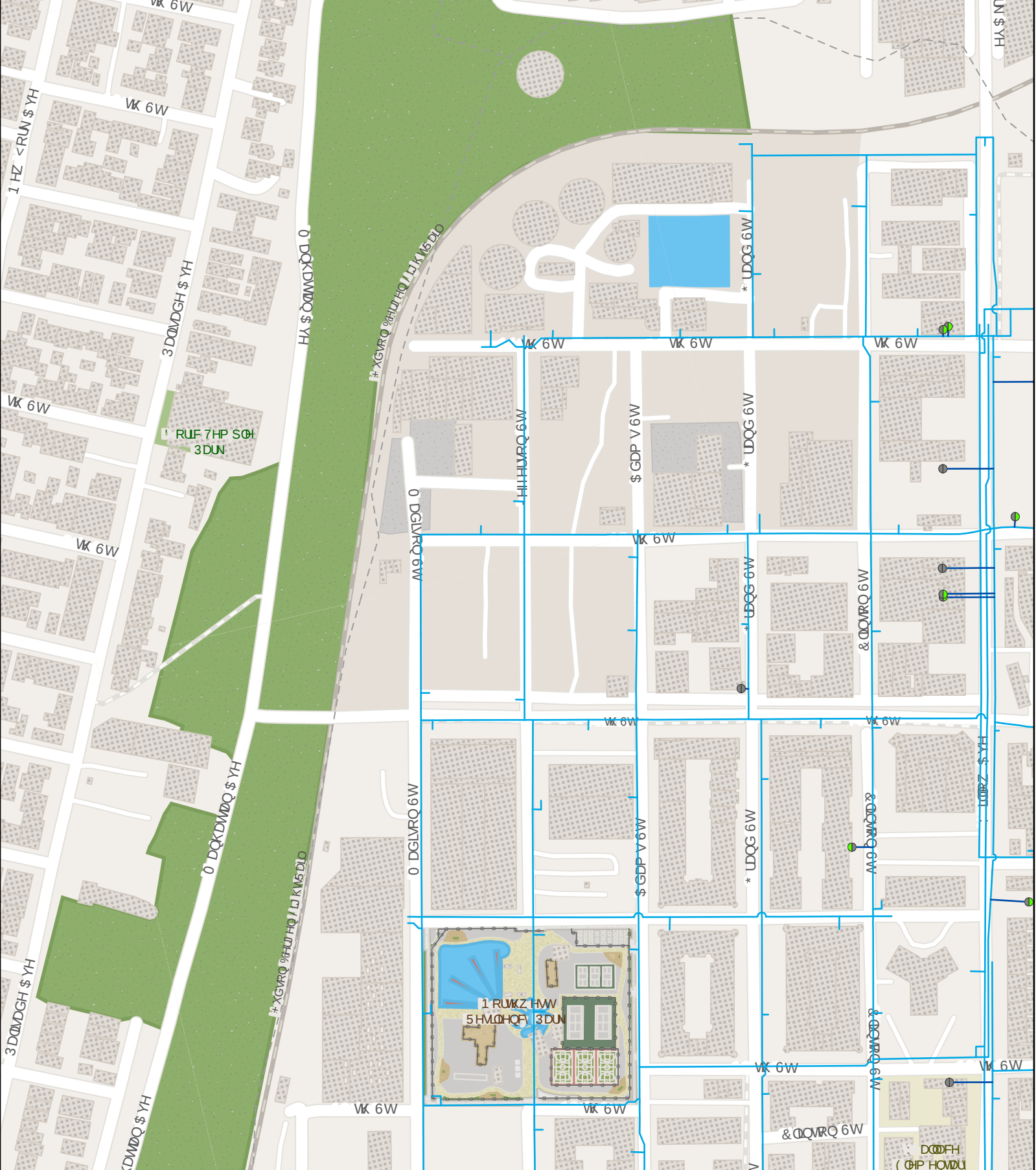
● 8QNQRZQ [8QNQRZQ

— 6HUylFH /DWHUDOV \$XJXVW

— 3LSHV

0LOHV





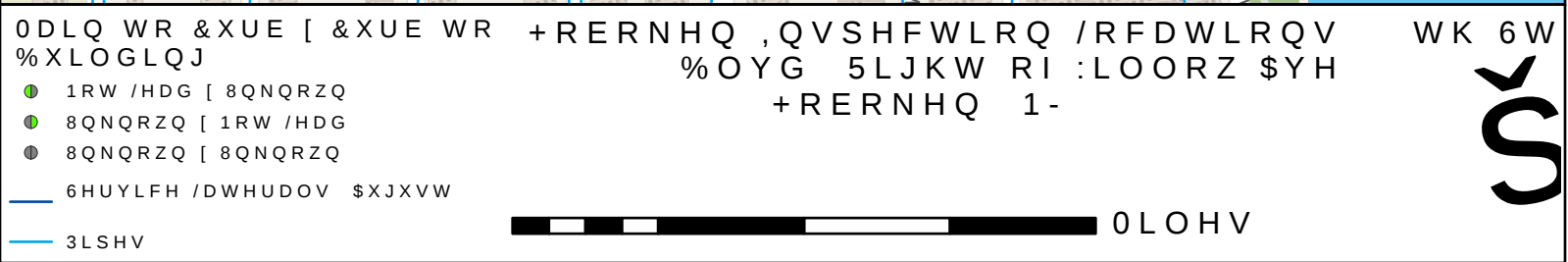
0DLQ WR &XUE [&XUE WR +RERNHQ ,QVSHFWLRQ /RFDWLRQV WK 6W

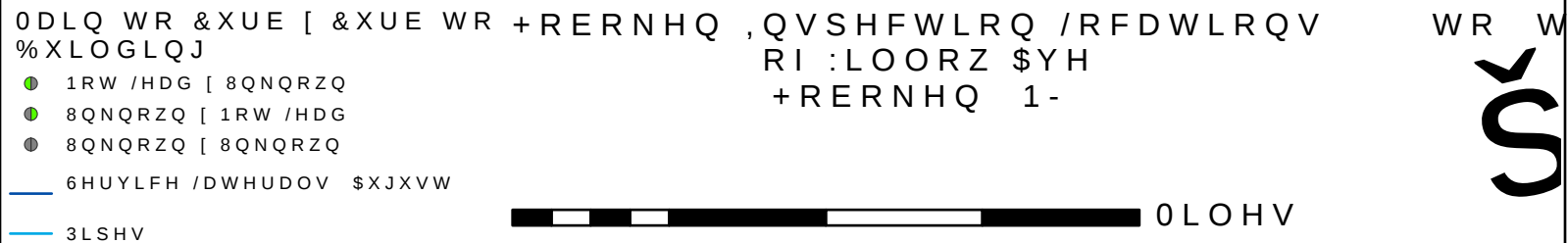
%XLOGLQJ /HIW RI :LOORZ \$YH

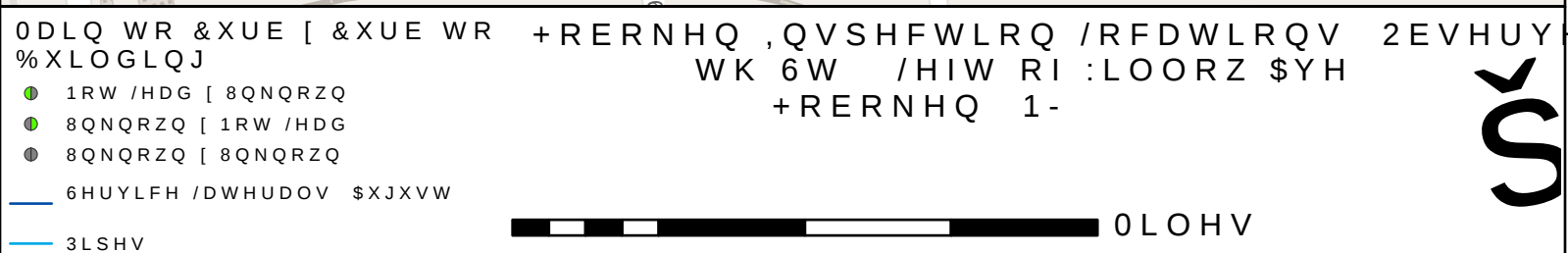
+RERNHQ 1-

- 1RW /HDG [8QNQRZQ
- 8QNQRZQ [1RW /HDG
- 8QNQRZQ [8QNQRZQ
- 6HUYLEFH /DWHUDOV \$XJXVW
- 3LSHV

0LOHV







Initial Vacuum Excavation Locations

(Subject to change)

No.	External ID	ADDRESS	STREET	MAIN TO CURB MATERIAL	CURB TO METER MATERIAL
1	9072220772	1004 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Unknown
2	8914220447	101 MARSHALL DR	MARSHALL DR	Unknown	Unknown
3	6179120052	101 WILLOW AVE	WILLOW AVE	Unknown	Unknown
4	4797120583	1011 PARK AVE	PARK AVE	Unknown	Unknown
5	7462120365	1012 PARK AVE	PARK AVE	Unknown	Copper
6	5200220225	1015 WILLOW AVE	WILLOW AVE	Unknown	Copper
7	2997120887	1020 GARDEN ST	GARDEN ST	Unknown	Copper
8	3098120049	1021 Grand St (F/L)	GRAND ST	Unknown	Unknown
9	9988120402	1024 CLINTON ST	CLINTON ST	Unknown	Unknown
10	0562120548	1024 PARK AVE	PARK AVE	Unknown	Copper
11	8997120929	1032 GARDEN ST	GARDEN ST	Unknown	Copper
12	9927220458	1034 CLINTON ST 1	CLINTON ST	Unknown	Unknown
13	7562120839	1038 PARK AVE	PARK AVE	Unknown	Copper
14	6771120406	1039 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Copper
15	3827220110	1039 CLINTON ST 3	CLINTON ST	Unknown	Unknown
16	5142120165	104 6TH ST	6TH ST	Unknown	Copper
17	7272220125	1040 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Copper
18	4909120270	1040 GRAND ST	GRAND ST	Unknown	Copper
19	0509120014	105 WILLOW CT	WILLOW CT	Unknown	Non-Lead
20	2250920027	108 JACKSON ST 1	JACKSON ST	Unknown	Copper
21	2262120782	109 2ND ST	2ND ST	Unknown	Unknown
22	7037220501	109 GRAND ST	GRAND ST	Unknown	Unknown
23	0714220899	1100 CLINTON ST	CLINTON ST	Unknown	Unknown
24	0672220476	1106 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Copper
25	7795220134	1107 GRAND ST 1	GRAND ST	Unknown	Copper
26	3250920047	111 PARK AVE	PARK AVE	Unknown	Copper
27	0198120197	1110 CLINTON ST	CLINTON ST	Unknown	Unknown
28	2297120750	1111 PARK AVE	PARK AVE	Unknown	Copper
29	5419120634	1119 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Copper
30	7629120414	112 CLINTON ST	CLINTON ST	Unknown	Unknown
31	4419120540	1121 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Copper
32	6777120125	113-117 Garden St	GARDEN ST	Unknown	Ductile Iron
33	1839120795	1132 WILLOW AVE	WILLOW AVE	Unknown	Unknown
34	7187120593_1	115 HARRISON ST	HARRISON ST	Unknown	Unknown
35	4032762647	117 Harrison St	HARRISON ST	Unknown	Unknown
36	5055220471	117 MADISON ST	MADISON ST	Unknown	Unknown
37	3669120290	118 WILLOW AVE	WILLOW AVE	Unknown	Unknown
38	7509120837	119 WILLOW CT	WILLOW CT	Unknown	Copper
39	8559120324	12 WILLOW TER	WILLOW TER	Unknown	Copper
40	0432220623	1205 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Unknown
41	9900220648	1206 PARK AVE	PARK AVE	Unknown	Copper
42	9332220837	1207 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Copper
43	8509120678	121 WILLOW CT	WILLOW CT	Unknown	Unknown
44	4912975149	1221 WILLOW AVE (LEGION PARK)	WILLOW AVE	Unknown	PVC
45	1332220959	1223 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Copper
46	6250920007	123 -125 JACKSON ST	JACKSON ST	Unknown	Unknown
47	2868220137	125 MONROE ST	MONROE ST	Unknown	Copper
48	4819220317	128 JEFFERSON ST	JEFFERSON ST	Unknown	Copper
49	0868220657	129 MONROE ST	MONROE ST	Unknown	Copper
50	7117220104	130 MADISON ST	MADISON ST	Unknown	Copper
51	8250920009	1300 CLINTON ST	CLINTON ST	Non-Lead	Unknown
52	3210220378	1300 PARK AVE	PARK AVE	Unknown	Unknown
53	9250920048	131 MONROE ST FL	MONROE ST	Unknown	Unknown
54	3136220023	132 JACKSON ST	JACKSON ST	Unknown	Copper
55	2355220709	132 MONROE ST	MONROE ST	Unknown	Copper
56	3355220070	133 JACKSON ST	JACKSON ST	Unknown	Copper
57	4912230031	1404 GRAND ST	GRAND ST	Unknown	Unknown
58	1551504501	1415 Park Ave REDUN F/L	PARK AVE	Unknown	Ductile Iron

Initial Vacuum Excavation Locations

(Subject to change)

No.	External ID	ADDRESS	STREET	MAIN TO CURB MATERIAL	CURB TO METER MATERIAL
59	0395788932	1420 WILLOW AVE	WILLOW AVE	Unknown	Ductile Iron
60	0395142097	1420 WILLOW AVE	WILLOW AVE	Unknown	Ductile Iron
61	4024220929	1426 - 1428 WILLOW AVE	WILLOW AVE	Unknown	Unknown
62	9252993683	1450 WASHINGTON ST (AKA 105 15TH ST)	WASHINGTON ST	Unknown	Ductile Iron
63	9909220631	150 1ST ST	1ST ST	Unknown	Unknown
64	7198120321	1500 WILLOW AVE	WILLOW AVE	Unknown	Unknown
65	223220381	154 6TH ST	6TH ST	Unknown	Copper
66	5072220220	156 10TH ST	10TH ST	Unknown	Copper
67	5368220309	157 1ST ST	1ST ST	Unknown	Copper
68	7268220707	159 NEWARK ST	NEWARK ST	Unknown	Unknown
69	7130220280	160 6TH ST	6TH ST	Unknown	Unknown
70	2122120350	1600 PARK AVE	PARK AVE	Unknown	Non-Lead
71	5298120541	1600 WILLOW AVE	WILLOW AVE	Unknown	Copper
72	6298120802	1601-05 CLINTON (16TH ST) (F/L)	CLINTON ST	Unknown	Copper
73	4542220185	161 7TH ST	7TH ST	Unknown	Unknown
74	6130220450	162 6TH ST	6TH ST	Unknown	Unknown
75	6111320319	163 14TH ST	14TH ST	Unknown	Unknown
76	6423220181	163 8TH ST	8TH ST	Unknown	Copper
77	3130220427	168 6TH ST	6TH ST	Unknown	Unknown
78	4812120537	200 HUDSON ST	HUDSON ST	Unknown	Unknown
79	1086120577	201 JEFFERSON ST	JEFFERSON ST	Unknown	Unknown
80	1541220298	203 MADISON ST	MADISON ST	Unknown	Unknown
81	3914220747	204 JACKSON ST	JACKSON ST	Unknown	Unknown
82	6068220214	205 1ST ST	1ST ST	Unknown	Copper
83	5287220997	207 6TH ST	6TH ST	Unknown	Unknown
84	1456220502	208 8TH ST	8TH ST	Unknown	Copper
85	6337220792	208 JACKSON ST	JACKSON ST	Unknown	Ductile Iron
86	2919120143	208 WILLOW AVE (F/L)	WILLOW AVE	Unknown	Unknown
87	2324220671	209 GRAND ST (DOM & F/L)	GRAND ST	Unknown	Copper
88	0086220610	210 GARDEN ST	GARDEN ST	Unknown	Unknown
89	7548692452	210 JEFFERSON ST	JEFFERSON ST	Unknown	Unknown
90	6597120423	211 11TH ST	11TH ST	Unknown	Non-Lead
91	3178220908	211 GARDEN ST	GARDEN ST	Unknown	Copper
92	9297120499	212 11TH ST	11TH ST	Unknown	Copper
93	2339120533	212 PARK AVE	PARK AVE	Unknown	Copper
94	8441220322	213 MADISON ST	MADISON ST	Unknown	Copper
95	8356220723	214 8TH ST	8TH ST	Unknown	Copper
96	8447120475	214 JACKSON ST	JACKSON ST	Unknown	Unknown
97	8541220797	214 JEFFERSON ST	JEFFERSON ST	Unknown	Unknown
98	7137220661	217 219 CLINTON ST	CLINTON ST	Unknown	Ductile Iron
99	4238220461	220 7TH ST	7TH ST	Unknown	Copper
100	2217120160	222 CLINTON ST (232)	CLINTON ST	Unknown	Copper
101	7159120103	222 HARRISON ST BDG 2	HARRISON ST	Unknown	Unknown
102	5046220253	222 MONROE ST	MONROE ST	Unknown	Unknown
103	5217220002	225 MONROE ST	MONROE ST	Unknown	Copper
104	8777120255	226 PARK AVE FL	PARK AVE	Unknown	Copper
105	0439120075	228 PARK AVE	PARK AVE	Unknown	Copper
106	4759120519	23 WILLOW CT	WILLOW CT	Unknown	Unknown
107	7416920066	230 MADISON ST	MADISON ST	Unknown	Unknown
108	9788220523	232 MADISON ST	MADISON ST	Unknown	Unknown
109	0078220574	237 GARDEN ST	GARDEN ST	Unknown	Copper
110	5659120653	24 WILLOW TER	WILLOW TER	Unknown	Copper
111	1279120402	252 1ST ST	1ST ST	Unknown	Unknown
112	7239120188	252 2ND ST	2ND ST	Unknown	Unknown
113	6799120924	253 10TH ST	10TH ST	Unknown	Copper
114	2289120197	255 6TH ST	6TH ST	Unknown	Unknown
115	4662120044	257 12TH ST	12TH ST	Unknown	Unknown
116	9179120768	258 1ST ST LDRY	1ST ST	Unknown	Unknown

Initial Vacuum Excavation Locations

(Subject to change)

No.	External ID	ADDRESS	STREET	MAIN TO CURB MATERIAL	CURB TO METER MATERIAL
117	7489120425	259 7TH ST	7TH ST	Unknown	Copper
118	8179120618	260 1ST ST	1ST ST	Unknown	Unknown
119	7999120679	260 9TH ST	9TH ST	Unknown	Copper
120	0169120096	261 -263 2ND ST	2ND ST	Unknown	Unknown
121	1759120565	29 WILLOW TER	WILLOW TER	Unknown	Copper
122	2516920001	303 1ST ST	1ST ST	Unknown	Unknown
123	4694120716	30-34 NEWARK ST/92 RIVER ST F/L REIGN	NEWARK ST	Unknown	Copper
124	2727120157	308 8TH ST	8TH ST	Unknown	Unknown
125	0149120448	308 9TH ST	9TH ST	Unknown	Unknown
126	3814220473	310 2ND ST	2ND ST	Unknown	Ductile Iron
127	4098810343	320 MADISON ST CONDO (F/L)	MADISON ST	Unknown	Unknown
128	2539120427	321 WILLOW AVE	WILLOW AVE	Unknown	Copper
129	7788120763	358 3RD ST	3RD ST	Unknown	Copper
130	3959120140	400 WILLOW AVE (RECTORY)	WILLOW AVE	Unknown	Copper
131	6154220266	401 GARDEN ST 8 FL	GARDEN ST	Unknown	Unknown
132	2298220792	401 MONROE ST	MONROE ST	Unknown	Copper
133	7459120564	41 WILLOW TER	WILLOW TER	Unknown	Copper
134	5709120906	411 MARSHALL DR BDG12	MARSHALL DR	Unknown	Unknown
135	2198220584	423 MONROE ST	MONROE ST	Unknown	Unknown
136	4850220696	450 1ST ST	1ST ST	Unknown	Copper
137	4086120859	450 2ND ST	2ND ST	Unknown	Copper
138	7450220615	463 1ST ST	1ST ST	Unknown	Copper
139	0709120007	50 WILLOW CT	WILLOW CT	Unknown	Unknown
140	4342220779	500 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Copper
141	8858120998	501 JEFFERSON ST (450 5TH ST)	JEFFERSON ST	Unknown	Unknown
142	5271867955	502 - 504 MONROE ST	MONROE ST	Unknown	Unknown
143	3237220687	502 JEFFERSON ST FL	JEFFERSON ST	Unknown	Unknown
144	2977120747	508 GARDEN ST	GARDEN ST	Unknown	Unknown
145	5187516886	510 COURT ST	COURT ST	Unknown	Non-Lead
146	3041220592	514 JEFFERSON ST	JEFFERSON ST	Unknown	Copper
147	9676220333	515 JACKSON ST	JACKSON ST	Unknown	Unknown
148	8765120318	51-53 14TH ST	15th ST	Unknown	Ductile Iron
149	3055220207	518 MONROE ST	MONROE ST	Unknown	Unknown
150	4442220634	520 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Copper
151	7041220445	522 JEFFERSON ST	JEFFERSON ST	Unknown	Copper
152	8041220032	524 JEFFERSON ST	JEFFERSON ST	Unknown	Unknown
153	8640220083	526 GARDEN ST	GARDEN ST	Unknown	Unknown
154	0542220015	534 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Copper
155	1845220607	547 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Copper
156	0894120864	55 HUDSON ST	HUDSON ST	Unknown	Copper
157	5017220059	556 1ST ST	1ST ST	Unknown	Unknown
158	6028220957	559 1ST ST	1ST ST	Unknown	Unknown
159	3732120078	56 3RD ST	3RD ST	Unknown	Copper
160	1312120138	56 NEWARK ST	NEWARK ST	Unknown	Copper
161	4011220291	58 MADISON ST	MADISON ST	Unknown	Unknown
162	0312120926	58 NEWARK ST	NEWARK ST	Unknown	Unknown
163	5826220721	59 PATERSON ST	PATERSON ST	Unknown	Unknown
164	3359120762	60 WILLOW CT	WILLOW CT	Unknown	Unknown
165	7068120633	601 JEFFERSON ST	JEFFERSON ST	Unknown	Copper
166	5689120538	601 WILLOW AVE	WILLOW AVE	Unknown	Copper
167	801220099	604 JEFFERSON ST	JEFFERSON ST	Unknown	Copper
168	4944120099	605 JACKSON ST	JACKSON ST	Unknown	Ductile Iron
169	9845220533	607 CLINTON ST	CLINTON ST	Unknown	Unknown
170	8746220968	607 JEFFERSON ST	JEFFERSON ST	Unknown	Copper
171	7620220427	608 MADISON ST	MADISON ST	Unknown	Unknown
172	8665120078	609 -613 JEFFERSON ST	JEFFERSON ST	Unknown	Unknown
173	4827220057	610 MONROE ST	MONROE ST	Unknown	Unknown
174	6936220399	612 2ND ST	2ND ST	Unknown	Copper

Initial Vacuum Excavation Locations

(Subject to change)

No.	External ID	ADDRESS	STREET	MAIN TO CURB MATERIAL	CURB TO METER MATERIAL
175	701220531	613 MADISON ST	MADISON ST	Unknown	Copper
176	1187220329	614 GARDEN ST	GARDEN ST	Unknown	Unknown
177	8236220139	614 MONROE ST	MONROE ST	Unknown	Copper
178	3323220281	624 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Copper
179	1030220079	625 GARDEN ST	GARDEN ST	Unknown	Copper
180	3601220218	627 MADISON ST	MADISON ST	Unknown	Unknown
181	4691120110	631 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Copper
182	6065120693	632 GRAND ST	GRAND ST	Unknown	Unknown
183	4920220217	639 GARDEN ST	GARDEN ST	Unknown	Unknown
184	7914220933	64 MADISON ST	MADISON ST	Unknown	Unknown
185	7914220932	64 MADISON ST	MADISON ST	Unknown	Unknown
186	0129220633	65 MADISON ST	MADISON ST	Unknown	Copper
187	9036220673	650 1ST ST	1ST ST	Unknown	Unknown
188	4761120989	68 HUDSON ST	HUDSON ST	Unknown	Unknown
189	6169120845	68 HUDSON ST SPS	HUDSON ST	Unknown	Unknown
190	0744220842	68 MADISON ST	MADISON ST	Unknown	Unknown
191	4338220941	702 GARDEN ST	GARDEN ST	Unknown	Unknown
192	3824648193	704 MADISON ST	MADISON ST	Unknown	Ductile Iron
193	4623220943	707 GARDEN ST	GARDEN ST	Unknown	Copper
194	2268120193	711 JEFFERSON ST	JEFFERSON ST	Unknown	Copper
195	2501220865	712 JEFFERSON ST	JEFFERSON ST	Unknown	Copper
196	4501220766	716 JEFFERSON ST	JEFFERSON ST	Unknown	Copper
197	6942120107	719 WILLOW AVE	WILLOW AVE	Unknown	Copper
198	2988120979	720 Clinton St (F/L)	CLINTON ST	Unknown	Unknown
199	2487120845	720 WILLOW AVE	WILLOW AVE	Unknown	Unknown
200	5309120269	724 WILLOW AVE	WILLOW AVE	Unknown	Unknown
201	2942120388	727 WILLOW AVE	WILLOW AVE	Unknown	Copper
202	8438220121	730 GARDEN ST	GARDEN ST	Unknown	Copper
203	5927220067	731 JEFFERSON ST	JEFFERSON ST	Unknown	Unknown
204	0538220671	734 GARDEN ST	GARDEN ST	Unknown	Copper
205	1523220920	735 GARDEN ST	GARDEN ST	Unknown	Unknown
206	2827220183	75 77 GRAND ST	GRAND ST	Unknown	Unknown
207	2827220184	75 77 GRAND ST	GRAND ST	Unknown	Copper
208	7952230069	75 JACKSON ST	JACKSON ST	Unknown	Unknown
209	4023176045	77 MADISON ST	MADISON ST	Non-Lead	Unknown
210	6768220513	78 1/2 MADISON ST	MADISON ST	Unknown	Unknown
211	8287120340	78 -80 JACKSON ST	JACKSON ST	Unknown	Ductile Iron
212	8287120341	78 -80 JACKSON ST	JACKSON ST	Unknown	Ductile Iron
213	5329120201	80 GRAND ST	GRAND ST	Unknown	Unknown
214	2573220870	801 GARDEN ST	GARDEN ST	Unknown	Copper
215	0132120004	807 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Unknown
216	2673220076	810 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Unknown
217	9673220147	824 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Copper
218	9109120289	828 WILLOW AVE	WILLOW AVE	Unknown	Unknown
219	2059120328	841 WILLOW AVE	WILLOW AVE	Unknown	Unknown
220	5922120328	843 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Copper
221	1373220902	845 GARDEN ST	GARDEN ST	Unknown	Copper
222	3977220667	85 MADISON ST	MADISON ST	Unknown	Ductile Iron
223	2137220657	88 90 CLINTON ST	CLINTON ST	Unknown	Copper
224	5106220383	88 MONROE ST 1	MONROE ST	Unknown	Unknown
225	347120694	900 JEFFERSON ST	JEFFERSON ST	Unknown	Unknown
226	1508320563	902 GARDEN ST	GARDEN ST	Unknown	Copper
227	1722120846	909 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Copper
228	4429120690	91 GRAND ST	GRAND ST	Unknown	Copper
229	0122220423	911 GARDEN ST	GARDEN ST	Unknown	Copper
230	5365120587	914 MONROE ST (940)	MONROE ST	Copper	Unknown
231	9149120406	916 WILLOW AVE	WILLOW AVE	Unknown	Copper
232	3958220112	92 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Copper

Initial Vacuum Excavation Locations

(Subject to change)

No.	External ID	ADDRESS	STREET	MAIN TO CURB MATERIAL	CURB TO METER MATERIAL
233	4249120570	926 WILLOW AVE BOTM	WILLOW AVE	Unknown	Copper
234	6348220999	928 - 930 JEFFERSON ST	JEFFERSON ST	Unknown	Unknown
235	1128220291	93 MONROE ST	MONROE ST	Unknown	Brass
236	6249120443	930 WILLOW AVE	WILLOW AVE	Unknown	Unknown
237	1899120871	933 WILLOW AVE	WILLOW AVE	Unknown	Unknown
238	8249120840	934 WILLOW AVE	WILLOW AVE	Unknown	Unknown
239	0349120668	938 WILLOW AVE APT3	WILLOW AVE	Unknown	Copper
240	9181120342	943 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Unknown
241	1422220847	944 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Copper
242	5181120707	951 BLOOMFIELD ST	BLOOMFIELD ST	Unknown	Unknown