

ADDENDUM NUMBER 1:
Bid 21-34 North Main Street RRFB Project
March 11, 2021

This Addendum forms part of the original document marked: **Bid 21-34 North Main Street RRFB**.

1). **BIDDER QUESTIONS:**

Bidder questions received by Stantec have been included, with responses, here:

- There is a proposed 1” conduit that is to go into the existing load center. Please provide a detail of how this is to be installed, considering if the existing load center is on an existing concrete foundation.
 - *Detail has been added to the plans, see attached. Note that per paragraph 5.4 of Item 616.261 this work is included in the proposed 1” conduit.*
- Is new conduit required between the old and new light pole location?
 - *No, the intent is to utilize the existing conduit.*
- Is the intent to re-use all existing lighting pole foundations?
 - *No, there is one new light pole foundation included in the contract for the relocated light. A second foundation is incidental to the new proposed light.*
- How are police details to be paid? And/or are they even required?
 - *Police details are not required. Flaggers may be used for traffic control within the work zone.*

2). **REVISE INFORMATION FOR BIDDERS:**

The Bid Submission Options have been changed as follows (This reference shall be changed as noted below everywhere it is found in the contract documents):

*Submit Hardcopy via USPS, FEDEX, or UPS: City of Rochester, NH, Purchasing Agent
31 Wakefield St. Rochester, NH 03867. Reference **Bid 21-34** on package.*

No in-person drop offs. Electronic Submissions will NOT be accepted due to the City’s e-mail system being shut down temporarily.

3). **REVISE PROSECUTION OF WORK (attached):**

Night work has been added to trench, install and backfill the 1” conduit across North Main Street.

4). **REVISE TRAFFIC CONTROL PLAN (attached):**

Night work has been added to trench, install and backfill the 1” conduit across North Main Street.

Alternating one-way traffic has been restricted to night hours only for the 1” conduit installation across North Main Street.

5). REVISE GENERAL PLAN SHEET (Plan sheet 2 of 4) (attached):

Add note referring to night work for conduit installation across North Main Street. See Note 5 on the revised plan sheet.

6). REVISE LIGHTING DETAILS SHEET (Plan sheet 3 of 4) (attached):

Add Existing Cabinet Connection detail and General Note 5 to the sheet.

All else remains unchanged from original bid document.

Please acknowledge receipt of this addendum within your proposal. Failure to do so may subject a bidder to disqualification.

End of Addendum Number 1

NORTH MAIN STREET RRFB

February 2021

Page 1 of 6

Rev. 1 – 03/11/21

PROSECUTION OF WORK

DESCRIPTION OF WORK

In general and without limitation, the work to be done under this Contract includes roadway the installation of a Rectangular Rapid Flashing Beacon (RRFB), new ornamental street light and the relocation of an existing ornamental light, as well as new signage. Work includes the conduit and wiring to power the new RRFB system and street lights, as well as necessary sidewalk and paving restoration.

UTILITIES

There are utility installations in the area belonging to, but not necessarily limited to, the following:

Rochester Public Works Department

Contact: Peter Nourse
Title: Director City Services
Phone: 603-332-4096
Email: peter.nourse@rochesternh.net

Eversource

Contact: Nick Kosko
Title:
Phone:
Email: nickolai.kosko@eversource.com

Comcast

Contact: Shawn Raposa
Title:
Phone:
Email: Shawn.Raposa@comcast.com

Consolidated Communications

Contact: Melissa Auclair
Title:
Phone:
Email: Melissa.Auclair@consolidated.com

Unitil

Contact: Michael Dunn
Title:
Phone:
Email: dunnm@unitil.com

Firstlight

Contact: Ed Robinson
Title:
Phone:
Email: erobinson@firstlight.net

Atlantic Broadband

Contact: Mike Gravel
Title:
Phone:
Email: mgravel@atlanticbb.com

Aerial:

Joint use poles and aerial utility lines are located throughout the project area. These are maintained by Consolidated Communications.

Underground:

There are utility installations in the area belonging to, but not necessarily limited to the following: The City of Rochester, Eversource, Consolidated Communications, Comcast, and Unifil.

The Contractor is responsible for all of the coordination and notifications of the adjacent utilities unless otherwise specifically stated.

Use caution when working near the overhead and underground power distribution and service wires as well as the high-tension wires. Contact the appropriate utility for the precautionary measures required.

The underground utilities shown on the Drawings have been located primarily from information furnished by others and are considered approximate both as to size and location. There may be additional utilities to be encountered that are not shown on the Drawings, and it shall be the Contractor's responsibility to locate all existing utilities and to protect all utilities from damage or harm. All utilities interfered with or damaged shall be properly restored, at the expense of the Contractor, to the satisfaction of the Owner and the utility authority.

Permanent Lighting:

The Contractor shall be responsible for the installation and relocation of new ornamental street lighting as shown and detailed in the plans and specifications. The Contractor shall maintain existing lighting levels along the project area throughout construction.

Temporary Lighting:

The Contractor shall be responsible for providing adequate lighting for construction activities during night work hours. There is no separate payment for lighting during night work hours, as it is considered subsidiary to the individual tasks.

The Contractor shall provide any temporary electricity necessary to prosecute their work, or to power temporary facilities, such as the job trailer. There is no separate payment for temporary electricity.

EXCAVATING, DREDGING OR FILLING STATE WATERS

No permit is required for the work as defined in the Description of Work.

For any work not shown that the Contractor proposes to do in wetlands or waters of the State, make appropriate application, along with the necessary working plans, to the Wetlands Bureau

and, if necessary, to the Corps of Engineers sufficiently in advance for their consideration and approval.

DISPOSAL OF SURPLUS EXCAVATED MATERIALS

Surplus excess material not required for use on the project shall be disposed of legally and safely by the Contractor at his discretion outside of and away from the limits of the project, without any additional compensation. to the City of Rochester's landfill, without additional compensation.

All unsuitable materials shall be removed from the site and disposed of properly by the Contractor.

SITE ACCESS AND STAGING

The Contractor may establish a staging area within the City's Right-of-Way, outside the clear zone, and subject to the approval of the Engineer. Upon completion of work, the surface of the ground, pavement, and any other areas or property disturbed by the Contractor shall be restored to the condition in which it existed prior to the commencement of work and to the reasonable satisfaction of the City. Cost to be subsidiary to Item 692, Mobilization.

Materials, including excavation intended for backfill, shall not be stored or stacked within any roadway clear zones, or in a manner that obstructs adequate sight lines unless specifically permitted in writing by the Engineer. The Contractor is responsible for providing security and erosion controls as required to protect any stockpiles at no cost to the City.

RIGHT-OF-WAY AND PROTECTION OF PROPERTY

The work is anticipated to take place within the City's Right of Way, no easements or acquisitions have been obtained by the City for the purpose of this project. Should the Contractor's work plan require encroachments on private property, the Contractor shall negotiate that access at no additional cost to the City.

Protect all mailboxes and maintain them in accessible locations. Upon completion of the project, mailboxes shall be set at permanent locations as ordered and mounted on new posts and assemblies. All work related to mailbox maintenance and relocation shall be subsidiary to Item 619.1 - Maintenance of Traffic. New mailbox supports ordered will be paid under Item 670.066 - Mailbox Post Assemblies. Mailbox support assemblies damaged by the Contractor shall be replaced at no cost to the City.

ABUTTER ACCESS

Access to private property must be maintained throughout the duration of construction. Work adjacent to, or within private driveways must be coordinated with the property owners at least one week in advance. Private driveways may be closed off during working hours, with previous approval from the property owner, but they must be reopened at night and on the weekends. Access to businesses shall be maintained at all times. Alternative access must be provided if work will close a driveway temporarily.

GEOTECHNICAL INFORMATION

There have been no geotechnical investigations undertaken for this project.

CONSTRUCTION REQUIREMENTS

General

1. Inspection of Conditions: Inspect the conditions under which Work is to be performed. Do not proceed until unsatisfactory conditions have been corrected in an acceptable manner, and at no additional cost to the Owner.
2. Manufacturer's Written Instructions: Comply with manufacturer's written installation instructions and recommendations, to the extent that those instructions and recommendations are more explicit or stringent than requirements contained in the Contract Documents.
3. Inspect materials or equipment immediately upon delivery and again prior to installation. Reject damaged and defective items, all at no additional cost to the Owner.
4. Provide attachment and connection devices and methods for securing work. Secure work true to line and level. Allow for expansion and utility movement.
5. Recheck measurements and dimensions before starting installation or erection.
6. Install each component during weather conditions and project status that will ensure the best possible results. Isolate each part of the completed construction from incompatible material to prevent deterioration.
7. Coordinate temporary enclosures with required inspections and tests, to minimize the necessity of uncovering completed construction for that purpose.

Barrier

1. Use Temporary Traffic Control Barrier (Item 606.95) to separate traffic from the work areas as necessary, subsidiary to Item 619.1. If open excavations adjacent to the active travel ways are permitted to remain through non-work hours, protect traffic from these areas by either using temporary traffic control barrier (conforming to Item 606.95) at the Contractor's expense, subsidiary to Item 619.1, or providing a 2:1 or flatter slope (4:1 if the drop off is greater than 5').

Drainage

1. It shall be the Contractor's responsibility to properly maintain existing drainage flows in areas under construction during the life of the Contract.
2. The Contractor shall provide necessary measures to maintain drainage and minimize ponding on the pavement during construction.
3. It shall be the responsibility of the Contractor to repair or clean any drainage systems that have been fouled by the Contractor's operations without additional compensation.

EXCAVATIONS

Excavations adjacent to roadways, as well as active and accessible driveways, shall not remain open through non-work hours, unless adequately protected by temporary traffic control barrier (at the Contractor's expense and specifically authorized by the Engineer) or flattened to a minimum 2:1 (4:1 if the drop off is greater than 5') or flatter slope within 16 feet of the edge of the travel way.

BOUNDS

The Contractor shall exercise due care when working around all bounds and other survey monuments that are to remain. Should any damage to a monument result from the actions of the Contractor, it shall be replaced and/or realigned by a licensed surveyor in the State of NH, at the Contractor's expense. No further compensation will be due to the Contractor for the materials and labor required to re-establish the monument in its proper orientation.

It is the responsibility of the Contractor to record locations of all property/right-of-way monumentation, adjacent to or within the limits of construction, prior to commencement of work. This record will be used to reset any monumentation disturbed by the Contractor's activities. No additional payment shall be made for this work.

Bounds that are disturbed within the project slope limits will be reset by others, after the completion of construction.

ELECTRONIC SCHEDULING

The Contractor shall submit an electronic Bar Chart for documentation in accordance with 105.02. Refer to Section 108.03.A - Progress Schedule for detailed information.

SALVAGE OF MATERIALS

Salvaged materials, if deemed suitable for reuse by the Engineer, shall be stockpiled by the Contractor at approved location(s) within the project limits to be picked up by the City and load these materials onto the City's trucks. Materials deemed not salvageable, including guardrail posts, shall become the property of the Contractor who is responsible for proper disposal.

WORK HOURS

Do not perform any work involving high noise machinery such as jackhammers or excavating equipment, including starting and warming up the equipment, prior to 7:00 a.m. or after 7:00 p.m., unless otherwise permitted in the contract or approved by the Engineer.

In addition to the Limitation of Work requirements described in 108.04, do not perform any work during special events scheduled by the City of Rochester unless otherwise approved.

NIGHT WORK

Night work shall be required for the trenching, installation and backfill of the 1” conduit across North Main Street. Any additional night work must be requested by the Contractor and approved by the City in advance.

There shall be no extra payment for night work, it is included in the individual items. See also Temporary Lighting above.

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WINTER MAINTENANCE PERIOD

Winter work is not anticipated to be necessary in order to meet completion dates included in this contract. Any work proposed by the Contractor between November 15th and May 1st of any year shall require advanced permission from the Engineer. Sheet pile driving and tree clearing (no grubbing) will be allowed during the winter shutdown period, other tasks may be allowed, if the City feels the work is beneficial to the City, and the Contractor’s work plan is acceptable. The Contractor will be required to present the City with a work plan detailing the proposed work to be completed and timelines prior to commencing this work. Weather and temperature restrictions described in the NHDOT Standard Specifications for Road and Bridge Construction on specific items shall apply to all work between November 15th and May 1st. There shall be no separate payment for work within the winter season. See below for more details regarding substantial and final completion requirements.

SUBSTANTIAL COMPLETION DATE

Substantial completion is 90 days after the Notice to Proceed (NTP)

The project shall be considered substantially complete when the following have been accepted:

- New lighting is in place and functioning
- RRFB system is in place and functioning.
- Sidewalk restoration has been completed and the sidewalks are open to pedestrian traffic.

COMPLETION DATE

The Final Completion Date is 15 days after the Substantial completion date.

No allowance will be given for unfavorable weather or ground conditions (see Special Provision to 108.07) or for delays in materials (see 108.07.B.3).

**NORTH MAIN STREET RRFB
PROJECT**

February 2021

Rev1 – 03/11/21

TRAFFIC CONTROL PLAN

The following are considered to be part of the Traffic Control Plan:

1. Sections 618 and 619 of the Standard Specifications
2. Work Zone Traffic Control Standard Plans*
3. *Manual on Uniform Traffic Control Devices (MUTCD), 2009 Edition*
4. *Positive Protection Guidance for Work Zones (PPGWZ)**
5. *Flagger and Uniformed Officer Use in Work Zones Policy and Guidelines**

* Available on line under *Doing Business with DOT>Contractors* at www.nhdot.com or through the NHDOT Contracts Office (603-271-3732).

The Contractor shall provide necessary traffic control devices to ensure the safety of the workers, traveling public, and property on this project. The above referenced specifications, guidelines, and provisions herein provide minimum requirements; the Contractor may be directed to expand upon the Traffic Control Plan if conditions warrant.

All signs, channelizing devices and arrow boards as required by the Manual on Uniform Traffic Control Devices, including part six, as amended, and the above Standard Sheets shall be in place prior to moving any equipment onto the pavement.

The Contractor shall provide trained personnel, including Uniformed Officers and Flaggers in accordance with Section 618, to be responsible for the maintenance of traffic control.

All materials specified under Item 619.1 - Maintenance of Traffic, shall be required to be certified for reflectivity. The Contractor shall be responsible for routinely inspecting devices and materials and shall replace any devices or materials found to be defective. The Contractor shall also replace any damaged device or material, if directed by the Engineer, without additional compensation.

MAINTENANCE OF TRAFFIC

1. All work shall be prosecuted so that vehicular and ADA compliant pedestrian access is maintained within the public right-of-way, and safe access to private residences and businesses shall be maintained at all times.
2. The Contractor shall provide the Engineer with a written plan detailing how pedestrian access will be maintained throughout construction. Access shall be ADA compliant and

allow access to all businesses and amenities throughout the work period. The plan will be payable as part of Item 619.1.

3. The Contractor shall provide, erect, and maintain all necessary barricades, suitable and sufficient lights, danger signals, signs and other traffic control devices and shall take all necessary precautions for the protection of the work and safety of the public, as well as providing safe and passable traffic accommodations for public travel. Effective barricades shall protect roadway areas closed to traffic. Obstructions shall be illuminated during hours of darkness. Suitable warning signs shall be provided to control and direct traffic in a proper manner.
4. Single lane closures are limited to providing a single lane for alternating each direction of travel utilizing traffic control personnel (~~detail Uniformed Officers and/or Flaggers are acceptable~~, as defined in Section 618 and as approved by the Engineer). ~~The duration and length of lane closure shall be as approved by the Engineer.~~ A single lane closure will only be allowable at night for the purpose of trenching, installing and backfilling the 1" conduit across North Main Street. Night work shall take place between 9 PM and 6 AM. Two-way traffic must be maintained at all other times. Parking lanes may be closed to allow shifting of the traffic during work hours, but the lanes must be re-established in their normal locations at the end of the workday and maintained during non-working hours, weekends and holidays.
5. While working within sections of road open to traffic:
 - a. Maintain traffic on full width pavement or gravel surface appropriate to the stage of construction during non-working hours, weekends, and holidays and the day before and after a holiday.
 - b. Travel lanes shall be 11 feet minimum unless otherwise noted, or approved by the Engineer.
 - c. Shoulder widths shall be 2 feet minimum, unless approved by the Engineer.
6. Road plates shall be permitted, only when approved in advance by the Engineer. Requests to use road plates shall be made at least 24 hours in advance. Road plates shall not be left in place for more than 72 hours at a time.
7. The minimum clear zone for this project shall be 10 feet (from Table 9-1, Clear Zone Widths for Work Zones of the Roadside Design Guide for posted speed limits 35 mph or less). The clear zone is measured out from the edge of the travel way open to traffic. There shall be no construction vehicles or equipment left in the clear zone during non-working hours.
8. Portable concrete barriers shall be required in all construction areas when grade differences exceed 4", and minimum 2:1 side slopes can't be utilized (4:1 if grade difference is greater than 5'). Unless otherwise noted, there shall be no separate payment for barrier used to protect trenches and grade separations within the work zone. The barrier shall be considered subsidiary to Item 619.1.

9. Portable concrete barrier blunt ends shall be protected by impact attenuators as shown or tapered outside the clear zone, as appropriate.
10. Driveway access shall be maintained throughout construction.
11. The Contractor shall provide the Engineer with weekly written updates to the traffic control plan and upcoming activities. These updates will be utilized to notify the public of upcoming work and traffic patterns. They shall be provided each Thursday, prior to 12:00 PM.
12. The Contractor's attention is directed to the MUTCD standard lane shift and alternating one-way traffic details in the plans, especially with regard to signing and delineation required for shifting a lane or closing a lane of traffic.
13. All work required to provide Maintenance of Traffic, unless specifically called out separately, shall be in accordance with Sections 618 and 619 and will be paid for under Item 619.1 in accordance with Sections 618 and 619 of the NHDOT Standard Specifications for Road and Bridge Construction, and the Special Provisions.
14. Portable Changeable Message Signs shall be used on each approach of North Main Street for advance notice of construction activities. The City will provide the message signs during the project. The Contractor shall coordinate the location and messages to be posted with the City.
15. Use reflectorized drums (barrels) for all channelizing tapers. Use 36" (minimum) cones (with 6" and 4" reflectorized bands) or 42" Tubular Marker (with three 4" wide reflectorized bands) for channelizing tangent sections. Banding shall be in compliance with the current MUTCD.
16. If operational signs are approved for use in place of permanent construction signs, place the bottom of the signs a minimum 3' above the road grade. To improve operational sign visibility, use the same sign stands for operational signs in multi-lane areas and when signs are placed behind guardrail.

PROHIBITION OF UNNECESSARY TRAFFIC OBSTRUCTION

Neither workers nor construction vehicles shall enter into or impede the flow of traffic in an open lane. Construction vehicles shall not slow down or stop in any travel lane unless such lane has previously been made safe with signs and channelizing devices as required.

VARIATION FROM THE TRAFFIC CONTROL PLAN

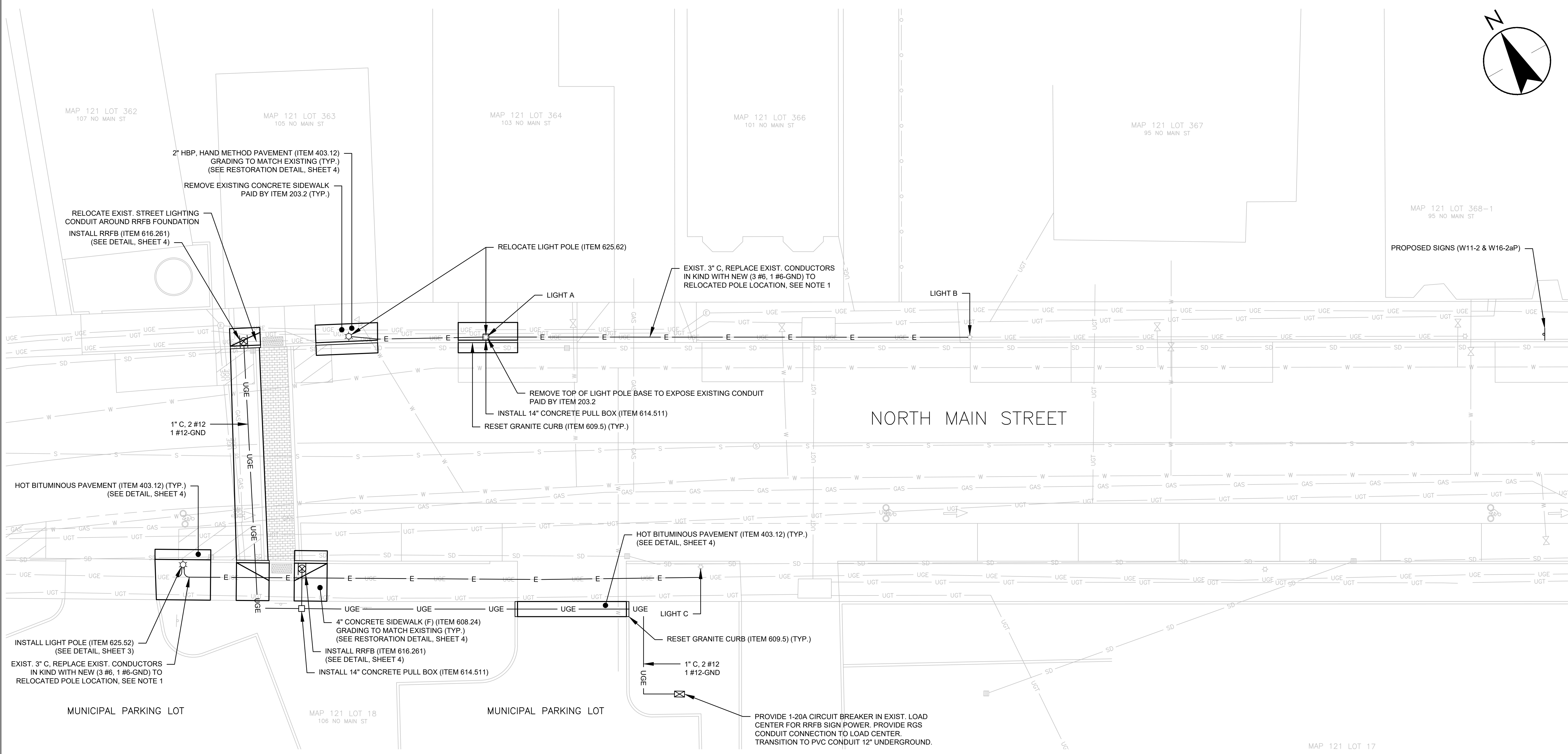
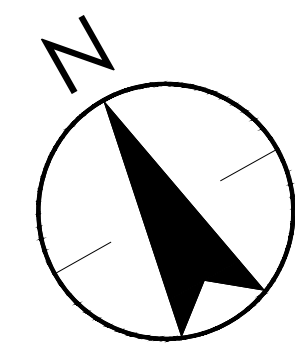
Prior to any deviation from the Traffic Control Plan, the Contractor shall submit a proposal in writing with any necessary plans for consideration. Any such deviation from the Traffic Control Plan must be approved in advance by the Engineer.

CITY OF ROCHESTER – FIRE & POLICE DEPARTMENT TELEPHONE NUMBERS

City of Rochester Fire Department: (603) 335-7545
City of Rochester Police Department: (603) 330-7127

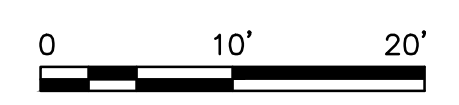
END OF SECTION

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REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION
NOTEBOOKS	BOOK	PAGE
	BOOK	PAGE
DRAWN BY	TJG	DATE 02/21
	DESIGNED BY	TJG
CHECKED BY	DEM	DATE 02/21
	AS BUILT DETAILS	DATE

- NOTES:
1. AT NEW LIGHT POLE LOCATIONS, PRIOR TO INSTALLATION OF NEW POLE BASES, EXPOSE EXISTING CONDUIT AND CUT BACK 1' OUTSIDE LIGHT POLE BASE LIMITS. REMOVE EXISTING CONDUCTORS TO PREVIOUS LIGHT POLE (LIGHT A TO LIGHT B ON NORTH SIDE, PROPOSED LIGHT TO LIGHT C ON SOUTH SIDE). INSTALL LIGHT POLE BASE, CONNECT TO EXISTING ENDS OF CONDUIT AT NEW LIGHT POLE BASE. INSTALL NEW CONDUCTORS BACK TO PREVIOUS LIGHT POLE AND CONNECT AT LIGHT.
 2. CONDUCT TEST PITS (ITEM 206.19) TO DETERMINE EXISTING CONDUIT LOCATIONS.
 3. PROPOSED SIGNS (W11-2 & W16-2aP) TO BE INSTALLED IN GRASS PANEL ON WEST END OF BRIDGE ON THE SOUTH SIDE OF THE ROADWAY (250' ± BEFORE RRFB).
 4. RESTORATION OF CONCRETE PANELS ON NORTH SIDE OF ROAD TO BE COMPLETED BY OTHERS. INSTALL 2' HBP AT THOSE LOCATIONS, AS NOTED ABOVE.
 5. TRENCHING AND INSTALLATION OF THE 1" CONDUIT UNDER NORTH MAIN STREET SHALL BE DONE AT NIGHT. ALTERNATING ONE-WAY TRAFFIC BETWEEN THE HOURS OF 9 PM AND 6 AM WILL BE ALLOWED TO ACCOMPLISH THIS WORK.



Stantec
 5 DARTMOUTH DRIVE, SUITE 200
 AUBURN, NEW HAMPSHIRE 03032
 TEL 603-689-8872
 FAX 603-689-7636

CITY OF ROCHESTER
 PUBLIC WORKS DEPARTMENT

GENERAL PLAN

REVISION	DATE	VIEW	FILE NAME	FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
				-	-	2	4

DRAWN BY	TJG	DATE	02/21
	DESIGNED BY	DEM	DATE
CHECKED BY		DATE	02/21
	AS BUILT DETAILS		
REVISIONS AFTER PROPOSAL		STATION	
NUMBER	DATE	STATION	
BOOK	PAGE		
BOOK	PAGE		
BOOK	PAGE		
NOTEBOOKS			
DESCRIPTION			

ABBREVIATIONS:

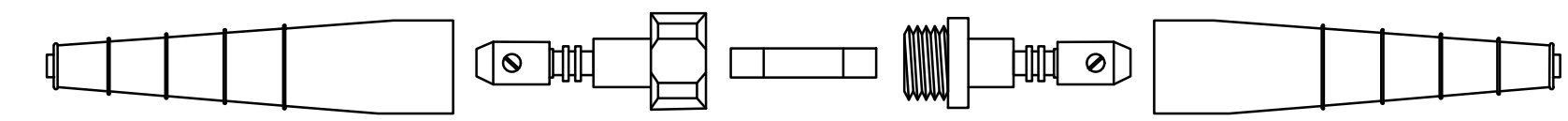
- A AMPERES
- AFG ABOVE FINISHED GRADE
- AWG AMERICAN WIRE GAUGE
- C CONDUIT
- CB CIRCUIT BREAKER
- CKT CIRCUIT
- CM CIRCULAR MIL
- DOT DEPARTMENT OF TRANSPORTATION
- FBO FURNISHED BY OTHERS
- Fc FOOT CANDLES
- GAL GALVANIZED
- GND GROUND
- GFI GROUND FAULT INTERRUPTER
- IESNA ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA
- KVA KILO VOLT AMPERES
- LL "L" LEFT
- LT LIQUID TIGHT FLEXIBLE METAL CONDUIT
- LTG LIGHTING
- NIC NOT IN CONTRACT
- PVC POLYVINYL CHLORIDE
- RCPT RECEPTACLE
- RGS RIGID GALVANIZED STEEL
- RNC RIGID NON-METALLIC CONDUIT
- RT RAIN TIGHT
- SCH SCHEDULE
- UF UNFUSED
- V VOLTS
- W WATTS
- WP WEATHERPROOF

GENERAL NOTES:

- CONDUIT RUNS ARE DIAGRAMMATIC. COORDINATE CONDUIT RUNS WITH ALL OTHER EXISTING OR PROPOSED UNDERGROUND UTILITIES AND STRUCTURES.
- ALL UTILITY BACK CHARGES ARE THE RESPONSIBILITY OF THE CONTRACTOR FOR ALL WORK PERTAINING TO THIS PROJECT. COORDINATE ALL PERMANENT AND TEMPORARY POWER WITH THE UTILITY.
- ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED FOR ITS INTENDED USE.
- PROVIDE GROUND CONDUCTOR IN EACH ELECTRICAL RACEWAY IN ACCORDANCE WITH THE CODE.
- RISER PIPE AND APPURTENANCES AT POWER SOURCE LOCATIONS SHALL BE INCLUDED IN THE QUANTITY OF CONDUIT UNDER THE 614 ITEMS.

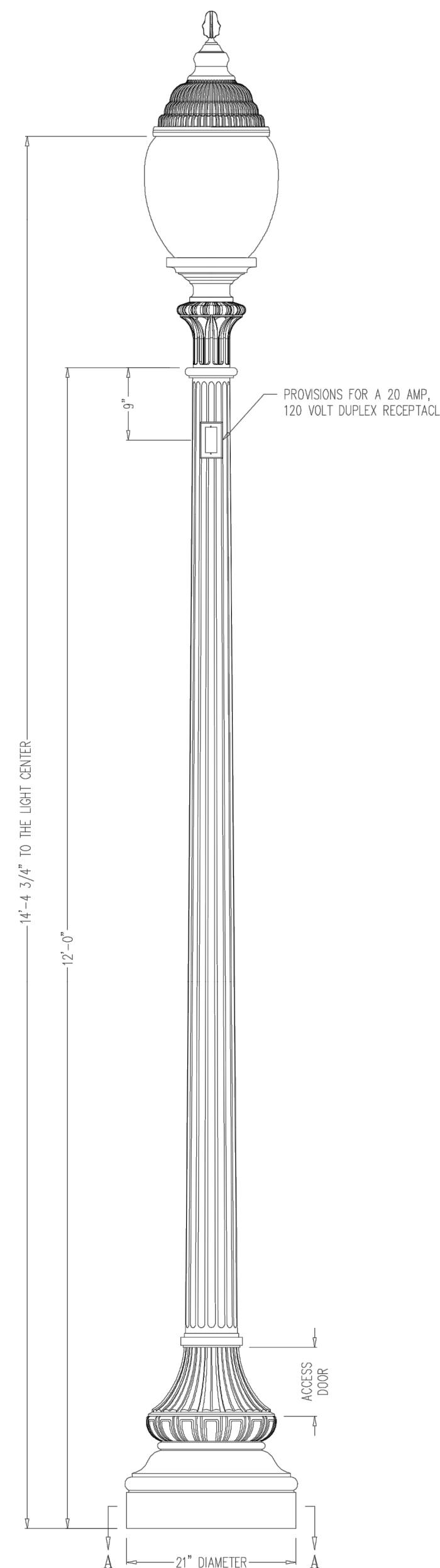
ELECTRICAL LEGEND:

- UGE — PROP. CONDUIT, DIRECT BURIED IN THE EARTH. FOR TRENCH AND ARRANGEMENT DETAILS REFER TO THE 2010 EDITION OF THE STANDARD PLANS FOR ROAD CONSTRUCTION, STATE OF NEW HAMPSHIRE, DOT STANDARD DETAIL NO. SL-2.
- E — EXIST. UNDERGROUND ELECTRICAL CONDUIT WITH PROP. WIRING.
- SINGLE LUMINAIRE WITH LIGHT POLE AND NEW HAMPSHIRE DOT CONCRETE LIGHT POLE BASE B STANDARD ITEM 625.2. FOR LIGHT POLE BASE DETAIL, REFER TO THE 2010 EDITION OF THE STANDARD PLANS FOR ROAD CONSTRUCTION, STATE OF NEW HAMPSHIRE, DOT STANDARD DETAIL NO. SL-2.
- NEW HAMPSHIRE DOT STANDARD ITEM 614.511, CONCRETE PULL BOX 14". FOR PULL BOX DETAIL, REFER TO THE 2010 EDITION OF THE STANDARD PLANS FOR ROAD CONSTRUCTION, STATE NEW HAMPSHIRE, DOT STANDARD DETAIL NO. SL-1.



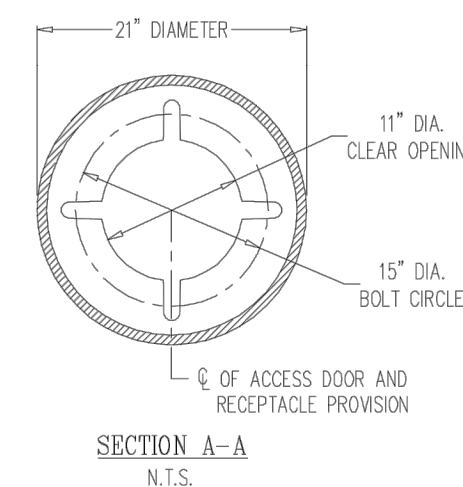
RATING:	600 VOLTS - 5 AMPS.
FUSE SIZE:	1 1/2" x 13/32" O.D. - FERRULE 3/8"
CONNECTOR SIZE:	8 1/2" x 7/8" O.D.
CONNECTOR TYPE:	FUSE - QUICK DISCONNECT SET SCREW TYPE CONNECTION
CONNECTOR MATERIAL:	MOLDED PLASTIC BODY WITH RUBBER INSULATING BOOTS.
CONDUCTOR SIZE:	LINE AND LOAD #2 AWG THROUGH #12 AWG
REQUIRED FEATURES:	WATERTIGHT NO TAPING OR SEALANT REQUIRED
FUSE HELD IN LOAD SIDE WHEN CONNECTOR IS DISCONNECTED.	

STRAIGHT THRU CONNECTOR
NOT TO SCALE

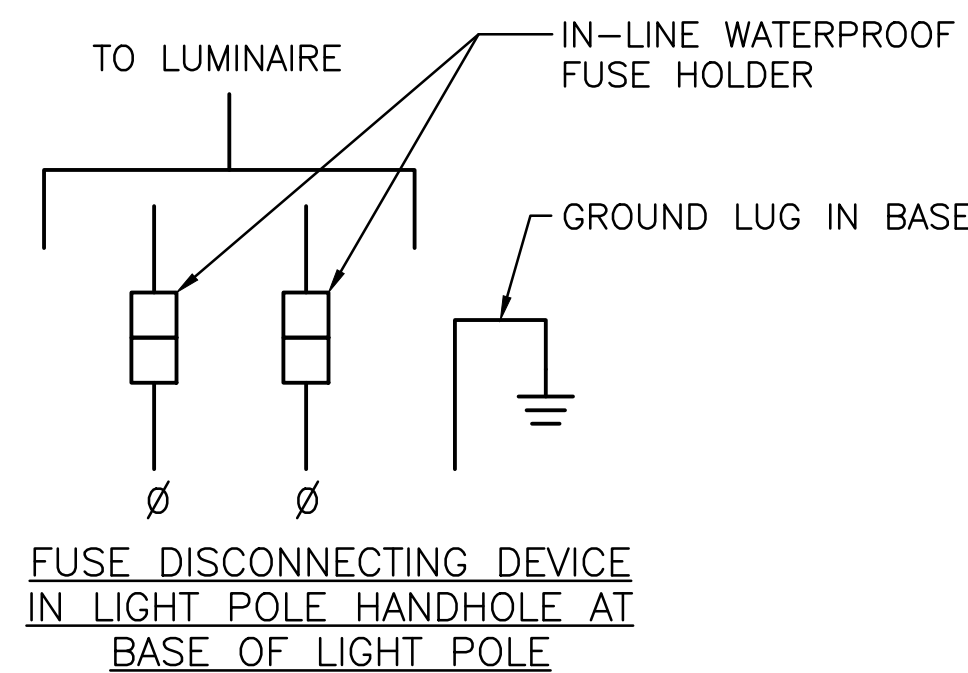


LUMINAIRE SPECIFICATIONS	
STYLE:	WASHINGTON / ARMORY SQUARE
HEIGHT:	44 1/4"
WIDTH:	16 5/8" DIAMETER
MATERIAL:	CAST IRON PER A.S.T.M. A 48-83 CLASS 30
GLOBE:	STIPPLED POLYCARBONATE
FINISH:	PRIME PAINT SHERWIN WILLIAMS 2 PART RECOATABLE EPOXY PRIMER (B67HS - PART G AND B67VS - PART H)
LAMPING:	120 WATT LED SYSTEM
VOLTAGE:	ELECTRONICALLY WIRED AT 120-277 VOLTS
COLOR TEMP:	4000K (MEDIUM WHITE)
OPTICS:	TYPE III REFRACTIVE OPTICS (ASYMMETRIC DISTRIBUTION)
SURGE:	10kV
CATALOG NO.:	ILMWSH-LE120/EV/X2-40-CR3-PS11-FPA-PO
LAMP POST SPECIFICATIONS	
STYLE:	WASHINGTON #2 WITH STRAIGHT TOP
HEIGHT:	12'-0"
PHOTOMETRIC CENTER:	14'-4 3/4"
BASE:	21" DIAMETER
MATERIAL:	ONE PIECE HEAVY WALL CAST IRON PER A.S.T.M. A48-83 CLASS 30
FINISH:	PRIME PAINT SHERWIN WILLIAMS 2 PART RECOATABLE EPOXY PRIMER (B67HS - PART G AND B67VS - PART H)
ACCESS DOOR:	LOCATED IN BASE SECURED WITH TAMPER PROOF HEX SOCKET SECURITY MACHINE SCREWS
GROUND PROVISIONS:	DRILL AND TAP INSIDE WALL OF BASE OPPOSITE ACCESS DOOR TO ACCOMMODATE A 1/4"-20 GROUND STUD (STUD BY OTHERS)
ANCHOR BOLTS:	(4) 3/4" DIA. X 24" LONG X 3" HOOK (FULLY GALVANIZED WITH 1 GALVANIZED NUT AND 1 GALVANIZED WASHER PER BOLT)
BOLT PROJECTION:	3" REQUIRED
TENON:	3 1/2" DIA. X 3" HIGH (TO ACCEPT LUMINAIRE)
CATALOG NO.:	IPSWSH-21-12.00-ST-TN3.50/3.00-RPOX-PO

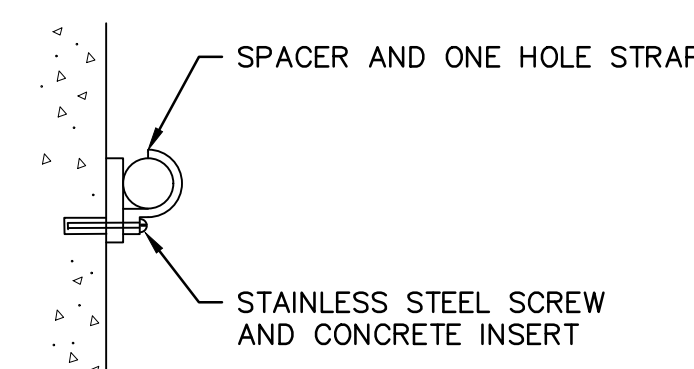
QUANTITY: 1 COMPLETE ASSEMBLY REQUIRED PER S.O. #: 016585



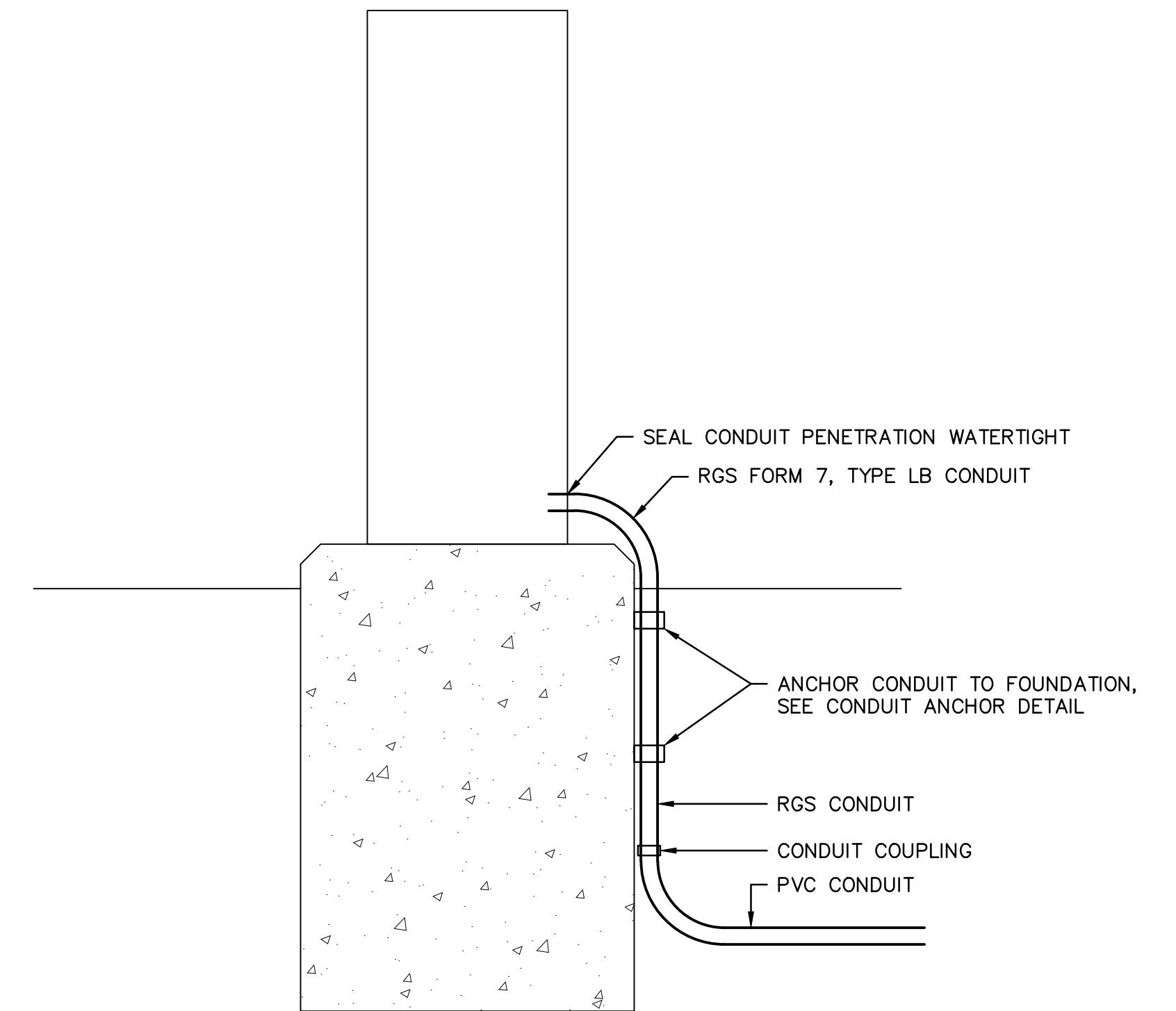
ORNAMENTAL LIGHT POLE
NOT TO SCALE



TYPICAL WIRING DIAGRAM
NOT TO SCALE



CONCRETE ANCHOR DETAIL
NOT TO SCALE



EXISTING CABINET CONNECTION
NOT TO SCALE
SEE GENERAL NOTE 5

		5 DARTMOUTH DRIVE, SUITE 200 AUBURN, NEW HAMPSHIRE 03032 TEL 603-689-8872 FAX 603-689-7636	
CITY OF ROCHESTER			
PUBLIC WORKS DEPARTMENT			
LIGHTING DETAILS			
REVISION DATE	VIEW	FILE NAME	FEDERAL PROJECT NO.
			-
			STATE PROJECT NO.
			-
			SHEET NO.
			3
			TOTAL SHEETS
			4