



CITY OF SOMERVILLE
Commonwealth of Massachusetts
93 Highland Avenue
Somerville, MA 02143
(617) 625-6600

BUSINESS LICENSE APPLICATION - Grant of Location

File #: 21-000896

License #: BL21-000003

Address: 81 PENNSYLVANIA AVE

Licensee: Matthew Pricco Network Building + Consulting

DBA Name: ExteNet Systems, Inc.

Business Ownership Type: Corporation

Legal Name of Entity: ExteNet Systems, Inc.

Owners/Officers: James A. Hyde, H. Anthony Lehv, Daniel L. Timm,

License Information:

Grant of location issued to: ExteNet Systems, Inc.

Describe the reason for the work, and the intended beneficiaries: This work is necessary to provide an underground connection for a small wireless facility at 81 Pennsylvania Ave. The facility will improve wireless communications services for residents, businesses, and visitors in the vicinity.

Insert here the same detailed description of the work as appears in the attached Grant of Location Order: Pennsylvania Ave: - Starting at existing Eversource MH #12344 placing (1) 3" PVC for Power Feed approximately 36' to the Proposed Handhole 2' N/NW of Proposed NE-MA-BSTN3N01-03338 Node Location. - Proposed 24x24x24 Handhole to service NE-MA-BSTN3N01-03338 Node Location. - Starting at Proposed Handhole placing (1) 3" PVC for Power Feed approximately 2' to the Proposed NE-MA-BSTN3N01-03338 Node Location.

Approval Conditions:

Approved By:

Karla Cuarezma, Approved

Malik Drayton, Approved with Conditions

APPROVAL CONDITION: MD20210202: Contractor shall take all necessary precautions to avoid damaging any tree or tree part with equipment.

APPROVAL CONDITION: MD20210202: All nearby street tree(s) shall be protected prior to and during all construction activities using TREE BOX or TREE WRAPS. . TREE BOX shall be constructed from 2 in. x 4 in. lumber creating a box around the border of the tree pit with 2 in. x 4 in. lumber standing straight up at the corners and wrapped with orange snow fence. Detail attached. . TREE WRAPS (TREE TRUNK WRAPPING PROTECTION LUMBER) shall consist of 2 in. x 4 in. and 8 ft. height lumber wired together in close spacing with zip ties or 16 gauge galvanized steel wire to form a protective enclosure around tree trunks. Use burlap to separate the wood from the bark if necessary to prevent wood from scraping or bruising bark. Do not use staples or puncture the trunk in any way.

APPROVAL CONDITION: MD20210202: Any tree roots less than two (2) inches in diameter that cannot be avoided during construction shall be carefully and cleanly cut with a clean pair of pruning shears or loppers. Roots are to be cut back flush with the edge of the trench. If any tree roots greater than two (2) inches in diameter are encountered, stop work immediately and contact the City Urban Forester. Any and all pruning of roots greater than 2 inches in diameter must be completed under the supervision of the City Urban Forester.

Mark Lawhorne, Approved

John J. Long, Approved



CITY OF SOMERVILLE, MASSACHUSETTS
CITY CLERK'S OFFICE
JOSEPH A. CURTATONE
MAYOR

JOHN J. LONG
CITY CLERK

February 3, 2021

NOTICE OF PUBLIC HEARING

You are hereby notified that the Somerville City Council will hold a Public Hearing on the following Petition. You are receiving this Notice because the Petitioner has reported that you own property that abuts the work that is being proposed. You and other members of the public are invited to attend and be heard at this Hearing.

Because of Governor Baker's and Mayor Curtatone's recent orders limiting the number of people that may gather in one place, **this meeting of the City Council will be conducted via remote participation, online in a webinar hosted on the GoToWebinar platform.**

You have two ways to be heard at this meeting:

1. To attend and be heard, enter the link exactly as it appears below into your internet browser any time before the meeting. You will then be asked to register for the meeting. After registering, you will receive an email with instructions to join the webinar when it starts.
2. If you are unable to attend but wish to be heard, you may send written comments by US mail to the City Clerk at the address below, or by email to cityclerk@somervillema.gov. Your comments must arrive no later than 12 Noon on the day of the Hearing, in order to be sure they are conveyed to the Council.

PETITION: Extenet seeks a Grant of Location to install a total of 38 feet of conduit in Pennsylvania Avenue as follows: Starting from Eversource manhole 12344 to a proposed handhole, then continuing 2 feet to a small wireless facility node at the intersection of Vermont Avenue and Pennsylvania Avenue.

PLACE: <https://attendee.gotowebinar.com/register/1007256417857767181>.

TIME: Thursday, February 11, 2021, at 7:00 PM.

PURPOSE: The work is necessary to provide service to a small wireless facility.



NE-MA-BSTN3N01-TMO-03338

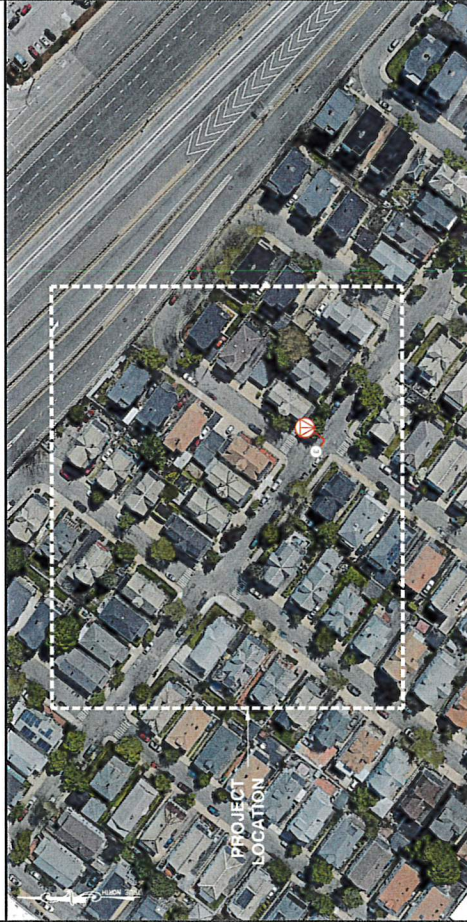
HUB: 4BS0365B

PETITION PLANS

 81 PENNSYLVANIA AVENUE, SOMERVILLE, MA 02145

 CITY OF SOMERVILLE, MIDDLESEX COUNTY

VICINITY MAP





DRAWING INDEX	
01	TITLE SHEET
02	NOTES
03	UTILITY PLAN
04	DETAILS
05	FOUNDATION DETAILS + NOTES
PROJECT TEAM	
ENGINEERING FIRM: NB+C ENGINEERING SERVICES, LLC. 100 APOLLO DRIVE, SUITE 303 CHELSEA, MA 02156	
DRAWING SCALE	
THESE DRAWINGS ARE SCALED TO FULL SIZE AT 22"x34" AND HALF SIZE AT 11"x17". CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE DESIGNER / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION. CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICE TO PREVENT STORM WATER POLLUTION DURING CONSTRUCTION.	

CODE COMPLIANCE
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO CONFLICT WITH WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING CODES:
<ul style="list-style-type: none"> 2015 INTERNATIONAL BUILDING CODE (MASSACHUSETTS AMENDED 6TH EDITION) 2017 NATIONAL ELECTRICAL CODE NFPA 1-2016 EDITION 2015 IFC - REFERENCE 527 CMR AMERICAN CONCRETE INSTITUTE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL OF STEEL CONSTRUCTION 13TH EDITION ANSI/TIA-222-G TIA 607 INSTITUTE FOR ELECTRICAL & ELECTRONICS ENGINEER #1 IEEE INTERNATIONAL ELECTRIC SAFETY CODE LATEST EDITION TELECOMMUNICATIONS GR-1275 ANSI/F 311

PROJECT INFORMATION
SITE NAME: NE-MA-BSTN3N01-TMO-03338 NB+C ES PROJECT NUMBER: 100500 JURISDICTION: CITY OF SOMERVILLE, MIDDLESEX COUNTY EXTENET PROJECT MANAGER: RICK ANGELINI 3030 WARRENVILLE RD, SUITE 340 SOMERVILLE, MA 02145 NOC: (661) 892-5327 HUB LOCATION: HUB: 4BS0365B 422 MYSTIC AVE SOMERVILLE, MA 02145 ELECTRIC COMPANY: EVERSOURCE

LEGEND
PROPERTY LINE RIGHT-OF-WAY EXISTING FENCE LINE EDGE OF PAVEMENT EXISTING GAS LINE EXISTING SEWER LINE EXISTING STORM DRAIN LINE EXISTING O/A UTILITY LINE EXISTING WATER SERVICE EXISTING TELEPHONE EXISTING ELECTRIC EXISTING CONDUIT PROPOSED TRENCH PROPOSED ELECTRIC PROPOSED UNDERGROUND FIBER HUB FIBER NODE SPURCE ENCLOSURE SLACK LOOP PROPOSED POLE RISER POLE GROUNDING UTILITY POLE LIGHT POLE TRAFFIC POLE WATER VALVE GAS VALVE TELEPHONE MANHOLE ELECTRIC MANHOLE UNKNOWN MANHOLE HANDHOLE STORM DRAIN ELECTRIC VAULT EXISTING STRUCTURE STORM DRAIN MANHOLE SANITARY SEWER MANHOLE HYDRANT EXISTING DOWN GUY WITH ANCHOR PROPOSED DOWN GUY WITH ANCHOR EXISTING ANCHOR

COBUS# N/A	ENGINEERING FIRM NB+C TOTALLY COMMITTED. NB+C ENGINEERING SERVICES, LLC. 100 APOLLO DRIVE, SUITE 303 CHELSEA, MA 02156 (617) 892-5327	APPLICANT extenel YOUR NETWORK. EVERYWHERE. 3030 WARRENVILLE ROAD, SUITE 340 SOMERVILLE, MA 02145 (661) 892-5327	SITE INFORMATION NE-MA-BSTN3N01-03338 4BS0365B 81 PENNSYLVANIA AVENUE SOMERVILLE, MA 02145 CITY OF SOMERVILLE MIDDLESEX COUNTY	DESIGN RECORD	PROFESSIONAL STAMP 	ENGINEER KRIPAKARAN KOLANIDAVELLU, P.E. MA PROFESSIONAL ENGINEER LIC. #50019	SHEET TITLE TITLE SHEET	SHEET NUMBER 01 OF 05
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COBUCS# N/A	NB+C TOTALLY COMMITTED NB+C ENGINEERING SERVICES, LLC. 100 WASHINGTON AVENUE CHILMARK, MASSACHUSETTS 01928 (978) 654-8438	extenet SYSTEMS 300A WARRING ROAD, SUITE 400 LITTLE, I. 06042 (860) 505-8889	Mobile	NE-MA-BSTN3M01-03338 4BS0365B 81 PENNSYLVANIA AVENUE SOMERVILLE, MA 02145 CITY OF SOMERVILLE MIDDLESEX COUNTY	REVISIONS		CONTRACTOR INFORMATION	ENGINEERING FIRM	APPLICANT	SITE INFORMATION	DESIGN RECORD	PROFESSIONAL STAMP	ENGINEER	SHEET TITLE	SHEET NUMBER
													NOTES	02 OF 05	

GENERAL NOTES:

- THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, FEDERAL, AND NATIONAL SPECIFICATIONS, STANDARDS, AND CODES OF PRACTICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK IN ACCORDANCE WITH THE APPLICABLE CODES, STANDARDS, AND CODES OF PRACTICE.
- THE ARCHITECT/ENGINEER HAS MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND SPECIFICATIONS ALL NECESSARY INFORMATION FOR THE CONTRACTOR TO COMPLETE THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
- THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES IN THE SUBMISSION OF WORK. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL MATERIALS, EQUIPMENT, LABOR, AND ALL OTHER NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN, EXCEPT FOR FIBER OPTIC CABLE AND OTHER MATERIALS IDENTIFIED BY THE ARCHITECT/ENGINEER AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
- THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PROPOSALS TO VERIFY THE ACCURACY OF THE INFORMATION AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWING/CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE SPECIFICATIONS AND MATERIALS LISTED IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ADDENDUMS OR CLARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, APPROVALS, AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, AND KEEPING A COPY ON SITE, ALL PERMITS, APPROVALS, AND PROCEDURES WHICH MAY BE REQUIRED FOR THE ARCHITECT/ENGINEER, THE CONTRACTOR, OR LABOR TO COMPLETE THE PROJECT.
- THE CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENTS TO PROTECT EXISTING UTILITIES, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY TO ORIGINAL OR BETTER CONDITION.
- THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAR AND UNOCCUPIED DURING THE CONSTRUCTION OF THE PROJECT. ALL MATERIALS, EQUIPMENT, AND SUPPLIES SHALL BE STORED IN A CLEAN AND FREE FROM PAINT SPOTS, DUST, OR SMOGGS OF ANY NATURE.
- THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER WHEN A CONFLICT OCCURS ON THE PROJECT. THE CONTRACT DOCUMENTS, THE CONTRACTOR'S SCHEDULE, AND THE CONSTRUCTION MANAGER SHALL BE THE AUTHORITY TO RESOLVE ANY CONFLICTS THAT MAY OCCUR ON THE PROJECT.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE PROJECT.
- THE CONTRACTOR SHALL VERIFY THAT THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL JOB SITE SUBMITTALS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
- CONTRACTOR SHALL PROTECT ALL WORK AREA TRAILS AND ALL OTHER SCHEDULING AND PROVISIONARY CIRCUMSTANCES SURROUNDING THE PROJECT.
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSPORTATION, ETC., FOR COMPLETE AND FUNCTIONALLY OPERATING AND MAINTAINING THE PROJECT AS DESCRIBED HEREIN AND/OR AS OTHERWISE REQUIRED.
- CLEAN UP OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAUNTED CONDITION. LEGALLY DISPOSE OF ALL REMOVED, UNUSED AND EXCESS MATERIAL GENERATED BY THE WORK OF THIS CONTRACT. DELIVER ITEMS INDICATED ON THE DRAWINGS TO THE OWNER IN GOOD CONDITION. OBTAIN SHRED RECEIPT UPON DELIVERY.
- THE CONSTRUCTION MANAGER SHALL BE PROVIDED TO THE PROJECT.
- WORK SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN, PAY FOR, AND DELIVER ALL REQUIRED PERMITS, CERTIFICATES OF INSPECTION, DELIVER CERTIFICATES TO THE OWNER PRIOR TO FINAL ACCEPTANCE OF WORK JURISDICTION.
- THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING DIMENSIONS AND CONDITIONS AT THE JOB SITE THAT COULD AFFECT THE WORK UNDER THIS CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING DIMENSIONS AND CONDITIONS HEREIN, WHERE MOST STRIKING SHALL BE COMPLIED WITH.
- THE CONTRACTOR SHALL VERIFY THAT NO CONFLICTS EXIST BETWEEN THE LOCATIONS OF ANY ALL MECHANICAL, PLUMBING, OR STRUCTURAL ELEMENTS, AND THAT ALL REQUIRED CONFLICTS ARE IDENTIFIED AND RESOLVED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT THE CONSULTANT AS NECESSARY TO MAKE NECESSARY MODIFICATIONS IN THE DESIGN OF THE CONTRACT WITHOUT THE CONTRACTOR GETTING ADDITIONAL COMPENSATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY CLEAN UP OF ALL TRADES AND REMOVE ALL DEBRIS FROM THE CONSTRUCTION SITE. AT THE COMPLETION OF THE PROJECT THE CONTRACTOR SHALL LEAVE THE JOB SITE, SITE, AND ANY OTHER SURROUNDING AREAS TO BETTER THAN NEW CONDITION.

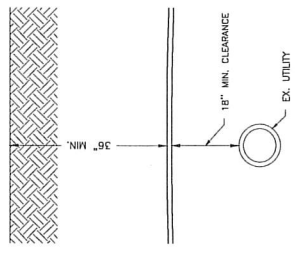
MANHOLE NOTES:

- THE TOPS OF MANHOLE FRAMES AND COVERS SHALL BE INSTALLED FLUSH WITH GROUND, PRESENT OR FINISHED.
- THE TOPS OF MANHOLES SHALL BE FILLED WITH AGGREGATE CONFORMING TO THE REQUIREMENTS OF BLS, GRADING NO. 30.
- CONDUIT ENTERING MANHOLES SHALL BE TERMINATED FLUSH WITH THE INSIDE WALL.
- CONDUITS SHALL BE ALIGNED IN AS NEARLY A STRAIGHT LINE AS POSSIBLE TO ALLOW FOR EASY PULLING AND BENDING. THE CONDUIT AND THE STRUCTURE WALL SHALL BE FILLED OR PATCHED WITH CONCRETE OF ACCEPTABLE EQUAL SO THERE WILL BE NO LEAKAGE.
- MANHOLES SHALL BE SEATED ON TRENCH FILL MEETING THE REQUIREMENTS OF BLS.05 IN ORDER TO PREVENT SETTLEMENT.
- THE FRAME AND COVER SHALL BE PAINTED BEFORE INSTALLATION WITH 1 FIELD COAT OF PRIMER MEETING THE REQUIREMENTS OF BLS.04.
- COVERS FOR MANHOLES AND HANDHOLES SHALL BE MARKED ON THE OUTSIDE. MARKING SHALL BE PLACED PARALLEL TO THE LONG SIDE OF THE COVER.
- EACH COVER SHALL HAVE TWO 0.875 INCH PICK HOLES TO ALLOW THE COVER TO BE REMOVED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION AND SHORING NECESSARY IN ORDER TO INSTALL THE MANHOLES AND HANDHOLE SHOW ON THE PLANS.
- THE CONTRACTOR SHALL ELECTRICALLY GROUND ALL METALLIC OBJECTS COMPRISING THE STEEL AS APPROPRIATE, INCLUDING THE FRAME AND COVER, CABLE TRAYS AND REINFORCING STEEL.
- CABLE TRAYS SHALL BE INSTALLED IN THE MANHOLE, AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL ADJUST THE MANHOLE TO GRADE USING A POURED CONCRETE COLLAR.
- THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR TEMPORARY PATCHING AROUND THE MANHOLE AND HANDHOLE AND MAINTENANCE OF THE PATCH UNTIL THE PERMANENT STREET CUT REPAIRS HAVE BEEN MADE.
- THE CONTRACTOR WILL SUBMIT CATALOG CUTS OF ALL PRECAST MANHOLES AND HANDHOLES TO THE OWNER FOR APPROVAL. ALL STRUCTURES TO BE INSTALLED IN THE ROADWAY OR AREAS SUBJECT TO VEHICLE.

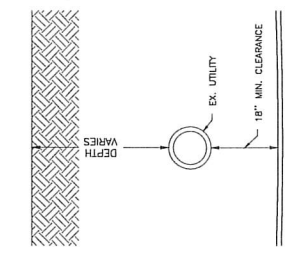


Know what's below.
Call before you dig.

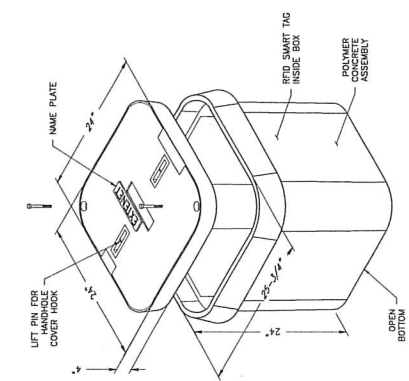
COBUCS# N/A	NB+C TOTALLY COMMITTED NB+C ENGINEERING SERVICES, LLC. 100 WASHINGTON STREET, SUITE 303 APPROPRIATE, MA 02145 (978) 656-3300	extenei "YOUR NETWORK. EVERYWHERE." SYSTEMS & NETWORKS 3030 WASHINGTON ROAD, SUITE 400 LISLE, IL 60532 (815) 595-3000	T-Mobile	NE-MA-BSTN3N01-433338 4BS0365B 81 PENNSYLVANIA AVENUE SOMERVILLE, MA 02145 CITY OF SOMERVILLE MIDDLESEX COUNTY	REVISIONS	REV. DATE DESCRIPTION BY	0 1/2/200 PRELIMINARY TP		NO. 50019 MA PROFESSIONAL ENGINEER, P.E. MA PROFESSIONAL ENGINEER, L.C. #50019	DETAILS	SHEET 04 OF 05
COBUCS INFORMATION	ENGINEERING FIRM	APPPLICANT	SITE INFORMATION	DESIGN RECORD	PROFESSIONAL STAMP	ENGINEER	SHEET TITLE	SHEET NUMBER			



3 TYPICAL UTILITY CROSSING ABOVE
04 NOT TO SCALE

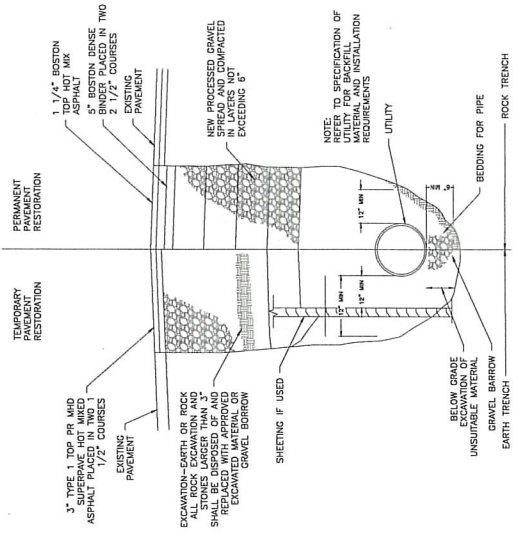


2 TYPICAL UTILITY CROSSING BELOW
04 NOT TO SCALE

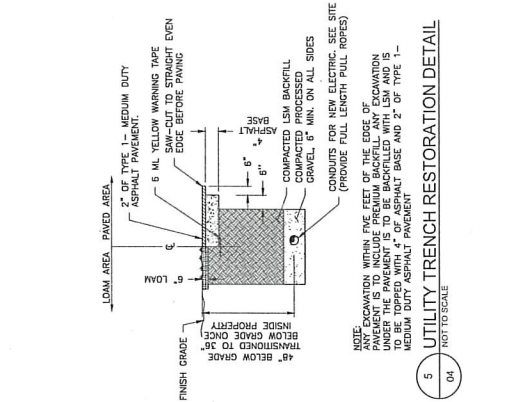


- PC0242424-00005
24727242 TYPE-A VAULT
- NOTE:
1. THE MANHOLE SHALL BE SET WITH THE TOP CORNER LEVELLED AND MATCHING THE EXISTING SURFACE.
 2. THE 1/2\"/>

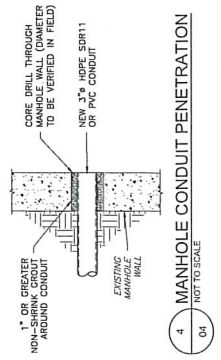
1 TYPICAL TYPE-A VAULT DETAILS
04 NOT TO SCALE



6 TYPICAL UTILITY TRENCH SECTION
04 NOT TO SCALE



5 UTILITY TRENCH RESTORATION DETAIL
04 NOT TO SCALE



4 MANHOLE CONDUIT PENETRATION
04 NOT TO SCALE

COBUCS# N/A	COBUCS INFORMATION
NBC TOTALLY COMMITTED NBC ENGINEERING SERVICES, LLC. 1000 CENTRE STREET CHILMARK, MA 01928 (978) 355-8338	ENGINEERING FIRM
extenei YOUR NETWORK EVERYWHERE 300 WAREHOUSLE ROAD, SUITE 340 LITTLE ROCK, AR 72602 (501) 956-3900	AFFLUENT
NE-MA-BSTN01-03338 4BS0365B 81 PENNSYLVANIA AVENUE SOMERVILLE, MA 02145 CITY OF SOMERVILLE MIDDLESEX COUNTY	SITE INFORMATION
REVISIONS	DESIGN RECORD
REV. DATE DESCRIPTION BY	0 1/24/09 PRELIMINARY TP
PROFESSIONAL STAMP	PROFESSIONAL STAMP
ENGINEER	ENGINEER
VEP/MAKARA KOLANDRUKU, P.E. MA PROFESSIONAL ENGINEER LIC. #50019	VEP/MAKARA KOLANDRUKU, P.E. MA PROFESSIONAL ENGINEER LIC. #50019
FOUNDATION DETAILS & NOTES	SHEET TITLE
SHEET NUMBER	SHEET
05 OF 05	05 OF 05

GENERAL NOTES

- CONTRACTOR IS RESPONSIBLE FOR CHECKING AREA FOR OBSTRUCTIONS.
- CONTRACTOR SHALL INSPECT AND REMOVE ALL DEBRIS FROM WORK AREA.
- CONTRACTOR SHALL VERIFY ANCHOR BOLT LAYOUT PRIOR TO, AND IMMEDIATELY AFTER PLACING CONCRETE. ANCHOR BOLT LAYOUT IS TO BE VERIFIED AGAINST THE FOUNDATION DETAIL.
- CONTRACTOR SHALL USE AND PROVIDE DEFORMED REINFORCING BARS CONFORMING TO ASTM A615 GR. 60 (60,000 PSI MIN. YIELD STRENGTH). ALL REINFORCING BARS SHALL BE WELDED TOGETHER WITH A MINIMUM WELD LENGTH OF 6 BAR DIAMETERS. WELDED REBAR SHALL BE SUBSTITUTED USING A706 GR. 60 DEFORMED BARS WITH A MINIMUM WELD LENGTH OF 6 BAR DIAMETERS.
- CONCRETE SHALL BE PLACED IN 12" MAXIMUM THICKNESS LIFTS PER CUBIC YARD. 5" MINIMUM AND 7" MAXIMUM CONCRETE SLUMP.
- CONCRETE SHALL BE CONSOLIDATED USING VIBRATORY METHODS. VIBRATORS SHALL BE USED TO CONSOLIDATE CONCRETE. VIBRATORS MAY BE WITHDRAWN DURING THE PLACEMENT OF CONCRETE IN ORDER TO PREVENT OVERVIBRATION. VIBRATORS SHALL BE TEMPORARILY CEASED TO STABILIZE THE EXCAVATION, THE CASING, AND THE REINFORCING BARS.
- CONCRETE SHALL BE PLACED IN THE EXCAVATION, THE CASING, AND THE REINFORCING BARS SHALL BE PLACED WITHIN 24 HOURS OF COMPLETING THE EXCAVATION. COLD JOINTS ARE NOT ALLOWED.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ANCHOR BOLT CORROSION POTENTIAL UNLESS OTHERWISE NOTED. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ANCHOR BOLT CORROSION POTENTIAL UNLESS OTHERWISE NOTED. TOP OF FOOTING SHALL BE TROWELED, LEVEL, AND SMOOTH.
- DRILLED PIER FOUNDATION DESIGN PER 2009/2012 IBC, TABLE 11.0. TOTAL VOLUME OF CONCRETE REQUIRED FOR THIS FOUNDATION IS APPROXIMATELY 1.5 CU. YDS.

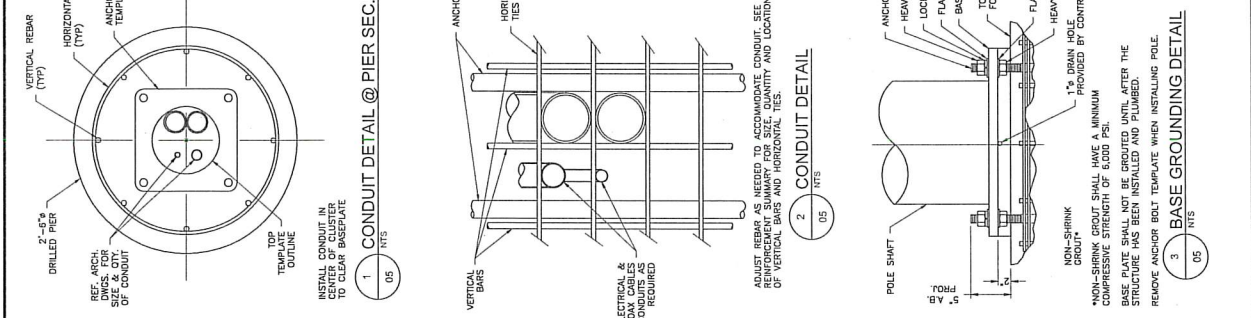
FACTORED BASE REACTIONS

MOMENT = 44.1 ft-kip
SHEAR = 2.79 k/ft
VERTICAL = 1.28 k/ft

SPECIAL INSPECTIONS

SPECIAL INSPECTIONS OF CONSTRUCTION SHALL REQUIRE SPECIAL INSPECTION PER 2009/2012 IBC, SECTION 1704.

ITEM DESCRIPTION	INSPECTION BY	MATERIAL
1. PIER EXCAVATION	SOILS ENGINEER	300 PSF/FT LATERAL
2. REINFORCING BARS	REINFORCING STEEL INSPECTOR	ASTM A615 GR. 60
3. ANCHOR BOLTS	SPECIAL INSPECTOR	ASTM F1554 GR. 55
4. CONCRETE PLACEMENT	SPECIAL INSPECTOR	F _c =4000 PSI TYPE II G/ENT



DESCRIPTION	QTY.	SIZE	LENGTH	WEIGHT	OVERLAP
VERTICAL BARS	8	#6	6'-6"	78 LBS.	N/A
HORIZONTAL TIES	11	#4	8'-4"	61 LBS.	2'-0"

81 Pennsylvania Ave

List of Abutters for Grant of Location

Assessor Parcel	Property Address	Abutter Name	Abutter Mailing Address
89_E_7	81 PENNSYLVANIA AVE SOMERVILLE	LANIGAN JOHN T	83 PENNSYLVANIA AVE SOMERVILLE, MA 02145
89_E_8	9 VERMONT AVE SOMERVILLE	BLACKET CAROL R & JOAN	11 VERMONT AVE SOMERVILLE, MA 02145
89_E_6	79 PENNSYLVANIA AVE SOMERVILLE	ROBINSON THOMAS W	195 DAVIS AVE #4 BROOKLINE, MA 02445
89_D_5	87 PENNSYLVANIA AVE SOMERVILLE	CIAMPA DIANA FOR LIFE	87 PENNSYLVANIA AVE SOMERVILLE, MA 02145
89_H_1	43 MICHIGAN AVE SOMERVILLE	CANTALUPA ANTHONY & KATHLEEN FOR LIFE	43 MICHIGAN AVE SOMERVILLE, MA 02145
89-I_2_44	44 MICHIGAN AVE SOMERVILLE	GRIFFIN PATRICK & KATHRYN RUSH	44 MICHIGAN AVE #44 SOMERVILLE, MA 02145
89-I_2_42	42 MICHIGAN AVE SOMERVILLE	ANGELL JESSICA	42 MICHIGAN AVE SOMERVILLE, MA 02145