



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

BUSINESS LICENSE APPLICATION - Grant of Location

File #: 21-012755

License #: BL21-000157

Address: 16 BROADWAY

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 16 Broadway. 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: Broadway: - Starting at existing Eversource MH #10191 placing (1) 3" PVC for Power Feed approximately 127' to the Proposed Handhole 3' NW of Proposed NE-MA-BSTN3N01-03330 Node Location. - Proposed 24x36x24 Dual Compartment Handhole to service NE-MA-BSTN3N01-03330 Node Location. - Starting at Proposed Handhole placing (1) 3" PVC for Power Feed approximately 3' to the Proposed NE-MA-BSTN3N01-03330 Node Location.

Approval Conditions:

Approved By:

Karla Cuarezma, Approved

Malik Drayton, Approved with Conditions

APPROVAL CONDITION: MD20211130: Contractor shall take all necessary precautions to avoid damaging any tree or tree part with equipment.

APPROVAL CONDITION: MD20211130: 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: MD20211130: 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.

Eric Weisman, Approved

Kimberly M. Wells, Approved



CITY OF SOMERVILLE, MASSACHUSETTS
CITY CLERK'S OFFICE
KATJANA BALLANTYNE
MAYOR

KIMBERLY M. WELLS
CITY CLERK

November 8, 2022

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.

This meeting of the City Council will also be conducted via remote participation, online in a webinar hosted on the GoToWebinar platform.

You have three 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. You may also testify in person in the City Council Chamber, City Hall, 2nd Floor, 93 Highland Avenue, Somerville, MA 02143
3. 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 130 feet of conduit in Broadway: Starting from existing Eversource Manhole 10191 to a proposed handhole, then continuing to a small wireless facility node located across from 16 Broadway.

PLACE: <https://attendee.gotowebinar.com/register/3394412724258788622> or
City Council Chambers, City Hall, 2nd Floor, 93 Highland Avenue, Somerville, MA 02143

TIME: Tuesday, November 22, 2022, at 7:00 PM.

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



NE-MA-BSTN3N01-TMO-03330

HUB: NEH0005A
PETITION PLANS

16 BROADWAY, SOMERVILLE, MA 02145
CITY OF SOMERVILLE, MIDDLESEX COUNTY

LEGEND

---	PROPERTY LINE
- - - -	RIGHT-OF-WAY
- - - -	EXISTING FENCE LINE
- - - -	EDGE OF PAVEMENT
- - - -	EXISTING GAS LINE
- - - -	EXISTING SEWER LINE
- - - -	EXISTING STORM DRAIN LINE
- - - -	EXISTING Q/H UTILITY LINE
- - - -	EXISTING WATER SERVICE
- - - -	EXISTING TELEPHONE
- - - -	EXISTING ELECTRIC
- - - -	EXISTING CONDUIT
- - - -	PROPOSED TRENCH
- - - -	PROPOSED ELECTRIC
- - - -	PROPOSED UNDERGROUND FIBER
●	HUB
○	FIBER NODE
○	SPLICE 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
○	PROPOSED DOWN GUY WITH EXISTING ANCHOR

VICINITY MAP



PROJECT INFORMATION

SITE NAME: NE-MA-BSTN3N01-TMO-03330
NB+C ES PROJECT NUMBER: 100523
JURISDICTION: CITY OF SOMERVILLE
MIDDLESEX COUNTY
EXTENET PROJECT MANAGER: ADAM DORL
3030 WARRENVILLE RD, SUITE 340
LISLE, IL 60532
NOC: (866) 892-5327
HUB LOCATION: HUB: NEH0005A
39R MEDFORD STREET
SOMERVILLE, MA 02143
ELECTRIC COMPANY: EVERSOURCE

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 PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING CODES.

- 2015 INTERNATIONAL BUILDING CODE (MASSACHUSETTS AMENDED 9TH EDITION)
- 2017 NATIONAL ELECTRICAL CODE
- NFPA 1-2015 EDITION
- 2015 IFC - REFERENCE 927 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 C2 NATIONAL ELECTRIC SAFETY CODE LATEST EDITION
- TELECORDIA GR-1275
- ANSI/T 311

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
CHELMSFORD, MA 01824
(978) 856-8308

DRAWING SCALE

THESE DRAWINGS ARE SCALED TO FULL SIZE AT 22"x34" AND HALF SIZE AT 11"x17". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE DESIGNER / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME. CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICE TO PREVENT STORM WATER POLLUTION DURING CONSTRUCTION.

COBUCS
INFORMATION

ENGINEERING FIRM



APPLICANT



STE INFORMATION

NE-MA-BSTN3N01-03330
NEH0005A
16 BROADWAY
SOMERVILLE, MA 02145
CITY OF SOMERVILLE
MIDDLESEX COUNTY

DESIGN RECORD

REV	DATE	DESCRIPTION	BY
2	10/15/21	NODE LOCATION REVISED	YD
1	04/07/21	MH LOCATION REVISED	DR
0	12/11/20	PRELIMINARY	WTA

PROFESSIONAL STAMP



ENGINEER

KRUPAKARAN KOLANDAVELU, P.E.
MA PROFESSIONAL ENGINEER LIC. #50019

SHEET TITLE

TITLE SHEET

SHEET NUMBER

SHEET
01 OF 05

GENERAL NOTES:

1. THE CONTRACTOR SHALL GIVE ALL NOTICE AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY AGENCIES, AND ANY AGENCIES OF THE STATE OF MASSACHUSETTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO THE START OF WORK.
2. THE ARCHITECT/ENGINEER HAS MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND SPECIFICATIONS THE INTENT OF THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INTERPRETATION OF THE INTENT OF THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INTERPRETATION OF THE INTENT OF THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INTERPRETATION OF THE INTENT OF THE CONTRACT.
3. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE SUBMITTER OF THE CONTRACTOR'S PROPOSAL OF PERFORMANCE OF WORK. IN THE EVENT OF A CONFLICT BETWEEN THE CONTRACTOR'S PROPOSAL AND THE INTENT OF THE CONTRACT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INTERPRETATION OF THE INTENT OF THE CONTRACT.
4. THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN, EXCEPT FOR THE CABLE AND OTHER MATERIALS IDENTIFIED BY THE ARCHITECT/ENGINEER.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
6. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO THE START OF WORK.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
8. THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE OF THE PROJECT. THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE OF THE PROJECT. THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE OF THE PROJECT.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND KEEPING A COPY ON SITE ALL NECESSARY PERMITS AND APPROVALS FOR THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND KEEPING A COPY ON SITE ALL NECESSARY PERMITS AND APPROVALS FOR THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND KEEPING A COPY ON SITE ALL NECESSARY PERMITS AND APPROVALS FOR THE PROJECT.
11. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION.
12. THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBER AND REMOVE EQUIPMENT NOT NEEDED FOR THE PROJECT. THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBER AND REMOVE EQUIPMENT NOT NEEDED FOR THE PROJECT. THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBER AND REMOVE EQUIPMENT NOT NEEDED FOR THE PROJECT.
13. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
14. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR EQUIPMENT WITHOUT THE APPROVAL OF THE CONSTRUCTION MANAGER. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR EQUIPMENT WITHOUT THE APPROVAL OF THE CONSTRUCTION MANAGER.
15. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE PROJECT. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE PROJECT. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE PROJECT.
16. SUBMITTAL OF BID INDICATES THAT THE CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE PROJECT. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE PROJECT.
17. CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES AND ALL OTHER SCHEDULING AND PROVISIONARY CIRCUMSTANCES SURROUNDING THE PROJECT. THE CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES AND ALL OTHER SCHEDULING AND PROVISIONARY CIRCUMSTANCES SURROUNDING THE PROJECT. THE CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES AND ALL OTHER SCHEDULING AND PROVISIONARY CIRCUMSTANCES SURROUNDING THE PROJECT.
18. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION CONSTRUCTION TOOLS, TRANSPORTATION, ETC., FOR COMPLETE AND FUNCTIONALITY OPERATING HEREIN AND/OR AS OTHERWISE REQUIRED. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION CONSTRUCTION TOOLS, TRANSPORTATION, ETC., FOR COMPLETE AND FUNCTIONALITY OPERATING HEREIN AND/OR AS OTHERWISE REQUIRED.
19. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNIMPAIRED CONDITION. LEGALLY DISPOSE OF ALL REMOVED, UNUSED AND EXCESS MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
20. AFTER COMPLETION OF CONSTRUCTION, RED UNID AS-BUILT PLANS SHALL BE PROVIDED TO THE CONSTRUCTION MANAGER. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION CONSTRUCTION TOOLS, TRANSPORTATION, ETC., FOR COMPLETE AND FUNCTIONALITY OPERATING HEREIN AND/OR AS OTHERWISE REQUIRED.
21. WORK SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN, PAY FOR AND DELIVER ALL REQUIRED PERMITS, CERTIFICATES OF COMPLIANCE, AND OTHER NECESSARY DOCUMENTS PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL OBTAIN, PAY FOR AND DELIVER ALL REQUIRED PERMITS, CERTIFICATES OF COMPLIANCE, AND OTHER NECESSARY DOCUMENTS PRIOR TO THE START OF WORK.
22. THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE PROJECT. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE PROJECT. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE PROJECT.
23. THE CONTRACTOR SHALL VERIFY THAT NO CONFLICTS EXIST BETWEEN THE LOCATIONS OF ANY EXISTING UTILITIES AND STRUCTURES AND THE PROPOSED WORK. THE CONTRACTOR SHALL VERIFY THAT NO CONFLICTS EXIST BETWEEN THE LOCATIONS OF ANY EXISTING UTILITIES AND STRUCTURES AND THE PROPOSED WORK. THE CONTRACTOR SHALL VERIFY THAT NO CONFLICTS EXIST BETWEEN THE LOCATIONS OF ANY EXISTING UTILITIES AND STRUCTURES AND THE PROPOSED WORK.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.

25. THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREACHAGE, COLLAPSE, ETC. ACCORDING TO APPLICABLE CODES, STANDARDS, AND GOOD CONSTRUCTION PRACTICES. THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREACHAGE, COLLAPSE, ETC. ACCORDING TO APPLICABLE CODES, STANDARDS, AND GOOD CONSTRUCTION PRACTICES.
26. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OF SYSTEMS AND COMPONENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INTERPRETATION OF THE INTENT OF THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INTERPRETATION OF THE INTENT OF THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INTERPRETATION OF THE INTENT OF THE CONTRACT.
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29. ALL ANCHORS SHALL BE 6" LONG, DOUBLE EYED, 10" SCREW TYPE UNLESS OTHERWISE SPECIFIED ON PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
30. THE TOP OF ALL BURIED CONDUIT/CABLE WILL BE PLACED 48" BELOW GRADE UNLESS OTHERWISE SPECIFIED ON PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
31. MAXIMUM PULLING TENSION ON CABLES IS 500 LBS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
32. THE CONTRACTOR MUST CONTACT ONE CALL FOR LOCATION OF EXISTING UTILITIES MINIMUM 72 HOURS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
33. FOR OPTIMUM PROTECTION, CONNECTION TO EXISTING MULTI-GROUNDED NEUTRAL (MGN) SHOULD BE THE FIRST CHOICE FOR BONDING. PERMITS SHALL BE OBTAINED FOR ALL GROUNDED SYSTEMS AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
34. PERMIT PLACARDS MUST BE ON SITE AND MADE AVAILABLE TO THE INSPECTOR UPON REQUEST. FAILURE TO COMPLY WILL RESULT IN THE PROJECT BEING SHUT DOWN, TAGGED, AND A DOUBLING OF THE FINE WILL BE IMPOSED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
35. THE EXISTING INFORMATION SHOWN REPRESENTS THE BEST DATA AVAILABLE FROM THE RECORD DRAWINGS AND FIELD SURVEY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.

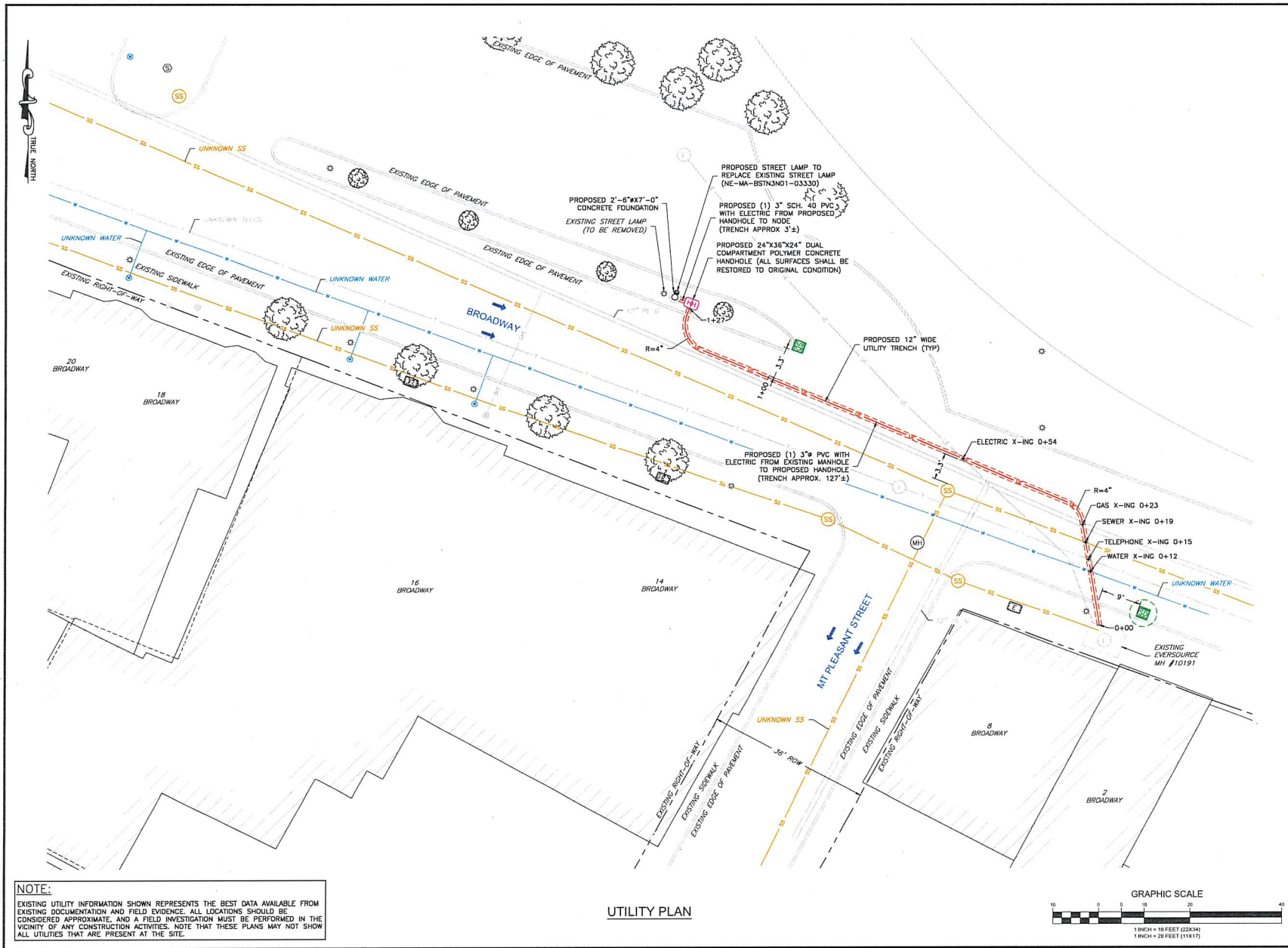
MANHOLE NOTES:

1. THE TOPS OF MANHOLE FRAMES AND COVERS SHALL BE INSTALLED FLUSH WITH GROUND, PAYMENT OR SIDEWALK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
2. THE DRAIN HOLE SHALL BE FILLED WITH AGGREGATE CONFORMING TO THE REQUIREMENTS OF BIDS, GRADING NO. 67. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
3. CONDUIT ENTERING MANHOLES SHALL BE TERMINATED FLUSH WITH THE INSIDE WALL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
4. CONDUITS SHALL BE ALIGNED IN AS NEARLY A STRAIGHT LINE AS POSSIBLE TO ALLOW FOR EASE OF PULLING CABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
5. THE SPACE REMAINING BETWEEN THE CONDUIT AND THE STRUCTURE WALL SHALL BE FILLED OR PATCHED WITH CONCRETE OR ACCEPTABLE EQUAL. SO THERE WILL BE NO LEAKAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
6. MANHOLES SHALL BE SEATED ON TRENCH FILL MEETING THE REQUIREMENTS OF BIDS. IN ORDER TO PREVENT SETTLEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
7. THE FRAME AND COVER SHALL BE PAINTED BEFORE INSTALLATION WITH 1 FIELD COAT OF PRIMER MEETING THE REQUIREMENTS OF BIDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
8. COVERS FOR MANHOLES AND HANDHOLES SHALL BE MARKED ON THE OUTSIDE. MARKING SHALL BE PLACED PARALLEL TO THE LONG SIDE OF THE COVER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
9. EACH COVER SHALL HAVE TWO 0.875 INCH PICK HOLES TO ALLOW THE COVER TO BE REMOVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
10. 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 BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
11. THE CONTRACTOR SHALL ELECTRICALLY GROUND ALL METALLIC OBJECTS COMPRISING THE MANHOLE OR HANDHOLE INCLUDING THE FRAME AND COVER, CABLE RACKS AND REINFORCING STEEL AS APPROPRIATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
12. CABLE RACKS SHALL BE INSTALLED IN THE MANHOLE, AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
13. THE CONTRACTOR SHALL ADJUST THE MANHOLE TO GRADE USING A POURED CONCRETE COLLAR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
14. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR TEMPORARY PATCHING AROUND THE MANHOLE AND HANDHOLE TO MAINTAIN THE MAINTENANCE OF THE PATCH UNTIL THE PERMANENT STREET CUT REPAIRS HAVE BEEN MADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
15. THE CONTRACTOR WILL SUBMIT CATALOG CUTS OF ALL PRECAST MANHOLES AND HANDHOLES OR AREAS SUBJECT TO VEHICLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.

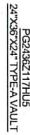


Know what's below.
Call before you dig.

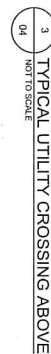
COBUC INFORMATION	ENGINEERING FIRM	APPLICANT	SITE INFORMATION	DESIGN RECORD	PROFESSIONAL STAMP	ENGINEER	SHEET TITLE	SHEET NUMBER												
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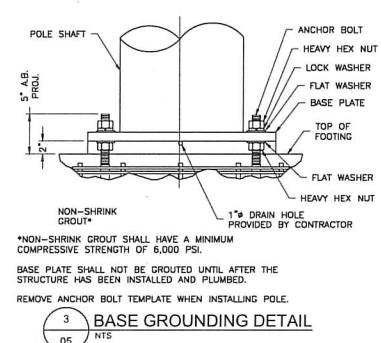
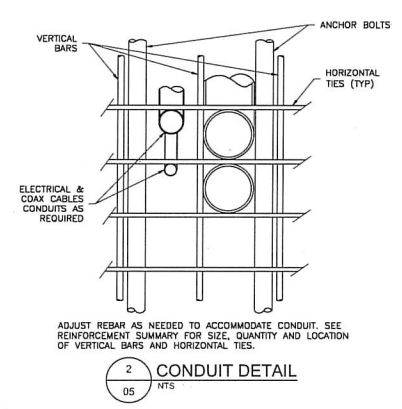
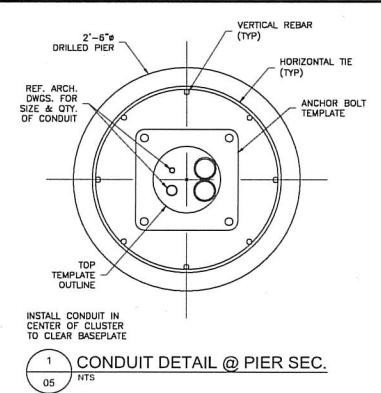
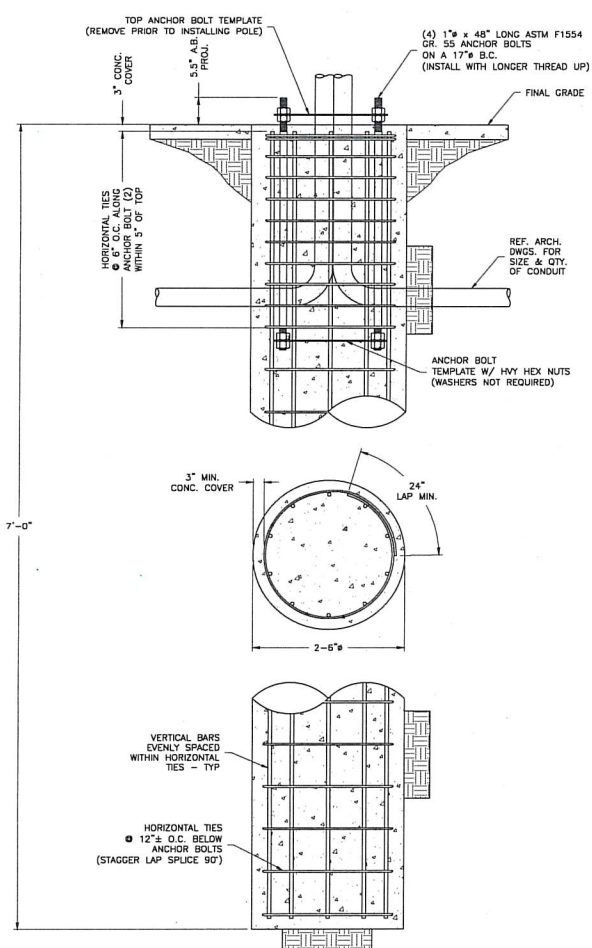
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PROFESSIONAL STAMP																	
ENGINEER	KRUPAKARAN KOLANDAVELU, P.E. MA PROFESSIONAL ENGINEER LIC. #50019																
SHEET TITLE	UTILITY PLAN																
SHEET NUMBER	SHEET 03 OF 05																



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| 1 | TYPICAL TYPE-A VAULT DETAILS |
| 04 | NOT TO SCALE |



SHEET NUMBER	SHEET TITLE -	ENGINEER	PROFESSIONAL STAMP	DESIGN RECORD	SITE INFORMATION	APPLICANT	ENGINEERING FIRM	COBUCS INFORMATION			
SHEET 04 OF 05	DETAILS	KRUPAKANNI KOLANDAVELU, P.E. MA PROFESSIONAL ENGINEER LIC. #50919		REV	DATE	DESCRIPTION	BY		 300 WARRENTON ROAD, SUITE 300 LEBANON, IL 60932 815.955.7800 1001 S. ROCKDALE	 TOTALLY COMMITTED NEB+C ENGINEERING SERVICES, LLC 1001 S. ROCKDALE LEBANON, IL 60932	
				1	10/25/21	MOCK LOCATION REQUEST	TO				
				2	10/25/21	MOCK LOCATION REQUEST	CM				
				3	10/25/21	PRELIMINARY	WY				
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REVISIONS					NE-MA-BSTN3N01-03330 NE1H00054 16 BROOKDAVE SOMERVILLE, MA 02145 CITY OF SOMERVILLE MIDDLESEX COUNTY		APPLICANT		ENGINEERING FIRM		COBUCS INFORMATION



GENERAL NOTES

- CONTRACTOR IS RESPONSIBLE FOR CHECKING AREA FOR UNDERGROUND FACILITIES PRIOR TO EXCAVATING ANY MATERIALS.
- CONTRACTOR SHALL INSPECT AND REMOVE ALL DEBRIS FROM BOTTOM OF EXCAVATION.
- CONTRACTOR SHALL VERIFY ANCHOR BOLT LAYOUT PRIOR TO, AND IMMEDIATELY AFTER PLACING CONCRETE. ANCHOR BOLT LAYOUT IS CRITICAL FOR MONOPILE INSTALLATION.
- CONTRACTOR SHALL USE AND PROVIDE DEFORMED REINFORCING BARS CONFORMING TO ASTM A615 GR. 60 (50,000 PSI MIN. YIELD). CONTRACTOR SHALL USE STEEL WIRE TO HOLD REINFORCING BARS TOGETHER. IF WELDING REBAR IS PREFERRED, SUBSTITUTE USING A706 GR. 80 DEFORMED BARS.
- CONTRACTOR SHALL USE AND PROVIDE CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI. CONCRETE SHALL USE 1" MAXIMUM STONE AGGREGATE MIX DESIGN: 8 1/2 SACKS OF CEMENT MINIMUM PER CUBIC YARD, 5" MINIMUM AND 7" MAXIMUM CONCRETE SLUMP.
- CONCRETE SHALL BE CONSOLIDATED USING VIBRATORY METHODS THROUGHOUT DEPTH OF FOUNDATION. VIBRATING LOWER DEPTHS MAY BE ACCOMPLISHED BY TOUCHING REBAR CAGE WITH VIBRATOR.
- CONTRACTOR SHOULD ANTICIPATE THE USE OF A FULL-LENGTH TEMPORARY CASING TO STABILIZE THE EXCAVATION. THE CASING SHALL BE WITHDRAWN DURING THE PLACEMENT OF CONCRETE IN THE EXCAVATED HOLE. CONCRETE SHALL BE PLACED USING CONVENTIONAL METHODS TO MINIMIZE SEGREGATION OF CONCRETE AND AGGREGATE. CONCRETE SHALL NOT FREE FALL MORE THAN 5 FT. CONCRETE MAY BE PLACED BELOW WATER USING TREMIE METHODS.
- CONCRETE SHALL BE PLACED TO THE DEPTH INDICATED, AND THE ABOVE GRADE PORTION SHALL BE FORMED. THE REBAR CAGE, ANCHOR BOLTS, AND CONCRETE SHALL BE PLACED WITHIN 24 HOURS OF COMPLETING THE EXCAVATION. COLD JOINTS ARE NOT ALLOWED.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ADEQUATE CONCRETE COVERAGE OVER REINFORCING BARS TO MINIMIZE CORROSION POTENTIAL. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL USE 3" CONCRETE COVER OVER REBAR. TOP OF FOOTING SHALL BE TROWELLED LEVEL AND SMOOTH.
- DRILLED PIER FOUNDATION DESIGN PER 2009/2012 IBC, TABLE 1805.2, CLASS 4 MATERIAL.
- TOTAL VOLUME OF CONCRETE REQUIRED FOR THIS FOUNDATION IS APPROXIMATELY 1.5 CU. YDS.

FACTORED BASE REACTIONS		
MOMENT	=	44.1 ft-kips
SHEAR	=	2.79 kips
VERTICAL	=	1.32 kips

SPECIAL INSPECTIONS

SPECIAL INSPECTION: THE FOLLOWING ELEMENTS OF CONSTRUCTION SHALL REQUIRE SPECIAL INSPECTION PER 2009/2012 IBC, SECTION 1704

ITEM DESCRIPTION	INSPECTION BY	MATERIAL
1. PIER EXCAVATION LATERAL BEARING CAPACITY	SOILS ENGINEER	300 PSF/FT LATERAL
2. PIER CONSTRUCTION REINFORCING STEEL BAR SIZES AND INSTALLATION	SPECIAL INSPECTOR	ASTM A615 GR. 60
3. ANCHOR BOLTS BOLT SIZE AND LENGTHS INSTALLATION	SPECIAL INSPECTOR	ASTM F1554 GR. 55
4. CONCRETE TEST SPECIMENS PLACEMENT OF CONCRETE	SPECIAL INSPECTOR	f'c=4,000 PSI TYPE II CEMENT

FOUNDATION DESIGN PREPARED BY WESTERN UTILITY/TELECOM, INC.

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"

COBOLCS INFORMATION

ENGINEERING FIRM

APPLICANT

SITE INFORMATION

DESIGN RECORD

PROFESSIONAL STAMP

ENGINEER

SHEET TITLE

SHEET NUMBER

NB+C
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
100 APOLLO DRIVE, SUITE 303
CHELSEA, MA 01824
(978) 856-8300

extenel
YOUR NETWORK EVERYWHERE
3030 WARRENVILLE ROAD, SUITE 340
LISLE, IL 60532
(630) 565-3800

T-Mobile

NE-MA-BSTN3N01-03330
NEH0005A
16 BROADWAY
SOMERVILLE, MA 02145
CITY OF SOMERVILLE
MIDDLESEX COUNTY

REVISIONS

REV	DATE	DESCRIPTION	BY
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Krupakaran K. Kolandavelu, P.E.
MA PROFESSIONAL ENGINEER LIC. #50019

FOUNDATION DETAILS & NOTES

SHEET
05 OF 05

Location:
102/ B/ 9/ /
45 BROADWAY
Owner:
CDA REALTY SOMERVILLE LLC
45 BROADWAY
SOMERVILLE, MA 02145

Location:
103/ D/ 1/ /
8 BROADWAY
Owner:
LACOURT ENTERPRISES LLC
30 COLLEGE AVE
SOMERVILLE, MA 02144

Location:
103/ C/ 1/ /
20 BROADWAY
Owner:
TRUST J HENRY REALTY
HENRY JOHN FRANCIS ETAL TRST
14 BROADWAY
SOMERVILLE, MA 02145

Location:
103/ C/ 2/ /
16 BROADWAY
Owner:
HENRY JOHN P ETAL TRUSTEES
J P H TRUST
16 BROADWAY
SOMERVILLE, MA 02145