



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

BUSINESS LICENSE APPLICATION - Small Wireless Facility

File #: 19-014862

License #: BL19-000105

Address: 343 SOMERVILLE 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:

Do you believe this to be a 6409(a) application?:

Describe the reason for the work, and the intended beneficiaries:

Provide the detailed description of the work that should appear on the License:

Installation of a small cell wireless facility on a wood utility pole in the public right-of-way at 343 Somerville Ave as depicted on the drawings accompanying this application. The facility will improve wireless communications services for residents, businesses, and visitors in the vicinity.

of installations on existing poles: 1

of installations on new poles:

Provide the legal name of the entity that will own the License: ExteNet Systems, Inc.

Approval Conditions:

Approved By:

Hans Jensen, Approved

Karla Cuarezma, Approved

Malik Drayton, Approved with Conditions

APPROVAL CONDITION: MD20200519: Contractor shall take all necessary precautions to avoid damaging any tree or tree part with equipment.

APPROVAL CONDITION: MD20200519: All nearby street tree(s) shall be protected prior to and during all construction activities using TREE BOX or TREE WRAPS. This includes the Two Ginkgo Trees to either side of the Pole. . 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: MD20210519: 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.

John Power, Approved

Eric Weisman, Approved

John J. Long Approved



April 12, 2021

Extenet
C/O Lilian Mendonca
10 N. Southwood Dr
Nashua, NH 03063

Re: Eversource Work Order # 4972285 for 343 Somerville Avenue, Somerville

To Whom It May Concern:

Eversource has reviewed your streetlight node application and site plans dated 3/19/21 and approve of your service being connected in Eversource MH # 20656.

Please feel free to contact me with any questions or concerns.

Sincerely,

John Daly

=====
John Daly, Manager – Electric Service Support - Eastern MA
Eversource Energy
1 NSTAR Way
Westwood, MA 02090
☎ (781) 441-3206
☎ (781) 441-8721
✉ john.daly.jr@eversource.com

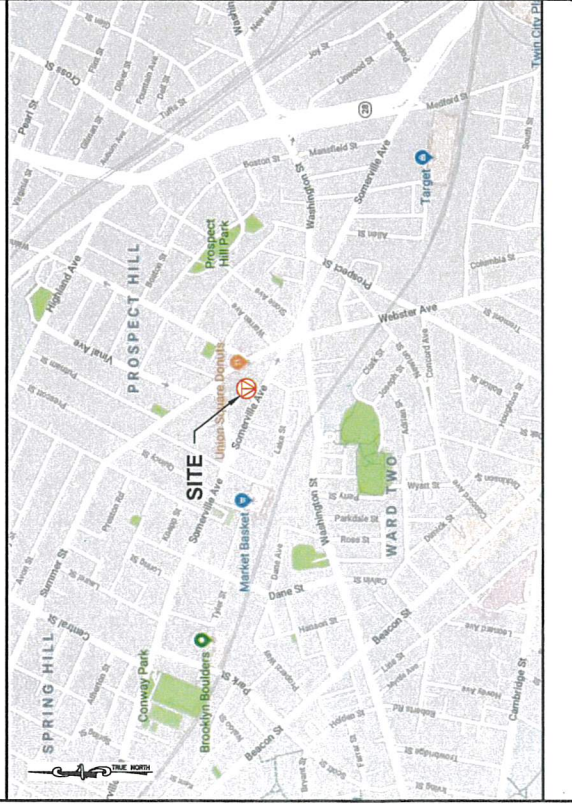
LATITUDE: 42.380797°
LONGITUDE: -71.098286°



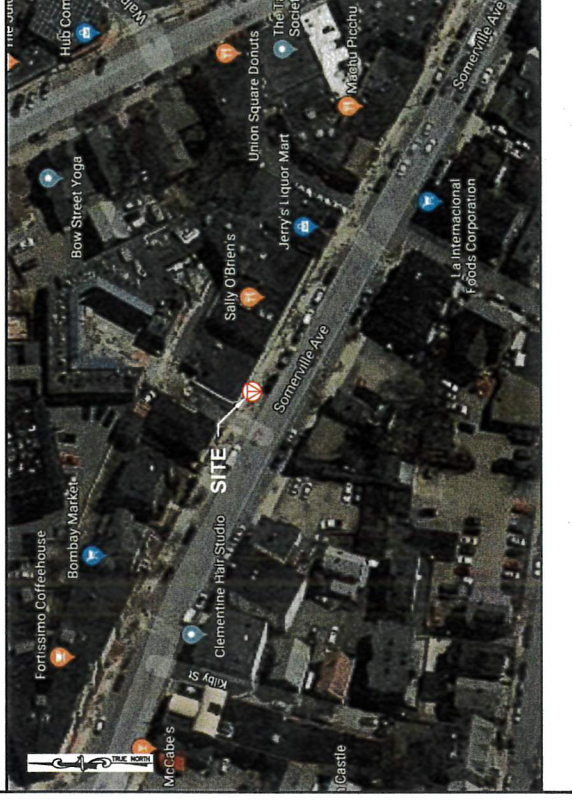
NE-MA-BSTN3N01-TMO
NE-MA-BSTN3N01-03317 / NE3212BA_11LAB
PROPOSED SMALL CELL NODE
343 SOMERVILLE AVENUE, SOMERVILLE, MA 02143
CITY OF SOMERVILLE, MIDDLESEX COUNTY



VICINITY MAP



AERIAL MAP



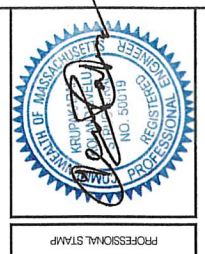
NB+C
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
100 WASHINGTON STREET, SUITE 340
SOMERVILLE, MA 02143
(617) 595-3900

extenet
YOUR NETWORK EVERYWHERE.
SYSTEMS
343 WASHINGTON STREET, SUITE 340
SOMERVILLE, MA 02143
(617) 595-3900

NE-MA-BSTN3N01-03317
TMO ID: NE3212BA_11LAB
343 SOMERVILLE AVENUE
SOMERVILLE, MA 02143
MIDDLESEX COUNTY

REVISIONS

NO	DATE	DESCRIPTION	BY
5	04/10/20	ELECTRICAL PLAN ADDED	DRG
4	03/20/20	POLE HEIGHT REVISUED	DRG
3	03/20/20	REQUIRED	NBS
2	03/09/20	STAMP ADDED	CVE
1	03/09/20	ADDRESS CHANGE	NBS
0	03/09/20	PRELIMINARY	ALM



PROFESSIONAL STAMP
ENGINEER
KRUPAKARAN KULUNDAVELU, P.E.
MA PROFESSIONAL ENGINEER LIC. #50019

SHEET TITLE
TITLE SHEET

SHEET NUMBER
01 OF 08

DRAWING INDEX

01	TITLE SHEET
02	NOTES
03	ELEVATION
04	ANTENNA & EQUIPMENT DETAILS
05	ELECTRICAL & GROUNDING DETAILS
06	FOUNDATION DETAILS & NOTES
07	ELECTRICAL PLAN
08	UNDERGROUND DETAILS

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES. THE FOLLOWING LIST IS TO BE CONSIDERED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING CODES.

- 2015 INTERNATIONAL BUILDING CODE
- 2017 NATIONAL ELECTRICAL CODE
- NFPA 1-2015 EDITION
- 2015 IFC - REFERENCE 527 CMR
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION
- MANUAL OF STEEL CONSTRUCTION 13TH EDITION
- ANSI/A-222-G
- TIA-222-B
- INSTITUTE FOR ELECTRICAL & ELECTRONICS ENGINEER 81
- IEEE C2 NATIONAL ELECTRIC SAFETY CODE LATEST EDITION
- TELECORDIA GR-1275
- ANSI/311

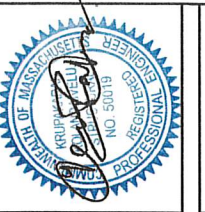
PROJECT INFORMATION

PROJECT NAME: NE-MA-BSTN3N01-TMO
POLE TAG: 42.380797°
LONGITUDE: -71.098286°
CITY OF SOMERVILLE
MIDDLESEX COUNTY
EXTENET PROJECT MANAGER: RICK ANGELENI
HUB LOCATION: 443 WASHINGTON STREET
SOMERVILLE, MA 02143
ELECTRIC COMPANY: EVERSOURCE



NE-MA-BSTN3M01-03317
TMO ID: NE3212BA, 11LAB
343 SOMERVILLE AVENUE
SOMERVILLE, MA 02143
MIDDLESEX COUNTY

Table with 5 columns: REV, DESCRIPTION, DATE, BY, CHECKED. Includes entries for ELECTRICAL PLAN, POLE RIGGING, REVISION, STAMP ADDED, ADDRESS CHANGE, PRELIMINARY, and DATE.



KRUPAARAN VOLANDAVELLI P.E.
MA PROFESSIONAL ENGINEER LIC. #50919

NOTES
SHEET 02 OF 08
SHEET NUMBER

ENGINEERING FIRM, APPURTANT, SITE INFORMATION, DESIGN RECORD, PROFESSIONAL STAMP, ENGINEER, SHEET TITLE, SHEET NUMBER

WEATHER SEAL GUIDELINES:

- 1. PREPARE ALL CONNECTIONS WITH BLACK ELECTRICAL TAPE TO COVER ALL METAL SURFACES TO PREVENT CORROSION. WEATHER SEAL IS TO BE APPLIED 3/4 INCH OR 2 INCH TAPE CAN BE USED FOR THIS PROCESS.
- 2. WIRE CONNECTIONS WITH BUTYL WEATHER SEALANT WITH TWO LAYERS TO FORM A GASKET. USE SHEAR, OVER BUTYL WILL LOCK THE SEAL. WEATHER SEALANT IS TO BE APPLIED 3/4 INCH OR 2 INCH TAPE CAN BE USED FOR THIS PROCESS.
- 3. WIRE CONNECTIONS WITH BUTYL WEATHER SEALANT WITH TWO LAYERS TO FORM A GASKET. USE SHEAR, OVER BUTYL WILL LOCK THE SEAL. WEATHER SEALANT IS TO BE APPLIED 3/4 INCH OR 2 INCH TAPE CAN BE USED FOR THIS PROCESS.
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GENERAL NOTES:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES AND AUTHORITIES.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES AND AUTHORITIES.
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ELECTRICAL NOTES:

- 1. ALL ELECTRICAL MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC), ARTICLE 90.
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GROUNDING NOTES:

- 1. ALL ELECTRICAL SYSTEMS SHALL BE GROUNDING IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC), ARTICLE 250.
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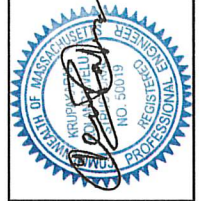
Know what's below.
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 3000 WAREHOUSING DRIVE, SUITE 300
 LISLE, IL 60532
 (815) 505-3800

NE-MA-BSTN3N01-03317
 TMO ID: NE3212BA, 11LAB
 343 SOMERVILLE AVENUE
 SOMERVILLE, MA 02143
 MIDDLESEX COUNTY

REV	DATE	DESCRIPTION	BY
5	04/14/23	ELECTRICAL PLAN ADDED	DRG
4	01/03/23	POLE HEIGHT REVISED	DRG
3	09/03/19	HEIGHT REVISED	NSR
2	08/09/19	STAMP ADDED	ONE
1	05/09/19	ADDRESS CHANGE	NSR
0	04/09/19	PRELIMINARY	ALM



KRUPA RAJU
 MA PROFESSIONAL ENGINEER, P.E.
 #54019

ELEVATION

SHEET NUMBER
03 OF 08

ENGINEERING FIRM

APPLICANT

SITE INFORMATION

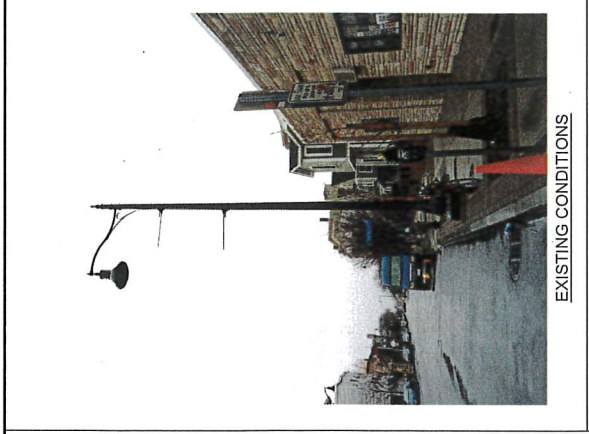
DESIGN RECORD

PROFESSIONAL STAMP

ENGINEER

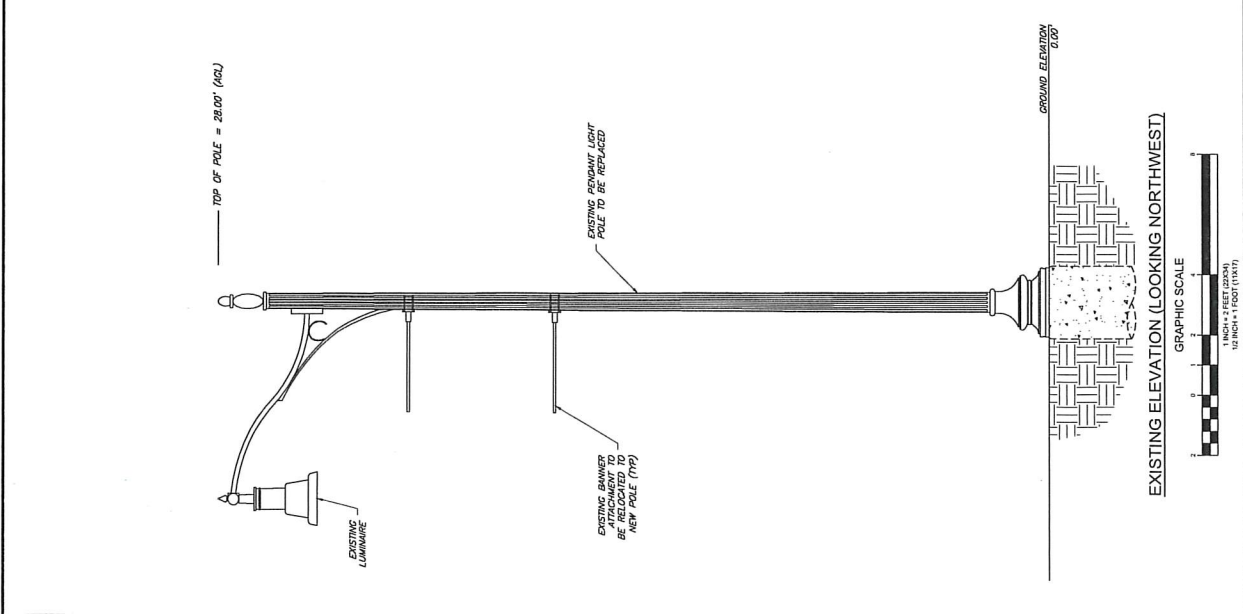
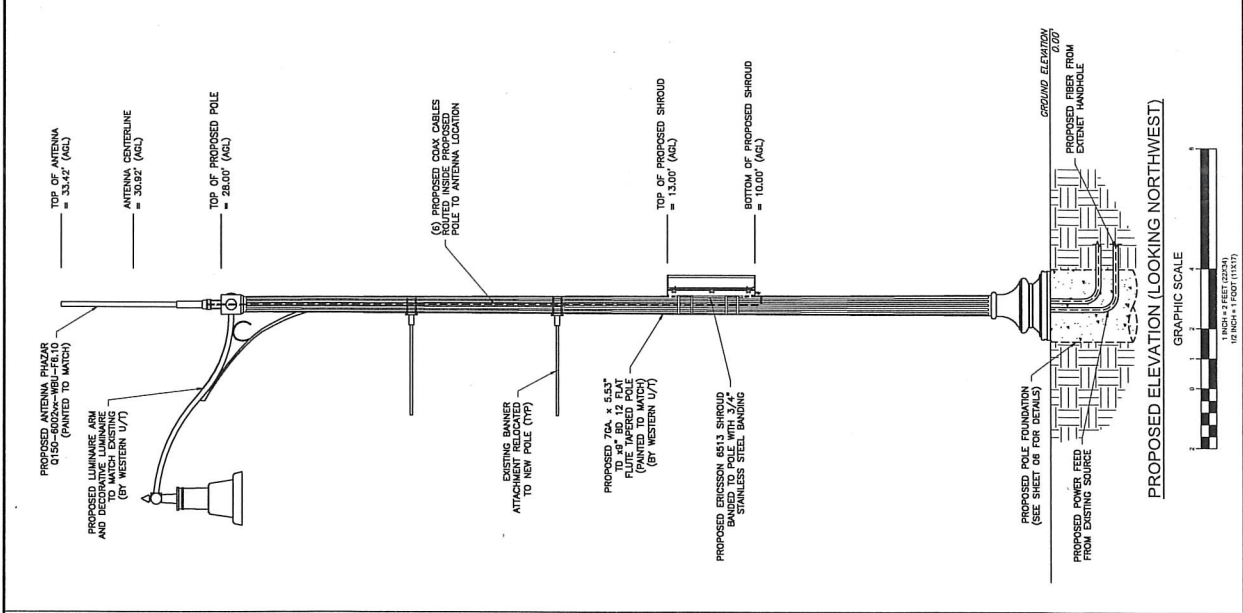
SHEET TITLE

SHEET NUMBER



EXISTING CONDITIONS

- NOTES:**
- ALL MATERIALS WILL MATCH CURRENTLY EXISTING MATERIALS AND WHERE NEEDED ANY RP FRIENDLY MATERIAL WILL BE PAINTED TO MATCH.
 - IT IS ASSUMED THAT ALL PROPOSED UTILITIES WILL BE ROUTED BELOW GRADE TO THE PROPOSED INSTALLATION.
 - EXTENET WILL PLACE SMALL PLACARD ON POLE IDENTIFYING OWNERSHIP/CONTACT INFORMATION.
 - CONTRACTOR SHALL FIELD VERIFY SITE OR LAYOUT RESTRICTIONS, SITE CONDITIONS, DIMENSIONS, AND ELEVATIONS BEFORE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER. ALL WORK SHALL BE PERFORMED USING ACCEPTED CONSTRUCTION PRACTICES.
 - NO FIELD MODIFICATIONS MAY BE MADE TO THE STRUCTURE WITHOUT THE EXPRESS WRITTEN CONSENT FROM THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WORKER'S SAFETY AND SHALL MAINTAIN ACCESS TO ALL UTILITIES AND/OR ADJUSTMENTS AS NECESSARY.
 - THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL COMPLY WITH ALL LOCAL, STATE, FEDERAL, AND NATIONAL REGULATIONS AND DIVISION OF INDUSTRIAL SAFETY (OSHA) REQUIREMENTS.
 - THE CONTRACTOR SHALL SUPERVISE AND DIRECT ALL WORK TO THE BEST OF HIS/HER ABILITY AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, AND SEQUENCES, AND FOR OBTAINING ALL PERMITS OF THE WORK UNDER THE CONTRACT.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL WORKERS AND THE PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ITEMS REQUIRING SAME, WHETHER SHOWN OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL WORKERS AND THE PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ITEMS REQUIRING SAME, WHETHER SHOWN OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL WORKERS AND THE PUBLIC.
 - CONTRACTOR ASSUMES RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING THE SAFETY OF ALL CONSTRUCTION PRACTICES. THIS REQUIREMENT APPLIES CONTINUOUSLY, AND IS NOT LIMITED TO NORMAL WORKING HOURS.
 - CONTRACTOR TO HOLD ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, SHOWING THE LOCATION OF UTILITIES OR OTHER PROPERTY DAMAGED IN CONNECTION WITH THE EXECUTION OF WORK ON THIS PROJECT.





NE-MA-BSTN3N01-03317
 TMO ID: NE3212BA.11LAB
 343 SOMERVILLE AVENUE
 SOMERVILLE, MA 02143
 MIDDLESEX COUNTY

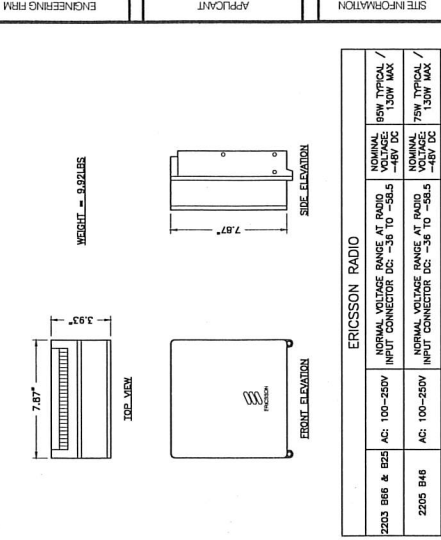
REV	DATE	DESCRIPTION	BY
1	05/01/19	PRELIMINARY	ALM
2	05/01/19	ADDRESS CHANGE	MSB
3	05/01/19	STRIP ADDED	CHE
4	07/20/20	POLE HEIGHT REVISED	DRG
5	04/14/22	ELECTRICAL PLAN ADDED	DRG



KRUPAARAN KOLANJAVELU, P.E.
 MA PROFESSIONAL ENGINEER LIC. #50019

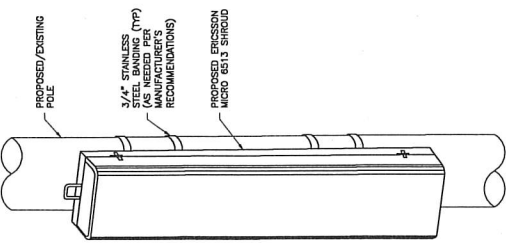
ANTENNA & EQUIPMENT DETAILS

SHEET NUMBER 04 OF 08

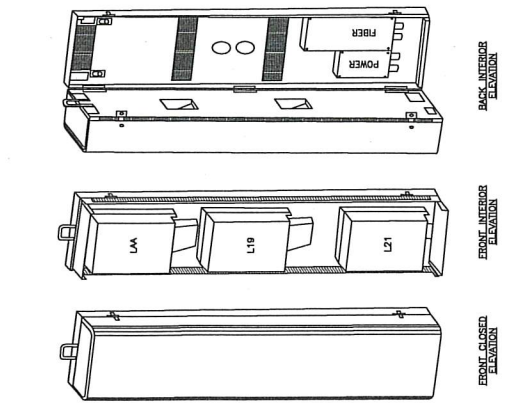


ERICSSON RADIO		NORMAL VOLTAGE RANGE AT RADIO INPUT CONNECTOR DC: -36 TO -58.5	NORMAL VOLTAGE RANGE AT RADIO INPUT CONNECTOR DC: -36 TO -58.5
2203 B66 & B25	AC 100-250V	NOMINAL VOLTAGE: -48V DC	NOMINAL VOLTAGE: -48V DC
2205 B48	AC 100-250V	NOMINAL VOLTAGE: -48V DC	NOMINAL VOLTAGE: -48V DC

3 ERICSSON REMOTE RADIO UNIT (RRU) NTS 04

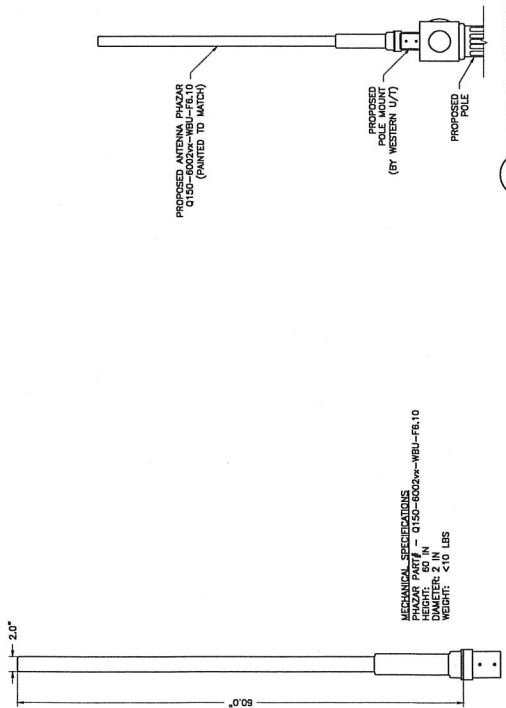


2 EQUIPMENT MOUNTING DETAIL NTS 04



MECHANICAL SPECIFICATIONS
 ERICSSON PART# - ENCLOSURE 6513
 HEIGHT: 35.4 IN
 WIDTH: 11.4 IN
 DEPTH: 9.4 IN (ENCLOSURE ONLY)
 WEIGHT: 71.4 LBS (FULLY EQUIPPED)

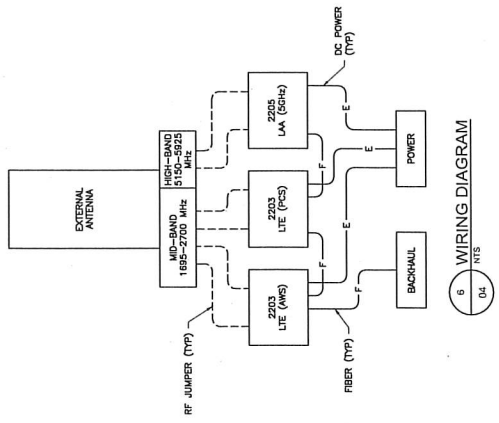
1 ERICSSON MICRO 6513 SHROUD DETAIL NTS 04



MECHANICAL SPECIFICATIONS
 PHAZAR PART# - Q150-6002xx-WBU-FE.10
 HEIGHT: 2.0 IN
 DIAMETER: 2 IN
 WEIGHT: <10 LBS

5 ANTENNA MOUNT DETAIL NTS 04

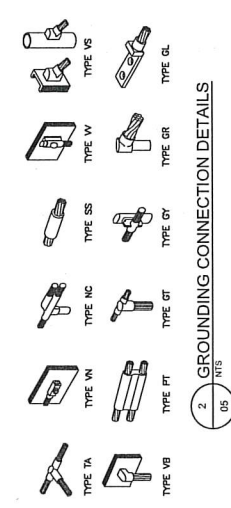
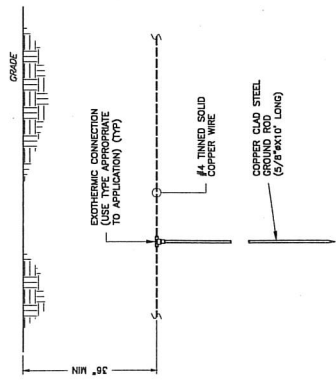
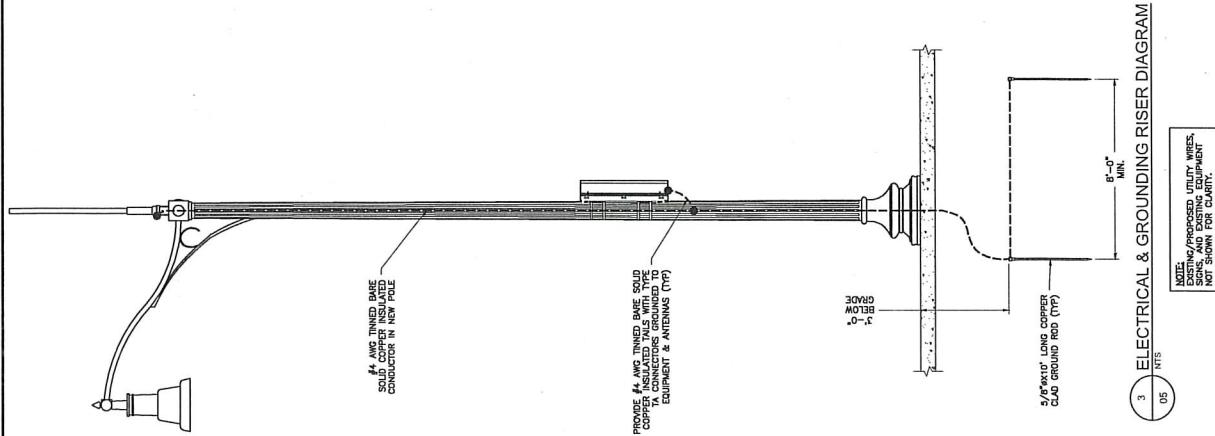
4 ANTENNA DETAIL NTS 04



6 WIRING DIAGRAM NTS 04

REVISIONS

REV	DATE	DESCRIPTION	BY
5	04/14/21	ELECTRICAL PLAN ADDED	DRG
4	07/25/20	POLE HEIGHT REVISED	DRG
3	09/22/19	REVISED	NSB
2	09/02/19	STAMP ADDED	CON
1	06/07/19	ADDRESS CHANGE	NSB
0	04/02/19	PRELIMINARY	ALM



REV	DATE	DESCRIPTION	BY
1	08/09/19	ADDRESS CHANGE	NBS
2	08/09/19	STAMP ADDED	ONE
3	09/23/19	REVISED	NBS
4	07/25/20	POLE HEIGHT REVISED	DRG
5	04/14/20	ELECTRICAL PLAN ADDED	DRG



REUPAMARAN VOLANDAVELLU, P.E.
MA PROFESSIONAL ENGINEER LIC. #50019

**FOUNDATION
DETAILS & NOTES**

SHEET NUMBER
06 OF 08

GENERAL NOTES

- CONTRACTOR IS RESPONSIBLE FOR CHECKING AREA FOR UNDERGROUND UTILITIES. CONTRACTOR SHALL INSPECT AND REMOVE ALL DEBRIS FROM BOTTOM OF EXCAVATION.
- ANCHOR BOLTS SHALL BE INSTALLED AND WELDED TO REBAR IMMEDIATELY AFTER PLACING CONCRETE. ANCHOR BOLT LAYOUT IS TO BE PROVIDED BY CONTRACTOR AND SHALL BE APPROVED BY THE ENGINEER.
- CONCRETE SHALL BE PLACED IN 6" TO 8" LAYERS WITH VIBRATION. CONCRETE SHALL BE PLACED WITHIN 15 MINUTES OF THE START OF POURING.
- CONCRETE SHALL BE PLACED WITHIN 15 MINUTES OF THE START OF POURING. CONCRETE SHALL BE PLACED WITHIN 15 MINUTES OF THE START OF POURING.
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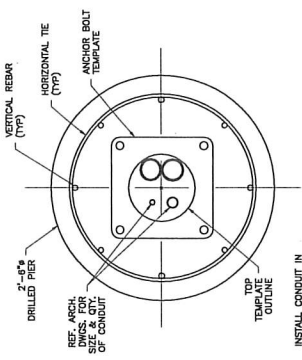
FACTORED BASE REACTIONS

MOMENT	= 30.0 ft-kip
WEIGHT	= 2.28 kip
SHEAR	= 1.50 kip

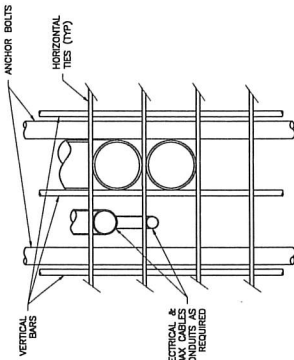
SPECIAL INSPECTIONS

- SPECIAL INSPECTION POINTS OF CONSTRUCTION SHALL REQUIRE SPECIAL INSPECTION PER 2009/2012 IBC, SECTION 1704.
- | ITEM DESCRIPTION | INSPECTION BY | MATERIAL |
|---|-------------------|--------------------------------|
| 1. PIER EXCAVATION | SOILS ENGINEER | 300 PPS/FT LARVAL |
| 2. REINFORCEMENT BAR SIZES AND INSTALLATION | INSPECTOR | ASTM A615 GR. 60 |
| 3. ANCHOR BOLTS | SPECIAL INSPECTOR | ASTM F1554 GR. 55 |
| 4. CONCRETE PLACEMENT | SPECIAL INSPECTOR | 1" x 4" x 8" PSI TYPE II GROUT |

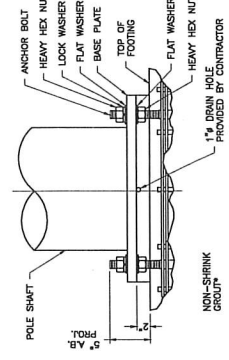
REINFORCEMENT REBAR PROVIDED BY WESTERN UTILITY/TELECOM, INC.



1 CONDUIT DETAIL @ PIER SEC.

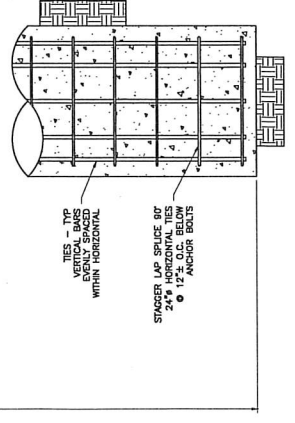
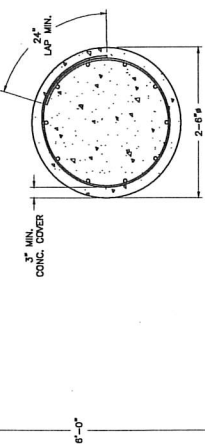
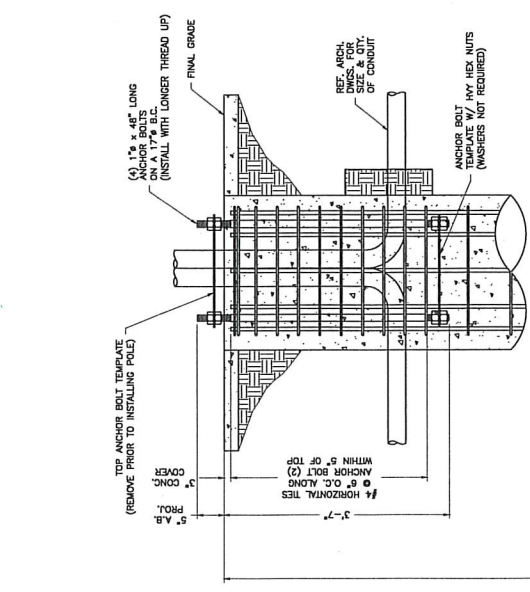


2 CONDUIT DETAIL



*NON-SHRINK GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 6,000 PSI.
BASE PLATE SHALL NOT BE GROUTED UNTIL AFTER THE STRUCTURE HAS BEEN INSTALLED AND FURNISHED.

3 BASE GROUNDING DETAIL



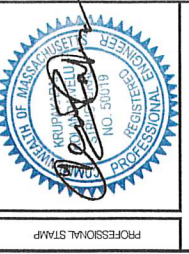
DESCRIPTION	QTY.	SIZE	LENGTH	WEIGHT	OVERLAP
VERTICAL BARS	6	#6	5'-4"	66 LBS.	N/A
HORIZONTAL TIES	10	#4	6'-4"	50 LBS.	2'-0"

N&C
TOTALLY COMMITTED
N&C ENGINEERING SERVICES, LLC.
PROFESSIONAL ENGINEER, REG. NO. 50019
100 WASHINGTON ST., SUITE 200
SOMERVILLE, MA 01906

exienet
YOUR NETWORKS
EVERYWHERE
SYSTEMS
3000 WASHINGTON ROAD, SUITE 200
LISLE, IL 60532
(815) 505-3900

NE-MA-BSTN3N01-03317
TMO ID: NE3212BA.11LAB
343 SOMERVILLE AVENUE
SOMERVILLE, MA 02143
MIDDLESEX COUNTY

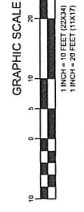
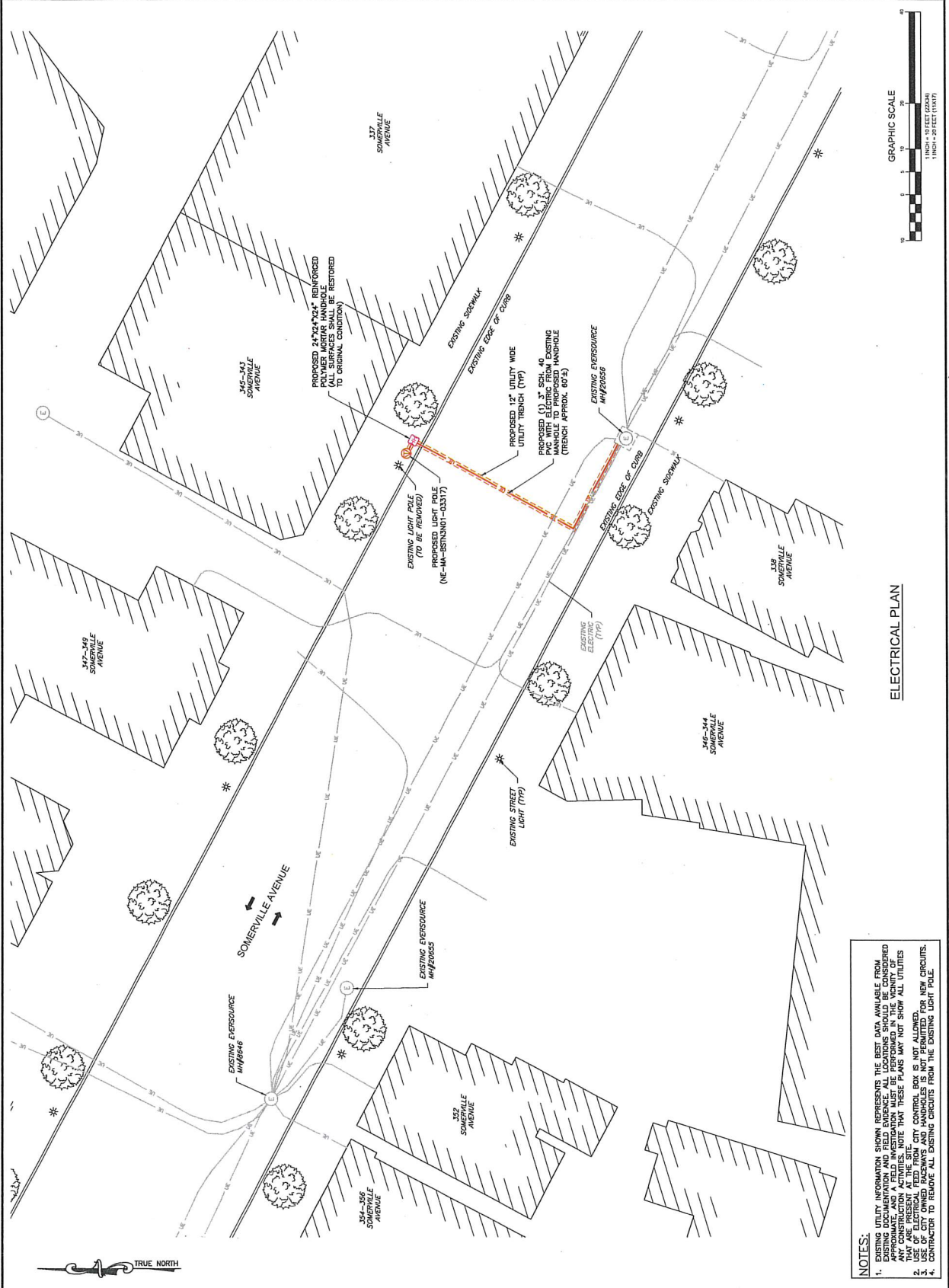
REVISIONS	
NO.	DESCRIPTION
5	ELECTRICAL PLAN ADDED
4	POLE HEIGHT REVISION
3	REVISION
2	STAMP ADDED
1	ADDRESS CHANGE
0	PRELIMINARY
AM	DATE
BY	DESCRIPTION



KRUPAARAN KOLLANDAVELLI, P.E.
MA PROFESSIONAL ENGINEER, LIC. #50019

ELECTRICAL PLAN

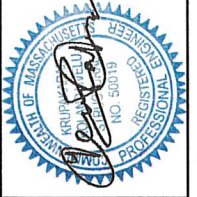
SHEET NUMBER
07 OF 08



ELECTRICAL PLAN

- NOTES:**
- EXISTING UTILITY INFORMATION SHOWN REPRESENTS THE BEST DATA AVAILABLE FROM EXISTING DOCUMENTATION AND FIELD EVIDENCE. ALL LOCATIONS SHOULD BE CONSIDERED APPROXIMATE AND A FIELD SURVEY SHOULD BE CONDUCTED TO VERIFY ALL UTILITIES THAT ARE PRESENT AT THE SITE.
 - ALL CITY CONTROL BOXES ARE NOT ALLOWED.
 - USE OF CITY OWNED ROADSWAYS AND HANDHOLES IS NOT PERMITTED FOR NEW CIRCUITS.
 - CONTRACTOR TO REMOVE ALL EXISTING CIRCUITS FROM THE EXISTING LIGHT POLE.

REV	DATE	DESCRIPTION	BY
1	05/05/19	PRELIMINARY	AMJ
2	08/20/19	STAMP ADDED	CHE
3	09/03/19	REVISED	NBS
4	07/29/20	POLE HEIGHT REVISED	DRG
5	04/14/22	ELECTRICAL PLAN ADDED	DRG



KRUPAARAN KOLANJAVELU, P.E.
MA PROFESSIONAL ENGINEER LIC. #50019

UNDERGROUND DETAILS

ENGINEERING FIRM

APPLICANT

SITE INFORMATION

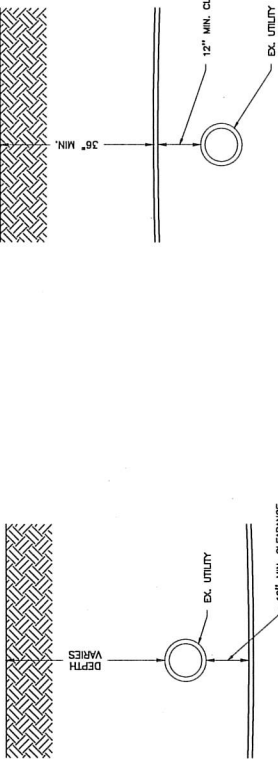
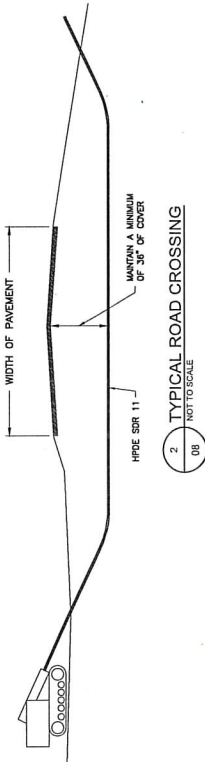
DESIGN RECORD

PROFESSIONAL STAMP

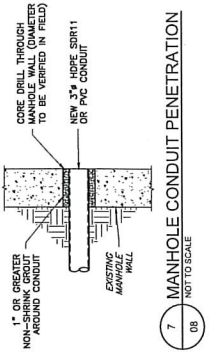
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SHEET TITLE

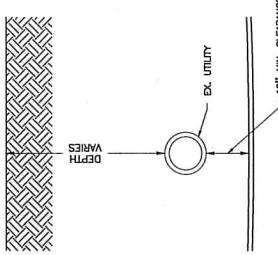
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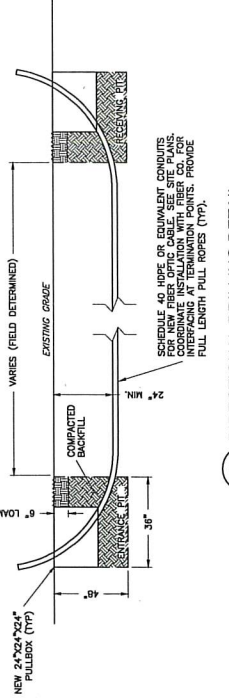
4 TYPICAL UTILITY CROSSING ABOVE
NOT TO SCALE



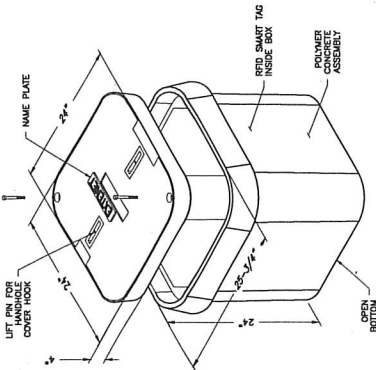
7 MANHOLE CONDUIT PENETRATION
NOT TO SCALE



3 TYPICAL UTILITY CROSSING BELOW
NOT TO SCALE

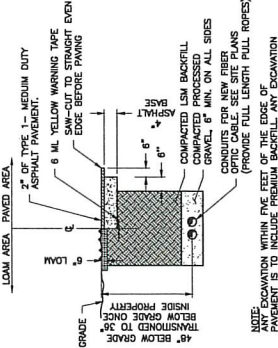


6 DIRECTIONAL DRILLING DETAIL
NOT TO SCALE



- NOTE:
1. THE MANHOLE SHALL BE SET WITH THE TOP COVER LEVEL AND MATCHING THE EXISTING SURFACE.
 2. THE FLOOR OF THE PIT SHALL BE COVERED WITH 10"-12" OF FINE GRAVEL. IN WETTER AREAS, SAND SHALL BE USED INSTEAD OF GRAVEL. THE GRAVEL SHALL BE PLACED IN THE CENTER OF THE PIT.
 3. ALL LIDS SHALL BE COVERED WITH 2\"/>

1 TYPICAL TYPE-A VAULT DETAILS
NOT TO SCALE



5 UTILITY TRENCH RESTORATION DETAIL
NOT TO SCALE