4 CHARLES ST

CITY, STATE, ZIP: BOSTON, MA 02108

NOTE:

GENERAL CONTRACTOR IS REQUIRED TO CROSS CHECK COORDINATES, EXHIBIT PHOTO, AERIAL PHOTO AND SITE PLAN TO ENSURE PROPER POLE LOCATION PRIOR TO BREAKING GROUND, CONCERNS OR QUESTIONS SHOULD BE IMMEDIATELY DIRECTED TO ASSIGNED EXTENET PROJECT MANAGER.

ENTER 1-888-DIG-SAFE **GENERAL NOTES**

UNDERGROUND SERVICE ALERT

72 HOURS NOTICE REQUIRED.

CALL BEFORE YOU DIG

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, A TECHNICHIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE: NO SANITARY SEWER SERVICE, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE

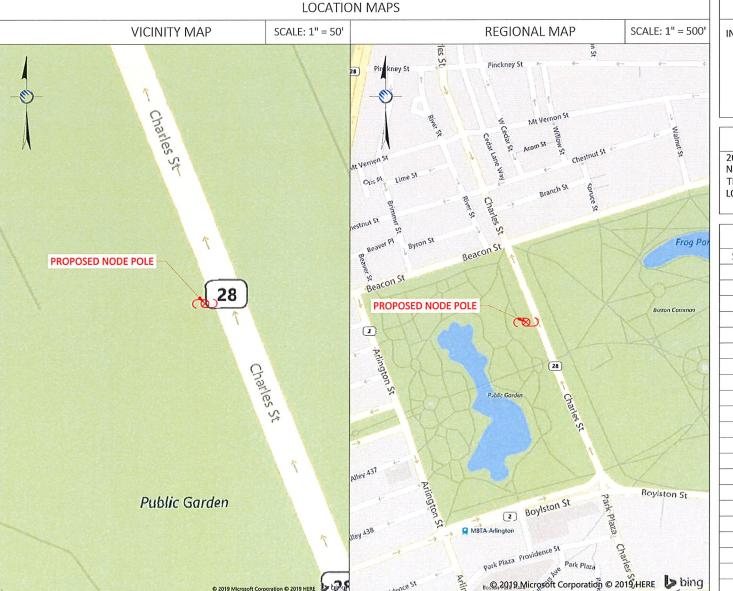
SIT	SITE INFORMATION	
CRAN ID:	CRAN_RCTB_2HA4_100	
EXTENET NODE ID:	NE-MA-BSTBSC01-00100	
LATITUDE:	42.35507443°	
LONGITUDE:	-71.06896999°	
SITE ADDRESS:	4 CHARLES ST	
CITY, STATE ZIP:	BOSTON, MA 02108	
COUNTY:	MIDDLESEX	
JURISDICTION:	BOSTON	
PROPERTY OWNER:	CITY OF BOSTON RIGHT-OF-WAY	
APPLICANT:	EXTENET SYSTEMS 876 HAMMOND ST CHESTNUT HILL, MA 02467 (617) 232-4154	

ENGINEER

RICK ANGELINI 3030 WARRENVILLE RD SUITE 340 LISLE, IL 60532 NOC: (866) 892-5327

DO NOT SCALE DRAWINGS

CONTRACTORS SHALL VERIFY ALL PLANS, (EX.) DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



Boston Public Works Street Lighting Department

Location and Design Approved

PROJECT DESCRIPTION

INVOLVING INSTALLMENT:

THESE PLANS REPRESENT A PORTION OF A PROPOSED SMALL CELL BUILD INVOLVING THE INSTALLMENT OF AN ANTENNA AND RADIO EQUIPMENT ON AN EXISTING WOODEN UTILITY OR REPLACEMENT METAL STREETLIGHT POLE.

CODES

2019 INTERNATIONAL BUILDING CODE NATIONAL ELECTRIC SAFETY CODE TIA/EIA-222-G-2 OR LATEST EDITION LOCAL BUILDING / PLANNING CODE

DRAWING INDEX		
SHEET TITLE		
TITLE SHEET		
SITE PLAN & EXHIBIT PHOTO		
ELEVATIONS		
ELEVATIONS		
ANTENNA DETAILS		
RADIO SHROUD DETAILS		
FOUNDATION DETAILS		
GROUNDING & WIRING DIAGRAMS		
GENERAL NOTES		
GENERAL NOTES		
-		





FOR PERMITTING PURPOSES ONLY

4 CHARLES ST BOSTON, MA 02108

MIDDLESEX COUNTY

P.E. STAMP AREA: -

- DRAWING NOTES:

AS NOTED DRAWN BY: PLAN ORIG. DATE: 03/06/19

VISIONS:	_	
DESCRIPTION	ву	DATE

LAT: 42.35507443° LONG: -71.06896999° CRAN ID: CRAN RCTB 2HA4 100

EXTENET NODE ID: NE-MA-BSTBSC01-00100

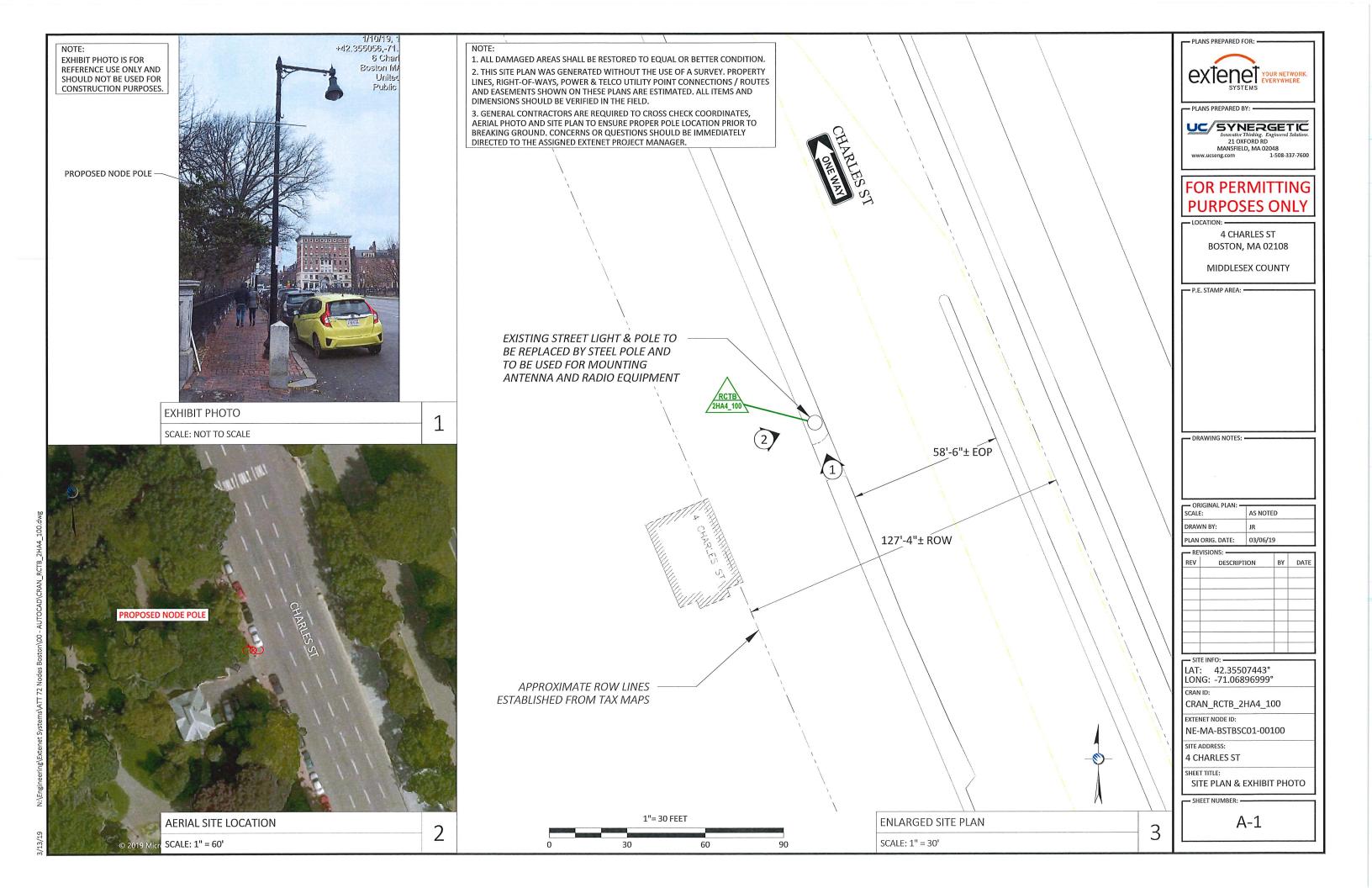
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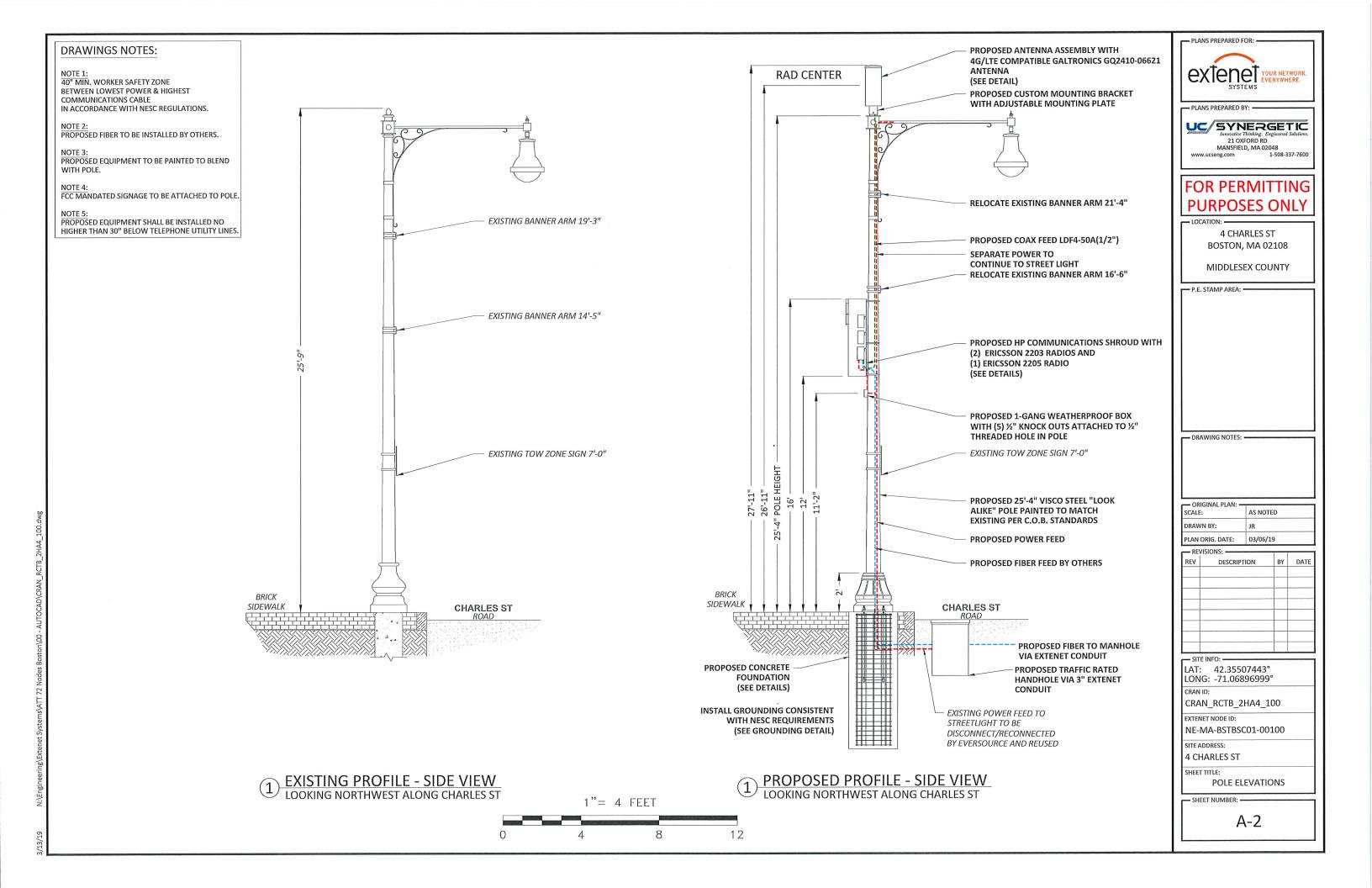
4 CHARLES ST SHEET TITLE:

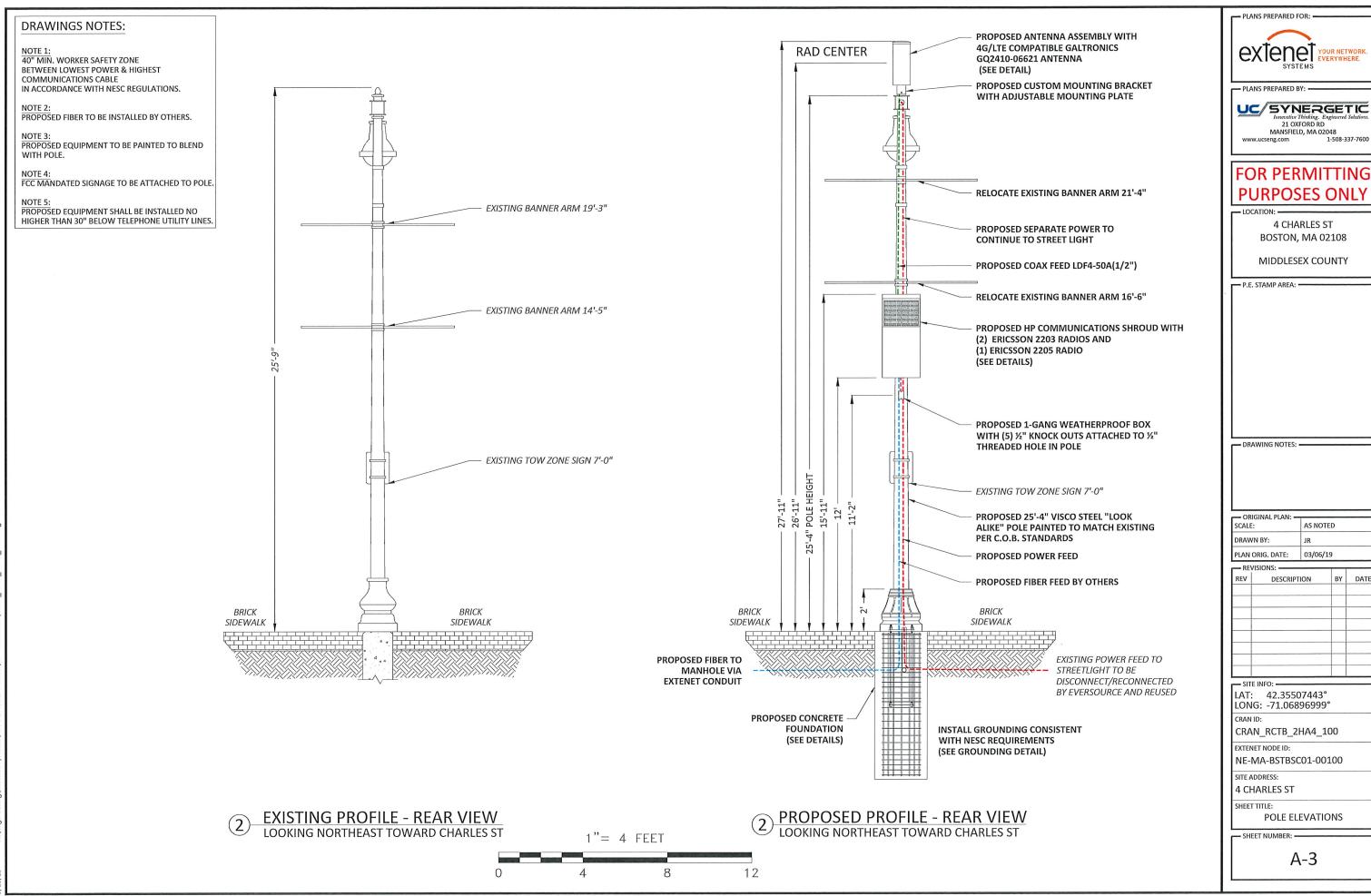
SITE INFO: -

TITLE SHEET - SHEET NUMBER:

T-1







ering\Extenet Systems\ATT 72 Nodes Boston\00 - AUTOCAD\CRAN RCTB 2HA4 100.

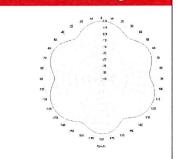
12/10

24"x 10" Pseudo Omni 10-Port Canister Antenna [1695-2360, 3550-3700 and 5150-5925 MHz]

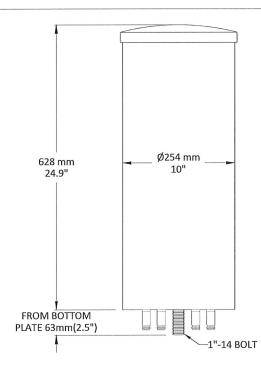
GQ2410-06621

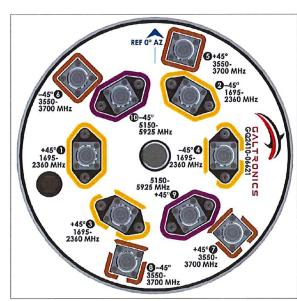
Description:

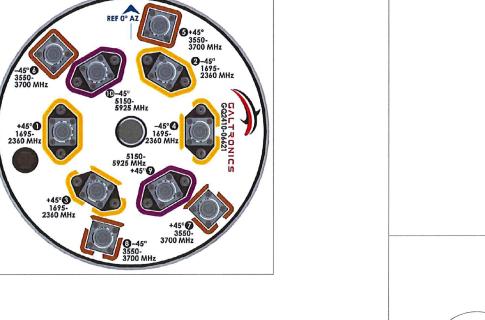
- Pseudo Omni Canister Antenna for Outdoor DAS and Small Cells.
- 4x ports for AWS/PCS/WCS Band 1695-2360 MHz
- 4x ports for CBRS Band 3550-3700 MHz
- 2x ports for UNII Band 5150-5925 MHz*

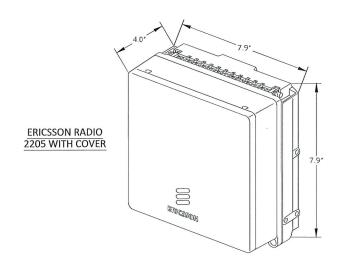


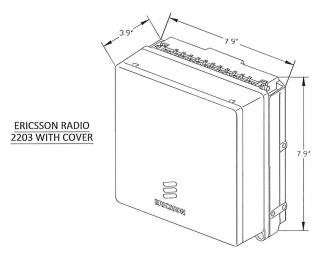
1695-2360, 3550-3700 and 5150-5925 MHz Pseudo Omni Canister Antenna











Ø6.1"

Ø1.1"

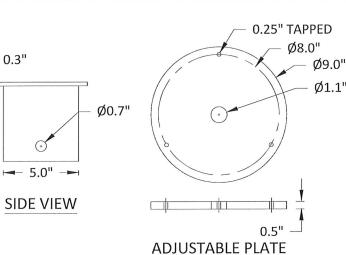
TOP VIEW

0.3"

SCALE: NOT TO SCALE

5.0"

ERICSSON 2203 & 2205 RADIOS WITH COVER POLE MOUNT REMOTE UNIT SCALE: NOT TO SCALE



CUSTOM MOUNTING BRACKET

- PLANS PREPARED FOR: -

- PLANS PREPARED BY: -

UC/SYNERGETIC 21 OXFORD RD MANSFIELD, MA 02048 seng.com 1-508-337-7600

FOR PERMITTING PURPOSES ONLY

4 CHARLES ST BOSTON, MA 02108

MIDDLESEX COUNTY

P.E. STAMP AREA: -

- DRAWING NOTES: -

ORIGINAL PLAN: SCALE: AS NOTED DRAWN BY:

REVISIONS: -DESCRIPTION

SITE INFO: —

LAT: 42.35507443° LONG: -71.06896999° CRAN ID:

CRAN_RCTB_2HA4_100 EXTENET NODE ID:

NE-MA-BSTBSC01-00100

SITE ADDRESS: 4 CHARLES ST

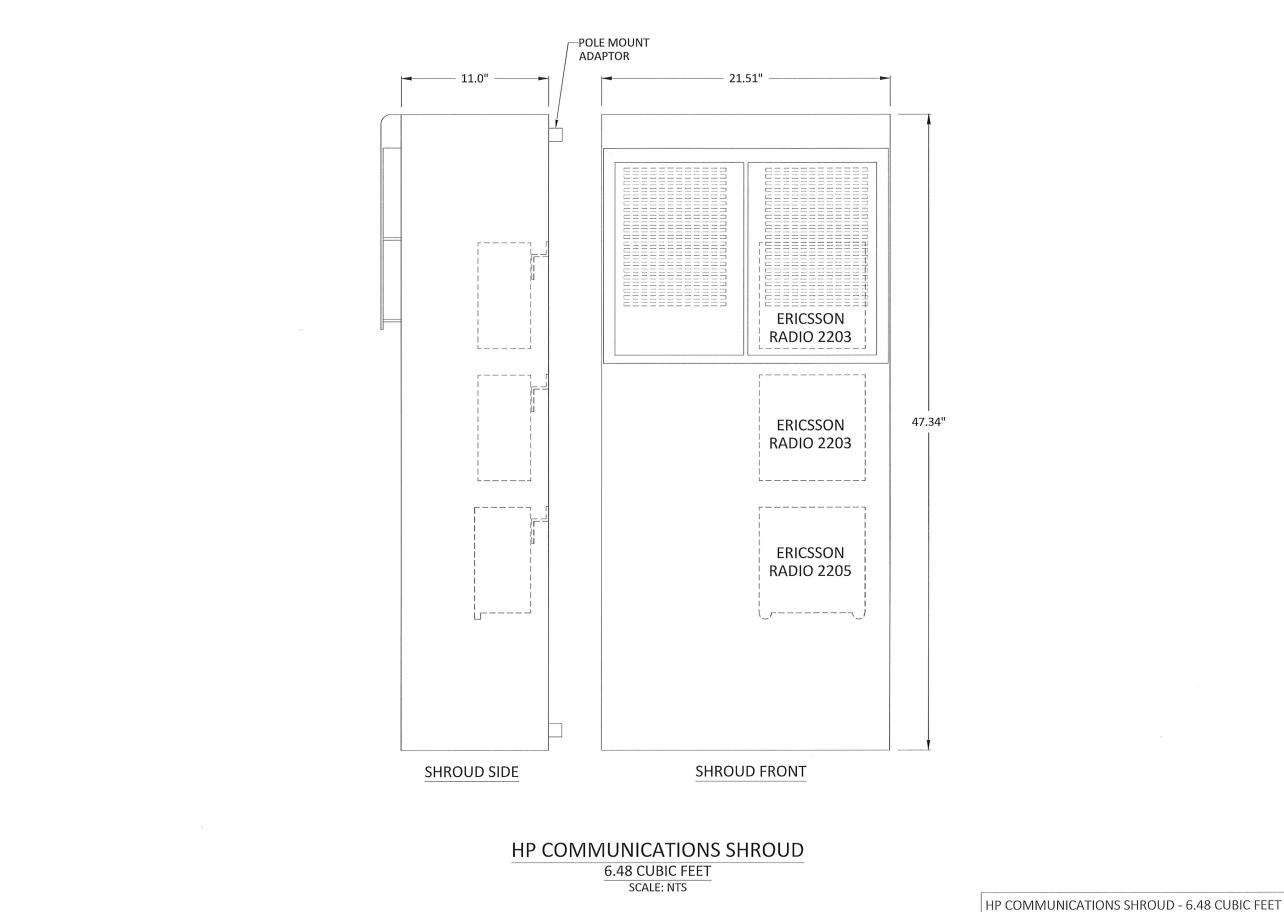
SHEET TITLE: ANTENNA DETAILS

- SHEET NUMBER:

D-1

GALTRONICS GQ2410-06621 ANTENNA

SCALE: NOT TO SCALE



PLANS PREPARED FOR:

PLANS PREPARED FOR:

YOUR NETWORK.
EVERYWHERE.

- PLANS PREPARED BY: -

Imevative Thinking. Engineered Solutions. 21 OXFORD RD MANSFIELD, MA 02048 www.ucseng.com 1-508-337-7600

FOR PERMITTING PURPOSES ONLY

LOCATION:

4 CHARLES ST BOSTON, MA 02108

MIDDLESEX COUNTY

P.E. STAMP AREA: —

- DRAWING NOTES: -

ORIGINAL PLAN:

SCALE:

AS NOTED

DRAWN BY:

PLAN ORIG. DATE:

03/06/19

REVISIONS: -

REV	DESCRIPTION	BY	DATE
_			

SITE INFO: —

LAT: 42.35507443° LONG: -71.06896999°

CRAN ID:

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4 CHARLES ST

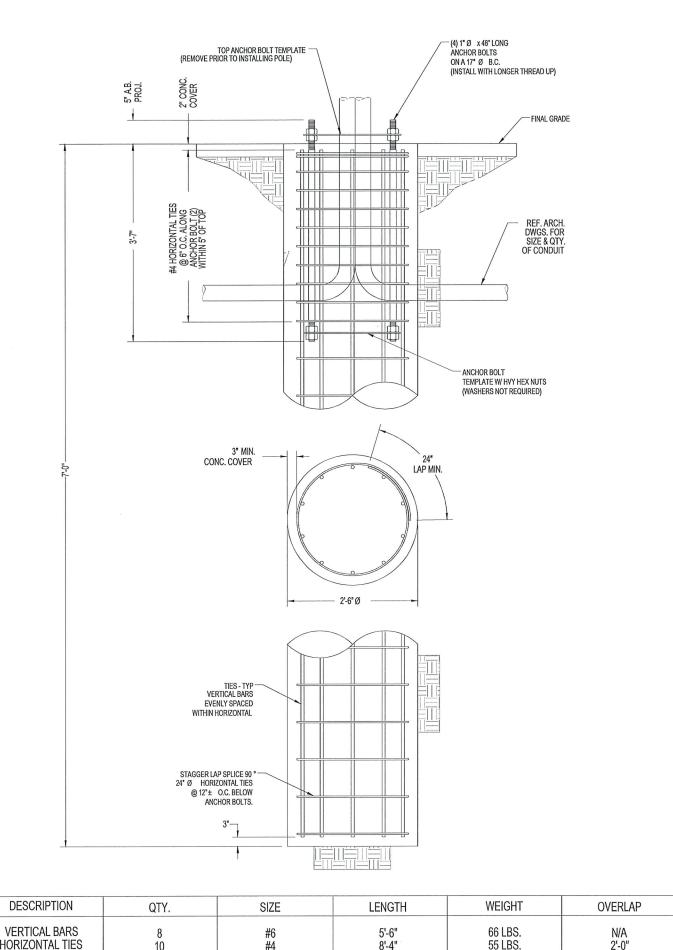
SHEET TITLE:

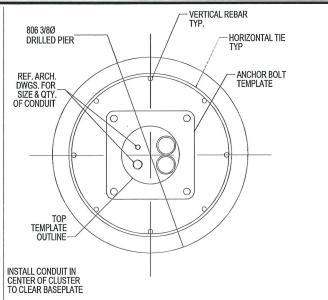
RADIO SHROUD DETAILS

SHEET NUMBER: -

D-2

SCALE: NOT TO SCALE

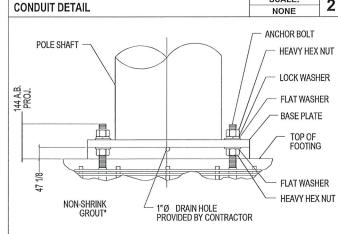




CONDUIT DETAIL @ PIER SECTION NONE ANCHOR BOLTS VERTICAL HORIZONTAL TIES **ELECTRICAL &** COAX CABLES CONDUITS AS REQUIRED * ADJUST REBAR AS NEEDED TO ACCOMMODATE CONDUIT. SEE REINFORCEMENT SUMMARY FOR SIZE, QUANTITY AND LOCATION OF VERTICAL BARS AND HORIZONTAL TIES.

SCALE:

SCALE:



* NON-SHRINK GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 6.000 PSI.

BASE PLATE SHALL NOT BE GROUTED UNTIL AFTER THE

SCALE: BASE GROUTING DETAIL

GENERAL NOTES

- 1. CONTRACTOR IS RESPONSIBLE FOR CHECKING AREA FOR UNDERGROUND
- FACILITIES PRIOR TO EXCAVATING ANY MATERIALS.
 2. CONTRACTOR SHALL INSPECT AND REMOVE ALL DEBRIS FROM BOTTOM OF
- 3. CONTRACTOR SHALL VERIFY ANCHOR BOLT LAYOUT PRIOR TO, AND IMMEDIATELY AFTER PLACING CONCRETE. ANCHOR BOLT LAYOUT IS CRITICAL FOR MONOPOLE INSTALLATION. CONTRACTOR SHALL USE AND PROVIDE DEFORMED REINFORCING BARS
- CONFORMING TO ASTM A615 GR. 60 (60,000 PSI MIN. YIELD). CONTRACTOR SHALL USE STEEL WIRE TO HOLD REINFORCING BARS TOGETHER. IF WELDING REBAR IS PREFERRED, SUBSTITUTE USING A706 GR. 60 DEFORMED BARS
- 5. CONTRACTOR SHALL USE AND PROVIDE CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI. CONCRETE SHALL USE 1" MAXIMUM STONE AGGREGATE. MIX DESIGN: 6 1/2 SACKS OF CEMENT MINIMUM PER CUBIC YARD. 5" MINIMUM AND 7" MAXIMUM CONCRETE
- 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
- 10. DRILLED PIER FOUNDATION DESIGN PER 2009/2012 IBC, TABLE 1806.2,
- 11. TOTAL VOLUME OF CONCRETE REQUIRED FOR THIS FOUNDATION IS APPROXIMATELY 1.1 CU. YDS.

- PLANS PREPARED FOR:

- PLANS PREPARED BY: -

UC/SYNERGETIC

21 OXFORD RD MANSFIELD, MA 02048 1-508-337-7600 www.ucseng.com

FOR PERMITTING PURPOSES ONLY

LOCATION:

4 CHARLES ST BOSTON, MA 02108

MIDDLESEX COUNTY

- P.E. STAMP AREA: -

DRAWING NOTES: -

FACTORED BASE REACTIONS

MOMENT 30.9 ft-kips = SHEAR = 2.46 kips VERTICAL = 1.67 kips

	ORIGINAL PLAN: - SCALE:	AS NOTED	
	DRAWN BY:	JR	
	PLAN ORIG. DATE:	03/06/19	

- REVISIONS DATE

SPECIAL INSPECTIONS

PLACEMENT OF CONCRETE

3

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	SPECIAL INSPECTOR	fc = 4,000 PSI TYPE II CEMENT

SITE INFO:

LAT: 42.35507443° LONG: -71.06896999°

CRAN ID:

CRAN_RCTB_2HA4_100

EXTENET NODE ID:

NE-MA-BSTBSC01-00100

SITE ADDRESS:

4 CHARLES ST

SHEET TITLE: FOUNDATION DETAILS

- SHEET NUMBER: -

D-3

EXISTING POLE

SCALE: NOT TO SCALE

- PLANS PREPARED FOR: • GALTRONICS GQ2410-06621 ANTENNA 1. +45 2. -45 3. +45 4. -45 9. +45 10. -45 - PLANS PREPARED BY: -UC/SYNERGETIC nnovative Thinking. Er 21 OXFORD RD MANSFIELD, MA 02048 seng.com 1-508-337-7600 **FOR PERMITTING PURPOSES ONLY** - LOCATION: -5GHz 4 CHARLES ST PCS PCS 0.316 W 0.5 W 0.5 W BOSTON, MA 02108 LTE LTE LTE MIDDLESEX COUNTY 5GHz **PCS PCS** P.E. STAMP AREA: -0.5 W 0.5 W 0.316 W LTE LTE LTE 2203 2205 2203 WIRING DIAGRAM 2 SCALE: NOT TO SCALE INSTALL NEW OR EXISTING ANTENNA (S) GROUND ROD(S) OR NEW COPPER
CLAD STEEL GROUND ROD(S) - DRAWING NOTES: -MINIMUM 6' BETWEEN GROUND - TAP #6 GROUND DIRECTLY TO ANTENNA MOUNTING PLATE ERICSSON RADIOS -ORIGINAL PLAN: -SCALE: AS NOTED U-GUARD -DRAWN BY: PLAN ORIG. DATE: 03/06/19 - #6 AWG UC. MAIN GROUND LEAD MOUNTED DIRECTLY TO POLE W/C CLIPS EVERY 1'-0" LEAVE COIL BELOW SUPPLY SPACE FOR REVISIONS: -BY DATE DESCRIPTION SHROUD -INSTALL TO ANTENNA - COAXIAL GROUND KITS LOAD CENTER/DISCONNECET SITE INFO: -MAKE FINAL BOND TO JUMPER LAT: 42.35507443° #6 AWG CU. GROUND LEADS DIRECTLY TO MAIN GROUND BAR LONG: -71.06896999° CRAN ID: CRAN_RCTB_2HA4_100 EXTENET NODE ID: MAIN GROUND BAR MOUNTED -ON POLE NEAR EQUIPMENT NE-MA-BSTBSC01-00100 EXISTING GROUND ROD SITE ADDRESS: #6 BARE SOLID COPPER -OR NEW COPPER CLAD 4 CHARLES ST **CONTINUOUS RUN** STEEL GROUND ROD MIN. 3' FROM POLE SHEET TITLE: GROUNDING & WIRING DIAGRAMS 5/8" X 8' LONG COPPER CLAD MIN. 3' FROM POLE - SHEET NUMBER: GROUNDING DIAGRAM D-4 SCALE: NOT TO SCALE

1

1. GENERAL PRO 1.1 CONTRACT C 1. THE INTENTIO OF THESE DO TECHNIQUES, 2. ALL WORK SH. • RULES AND • IBC - INTERN • ACI - AMERII
TECHNIQUES, 2 ALL WORK SH RULES AND BC - INTER ACI - AMERI AISC - AMER 10306/19 - IN NEC - NATIO UL - UNDER NSPC - NATI BMC - INTER NPPA - NATI OSHA - OCC
ALL GOVERN THE MOST STRIN THE ENGINEE INCIDENTAL W
5. MINOR DEVIAT 6. GENERAL CIVI 7. THE GENERAL IS TO COMPLY 8. ALL GENERAL
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15. IT IS THE CON 16. THE CONTRA 17. THE CONTRA 18. THE CONTRA 19. EACH CONTRA OBTAINING AN 20. THE CONTRA DELAY CAUSE
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26. THE CONTRA 27. THE CONTRA 28. THE CONTRA 29. ALL MATERIA 30. ALL MATERIA CONTRACTOR
32. EXCEPT FOR 33. ALL EQUIPM 12. EXISTING CO 1. BEFORE BEGI CONTRACT. TI WORK SHALL
2. BY SUBMITTIN 3. THE CONTRAC L NO PLEA OF IN REQUIREMEN 2. IT IS UNDERST THE FACILITIE 3. THE LOCATION DAWAGES WH
3. THE LOCATION DAMAGES WH 4. SHOULD ANY I WITH INSUFFICE 5. THE CONTRAC DIMENSIONS I CONTRACTOR E TRACE BROW
INSTRUCTION 7. PRIOR TO STA TO THE SATIS
8. THE CONTRAC AT ALL TIMES 9. THE CONTRAC 10. NEW CONSTI
11. WHERE INDI REMOVED PRI 12. THE PLANS APPROXIMATE THE UNDERGE
13, IN THE EVEN UTILITY OWNE 14. ALL EXISTING USED BY THE 15, IF AN INACTI

2.THE CONTRACTOR SHALL COORDINATE ALL SPECIAL CONSIDERATIONS OF CONSTRUCTION SUCH AS NOISY OPERATION, INTERRUPTION OF ANY MECHANICAL AND/OR ELECTRICAL SERVICES, MATERIAL DELIVERES AND STORAGE, STAGING AREA, CRANE LIFTS, ETC. WITH THE PROPERTY OWNER.
OWNER'S REPRESENTATIVE, AND/OR LOCAL JURISDICTION PRIOR TO THE START OF WORK. HI OF THESE DOCUMENTS ITS DENOT THE COMPLETE INSTALLATION AND TO INCLUDE ALL LABOR AND MATERIALS RESCONDELY MEETERS OR NOT SPECIFICALLY INDICATED, FOR THE PROPER EXECUTION AND COMPLETION OF THE W CUMBENTS IS NOT TO DESCINATE THE MEANS AND BETHODS OF PROCEDURES OF THE WORK. THE CONTRACTORS SHALL SUPERVISE AND COORDINATE ALL YORK, USING THEIR PROFESSIONAL INVOKEDING AND SHALLS. THEY ARE SOLELY RESPO PROCEDURES, SECURICING AND COORDINATING OF ALL PORTIONS OF THE WORK LODGE THE CONTRACTOR. 3. CONTRACTOR SHALL COORDINATE WITH A PROPERTY OWNER REPRESENTATIVE, THE TEMPORARY REMOVAL OF FENCE, LANDSCAPING & ANY EXPECTED DAWAGE TO ACCESS ROAD OR ADJACENT REPAIR OF PROPERTY PRIOR TO COMMENCING THE WORK. VALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITION OF THE FOLLOWING CODES, STANDARDS, AND SUPPLE 4. THE CONTRACTOR SHALL COORDINATE WORK HOURS & STAGING AREAS WITH PROPERTY OWNER, PROPERTY OWNERS REPRESENTATIVE, AND OR LOCAL JURISDICTION. SPECIFICATIONS FOR EXCAVATION ACTIVITY WITHIN THE CITY OF BOSTON S. CONTRACTOR TO NOTIFY PROPERTY OWNER OF THE CONSTRUCTION START DATE WELL IN ADVANCE OF CONSTRUCTION. NATIONAL BUILDING CODE REMOVE STAINING OR REACTIVE MATERIALS FROM NEW AND EXISTING SURFACES IMMEDIATELY, REMOVE HAZARDOUS ACCUMULATIONS OF DEBRIS PROMPTLY, AT LEAST DAILY, CONFINE DUST PRODUCING OFERATIONS DURING CUITING, DRILLING, PAINTING AND FINSHING. THERE SHOULD BE NO OVER SPRAYING PAINT IN PRAKING AREA. VACUUM IMMEDIATELY AFTER COMPLETION. AN CONCRETE INSTITUTE 2. THERE SHALL NOT BE ANY CREATION OF MOSE CUTSOE THE GOOKAL HOURS MANDATED BY THE LOCAL JURISDICTION AND THE PROPERTY OWNER OR OWNERS REPRESENTATIVE, UNLESS OTHERWISE AGREED UPON WITH THE LOCAL JURISDICTION AND PROPERTY OWNER OR OWNERS REPRESENTATIVE, UNLESS OTHERWISE AGREED UPON WITH THE LOCAL JURISDICTION AND PROPERTY OWNER OR OWNERS REPRESENTATIVE, UNLESS OTHERWISE AGREED UPON WITH THE LOCAL JURISDICTION AND PROPERTY OWNERS OF OWNERS AGREED UPON WITH THE LOCAL JURISDICTION AND PROPERTY OWNERS OF OWNERS AGREED UPON WITH THE LOCAL JURISDICTION AND PROPERTY OWNERS AGREED UPON WITH THE LOCAL JURISDI ICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATIONS STITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS AL FLECTRICAL CODE DNAL ELECTRICAL CODE

TONAL ELECTRICAL SAFETY CODE

TWRITERS LABORATORIES

TONAL STANDARD PLUMBING CODE

TONAL STANDARD PLUMBING CODE

TONAL FIRE PROTECTION ASSOCIATION 3. NOISE AND EXISTING BUILDING STRUCTURE VERATION GENERATED BY THE CONSTRUCTION PROCEDURES, EQUIPMENT, TOOLS AND OPERATIONS ARE TO BE KEPT TO A PRACTICABLE MINIMUM. WHERE USE OF HIGH NOISE LEVEL EQUIPMENT IS UNAVOIDABLE, AND CAN BE HEARD, CONFINE TO HOURS MANDATED BY THE LOCAL JURISDICTION AND THE PROPERTY OWNER OR OWNERS REPRESENTATIVE. 4. THE CONTRACTOR IS TO PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 2-A OR 2 ABC WITHIN 15FT OF TRAVEL TO ALL PORTIONS OF THE CONSTRUCTION AREA 1. THE CONTRACTOR IS EXPONSIBLE THE EXHIBITION SHAPE AND GROBERS IN THAT AND LIFE OF TRACE TO ALL PORTIONS OF THE CONSTRUCTION AREA.

1. THE CONTRACTOR IS RESPONSIBLE OF MAINTAINING A MEAT AND GROBERS IN STREY AND AND GROBERS OF STREY ALL RIBBRISK, WASTE MATERIALS, LITTER AND ALL FOREIGN SUBSTANCES, REMOVE PETROCHEMICAL SPLIS, STANIS AND OTHER FOR PAKE GROUNDS TO A SMOOTH EYER-ITECTURE SUBSTANCES ARE MOVE PETROCHEMICAL SPLIS, STANIS AND OTHER FOR PAKE GROUNDS TO A SMOOTH EYER-ITECTURE, SUBSTANCES, SUBSTANCES, REMOVE PETROCHEMICAL SPLIS, STANIS AND FOREIGN SUBSTANCES, SUBSTANCES, SUBSTANCES, SUBSTANCES, REMOVE PETROCHEMICAL SPLIS, STANIS AND FOREIGN SUBSTANCES, SUBSTANCES, SUBSTANCES, SUBSTANCES, REMOVE PETROCHEMICAL SPLIS, STANIS AND FOREIGN SUBSTANCES, CONSTRUCTION OF SUBSTANCES, AND FOREIGN SUBSTANCES, SUBSTA JPATIONAL SAFETY AND HEALTH ADMINISTRATION LECOMMUNICATIONS INDUSTRY ASSOCIATION - 222-G STANDARI 3. THE TENANT'S INGRESS AND EGRESS OF THE SITE AND/OR BUILDING SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. ING STATE, COUNTY AND LOCAL CODES AND ORDINANCES S NECESSARY TO MAINTAIN POLLUTION CONTROL, COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION, AND PROMPTLY REMOVE ALL DEBRIS AND A GENT CODE WILL APPLY IN THE CASE OF DISCREPANCIES OR DIFFERENCES IN THE CODE REQUIREMENTS. INCENT CODE WILL PRPLY IN THE CASE OF DISCREPANCES OR DIFFERENCES IN THE CODE REQUIREMENTS.

REPRING PRAYINGS SOMEY PRENIPARE, AREASY WIREER WOOK BUTS ES EXCOMESTATED BE URDER THIS CONTRACT, INCIDENTAL WORK MAY ALSO BE NECESSARY IN AREAS NOT SHOWN ON THE ENGINEERING DRAWINGS DUE TO CHANGES AFFECTING EXISTING ELECTRICAL OR OTHER SYSTEMS. SUCH MORK IS ALSO A PART OF THIS CONTRACT. INSPECT THOSE AREAS AND ASCERTAN WHAT IS NEEDED TO DO THAT WORK IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.

MAYE DESIRED MEASUREMENTS BY MEASURING DRAWINGS. ALL SHOWN IDMENSIONS TAKE PRECEDENCE OVER SCALING.

ILLOWS FROM THE DESIGN LATOUT ARE ANTICIPATED AND SHALL BE CONS DEFENDED A PART OF THE WORK MONEYEER, NO CHANGE THAT ALTERS THE OBJECTIVE AND INTENT OF THE DESIGN WILL BE MADE OR PERMITTED BY THE OWNER WITHOUT A CHANGE ORDER.

ALL, STRUCTURAL, ELECTRICAL, AND ANTIENDA DRAWINGS ARE INTERRELATED. IN PERFORMANCE OF THE WORK MONEYEER, EACH CONTRACTOR MUST REFER TO ALL DRAWINGS. ALL COORDINATION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

LINDIES CONTRACTOR OF THE PLANS AND SECREPACTIONS, AND ARE TO BE COMPLED WITH IN ALL RESPECTS. THE MOST RESTRICTIVE NOTES SPECIFIED ARE TO TAKE PRECEDENCE. CERTAIN SECTIONS OF THE GENERAL MOTES MAY NOT APPLY TO EVERY SITE. THE CONTRACTOR Y WITH ALL APPLICABLE GENERAL MOTES IN ALL RESPECTS. S SOLELY RESPONSIBLE FOR SHORMS, BRACING, PROVIDING LATERAL SUPPORT, AND FOR MAINTAINING THE INTEGRITY OF THE EXISTING STRUCTURE DURING ALL PHASES OF THE DEMOLITION AND CONSTRUCTION AND SHALL PROVIDE, IF REQUIRED, SIGNED AND SEALED SCISIES FOR SHEEP SHOWN SUPPORT NOTED FOR DEMOLITION. 2. ANY DAMAGE DUE TO DEMOLITION, OR OTHER CONSTRUCTION ACTIVITIES, DONE TO ANY EXISTING SURFACE TO REMAIN SHALL BE REPAIRED TO MATCH EXISTING AT NO ADDITIONAL COST TO THE OWNER. 1.4 <u>but involved in the structures</u>

1.00 NOT DRILL OR CUT EXISTING FLOOR JOISTS, BEAMS, COLUMNS OR OTHER STRUCTURAL ELEMENTS UNLESS SPECIFICALLY INDICATED. DRILL SLABS WHERE APPROVED. CORE DRILL CROULAR OPENINGS THROUGH CONCRETE SLAB, LINE DRILL FOR RECTAINGUAR OPENINGS, MAKE OPENINGS OF PROPER SIZE FOR COMOUNT, DUCTS, PIPES AND OTHER TEMS PASSING THROUGH OPENINGS, MAKE ALL NEW HOLES OR OPENINGS WHERE HAVE OF A RECOVERED BY LOCAL BUILDING COMES & ORDINANCES.

2. YMERIC CUTTING OF EXISTING SURFACES OR REMOVAL OF EXISTING FINISHES IS REQUIRED TO PERFORM THE WORK UNDER THIS CONTRACT AND A NEW FINISH IS NOT INDICATED, FILL RESULTING OPENINGS AND PATCH THE SURFACE AFTER DOING THE WORK AND FINISH TO MATCH ADJACENT EXISTING SURFACES. IOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENT TO BE USED IN CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN OTHERWISE THE STREET OF THE STREET ASSESSES OF THE WORKING DATE TO STREET OF THE SURVEY DRAWNS AND SURVEYORS.

THE STREET OR THE STREET ASSESSES OF THE WORKING DRAWNS OF THE TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE FLOT OF THE SURVEY DRAWNS AND SURVEYORS.

THE SITE FOR THE STREETS ASSESSESSES OF THE THE WORKING DRAWNS AND THE TRUE NORTH OR ENTANT ON THE THE STREET OF THE STREET OF THE STREET OF THE WORKING DRAWNS AND THE TRUE NORTH OR ENTANT ON THE THE STREET OF THE WORKING AND SHALL SOUR SOLE SERVEY OF THE WORKING DRAWNS AND THE TRUE NORTH OR ENTANT ON SERVEY OR STREET OF THE WORKING DRAWNS AND THE TRUE NORTH OR ENTANT ON THE TRUE NORTH OR ENTANT ON THE STREET OF THE WORKING DRAWNS AND THE TRUE NORTH OR ENTANT ON THE STREET OF THE WORKING DRAWNS AND THE TRUE NORTH OR ENTANT ON THE STREET OF THE WORKING DRAWNS AND THE TRUE NORTH OR ENTANT ON THE STREET OF THE WORKING DRAWNS AND THE TRUE NORTH OR ENTANT ON THE STREET OF THE WORKING DRAWNS AND THE TRUE NORTH OR ENTANT ON THE STREET OF THE WORKING DRAWNS AND THE TRUE NORTH OR ENTANT ON THE STREET OF THE WORKING DRAWNS AND THE TRUE NORTH OR ENTANT ON THE STREET OF THE WORKING DRAWNS AND THE TRUE NORTH OR ENTANT ON THE STREET OF THE WORKING DRAWNS AND THE TRUE NORTH OR ENTANT ON THE STREET OF THE WORKING DRAWNS AND THE TRUE NORTH OR ENTANT ON THE STREET OF THE WORKING DRAWNS AND THE TRUE NORTH OR THE WORKING DRAWNS AND T EXCEPT IN SEAS WHERE NO WORK LAIDER THIS CONTRACT IS REQUIRED, ENCLOSE EXISTING AND NEW CONDUITS, DUCTS, PPES, AND SIMILAR ITEMS IN FURRING WHERE SUCH ITEMS PASS THROUGH FINISHED SPACES WHETHER OR HOT FURRIAN'S IN INDICATED ACTOR SHALL USE ADEQUATE HUMBERS OF SKALLED WORKMEN WHIO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS, AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PER ACTOR WILL BE REQUIRED TO ASSUVE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. THIS REQUIRED TO ASSUVE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. THIS REQUIRED TO A SALVED TO A LEGISLA DE CONSTRUCTION THE COURSE OF THE COURSE OF THE CONTROL AND EXPENDED TO A LEGISLA DE CONSTRUCTION THE THE COURSE OF TH 3. SITE WORK LEARNING OF TREES AND VEGETATION ON THE SITE SHOULD BE HELD TO A MINIMUM, ONLY TREES NECESSARY FOR THE CONSTRUCTION OF THE FACILITY SHALL BE REMOVED. ANY DAVAGES TO PROPERTY OUTSIDE THE CONSTRUCTION UNIT SHALL BE REPARED OR REPLACED AT THE CONTRACTORS EXPENSE. 3.1 CLEARING AND GRUBBING TINGS SHALL TAKE PLACE EVERY MORNING BEFORE THE WORK DAY BEGINS ACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR THE SECURITY OF THE SITE UNTIL COMPLETION OF THE CONSTRUCTION. - TRACTOR SHALL PROTECT EXISTING TRESS, VEGETATION, LANDSCAPING, MATERIALS AND SITE IMPROVEMENTS NOT SCHEDULED FOR CLEARING OR REMOVAL WHICH MIGHT BE DAMAGED BY CONSTRUCTION ACTIVITIES. TRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS AND SPECIFICATIONS AND COORDINATE THEIR WORK WITH THE WORK OF ALL OTHER CONTRACTOR'S TO ENSURE THAT WORK PROV 3. TRIM EXISTING TREES AND VEGETATION AS RECOMMENDED BY THE ARBORIST FOR PROTECTION DURING CONSTRUCTION.
4. CLEAR AND GRUB STUMPS, VEGETATION, DEBRIS, RUBBISH, DESIGNATED TREES REQUIRED FOR THE SITE IMPROVEMENT. CTOR IS INSTRUCTED TO COOPERATE WITH ANY AND ALL OTHER CONTRACTORS PERFORMING WORK ON THIS JOBSITE DURING THE PERFORMANCE OF THIS CONTRACT TO AVOID DELAYS IN THE SCHEDULE OR OTHER WORK PERFORMED IN THE VICINITY OF THE CONSTRUCTION AREA CTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE TO THE PROPERTY OWNER WELL IN ADVANCE OF THE STARTING DATE OF THE WORK. THE OWNER SHALL ALSO BE NOTIFIED OF A CHANGE IN THE CONSTRUCTION SCHEDULE. TOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS 5. STRIP AND STOCKPILE TOPSOIL. INLING SHIPS, LEFT OF PROVIDING AMPLE PORTION IN THE LOCAL JURISDICTION AS THE CONTRACTOR OF RECORD, AND SHALL PROVIDE THE JURISDICTION WITH ALL PROOF REQUIRED TO OPERATE AS CONTRACTOR IN THIS JURISDICTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORD FROM THE AUGUSTED FROM THE SHAPE OF THE 6. PROTECT TEMPORARILY ADJACENT PROPERTY, STRUCTURES, BENCHMARKS, AND MONUMENTS. 7. MARX DESIGNATED TREES AND VEGETATION DURING CONSTRUCTION ACTIVITIES 8. PROVIDE TEMPORARY EROSION CONTROL, SILTATION CONTROL AND DUST CONTROL. 9. REMOVE AND LEGALLY DISPOSE OF CLEARED MATERIALS IE APPROVED PLANS SHALL BE KEPT IN A PLACE SPECIFIED BY THE GOVERNING AGENCY, AND BY LAW BE AVAILABLE FOR INSPECTION AT ALL TIMES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL CONSTRUCTION SETS REFLECT THE SAME INFORSHALL ALSO MAINTAIN ONE SET OF PLANS AT THE SITE FOR PURPOSE OF DOCUMENTING ALL AS BULTS, CHANGES, REVISIONS, ADDENDA, OR CHANGE ORDERS. AL EXCENSION AND EXCENT.

A. LA SUTRAILE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE B.D. EXCESS TOP SOL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF-SITE AT A LOCATION APPROVED BY GOVERNING AGENCIES PROR TA
2. BROKEN PAYEMENT, STOKES GREATER THAN TIRREE DISPOSES ON BOWETER, ROOTS AND OTHER DEBRIS SHALL NOT BE USED IN BACKFELL. NO MATERIAL SHALL BE READY FROM THE PUBLIC RIGHT-OF-WAY DIXCE WORK HAS BEEN COVPLETED.
3. EXCHANTED MATERIAL SHALL BE REMOVED FOR THE MAY BEEN BOWN THAN THE REFIRENCE WITH AND STRUCKED.
4. PRIOR TO BACKFILING, THE CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION IF REQUIRED AND ALLOW ADEQUATE THAIF FOR INSPECTION. TOR IS TO PROVIDE THE DWINER WITH A FIRE SET OF RECORD DRAWINGS WITH ACTUAL DIMENSIONS, ROUTING AND CIRCUITS UPON COMPLETION OF CONSTRUCTION CTOR IS TO CONTACT BOTH LOCAL POWER AND TELEPHONE UTLITY COMPANES BEFORE CONSTRUCTION BEGINS TO ORDER SERVICE, OBTAIN AND PAY ALL FEES ASSOCIATED WITH THE CONSTRUCTION, SCHEDULE INSTALLATION OF SERVICE, COORDINATE CONDUIT RUNTERWINATION POINTS BY FIELD MATERIALS THAT MAY BE SUPPLIED BY THE UTLITY COMPANES AND INSTALLED BY THE CONTRACTORS. 5. BACKFILLING SHALL OCCUR ON THE SAME DAY AS THE EXCAVATION. IF THIS IS NOT POSSIBLE DUE TO THE COMPLEX NATURE OF THE WORK, EMERGENCY, OR UN-PREVENTIBLE CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LOCAL JURISDICTION(S) AND TAKE A MEASURES TO PROTECT PUBLIC SAFETY AND INFRASTRUCTURE UNTIL WORK COMMENCES. ACTOR SHALL BE RESPONS BIG FOR ALL TEMPORARY BRACHIS, SHORING, TIES, FORM WORK AND THE PROTECTION OF ALL WORK DURING CONSTRUCTION TO AVOID DAMAGE, COLLAPSE, DISTORTION, MISALIGNMENT AND ALTERATION OF EXISTING WARRANTIES CTOR IS RESPONSIBLE TO PROVIDE TEMPORARY POWER, WATER AND TOLLET FACILITIES AS REQUIRED BY THE PROPERTY OWNER OR GOVERNING AGENCY EXCAVATION BE LEST INVATTENDED OVERNIGHT. UNLESS PROPERLY RARRICADED IN A MANNER MEETING WITH APPROVAL FROM LOCAL JURISDICTIONISS CTOR SHALL MONITOR ALL EXISTING STRUCTURES DURING CONSTRUCTION. TOO SHALL COORDINATE THE EINAL DIMENSIONS OF ANY TYPE OF STRUCTURAL LAYOUT WITH THE FOOTPRINT OF THE NEW FOURMENT REFORE ORDERING ANY MATERIALS. ICTOR SHALL COORDINATE THE FINAL DIMENSIONS OF MAY TYPE OF STRUCTURAL LAYOUT WITH THE FOUTHWAND IN THE NEW ROUPWINELE BEFORE UDDERSON, AND THE LEMBARS.

IS AND ECQUIPMENT SHALL BE REWEN AND IN SEC COLORIDATION PROSED TO INSTALLATION, AND SHALL BE OF THE SEST CARRIED AND OF THE SAME MANUFACTURER TRIGOLOGY. FOR EACH CLASS, GROUP, OR ECOUPMENT.

IS MUST BE STORED ON A LEVEL AND DRY LOCATION AND IN A MANNER THAT WILL NOT OBSTRUCT THE FLOW OF OTHER YOR RELATED OR NOT RELATED TO THIS CONTRACT, ANY ECUIPMENT OR MATERIAL, STORAGE MUST WEET ALL RECOMMENDATIONS OF THE MANUFACTURER, THE

ISHALL RESPECT THERMED AND FOUTHWEET PRIOR TO FOR ALL MISTALLATION DAWNEED ECUIPMENT OR MATERIALS SHALL NOT FOR INSTALLATION AND AND ADMINISTRATION. SIEVE DESIGNATION PERCENT PASSING ALS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS. WARNING SIGNS SUCH AS 'NO TRESPASSING' AND SIGNS THAT STATE OWNERSHIP AND EMERGENCY TELEPHONE NUMBERS, NO SIGN SHALL BE LOCATED ON THE PROPERTY. EXISTING SIGNS WILL BE MAINTAINED AND PROTECTED NT SHALL BE INSTALLED LEVEL AND PLUMB. INNING WORK AT THE SHE. THE CONTRACTOR SHALL INSPECT THE EXISTING PROPERTY OR BULDING AND DETERMINE THE EXISTING FROME THE SHE 8. THE USE OF CONTROLLED DENSITY FILL (CDF) MAY BE MANDATED BY THE OWNERS REPRESENTATIVE, GEOTECHNICAL REPORT RECOMMENDATION, OR BY THE LOCAL JURISDICTION. IF CON-REPRESENTATIVE, GEOTECHNICAL REPORT RECOMMENDATIONS, OR THE REQUIREMENTS OF THE LOCAL JURISDICTION, WHICHEVER IS MORE STRINGENT. THE CDF INGREDIENTS SHALL COMPLY WITH THE FOLLOWING DOD BY THE OWNER THAT THE CONTRACTOR IN SUBMITTING HIS BID, WARRANTS THAT HE HAS CAREFULLY EXAMINED THE SITE OF THE PROJECT TO BECOME ACQUANTED WITH THE SURROUNDING PROPERTIES, THE MEANS OF APPROACH TO THE SITE, THE CONDITIONS OF THE ACTUAL JOB SITE, FOR DELIVERING, STORING, FACING, HANDLING, AND THE REMOVAL OF MATERIALS AND EQUIPMENT AND ANY AND ALL DIFFICULTIES THAT MAY BE ENCOUNTERED DURING THE EXECUTION OF ALL THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CDF MUST MEET THE FOLLOWING REQUIREMENTS IS OF EASTING UNDERGROUND UTLITES HAVE THE PLOYED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR BEFORE STREAM WAY BE ENCOUNTERED DURING THE EXECUTION OF ALL THE WORK IN ACCCORDANCE WITH THE CONTRACTOR STREAM AND ALL CHARGE OF HAVING ALL UNDERGROUND UTLITES LOCATED WITH THE LUMIS OF CONSTRUCTIONS AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ALL CHARGE OF THE CONTRACTOR FALLOW TO LOCATE ALL UNDERGROUND OF THE WORK IN ACCCORDANCE AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ALL CHARGE OF THE CONTRACTOR FULL AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ALL CHARGE OF THE CONTRACTOR FULL AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ALL CHARGE OF THE CONTRACTOR FULL AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ALL CHARGE OF THE CONTRACTOR FULL AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ALL CHARGE OF THE CONTRACTOR FULL AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ALL CHARGE OF THE CONTRACTOR FULL AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ALL CHARGE OF THE CONTRACTOR FULL AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ALL CHARGE OF THE CONTRACTOR FULL AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ALL CHARGE OF THE CONTRACTOR FULL AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ALL CHARGE OF THE CONTRACTOR FULL AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ALL CHARGE OF THE CONTRACTOR FULL AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ALL CHARGE OF THE CONTRACTOR FULL AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ALL CHARGE OF THE CONTRACTOR FULL AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ALL CHARGE OF THE CONTRACTOR FULL AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ALL CHARGE OF THE CONTRACTOR FULL AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ALL CHARGE OF THE CONTRACTOR FULL AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ALL CHARGE OF THE CONTRACTOR FULL AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ALL CHARGE OF THE CONTRACTOR FULL AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ALL CHARGE OF THE CONTRACTOR FULL FULL AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ACCESTS FULL RESPONSIBILITY FOR ANY AND ACCESTS FULL RESPONSIBILITY FOR ANY AND COMPRESSIVE STRENGTH AT 28 DAYS: 30-80 PSI (210-55 COMPRESSIVE STRENGTH AT 90 DAYS: 100 PSI MAX. (700 kPa MAX.) 10-12 INCHES (250-300 MM) TOR AND EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR YERIPICATION OF ALL MEASUREMENTS AT THE SITE BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK. NO EXTRA CHARGE OR COMPENSATION SHALL BE ALLOWED DUE TO DEFERENCES BETWEEN ACTUAL D.MENSIONS AND DIDCATED ON THE CONSTRUCTION DRAWNOS, ANY DISCREPANCY IN DIMENSIONS YINCH MAY BE FOUND SHALL BE SUBMITTED TO THE ENGINEER AND THE OWNER REPRESENTATIVE FOR CONSTRUCTION DRAWNOS, ANY DISCREPANCY IN DIMENSIONS YINCH MAY BE FOUND SHALL BE SUBMITTED TO THE ENGINEER AND THE OWNER REPRESENTATIVE FOR CONSTRUCTION BEFORE THE CONTRACTOR PROCEEDS WITH THE WORK IN THE AFFECTED AREAS. THE SWORK SHALL NOT WAY FROM THE LEVAL WITH THE OWNER AFFECTED AREAS. THE SWORK SHALL NOT WAY FROM THE LEVAL WITH THE OWNER AFFECTED AREAS. THE SWORK SHALL NOT SHALL SH 9. THE PROJECT INCLUDES: EXCAVATION TRENCHING FILLING COMPACTING AND GRADING FOR STRUCTURES ALL MATERIALS FOR SUB-BASE, DRAINAGE FILL, BACK FILL, GRAVEL FOR SLABS, PAVEMENT AND IMPROVEMENTS. CT HAVES, MANAGURER MAYES, CATALOG INVERERS, MID INDICATIONS OF EXISTING PRODUCT TYPES BHOWN ON THE DRAWNING ARE BELIEVED TO BE ACCURATE. IF THEY ARE DISCOVERED TO BE PACCURATE, NOTIFY OWNERS/EXISING PRODUCT TYPES BHOWN WESTING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT ALL AREAS FROM DAWAGES WHICH MAY OCCUR DURING CONSTRUCTION, ANY DAWAGES TO NEW OR EXISTING SURFACES, STRUCTURES, PROPERTY, SHRUBBERY, TREES, OR EQUIPMENT, SHALL BE IMMEDIATELY REPAIRED OR REPLACED FACTION OF THE PROPERTY OWNER. THE CONTRACTOR SHALL BEAR THE COST OF REPLACING ANY DAWAGED AREAS.

TOR SHALL TAME ALL PRECAUTIONARY MEASURES AND EFFORTS TO PROTECT THE STRUCTURAL INTEGRITY OF EXISTING STRUCTURES AND PROPERTIES. WHEN YORK IS PERFORMED IN THE VICINITY OF EXISTING STRUCTURES, THE STRUCTURAL INTEGRITY AND STABLITY SHALL BE MONITORED DURING EVERY PHASE OF THE CONSTRUCTION. SUPPLY OF ADMINISTRATE AND PROPERTY OF A PERSON RECOVERY OF A PREVIOUS PROPERTY OF A P TOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION, ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE OWNER OR OWNERS REPRESENTATIVE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER SUPERVISION OF A LICENSED LAND SURVEYOR. LICTION ADDRESS OF DESIGNATION THAT ANY ADDRESS OF THE CONTRACTORS SUPERAGE UNDER SUPERAGEON OF A LICENSED LIAD SURVEYOR.

LICTION ADDRESS OF DESIGNATION OF A LICENSED LIAD SURVEYOR.

LICTION ADDRESS OF DESIGNATION OF A LICENSED LIAD SURVEYOR.

LICTION ON THE PLAIS, THE CONTRACTOR SHALL PART ALL NEW ANTENNAS, SHROUDS, AND RELATED MONATING HARDWARE TO WATCH THE EXISTING ADJACENT SURFACES. THE CONTRACTOR SHALL NOT USE A METAL, BASED PART FOR ANTENNAS, ALL SURFACE CONTANNATION SHALL BE
REFORMED TO SURVEY SURFACES. WHEN BACKFILL CANNOT EFFECTIVELY BE COMPACTED TO 55% MAXIMUM DENSITY DUE TO MULTIPLE CONDUITS, DUCTS OR PIPES, CONTROLLED DENSITY FILL (COF) MAY BE REQUIRED. 8. THE COMPACTING UNDER LAWNS OR UNPAVED AREAS SHALL BE 85% MAXIMUM DENSITY, ASTM 01557. 1. GRAVEL SHALL BE PLACED UP TO THREE (3) INCHES BELOW GRADE OF EXISTING ASPHALT, TO ALLOW ROOM FOR THREE (3) INCHES OF COMPACTED HWA TEMPORARY SURFACE. 2. BRICK SIDEWALKS SHALL BE PLACED ON A BED OF SIX (6) INCHES OF COMPACTED GRAVEL ALL DYNING RELEVANCE STRUCTURES, ABOVE GROUND STRUCTURES, AND OR UTILITIES BELIEVED TO EXIST IN THE WORNING AREA. THE EXACT LOCATIONS MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN LOCATION OF SUCH PPELINES, SUBSURFACE STRUCTURES, AND OR UTILITIES IN THE AREA MAY BE SHOWN OR MAY NOT BE SHOWN, BUT IS SHALL BET THE CONTRACTOR'S RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTION ANY WORK BEFORE DIGGING, DRILLING OR BLASTING, CALL OWNS SERVICES ARE IT MAYBER WELL BUT AND AVAILAGE OF THE COMMENDATION OF POWER. THE PROCED OF ADVANCE OF THE BLESS THAT HE MERITARY RECOVERED BY LAW, CURB STONES MUST BE PLACED ON A BED OF SIX (6) INCHES OF CRUSHED STONE. THE COMPACTED LAYERS SHALL NOT EXCEED 8 INCHES. 9. THE COMPACTED LIVERS SHALL NOT EXCEDE IS INCHES.
10. ARASA THAT ON TOW TEET ASTED 1957 REQUIREMENTS BUST BE RECOMPACTED AT THE CONTRACTOR'S EXPENSE.
11. ALL TRENCH EXCANDIOUS AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH OSHA REGULATIONS FOR CONSTRUCTION.
12. WHERE UNSTRUE SOLL CONDITIONED SUST, LIVE THE GRUBBED AREAS WITH GEOTEXTILE FABRIC (MIRAFL SOX OR APPROVED EQUIVALENT) PROR TO FLACING FLL OR BASE MATERIAL.
13. THE USE OF EXPLOSIVES IS PROHBITED ON SITE. T THAT THE CONTRACTOR DAMAGES ANY EXISTING WATER, SEYER, DRANAGE, ELECTRICAL, CAS, TRAFFIC SYSTEM, COMMUNICATIONS OR OTHER UTILITY STRUCTURES, DUCTS, PIPES, OR OTHER FACILITIES, THE CONTRACTOR SHALL HOTIFY THE RELEVANT THE LOCAL JURISDICTION (S). A COTINE SEVERY, WATER, CAS - ELECTRIC, AND OTHER UTLITIES WINERE ENCOUNTERED IN THE WORK SHALL BE PROTECTED AT A LINES. WHERE RECOVERED FOR THE PROPER EXECUTION OF THE WORK, THEY SHALL BE RELOCATED AS DIRECTED BY ENGINEERS, EXTREME CAUTION SHOULD BE CONTINUED. THE WORK THE WORK SHALL BE RELOCATED BY ENGINEERS. THE CONTINUED BY ENGINEERS AND THE WORK SHALL BE RELOCATED BY ENGINEERS. THE WORK SHALL BE RELOCATED BY ENGINEERS. USED BY THE CONTROL OF THE RECENTANCE, SEYER, WATER, OR ANY OTHER UTLITY ARE ENCOUNTERED AND INTERSESS WITH THE EXECUTION OF THE WORK, THE CONTRACTOR IS TO REMOVE THE UTLITY AND CAP, PLUG, OR OTHERWISE PROPERLY TERMINATE THE UTLITY AT A POINT WHERE IT NO LONGER CONFLICTS WITH THE CONTRACTOR IS TO REMOVE THE UTLITY AND CAP, PLUG, OR OTHERWISE PROPERLY TERMINATE THE UTLITY AT A POINT WHERE IT NO LONGER CONFLICTS WITH THE WORK THE UTLITY AND CAP, PLUG, OR OTHERWISE PROPERLY TERMINATE THE UTLITY AT A POINT WHERE IT NO LONGER CONFLICTS WITH THE WORK THE UTLITY AND CAP, PLUG, OR OTHERWISE PROPERLY TERMINATE THE UTLITY AT A POINT WHERE IT NO LONGER CONFLICTS WITH THE WORK THE UTLITY AND CAP, PLUG, OR OTHERWISE PROPERLY TERMINATE THE UTLITY AT A POINT WHERE IT NO LONGER CONFLICTS WITH THE WORK THE UTLITY AND CAP, PLUG, OR OTHERWISE PROPERLY TERMINATE THE UTLITY AT A POINT WHERE IT NO LONGER CONFLICTS WITH THE WORK THE UTLITY AND CAP, PLUG, OR OTHERWISE PROPERLY TERMINATE THE UTLITY AT A POINT WHERE IT NO LONGER CONFLICTS WITH THE WORK THE UTLITY AND CAP, PLUG, OR OTHERWISE PROPERLY TERMINATE THE UTLITY AT A POINT WHERE IT NO LONGER CONFLICTS WITH THE WORK THE UTLITY AND CAP, PLUG, OR OTHERWISE PROPERLY TERMINATE THE UTLITY AT A POINT WHERE IT NO LONGER CONFLICTS WITH THE WORK THE UTLITY AND CAP, PLUG, OR OTHERWISE PROPERLY TERMINATE THE UTLITY AND CAP, PLUG, OR OTHERWISE PROPERLY THE UTLITY AND CAP, PLUG, O 13. THE USE OF EXPLOSIVES IS PROMEITED ON SIFE.

14. ALL EXCAVATION ON YHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIAL HORZONTAL, UNDISTURBED AND BE FREE FROM LOOSE MATERIAL AND EXCESS GROUND WATER DEWATERING FOR EXCESS GROUND WATER SHALL BE PROVIDED IF REQUIRED.

15. ANY EXCAVATION OVER THE REQUIRED DEPTH SHALL BE FILLED WITH OTHER MECHANICALLY COMPACTED GRANMAR MATERIAL, OR CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION, CRUSHED STONE MAY BE USED TO STRAILE THE BOTTOM OF THE EXCAVAL USED, SHALL NOT BE USED AS COMPANIES CONCRETE THOCKESS.

16. BACK FILL MALL USEA PROVIDED WATERIALS CONSISTENCTION SELDOY GRADE AND BEFORE BACKFILLING, ALL EXCAVATIONS SHALL BE CLEAN OF UNSUITABLE MATERIALS SUCH AS VEGETATION, WOOD, DEBRIS, TRASH, AND ANY FOREIGN MATERIAL. 16. ALL UTILITY WORK INVOLVING CONNECTIONS TO EXISTING SYSTEMS SHALL BE COORDINATED WITH THE OWNER OR OWNERS REPRESENTATIVE AND THE UTILITY OWNER BEFORE EACH AND EVERY CONNECTION TO EXISTING SYSTEMS IS MADE. MAINTAIN FLOW FOR ALL EXISTING UTILITIES. A THE CONTRACTOR SHALL RESTORE ALL PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO AT LEAST AS GOOD CONDITION AS BEFORE DISTURBED AS DETERMINED BY THE OWNER OR OWNERS REPRESENTATIVE. 18. THE CONTRACTOR SHALL RESTORE ALL PUELLO OR PRIVATE PROPERTY DAVAGED OR REMOVED TO A LILEAT AS GOOD CONSIDION AS SEPORE DISTORMS. SEPORE DISTORMS THE OWNER OR OWNER'S REPRESENTATIVE.

19. FROITED TENEDED SUPPLACES INCLUDION, JAURS AND HOURSO OF OPERANDS USED AS PASSAGEMANTS PROQUENTIAN THROUGHNING HOURSEAS WILL PASS.

20. PROVIDE PROTECTION FOR EQUIPMENT ROOM SUPPLACES FROM TO ALLOWING EQUIPMENT OR MATERIALS TO BE MOVED OVER, AROUND, OR WITHIN SUPPLACES.

21. KEEP PIRASSED SUPPLACES LICEAL, UNFANSED AND SUPPLACES FROM THIS OF THE OWNER OR OWNERS FEREIGNESS.

22. IN THE EVENT OF DAVAGE TO AN EXISTING STRUCTURE, THE CONTRACTOR SHALL NOTHY THE OWNER OR OWNERS REPRESENTED THE OWNER AND THE OWNERS. THE OWNER AND THE OWNER OR OWNERS FEREIGNESS FROM THE OWNER OR OWNERS.

20. IN THE EVENT OF DAVAGE TO AN EXISTING STRUCTURE, THE CONTRACTOR SHALL NOTHY THE OWNER OR OWNERS. THE OWNERS REPRESENTED FOR THIS CONTRACTOR SELECTED FOR THIS CONTRACT. 3.3 DRAINAGE THE CONTRACTOR SHALL PROTECT ALL STORM DRAIN AND SEVER APPURTENANCES ADJACENT TO AND WITHIN THE CONSTRUCTION SITE. THE PROTECTION USED SHALL PREVENT THE DISCHARGE OF POLLUTANTS, SED MENT, AND/OR DEB SYSTEM. CONSTRUCTION DEBRIS SUCH AS DIRT TRASH ROCK SERMENT SAND AND OTHER POLITIANTS SHALL NOT BE ALLOWED TO ACCUMULATE IN THE STORM DRAIN OR SEVER CONVEYANCE SYSTEMS 3. THE CONTRACTOR IS RESPONSIBLE FOR MANTANING POSITIVE DRAINAGE AWAY FROM BUILDING OR EQUIPMENT ON THE SITE AT ALL TIMES. SILT AND EROSION CONTROL SHALL BE MAINTANED ON THE DOWNSTREAM SIDE OF THE SITE AT ALL TIMES. STORM WATER FLOW SHALL NOT BE IMPEDED ANY DAVAGE TO ADJACENT PROPERTIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. 20 ALI CITS ON BRICK SINEWAYS, SHALL BE MADE FROM THE MEARST JOINT OR SCORE LIVE ON ONE SIDE OF THE EXCAVATION. TO THE NEARSST JOINT OR SCORE LIVE ON THE OTHER SIDE OF THE EXCAVATION. 23 ALL CUTS ON BRICK SIDEWARDS SHALL BE LAWDER FROM THE REMOVES JOINT ON SCORE LIFE CHANNING, ID THE REMOVES JOINT ON SCORE LIFE CHANNING, ID THE REMOVES JOINT ON SCORE LIFE CHANNING, IN THE WARRING THE PROPERTY OF THE EXCHANNING THE REMOVED BY THE CONTRACTION FROM TO ANY WORK BEING PERFORMED, AND SAFELY STORED. SAFE STORAGE MAY INCLUDE STORAGE BY THE CONTRACTION OR WITH ANOTHER FACILITY AS DIRECTED BY THE LOCAL JURISDICTION, BY INCLUDE STORAGE BY THE CONTRACTION OR WITH ANOTHER FACILITY AS DIRECTED BY THE LOCAL JURISDICTION, BY INCLUDE STORAGE BY THE CONTRACTION OR WITH ANOTHER FACILITY AS DIRECTED BY THE LOCAL JURISDICTION, BY INCLUDE STORAGE BY THE CONTRACTION OR WITH ANOTHER FACILITY AS DIRECTED BY THE LOCAL JURISDICTION SHALL DEPOYED BY THE CONTRACTION OR WITH ANOTHER FACILITY AS DIRECTED BY THE LOCAL JURISDICTION SHALL DEPOYED BY THE CONTRACTION OR WITH ANOTHER FACILITY AS DIRECTED BY THE LOCAL JURISDICTION SHALL DEPOYED BY THE CONTRACTION OR WITH ANOTHER FACILITY AS DIRECTED BY THE LOCAL JURISDICTION SHALL DEPOYED BY THE CONTRACTION OR WITH ANOTHER FACILITY AS DIRECTED BY THE LOCAL JURISDICTION SHALL DEPOYED BY THE CONTRACTION OF THE LOCAL JURISDICTION SHALL DEPOYED BY THE CONTRACTION OR WITH ANOTHER FACILITY AS DIRECTED BY THE LOCAL JURISDICTION SHALL DEPOYED BY THE CONTRACTION OR WITH ANOTHER FACILITY AS DIRECTED BY THE LOCAL JURISDICTION SHALL DEPOYED BY THE CONTRACTION OR WITH ANOTHER FACILITY AS DIRECTED BY THE LOCAL JURISDICTION SHALL DEPOYED BY THE CONTRACTION OR WITH ANOTHER FACILITY AS DIRECTED BY THE CONTRACTION OR WITH ANOTHER BY THE LOCAL JURISDICTION SHALL DEPOYED BY THE CONTRACTION OR WITH ANOTHER BY THE LOCAL JURISDICTION OR WITH ANOTHER BY THE LOCAL JURISDICT 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK. 5. ANY DRAIN, FIELD TILE, OR DRAINAGE STRUCTURE ENCOUNTERED DURING CONSTRUCTION SHALL BE RETURNED TO ITS ORIGINAL OR BETTER CONDITIONS AFTER CONSTRUCTION AND BE NOTED ON THE RECORD DOCUMENTS 6. ANY PAVEMENT OR LANE MARKINGS THAT ARE DISRUPTED BY THE WORK SHALL BE RESTORED ACCORDING TO LOCAL JURISDICTION REQUIREMENTS.
7. ANY TRAFFIC LOOPS OR OTHER SIGNAL SYSTEMS EMBEDGED IN THE PUBLIC RIGHT-OF-WAY DISRUPTED BY THE WORK SHALL BE RESTORED ACCORDING TO LOCAL JURISDICTION REQUIREMENTS. 8. ADDITIONAL TIME REQUIRED TO SECURE REPLACEMENT AND MAKE REPAIRS WILL NOT BE CONSIDERED BY THE OWNER TO JUSTIFY AN EXTENSION IN THE CONTRACT TIME FOR COMPLETION ABSOLUTELY NO FIELD CORING / DRILLING / CUTTING OF METALLIC POLES TO BE ALLOWED

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SITE ADDRESS:

4 CHARLES ST

SHEET TITLE:

- SHEET NUMBER:

GENERAL NOTES

GN-1

44 ENCLOSHIESWINERWINS

LEOUPENT CAUSTINES, TERMINAL BOXES, AINCTION BOXES AND PULL BOXES SHALL BE GALVANZED OR EPOXY-COATED SHEET STEEL SHALL MEET OR EXCEED U. SO, AND BE RATED NEMA 1 (OR BETTER) INDOORS OR NEMA 3R (OR BETTER) OUT CONTRACTOR SHALL PROVIDE ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED BY LOCAL CODES AND ORD THIS MAY INCLUDE SUCH MEASURES AS SLT FENCE, STRAW BALES, SEDIMENT BARRIERS, AND CHECK DAMS. 2. WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER AND RATE NEMA 1 (OR BETTER) INDOORS. OR NEMA 3R (OR BETTER) OUTDOORS 3. JUNCTION BOXES: JUNCTION BOXES SHALL BE A MINIMUM SIZE OF 4 INCHES SQUARE BY 1-1/4 INCHES DEEP 65 HOLES, SLEEVES AND OPENINGS 1, GENERAL: PROVIDE ALL HOLES, SLEEVES AND OPENINGS REQUIRED FOR THE COMPLETION OF WORK AND RESTORE ALL DAMAGED SURFACES TO MATCH SURROUNDING SURFACES 2. CONDUIT PENETRATIONS: SIZE ORGE-DRILED HACES SO THAT AIN ANNALS SEALED FROM THE STANDARD SUBFRACES TO MATCH SURROUNDING SURFACES.

2. CONDUIT PENETRATIONS: SIZE ORGE-DRILED HACES SO THAT AIN ANNALS SEALE OF ROW TESTS SHALL SIX NEW HAD NOT MORE THAT I NOW HAD NOT MORE THAT I SO PREMETATION SIZE DATE OF REPORT HAD NOT MORE THAT I NOW HAD NOT MORE THAT IN THAT IN THAT I NOW HAD NOT MORE THAT IN THAT IN THAT I NOW HAD NOT MORE THAT IN THAT I NOW HAD NOT MORE THAT IN THAT I NOW HAD NOT MORE THAT IN THAT IN THAT I NOW HAD NOT MORE THAT IN THAT IN THAT IN THAT IN THAT I NOW HAD NOT MORE THAT IN ACI 301 - SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS
 ACI 304 - GUIDE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE ACI 309 - GUIDE FOR CONSOLIDATION OF CONCRETE ACI 318 - BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE MOSTIONS HITCHSON HITH THE BUILDING SHELL.

S. GERERAL PROPIGE ALL CUTTING, BUELLING, FITTING AND PATCHING INCESSARY FOR ACCOMPLISHING THE WORK. THIS INCLUDES REMOVAL AND REPLACEMENT OF DEFECTIVE WORK AND WORK NOT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

6.REPAIRS. REPAIR NAY AND ALL DAMAGE TO WORK OF OTHER TRADES CAUSED BY CUTTING AND PATCHING OPERATIONS, USING SKALED MECHANICS OF THE TRADES INVOLVED.

7.DO NOT CUT MAD OR STRUCTURAL ELEVERTS WITHOUT APPROVAL. PATCHING SHALL BE OF QUALITY EQUAL TO AND OF MATCHING APPEARANCE OF EXISTING CONSTRUCTION.

8.ASSOLUTELY NO FIELD CORNING / DRILLING / CUTTING OF METALLIC POLES TO BE ALLOWED. ACI 544.1R - FIBER REINFORCED CONCRETE (IF SPECIFIED) ACI 544.2R - MEASUREMENT OF PROPERTIES OF FIBER REINFORCED CONCRETE (IF SPECIFIED) XX DESIGN SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE AND/OR REQUIREMENTS OF THE LOCAL JURISDICTION PRIOR TO POURING CONCRETE. CONCERTS SHALL WEST THE POLLOYMOG REQUEREMENTS. BY, AIR ENTRANED (H-15X) WITH A MAXIMUM OF 4-12" SLUIR, AND HAVE A INNIVIUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI UNLESS OTHERWISE NOTED. THE USE OF MINERAL ADDITIVES OR SUPPLEMENTS IS PROPRIETED. WATER MAY BE ADDED TO THE MAX REACCORDANCE WITH ASTRIAL CH 6.6 CONDUCTORS
1. USE 99% CONDUCTORY WITH TYPE XHHM-2 INSULATION, 502 VOLT, COLOR CODED, USE SOLID CONDUCTORS FOR WIRE UP TO AND INCLUDING NO. 8 AVIG. STRANDED CONDUCTORS FOR WIRE LARGER THAN NO. 8 AVIG. USE PRESSURE-TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AVIG AND AND SMALLER, SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AVIG ADD LARGER ALLMINUM CONDUCTORS SHALL NOT BE USED. MAXIMUM AGGREGATE SIZE SHALL BE 1 THE FOLLOWING MATERIALS SHALL BE USED: 2. NO BX, MC OR ROMEX CABLE SHALL BE PERMITTED. 2. AD SE, MO OR ROWEX CABLE SHALL BE FERMITTED.
3. EACH END OF PETERP FORMER, GROWNON AM IT I CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (IM BRAND, X NICH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM AND MATCH EXISTING INSULATION REQUIREDERS.
4. ALL TE WEARS SHALL BECUT FLUSDED CUTTING TOOL, REMOVE SHAPP EDGES.
5. ALL CONDUIT SIZES SPECIFIED IN THIS DOCUMENT WERE DONE TAXING INTO ACCOUNT THE USE OF COPPER CONDUCTORS. PORTLAND CEMENT: ASTM C150, TYPE 11 REINFORCEMENT: ASTM A185 & A615 NORMAL WEIGHT AGGREGATE: ASTM C33 DRINKARI F 5. ALL CONDUIT SYES SPECIFIED IT THIS DOCUMENT THAT SOME OF THE UTILITY COMPANY.

1. GENERAL: COMPRY WITH AND CO-RODINATE ALL REQUIREMENTS OF THE UTILITY COMPANY.

2. SHORT CROUNT RATINGS: PROVIDE EQUIPMENT WITH INGHER FAULT CURRENT RATINGS AS NEEDED TO MATCH UTILITY COMPANY AVAILABLE FAULT CURRENT.

2. CONTRACTOR TO VERIFY UTILITY CO. FAULT CURRENT AND ENSURE THAT ALL EQUIPMENT MEETS FAULT CURRENT (AT A MINIMUM ALL EQUIPMENT TO BE 10,000 AC).

4. THE CONTRACTOR IS RESPONSIBLE FOR MANING ARRANGEMENTS WITH THE ELECTRIC UTILITY RELATIVE TO A TIMELY INSTALLATION OF THE NEW SERVICE AND PAYING ALL ASSOCIATION. ADMINTURES.
 NON - CHLORIDE CONTAINING
 FIBROUS REINFORCEMENT: ASTIM C116 (IF SECIFED)
 REINFORCING DETAILS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 315.
 REINFORCING STEEL SHALL CONFORM TO ASTIM A 615, GRADE 60, DEFORMED UNILESS OTH-THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAW . CONCRETE CAST AGAINST EARTH: 3 IN 6. THE LOCATION SHOWN FOR A UTILITY POLE OR CONNECTION TO NEW UTILITIES IS FOR CONCEPTUAL USE ONLY. THE CONTRACTOR SHALL COORDINATE THE ACTUAL LOCATION WITH THE ELECTRIC UTILITY. . CONCRETE EXPOSED TO EARTH OR WEATHER 7. LOCATION AND ARRANGEMENTS: DRAWINGS INDICATE DIAGRAMMATICALLY THE DESIRED LOCATION OF FOURPMENT FIXTURES, OUTLETS, ETC. AND ARE NOT TO BE SCALED, PROPER JUDGEVENT MUST BE EXERCISED IN THE EXECUTION TO ENSURE THE BEST POSSIBLE INSTALLATION . #6 AND LARGER: 2 IN A PAINT AND DISTRIBUTION ROADD INFORMATION SWITCHGOARDS PAINT ROADD TRANSFORMERS AND DISTRIBUTION SCHOOL SHALL RE IDENTIFIED WITH FINGRAYED, WHITE ON BLACK LAMINATED RIGID PHENOLIC NAMEPLATES WITH WINCH CHARACTERS, SECURELY AFFIXED TO FACE OF CASINET . #5 AND SMALLER AND WWF: 1 1/2 IN 18 CHECKOUT. TESTING AND ADJUSTING
1, CORRECTION REPLACEMENT: AFTER TESTING BY CONTRACTOR, OWNER OR ENGINEER, CORRECT ANY DEFICIENCIES AND REPLACE MATERIALS AND EQUIPMENT SHOWN TO BE DEFECTIVE OR UNABLE TO PERFORM AT DESIGN OR RATED CAPACITY. CONCRETE NOT EXPOSED TO FAR WEATHER OR NOT CAST AGAINST THE GROUND: 2. POWER CONDUCTORS: CONTRACTOR SHALL CONDUCT A CONTINUITY AND INSULATION TEST ON CONDUCTORS BETY/EEN SERVICE DISCONNECT SWITCH AND LOAD CENTER. * SUBSYNUTIVILE_71 BY
** SEAMS AND COLUMNS: 13 BY
** A CHAMFER OF 2 BY SHALL BE FRONDED AT ALL EXPOSED EDGES OF CONCRETE, UNIO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4
** A STALLATION OF CONCRETE EXPANSION/WEDGE ANCHORS SHALL BE PER MANUFACTURERS RECOMMENDATION FOR EMBEDWENT D
** LOURING COMPOUNDS SHALL CONFORM TO ASTM C - 309. 3. WHEN SITE POWER IS DERIVED FROM A 3-PHASE SOURCE, LOAD READINGS WILL BE TAKEN AND RECORDED TO MAINTAIN A BALANCED LOAD AT THE PRIVARY SOURCE. RECORDS SHALL BE RETURNED TO THE OWNER'S REPRESENTATIVE A THEM BIT IS THE PROPERTY OF EMPOSED CONDUTT SHALL BE RIGHD GALVANZED STEEL (ROS) CONDUTT OS CHEDULE 80 PWC CONDUTT.

3. ELECTRICAL METALLIC TURNING (EMT) OR RIGHD, NONVETALLIC CONDUTT (WIGHD PVC SCHEDULE 40, OR RIGHD PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOR LOCATIONS.

4. ELECTRICAL METALLIC TURNING (EMT) OR RIGHD NONVETALLIC CONDUTT (WIGHD PVC SCHEDULE 40, OR RIGHD PVC SCHEDULE 80 FOR LOCATIONS. SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOR LOCATIONS.

4. ELECTRICAL METALLIC TURNING (EMT) OR RIGHD NONVETALLIC CONDUTT (WIGHD PVC SCHEDULE 80) SHALL BE USED FOR CONCEALE 80 PDOOR LOCATIONS.

5. DUAD-THAT FLEDBLE METALLIC CONDUTT, LOUD-OTHER FLEDS (HALL BE USED PORGON AND OUTDOORS, WHERE EVER WEARTON OCCURS PLEASENITY IS NEEDED.

6. PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUTS AND PROVIDE TWO SEPARATE PULL STRINGS - 200 LB. TEST POLYETHYLENE CORD. 2. ADMIXTURE SHALL CONFORM TO THE APPROPRIATE ASTM STANDARD AS REFERENCED IN ACI-301. 3. CONCRETE FOR REPLACEMENT BRICK SIDEWALKS OR DRIVEWAYS SHALL BE PLACED TO A THICKNESS NOT LESS THAN 6", AND NOT MORE THAN THE THICKNESS OF THE ADJACENT BRICK SIDEWALK OR DRIVEWAY , DO NOT WELD OR TACKWELD REINFORCING STEEL. ALL DOWELS, ANCHOR BOLTS, EMBEDMENT STEEL, ELECTRICAL CONDUITS, PIPE SLEEVES, GROUNDS AND ALL OTHER EMBEDDED ITEMS AND FORMED DETAILS SHALL BE IN PLACE BEFORE START OF CONCRETE PLACEMENT LOCATE ADDITIONAL CONSTRUCTION JOINTS REQUIRED TO FACILITATE CONSTRUCTION AS ACCEPTABLE TO ENGINEER, PLACE REINFORCEMENT CONTINUOUSLY THROUGH JOINT. REINFORCEMENT SHALL BE COLD BENT WHEN BENDING IS REQUIRED.
PLACE CONCRETE IN A UNFORM WANNER TO PREVENT THE FORMATION OF COLD JOINTS AND OTHER PLANES OF WEAKNESS, VIBRATE THE CONCRETE TO FULLY EMBED REINFORCING, DO NOT USE VIBRATOR TO TRANSPORT CONCRETE THROUGH CHUTES OR FORMATION. 7. ALL CONDUIT BENDS SHALL BE MINIMUM OF 24-INCH RADIUS. 8. ALL METALLIC RACEWAYS SHALL BE GROUNDED PER NEC. S. PLACE CONCRETE IN A UNIVORMANIER TO REVIENT THE FORWANTON OF COLD JOINTS AND OTHER PLAYES OF WEAVIE S. DO NOT PLACE CONCRETE IN POLYDON WATER, LCC, OR ON FROZEI GROUND APPLICABLE AND CODES AND RECOMMEND. D. FOR COLD WEATHER AND HOT WEATHER, CONCRETE PLACEMENT, CONFORM TO APPLICABLE ACI CODES AND RECOMMEND. T. REBER REINFORCED CONCRETE MAY, PEOCHEDS, EMBL. INCLUDE IT MAS OF PIERP REP CUBC VARD. 2. WASTE CEILENT FROM CLEANING OF CONCRETE DELIVERY TRUCKS SHALL NOT BE ALLOYED TO ENTER THE STORM DRAIN 9. THE CONTRACTOR SHALL FIELD VERIFY THE BEST AND LEAST DISRUPTIVE ROUTING OF CONDUITS, CABLE TRAYS AND DUCTS, CONDUIT ROUTING IS SHOWN AS A GUIDE ONLY, ACTUAL CONDUIT PLACEMENT IS TO BE DONE IN A PROFESSIONAL MANINER. S NEW CRITICAL UNDERGROUND ELECTRC, TELEPHONE AND OTHER SERVICES IN THE VICINITY OF OTHER UNDERGROUND SERVICES AND EQUIPMENT SUPPORTS. THE CONTRACTOR SHALL TAKE ALL NECL LPRIOR TO DECOMPTION, AUTITY MARK OUT SHALL BE DONE TO LOCATE EXISTING UNDERGROUND UTILITIES ALL UNDERGROUND UTILITIES MUST BE LOCATED AND MARKED OUT PRIOR TO ANY EXCAVATION YORK BEING PERFORMED, PHOTOS SHALL BE TAKEN OF ALL UNDERGROUND UTILITIES MUST BE LOCATED AND MARKED OUT PRIOR TO ANY EXCAVATION YORK BEING PERFORMED, PHOTOS SHALL BE TAKEN OF ALL UNDERGROUND UTILITIES MUST BE LOCATED AND MARKED OUT PRIOR TO ANY EXCAVATION YORK BEING PERFORMED, PHOTOS SHALL BE TAKEN OF ALL UNDERGROUND UTILITIES MUST BE LOCATED AND MARKED OUT PRIOR TO ANY EXCAVATION YORK BEING PERFORMED, PHOTOS SHALL BE TAKEN OF ALL UNDERGROUND UTILITIES MUST BE LOCATED AND MARKED OUT PRIOR TO ANY EXCAVATION YORK BEING PERFORMED, PHOTOS SHALL BE TAKEN OF ALL UNDERGROUND UTILITIES MUST BE LOCATED AND MARKED OUT PRIOR TO ANY EXCAVATION YORK BEING PERFORMED, PHOTOS SHALL BE TAKEN OF ALL UNDERGROUND UTILITIES MUST BE LOCATED AND MARKED OUT PRIOR TO ANY EXCAVATION YORK BEING PERFORMED, PHOTOS SHALL BE TAKEN OF ALL UNDERGROUND UTILITIES MUST BE LOCATED AND MARKED OUT PRIOR TO ANY EXCAVATION YORK BEING PERFORMED, PHOTOS SHALL BE TAKEN OF ALL UNDERGROUND UTILITIES MUST BE LOCATED AND MARKED OUT PRIOR TO ANY EXCAVATION YORK BEING PERFORMED. PHOTOS SHALL BE TAKEN OF ALL UNDERGROUND UTILITIES MUST BE LOCATED AND MARKED OUT PRIOR TO ANY EXCAVATION YORK BEING PERFORMED. FOUNDATION 1 GENERAL 3. ALL TRENCHING AND EXCAVATION WITHIN EXISTING COMPOUNDS MUST BE PERFORMED BY HAND IN ACCORDANCE WITH THE OWNER'S SPECIFICATIONS. ANY OTHER METHODS OF DIGGING MUST FIRST BE APPROVED BY THE COM-ALL WORK SHALL COMPLY WITH OSHA AND STATE SAFETY REQUIREMENTS. PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTIONS AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION. 4. ALL LOW VOLTAGE CONDUIT (600V OR LESS) SHALL HAVE A MINIMUM BURIAL DEPTH OF 24". ALL HIGH VOLTAGE CONDUIT (600V OR MORE) SHALL HAVE A MINIMUM BURIAL DEPTH OF 36". PRIOR TO INITIATING EARTHMORK OPERATIONS, GROUND WATER AND SURFACE WATER CONTROL MEASURES NEED TO BE TAKEN. RGROUND CONDUIT SHALL BE ENCASED IN REINFORCED CONCRETE IN AREAS OF VEHICLE TRAFFIC. CONCRETE ENCASEMENT SHALL BE 3' MINIMUM ALL AROUND AND BETWEEN CONDUITS. THE CONTRACTOR SHALL PROVIDE ADEQUATE SLOPING, SHORING, AND BRACING FOR ALL EXCAVATION TO PROTECT ADJACENT STRUCTURES AND COMPLY WITH LOCAL CODES, ORDINANCES, OSHA AND ANSI REQUIREMENT 6, ALL BURIED CONDUIT SHALL BE IDENTIFIED WITH ELECTRICAL MARKER TAPE. TAPE SHALL BE PLACED 12' ABOVE CONDUIT FOR EASY IDENTIFICATION PRIOR TO CONSTRUCTION OF ANY PERMANENT STRUCTURE. THE SITE SHALL BE STRIPPED OF ALL SURFACE VEGETATION, TOP SOIL, AND ORGANIC MATERIAL; ALL WET, SOFT, LOOSE, FROZEN, OR OTHERWISE UNDESIRABLE SOIL SHALL BE REMOVED. I.11 <u>COUPMENT</u> I. THE MAIN CIRCUIT BREAKER SHALL BE RATED FOR STANDARD A.L.C. RATING HIGHER THAN INCOMING EQUIPMENT A.L.C. CTOR IS TO PREVENT SURFACE WATER FROM ENTERING EXCAVATIONS, PUDGLE, AND FROM FLODOMS ADJACENT PROPERTIES DURING CONSTRUCTION, CONTRACTOR IS ALSO RESPONSIBLE FOR PREVENTING SOFTENING OF THE FOUNDATION SOLS PRIOR TO PLACING THE EXPOSED SIGN GRADE SHALL BE PROOFED FOR USEN WITH MEDIUM WEIGHT ROLLERS OR OTHER APPROVED EQUIPMENT TO DETERMINE IF ANY POCKETS OF SOFT, COVPRESSIBLE SOL EXISTS BELOW THE EXPOSED SUB GRADE, WHEREVER SUCH MATERIAL IS ENCOUNTERED, THE AREA SHALL BE UNDERCUIT TO SUFFICIENCY AS PROVED FOR THE SAME AND ADMINISTRATION OF THE SAME ADMINISTRATION OF THE 2. ALL EQUIPMENT SHALL BE BRACED FOR STANDARD A.LC. RATING HIGHER THAN INCOMING FROM UTILITY CO. ALL STRUCTURAL FILL EXTENDING FROM SUITABLE SUB-GRADE TO BOTTOM OF FOUNDATIONS OR FLOOR SLABS SHALL CONSIST OF GRANULAR MATERIAL AND 3%, TO 10% BY DRY WEIGHT PASSING THE U.S. STD #200 SIEVE SIZE, COMPACTED TO 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTRONOSSY IN LUTRIERS NOT EXCEEDING 9. THE CONTRACTOR SHALL PROVIDE AN ITEMIZED CERTIFICATION TO THE CARRIER OF ALL EQUIPMENT AND RELATED HARDWARE. SPECIFIED TO BE PURCHASED AND INSTALLED BY THE CONTRACTOR, WHERE ORDERED WITHIN 24 HRS. OF THE NOTICE TO PROCEE ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED PLASTIC LABELS, ALL EQUIPMENT SHALL BE LABELED WITH ITS VOLTAGE PATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR CAPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (ILE. PANELBOARD AND CIRCUIT THE SOL PREPARATION, INCLUDING FOOTING EXCAVATION, FILL, BACK FILL, AND COMPACTING SHALL BE DONE FOLLOWING THE RECOMMENDATION CONTAINED IN INTERNATIONAL BUILDING CODE (2012). 8. THE SOL PREPARATION, INCLIDING FOOTING EXCAVATION, FILL, BACK FILL, AND COMPACTING SHALL BE DONE FOLLOWING THE RECOMMENDATION CONTRINED IN INTERNATIONAL BULDING CODE (2012).

9. PROPORTIONS OF CONCRETE WATERIALS SHALL BE SUITABLE FOR THE INSTALLATION METHOD UTILED AND SHALL RESULT IN DURBLE CONCRETE FOR RESISTANCE TO ANTIFORM THE PROPERTY OF THE FOUNDATION. THE DURBLITY REQUIREMENTS OF ACI 18 CH SATISFIED ASSOCIATION OF CONCRETE WATER DEVICE THE NUMBER OF THE PROPERTY OF THE FOUNDATION. THE DURBLITY REQUIREMENTS OF ACI 18 CH SATISFIED ASSOCIATION OF THE PROPERTY OF THE FOUNDATION. THE DURBLITY REQUIREMENTS OF ACI 18 CH SATISFIED ASSOCIATION OF THE PROPERTY OF THE FOUNDATION. THE DURBLITY REQUIREMENTS OF ACI 18 CH SATISFIED ASSOCIATION OF THE PROPERTY OF THE FOUNDATION. THE DURBLITY REQUIREMENTS OF ACI 18 CH SATISFIED ASSOCIATION OF THE PROPERTY OF THE FOUNDATION. THE DURBLITY REQUIREMENTS OF ACI 18 CH SATISFIED ASSOCIATION OF THE PROPERTY OF THE POUNDATION. THE DURBLITY REQUIREMENTS OF THE POUNDATION O 5. METAL RECEPTACLE, SYITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED OR NON-CORRODING: SHALL MEET OR EXCEED UL 51A AND NEMA OS 1, AND BE RATED NEMA 1 (OR BETTER) INDOORS OR WEJ 6. NONIVETALLIC RECEPTACLE SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA 05 2, AND BE RATED NEMA 1 (OR BETTER) INDOORS OR WEATHER-PROTECTED (WP OR BETTER) OUTDOORS I IZ TRANSIENT VOLTAGE SURGE SUPPRESSION (TVSS) I TVSS DEVICES FOR AC POWER SHALL BE INSTALLED IN ALL EXISTING FACILITIES THAT ARE MISSING TVSS DEVICES OR HAVE UNSUITABLE TVSS DEVICES 2. THE AC POWER COMMON MODE SURGE SUPPRESSOR SHALL BE CONNECTED TO THE COMMERCIAL POWER INPUT SIDE OF THE MANUAL TRANSFER SWITCH.

3. IN MARKETS WITH LIGHTINING ZONE > OR = TO 4, RF TVSS DEVICE SHALL BE INSTALLED AT THE ENTRANCE TO THE SHELTER OR AS CLOSE AS POSSIBLE TO THE BITS CABINET FOR OUTDOOR SITES, TO PROTECT AGAINST LIGHTING AND TRANSIENT VOLTAGES. 7 GROUNDING
T. GENERAL GROUNDING MATERIALS AND MOTES
1. THE SUSCONTRACTOR SHALL YERRY THAT THE SYSTEM IS EFFECTIVELY GROUNDED, MEETS NEC ARTICLE 250 REQUIREMENTS, IS ACCEPTABLE TO THE LOCAL LITERY AND THE LOCAL AUTHORITY HAVING JURISDICTION, AND MEETS THE CARRIER'S ELECTRICAL AND GROUNDING SPECIFICATIONS.
FOLLOWING COMPLETION OF WORK, CONDUCT GROUND TEST, OWNERS REPRESENTATIVE WILL INSPECT CADIVILLOS AND REVIEW GROUND TEST PRIOR TO BURRAL. USE CLEAN SAND AND CLAY BACKFILL FOR BURRED GROUND CONDUCTORS. 2. ALL DETAILS SHOWN ARE DIAGRAMMATICAL, ACTUAL GROUNDING INSTALLATION AND CONSTRUCTION MAY YARY DUE TO SITE SPECIFIC CONDITIONS. FOUNDATION SHALL BE FORMED WITH PLYYOOO OR METAL PANELS SUFFICIENT FOR STRUCTURAL AND VISUAL REGUREVENTS, FORMS SHALL BE STRUCTURALLY ADEQUATE TO WITHSTAND UNCURED CONCRETE PRESSURE. FORMS SHALL BE REMOVED ONCE CONCRETE HAS ATTAINED 75% OF ITS ULTIMATE TO STRUCTURALLY ADEQUATE TO WITHSTAND UNCURED CONCRETE PRESSURE. FORMS SHALL BE REMOVED ONCE CONCRETE HAS ATTAINED 75% OF ITS ULTIMATE TO STRUCTURALLY ADEQUATE TO WITHSTAND UNCURED CONCRETE PRESSURE. FORMS SHALL BE REMOVED ONCE CONCRETE HAS ATTAINED 75% OF ITS ULTIMATE TO WITHSTAND UNCURED CONCRETE PRESSURE. 3. NOTIFY CONSTRUCTION MANAGER IF THERE ARE ANY DIFFICULTIES INSTALLING THE GROUND SYSTEM DUE TO SITE/SOIL CONDITIONS. L GROUND CONNECTIONS: WHERE GROUND CONNECTIONS ARE MADE, THE CONTACT POINTS SHALL BE THOROUGHLY CLEANED AND MADE FREE OF FOREIGH MATERIAL SUCH AS PAINT, GALVANIZATION, AND CORROSION, TO ENSURE ADEQUATE BOND, REFER TO EXCHIERANC WELD, LUGS, AND ANTIOXICATION CONDITIONS OF PRINTING ENERLY BEING. 5. GROUND WRE: OUTS DEFINDERGROUND, INNIVIDED DESCRIPTION OF THE GROUND WRE COURS DEFINED WITH NECTABLE 2946, SERVICE SIZE, AND LOCAL UTILITY REQUIREMENTS. UNDER NO CIRCLASTANCES IS STRANDED WITE ACCEPTABLE, VIEW ANY GROUNDING OR BONDING WRE RUNS THROUGH CONCRETE, IT SHALL BE STRAIGED IN PEC. GROUND WRESS SHALL NOT BE INSTALLED OR ROUTED THROUGH HOLES IN ANY METAL OBJECTS OR SUPPORTS. THE CONTRACTOR SHALL EXPECT SUBMERGED DRILLING CONDITIONS FOR DEEP FOUNDATION CONSTRUCTION SUCH AS DRILLED PIERS OR DEADMAN ANCHORS AND SHALL MOBILIZE ACCORDINGLY. 7. THE CONTRACTOR SHALL EPECT SUBMERGED DRILLING CONDITIONS FOR DEEP FOUNDATION SUCH AS DRILLED FIRST OR DEADMAN ANCHORS AND SHALL MOBILE ACCORDANCY.

8. FOUNDATION DISTALLATION SHALL BE SUPERVISED BY PERSONNEL NOW, DEEP FOUNDATION CONSTRUCTION MATERIALS, DISTALLATION HEAD FOR FORD FOUNDATION PRACTICES.

8. FOUNDATION DESIGN ASSUMES FELD INSPECTIONS WILL BE PERSONNEL TO VERRY THAT CONSTRUCTION MATERIALS, INSTILLATION METHODS, AND ASSUMED DESIGN PARAMETERS ARE ACCEPTABLE MASED ON CONDITIONS EQUITION AT THE SITE.

9. CONCRETE SHALL BE PLACED BIA MANORE HAT WILL PERSONNEL ON SERVED OF SCHOOL MATERIALS, BINITALATION OF WATER OR SOLD OF DESIGN PARAMETERS ARE ACCEPTABLE MASED ON CONDITIONS FOR THE SITE.

9. CONCRETE SHALL BE PLACED BIA MANORE HAT WILL PERSONNEL SHOW SERVED OF SCHOOL MATERIALS, BINITALATION OF WATER OR SOLD OF DESIGN PARAMETERS WHEN LAW OF GEREASE HE IS STRENGED OR DUBBLING TO THE POLICIAL OF THE POLICI 6. GROUND WIRE - INSIDE: WIRE SHALL BE NO, 2 AWC THIN OR THIN-2. CLASS B STRANDED COPPER CABLE RATED FOR 50 WC (WET AND DRY) OPERATION, GREEN INSULATED (A HIGH-STRAND COUNT WIRE IS PREFERRED). 7. BURBED GROWND RING: THE ECUPVENTICHBLITER PAD OR PLATFORM SHALL HAVE A BURED GROWND RING (BRG) THAT CONSISTS OF A RING IN.). 2 AWG BARE, SOLD, ANNEALED, TINIED COPPER WIRE AND EXOTHERMCALLY WELDED GROWND ROOS. THE BCR DESIGN SHOULD RESULT IN 10 OHAS OR LESS WITH SOLD RESISTIVITIES OF UP TO \$2,000 OHAGE. SOLD RESISTIVITIES OF UP TO \$2,000 OHAGE. SOLD RESISTIVITIES OF UP TO \$2,000 OHAGE. SOLD RESISTIVITIES HOLD RESISTIVITIES OF UP TO \$2,000 OHAGE. SOLD RESISTIVITIES HOLD RESISTIVE HAVE AND AND ALL BE AND A REPORT AND AND AND A RESISTIVITIES HAVE BEEN A REPORT AND AND AND A RESISTIVITIES OF UP TO \$2,000 OHAGE. OR PLATFORM PERSON PREMERED REAL BEAT AND AND AND OWN THIN OR BEIND HAVE AND AND AND AND AND A RESISTIVITIES OF UP TO \$2,000 OHAGE. OR PLATFORM PERSON PER EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1/4x1/4" (19mm x 19mm) MINIMUM. POSED EDUCES OF COMPARE IS SHALL BE UNIVERZED Y AY A (1987 AN A 1997) MAKENDAR AND A DECEMBER OF A D 8. EXCTHERMIC WELDING: EXCTHERMIC WELDS SHALL RECADWELD A REGISTERED TRADEWARK OF ERCO PRODUCTS. INC. OF CLEVELAND, OHIO, OR THERMOWELD, A DIVISION OF CONTINENTAL INDUSTRIES, INC. OF TULSA OKLAHOMA OR EQUIVALENT. HE CONTRACTOR MIGHT HAVE TO BUILD THE FOUNDATION WITH SUBVERGED CONDITIONS AND SHALL MOBILIZE ACCORDINGLY. ALL EXISTING GROUNDING RINGS AND DEVICES EXPOSED BY EXCAVATION OR REGRADING SHALL BE REPLACED AND PROPERLY CONNECTED TO EXISTING SYSTEM PER NEC OR LOCAL JURISDICTION REQUIREMENTS. CONCRETE COVER FROM TOP OF FOUNDATION TO ENDS OF VERTICAL REINFORCEMENT SHALL NOT EXCEED 3 INCHES (76 MM) NOR BE LESS THAN 2 INCHES (51 MM). 2. CROUND BARS SHOUND BARS SHALL BE VANUFACTURED EXACTLY AS SPECIFIED, NO DEVATIONS ARE ALLOWED, DAVISIONS SHALL BE ACCURATE WITHIN 1/32 INCH. HOLE DAVIETERS SHALL BE ACCURATE WITHIN 1/34 INCH. BARS SHALL BE X INCH THICK SOLID ELECTRICAL GRODE COPPER INCHIDED BY HARGER OR APPROVED EQUAL, GROUND BARS SHALL NOT BE FASRICATED OR MODIFIED IN THE RELD CARD. ACRE GROOND BARS SHOULD BE MEST AND AND ASSESS AND ASSESS ASSESSED. AND ASSESSED SPACERS SHALL BE ATTACHED INTERMITTENTLY THROUGHOUT THE ENTIRE LENGTH OF VERTICAL REINFORCING CAGES TO INSURE CONCENTRIC PLACEMENT OF CAGES IN EXCAVATIONS MINIDATION DESIGN MODIFICATIONS MAY BE REQUIRED IN THE EVENT OF THE FOLLOWING DESIGN PARAMETERS ARE NOT APPLICABLE FOR THE SUBSURFACE CONDITIONS ENCOUNTERED. 13. INSULATORS: POLYESTER FBERGLASS, 15 KY MINMUM DIELECTRIC STRENGTH, FLAVE RESISTANT FER UL 94 VO CLASSIFICATION.
14. CUPS VIYIEN SECURING MY GROUND WIRES, SOLID OR STRANGED, INSULATED OR UNINSULATED, NEVER USE MY CUPS OR OTHER DEVICES THAT ARE CONDUCTIVE AND FORM A CLOSED LOOP, METALLIC CUPS ARE ACCEPTABLE IF THEY DO NOT FORM A CLOSED LOOP NATION AND ANCHOR TO FRANCES REFER TO TOWER MANUFACTURER DRAWINGS FOR SPECIFIC JOR NUMBER AND DATE. IN ABSENCE OF MORE SPECIFIC INFORMATION, THE CONTRACTOR MAY USE THE FOLLOWING: 14. CUPS WHEN SECURING ANY GROUND WIRES, SOLID OR STRANGED, INSULATED OR UNINSULATED, INVENTIGE NEW CUPS OR OTHERS

15. GROUND CLAMP PURINDY CARS THE LIG LLCAMP WITH WHO HOPE PROVISOSS FOR LOND BRANCH INVENTIGE AND THE FOR THE COAK GROUND MITS SHALL BE SOLID STRAP TYPE WITH NO. 8 ANYO WIRE AND 2-HOLE COMPRESSION CRAWPED LIGG (INSTALLED USING THE PROPER UL. TOCAL AND CIRCLAFFER OR HOLE SHALL PROPER WITH NO. 8 ANYO WIRE AND 2-HOLE COMPRESSION CRAWPED LIGG (INSTALLED USING THE PROPER UL. TOCAL AND CIRCLAFFER OR HOSE CLAMP TYPE SHALL NO TO EAG. THE COLLECTOR COB, INFOCULT C POLE FOUNDATION:

- LOCATION LEVEL OF SHAFT LENGTH NOT TO EXCEED 12:5% OF SHAFT DIAMETER OR 12'

- QUIT OF FLUNDS 1:5% OF SHAFT LENGTH NOT TO EXCEED 12:5% OF SHAFT DIAMETER OR 12'

- CONCRETE CUT OF FLEATMON - 1.5%

- CONCRETE CUT OF FLEATMON - 1.5%

- FOUNDATION DESIGN ASSUMES CASING, IF USED, WILL NOT BE LEFT IN PLACE, EQUIPMENT, PROCEDURES AND PROPORTIONS OF CONCRETE MATERIALS SHALL INSURE CONCRETE WILL NOT BE ADVERSELY DISTURBED UPON CASING REMOVAL.

ORGILLOR FLUND, FLUES, SHALL BE FLUIT VISENACED BY CONCRETE AND SHALL NOT BE DETRIMENTAL TO CONCRETE ON SURROUNDING SOL. CONTAININATED CONCRETE SHALL BE REMOVED FROM TOP OF FOUNDATION AND REPLACED WITH FRESH CONCRETE.

NITIMATE CONTACT BETYPEDN CONCRETE AND SOL. WILLED SHAFT IS ESSENTIAL FOR ADEQUATE FOUNDATION PERFORMANCE, THE CONCRETE SHOULD BE APPROPRIATELY VIBRATED DURANG CONSTRUCTION. 18. ANTENNA GRONDORG -ALL ANTENNAS SYCLUOUS OF THE OPE ANTENNAS AGE GRONDORS OF THE REPORT AND THE REPORT AND THE GROND AS A THE END OF THE WATER AND AND THE GROND AS A THE END OF THE WATER AND AND THE GROND AS A THE END OF THE WATER AND AND THE GROND AS A THE END OF THE WATER AND AND THE COAL GROUND BARS. DO NOT INSTALL SEPARATE ANTENNAS GROUND CONNECTED TO THE COAL GROUND BAR AT THE END OF THE WATER OF COR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, TRANSPORTATION, CONSTRUCTION TOOLS, ETC, FOR THE INSTALLATION OF COMPLETE AND PROPERLY OPERATING SYSTEMS. NSTALLATION SHALL COMPLY WITH ALL APPLICABLE LAWS AND ORDINANCES OF ALL AUTHORITIES HAVING JURISDICTION AND WITH ALL ASSOCIATED UTILITY COMPANY REGULATIONS AND APPLICABLE REQUIREMENTS. INSTALLATION WILL ALSO COMPLY WITH THE LATEST EDITIONS OF ALL CODES AND STIPLE ENTITIES USTED UNDER TIEM #1.1, PARAGRAPH 1. THE MOST STRINGENT CODE WILL APPLY IN THE CASE OF DISCREPANCES OR DIFFERENCES IN THE CODE REQUIREMENTS. THE CONTRACTOR SHALL SECURE ALL NECESSARY ELECTRICAL PERMITS AND PAY ALL REQUIRED FEES. 8 RF AND TOWER APPURTENANCE INSTALLATION RELATED NOTES AT CONNAI CHEE REQUIREMENTS

GENERAL PROVIDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY FOR RECEIVED, INSTALLING, TESTING, AND ADJUSTING ANTENNA CABLES FROM THE AUTENNA TO THE CONNECTIONS AT THE BASE TRANSVISSION SYSTEM (BTS). THIS SHALL INCLIDE ALL EQUIPMENT SHOWN OR R
COMPLETE OFFRATAING SYSTEM, ANTENNA, ANTENNA, ANTENNA, CABLES, CONNECTIONS, AND FITTING SHALL BE THIRD PRATY PURNISHED COMPONENTS AS SHOWN ON THE BILL OF MATERIALS. ECORD DRAWINGS: MAINTAIN A RECORD OF ALL CHANGES, SUBSTITUTIONS BETWEEN WORK AS SPECIFIED AND INSTALLED. RECOR ALL BROCHURES, OPERATION MANUALS, CATALOGS, SHOP DRAWINGS, SPECIFICATIONS, ETC., SHALL BE TURNED OVER TO THE CARRIER AT THE COMPLETION OF THE PROJECT. QUARANTIER MARANTE DESTALLATION TO BE FREE OF DEFECTS, SHORTS, GROUND, ETC., FOR A FERROD OF ONE YEAR, CHURNISH WARRANTT SO THE GEFECTIVE MARTINE, CHURNISH WARRANT SO THE GEFECTIVE MARTINE, AND ON WORRANDSHEP WILL BE REPARRED MEMBED REPLACED INVEDITED THE OWNER FOR THE OPPOSE OF ARRANDOR OF THE NECESSARY FEBRARS AND BUCK CHARGING THE WORK. COAXAL CABLE LENGTHS SHALL BE FIELD MEASURED. INSTALLER SHALL NOTIFY CARRIER PRIOR TO PURCHASE OF CABLE OF THE OVERALL LENGTH REQUIRED. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES, AS NECESSARY. COAXIAL CABLE TYPE AND DIAMETER SHALL BE VERIFIED WITH CARRIER. DO NOT INTERRUPT EXISTING SERVICES WITHOUT WRITTEN PERMISSION OF THE OWNER OF THAT SERVICE AND WRITTEN PERMISSION OF THIS INSTALLATION'S CARRIER. COAXIAL CABLES SHALL BE LABELED IN ACCORDANCE WITH CARRIER ELECTRICAL MATERIALS AND METHODS SPEC FICATIONS. ALL MAIN CABLES WILL BE COLOR CODED AT FOUR LOCATIONS: A) AT ANTEINIA PROR TO JUVPER, B) AT THE BOTTOM OF THE TOWER, C) EXTERIOR PART OF THE WAVE ENTRY PORT (AT THE SHELTER CABINET WALL), D) INTERIOR OF THE SHELTER CABINET. HANGES: NO ADDITIONAL COSTS FOR LABOR OR MATERIALS WILL BE ALLOWED FOR CHANGES OR MODIFICATIONS MADE UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM THE ARCHITECT, ENGINEER OR OWNER IN THE FORM OF A CHANGE ORDER DRAWINGS: ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT TO BE SCALED. INSTALL CONNECTORS TO COAXIAL CABLE AT BOTH ENDS (ANTENNA END AND BTS LOCATION). DISCREPANCIES DISCREPANCIES ON THESE PLANS SPECIFICATIONS FTC. MUST BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER. DISCREPANCES DISCREPANCES ON THESE FLAXS, SPECIFICATIONS, ETC. MUST BE MINEOTETY BROUGHT TO THE ATTENTION OF THE PROMETS.

SURVEY AND CONDITIONS. WISH THE ADS BITE PRINT OF DISBUTTIVE BOOK MAKE A SURVEY OF EXISTING CONDITIONS WISH THE ADD SET THE UPON SUCCESSFUL COMPLETION OF THE SYYEEP TEST, THE CONTRACTOR SHALL PROVIDE A WEATHERTIGHT SEAL ON THE COAX CABLES AT THE ANTENNA CONNECTION ONLY. THE MINIMUM BENDING RADIUS FOR ALL ANTENNA CASLES SHALL BE AS SHOWN BELOW OR PER THE MANUFACTURER, WHICHEVER IS MORE CONSERVATIVE: CABLE IN AIR OR CABLE TRAY
1/4"
1" IN CONDUIT 2 <u>INSPECTIONS</u>
GENERAL DURING AND UPON COMPLETION OF WORK, ARRANGE AND PAY ALL ASSOCIATED INSPECTIONS OF ALL ELECTRICAL WORK INSTALLED LINDER THIS CONTRACT IN ACCORDANCE WITH THE CONDITIONS OF THE CONTRACT. 3. CABLES SHALL BE INSTALLED WITH THE MINIMUM NUMBER OF BENDS, CABLE SHALL NOT BE LEFT UNTERMINATED IN THE FIELD. SPECTIONS REQUIRED: AS PER THE LAWS AND REGULATIONS OF THE LOCAL AND/OR STATE AGENCIES HAVING JURISDICTION AT THE PROJECT SITE. THE STALL BE BROUGHT OUT IN THE DOWNWARD DIRECTION FROM THE CONNECTION SHALL BE MADE TO GROUNDING SPECTIONS AGENCY: APPROVED BY THE LOCAL AND/OR STATE AGENCIES HAVING JURISDICTION AT THE PROJECT SITE. RTIFICATES: SUBMIT ALL REQUIRED INSPECTION CORTICATES TO THE CARRIER AND UTILITY. HANGERS AND SUPPORTS

HANGERS AND SUPPORTS, FASTENERS AND HARDWARE SHALL BE ZING COATED OR OF EQUIVALENT CORROSION RESISTANCE BY TREATIVENT OR ISHERENIT PROPERTY AND SHALL BE MANUFACTURED PRODUCTS DESIGNED FOR THE APPLICATION, PRODUCTS FOR OUTDOOR USE SHALL BE HOT CO

DICTURAL MEMBERS: DO NOT CUT DRILL OR WELD ANY STRUCTURAL MEMBER EXCEPT AS SPECIFICALLY APPROVED BY THE ENGINEER

EQUS SUPPORTS. PROVIDE ANY ADDITIONAL STRUCTURAL SUPPORT STEEL BRACKETS, ANGLES, FASTENERS AND HARDWARE AS REQUIRED TO ADEQUATELY SUPPORT ALL ELECTRICAL IMATERIALS AND EQUIPMENT.

- PLANS PREPARED FOR: extenet YOUR NETWORK. - PLANS PREPARED BY: -UC/SYNERGETIC 21 OXFORD RD MANSFIELD, MA 02048 1-508-337-7600 www.ucseng.com

FOR PERMITTING **PURPOSES ONLY** - LOCATION: -

> 4 CHARLES ST BOSTON, MA 02108

MIDDLESEX COUNTY

- DRAWING NOTES: -

P.E. STAMP AREA: -

ORIGINAL PLAN: -AS NOTED DRAWN BY:

PLAN ORIG. DATE: 03/06/19 REVISIONS: -REV DESCRIPTION BY DATE

SITE INFO: LAT: 42.35507443° LONG: -71.06896999°

CRAN ID: CRAN_RCTB_2HA4_100

EXTENET NODE ID:

NE-MA-BSTBSC01-00100

SITE ADDRESS

4 CHARLES ST

SHEET TITLE: **GENERAL NOTES**

- SHEET NUMBER:

GN-2