Extenet Systems, Inc.

BACK BAY ARCHITECTURAL COMMISSION 9/8/21

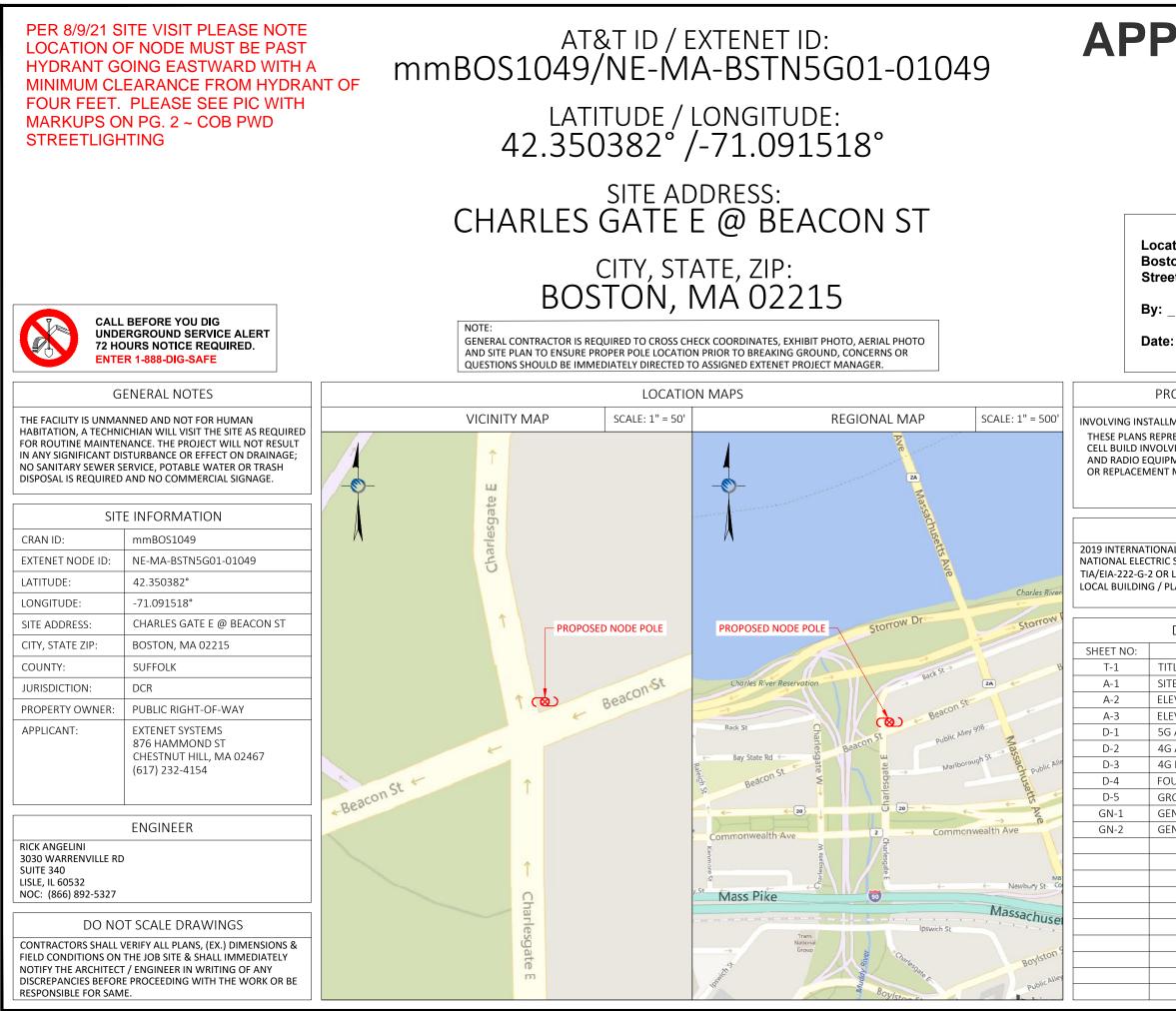
Scope of Work:

- Replace an existing metal light pole with a similar steel light pole in accordance with City of Boston standards. Also, the Applicant will attach a wireless communications antenna at the top of the new pole along with related equipment inside a mounted cabinet. Utilities to be brought underground to the new pole.
- This replacement will be done in accordance with the Agreement between the Applicant and the City of Boston.

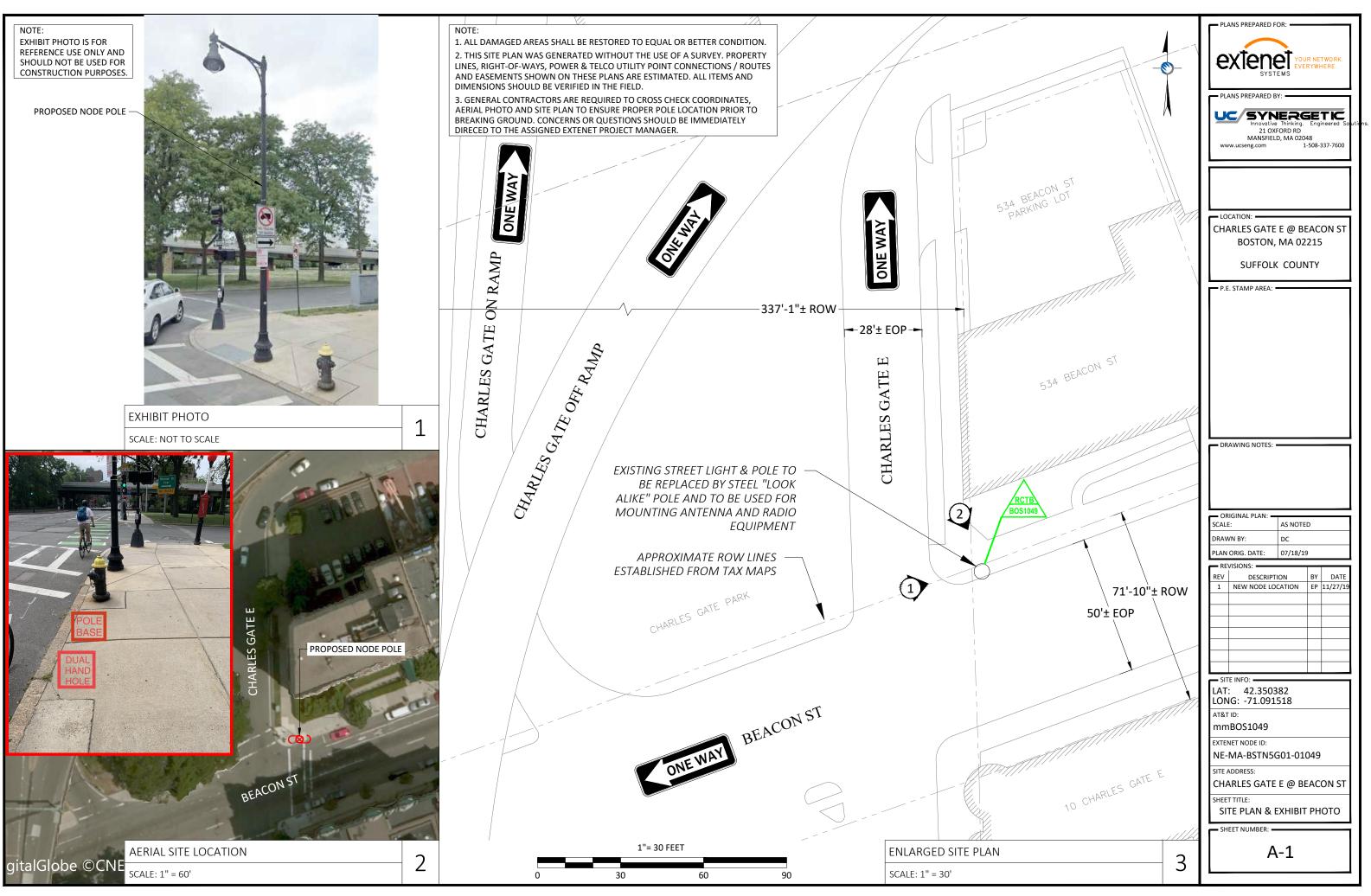
Locations:



NE-MA-
BSTN5G01-
01049Back Bay
Architectural
CommissionCharlesgate East
& Beacon St.Existing Metal
Light Pole



ROVED	E I	21	ED BY: NERC 1000 1	Eng	тю
tion and Design Approved on Public Works t Lighting Department Digitally signed by Michael Donaghy DN: C-US, Emichael Donaghy@boston.gov, O=City of Boston. OU-Public Work Street Lighting, CN=Michael Donaghy Date: 2021.08.11 07:17:22-0400	CH.		DN, MA 02	2215	5
DJECT DESCRIPTION MENT: ESENT A PORTION OF A PROPOSED SMALL ING THE INSTALLMENT OF AN ANTENNA MENT ON AN EXISTING WOODEN UTILITY METAL STREETLIGHT POLE.					
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DRAWINGS NOTES:

NOTE 1: 40" MIN. WORKER SAFETY ZONE BETWEEN LOWEST POWER & HIGHEST COMMUNICATIONS CABLE IN ACCORDANCE WITH NESC REGULATIONS.

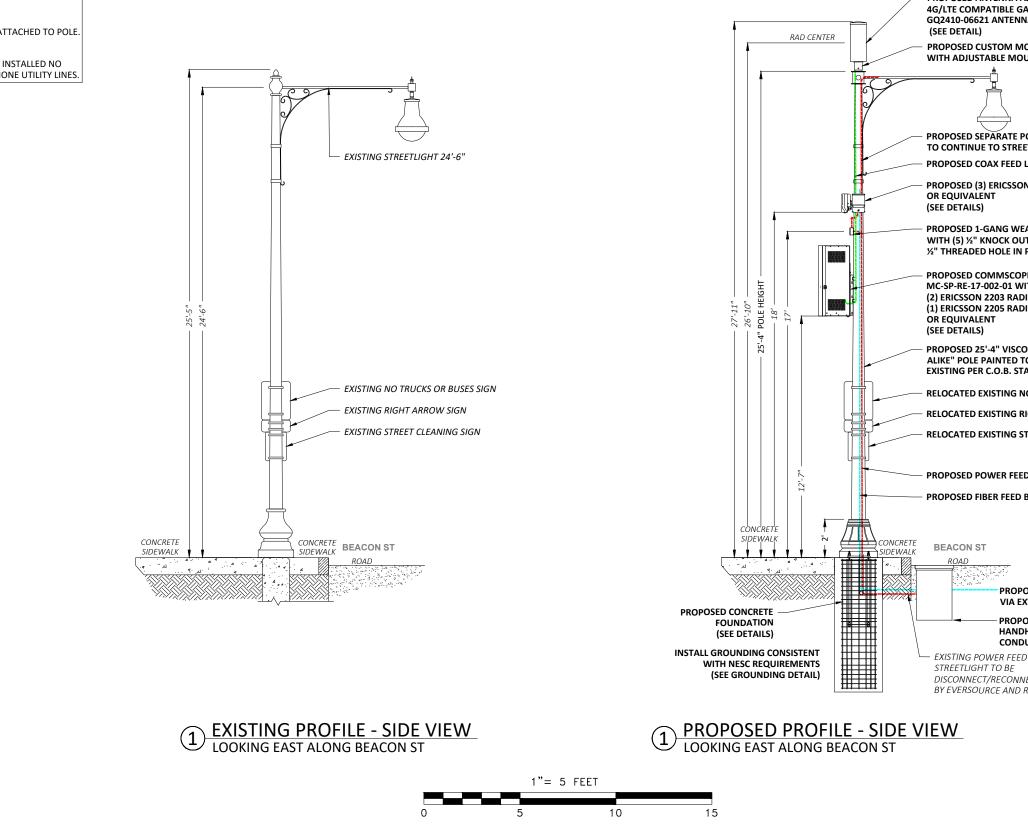
NOTE 2: PROPOSED FIBER TO BE INSTALLED BY OTHERS.

NOTE 3: PROPOSED EQUIPMENT TO BE PAINTED TO BLEND WITH POLE.

NOTE 4: FCC MANDATED SIGNAGE TO BE ATTACHED TO POLE.

NOTE 5: PROPOSED EQUIPMENT SHALL BE INSTALLED NO HIGHER THAN 30" BELOW TELEPHONE UTILITY LINES. NOTE: REPLACE EXISTING POLE WITH NEW 25'-4" STEEL "LOOK ALIKE" POLE

ABSOLUTELY NO FIELD CUTTING OR CORING OF METAL POLES TO BE ALLOWED



	PLANS PREPARED FOR:
	EXTERNET YOUR NETWORK. SYSTEMS
	PLANS PREPARED BY:
	SYNERGETIC Innovative Thinking. Engineered So 21 OXFORD RD MANSFIELD, MA 02048 www.ucseng.com 1-508-337-7600
PROPOSED ANTENNA ASSEMBLY WITH 4G/LTE COMPATIBLE GALTRONICS GQ2410-06621 ANTENNA (SEE DETAIL)	
PROPOSED CUSTOM MOUNTING BRACKET WITH ADJUSTABLE MOUNTING PLATE	LOCATION:
	CHARLES GATE E @ BEACON ST
<u> </u>	BOSTON, MA 02215
	SUFFOLK COUNTY
PROPOSED SEPARATE POWER TO CONTINUE TO STREET LIGHT	P.E. STAMP AREA:
PROPOSED COAX FEED LDF4-50A(1/2")	
PROPOSED (3) ERICSSON AIR 1281 OR EQUIVALENT (SEE DETAILS)	
PROPOSED 1-GANG WEATHERPROOF BOX WITH (5) ½" KNOCK OUTS ATTACHED TO ½" THREADED HOLE IN POLE	
PROPOSED COMMSCOPE SHROUD MC-SP-RE-17-002-01 WITH (2) ERICSSON 2203 RADIOS AND (1) ERICSSON 2205 RADIO	
(SEE DETAILS)	DRAWING NOTES:
PROPOSED 25'-4" VISCO STEEL "LOOK ALIKE" POLE PAINTED TO MATCH EXISTING PER C.O.B. STANDARDS	
RELOCATED EXISTING NO TRUCKS OR BUSES SIGN	
RELOCATED EXISTING RIGHT ARROW SIGN	ORIGINAL PLAN: AS NOTED
RELOCATED EXISTING STREET CLEANING SIGN	DRAWN BY: DC
	PLAN ORIG. DATE: 07/18/19
PROPOSED POWER FEED	REVISIONS:
PROPOSED FOWER FEED BY OTHERS	REV DESCRIPTION BY DATE 1 NEW NODE LOCATION EP 11/27/19
BEACON ST	
ROAD	
PROPOSED FIBER TO MANHOLE	
VIA EXTENET CONDUIT	SITE INFO: LAT: 42.350382
PROPOSED TRAFFIC RATED HANDHOLE VIA 3" EXTENET	LONG: -71.091518
CONDUIT - EXISTING POWER FEED TO	AT&T ID: mmBOS1049
STREETLIGHT TO BE	EXTENET NODE ID:
DISCONNECT/RECONNECTED BY EVERSOURCE AND REUSED	NE-MA-BSTN5G01-01049
IEW	CHARLES GATE E @ BEACON ST
	SHEET TITLE: POLE ELEVATIONS
	SHEET NUMBER:
	A-2

DRAWINGS NOTES:

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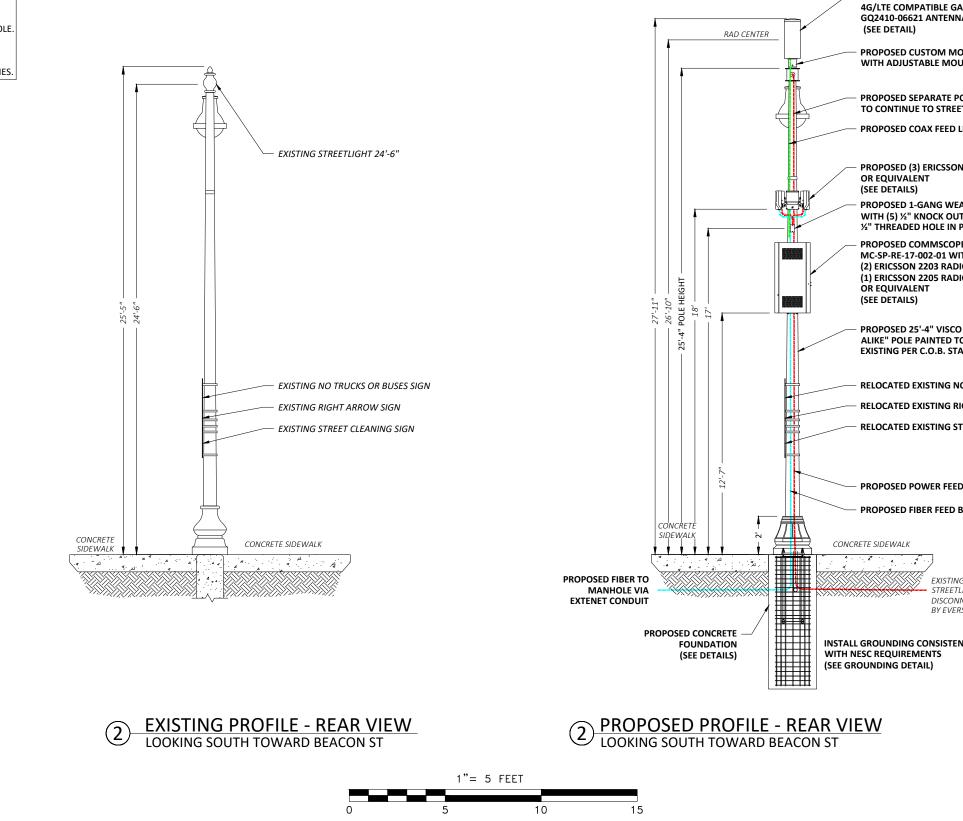
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ABSOLUTELY NO FIELD CUTTING OR CORING OF METAL POLES TO BE ALLOWED



	PLANS PREPARED FOR:
	EXTERNET YOUR NETWORK. EVERYWHERE.
PROPOSED ANTENNA ASSEMBLY WITH 4G/LTE COMPATIBLE GALTRONICS GQ2410-06621 ANTENNA	PLANS PREPARED BY: SYNERGETIC Innovative Thinking. Engineered Soutions 21 OXFORD RD MANSFIELD, MA 02048 www.ucseng.com 1-508-337-7600
(SEE DETAIL) PROPOSED CUSTOM MOUNTING BRACKET	
WITH ADJUSTABLE MOUNTING PLATE	LOCATION: CHARLES GATE E @ BEACON ST BOSTON, MA 02215
PROPOSED SEPARATE POWER TO CONTINUE TO STREET LIGHT PROPOSED COAX FEED LDF4-50A(1/2")	SUFFOLK COUNTY
	P.E. STAMP AREA:
PROPOSED (3) ERICSSON AIR 1281 OR EQUIVALENT (SEE DETAILS) PROPOSED 1-GANG WEATHERPROOF BOX	
WITH (5) ½" KNOCK OUTS ATTACHED TO ½" THREADED HOLE IN POLE PROPOSED COMMSCOPE SHROUD	
MC-SP-RE-17-002-01 WITH (2) ERICSSON 2203 RADIOS AND (1) ERICSSON 2205 RADIO OR EQUIVALENT (SEE DETAILS)	
PROPOSED 25'-4" VISCO STEEL "LOOK ALIKE" POLE PAINTED TO MATCH EXISTING PER C.O.B. STANDARDS	DRAWING NOTES:
RELOCATED EXISTING NO TRUCKS OR BUSES SIGN	
RELOCATED EXISTING RIGHT ARROW SIGN	- ORIGINAL PLAN:
RELOCATED EXISTING STREET CLEANING SIGN	SCALE: AS NOTED
	DRAWN BY: DC PLAN ORIG. DATE: 07/18/19
	REVISIONS:
PROPOSED POWER FEED	REV DESCRIPTION BY DATE 1 NEW NODE LOCATION EP 11/27/19
PROPOSED FIBER FEED BY OTHERS	
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existing power feed to	
STREETLIGHT TO BE DISCONNECT/RECONNECTED BY EVERSOURCE AND REUSED	SITE INFO: LAT: 42.350382
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ESC REQUIREMENTS OUNDING DETAIL)	mmBOS1049 Extenet node ID:
	NE-MA-BSTN5G01-01049 SITE ADDRESS:
EW	CHARLES GATE E @ BEACON ST
	POLE ELEVATIONS
	A-3

AIR 1281

General

OOB Spurious Emission Number of beams Max total EIRP OBW IBW

Interface

Fronthaul IF	C1 CPRI, 10 and 25Gbps
Power Supply	100-250VAC, -48VDC
Typ. Power Consumption	< 150 W

FCC and 3GPP compliant

4x400MHz, 2x800MHz,

56/53 dBm

Full band

400/800 MHz

Mechanical

Installation type	Pole/Wall/Strand mounted
Dimensions	~270x200x130
Weight	8.4 kg
Operating temperature	-40°C to +55°C
IP Class	IP65



CHARLES GATE E @ BEACON ST BOSTON, MA 02215 SUFFOLK COUNTY PE. STAMP ABEA: ORGINAL PLAY: PE. STAMP ABEA: ORGINAL PLAY: DRAWING NOTES: DRAWING NOTES: </th <th>X</th> <th></th> <th>PLANS PREPARED B PLANS PREPARED B PLANS PREPARED B PLANS PREPARED B PLANS PREPARED B PLANS PREPARED B</th> <th>Y: Thinking. Cord RD D, MA 0204</th> <th>ETIC Engineered Souti 8</th>	X		PLANS PREPARED B PLANS PREPARED B PLANS PREPARED B PLANS PREPARED B PLANS PREPARED B PLANS PREPARED B	Y: Thinking. Cord RD D, MA 0204	ETIC Engineered Souti 8
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ERICSSON AIR 1281 ANTENNA INTEGRATED RADIO D-1	ERICSSON AIR 1281 ANTENNA INTEGRATED RADIO		SHEET NUMBER: -		
	SCALE: NOT TO SCALE	1		-	



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

GQ2410-06621

Description:

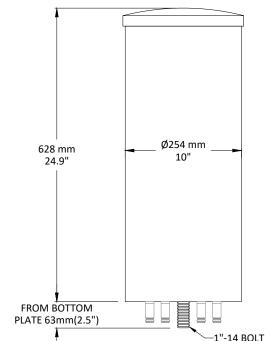
- Pseudo Omni Canister Antenna for Outdoor DAS and Small Cells.
- 4x ports for AWS/PCS/WCS Band 1695-2360 MHz
- 4x ports for CBRS Band 3550-3700 MHz
- 2x ports for UNII Band 5150-5925 MHz*

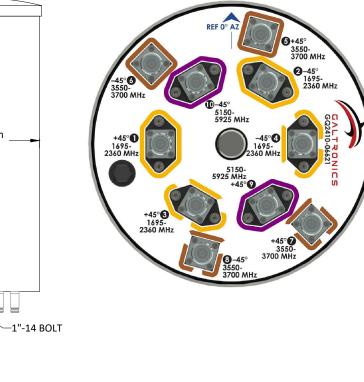


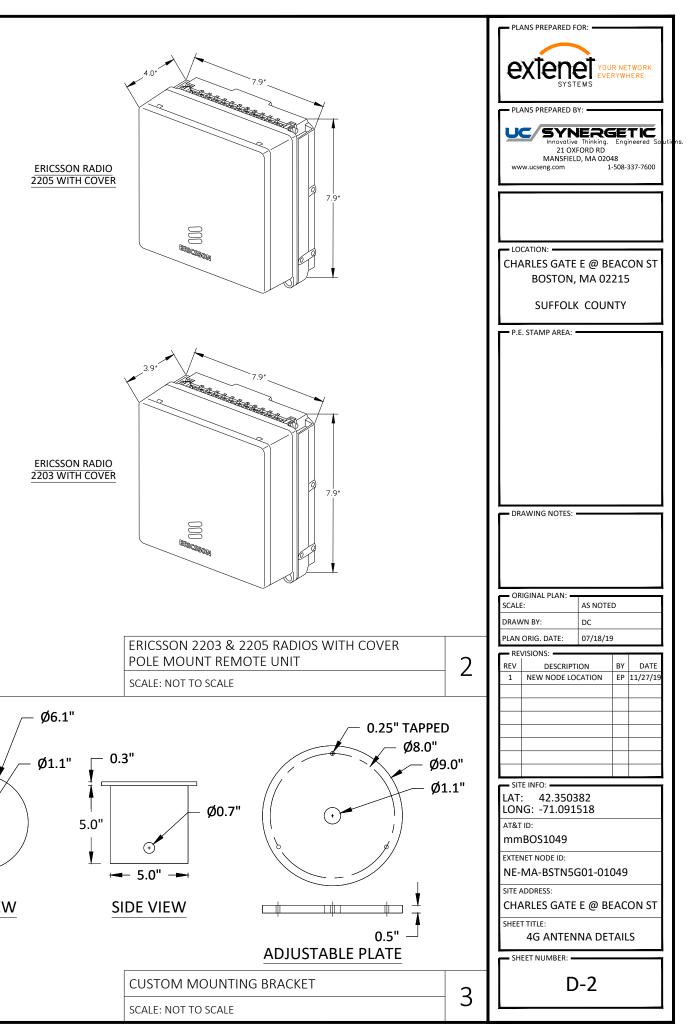


GALTRONICS GQ2410-06621 ANTENNA

SCALE: NOT TO SCALE



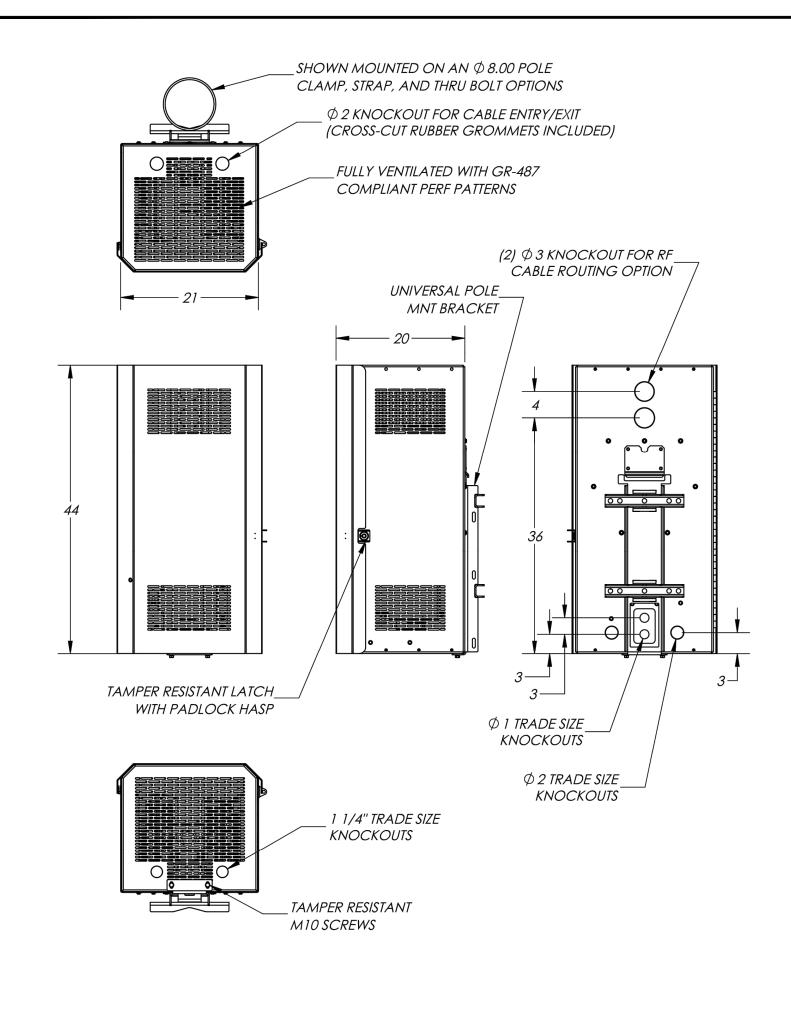


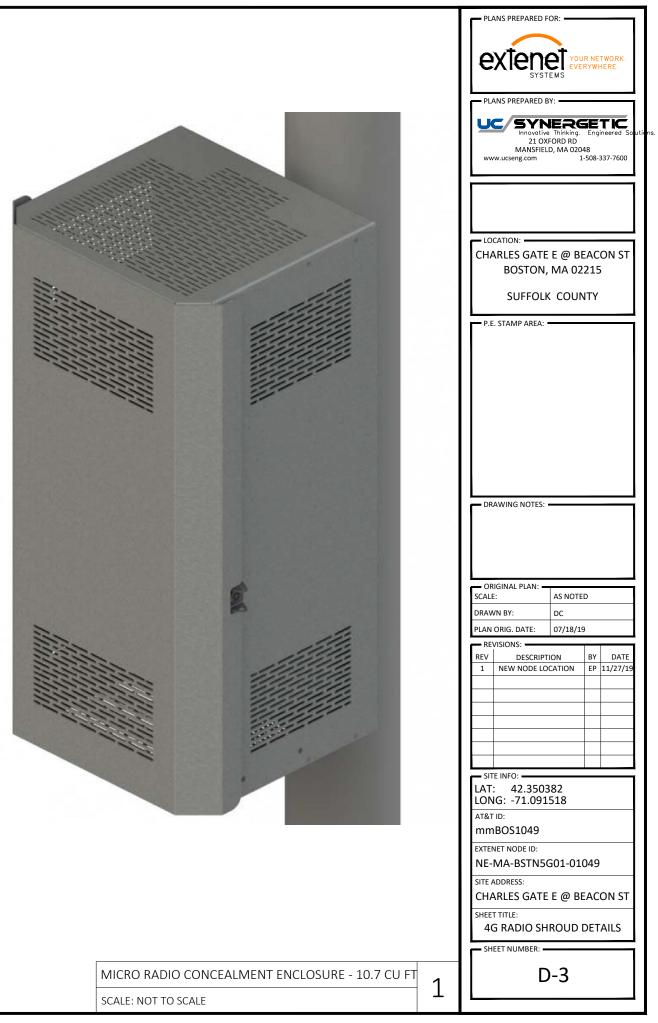


TOP VIEW

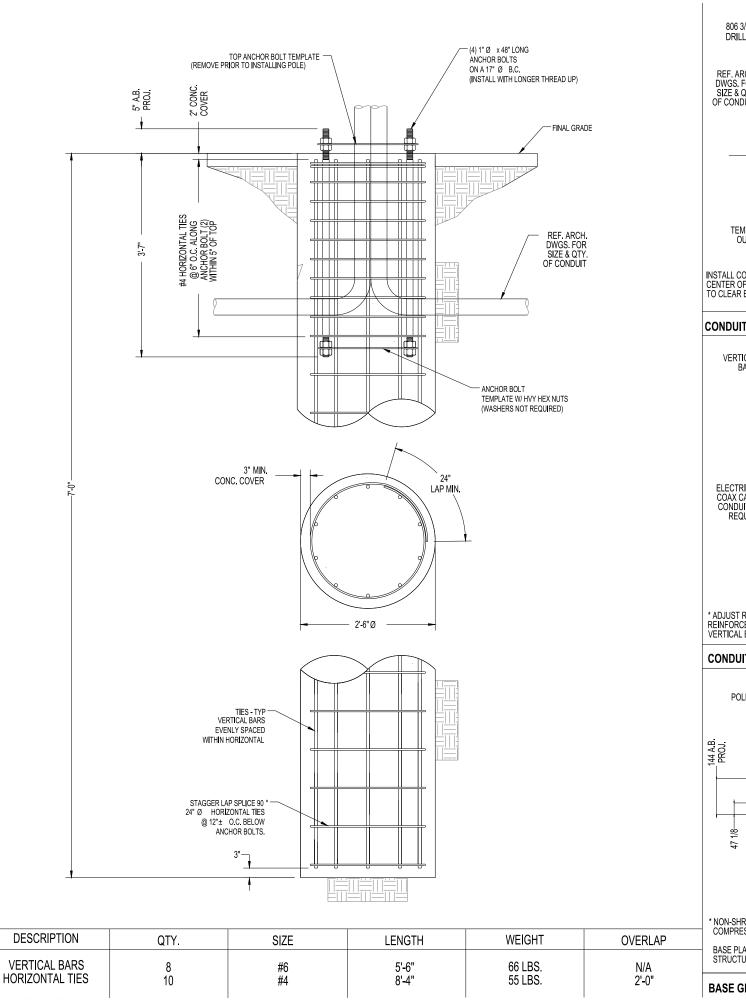
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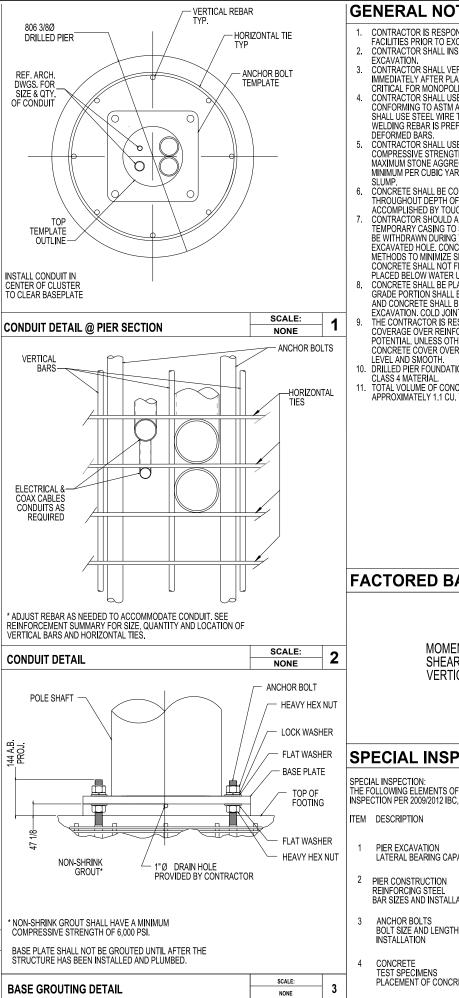
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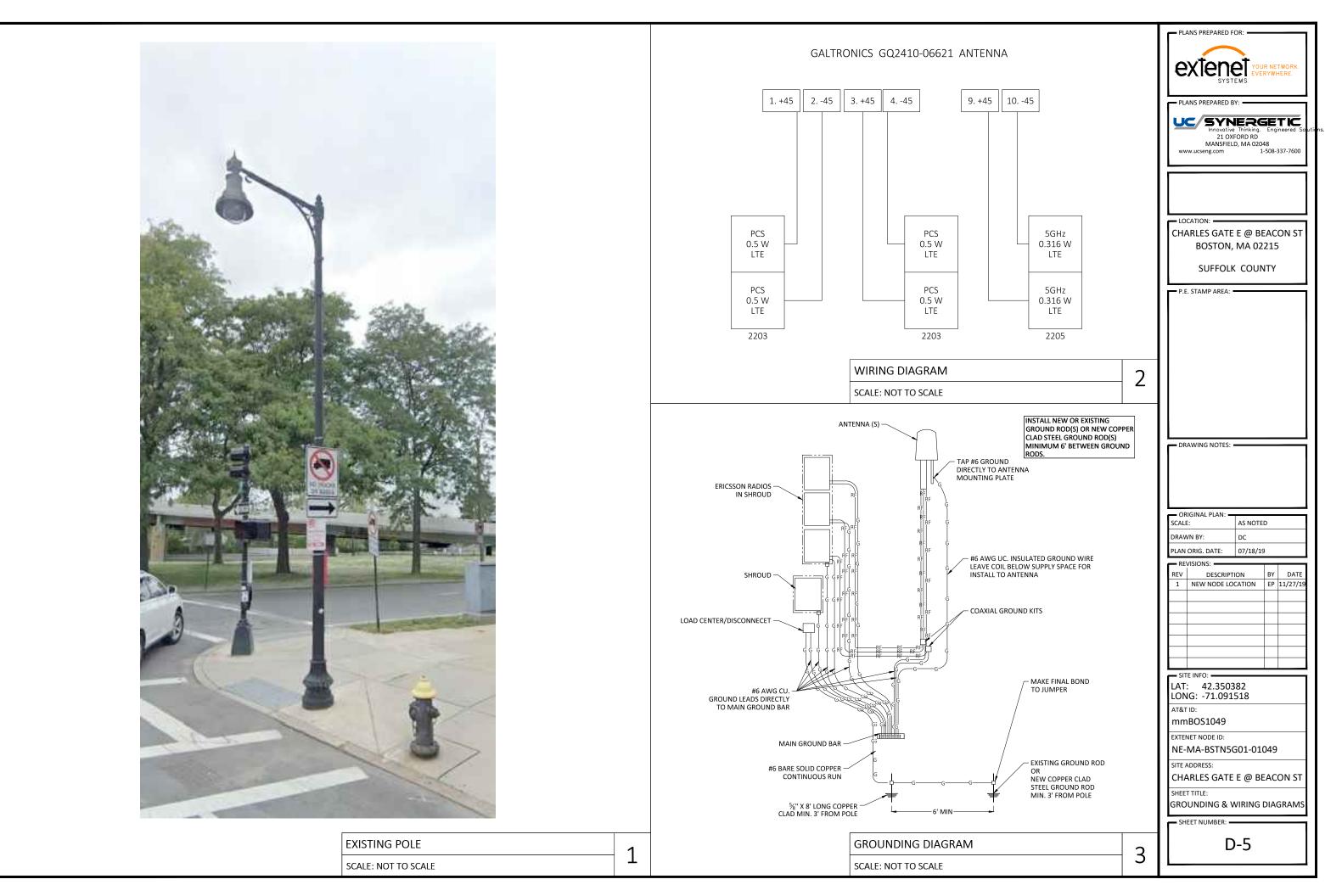


MICRO RADIO CONCEAL
SCALE: NOT TO SCALE





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ENT R ICAL PECT PECT PECTY	= 30.9 ft- = 2.46 kip = 1.67 kip IONS JCTION SHALL REQUIRE 1704 NSPECTION BY SOILS ENGINEER SPECIAL INSPECTOR	kips DS DS SPECIAL MATERIAL 300 PSF/FT LATERAL ASTM A615 GR. 60	CHA	IGINAL PLAN:	AS NOTE DC 07/18/11 PTION OCATION 0382 1518 5G01-01 E E @ BI TION DE	9 BY EP 11 	/27/19
ENT R ICAL PECT OF CONSTRU C, SECTION I PACITY LATION	= 30.9 ft- = 2.46 kip = 1.67 kip IONS ICTION SHALL REQUIRE 1704 NSPECTION BY SOILS ENGINEER SPECIAL INSPECTOR SPECIAL	kips)S SPECIAL MATERIAL 300 PSF/FT LATERAL ASTM A615 GR. 60 ASTM F1554	CHA	IGINAL PLAN:	AS NOTE DC 07/18/11 PTION OCATION 0382 1518 5G01-01 E E @ BI TION DE	9 BY EP 11 	/27/19



	1.1 ACCESS
1. <u>General Provisions</u> 1.1. <u>General Provis</u>	1.1 NALESS 1. COORINATE WITH THE SITE OWNER AND/OR LOCAL JURISDICTION REGARDING THE CONSTRUCTION SCHEDULE & SITE ACCESS, ENSURE THAT THE OWNER OF PARENT PARCEL IS NOTIFIED IN WRITING OF CONSTRUC
1. THE INTENTION OF THESE DOCUMENTS IS TO SHOW THE COMPLETE INSTALLATION AND TO INCLUDE ALL LABOR AND MATERIALS REASONABLY NECESSARY, WHETHER OR NOT SPECIFICALLY INDICATED, FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK AS STIPULATED IN THE CONTRACT. THE INTENT	2. THE CONTRACTOR SHALL COORDNATE ALL SPECIAL CONSIDERATIONS OF CONSTRUCTION SUCH AS NOISY OPERATION, INTERRUPTION OF ANY MECHANICAL AND/OR ELECTRICAL SERVICES, MATERIAL DELIVER OWNERS REPRESENTATIVE AND/OR LOCAL JURISDICTION TRIORIO TO THE START OF WORK.
OF THESE DOCUMENTS IS NOT TO DESIGNATE THE MEMAS AND METHODS OF PROCEDURE OF THE WORK, THE CONTRACTORS SHALL SUPERVISE AND COORDINATE ALL WORK, USING THEIR PROFESSIONAL KNOWLEDGE AND SKILLS. THEY ARE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNICURES, PROCEDURES, SECURITING OF ALL PROFESSIONAL KNOWLEDGE AND SKILLS. THEY ARE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNICURES, PROCEDURES, SECURITING OF ALL PROFESSIONAL KNOWLEDGE AND SKILLS. THEY ARE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNICURES, PROCEDURES, SECURITING OF ALL PROFESSIONAL KNOWLEDGE AND SKILLS. THEY ARE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNICURES, PROCEDURES, SECURITING OF THE WORK, USERS THE CONSTRUCT.	OWNER'S REPRESENTATIVE, AND/OR LOCAL JURSUICTION PROOF TO THE START OF WORK. 3. CONTRACTOR SHALL COORDINATE WITH A PROPERTY OWNER REPRESENTATIVE, THE TEMPORARY REMOVAL OF FENCE, LANDSCAPING & ANY EXPECTED DAMAGE TO ACCESS ROAD OR ADJACENT REPAIR OF PROPER
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITION OF THE FOLLOWING CODES, STANDARDS, AND SUPPLEMENTS:	4. THE CONTRACTOR SHALL COORDINATE WORK HOURS & STAGING RAREAS WITH PROPERTY OWNER, PROPERTY OWNER; REPRESENTATIVE, AND/OR LOCAL JURISDICTION.
RULES AND SPECIFICATIONS FOR EXCAVATION ACTIVITY WITHIN THE CITY OF BOSTON	5. CONTRACTOR TO NOTIFY PROPERTY OWNER OF THE CONSTRUCTION START DATE WELL IN ADVANCE OF CONSTRUCTION.
IBC: INTERNATIONAL BUILDING CODE ACI: AMERICAN CONCENT: INTERNATIONAL BUILDING CODE ACI: AMERICAN CONCENT: INSTITUTE	1.2 SITE MANTERNANCE 1. REMOVE STAINING OR REACTIVE MATERIALS FROM NEW AND EXISTING SURFACES IMMEDIATELY. REMOVE HAZARDOUS ACCUMULATIONS OF DEBRIS PROMPTLY. AT LEAST DAILY. CONFINE DUST PRODUCING OPER
Also Autority of Stell Construction Specifications	1. REMOVE STAINING OR REACTIVE MATERIALS FROM NEW AND EXISTING SUPFACES IMMEDIATELY. REMOVE HAZARDOUS ACCUMULATIONS OF DEBRIS PROMPTLY, AT LEAST DAILY. CONFINE DUST PRODUCING OPER OVER SPRAYING PARTN PARKING AREA. VACUUM IMMEDIATELY AFTER COMPLETION.
IEEE - INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS	2. THERE SHALL NOT BE ANY CREATION OF NOISE OUTSIDE THE NORMAL HOURS MANDATED BY THE LOCAL JURISDICTION AND THE PROPERTY OWNER OR OWNER'S REPRESENTATIVE, UNLESS OTHERWISE A
NEC - NATIONAL ELECTRICAL CODE	REPRESENTATIVE. NOISE SHOULD BE KEPT TO A MINIMUM THROUGHOUT CONSTRUCTION. 3. NOISE AND EXISTING BUILDING STRUCTURE VIBRATION GENERATED BY THE CONSTRUCTION PROCEDURES, EQUIPMENT, TOOLS AND OPERATIONS ARE TO BE KEPT TO A PRACTICABLE MINIMUM. WHERE USE OF HIG
KeSc-NATIONAL ELECTRICAL SAFETY CODE UL-UNDERWITTERS LADGATORIES	MANDATED BY THE LOCAL JURISDICTION AND THE PROPERTY OWNER OR OWNER'S REPRESENTATIVE, UNLESS OTHERWISE AGREED UPON WITH THE LOCAL JURISDICTION AND PROPERTY OWNER OR OWNER'S REPR
NSPC - NATIONAL STANDARD PLUMBING CODE	4. THE CONTRACTOR IS TO PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 2-A OR 2 ABC WITHIN 75FT OF TRAVEL TO ALL PORTIONS OF THE CONSTRUCTION AREA.
IMC - INTERNATIONAL MECHANICAL CODE	 THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A NEAT AND ORDERLY SITE; VARD AND GROUNDS, ERMOVE AND DISPOSE, LEGALLY OFF SITE, ALL RUBBISH, WASTE MATERIALS, LITTER, AND ALL FOREION SUD RAKE GROUNDS TO A MOOTH EVENT-EXTURED SURFACEAT PROJECT COMPETION, REMOVE TEMPORARY SERVICES, CONSTRUCTION EQUIPMENT, TOOLS AND AGAILITES, MOCKUPS, TEMPORARY SERVICES, CONSTRUCTION EQUIPMENT, TOOLS AND AGAILITES, MOCKUPS, TEMPORARY SERVICES, CONSTRUCTION EQUIPMENT, TOOLS AND AGAILITES, MOCKUPS, TEMPORARY SERVICES, CONSTRUCTIONS EQUIPMENT, TOOLS AND AGAILITES, MOCKUPS, TEMPORARY SERVICES, CONSTRUCTION EQUIPMENT, TOOLS AND FACILITES, MOCKUPS, TEMPORARY SERVICES, CONSTRUCTION EQUIPMENT, TOOLS AND FACILITES, MOCKUPS, TEMPORARY SERVICES, CONSTRUCTION EQUIPMENT, TEMPORARY SERVICES, CONSTRUCTURES, TEMPORARY SERVICES, CONSTRUCTURES, SUBJECT AND ALL FORMARY SERVICES, SUBJECT AND AND ALL FORMARY SERVICES, SUBJECT AND AND AND AND AND AND AND AND AND AND
IFPA - NATIONAL FIRE PROTECTION ASSOCIATION	SITE IN NEAT, CONDITION, READY FOR USE, LEAVE ROOF AREAS, PIPE SPACES AND OTHER SPACES CLEAN AND FREE FROM DEBRIS ON A DAILY BASIS. 2. THE SITE ANDOR BUILDING SECURITY SPALLE BMAINTAINED AT ALL THES DURING CONSTRUCTION IN ORDER TO PREVENT INAUTHORIZE DEPERSIONS FROM ENTERING THE PREMISES. EXISTING AND NEW EQUIPMEN
OSH4 - OCCUPATIONAL SAFETY MD HEALTH ADMINISTRATION ANSI'RAT - RECOMMUNICATION SINDISTRY ASTOCIATION 224 OSTADARD ANSI'RAT - RECOMMUNICATION SINDISTRY ASTOCIATION - 224 OSTADARD	2. THE 3 TE AND/OR BUILDING SECURITISTALL DE MAINTAINED AT ALL TIMES DURING CONSTRUCTION IN ORDER TO PREVENT UMAUTHORIZED PERSONS FROM ENTERINGS THE PREMISES. EXISTING AND NEW EQUIPMENT CONSTRUCTION.
ALL GOVERNING STATE, COUNTY AND LOCAL CODES AND ORDINANCES	3. THE TENANT'S INGRESS AND EGRESS OF THE SITE AND/OR BUILDING SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
THE MOST STRINGENT CODE WILL APPLY IN THE CASE OF DISCREPANCIES OR DIFFERENCES IN THE CODE REQUIREMENTS.	4. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO MAINTAIN POLLUTION CONTROL, COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION, AND PROMPTLY REMOV
3. THE ENGINEERING DRAWINGS SHOW PRINCIPAL AREAS WHERE WORK MIST BE ACCOMPLISHED UNDER THIS CONTRACT. INCIDENTAL WORK MAY ALSO BE NECESSARY IN AREAS NOTS HOWN ON THE ENGINEERING DRAWINGS DUE TO CHANGES AFFECTING EXISTING ELECTRICAL OR OTHER SYSTEMS. SUCH INCIDENTAL WORK MAY ALSO BE NECESSARY IN AREAS NOTS HOWN ON THE ENGINEERING DRAWINGS DUE TO CHANGES AFFECTING EXISTING ELECTRICAL OR OTHER SYSTEMS. SUCH INCIDENTAL WORK MAY ALSO BE NECESSARY IN AREAS NOTS HOWN ON THE ENGINEERING DRAWINGS DUE TO CHANGES AFFECTING EXISTING ELECTRICAL OR OTHER SYSTEMS. SUCH INCIDENTAL WORK MAY ALSO BE NECESSARY IN AREAS NOT SHOW TO CHANGES AFFECTING EXISTING ELECTRICAL OR OTHER SYSTEMS. SUCH INCIDENTAL WORK MAY ALSO BE NECESSARY IN AREAS NOT SHOWN ON THE ENGINEERING DRAWINGS DUE TO CHANGES AFFECTING EXISTING ELECTRICAL OR OTHER SYSTEMS. SUCH INCIDENTAL WORK MAY ALSO BE NECESSARY IN AREAS AND ASCREDE TO DATA TORIS IN ACCORDANCE WITH THE CONTRACT HER OWNER AND ADDITIONAL COST TO THE OWNER.	2 <u>DEMOLITION AND EXISTING STRUCTURAL ALTERATION</u> 11 DEMOLITION SPECIFICS
4. DO NOT ESTIMATE DESIRED MEASUREMENTS BY MEASURING DRAWINGS. ALL SHOWN DIMENSIONS TAKE PRECEDENCE OVER SCALING.	1. GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR SHORING, BRACING, PROVIDING LATERAL SUPPORT, AND FOR MAINTAINING THE INTEGRITY OF THE EXISTING STRUCTURE DURING ALL PHASES OF THE DEMC
5. MINOR DEVIATIONS FROM THE DESIGN LAYOUT ARE ANTICIPATED AND SHALL BE CONSIDERED AS PART OF THE WORK. HOWEVER, NO CHANGE THAT ALTERS THE OBJECTIVE AND INTENT OF THE DESIGN WILL BE MADE OR PERMITTED BY THE OWNER WITHOUT A CHANGE ORDER.	SHOP DRAWINGS, BY A REGISTERED PROFESSIONAL ENGINEER, FOR THE SHORING OF ALL WALLS, BEAMS, SLABS, ROOT JOISTS, OR OTHER ELEVATED STRUCTURAL ITEMS, THAT ARE HAVING SUPPORT NOTED FOR D 2. ANY DAMAGE DUE TO DEVOLUTION, OR OTHER CONSTRUCTION ACTIVITIES, DONE TO ANY EXISTING SUPRACE TO REASON BALL BER REPARTED TO MARCH EXISTING AT NO ADDITIONAL COST TO THE OWNER.
6 GENERAL CIVIL STRUCTURAL, ELECTRICAL, AND ANTENNA DRAWINGS ARE INTERPRETATED. IN PERFORMANCE OF THE WORK, EACH CONTRACTOR MUST REFER TO ALL DRAWINGS. ALL COORDINATION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. 7 THE GENERAL NOTES CONTAINED HEREIN REF PART OF THE PARKS AND BEFERICATIONS, ADD ARE TO BE CONFIGURATE TO A THE CONTRACTOR THAT AND	1.2 CUTTING & PATCHING
A the descence invited outmaked there and a second seco	1. DO NOT DRILL OR CUT EXISTING FLOOR JOISTS, BEAMS, COLUMNS OR OTHER STRUCTURAL ELEMENTS UNLESS SPECIFICALLY INDICATED. DRILL SLABS WHERE APPROVED. CORE DRILL CIRCULAR OPENINGS THRO
8. ALL GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENT TO BE USED IN CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN OTHERWISE.	PROPER SIZE FOR CONJUT, DUCTS, PIPES AND OTHER TEMS PASSING THROUGH OPENINGS. MAKE ALL NEW HOLES OR OPENINGS WEATHER TIGHT AND/OR FIRE SAFE AS REQUIRED BY LOCA BUILDING CODES A OP 2, WHERE CUTTING OF EXSTING SUPERACES OR REMOVAL OF EXSTING FINISHES IS REQUIRED TO PERFORM THE WORK WHERE THIS CONTRACT HAU A HAVE HEALTHING POPENINGS.
9 REPRESENTATION OF THE TRUE NORTH OTHER THAN THOSE FOUND ON THE PLOT OF THE SURVEY DRAWING SHALL NOTE ELED TO JEDITIFY OR ESTABLISH THE BEARING OF THE TRUE NORTH AT THE STE THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF THE SURVEY DRAWING SHALL NOTE HE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF THE SURVEY DRAWING SHALL NOTE HE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF THE SURVEY DRAWING SHALL NOTE HE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF THE SURVEY DRAWING SHALL NOTE HE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF THE SURVEY DRAWING SHALL NOTE HE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF THE SURVEY DRAWING SHALL NOTE HE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF THE SURVEY DRAWING SHALL NOTE HE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF THE SURVEY DRAWING SHALL NOTE HE CONTRACTOR SHALL RELY SOLELY ON THE REVIEW THE VARIANT SHALL SOLE THE CONTRACTOR SHALL RELY SOLELY ON THE REVIEW THE VARIANT SHALL SOLE SURVEY DRAWING SHALL NOTE HE CONTRACTOR SHALL RELY SOLELY ON THE REVIEW THE VARIANT SHALL SOLE SURVEY DRAWING SHALL NOTE HE CONTRACTOR SHALL RELY SOLELY ON THE REVIEW THE VARIANT SHALL SOLE SURVEY DRAWING SHALL THE THE REVIEW THE VARIANT SHALL SOLE SURVEY DRAWING SHALL THE THE REVIEW THE REVIEW THE VARIANT SHALL SOLE SURVEY DRAWING SHALL THE THE REVIEW TH	EXISTING SURFACES
SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LABILITY FOR MAY FAILURE TO NOTIFY THE ENGINEER.	3. EXCEPT IN SPACE WHERE NO WORK UNDER THIS CONTRACT IS REQUIRED, ENCLOSE EXISTING AND NEW CONDUITS, DUCTS, PIPES, AND SIMILAR ITEMS IN FURING WHERE SUCH ITEMS PASS THROUGH FINISHED SPA
10. THE CONTRACTOR SHULL USE ADEGUATE NUMBERS OF SAILLED WORKMEN WHO ARE THOROUGHLY TANNED AND EXPERIENCED IN THE NECESSARY CRAFTS, AND WHO ARE COMPLETELY FAMILAR WITH THE SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.	4. REPAIR, PATCH, FINISH AND/OR REFINISH AS APPLICABLE TO MATCH ADJACENT EXISTING FINISHES. MAY EXISTING SURFACES DAMAGED OR NEW PROPOSED SURFACES DAMAGED DURING PERFORMANCE OF THE WC 5. REPAIR ALL METAL SURFACES THAT HAVE BEEN CUT OR DIMAGED BY REMOVING ANY EXISTING RUST AND APPLIVING CUD GALVANATION.
NOT LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR FURTHER AGREES TO INDEMNIFY AND HOLD THE DESIGN ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT.	S. REPAR ALL ME AL SUMPALES INTEL INTELES INTEL INTELES UN DE REMOVING ANT EASI ING RUSI AND APPLING USU GALVANIZATUR. 3. <u>STER WORK</u>
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS, SUCH AS OSHA COMPLIANCE, DURING THE PROGRESS OF WORK. THE ENSINEER WILL NOT ADVISE NOR PROVIDE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.	3.1 CLEARING AND GRUBBING
13. SAFETY MEETINGS SHALL TAKE PLACE EVERY MORNING BEFORE THE WORK DAY BEGINS. 14. THE CONTRACTOR SHALL SASK DROMBILITY FOR THE SECURITY OF THE SITE UNTIL COMPLETION OF THE CONSTRUCTION.	1. CLEARING 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 DAMAGES TO PROPERTY OUTSID EXPENSE.
IN THE CONTRACTOR STRUCT ASSUME CONFLICT RESPONDENT TO THE SECOND OF THE STRUCTURE CONTINUE LINE OF THE STRUCTURE CONTINUE L	2. THE CONTRACTOR SHALL PROTECT EXISTING TRESS, VEGETATION, LANDSCAPING, MATERIALS AND SITE IMPROVEMENTS NOT SCHEDULED FOR CLEARING OR REMOVAL WHICH MIGHT BE DAMAGED BY CONSTRUCTION
16. THE CONTRACTOR IS INSTRUCTED TO COOPERATE WITH MAY 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.	3. TRIM EXISTING TREES AND VEGETATION AS RECOMMENDED BY THE ARBORIST FOR PROTECTION DURING CONSTRUCTION.
17. THE CONTRACTOR 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 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 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 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 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.	4. CLEAR AND GRUB STUMPS, VEGETATION, DEBRIS, RUBBISH, DESIGNATED TREES REQUIRED FOR THE SITE IMPROVEMENT. 5. STEID AND STOYCHINE TOORCH
18. THE CONTRACTOR SHULL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS. 19. EACH CONTRACTOR IS RESPONSIBLE FOR PULLING BUILIDING PERMITS.	5. STRIP AND STOCKPILE TOPSOIL. 6. PROTECT TEMPORARILY ADJACENT PROPERTY, STRUCTURES, BENCHMARKS, AND MONUMENTS.
OBTAINING AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATIONS, ETC. PRIOR TO BEGINNING WORK.	7. MARK DESIGNATED TREES AND VEGETATION DURING CONSTRUCTION ACTIVITIES.
20. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AMPLE NOTICE TO THE BUILDING INSPECTION DEPARTMENT TO SCHEDULE THE REQUIRED INSPECTIONS. A MINIMUM OF 48 HOURS OF NOTICE SHOULD BE GIVEN TO AUTHORITIES. AN EXTENSION IN THE CONTRACT SCHEDULE WILL NOT BE GRANTED DUE TO DELAY CAUSED BY MSPECTIONS.	8. PROVIDE TEMPORARY EROSION CONTROL, SILTATION CONTROL AND DUST CONTROL.
21. EACH CONTRACTOR IS RESPONSIBLE FOR APPLICATION AND PAYMENT OF CONTRACTOR LICENSES, BONDS AND INSURANCES. DOCUMENTATION SHALL BE PROVIDED TO THE OWNER PRIOR TO WORK.	9. REMOVE AND LEGALLY DISPOSE OF CLEARED MATERIALS. 3.2 EXCAVATION AND BACKFILL
22. A COPY OF THE APPROVED PLANS SHALL BE KEPT IN A PLACE SPECIFIED BY THE COVERING AGENCY, AND BY LWINE & AVAILABLE FOR INSPECTION AT ALL TIMES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL CONSTRUCTION SETS REFLECT THE SAME INFORMATION AS THE APPROVED PLANS. THE CONTRACTOR'S SHALL ASJO MANTIAN ONE SET OF PURPOSE OF DOCUMENTING ALL ASSULTS, CHANGES, REVENSIONS, ADDENDA OF CHANGE CORERS.	3 2 ELASTING AND BALAFILE 1. ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF-SITE AT A LOCATION APPROVED BY GOVERN
CONTINUE OF SPREL ASSO MAIN ARE ONES OF UP PORTING AND ASSOCIES OF DOCUMENTA AND AND AND AND AND AND AND AND AND AN	2. BROKEN PAVEMENT, STONES GREATER THAN THREE (3) INCHES IN DIAMETER, ROOTS AND OTHER DEBRIS SHALL NOT BE USED IN BACKFILL. NO MATERIAL SHALL BE LEFT IN THE PUBLIC RIGHT-OF-WAY ONCE WORK H
24. THE CONTRACTOR IS TO CONTACT BOTH LOCAL POWER AND TELEPHONE UTILITY COMPANIES BEFORE CONSTRUCTION BEGINS TO ORDER SERVICE, OBTAIN AND PAY ALL FEES ASSOCIATED WITH THE CONSTRUCTION, SCHEDULE INSTALLATION OF SERVICE, COORDINATE CONDUIT RUN/TERMINATION POINTS	3. EXCAVATED MATERIAL SHALL BE REMOVED FROM THE WORK SITE AND DISPOSED OF IN A MANNER SUCH THAT INTERFERENCE WITH AND OBSTRUCTION TO VEHICULAR AND PEDESTRIAN TRAFFIC IS MINIMIZED.
AND GRIAN ANY FIELD MATERIALS THAT MAY BE SUPPLIED BY THE UTLITY COMPANIES AND INSTALLED BY THE CONTRACTORS. 25 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRANCING, SHORING, FERS, FORM WORK MAY THE FOR TECTION OF ALL WORK DURING CONSTRUCTION TO AVOID DAMAGE, COLLAPSE, DISTORTION, MISALIGNMENT AND ALTERATION OF EXISTING WARRANTES.	4. PRIOR TO BACKPILLING, THE CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION IF REQUIRED AND ALCUM ADEQUATE TIME FOR INSPECTION. 5. BACKPILLING 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-PREVENTABLE CONDITIONS, THE CONTRACTOR
28. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY POWER, WATER AND TOILET FACILITIES AS REQUIRED BY THE PROPERTY OWNER OR GOVERNING AGENCY.	MEASURES TO PROTECT PUBLIC SAFETY AND INFRASTRUCTURE UNTIL WORK COMMENCES.
27. THE CONTRACTOR SHALL MONITOR ALL EXISTING STRUCTURES DURING CONSTRUCTION.	6. UNDER NO CIRCUMSTANCES SHALL AN OPEN EXCAVATION BE LEFT UNATTENDED OVERNIGHT, UNLESS PROPERTY BARRICADED NA MANNER METING WITH APPROVAL FROM LOCAL JURISDICTION(S). 7. ALL PWEINENT BACKFLIL MATERIAL SHALL BE PROCESSED GRAVEL. PAVENENT BACKFLIL SHALL MEET THE SELECTED FULL STANDARDS AS SHOWN BELOW, UNLESS STRUCTER RECOURSENTS ARE MROSED BY TH
28. THE CONTRACTOR SHULL COORDINATE THE FINAL DIMENSIONS OF ANY TYPE OF STRUCTURAL LAYOUT WITH THE FOOTPRINT OF THE NEW EQUIPMENT BEFORE ORDERING ANY MATERIALS.	REQUIREMENTS OF THE LOCAL JURISDICTION, WHICHEVER IS MORE STRINGENT.
30. ALL MATERIALS MUST BE STORED ON A LEVEL AND DRY LOCATION AND IN A MANNER THAT WILL NOT OBSTRUCT THE FLOW OF OTHER WORK RELATED OR NOT RELATED TO THIS CONTRACT. ANY EQUIPMENT OR MATERIAL STORAGE MUST MEET ALL RECOMMENDATIONS OF THE MANUFACTURER. THE	SEVE DESIGNATION PERCENT PASSING 3 INCH 100
CONTRACTOR SHALL INSPECT THOROUGHLY ALL MATERIALS AND EQUIPMENT PRIOR TO FINAL INSTALLATION. DAMAGED EQUIPMENT OR MATERIALS SHALL NOT BE INSTALLED.	sincut i00 1-1/2/NCH 70-100
31. ALL MATERNAS SHALLB EN INTALLED PER I THE MANUFACTURERS INSTRUCTIONS. 22. EXCEPT FOR WARNING SIGNS SHOLTAS NOT RESPANSION AND SIGNS THAT STATE OWNERSHIP AND EMERGENCY TELEPHONE NUMBERS, NO SIGN SHALL BE LOCATED ON THE PROPERTY. EXISTING SIGNS WILL BE MAINTAINED AND PROTECTED.	3/4 INCH 50-85
33. ALL EQUIPMENT SHALL BE INSTALLED LEVEL AND PLUMB.	NO. 4 30-60
1.2 Existing conditions and structures	NO. 200 30-60 8. THE USE OF CONTROLLED DENSITY FILL (CDF) MAY BE MANDATED BY THE OWNER'S REPRESENTATIVE, GEOTECHNICAL REPORT RECOMMENDATION, OR BY THE LOCAL JURISDICTION. IF CONTROLLED DENSITY FIL
1. BEFORE BEGINNING WORK AT THE STE, THE CONTRACTOR SHALL INSPECT THE USITING PROPERTY OR BUILDING AND DETERMINE THE EXTENT OF EXISTING PRINIFIES, SPECIALTIES, SOUPMENT AND OTHER TENS WHICH MUST BE REMOVED AND REINSTALLED IN ORDER TO PERFORM THE WORK UNDER THIS CONTRACT. THE CONTRACTOR SHALL INSPECT THE USITING SHOLD EXTENSION AND DEVISIONS AND DEVISIONS AND EXISTING PRINIFIES, SPECIALTIES, SUPPORT ALLORED UET OFFERENCES BETWEENDESIONS AND DEVISIONS AND EXISTING SHOLD EXISTING PRINIFIES, SPECIALTIES, SUPPORT ALLORED UET OFFERENCES BETWEENDESIONS AND DEVISIONS AND EXISTING PRINIFIES AND EXIS	REPRESENTATIVE, GEOTECHNICAL REPORT RECOMMENDATIONS, OR THE REQUIREMENTS OF THE LOCAL JURISDICTION, WHICHEVER IS MORE STRINGENT.
WORK SHALL BE PERFORMED IN A WORKMANLKE MANNER IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES. 2 BY SUBMITTING A BID FOR THIS WORK, THE CONTRACTOR ACKNOWLEDGES THAT EN HAS TRANSOLITY AT HEAD AND ADDRESSTOOD THE CONSTRUCTION DOCUMENTS, VISITED THE SITE, AND IS FAMILIAR WITH THE CONDITIONS ENCOUNTERED AT THE SITE.	A. THE COF NOREDISTS SHALL COMPLY WITH THE FOLLOWING: I. PORTLANT CEMENT AASHTO M85
2.81 Solimi line A all role in solver, line Contract, line Contract, and the Answer Contract Reviewed and understand tractices line in the Man Transformer Contract, market and the Contract Reviewed and understand tractices line in the Contract Reviewed and understand tractices line int	L FURILIANI LEMENT AASHTO MASS II FLY ASH AASHTO MASS CLASS F
1 NO PLEA OF GNORANCE OF CONDITIONS THAT EXIST, OR OF DIFFICULTIES THAT MAY BE ENCOUNTERED OR OF ANY OTHER RELEVANT MATTER CONCERNING THE WORK TO BE PERFORMED WILL BE ACCEPTED AS A REASON FOR MY FAILURE OR OMISSION ON THE PART OF THE CONTRACTOR TO FULFIL THE	II. FINE AGGREGATE AASHTO M.4.02.02
REQUIREMENTS OF THE CONTRACT DOCUMENTS. 2.1 IS INDERSET NAT THE CONTRACTO ON SUBMITTING HIS BID, WARRANTS THAT HE HAS CAREFULLY EXAMINED THE SITE OF THE PROJECT TO BECOME ACQUIANTED WITH THE SURROUNDING PROPERTIES, THE MEANS OF APPROACH TO THE SITE, THE CONDITIONS OF THE ACTUAL JOB SITE.	W. AIR ENTRAINING ADMIXTURES: AASHTO M.4.02.05
THE FACILITIES FOR DELIVERING, STORING, PLACING, 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.	B. THE COF MUST MEET THE FOLLOWING RECUIREMENTS: L COMPRESSIVE STRENGTH AT 28 DAYS: 0.340 PPI (210-556/Pa)
3. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES HAVE NOT BEEN VERIFIED BY THE OWNER OR ITS REPRESENTATION. IS RESPONSIBLE FOR HAVING ALL UNDERGROUND UTILITIES LOCATED WITH THE LIMITS OF CONSTRUCTIONS AND ACCEPTS FULL RESPONSIBILITY FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR FALLURE TO BEFORE COMMENCING WORK.	I. COMPRESSIVE STRENGTH AT 90 DAYS: 100 PSI MAX. (700 kPa MAX.)
4. SHOULD ANY ERROR OR INCONSISTENCY APPEAR IN THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR, BEFORE PROCEEDING WITH THE WORK, MUST MAKE MENTION OF THE SAME TO THE ENGINEER AND OWNER FOR PROPER ADJUSTMENT AND IN NO CASE PROCEED WITH THE WORK IN UNCERTAINTY OR	ii. SLUMP: 10-12 INCHES (250-300 MM)
WITH INSUFFICIENT INSTRUCTION. 5. THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT THE SITE BEFORE ORDERING MAY MATERIALS OR DOING MAY WORK. NO EXTRA CHARGE OR COMPENSATION SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT THE SITE BEFORE ORDERING MAY MATERIALS OR DOING MAY WORK. NO EXTRA CHARGE OR COMPENSATION SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT THE SITE BEFORE ORDERING MAY MATERIALS OR DOING MAY WORK. NO EXTRA CHARGE OR COMPENSATION SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT THE SITE BEFORE ORDERING MAY MATERIALS OR DOING MAY WORK. NO EXTRA CHARGE OR COMPENSATION SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT THE SITE BEFORE ORDERING MAY MATERIALS OR DOING MAY WORK. NO EXTRA CHARGE OR COMPENSATION SHALL BE ALLOWED DUE TO DIFFERENCES BETWEEN ACTUAL DIMENSIONS AND	N. AIR: 1%-3% 9. THE PROJECT INCLUDES:
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	ROCK EXCAVATION WITHOUT BLASTING.
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INSTRUCTIONS. 7. PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL AREAS FROM DAMAGES WHICH MAY OCCUR DURING CONSTRUCTION ANY DAMAGES TO NEW OR EXISTING SURFACES, STRUCTURES, PROPERTY, SHRUBBERY, TREES, OR EQUIPMENT, SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE STRISPACTION OF THE PROPERTY OWNER. THE CONTRACTOR SHALL BEAR THE COST OF REPAIRING OR REPLACING ANY DAMAGED AREAS.	SUPPLY OF ADDITIONAL MATERIALS FROM OFF SITE AS REQUIRED. FILL VARIANT MATERIALS FROM OFF SITE AS REQUIRED. FILL VARIANT MATERIALS FROM OFF SITE AS REQUIRED. FILL VARIANT MATERIALS FROM OFF SITE AS REQUIRED.
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7. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BROTECT ALL AREAS FROM DAMAGES WHICH MAY OCCUR DURING CONSTRUCTION ANY DAMAGES TO NEW OR EXISTING SURFACES, STRUCTURES, PROPERTY, SHRUBBERY, TREES, OR EQUIPMENT, SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE EASTISFACTION OF THE PROPERTY OWNER: THE CONTINUCTION SHALL BEAR THE COSI OF REPAIRING OR REPLACING ANY DAMAGED AREAS. B. THE CONTRACTOR SHALL TAKE AL PRECAUTIONARY MEASURES AND EFFORTS TO PROTECT THE STRUCTURE, INTEGRITY OF EXISTING STRUCTURES, THE STRUCTURES, THE STRUCTURAL INTEGRITY AND STABILITY SHALL BE MONTORED AT ALL TIMES DURING EVERY PHASE OF THE CONSTRUCTION. 9. THE CONTRACTOR SHALL TAKE TO CONSTRUCTION SHALL BEAR THOUSING TO BE TROYED, AS JUDGED BY THE OWNER OR OWNERS REPRESENTATIVE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER SUPERVISION OF A LICENSED LAND SURVEYOR. 9. THE CONTRACTOR SHALL TAKE TO TEXISTING OROPERTY LINE MONIMENTATION 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. 10. NEW CONSTRUCTION ADDED TO EXISTING OROPERTY LINE MONIMENTATION 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.	4. FILL LAYERS THAT REQUIRE COMPACTION SHALL HAVE A MAXIMUM THICKNESS OF 6 INCHES. 5. THE COMPACTING UNDER STRUCTURES, BUILDING SLABS, STEPS, PAVEMENT AND WALKWAYS SHALL BE 95% MAXIMUM DENSITY, ASTM D-1557. TESTED IN EACH OF THE COMPACTING LAYERS AT EACH COMPACTING S
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1. PRIOR TO STATUM CONTRUCTOR. THE CONTRACTOR SHULL PROTECT ALL AREA FROM DAMAGES WHICH MY OCCURE DURING CONSTRUCTION, NY DAMAGES TO NEW OR EXISTING SURFACES, STRUCTURES, PROPERTY, SHRUBBERY, TREES, OR EQUIPMENT, SHALL BE IMMEDIATELY REPARED OR REPLACED ON TO THE SATISFACTION OF THE FORGERITY OWNER THE CONTRACTOR SHALL LEART THE COST OF PERVANNES ON REPLACED A XMY DAMAGES TO NEW OR EXISTING STRUCTURES, PROPERTY OWNER, THE CONTRACTOR SHALL LEART THE COST OF PERVANNES ON REPLACED A XMY DAMAGES TO NEW OR EXISTING STRUCTURES, STRUCTURES, STRUCTURES, AND FORGERITY ONE STRUCTURES, AND PROPERTIES. WHEN WORK IS PERFORMED IN THE VICINITY OF EXISTING STRUCTURE, INTEGRITY OF EXISTING STRUCTURES, AND PROPERTIES. WHEN WORK IS PERFORMED IN THE VICINITY OF EXISTING STRUCTURES, THE STRUCTURE, INTEGRITY OF EXISTING STRUCTURES, AND PROPERTIES. WHEN WORK IS PERFORMED IN THE VICINITY OF EXISTING STRUCTURES, AND PROTECT THE STRUCTURAL INTEGRITY OF EXISTING STRUCTURES, AND PROPERTIES. WHEN WORK IS PERFORMED IN THE VICINITY OF EXISTING STRUCTURES, AND STRUCTURES, AND PROPERTIES. WHEN WORK IS PERFORMED IN THE VICINITY OF EXISTING STRUCTURES, AND STRUCTURES, AND STRUCTURES, AND PROPERTIES. WHEN WORK IS PERFORMED IN THE VICINITY OF EXISTING STRUCTURES, AND PROPERTIES. WHEN WORK IS PERFORMED IN THE VICINITY OF ANISTING ON THE VICINITY ON STRUCTURES, AND OF A LICENSED LAND SURFACES. THE CONTRACTOR SHALL BE REPLACED AT THE CONTRACTOR SHALL BASED PAINT FOR ANTENINGS. ALL SURFACES CONTRACTOR SHALL DAD DANT COLOR EXCEPT AND AND TOXIC SHALL BASED PAINT FOR ANTENNAS, SHOULDS, AND RELATED MOUNTING HARDWARE TO MATCH THE EXISTING ADJACENT SURFACES. THE CONTRACTOR SHALL NOT USE A METAL MEEN AND ANT CONTRACTOR SHALL DAD TO TAXING THE PLANS. 10. NEW CONTRACTOR ON POINTING MER AND ANT FORMED AND ANT COLOR EXECUTING AND AND ANT AND AND AND AND THE EXIST ADJACENT SURFACES. THE CONTRACTOR SHALL DAD ANT TO AND AN	 FILL LAYERS THAT REQUIRE COMPACTION SHALL HAVE A MAXIMUM THICKNESS OF 6 INCHES. THE COMPACTING UNDER STRUCTURES, BUILDING SLABS, STEPS, PAVEMENT AND WALKWAYS SHALL BE 95% MAXIMUM DENSITY, ASTM D-1557. TESTED IN EACH OF THE COMPACTING LAYERS AT EACH COMPACTING S F IA LOWER OF COORDERT COBLESTONE, GRANTE PAVERS, OR OTHER SUPPORTING MATERIAL EXISTS, CONTRACTOR SHALL INSTALL CONCRETE TO MATCH THE EXISTING DEPTH PRIOR TO INSTALLATION OF TEMPO 7. WHEN BACKFILL CANNOT EFFECTIVELY BE COMPACTED TO 95% MAXIMUM DENSITY DUE TO MULTIPLE CONDUITS, DUCTS OR PIPES, CONTROLLED DENSITY FILL (CDF) MAY BE REQUIRED. THE COMPACTING UNDER LAWINS OR UNPAVED AREAS SHALL BE 55% MAXIMUM DENSITY, ASTM 01557. GRAVEL SHALL BE FAACED UP TO THREE SLOW GRADE OF EXISTING ASHALT, TO ALLOW ROOM FOR THREE (3) INCHES OF COMPACTED HMA TEMPORARY SURFACE. CONCRETE SIDEMAKIS SHALL BE PLACED ON A BED OF SIX (6) INCHES OF COMPACTED GRAVEL CURB STORES MUST BE PLACED ON A BED OF SIX (6) INCHES OF COMPACTED GRAVEL CURB STORES MUST BE PLACED ON A BED OF SIX (6) INCHES OF COMPACTED GRAVEL CURB STORES MUST BE PLACED ON A BED OF SIX (6) INCHES OF COMPACTED GRAVEL CURB STORES MUST BE PLACED ON A BED OF SIX (6) INCHES OF COMPACTED GRAVEL CHR STORES MUST BE PLACED ON A BED OF SIX (6) INCHES OF COMPACTED GRAVEL CHR STORES MUST BE PLACED ON A BED OF SIX (6) INCHES OF COMPACTED GRAVEL
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1. PROOF DISTANTING CONSTRUCTION. THE CONTRACTOR SHULL PROTECT ALL AREAS FROM DAMAGES WHICH MAY OCCURE DURING CONSTRUCTION, AND DAMAGES TO NEW OR EXISTING SURFACES, STRUCTURES, PROPERTY, SHRUBBERY, TREES, OR EQUIPMENT, SHALL BE IMMEDIATELY REPARED OR REPLACING AND MAY DAWN DAWNED AND DAWN DOWNED DATE DATE OF THE CONTRACTOR SHALL LEART THE COST OF FERAINING OR REPLACING AND MAY DAWNED AREAS. 8. THE CONTRACTOR SHALL PRECATIONARY MEASURES AND EFFORTS TO ROTECT THE STRUCTURAL INTEGRITY OF EXISTING STRUCTURES, AND PROPERTIES. WHEN WORK IS PERFORMED IN THE VICINITY OF EXISTING STRUCTURES, THE STRUCTURAL INTEGRITY AND STABILITY SHALL BE MANDROMED AND STRUCTURES AND PROPERTIES. WHEN WORK IS PERFORMED IN THE VICINITY OF EXISTING STRUCTURES, THE STRUCTURAL INTEGRITY AND STABILITY SHALL BE MANDROMED AND STRUCTURES. AND PROPERTIES. WHEN WORK IS PERFORMED IN THE VICINITY OF EXISTING STRUCTURES, AND PROPERTIES. WHEN WORK IS PERFORMED IN THE VICINITY OF EXISTING STRUCTURES, AND PROPERTIES. WHEN WORK IS PERFORMED IN THE VICINITY OF EXISTING STRUCTURES, AND PROPERTIES. WHEN WORK IS PERFORMED IN THE VICINITY OF EXISTING STRUCTURES, AND PROPERTIES. WHEN WAND AND FOULD COLOR EXCEPT AND PROVIDED AS JUDGED BY THE OWNER OR OWNERS REPRESENTATIVE SHALL BE REPLACED AT THE CONTRACTORS SEVENCES UNDER SUPERVISION OF A LICENSED LAND SURVEYOR. 10. MEVE CONTRACTOR SHALL PROTECT EXISTING OFFICE INFORMATION SHALL DE AND PANT COLOR EXCEPT AND PANT COLOR. EXCEPT AND PANT COLOR EXCEPT AND PANT COLOR. EXCEPT AND PANT FOUND THE VICINITY SHALL DE MEDIATE ON THE THE WORK INFORMATION SHALL DE AND PANT TO REPLACED. SHALL PANT AND PANT COLOR. EXCEPT AND PANT COLOR. EXCEPT AND PANT TO REPLACE SHOLL PANT. 10. MEVE CONTRACTOR SHALL PANT AND PANT COLOR. EXCEPT AND AND THIS THE VICINITY SHALL DE AND THAN THE LOCATIONS MAY VARY FROM THE LICCATIONS MUNCATED. IN PARTICULAR, THE CONTRACTOR IS WANDED TO THE THE SHOLL DO AND THAN THE ESHADY ON THE WESS SHOLL DATE TO MANDRO BY SHE ASSOND. 10. MEVE CONTRACTOR SHALL PANT. 10. MEVE CONTRACTOR SHALL PANT. AND PANT	 FILL LAYERS THAT REQUIRE COMPACTION SHALL HAVE A MAXIMUM THCKNESS OF 6 INCHES. THE COMPACTING UNDER STRUCTURES, BUILDING SLABS, STEPS, PAVEMENT AND WALKWAYS SHALL BE 95% MAXIMUM DENSITY, ASTM D-1557. TESTED IN EACH OF THE COMPACTING LAYERS AT EACH COMPACTING S I A LAYERS THAT CROUNDER TO CONSTRUCT COBLESTONE, GRAVITE PAVES, DO THER SUPPORTING MATERNIA EXISTS, CONTRACTOR SHALL INSTALL CONCRETE TO MATCH THE EXISTING DEPTH PRIOR TO INSTALLATION OF TEMPO WHEN BACKFILL CANNOT EFFECTIVELY BE COMPACTED 195% MAXIMUM DENSITY DUE TO MAIL TIPLE CONDUITS, DUCTS OR PIPES, CONTROLLED DENSITY FILL (CDF) MAY BE REQUIRED. THE COMPACTING UNDER TAINS OR UNPACHE PARES SHALL BES SM XXMMUM DENSITY. ASTM 01557. GRAVEL SHALL BE FLACED UP TO THREE (3) INCHES BELOW GRADE OF EXISTING ASPHALT, TO ALLOW ROOM FOR THREE (3) INCHES OF COMPACTED HMA TEMPORARY SURFACE. CONGRETE SIDEWAXS SHALL BE PLACED ON RED OF SUN (6) INCHES OF COMPACTED GRAVEL. CUBS DISCUSS MUST EE PLACED ON A BED OF SUN (6) INCHES OF COMPACTED GRAVEL. CUBS DISCUSS MUST EE PLACED ON A BED OF SUN (6) INCHES OF COMPACTED GRAVEL. CUBS DISCEMANTS ENALDE AND EXCED S NO. (6) INCHES OF COMPACTED GRAVEL. CUBS DISCEMANTS ENALDE DATE DOWNES OF CRUSHED STONE. THE COMPACTED SHALL BE FLACED ON RED OF SUNG IN BUST ER ERCOMPACTED AT THE CONTRACTOR'S EXPENSE. ALL TERSCH EXCANTIONS AND ANY REQUIRED SHEETING AND SHALL BE DONE IN ACCORDANCE WITH OSH A REGULATIONS FOR CONSTRUCTION. WHERE LINSTABLE SOL CONDITIONS EXIST. THE THE GRUBBED AREAS WHILE BE DONE IN ACCORDANCE WITH OSH A REGULATIONS FOR CONSTRUCTION. HIT LORD HEXCANTIONS AND ANY REQUIRED SHEETING AND SHALL BE DONE IN ACCORDANCE WITH OSH A REGULATIONS FOR CONSTRUCTION. HIT HE USE OF EXALUSIVES IS PROHIBITED ON STIE. HIT HUE USE OF EXALUSIVES IS PROHIBITED ON STIE. HIT HUE USE OF EXALTING FOR EXCESS GROUND WA
1. PROOF OF STARTING CONTRACTOR SHULL PROTECT ALL BEAS FROM DAMAGES WHICH MAY OCCUR DURING CONSTRUCTIONS AND DAMAGES TO NEW OR EXISTING SURFACES, STRUCTURES, PROPERTY, SHRUBBERY, TREES, OR EQUIPMENT, SHALL BE IMMEDIATELY REPARED OR REPLACED ON TO THE STRUCTORY SHALL PRECATIONARY MEASURES AND EFFORTS TO PROTECT THE STRUCTURAL INTEGRITY OF EXISTING STRUCTURES, AND PROPERTIES. WHEN WORK IS PERFORMED IN THE VICINITY OF EXISTING STRUCTURES, THE STRUCTURAL INTEGRITY AND STABILITY SHALL BE IMMEDIATELY REPARED OR REPLACED AT ALL IMBES DURING EVERY PHASE OF THE CONSTRUCTIONS SHALL BEAR THE COST OF REVIEWS ON OF A LICENSED LAND SURPEYOR. 9. THE CONTRACTOR SHALL PROTECT EXISTING DROPERTY LIKE MONIMENTATION. ANY MONIMENTATION IN THE MURAL DO RESTRUCTURES, AND PROPERTIES. WHEN WORK IS PERFORMED IN THE VICINITY OF EXISTING SURPEYOR. 10. NEW CONSTRUCTION ADDED TO EXISTING CONSTRUCTIONS SHALL BE MATCHED IN FORM, TEXTURE, MATERIAL AND PAINT COLOR EXCEPT AS INTEG IN THE OWNER OF OWNER'S REPRESENTATIVE SHALL BE REPLACED AT THE CONTRACTOR SHALL BINK THE WORK IS DEPLACED. THE CONTRACTOR SHALL NOT USE A WETAL BASED PAINT FOR ANTENNAS. ALL SURFACE CONTAMINATION SHALL BE REMOVED PROOF TO PAINTING IN SURFACES STRUCTURES, ABOVE GROUND STRUCTURES, AND/OR UTLITIES BELIEVED TO EXIST IN THE WORKING AREA. THE EXACT LOCATIONS MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS MARKED THAT THE EXACT OR EVEN APPRICADED TO INSULF PRELIMES, SUBJERACE STRUCTURES, AND/OR UTLITIES BELIEVED TO EXIST IN THE WORKING AREA. THE EXACT LOCATIONS MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS MARKED THAT THE EXACT OR EVEN APPRICADED STRUCTURES WASHINGTON WHEN REPORT ON AND THE SHOWN AND AND THE WORKING AREA. THE EXACT LOCATIONS MAY VARY FROM THE LOCATION SHALL BE THE WARKED AND AND AND THE WARKED AND AND AND AND THE WARKED AND AND AND AND AND	 4. FLU LAYERS THAT EEQUIRE COMPACTION SHALL HAVE A MUXIMUM THCKRESS OF 8 INOLES. 5. THE COMPACTING UNDER STRUCTURES, BUILDING SLABS, STEPS, PAVEMENT NAD WALKNAYS SHALL BE 95% MAXIMUM DENSITY, ASTM D-1557. TESTED IN EACH OF THE COMPACTING LAYERS AT EACH COMPACTING TAME TAIL WASTAL CONCRETE. COBLESTONE, GRANTE PAVERS, OR OTHER SUPPORTING MATERIAL EXISTS, CONTRACTOR SHALL INSTAL CONCRETE TO MATCH THE EXISTING DEPTH PRIOR TO INSTALLATION OF TEMPO 7. WHEN BACKFILL CANNOT EFFECTIVELY BE COMPACTED TO 95% MAXIMUM DENSITY DUE TO MAIL THE E CONDUITS, DUCTS OR PIPES, CONTROLLED DENSITY FLL (DDF) MAY BE REQUIRED. 8. THE COMPACTING UNDER STRUE DERSS SHALL BESS MAXIMUM DENSITY DUE TO MAIL THE E CONDUITS, DUCTS OR PIPES, CONTROLLED DENSITY FLL (DDF) MAY BE REQUIRED. 9. THE COMPACTING UNDER THREE (5) INCHES DELSON GRADE OF EXISTING ASPHAIT, TO ALLOW ROOM FOR THREE (5) INCHES OF COMPACTED HMA TEMPORARY SURFACE. 2. CONCRETE SUBEWAKS SHALL BEPACED ON A BED OF SIX (6) INCHES OF COMPACTED GRAVEL. 3. CURB STONES MUST EE PLACED ON A BED OF SIX (6) INCHES OF CRUSHED GRAVEL. 3. CURB STONES MUST EE PLACED ON A BED OF SIX (6) INCHES OF CRUSHED GRAVEL. 4. THE COMPACTED LYTERS SHALL DEPLACED ON A BED OF SIX (6) INCHES OF CRUSHED GRAVEL. 5. CHR STONES MUST EE PLACED ON A BED OF SIX (6) INCHES OF CRUSHED GRAVEL. 5. THE COMPACTED LYTERS SHALL DEPLACED ON A BED OF SIX (6) INCHES OF CRUSHED GRAVEL. 6. THE COMPACTED LYTERS SHALL DEPLACED ON A BED OF SIX (6) INCHES OF CRUSHED GRAVEL. 7. THE COMPACTED LYTERS SHALL DEPLACED ON A BED OF SIX (6) INCHES OF CRUSHED GRAVEL. 8. THE COMPACTED LYTERS SHALL DEPLACED DA BACKES. 10. ALL TRENCH ELCAVATIONS AND ANY REQUIRED SHORED RAKES WITH DEPLATE LE PARKE (MARKE SOAY CR APPROVE DE QUIVALENT) PRICTOR. 11. ALL TRENCH ELCAVATIONS AND ANY REQUIRED SHAREM HOR CONTACTE. THE FARKE MEMBER SOAY CR APPROVE DE QUIVALENT) FINGR TO ALCING FILL OR BASE MATERIAL. 13. THE USE OF EXP
1. PHOTO STATUM CONTRUCTOR. THE CONTRACTOR SHULL PROTECT LLI AREA FROM DAMAGES WHICH MY OCCURE DURING CONSTRUCTION. THE CONTRACTOR SHULL PROTECT LLI AREA FROM DAMAGES WHICH MY OCCURE DURING CONSTRUCTION. AND DAMAGES TO NEW OR EXISTING STRUCTURES, PROPERTY, SHRUBBERY, TREES, OR EQUIPMENT, SHRUB EI IMMEDIATELY REPARED OR REPLACED A TO THE SATISFACTION OF THE MORENTY OWNER THE CONTRACTOR SHULL BEAR THE COST OF PERVANNES OR REPLACION. AND MY DAMAGES TO NEW OR KIS PERFORMED IN THE VICINITY OF EXISTING STRUCTURES, THE STRUCTURE, THE STRUCTURAL INTEGRITY AND STABILITY SHALL BE IMMEDIATELY REPARED OR REPLACED A TALL INTEG SUBME STRUCTURES OF THE CONSTRUCTORS. 9. THE CONTRACTOR SHULL PROTECT EXISTING PROPERTY UNE MONAMENTATION IN UNMAINTATION IN UNMAINTATION IN UNMAINTATION AND MONAMENTATION DISTURBED OR RESTRUCTURES, AND PROPERTIES. WHEN WORK IS PERFORMED IN THE VICINITY OF EXISTING STRUCTURES, AND PROPERTIES. 9. THE CONTRACTOR SHULL PROTECT EXISTING PROPERTY UNE MONAMENTATION AND MONAMICOL OR EXCEPT A SOTED IN THE PLANS. 10. NEW CONSTRUCTION SHULL BE INFORMATION SHUL BENE OR RESTRUCTURES, AND PROVINCID AS JUDGED BY THE OWNER OR OWNERS REPRESENTATIVE SHALL BE REPLACED AT THE CONTRACTOR SHALL NOT USE A METAL BASED PAINT FOR ANTENNAS. ALL SUBFACE CONTAMINATION SHALL BE REMOVED PROVINCID FORMITIC BINE, SUBFACES. SHORD OUTLINES SHORD ON THITIES BELEVED TO LOSIT IN THE WORKING AREA. THE EXIST DALIGAENT SUBFACES. THE CONTRACTOR SHALL NOT USE A METAL BASED PAINT FOR ANTENNAS. ALL SUBFACE CONTAMINATION SHALL BE REMOVED PROVINCIS MURPHENES, SUBSIDARTICE STRUCTURES, ANDOR UTLITES BELEVED TO LOSIT IN THE WORKING AREA. THE EXIST DALIGAENT SUBFACES THE CONTRACTOR SHALL NOT WISE EFFER BEGINANTIO IN SHALL BE SHOWN NOT IN THE EXIST DALIGAENT SUBFACES. THE CONTRACTOR SHALL NOTIVE EFFE BEGINANTIO IN SHALL BE SHOWN NOTI THE RELEVANT THE EXIST ON ON THE VICINING MARKA THAN INVERY FROM THE LOCATIONS INVOLVES. EFFER BEGINANTIO IN SHALL BE MONORING AREA. THE EXIST DALIGAENT SUBFACES. 10. INTE CONTRACTOR MURPHENES, SUBSIDINATION SUBFACES. THA	 FLIL LAYERS THAT FEQUIRE COMPACTION SHALL HAVE A MUXIMUM THCK/SESS OF 8 INCHES. THE COMPACTING UNDER STRUCTURES, BUILDING SLABS, STEPS, PAXEMENT AND WALKWAYS SHALL BE 95% MAXIMUM DENSITY, ASTM D-1557. TESTED IN EACH OF THE COMPACTING LAYERS AT EACH COMPACTING SLABS, STEPS, PAXEMENT AND WALKWAYS SHALL BE 95% MAXIMUM DENSITY, ASTM D-1557. TESTED IN EACH OF THE COMPACTING LAYERS AT EACH COMPACTING THE UPORTING MATERIAL EXISTS, CONTRACTOR SHALL INSTALL CONCRETE TO MATCH THE EXISTING DEPTH PRIOR TO INSTALLATION OF TEMPO WHEN BACKFILL CANNOT EFFECTIVELY BE COMPACTED TO 95% MAXIMUM DENSITY DUE TO MALTIPLE CONDUITS, DUCTS OR PIPES, CONTROLLED DENSITY FILL (CDF) MAY BE REQUIRED. THE COMPACTING UNDER TANNES ON UNDERABLARS SHALL BE SSM MAXIMUM DENSITY. ASTM 01557. GRAVEL SHALL BE FLACED UP TO THREE (5) INCHES BELOW GRADE OF EXISTING ASPHALT. TO ALLOW ROOM FOR THREE (5) INCHES OF COMPACTED HMA TEMPORARY SURFACE. CONCRETE SIDEWALKS SHALL BE PLACED ON A BED OF SX (6) INCHES OF COMPACTED GRAVEL. GUIDS STOMES MUST BE PLACED ON A BED OF SX (6) INCHES OF COMPACTED GRAVEL. GUIDS STOMES MUST BE PLACED ON A BED OF SX (6) INCHES OF COMPACTED AT THE CONTRACTOR'S EXPENSE. THE COMPACTED LAYERS SHALL NOT EXCEED & INCHES. ALTERSING TEXT TO IN 57% REQUIRED SHOLED SHALL BST DE RECOMPACTED AT THE CONTRACTOR'S EXPENSE. ALL TERSING TEXCAUNTONS AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH OSHA REGULATIONS FOR CONSTRUCTION. WHENE BETACED CONTONS NED ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH OSHA REGULATIONS FOR CONSTRUCTION. WHENE BETACED CONTONS NED ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH OSHA REGULATIONS FOR CONSTRUCTION. WHEN BE DEREAL CONTONIS NED ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH OSHAR REGULATIONS FOR CONSTRUCTION. WHEN BE ACCOUNTIONS WITH
1. Protor to Starting Construction. The Contractor shull people that people that people that the contractor shull people the contractor shull people that people that people that people that the contractor shull people that people t	 4. FLU LAYERS THAT EEQUIRE COMPACTON SHALL HAVE A MAXIMUM THCKRESS OF SINCHES. 5. THE COMPACTING UNDER STRUCTURES, BUILDING SLABS, STEPS, PAVEMENT NAD WALKNAYS SHALL BE 95% MAXIMUM DENSITY, ASTM D-1557. TESTED IN EACH OF THE COMPACTING LAYERS AT EACH COMPACTING TAME TAIL WAYS SHALL INSTALL CONCRETE TO MATCH THE EXISTING DETH PRIOR TO INSTALLATION OF TEMPO 7. WHEN BACKFILL CANNOT EFFECTIVELY BE COMPACTED TO 95% MAXIMUM DENSITY DUE TO MAIL THEE CONDUITS, DUCTS OR PIPES, CONTROLLED DENSITY FLL (DCP) MAY BE REQUIRED. 8. THE COMPACTING UNDER STRUE DERSISS OF DERSISS AND MAXIMUM DENSITY DUE TO MAIL THEE CONDUITS, DUCTS OR PIPES, CONTROLLED DENSITY FLL (DCP) MAY BE REQUIRED. 8. THE COMPACTING UNDER STRUE DERSISS SES MAXIMUM DENSITY DUE TO MAIL THEE CONDUITS, DUCTS OR PIPES, CONTROLLED DENSITY FLL (DCP) MAY BE REQUIRED. 9. THE COMPACTING UNDER STRUE DERSISS AND ABED OF SIX (6) INCHES OF CONDUCTS DUE TO MAIL THEE CONDUITS, DUCTS OR PIPES, CONTROLLED DENSITY FLL (DCP) MAY BE REQUIRED. 1. GRAVEL SHALL BE FLACED ON A BED OF SIX (6) INCHES OF CRUSHED STONE. 2. CONCRETE SIDEMAKS SHALL BEFLACED ON A BED OF SIX (6) INCHES OF CRUSHED GRAVEL. 3. CURB STONES MUST EE PLACED ON A BED OF SIX (6) INCHES OF CRUSHED GRAVEL. 4. THE COMPACTED LYTERS SHALL DEFLACED ON A BED OF SIX (6) INCHES OF CRUSHED GRAVEL. 5. CHRACET DAYLES SHALL DEFLACED ON A BED OF SIX (6) INCHES OF CRUSHED GRAVEL. 6. AND FORMATED LYTERS SHALL DEFLACED ON A BED OF SIX (6) INCHES OF CRUSHED GRAVEL. 7. THE COMPACTED LYTERS SHALL DEFLACED ON A BED OF SIX (6) INCHES OF CRUSHED GRAVEL. 8. THE COMPACTED LYTERS SHALL DEFLACED ON A BED OF SIX (6) INCHES OF CRUSHED GRAVELES AND BE REPENSE. 19. ALL TRENCH EXCAVATIONS AND ANY REQUIRED SHALE BE SIGNATIAL HORIZONTAL UNDISTURBED AND BE FREE FROM LOOSE MATERIAL AND EXCESS GROUND WATER. DEWARTERIAL. 11. ALL TRENCH EXCAVATION OWN THE REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCOMPACTED GRAVILA
1. PHOTO STATUM CONTRUCTOR. THE CONTRACTOR SHULL PROTECT LLI AREA FROM DAMAGES WHICH MY OCCURE DURING CONSTRUCTION. THE CONTRACTOR SHULL PROTECT LLI AREA FROM DAMAGES WHICH MY OCCURE DURING CONSTRUCTION. AND DAMAGES TO NEW OR EXISTING STRUCTURES, PROPERTY, SHRUBBERY, TREES, OR EQUIPMENT, SHRUB EI IMMEDIATELY REPARED OR REPLACED A TO THE SATISFACTION OF THE MORENTY OWNER THE CONTRACTOR SHULL BEAR THE COST OF PERVANNES OR REPLACION. AND MY DAMAGES TO NEW OR KIS PERFORMED IN THE VICINITY OF EXISTING STRUCTURES, THE STRUCTURE, THE STRUCTURAL INTEGRITY AND STABILITY SHALL BE IMMEDIATELY REPARED OR REPLACED A TALL INTEG SUBME STRUCTURES OF THE CONSTRUCTORS. 9. THE CONTRACTOR SHULL PROTECT EXISTING PROPERTY UNE MONAMENTATION IN UNMAINTATION IN UNMAINTATION IN UNMAINTATION AND MONAMENTATION DISTURBED OR RESTRUCTURES, AND PROPERTIES. WHEN WORK IS PERFORMED IN THE VICINITY OF EXISTING STRUCTURES, AND PROPERTIES. 9. THE CONTRACTOR SHULL PROTECT EXISTING PROPERTY UNE MONAMENTATION AND MONAMICOL OR EXCEPT A SOTED IN THE PLANS. 10. NEW CONSTRUCTION SHULL BE INFORMATION SHUL BENE OR RESTRUCTURES, AND PROVINCID AS JUDGED BY THE OWNER OR OWNERS REPRESENTATIVE SHALL BE REPLACED AT THE CONTRACTOR SHALL NOT USE A METAL BASED PAINT FOR ANTENNAS. ALL SUBFACE CONTAMINATION SHALL BE REMOVED PROVINCID FORMITIC BINE, SUBFACES. SHORD OUTLINES SHORD ON THITIES BELEVED TO LOSIT IN THE WORKING AREA. THE EXIST DALIGAENT SUBFACES. THE CONTRACTOR SHALL NOT USE A METAL BASED PAINT FOR ANTENNAS. ALL SUBFACE CONTAMINATION SHALL BE REMOVED PROVINCIS MURPHENES, SUBSIDARTICE STRUCTURES, ANDOR UTLITES BELEVED TO LOSIT IN THE WORKING AREA. THE EXIST DALIGAENT SUBFACES THE CONTRACTOR SHALL NOT WISE EFFER BEGINANTIO IN SHALL BE SHOWN NOT IN THE EXIST DALIGAENT SUBFACES. THE CONTRACTOR SHALL NOTIVE EFFE BEGINANTIO IN SHALL BE SHOWN NOTI THE RELEVANT THE EXIST ON ON THE VICINING MARKA THAN INVERY FROM THE LOCATIONS INVOLVES. EFFER BEGINANTIO IN SHALL BE MONORING AREA. THE EXIST DALIGAENT SUBFACES. 10. INTE CONTRACTOR MURPHENES, SUBSIDINATION SUBFACES. THA	 4. FLU LAYERS THAT EEQUIRE COMPACTION SHALL HAVE A MUXIMUM THCKESS OF BIOLES. 5. THE COMPACTING UNDER STRUCTURES, BUILDING SLABS, STEPS, PAVEMENT NAD WALKWAYS SHALL BE SIN MAXIMAD DENSITY, ASTM D-1557. TESTED IN EACH OF THE COMPACTING LAYERS AT EACH COMPACTING TAME TAN UNDER ALKAYS SHALL BE SIN MAXIMAD DENSITY, ASTM D-1557. TESTED IN EACH OF THE COMPACTING LAYERS AT EACH COMPACTING TAME TAN UNDER ALKAYS SHALL BE SIN MAXIMAD DENSITY, ASTM D-1557. TESTED IN EACH OF THE COMPACTING DATERIAL DENSITY FUL COST BY PRES. CONTROLLED DENSITY FUL (DDF) MAY BE REQUIRED. 6. IF A LAYER OF CONCEPTE, COBBLESTONE, GRANTE PAVERS, OR OTHER SUPPORTING MATERIAL DOSTS, CONTRACTOR SHALL INSTALL CONCRETE TO MATCH THE EXISTING DEPTH PRIOR TO INSTALLATION OF TEMPOR. 7. WHEN BACKFILL CANNOT EFFECTIVELY BE COMPACTED TO SIN MAXIMUM DENSITY. ASTM 0157. 1. GRAVEL SHALL BE PLACED DU TO THREE (D) INCHES DELOW GRADE OF EXISTING ASPHAT, TO ALLOW ROOM FOR THREE (D) INCHES OF COMPACTED HAVE TABLE PLACED ON A BED OF SIX (B) INCHES OF COMPACTED GRAVEL. 2. CORRECTES DIERWLASS SHALL BEPLACED DU RED OF SIX (B) INCHES OF CRUSHED GRAVEL. 3. LICR STONES MUST BE PLACED ON A BED OF SIX (B) INCHES OF CRUSHED TORKLE. 4. THE COMPACTED LAYERS AND AD BOY DE COMPACTED ATHLE OD ON IN CONDENCE WITH OSHA 4. ALEXANTORIO UNT MEET ASTM D-1557. REQUIREMENTS MUST BE RECOMPACTED AT THE CONTRACTORS EXPENSE. 10. AREAS THAT DO NOT MEET ASTM D-1557. REQUIREMENTS MUST BE RECOMPACTED AT THE CONTRACTOR SEXPENSE. 11. ALL TERON ESCANTORS AND ANY REQUIRED SHERING AND SHORNES SHULL BED NEEN IA ACOMENCE WITH OSHA 12. WHERE UNSTABLE SOL CONDITIONS EXIST, LINE THE GRUBBED AREAS WITH GEOTEXTLE FABRIC (MIRAEL SOX OR APPROVED EQUIVALENT) PRIOR TO TACING FILL OR BASE MATERIAL. 13. THE UGE OF EXPLOSINGES IS MONOMISED ON STEP. 14. ALL SOL CONDITIONS EXIST, LINE THE GRUBBED AREAS WITH GEOTEXTLE FABRIC (MIRAEL SOX OR APPROVED EQUIVALENT) PRIOR TO TACING FILL OR BASE MATE
1 PHOLOS TRUCTION. THE CONTRACTOR SHULL PROTECT ALL AREAS FROM DAMAGES WHICH MAY OCCURE DURING CONSTRUCTIONS. AND DAMAGES TO NEW OR EXISTING SUBFACES, STRUCTURES, PROPERTY, SHRUBBERY, TREES, OR EQUIPMENT, SHALL BE IMMEDIATELY REPARED OR REPLACED A TO THE SATISFACTION OF THE PROPERTY OWNER THE CONTRACTOR SHALL BEART THE COST OF PREVINING OR REPLACION. AND MOMAGES TO NEW OR KIS PERFORMED IN THE VICINITY OF EXISTING STRUCTURES, THE STRUCTURE, AND STABILITY SHALL BE IMMEDIATELY REPARED OR REPLACED A TALL IMESS OF THE CONSTRUCTOR. 9. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY U.EM KOMMENTATION. ANY MOMINISHIATION AND HONOLOGIE ACUET AND PROPERTIES. WHEN WORK IS PERFORMED IN THE VICINITY OF EXISTING STRUCTURES, AND OR OLITIES ON REDISTRUCTURES AND PROPERTIES. WHEN WORK IS PERFORMED IN THE VICINITY OF EXISTING STRUCTURES, AND STRUCTURES. 9. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY U.EM KOMMENTATION AND PANT COLOR EXCEPT A SUDGED BY THE OWNER OR OWNERS REPRESENTATIVE SHALL BE REPLACED AT THE CONTRACTOR S SHALL PART ALL NEW ANTENNAS. SHOULDS, AND RELATED MOUNTING HARDWARE TO MATCH THE EXISTING ADJACENT SURFACES. THE CONTRACTOR SHALL NOT USE A METAL BASED PAINT FOR ANTENNAS. ALL SUBFACE CONTAMINATION SHALL BE AND PAINT COLOR EXCEPT A SUDDED IN THE WORK MARCE STRUCTURES, AND/OR UTULITES BELEVED TO EXIST IN THE WORKING AREA. THE EXIST OR ADJACENT SURFACES. THE CONTRACTOR SHALL NOT USE A METAL BASED PAINT FOR ANTENNAS. ALL SUBFACE CONTAMINATION SHALL BE EXCONTRACTOR SHALL NOT USE A METAL BASED PAINT FOR ANTENNAS. ALL SUBFACE CONTAMINATION SHALL BE EXCONTRACTOR SHALL PROVIDED IN THE AND AND YOUND IN THE EXIST ON ON MAY YORY FROM THE LOCATIONS INNUCATED. IN PARTICULAR, THE EXIST ON ON MAY YORY FROM THE LOCATIONS INNUCATED. IN PARTICULAR, THE EXIST ON ON MAY YORY FROM THE LOCATIONS INNUCATED. IN PARTICULAR, THE EXIST ON ON MAY YORY FROM THE LOCATIONS INNUCATED. IN THE EXIST ON ON MAY YORY FROM THE LOCATIONS INNUCATED. IN PARTICULAR, THE EXIST ON ON MAY YORY FROM THE LOCATIONS INDUCATED. IN PARTICULAR, THE EXIST ON ON	 4. FLU LAYERS THAT EEQUIRE COMPACTON SHALL HAVE A MAXIMUM THICKESS OF 9 NOHES. 5. FLE COMPACTING UNDER STRUCTURES, BUILDING SLABS, STEPS, PAVEMENT AND WALKWAYS SHALL BE 95% MAXIMUM DENSITY, ASTM D-1557. TESTED IN EACH OF THE COMPACTING LAYERS AT EACH COMPACTING IN THE AVERS, SO (THER SUPPORTING MATERIAL EXIST, CONTRACTOR SHALL INSTALL CONCRETE TO MATCH THE EXISTING DEFTH PRIOR TO INSTALLATION OF TEMP. 7. WHEN BACKFILL CANNOT EFFECTIVELY BE COMPACTED TO 95% MAXIMUM DENSITY DUE TO MULTIPLE CONDUITS, DUCTS OR PIPES, CONTROLLED DENSITY FILL (CP) MAY BE REQUIRED. 8. THE COMPACTING LONG THE PAVENS, OR OTHER SUPPORTING MATERIAL EXISTS, CONTRACTOR SHALL INSTALL CONCRETE TO MATCH THE EXISTING DEFTH PRIOR TO INSTALLATION OF TEMP. 9. THE COMPACTING UNDER TANNES OR UNPACTED TO 95% MAXIMUM DENSITY DUE TO MULTIPLE CONDUITS, DUCTS OR PIPES, CONTROLLED DENSITY FILL (CP) MAY BE REQUIRED. 9. THE COMPACTED LAYERS SHALL BY CAED ON A BED OF 55% (0) INCHES OF CRUSHED STORE. 9. THE COMPACTED LAYERS SHALL NOT EXCEED 8 INCHES. 9. THE COMPACTED LAYERS SHALL NOT EXCEED 8 INCHES. 9. THE COMPACTED LAYERS SHALL NOT EXCEED 8 INCHES. 10. ALL TRENCH EXCAVATIONS AND MAY REQUIRED SHEETING AND SHALL BE DONE IN ACCORDANCE WITH ONH REGULATIONS FOR CONSTRUCTION. 12. WHENE BATALD DON THE EXCENTIONED SHALL BITS ER RECOMPACTED AT THE CONTRACTOR'S EXPENSE. 13. ALL TRENCH EXCAVATIONS AND MAY REQUIRED SHEETING AND SHIFT BE DONE IN ACCORDANCE WITH ONH REGULATIONS FOR CONSTRUCTION. 14. MALE RECAVATIONS AND MAY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH ONH REGULATIONS FOR CONSTRUCTION. 15. WHEN SCAVATION ON WHEN (HORONOTER UND SHALL BE SUBSTATIVIL HORONOTAL UNDSTUMED AND BE FREE FROM LODGE MATERIAL AND EXCERS GROUND WATER. CENTRENCE OR STRUCTION. 15. MAY EXCAVATION ON WHATCH CONCRETE TO BE FLACED SHALL BE DONE IN ACCORDANCE WITH ONDER MATERIAL AND EXCERS GROUND WATER. CENTRENTING FOR EXCESS GROUND STRUE.<
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PLANS PREPARED FOR: -TION REGARDING THE CONSTRUCTION SCHEDULE & SITE ACCESS. ENSURE THAT THE OWNER OF PARENT PARCEL IS NOTIFIED IN WRITING OF CONSTRUCTION ACTIVITIES. ERATIONS OF CONSTRUCTION SUCH AS NOISY OPERATION, INTERRUPTION OF ANY MECHANICAL ANDIOR ELECTRICAL SERVICES, MATERIAL DELIVERIES AND STORAGE, STAGING AREA, CRAME LIFTS, ETC. WITH THE PROPERTY OWNER, extenet a UR NETWORK ERYWHERE. PROPERTY PRIOR TO COMMENCING THE WORK OPERATIONS DURING CUTTING, DRILLING, PAINTING AND FINISHING. THERE SHOULD BE NO PLANS PREPARED BY: ISE AGREED UPON WITH THE LOCAL JURISDICTION AND PROPERTY OWNER OR OWNER'S UC SYNERGETIC OF HIGH NOISE LEVEL EQUIPMENT IS UNAVOIDABLE, AND CAN BE HEARD, CONFINE TO HOURS REPRESENTATIVE. 21 OXFORD RD MANSFIELD, MA 02048 GN SUBSTANCES. REMOVE PETROCHEMICAL SPILLS, STAINS AND OTHER FOREIGN DEPOSITS. RES, SURPLUS MATERIALS, DEBRIS, AND RUBBISH FROM PROPERTY OWNER'S PROPERTY. PUT 1-508-337-7600 www.ucseng.com IPMENT AND MATERIALS REMAIN THE CONTRACTOR'S RESPONSIBILITY AT ALL TIMES DURING EMOVE ALL DEBRIS AND ACCUMULATION OF MATERIALS RESULTING FROM THE WORK. DEMOLITION AND CONSTRUCTION AND SHALL PROVIDE, IF REQUIRED, SIGNED AND SEALED FOR DEMOLITION. IN THROUGH CONCRETE SLAB. LINE DRILL FOR RECTANGULAR OPENINGS. MAKE OPENINGS OF ES & ORDINANCES. NINGS AND PATCH THE SURFACE AFTER DOING THE WORK AND FINISH TO MATCH ADJACENT - LOCATION: CHARLES GATE E @ BEACON ST ED SPACES WHETHER OR NOT FURRING IS INDICATED THE WORK UNDER THIS CONTRACT. BOSTON, MA 02215 SUFFOLK COUNTY DUTSIDE THE CONSTRUCTION UNIT SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S RUCTION ACTIVITIES. P.E. STAMP AREA: NING AGENCIES PRIOR TO DISPOSA ORK HAS BEEN COMPLETED. TRACTOR SHALL IMMEDIATELY NOTIFY THE LOCAL JURISDICTION(S) AND TAKE APPROPRIATE IONS, OR THE BY THE OWNER'S REPRESENTATIVE, GEOTECHNICAL REPORT RECOMMEND ITY FILL IS MANDATED, IT SHALL CONFORM TO THE REQUIREMENTS SPECIFIED BY OWNER'S DRAWING NOTES: ORIGINAL PLAN: • SCALE: AS NOTED DRAWN BY: DC ING SITE, OR AT LEAST IN EACH 100 CU. YARDS OF MATERIAL VOLUME PLAN ORIG. DATE: 07/18/19 EMPORARY PAVEMEN REVISIONS: REV DESCRIPTION BY DATE 1 NEW NODE LOCATION EP 11/27/19 S GROUND WATER SHALL BE PROVIDED IF REQUIRED. CRUSHED STONE MAY BE USED TO STABILIZE THE BOTTOM OF THE EXCAVATION. STONE, IF OD, DEBRIS, TRASH, AND ANY FOREIGN MATERIAL. ITANTS, SEDIMENT, AND/OR DEBRIS INTO ANY PORTION OF THE STORM DRAIN AND/OR SEWER SITE INFO: DWNSTREAM SIDE OF THE SITE AT ALL TIMES. STORM WATER FLOW SHALL NOT BE IMPEDED. LAT: 42.350382 LONG: -71.091518 RD DOCUMENTS AT&T ID: mmBOS1049 EXTENET NODE ID: NE-MA-BSTN5G01-01049 SITE ADDRESS: CHARLES GATE E @ BEACON ST SHEET TITLE: GENERAL NOTES SHEET NUMBER: -GN-1

34 ENCLOSURESWIREWAYS EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50, AND BE RATED NEMA 1 (OR BETTER) INDOORS ONTRACTOR SHALL PROVIDE ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED BY LOCAL CODES AND ORDINA 'HIS MAY INCLUDE SUCH MEASURES AS SILT 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) OLIDOORS ROSION CONTROL MEASURES MAY BE REQUIRED IN ADDITION TO THOSE SHOWN ON DRAWINGS WHERE DETERMINED NECESSARY BY ACTUAL SITE CONDITIONS 3. JUNCTION BOXES: JUNCTION BOXES SHALL BE A MINIMUM SIZE OF 4 INCHES SQUARE BY 1-1/4 INCHES DEI CONCRETE 6.5 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. 1 GENERAL 1) SUBLEMENT DESIGN AND CONSTRUCTION OF ALL CONCRETE ELEMENTS SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING APPLICABLE CODES A CL 301 - SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS 2 CONDUIT PENETRATIONS. SIZE CORE ORILLED HOLES SO THAT AN ANNULAR SPACE OF NOT LESS THAN ½ INCH AND NOT MORE THAN 1 INCH IS LEFT AROUND THE CONDUIT, PIPE, ETC. WHEN OPENINGS ARE CUT IN L ANNULAR SPACE OF NOT LESS THAN ½ INCH AND NOT MORE THAN 1 INCH AROUND THE CONDUIT, PIPE, ETC. PATCH AROUND SLEEVE TO MATCH SURROUNDING SURFACE. 3. PROVIDE APPROPRIATE WEATHERPROOFING MATERIALS FOR PENETRATIONS NEEDING TO BE SEALED FROM POTENTIAL WATER INTRUSION. PROVIDE FIREPROOF MATERIALS FOR PENETRATIONS REQUIRING A FIRE ACI 304 - GUIDE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE 4. IF ANY ROOFTOP WORK IS TO BE PERFORMED, THE CONTRACTOR SHALL USE THE BUILDING OWNERS APPROVED ROOFING CONTRACTOR TO PREVENT VOIDING ANY EXISTING ROOFING WARRANTIES. ANY DA MOISTURE INTRUSION INTO THE BUILDING SHELL. ACI 309 - GUIDE FOR CONSOLIDATION OF CONCRETE ACI 318 - BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE 5. GENERAL PROVIDE ALL CUTTING, DRILLING, FITTING AND PATCHING NECESSARY FOR ACCOMPLISHING THE WORK. THIS INCLUDES REMOVAL AND REPLACEMENT OF DEFECTIVE WORK AND WORK NOT CONFORMING AC 3158 - BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
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 AC1544 3.47 - MEASUREMENT OF POURING CONC 6. REPAIRS: REPAIR ANY AND ALL DAMAGE TO WORK OF OTHER TRADES CAUSED BY CUTTING AND PATCHING OPERATIONS, USING SKILLED MECHANICS OF THE TRADES INVOLVED 7. DO NOT CUT MAJOR STRUCTURAL ELEMENTS WITHOUT APPROVAL. PATCHING SHALL BE OF QUALITY EQUAL TO AND OF MATCHING APPEARANCE OF EXISTING CONSTRUCTION LUTELY NO FIELD CORING / DRILLING / CUTTING OF METALLIC POLES TO BE ALLOWED. 64 COMPLICIONS 1. USE 08% CONDUCTIVITY COPPER WITH TYPE XH4M-2 INSULATION 600 VOLT. COLOR CODED, USE SOLD CONDUCTORS FOR WIRE LP TO AND INCLUDING NO. 8 AWG, STRANDED CONDUCTORS FOR WIRE LARGER T AND SMALLER, SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG AND 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. ASTM C150, TYPE 11 · PORTLAND CEMENT: 3. BACH END OF EVERY POWER, GROUNDING AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, ½ INCH PLASTIC ELECTRICAL TAPE WITH UV PRC AND MATCH EXISTING INSULATION REQUIREMENTS. REINFORCEMENT: ASTM A185 & A615 4. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL. REMOVE SHARP EDGES NORMAL WEIGHT AGGREGATE: ASTM C33 • WATER DRINKABI F 5. ALL CONDUIT SIZES SPECIFIED IN THIS DOCUMENT WERE DONE TAKING INTO ACCOUNT THE USE OF COPPER CONDUCTORS. 6.7 ELECTRICAL SERVICE 1. GENERAL: COMPLY WITH AND CO-ORDINATE ALL REQUIREMENTS OF THE UTILITY COMPANY. ASTM C1116 (IF SPECIFIED) DANCE WITH THE LATEST EDITION OF ACI 315. EINFORCING DETAILS SHALL BE IN ACCORE 2. SHORT CIRCUIT RATINGS: PROVIDE EQUIPMENT WITH HIGHER FAULT CURRENT RATINGS AS NEEDED TO MATCH UTILITY COMPANY AVAILABLE FAULT CURRENT 3 CONTRACTOR TO VERIEV LITLITY CO FAULT CURRENT AND ENSURE THAT ALL FOURPMENT MEETS FAULT CURRENT (AT A MINIMUM ALL FOURPMENT TO BE 10 000 AC). REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS OTHERWISE NOTED, WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 165 WELDED WIRE FABRIC UNLESS OTHERWISE NOTED. SPLICES SHALL BE CLASS 'B' AND ALL HOOKS SHALL BE STANDARD, U.N.O. 3. CONTINUE UN VEHION UTILITY OF FAULT LUNGENTIAND ENDAGE THAT ALL EQUIPMENT MARE IS PAULT CUORGENT (AT A MINIMUM ALL EQUIPMENT) TO BE TUDOUT ACT. A THE CONTRACTOR IS RESPONDED FOR MANING ARRONGEMENTS WITH THE ELECTRIC UTILITY RELATIVE TO A TIMELY INSTALLATION OF THE NEW SERVICE AND PAYING ALL ASSOCIATED FEES. 5. IDENTIFICATION IDENTIFY SERVICE DISCONDECTION MEANS WITH PERMANENT MANUFERATE. 6. THE LOCATION AND ARRANGEMENTS: DRAWINGS INDICATE DIAGRAMMATICALLY THE DESIRED LOCATION OF GUIPMENT, FIXTURES, OUTLETS, ETC., AND ARE NOT TO BE SCALED. PROPER JUDGEMENT MUST BE EXERCISE THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS: CONCRETE CAST AGAINST EARTH: 3 IN CONCRETE EXPOSED TO EARTH OR WEATHER #6 AND LARGER: 2 IN #5 AND SMALLER AND WWF: 1 ½ IN 8. PANEL AND DISTRIBUTION BOARD IDENTIFICATION: SWITCHBOARDS, PANELBOARDS, TRANSFORMERS AND DISTRIBUTION SECTIONS SHALL BE IDENTIFIED WITH ENGRAVED, WHITE ON BLACK, LAMINATED, RIGID PHEI 6.8 CHECKOUT. TESTING AND ADJUSTING 1. CORRECTIONIREPLACEMENT: AFTER TESTING BY CONTRACTOR, OWNER OR ENGINEER, CORRECT ANY DEFICIENCIES AND REPLACE MATERIALS AND EQUIPMENT SHOWN TO BE DEFECTIVE OR UNABLE TO PERFORM. CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND: SLABS AND WALL: % IN 2. POWER CONDUCTORS: CONTRACTOR SHALL CONDUCT A CONTINUITY AND INSULATION TEST ON CONDUCTORS BETWEEN SERVICE DISCONNECT SWITCH AND LOAD CENTER. 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 PRIMARY SOURCE. RECORDS SHALL BE RETURNED TO THE OWNER BEAMS AND COLUMNS: 1 1/2 IN A CHAMFER OF % IN SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE. U.N.O. IN ACCORDANCE WITH ACI 301 SECTION 4.2.4 8.9 <u>AUCENTX STATUSCONUTT</u>
1.9 UNDERGROUND CONDUTTAL ESCREDULE 40 PVC CONDUTT OR ETTER AS REGULERD BY LOCAL JURISDICTION AND/OR UTLITY. UNDERGROUND PVC CONDUTT SHALL TRANSITION TO RIGID GALVANZED STELL O INDERGROUND SHALL ESCREDULE 40 PVC CONDUTT OR SCHEDULE 80 PVC CONDUTT.
2. GRS CONDUTS SHALL ESCREDULE 40 PVC CONDUTT OR SCHEDULE 80 PVC CONDUTT.
2. GRS CONDUTS, WHEN SPECIFIED, SHALL MEET U. 6 FOR GALVANZED STELL, GRS IGONDATION CONDUTT SHALL ESCREDULE 80 PVC CONDUTT.
3. ELECTIFICAL, METALLO TUBING (EMT) OR RIGO. NONNETALLE CONDUTT (RIGO PVC SCHEDULE 40 ADMIXTURE SHALL CONFORM TO THE APPROPRIATE ASTM STANDARD AS REFERENCED IN ACI-301 CONCRETE FOR REPLACEMENT CONCRETE SIDEWALKS OR DRIVEWAYS SHALL BE PLACED TO A THICKNESS NOT LESS THAN 6", AND NOT MORE THAN THE THICKNESS OF THE ADJACENT CONCRETE SIDEWALK OR DRIVEWAY. DO NOT WELD OR TACKWELD REINFORCING STEEL 4. ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (RIGID PVC SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS. ALL DOWELS ANCHOR BOLTS EMPEDMENT STEEL ELECTRICAL CONDUITS PIPE SLEEVES, GROUNDS AND ALL OTHER EMPEDDED ITEMS AND FORMED DETAILS SHALL BE IN PLACE REFORE START OF CONCRETE PLACEMENT 5 LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OLITDOORS. WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED INTION JOINTS REGUIRED TO FACILITATE CONSTRUCTION AS ACCEPTABLE TO ENGINEER, DI ACE REINFORCEMENT CONTINUIDUSI Y THR 6 DUIG AND CAD EACH END OF SDADE AND EMDTY CONDUITS AND DROVIDE TWO SEDARATE DUIL STRINGS - 200 B TEST DOLVETHYLENE COD 6. PLUS AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS - 200 LB. TEST POLYETHYLENE CORD. 7. ALL CONDUIT BEINS SHALL BE MINIMUM OF 24-INCH RADIUS. 8. ALL METALLIC RACEWAYS SHALL BE GROUNDED PER NEC. 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 6. LOCATE AUDITIONAL CONSTRUCTION FORCINGS OF TOTALITATE CONSTRUCTION AS ACCEPTAGE TO ENGINEER. FOLICE REINFORCEMENT CONTINUOUS IT THROUGH JUNT. REINFORCEMENT SYNLL BE COLD BEAUTINE THREE INFORMENT REPORTS IN STRUCTURE. 8. PLACE CONCRETE IN A UNIFORM MANNER 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 CHITES OR FORMWORK DO NOT PLACE CONCRETE IN PONDING WATER, ICE, OR ON FROZEN GROUND. LO ROT TORGE CONCELENT ORDER OF TRADER OF TORGET & PLACEMENT, CONFORM TO APPLICABLE ACI CODES AND RECOMMENDATIONS. IN EITHER CASE, MATERIALS CONTAINING CHLORIDE, CALCIUM, SALTS, ETC, SHALL NOT BE USED. PROTECT FRESH CONCRETE FROM WEATHER FOR 7 DAYS MINIMUM 6 10 ELCIV GRADE 1. THIS STE MULLIDES NEW CRITICAL UNDERGROUND ELECTRIC, TELEPHONE AND OTHER SERVICES IN THE VICNITY OF OTHER UNDERGROUND SERVICES AND EQUIPMENT SUPPORTS. THE CONTRACTOR SHALL TAKE CONTRACTOR SHALL ALSO CONTACT ELECTRIC AND TELEPHONE, AND ALL OTHER APPROPRIATE AGENCIES PRIOR TO EXCAVATION AT THIS SITE. FIBER REINFORCED CONCRETE MIX. IF SPECIFIED. SHALL INCLUDE 1 ½ LBS. OF FIBER PER CUBIC YARI WASTE CEMENT FROM CLEANING OF CONCRETE DELIVERY TRUCKS SHALL NOT BE ALLOWED TO ENTER THE STORM DRAIN OR SEWER SYSTEM 2. PRIOR TO EXCAVATION, A UTILITY MARK OUT SHALL BE DONE TO LOCATE EXISTING UNDERGROUND UTILITIES. ALL UNDERGROUND UTILITIES MUST BE LOCATED AND MARKED OUT PRIOR TO ANY EXCAVATION WORK THE OWNER OR OWNER'S REPRESENTATIVE DURING THE SITE'S HANDOFF. . FOUNDATION I GENERAL 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. 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 APPROVE 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 EARTHWORK OPERATIONS, GROUND WATER AND SURFACE WATER CONTROL MEASURES NEED TO BE TAKEN. 5. UNDERGROUND 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 REQUIREMENTS ALL BURIED CONDUIT S H ELECTRICAL MARKER TAPE. TAPE SHALL BE PLACED 12" ABOVE CONDUIT FOR EASY IDE 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 6.11 EQUIPMENT 1. THE MAIN CIRCUIT BREAKER SHALL BE RATED FOR STANDARD A.I.C. RATING HIGHER THAN INCOMING EQUIPMENT A.I.C. -PROVE TO CLARGINGUISTICS INTO THAT PERMANENTS INTO LINE, THE SILE SHARLE & IMPLETED OF ALL SUPPLIES TO LINE, THE SILE AND CHARMER MARKEMANE MARKEMANE AND CHARMER 1. THE MAIN CIRCUIT BREAKEN SHALL BE RALED FOR STANDARD ALC. KATING HIGHEL THAN INCOMING SQUIPMENT ALC. 2. ALL EQUIPMENT SHALL BE BRACED FOR STANDARD ALC. RATING HIGHER THAN INCOMING FROM UTILITY CO. 3. THE CONTRACTOR SHALL PROVIDE AN ITEMZED CERTIFICATION TO THE CARRIER OF ALL EQUIPMENT AND RELATED HARDWARE, SPECIFIED TO BE PURCHASED AND INSTALLED BY THE CONTRACTOR, WHERE ORDER 4. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH ITS VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POW ALL STRUCTURE FULL EXTEDUING 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 SZE, COMPACTED TO 55%, OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY AS STETERIMED BY SATURD TO STRU LYCERE 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 SZE, COMPACTED TO 55%, OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY AS STETERIMED BY SATURD TO STRU LYCERE SUB GRADE TO 55%, OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY AS STETERIMED BY SATURD STRU LYCERE SUB GRADE TO 55%, OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY AS STETERIMED BY SATURD STRU LYCERE SUB GRADE TO 55%, OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY AS STETERIMED BY SATURD STRU LYCERE SUB GRADE TO 55%, OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY AS STETERIMED BY SATURD STRU LYCERE SUB GRADE TO 55%, OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY AS STETERIMED BY SATURD STRU LYCERE SUB GRADE TO 55%, OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY AS STETERIMED BY SATURD STRU LYCERE SUB GRADE TO 55%, OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY AS STETERIMED BY SATURD STRU LYCERE SUB GRADE TO 55%, OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY AS STETERIMED BY SATURD STRU LYCERE SUB GRADE TO 55%, OF THE MODIFIED PROCTOR STRUCTURE SUB GRADE TO 55%, OF THE MODIFIED PROCTOR STRUCTURE SUB GRADE TO 55%, OF THE MODIFIED PROCTOR STRUCTURE SUB GRADE TO 55%, OF THE MODIFIED PROCTOR STRUCTURE SUB GRADE TO 55%, OF THE STRUCTURE SUB GRADE THE SOIL PREPARATION, INCLUDING FOOTING EXCAVATION, FILL, BACK FILL, AND COMPACTING SHALL BE DONE FOLLOWING THE RECOMMENDATION CONTAINED IN INTERNATIONAL BUILDING CODE (2012) 5. METAL RECEPTACLE, SWITCH 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 WE 6. NONMETALLIC 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. PROPORTIONS OF CONCRETE MATERIALS SHALL BE SUITABLE FOR THE INSTALLATION METHOD UTILIZED AND SHALL RESULT IN DURABLE CONCRETE FOR RESISTANCE TO ANTICIPATED AGGRESSIVE ACTIONS IN THE VICINITY OF THE FOUNDATION. THE DURABILITY REQUIREMENTS OF ACI 318 CHAPTER 4 SHALL BE SATISFIED BASED ON CONDITIONS EXPECTED AT THE SITE. AS A MINIMUM, CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI (20.7 MPa) IN 28 DAYS. 6.12 TRANSIENT VOLTAGE SURGE SUPPRESSION (TVSS) 1. 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 BTS CABINET FOR OUTDOOR SITES, TO PROTECT AGAIN CONCRETE MATERIALS SHALL CONFORM TO THE APPROPRIATE STATE REQUIREMENTS FOR EXPOSED STRUCTURAL CONCRETE. WELDING IS PROHIBITED ON REINFORCING STEEL EMBEDMENTS. VINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE 3 INCHES (78MM) UNLESS OTHERWISE NOTED APPROVED SPACERS SHALL BE USED TO INSURE A 3' (78MM) MINIMUM COVER ON REINFORCEMENT MINIMUM CONCRETE LE ODVERTION REINFORCEMENT STALL DE SINCHES (RAMINU) INCLESS OTHERWISE NOTED. APPROVED SPACERS STALL DE USED TO INSURE A 3 CONCRETE COVER FROM THE TOP OF POUNDATION TO EXIGO OF REINFORCEMENT SHALL NOT SCIED 3 NORES (RAMIN) KOR BE LESS THAN JUNCHS (SIMM). FOOTING IS DESIGNED TO BEAR ON EXISTING NATURALLY OCCURRING, NON-EXPANSIVE SOILS, OR ENGINEERED FILL CAPABLE OF SAFELY SUSTAINING 2020 PSI. IF SOL PROPERTIES WEER KOT AVAILABLE, THE FOUNDATION DESIGN HAS BEEN DEVELOPED IN ACCORDANCE WITH GENERALLY ACCEPTED PROFESSIONAL BASED ON SOLL PRAMETERS FROM THE ADOVE REFERENCED BUILDING COME SA FOLLOWS: 4. A T1 TRANSPORT TVSS DEVICE SHALL BE INSTALLED AT ALL SITES BETWEEN THE NTU AND THE BTS. GROUNDING 7 GROUMME 1 GROUM AND ADDREEMED AND HOTES 1 GROUM AND ADDREEMED AND HOTES 1 FOLLOWING COMPLETION OF WORK, CONDUCT GROUND TEST. OWNER'S REPRESENTATIVE WILL INSPECT CADVELDS AND REVIEW GROUND TEST FROM TO BURGAL. USE CLEAN SAND AND CLAY BACKFILL FOR BURGE POLICIPACIES ALLOWABLE SOIL BEARING PRESSURE = 2000 PSE ALLOWARD SUIL BEAVING INVESSURE # 2000 PSF
 ALLOWARD SUING RESISTANCE # 190 PSF/T.
 ALLOWARD SUING RESISTANCE # 190 PSF/T.
 FOUNDATION SHALL BE FORMED WITH PLYWOOD OR METAL PANELS SUFFICIENT FOR STRUCTURAL AND VISUAL REQUIREMENTS. FORMS SHALL BE STRUCTURALLY ADEQUATE TO WITHSTAND UNCURED CONCRETE PRESSURE. FORMS SHALL BE REMOVED ONCE CONCRETE HAS ATTAINED 75% OF ITS ULTIMATE
 STREMATH
 STREMATH 2. ALL DETAILS SHOWN ARE DIAGRAMMATICAL ACTUAL GROUNDING INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS. ALL DE INCLOS SINUMI ARE UNADMINIMULAL. ALL UNA UNADMINISTI ALLA LINA AND UNAS INDUI ION MAY UNAS UDE LO SI ES SINUTAD COMMUNITORS. NOTIV CONSTITUTO MANAGERI PITTERE ARE ANY DIFICULTISTI INSTALLION AND UNAS INDUI ION MAY UNAS LO SINUTADO CONTONS. GROUND CONNECTIONS. WHERE GROUND CONNECTIONS ARE MADE, THE CONTACT POINTS SHALL BE THOROUGHLY CLEANED AND MADE FREE OF FOREIGN MATERIAL SUCH AS PAINT, GALVANIZATION, AN ANTUCINIZATION CONNECTIONS. THE CONTRACTOR SHALL EXPECT SUBMERGED DRILLING CONDITIONS FOR DEEP FOUNDATION CONSTRUCTION SUCH AS DRILLED PIERS OR DEADMAN ANCHORS AND SHALL MOBILIZE ACCORDINGLY S. GROUND WIRE: OUTSIDEUNDERGROUND, MINIMUM NO. 2 AMERICAN WIRE GAUGE (AWG) BARE. SOLID, ANNEALED, TINNED COPPER WIRE (BTCW) BUT SIZED IN ACCORDANCE WITH NEC TABLE 250.86, SERVICE S ACCEPTABLE. ALL BURED WIRE SHALL BE INSTALLED TO MEET MINIMUM BEND RADIUS, SHARP BENDS AND KINKS ARE NEVER ACCEPTABLE. WHEN ANY GROUNDING OR BONDING WIRE RUNS THROUGH CONCR THROUGH HOR SIM MURET LA INFERTS OR SUBPORTS A. THE CONTRACTOR SHALL BAPELT SUBMENDED DRILLING CONTRONS FOR DEEP FOLOADATION CONSTRUCTION SUCH AS DRILLED PRISS ON DEALMAIN ANALHORS AND SHALL MOBILER ACCORDANCE WITH GENERALLY ACCEPTED INSTALLATION SHALL AS UPERVISED BY PERSONNEL KNOWLEDERBALLE AND EXPERIENCED WITHIN THE PROPOSED FOUNDATION TYPE. CONSTRUCTION SHALL BE IN ACCORDANCE WITH GENERALLY ACCEPTED INSTALLATION PRACTICE B. FOUNDATION DESIGN ASSUMES FILED INSPECTIONS WILL BE PERFORMED TO VERIFY THAT CONSTRUCTION MATERIALS, INSTALLATION WITHOUT SHALL SHALL BE IN ACCORDANCE WITH GENERALLY ACCEPTED INSTALLATION PRACTICE B. FOUNDATION DESIGN ASSUMES FILED INSPECTIONS WILL BE PERFORMED TO VERIFY THAT CONSTRUCTION MATERIALS, INSTALLATION WITHODS, AND ASSUMED DESIGN PARAMETERS ARE ACCEPTABLE BASED ON CONDITIONS EXISTING AT THE SITE 0. CONCRETE SHALL BE PLACED IN A MANNER THAT WILL PREVENT SEGREGATION OF CONCRETE MATERIALS, INFILITATION OF WATER OR SOIL AND OTHER OCCURRENCES WHICH MAY DECREASE THE STRENGTH OR DURABILITY OF THE FOUNDATION. UND WITE INSUE WITE SHALL BE NO. 2 AVC THIN OR THIN-2 CLASS B STRANDED COPPER CABLE RATED FOR 90 WC (WET AND DRY) OPERATION, GREEN INSULATED (A HIGH-STRAND COUNT WIRE IS PREFE FREE FALL CONCRETE MAY BE USED PROVIDED FALL IS VERTICAL DOWN WITHOUT HITTING SIDES OF EXCAVATION. FORM WORK, REINFORCING BARS, FORM TIES, OR OTHER OBSTRUCTIONS, UNDER NO CIRCUMSTANCES SHALL CONCRETE FALL THROUGH WATER FOUNDATION DESIGN ASSUMES CONTINUOUS CONCRETE PLACEMENT WITHOUT CONSTRUCTION JOINTS. OP OF FOUNDATION OUTSIDE LIMITS OF ANCHOR BOLTS SHALL BE SLOPED TO DRAIN WITH A FLOATED FINISH. AREA INSIDE LIMITS OF ANCHOR BOLTS SHALL BE LEVEL. WITH A SCRATCHED FINI VOIS OF CONTRACTS OF CONCRETE SHOULD BE CONTRACTS OF CONT 8. EXOTHERMIC WELDING: EXOTHERMIC WELDS SHALL BE CADWELD. A REGISTERED TRADEMARK OF ERCO PRODUCTS. INC. OF CLEVELAND, OHIO, OR THERMOWELD. A DIVISION OF CONTINENTAL INDUSTRIES, INC. OF EXD INTERNME, TRELINKE, LOWING THE CONTRUCT, A REGISTERED IN AUGMENTAVE READ PRODUCTS, INC. OF INCOMENDATION INTERNMENDEL, DUPICIÓN OF CARLINER LA LINGUISTICES, INC. OF INCOMENDATION INTERNMENDEL, DUPICIÓN OF CARLINER LA LINGUISTICES, INC. OF INCOMENDATION OF CARLINER LA LINGUISTICES, INC. OF INCOMENDATIONAL DE LA LINGUISTICES, INC. OF INCOMENDATIONAL DE LINGUISTICES, INC. OF INCOMENDATION OF INCOMENDATIONAL DE LA LINGUISTICES, INC. OF INCOMENDATIONAL DE LINGUISTICES OF A HALLON COMPERATIONAL OF RECENTE LA LINGUISTICES, INC. OF INCOMENDATIONAL DE LINGUISTICES OF INCOMENTALISTICES OFFICIALISTICES THE CONTRACTOR MIGHT HAVE TO BUILD THE FOUNDATION WITH SUBMERGED 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. 2 DRILLED SHAFT ES SHALL BE BRACED TO RETAIN PROPER DIME HANDLING AND THI HOUT PLACEMENT OF CONCRETE. WHEN TEMP CAGES ARE UTILIZED. BRACING SHALL BE ADEQUATE TO RESIST FORCES OCCUR 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). PACERS SHALL BE ATTACHED INTERMITTENTLY THROUGHOUT THE ENTIRE LENGTH OF VERTICAL REINFORCING CAGES TO INSURE CONCENTRIC PLACEMENT OF CAGES IN EXCAVATION O INDATION DESIGN MODIFICATIONS MAY BE REQUIRED IN THE EVENT OF THE FOLLOWING DESIGN PARAMETERS ARE NOT APPLICABLE FOR THE SUBSURFACE CONDITIONS ENCOUNTERED. 3. INSULATORS: POLYESTER FIBERGLASS, 15 KV MINIMUM DIELECTRIC STRENGTH, FLAME RESISTANT PER UL 94 VO CLASSIFICATION R FOUNDATION AND ANCHOR TOLERANCES REFER TO TOWER MANUFACTURER DRAWINGS FOR SPECIFIC JOB NUMBER AND DATE. IN ABSENCE OF MORE SPECIFIC INFORMATION, THE CONTRACTOR MAY USE THE FOLL 14. CUPS: WHEN SECURING ANY GROUND WIRES, SOLID OR STRANDED, INSULATED OR UNINSULATED, NEVER USE ANY CUPS OR OTHER DEVICES THAT ARE CONDUCTIVE AND FORM A CLOSED LOOP. METALLIC CLIPS -24 OF SHAFT DIAMETER (MA) 15. GROUND CLAMP: BURNDY GAR STYLE UL CLAMP WITH TWO-HOLE PROVISIONS FOR LONG BARREL MULTIPLE CRIMP TWO-HOLE LUGS. 6. COAX GROUNDING KT: COAX GROUND KTS SHALL BE FROM THE SAME MANUFACTURER AS THE COAX. GROUND KTS SHALL BE SOLD STRAP TYPE WITH NO. 6 AWG WIRE AND 2HOLE COMPRESSION CRIMPED LU OR HOSE CLAMP TYPE SHALL NOT BE USED. SOLD COPPER STRAP TYPE WITH SINGLE HOLE LUGS SHALL NOT BE USED. ALL COAX CABLES ARE TO BE GROUNDED AT THEIR SECTOR COB, MIT THE SHALTER YMALL, AMOPOINT COBS I ON IT REQUIRED THE COAX LEGATI HEXCERS 200, YMAVEGUIRE RITIGGE COBIS ONLY REQUIRED INVERTO HEAD THE LOTAL THE SHALTER YMAVEGUIRE RITIGGE COBIS ONLY REQUIRED INFO CABLE FROM THE COAK LEGATI HEXCERS 200, YMAVEGUIRE RITIGGE COBIS ONLY REQUIRED INFO FOLKIENTER TO EQUIPMENT THE SHELLER WALL A MUPONT COS IS ONLY TREQUIRED IF THE CUAX LEWSTHE SACEUS AUX. A WAYEVOLUDE RADGE CUS IS ONLY REQUIRED WHEN THE LEN IN THE CABLE PROM TOWER TO EQUIPMENT JIS GREATE TV. KEATHERPROFING, ALL CAS GROUND KITS SHALLE WEATHERPROFED ONLY GROUND KITS APPROVED BY THE COX MANUFACTURER SHALL BUSED. 18. METALLIC CONDUIT: MY GROUND RODS WIRES, SOLID OR STRANDED, THAT PASS-THROUGH CONDUIT, METALLIC SLEEVE, OR CABLE COVER, SHALL BE BONDED AT BOTH ENDS. 19. MATEINA GROUNDING - ALL ANTEINAS (INCLUDING THE GPS ANTEINAS) ARE GROUNDED BY THEIT MOUNTSMASTE AND BY THE GROUND KITS ON THE COXARL CABLE CONNECTED TO THE COXAR COMBINE MITEINAS AMUNATCUTERER. THE GPS ANTEINANS) AND CONSCIENCE TO THE COXA CONDID BAR AT THE END OF THE GROUND KITSOL. THE DESIGN RESIDENCE OF THE RESIDENCE OF THE PAGE CONTINUES. THE RESIDENCE OF THE PAGE CONTINUES OF CONTINUES OF CONTINUES THE INFORMATION OF CONTINUES OF CONTINUES THE INFORMATION OF CONTINUES OF CON ELECTRICAL ANTENNA'S MANUFACTURER. THE OPS ANTENNA(S) MUST EE INSTALLED AND CONNECTED TO THE COXU AROUND BAR AT THE END OF THE WAVEGUIDE BRIDGE. 20. ANTI-OLIDITATION COMPONID. ANTI-DISTANTIAL DE MANS AND ESTS A COMPARILED (IN OR) DE L'ILUE, INC, ORE UNRY PRENTRA'S. – ANTI-OXIDATION COMPOUND SHALL EE APPLIED BETWEEN 21. SERVICE DISCONNECT GROUNDING: IF THERE IS A SERVICE DISCONNECT SEPARATE FROM THE PPC MAIN CIRCUIT BREAKERS, THE NUTRAL TO AROUND BOND SHALL BE MADE AT THE SERVICE DISCONNECT SINT 20. GROUND CONNECTION SHOLD EN ITHE PPC: IT & CRITICAL THAT ONLY ORE NUTRALITY TO GROUND DO NOL SHALL BE INTER EVALUE DISCONNECT SINT 20. GROUND CONNECTION SHOLD EN ITHE PPC: IT & CRITICAL THAT ONLY ORE NUTRALITY TO GROUND DO NOL SHALL BE INTER EVALUE DISCONNECT SINT 20. GROUND CONNECTION SHOLD EN ITHE PPC: IT & CRITICAL THAT ONLY ORE NUTRALITY TO GROUND DO NOL SHALL BE MADE AT THE SERVICE DISCONNECT SINT 20. GROUND CONNECTION SHOLD EN ITHE PPC: IT & CRITICAL THAT ONLY ORE NUTRALITY. ACTOR SHALL PROVIDE ALL LABOR. MATERIALS. INSURANCE. EQUIPMENT. TRANSPORTATION. CONSTRUCTION TOOLS. ETC. FOR THE INSTALLATION OF COMPLETE AND PROPERLY OPERATING SYSTEMS. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LAWS AND ORDINANCES OF ALL AUTHORTIES HAVING JURISDICTION AND WITH ALL ASSOCIATED UTILITY COMPANY REGILATIONS AND APPLICABLE REQUIREMENTS. INSTALLATION WILL ALSO COMPLY WITH THE LATEST EDITIONS OF ALL CODES AND STANDARDS OF THE ENTITIES LISTED UNDER ITEM #1.1, PARAGRAPH 1. THE MOST STRINGENT CODE WILL APPLY IN THE CASE OF DISCREPANCIES 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 8.1 COAXIAL CABLE REQUIREMENTS: RECORD DRAWINGS: MAINTAIN A RECORD OF ALL CHANGES, SUBSTITUTIONS BETWEEN WORK AS SPECIFIED AND INSTALLED. RECORD CHANGES ON A CLEAN SET OF CONTRACT DOCUMENTS WHICH SHALL BE TURNED OVER TO THE CONSTRUCTION MANAGER UPON COMPLETION OF THE PROJECT 1 QUARDE CABLE REQUIREMENTS; GENERAL: PROVIDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY FOR RECEIVING, INSTALLING, TESTING, AND ADJUSTING ANTENNA CABLES FROM THE ANTENNA TO THE CONNECTIONS AT THE BASE TRAN COMPLETE OPERATING SYSTEM ANTENNA, ANTENNA CABLES, CONNECTORS, AND FITTING SHALL BE THIRD PARTY FIJINISHED COMPONENTS AS SHOWN ON THE BILL OF MATERIALS AS ALE ORD DUMINISTIC INVESTIGATION OF A DEVICE SUBJECT OF AND A DEVICE INTERNATION OF A DEVICE INTERNATI 2. INSTALLATION
A. COAXIAL CABLE LENGTHS SHALL BE FIELD MEASURED. INSTALLER SHALL NOTIFY CARRIER PRIOR TO PURCHASE OF CABLE OF THE OVERALL LENGT THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES, AS NECESSARY. O NOT INTERRUPT EXISTING SERVICES WITHOUT WRITTEN PERMISSION OF THE OWNER OF THAT SERVICE AND WRITTEN PERMISSION OF THIS INSTALLATION'S CARRII COAXIAL CABLE TYPE AND DIAMETER SHALL BE VERIFIED WITH CARRIER. UD ND IN IERROP LEASTING SERVICES WITHOU WITH TEMPERANSAUR OF THE WITHER OF THAT SERVICE AND WITH TEMPERANSAUR OF THIS IN IS ALCALITICS CARGER. CHANGES: NO ADDITIONAL COSTS FOR LAGOR OF MATERIALS WILL BE ALLOWED FOR CHANGES OR MODIFICATIONS MADE UNLESSING OF THIS IN IS ALCALITICS CARGER. DRAWINGS: LECTRICAL DRAWINGS ARE DIGRAMMATIC IN NATURE AND ARE NOT TO BE SCALED. DISCREPANCIES: DISCREPANCIES ON THESE PLANS, SPECIFICATIONS, ETC. MUST BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER. COAXIAL CABLES SHALL BE LABELED IN ACCORDANCE WITH CARRIER ELECTRICAL MATERIALS AND METHODS SPECIFICATIONS. ALL MAIN CABLES WILL BE COLOR CODED AT FOUR LOCATIONS: A) AT ANTENNE ENTRY PORT (AT THE SHELTERCASINET WALL) D) INTERIOR OF THE SHELTERCABINET. INSTALL CONNECTIONS TO COAXIUL CABLE AT BOTH THRONG INSTALING AND BTS LOCATION). UPON SUCCESSFUL COMPLETION OF THE SWEEP TEST, THE CONTRACTOR SHALL PROVIDE A WEATHERTIGHT SEAL ON THE COAX CABLES AT THE ANTENNA CONNECTION ONLY. SURVEY AND CONDITIONS. VISIT THE JOB SITE PRIOR TO SUBMITTING BID, AND MAKE A SURVEY OF EXISTING CONDITIONS WHICH MAY AFFECT THE WORK TO BE PERFORMED. NO OTHER ALLOWANCES WILL BE GIVEN FOR THE SITE CONDITION. CO-OPERATION: CO-OPERATE WITH OTHER CONTRACTORS AND SUBCONTRACTORS ON SITE ARRANGE AND EXECUTE WORK IN SUCH A MANNER AS REQUIRED FOR THE SATISFACTORY AND EFFICIENT CONSTRUCTION OF THIS PROJECT BY ALL TRADES CONCERNED. THE MINIMUM BENDING RADIUS FOR ALL ANTENNA CABLES SHALL BE AS SHOWN BELOW OR PER THE MANUFACTURER, CABLE IN AIR OR CABLE TRAY IN CONDUIT INSTALLATION SHALL COMPLY SPECIFICALLY WITH ENGINEERING STANDARDS MANUAL ANY DEVIATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER PRIOR TO COMMENCEMENT OF WORK 2 INSPECTIONS GENERAL: DURING AND UPON COMPLETION OF WORK, ARRANGE AND PAY ALL ASSOCIATED INSPECTIONS OF ALL ELECTRICAL WORK INSTALLED UNDER THIS CONTRACT IN ACCORDANCE WITH THE CONDITIONS OF THE CONTRACT 3 CABLES SHALL BE IN ALLED 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. A. GROUNDING KITS - AFTER INSTALLATION OF GROUND STRAPS, THE CONNECTIONS SHALL BE MADE WEATHER TIGHT USING WEATHERPROOF KITS AS IDENTIFIED. GROUND PIGTALS SHALL BE BROUGHT OU SYSTEM SPECTIONS AGENCY: APPROVED BY THE LOCAL AND/OR STATE AGENCIES HAVING JURISDICTION AT THE PROJECT SITE.

8.2 ANTENNA REQUIREMENTS: 1. AZIMUTHS ARE ORIENTED CLOCKWISE FROM TRUE NORTH.

VPE AZIMUTHS AND DOWNTILTS WITH THE CARRIER PRIOR TO CONSTRUCTION

ERTIFICATES: SUBMIT ALL REQUIRED INSPECTION CORTICATES TO THE CARRIER AND UTILITY

3 HANGERS AND SUPPORTS MATERALS: ALL HANGERS, SUPPORTS, FASTENERS AND HARDWARE SHALL BE ZINC COATED OR OF EQUIVALENT CORROSION RESISTANCE BY TREATMENT OR INHERENT PROPERTY AND SHALL BE MANUFACTURED PRODUCTS DESIGNED FOR THE APPLICATION. PRODUCTS FOR OUTDOOR USE SHALL BE HOT DIP MATERALS: ALL HANGERS, SUPPORTS, FASTENERS AND HARDWARE SHALL BE ZINC COATED OR OF EQUIVALENT CORROSION RESISTANCE BY TREATMENT OR INHERENT PROPERTY AND SHALL BE MANUFACTURED PRODUCTS DESIGNED FOR THE APPLICATION. PRODUCTS FOR OUTDOOR USE SHALL BE HOT DIP

YPES: HANGERS, STRAPS, RISER SUPPORTS, CLAMPS, U-CHANNEL, THREADED RODS, ETC., AS INDICATED OR REQUIRE

NSTALLATION: RIGILY SUPPORT AND SECURE ALL MATERIAL, RACEWAY AND EQUIPMENT TO BUILDING STRUCTURE USING HANGERS, SUPPORTS AND FASTENERS SUITABLE FOR THE USE ON MATERIALS AND LOADS ENCOUNTERED, PROVIDE ALL NECESSARY HARDWARE, PROVIDE CONDUIT SUPPORTS AT

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

MISCELLANEOUS SUPPORTS: PROVIDE ANY ADDITIONAL STRUCTURAL SUPPORT STEEL BRACKETS, ANGLES, FASTENERS AND HARDWARE AS REQUIRED TO ADEQUATELY SUPPORT ALL ELECTRICAL MATERIALS AND EQUIPMENT

ONE-HOLE STRAPS SHALL NOT BE USED FOR CONDUITS LARGER THAN % INCH

OR NEMA 3R (OR BETTER) OUTDOORS. LIEU OF CORE-DRILLED, PROVIDE SLEEVE IN ROUGH OPENING. SIZE SLEEVES TO PROVIDE AN	e	exten		JR NET RYWH	TWORK. IERE.
RATED SEAL. REFER TO CUTTING AND PATCHING NOTES UNDER SECTION 1 - GENERAL.		ANS PREPARED B	V:		
MAGE TO THE EXISTING ROOFING MEMBERANE SHALL BE REPAIRED IMMEDIATELY TO AVOID TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.		C SYN	IER		TIC
HAN NO. 8 AWG. USE PRESSURE-TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG	w	MANSFIEL ww.ucseng.com	D, MA 020		337-7600
otection, or equal). The identification method shall conform with NEC and Osha					
ED IN THE EXECUTION TO ENSURE THE BEST POSSIBLE INSTALLATION. IOULC NAMEPLATES WITH ½ INCH CHARACTERS, SECURELY AFFIXED TO FACE OF CABINET. AT DESIGN OR RATED CAPACITY.		ARLES GATE BOSTON,	-		I
ER'S REPRESENTATIVE.		SUFFOLK	COUI	NTY	
DR LOCATIONS.	P.I	E. STAMP AREA: •			
E DONE IN A PROFESSIONAL MANNER. E ALL NECESSARY PRECAUTIONS TO AVOID SERVICE DISRUPTION TO THESE FACILITIES. THE KBEING PERFORMED. PHOTOS SHALL BE TAKEN OF ALL UNDERGROUND WORK AND GIVEN TO ED BY THE CONSTRUCTION MANAGER.					
RED WITHIN 24 HRS. OF THE NOTICE TO PROCEED. VER OR CAPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (I.E. PANELBOARD AND CIRCUIT REATHER-PROTECTED (WP OR BETTER) OUTDOORS.					
NST LIGHTING AND TRANSIENT VOLTAGES.		RAWING NOTES: •			
JURISDICTION, AND MEETS THE CARRIER'S ELECTRICAL AND GROUNDING SPECIFICATIONS. ED GROUND CONDUCTORS.					
ID CORROSION, TO ENSURE ADEQUATE BOND. REFER TO EXOTHERMIC WELD, LUGS, AND					
SIZE, AND LOCAL UTILITY REQUIREMENTS. UNDER NO CIRCUMSTANCES IS STRANDED WIRE WETE, IT SHALL BE SLEEVED IN PVC. GROUND WIRES SHALL NOT BE INSTALLED OR ROUTED		RIGINAL PLAN: — F [.]	AS NOTE	Ð	
RED). IERMICALLY WELDED GROUND RODS. THE BCR DESIGN SHOULD RESULT IN 10 OHMS OR LESS		WN BY:	DC		
DPPER GROUND RODS, CHEMICAL GROUND RODS ATTACHMENTS, AND GROUND LEADS FROM KR AT A MINIMUM DEPTH OF TWO FEET, SIX INCHES, AND WITH NO BEND HAVING A RADIUS OF D-66. EVERY EFFORT SHALL BE MADE TO ENSURE THAT ALL GROUND PATHS TO THE BGR ARE	PLAN	ORIG. DATE:	07/18/1	9	
TULSA OKLAHOMA OR EQUIVALENT.		VISIONS:			
CRODE SHALL BE MADE OF A MINIMUM OF 2-INCH LD. TYPE K COPPER TUBE WITH A MINIMUM ZONTAL L-SHAPE CHEMICAL GROUND RODS ARE ACCEPTABLE. LATE WITHIN 16M INCH. BARS SHALL BE 'S MOLT HICK SOLD ELECTRICAL GRADE COPPER WER STRUCTURAL STELL HOWEVER DO NOT DRILL HOLES OR USE EXSTINCTION. STELL HOVEVER DO NOT DRILL HOLES OR USE SCHOL AL INTEGRITY OF THE TOWER AND INCREASE CHANCES OF CORROSION.	REV 1	DESCRIPT		BY EP	DATE 11/27/19
ARE ACCEPTABLE IF THEY DO NOT FORM A CLOSED LOOP.				+	
USG (INSTALLED USING THE PROPER UL TOOL AND CIRCUMFERENTIAL HEXAGON DIE), BRAND DPOINT CGB (IF REQUIRED), BOTTOM CGB, WAVEGUIDED BRIDGE CGB (IF REQUIRED), AND AT R THAN 15 FEET.					
S. DO NOT INSTALL SEPARATE ANTENNA GROUND CONNECTIONS UNLESS SPECIFIED BY THE					
N LUG AND GROUND BAR ONLY, DO NOT COVER THE LUG. CH LOCATED SEPARATELY AND ON THE SUPPLY SIDE OF THE PPC CABINET AND NO NEUTRAL		TE INFO:			
ISMISSION SYSTEM (BTS). THIS SHALL INCLUDE ALL EQUIPMENT SHOWN OR REQUIRED FOR A	LAT LON	NG: -71.091			
NA PRIOR TO JUMPER, B) AT THE BOTTOM OF THE TOWER, C) EXTERIOR PART OF THE WAVE	EXTE NE- SITE	nBOS1049 INET NODE ID: -MA-BSTN50 ADDRESS:			
UT IN THE DOWNWARD DIRECTION FROM THE CONNECTION SHALL BE MADE TO GROUNDING	SHEE	ARLES GATE ET TITLE: GENERA HEET NUMBER: -			
			N-2		

PLANS PREPARED FOR: -