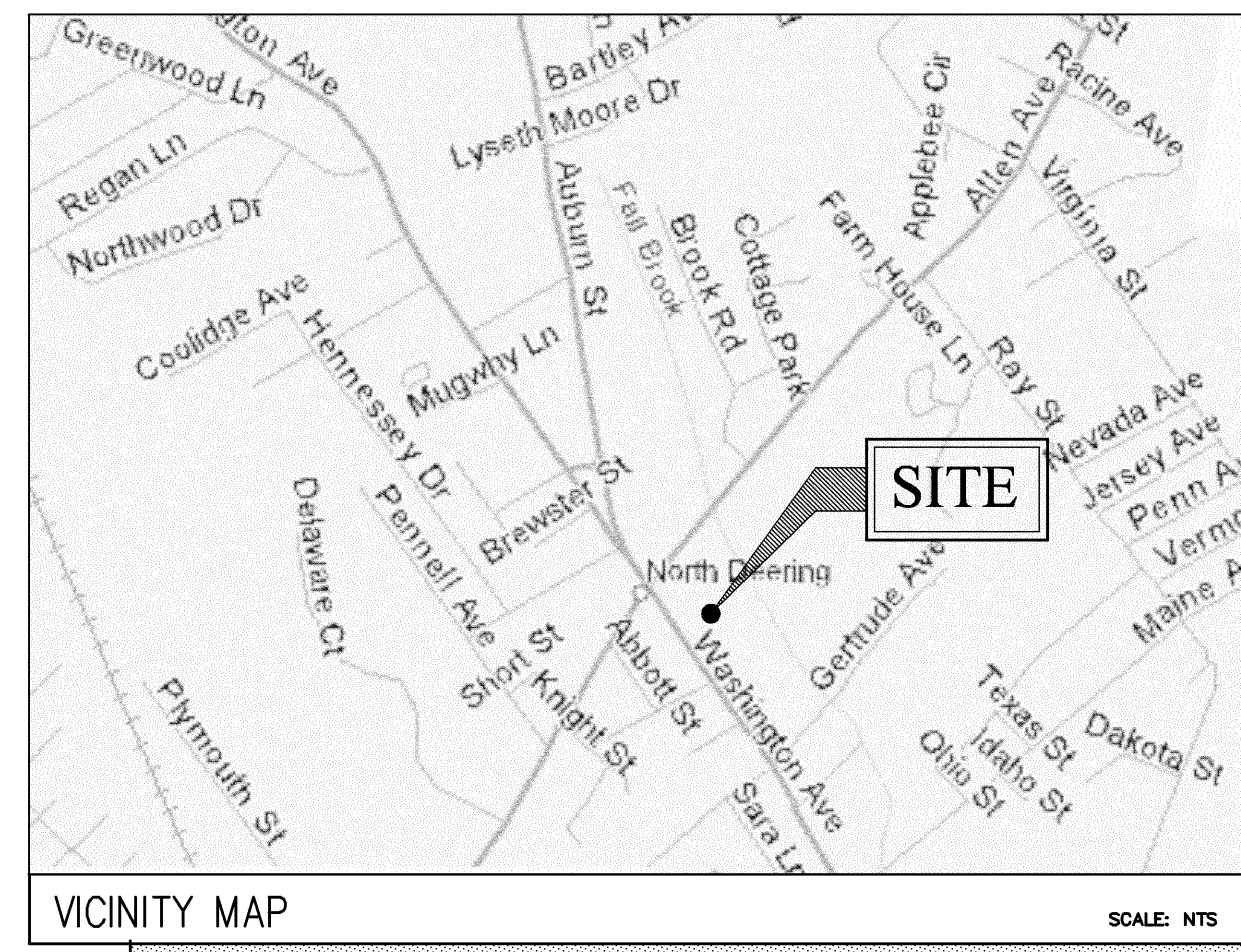


US Cellular

We connect with youSM

SITE NAME: NORTH DEERING
SITE NO. 853408
LATITUDE: 43°42'04.01"
LONGITUDE: 70°17'05.03"

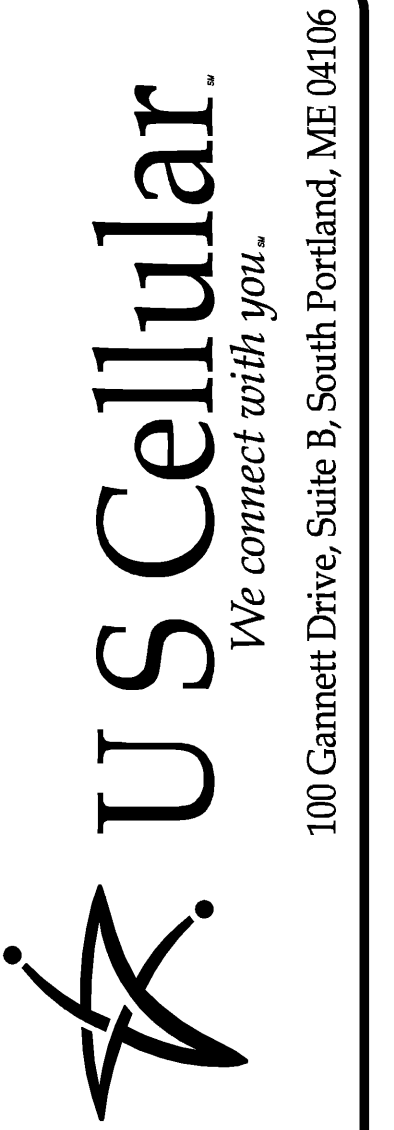
SITE NUMBER:	NORTH DEERING 853408
TOWER TYPE:	230' LATTICE TOWER (EXISTING)
SITE ADDRESS:	1335 WASHINGTON AVE PORTLAND, ME 04103
PROPERTY OWNER:	RAYMOND A. CARYE 15 MONSIGNOR OBRIEN HWY CAMBRIDGE, MA 02141
MAP/BLOCK/LOT:	401/A/005
APPLICANT:	U.S. CELLULAR c/o KJK WIRELESS 8 PROVIDENCE AVENUE FALMOUTH, ME 04105 (207) 899-8544
PROJECT SUMMARY	



SHEET NO.	DESCRIPTION	DATE	REV. NO.
T-1	TITLE SHEET	1/12/07	0
C-1	PLOT PLAN	1/12/07	0
C-2	SITE PLAN	1/12/07	0
C-3	ANTENNA PLAN & ELEVATION	1/12/07	0
D-1	SECTIONS AND DETAILS	1/12/07	0
G-1	GENERAL NOTES	1/12/07	0
SHEET INDEX			

BUILDING REQUIREMENTS:
 BUILDING IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS NOT REQUIRED.

PLUMBING REQUIREMENTS:
 FACILITY HAS NO PLUMBING.



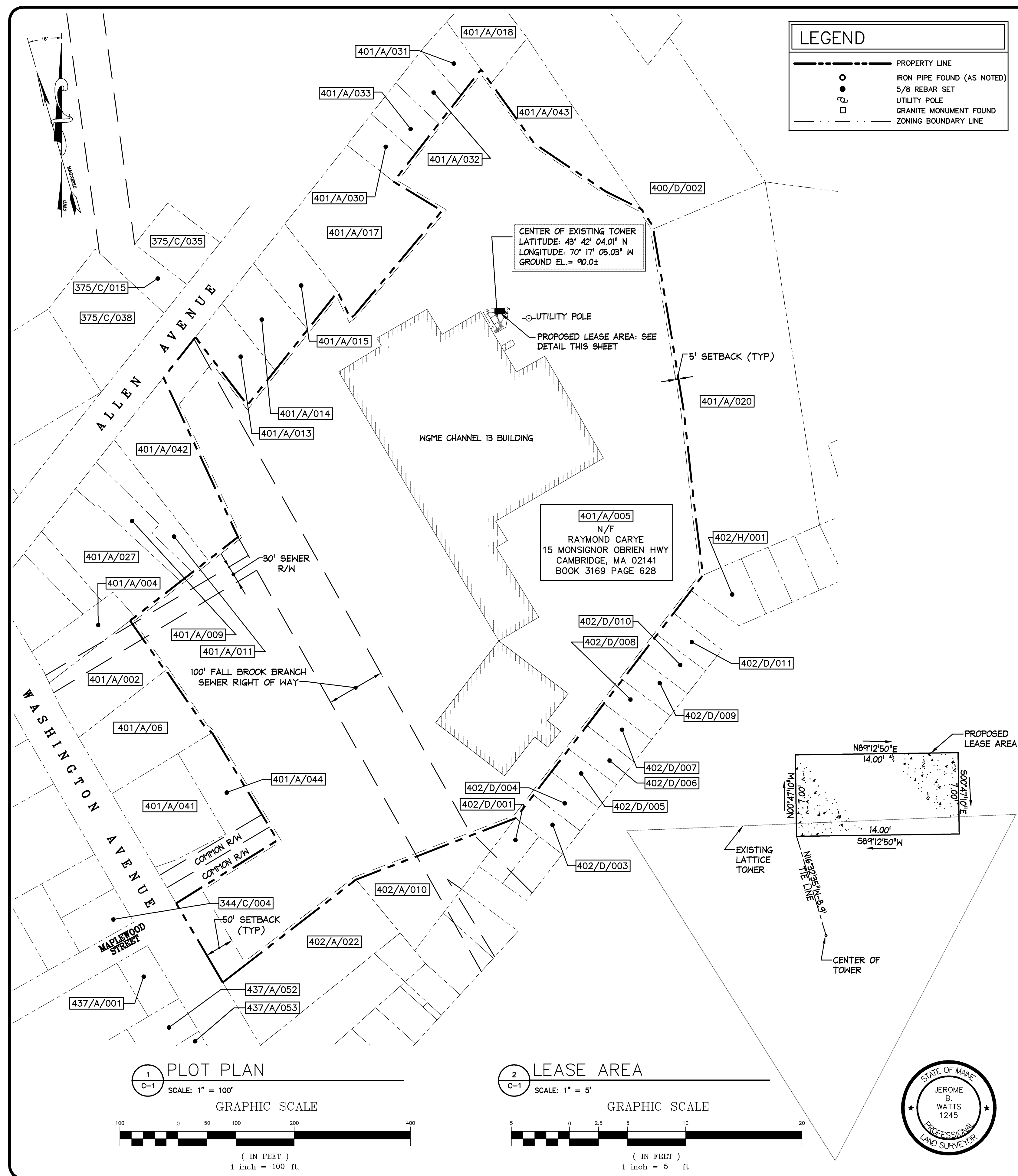
R.F. _____
 SA/ZN _____
 CONST. _____
 U.S.C.C. _____
 P.M. _____

CEST Associates, Inc.
 345 Gorham Road, South Portland, ME 04106
 engineers architects surveyors construction managers
 TEL: (207) 761-1770
 FAX: (207) 774-1246
 CEST PROJ. NO: 413.70.01

SITE NAME: NORTH DEERING
 SITE NUMBER: 8534-08
 ADDRESS: 1335 WASHINGTON AVE
 PORTLAND, ME 04103
 DRAWING TITLE: TITLE SHEET

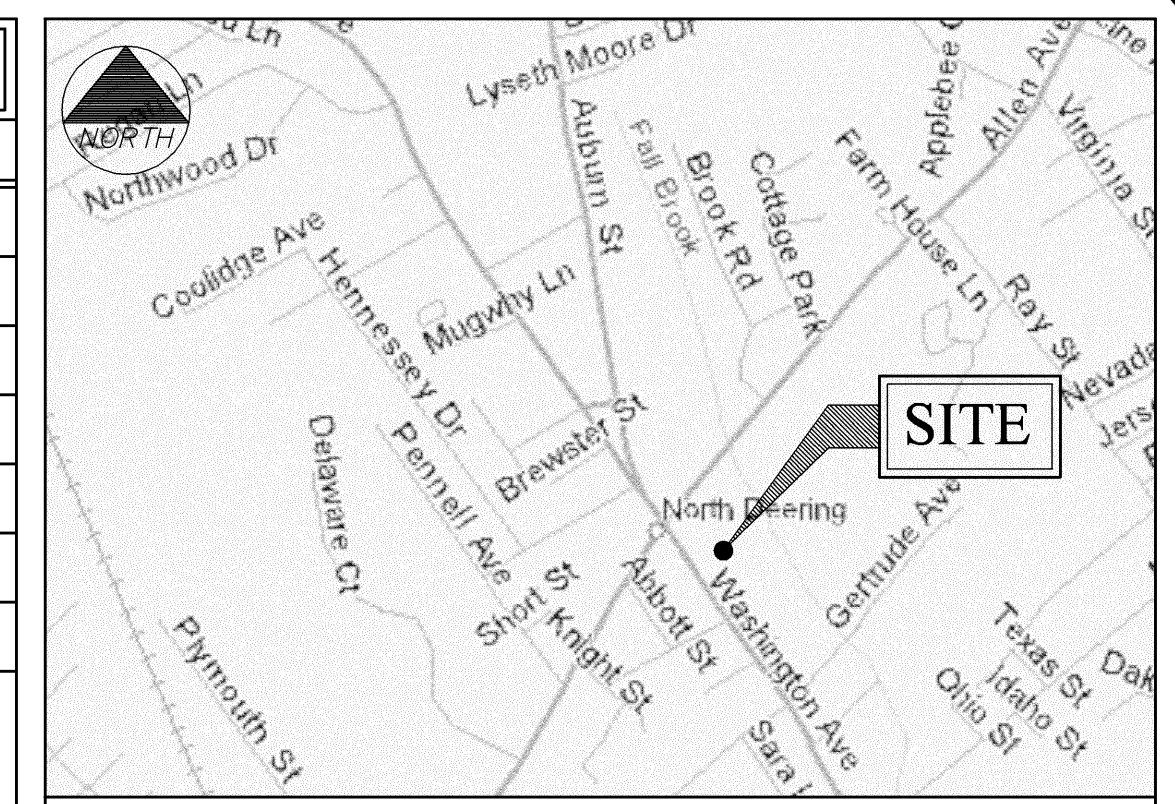
REVISIONS		
NO.	DESCRIPTION	DATE
0	FOR CONSTRUCTION	1/12/07

DESIGNED BY: MSD DATE: 1/12/07
 DRAWN BY: CBM SCALE: AS NOTED
 CHECKED BY: MSD PROJECT NO.: 413.70.01
 DRAWING NO.:



LEGEND	
---	PROPERTY LINE
○	IRON PIPE FOUND (AS NOTED)
●	5/8 REBAR SET
○	UTILITY POLE
□	GRANITE MONUMENT FOUND
- - -	ZONING BOUNDARY LINE

LIST OF ABUTTERS		
CITY OF PORTLAND		
MAP/LOT	RECORD OWNER	ADDRESS
344/C/004	TERI L. LEASURE	30 SHORELINE DR FALMOUTH ME 04105
375/C/015	A&D REALTY, LLC C/O WINSLOW PROPERTY MGMT	5 MILITIA DR LEXINGTON, MA 02421
375/C/035	NORTHGATE PLAZA ASSOCIATES, LLC.	400 ALLEN AVE PORTLAND, ME 04103
375/C/038	CITY OF PORTLAND	389 CONGRESS ST PORTLAND ME 04101
400/D/002	THE RESIDENCES CONDO ASSOCIATION	459 ALLEN AVE PORTLAND ME 04103
401/A/002	CHAU TSAN	238 GORHAM RD SCARBOROUGH ME 04074
401/A/004	RITE AID OF MAINE INC	PO BOX 3165 HARRISBURG PA 17105
401/A/009		
401/A/011		
401/A/027		
401/A/006	MICHAEL S. ORR	2 WILDROSE LN SCARBOROUGH ME 04074
401/A/013	EDWARD F CARYE TRUTSEE ETAL	PO BOX 41020 CAMBRIDGE MA 02421
401/A/014	RAYMOND & BARBARA CARYE TRS	15 MONSIGNOR OBRIEN HWY CAMBRIDGE MA 02141
401/A/015	RAYMOND A & EDWARD F. CARYE TRS	15 MONSIGNOR OBRIEN HWY CAMBRIDGE MA 02141
401/A/018	ROBERTA R. ANDERSON	455 ALLEN AVE PORTLAND ME 04103
401/A/030	DAVID R. WWII VET & PHYLLIS R. MARLEY	423 ALLEN AVE PORTLAND ME 04103
401/A/031	ROSE & CHARLES WINTERS JTS	445 ALLEN AVE PORTLAND ME 04103
401/A/032	JEAN F. CRANDON	441 ALLEN AVE PORTLAND ME 04103
401/A/033	CLIFTON L. KW VET & MADALYN I. BROWN	427 ALLEN AVE PORTLAND ME 04103
401/A/041	PORTLAND REGIONAL FEDERAL CREDIT UNION	1345 WASHINGTON AVE PORTLAND ME 04103
401/A/042	RAYMOND A. CARYE ETALS	15 MONSIGNOR OBRIEN HWY CAMBRIDGE MA 02141
401/A/044		
402/D/003		
402/D/004		
402/D/005		
402/A/010		
402/A/022		
401/A/043	EDWARD F. CARYE TRUSTEES ETAL	PO BOX 410207 CAMBRIDGE MA 02421
402/H/001	WILLIAM R. UMBEL	122 GERTRUDE AVE PORTLAND ME 04103
402/D/001	PHILIP H. CURTIS VN VET TD	59 GERTRUDE AVE PORTLAND ME 04103
402/D/006	CAROL A. & STEPHEN A. MACKENZIE	74 GERTRUDE AVE PORTLAND ME 04103
402/D/007		
402/D/008		
402/D/009		
402/D/010	THE MINAT CORPORATION	34 PREBLE ST PORTLAND ME 04101
437/A/001	1334 WASHINGTON AVENUE ASSOCIATES	P.O. BOX 361 SOUTH FREEPORT ME 04078
437/A/052	JOHN E & CHERYL A. CARROLL	5818 CARRIAGE DR SARASOTA FL 34243
437/A/053	GREENLEAF ROBERT E WWII VET & JULIETTE G GREENLEAF TRUSTEES R & J GREENLEAF REV TRUST	1322 WASHINGTON AVE PORTLAND ME 04103



GENERAL NOTES

- DATES OF FIELD SURVEY: AUGUST 2004, JANUARY 2007
- SITE NAME: NORTH DEERING
- SITE NUMBER: 853408
- SITE ADDRESS: 1335 WASHINGTON AVE PORTLAND, ME 04103 CUMBERLAND COUNTY
- OWNER: RAYMOND CARYE 15 MONSIGNOR OBRIEN HWY CAMBRIDGE, MA 02141
- APPLICANT: U.S. CELLULAR c/o KJK WIRELESS 8 PROVIDENCE AVE FALMOUTH, 04105
- JURISDICTION: PORTLAND, MAINE
- ZONING DISTRICT: COMMUNITY BUSINESS (B-2)
- TAX IDENTIFICATION: MAP 401 BLOCK A LOT 005 DEED BOOK/PAGE: 3169/628
- VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929, (MEAN SEA LEVEL).
- HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)
- CENTER OF EXISTING TOWER: LATITUDE: 43° 42' 04.01" N (NAD 83) LONGITUDE: 70° 17' 05.03" W (NAD 83) GROUND EL. = 90.0±
- BEARINGS ARE BASED ON MAINE STATE GRID COORDINATE SYSTEM, WEST ZONE, (NAD83).
- ALL UNDERGROUND UTILITY INFORMATION PRESENTED HEREON WAS DETERMINED FROM SURFACE EVIDENCE AND PLANS OF RECORD. ALL UNDERGROUND UTILITIES SHOULD BE LOCATED IN THE FIELD PRIOR TO COMMENCEMENT OF ALL SITE WORK. CALL DIGSAFE 1(888) 344-7233 A MINIMUM OF 72 HOURS PRIOR TO PLANNED ACTIVITY.
- PROPERTY IS LOCATED IN FLOOD ZONE "C" AS SHOWN ON FLOOD INSURANCE RATE MAP IN THE CITY OF PORTLAND MAINE, CUMBERLAND COUNTY PANEL 2 OF 17, COMMUNITY PANEL NUMBER 230051-0002-B EFFECTIVE DATE JULY 17, 1986. ZONE C IS DEFINED AS AREAS OF MINIMAL FLOODING.

ZONING INFORMATION	
ZONING DISTRICT:	COMMUNITY BUSINESS (B-2)
MINIMUM STREET FRONTAGE:	50 FEET
FRONT YARD SETBACK:	50 FEET
SIDE YARD SETBACK:	5 FEET
REAR YARD SETBACK:	5 FEET
MINIMUM LOT SIZE:	10,000 S.F.

DESCRIPTION OF LEASE AREA

LEGAL DESCRIPTION - LEASE PARCEL

A CERTAIN PARCEL OF LAND LOCATED EASTERLY OF WASHINGTON AVENUE, IN THE CITY OF PORTLAND, CUMBERLAND COUNTY, MAINE, AND LYING WITHIN LAND OF THE GRANTOR(S), AS DESCRIBED IN BOOK 3169, PAGE 628, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT MARKING THE SOUTHWESTERLY CORNER OF THE FOLLOWING DESCRIBED LEASE, LOCATED N16°32'35"W, 8.9 FEET FROM THE CENTER OF AN EXISTING 230 FOOT LATTICE TOWER;

THENCE, N00°47'10"W, 7.00 FEET TO A CORNER OF A CONCRETE PAD;

THENCE, N89°12'50"E, 14.00 FEET TO A CORNER OF A CONCRETE PAD;

THENCE, S00°47'10"W, 7.00 FEET TO A CORNER OF A CONCRETE PAD;

THENCE, N89°12'50"W, 14.00 FEET TO THE POINT OF BEGINNING.

THE ABOVE DESCRIBED PARCEL CONTAINS 98± SQUARE FEET.

BEARINGS ARE BASED ON MAINE STATE GRID COORDINATE SYSTEM, WEST ZONE, (NAD 83).

FAA CERTIFICATION - 2C

I HEREBY CERTIFY THAT THE LATITUDE, LONGITUDE, AND ELEVATIONS PRESENTED HEREON MEETS THE REQUIREMENTS OF THE FAA WITH THE FOLLOWING ACCURACIES:

+/- TWENTY (20) FEET VERTICALLY
+/- FIFTY (50) FEET HORIZONTALLY

JEROME B. WATTS _____ DATE
LICENSED LAND SURVEYOR #1245

NOTE:
THIS NOT A STANDARD BOUNDARY SURVEY. EXCEPT AS IDENTIFIED BY MONUMENTATION FOUND ALL BOUNDARIES SHOWN ON THIS PLAN HAVE BEEN COMPILED FROM RECORD DEEDS AND TAX MAPS AND ARE INTENDED TO SHOW THE LOCATIONS OF ABUTTERS LOTS AND ZONING BOUNDARIES ONLY.

THIS DRAWING WAS CREATED FOR A FULL SIZE OF 22"x34". IT HAS BEEN REDUCED 50% FOR SUBMISSION PURPOSES.

EQUIPMENT INSTALLATION SHALL MEET ALL LOCAL, STATE AND FEDERAL REQUIREMENTS FOR EQUIPMENT EMISSIONS.

US Cellular
We connect with you.
100 Cornett Drive, Suite B, South Portland, ME 04106

CEST Associates, Inc.
345 Cornett Road, South Portland, ME 04106
engineers architects surveyors construction managers

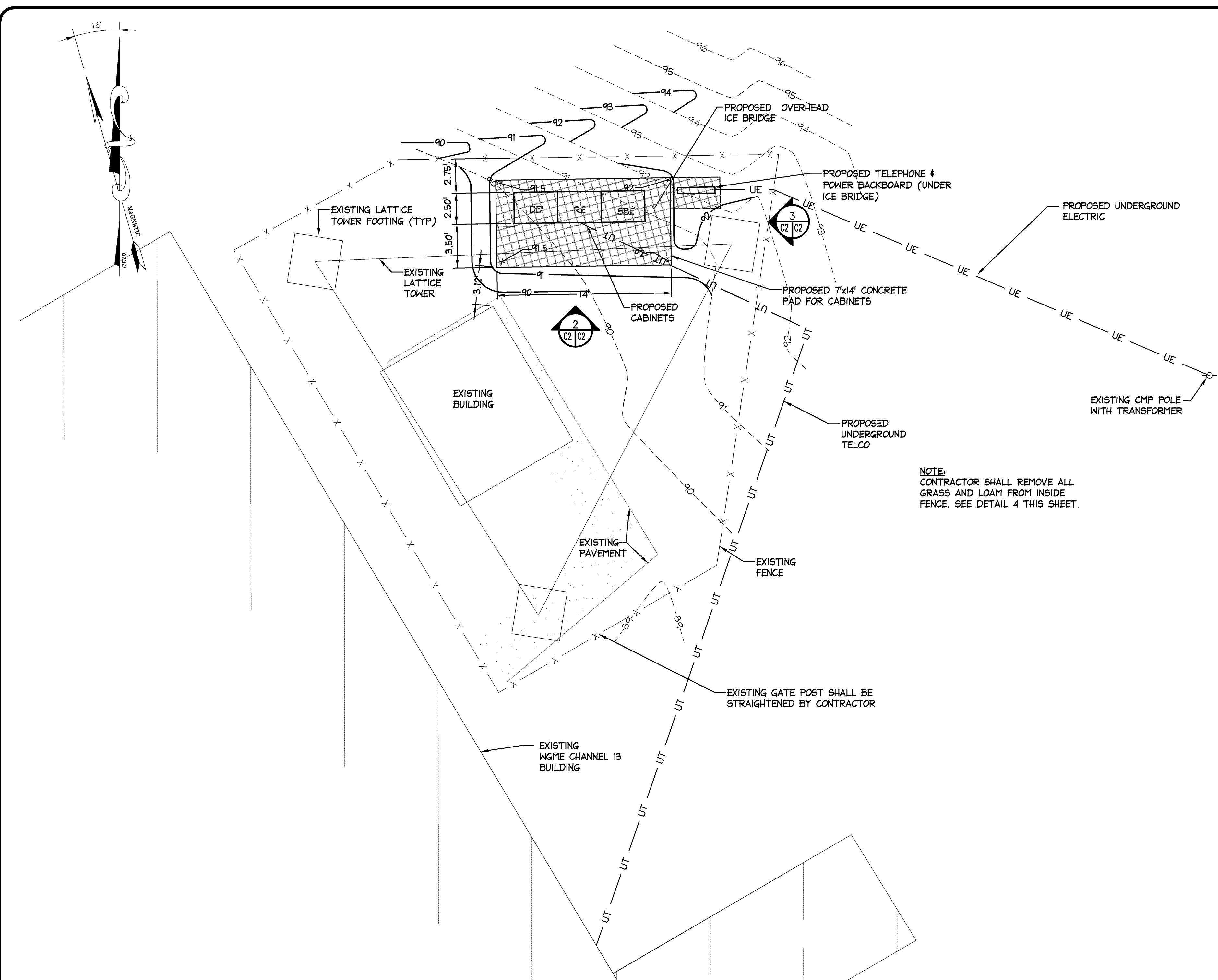
TEL: (207) 761-1770
FAX: (207) 774-1246
CEST PROJ. NO.: 413.70.01

REVISIONS

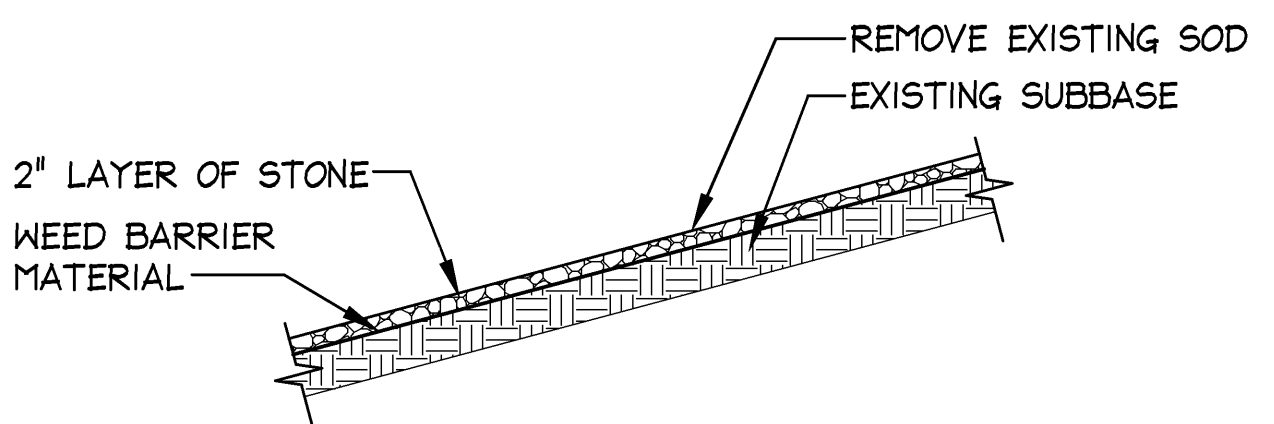
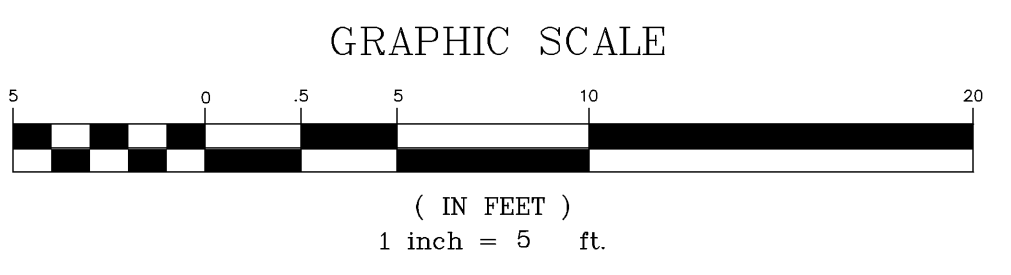
NO.	DESCRIPTION	DATE
0	FOR CONSTRUCTION	1/12/07

DESIGNED BY: MSD DATE: 1/12/07
DRAWN BY: CBM SCALE: AS NOTED
CHECKED BY: MSD PROJECT NO.: 413.70.01
DRAWING NO.:

C-1

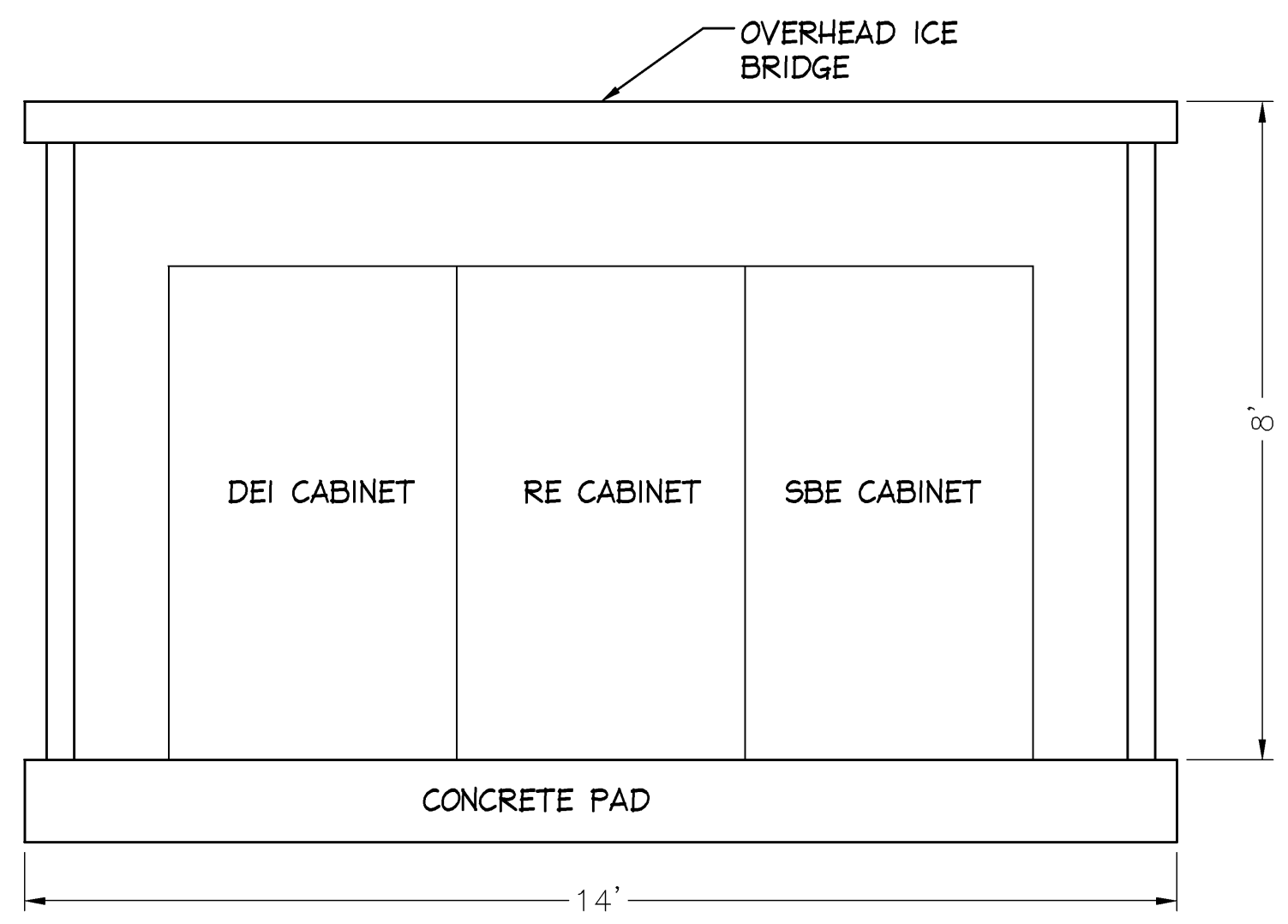


1 SITE PLAN
SCALE: 1"=5'

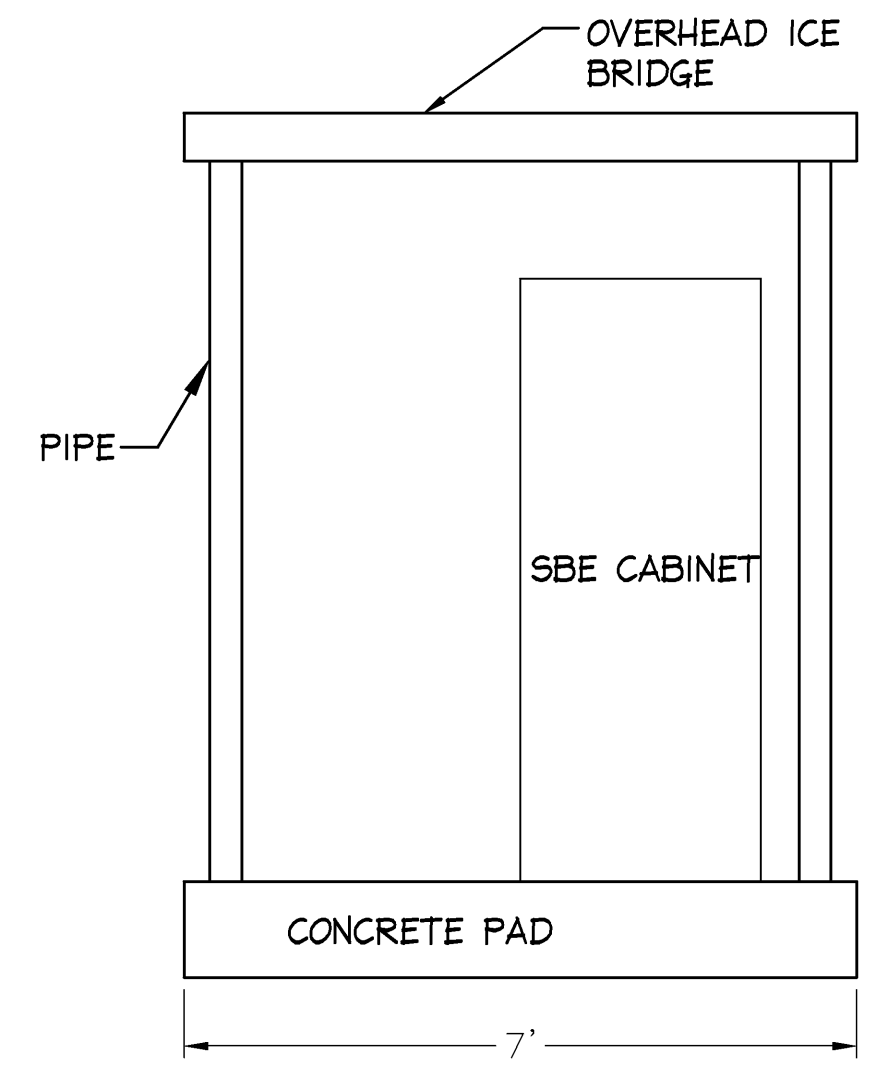


4 DETAIL
SCALE: N.T.S.

LEGEND	
- X - X -	EXISTING CHAIN LINK FENCE
- - - -	PROPOSED CONTOUR
o	IRON PIN FOUND (AS NOTED)
-o-	UTILITY POLE
- - - - 766	EXISTING CONTOUR
o o o o o	STONE WALL
~ ~ ~ ~ ~	EXISTING TREE LINE



2 DETAIL
SCALE: N.T.S.



3 DETAIL
SCALE: N.T.S.



THIS DRAWING WAS CREATED FOR A FULL SIZE OF 22"x34". IT HAS BEEN REDUCED 50% FOR SUBMISSION PURPOSES.

OEST Associates, Inc.
345 Cochran Road, South Portland, ME 04106
engineers architects surveyors construction managers

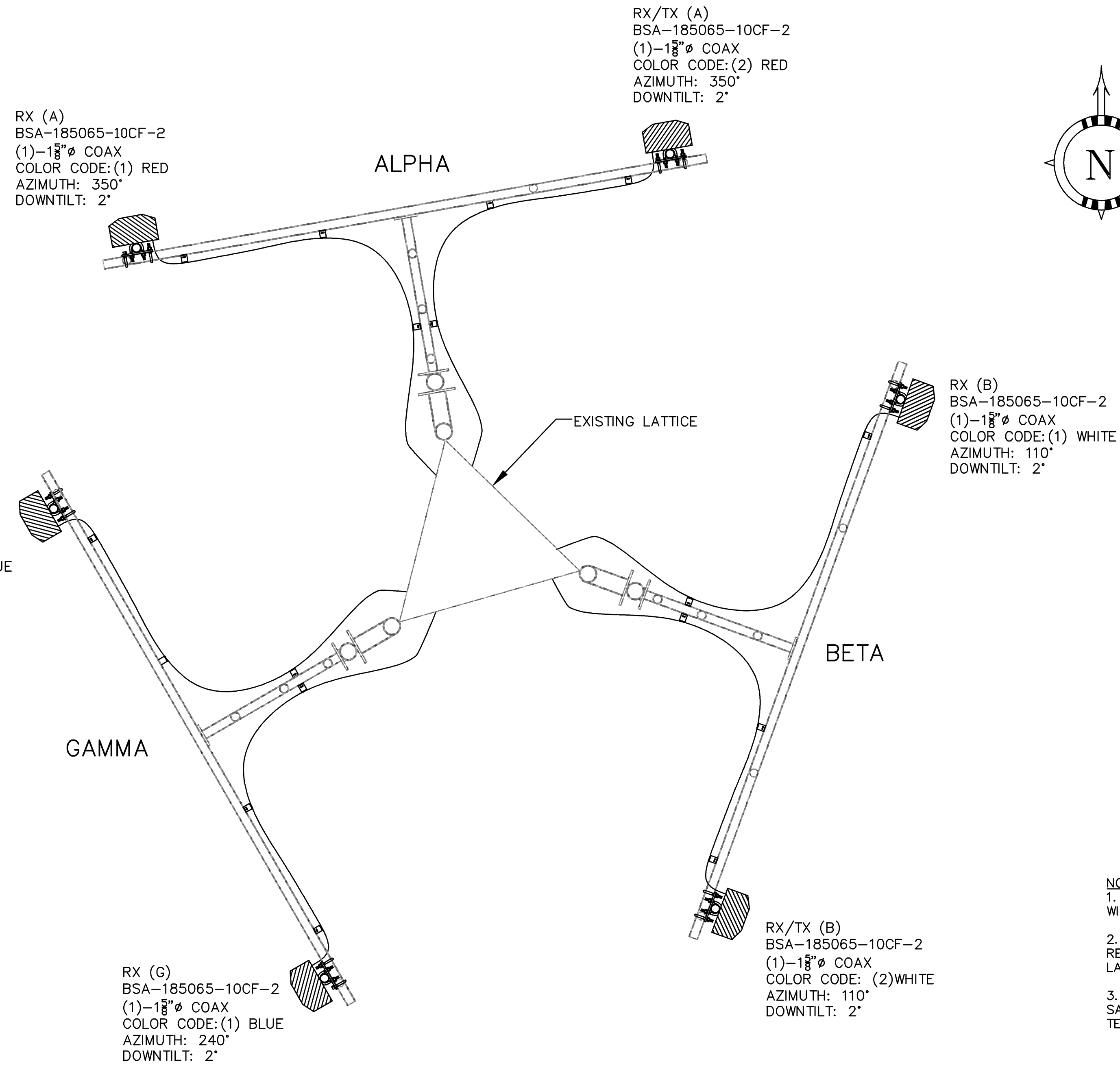
TEL: (207) 761-1770
FAX: (207) 774-1246

OEST PROJ. NO: 413.70.01

SITE NAME: NORTH DEERING
SITE NUMBER: 8534-08
ADDRESS: 1335 WASHINGTON AVE
PORTLAND, ME 04103
DRAWING TITLE: SITE PLAN

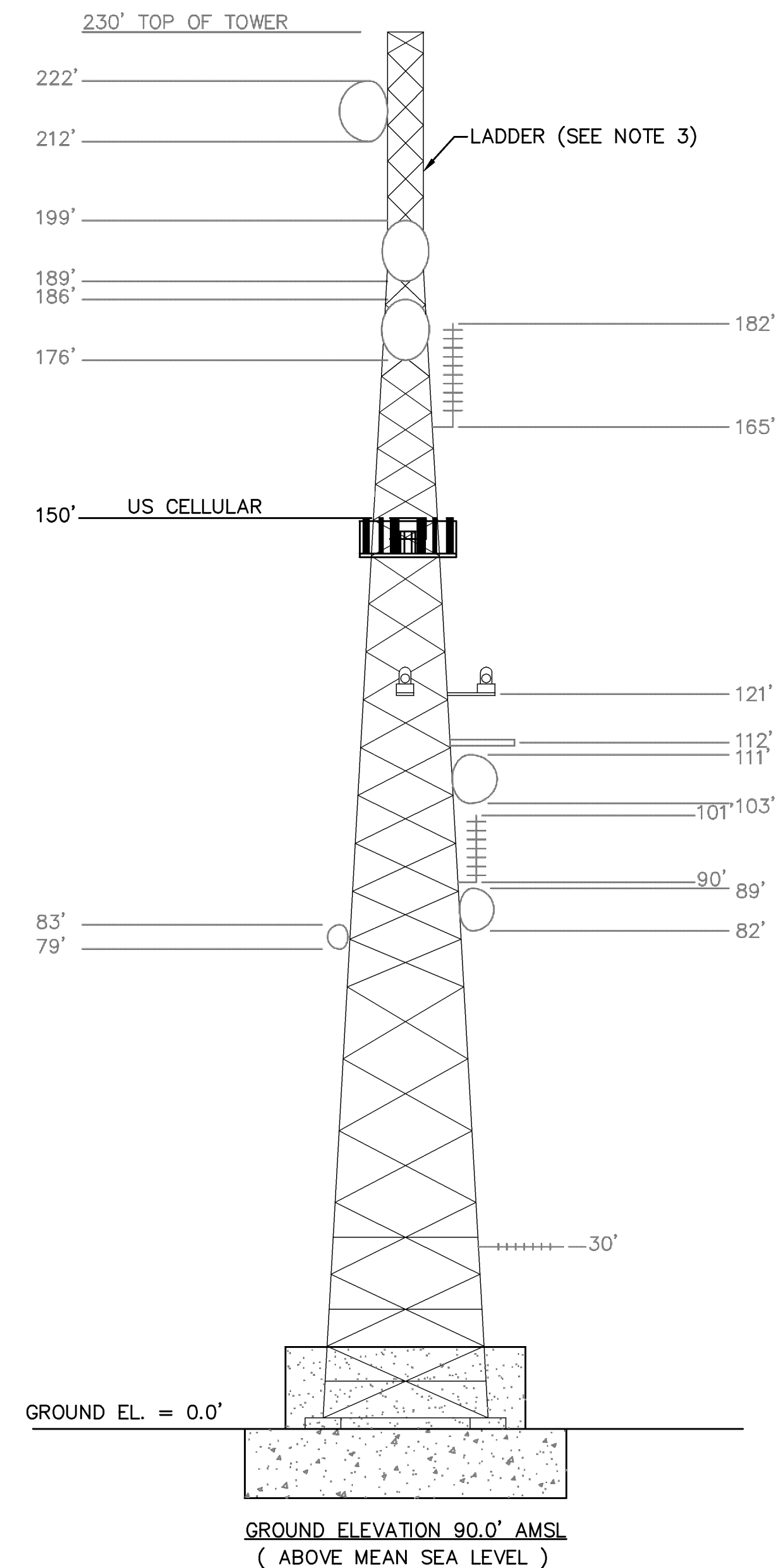
REVISIONS		
NO.	DESCRIPTION	DATE
0	FOR CONSTRUCTION	08/16/04

DESIGNED BY: MSD DATE: 1/12/07
DRAWN BY: CBM SCALE: AS NOTED
CHECKED BY: MSD PROJECT NO.: 413.70.01
DRAWING NO.:



1 ANTENNA LOCATION PLAN
SCALE: N.T.S.

- NOTES:
1. WAVEGUIDE CABLES SHALL BE RUN UP TOWER IN THREE WIDE TWO DEEP CONFIGURATION.
 2. EXISTING WAVEGUIDE CABLES NOT BEING USED SHALL BE REMOVED BY CONTRACTOR AFTER COORDINATION WITH LANDLORD AND US CELLULAR PERSONNEL.
 3. EXISTING LADDER SHALL BE TIGHTENED TO TOWER TO SATISFY STRUCTURAL REPORT CREATED BY ALL-POINTS TECHNOLOGY CORPORATION DATED AUGUST 9, 2004.



2 EXISTING TOWER ELEVATION
SCALE: N.T.S.

THIS DRAWING WAS CREATED FOR A FULL SIZE OF 22"x34".
IT HAS BEEN REDUCED 50% FOR SUBMISSION PURPOSES.



100 Cannett Drive, Suite B, South Portland, ME 04106

OEST Associates, Inc.
345 Cochran Road, South Portland, ME 04106
engineers architects surveyors construction managers

TEL: (207) 761-1770
FAX: (207) 774-1246

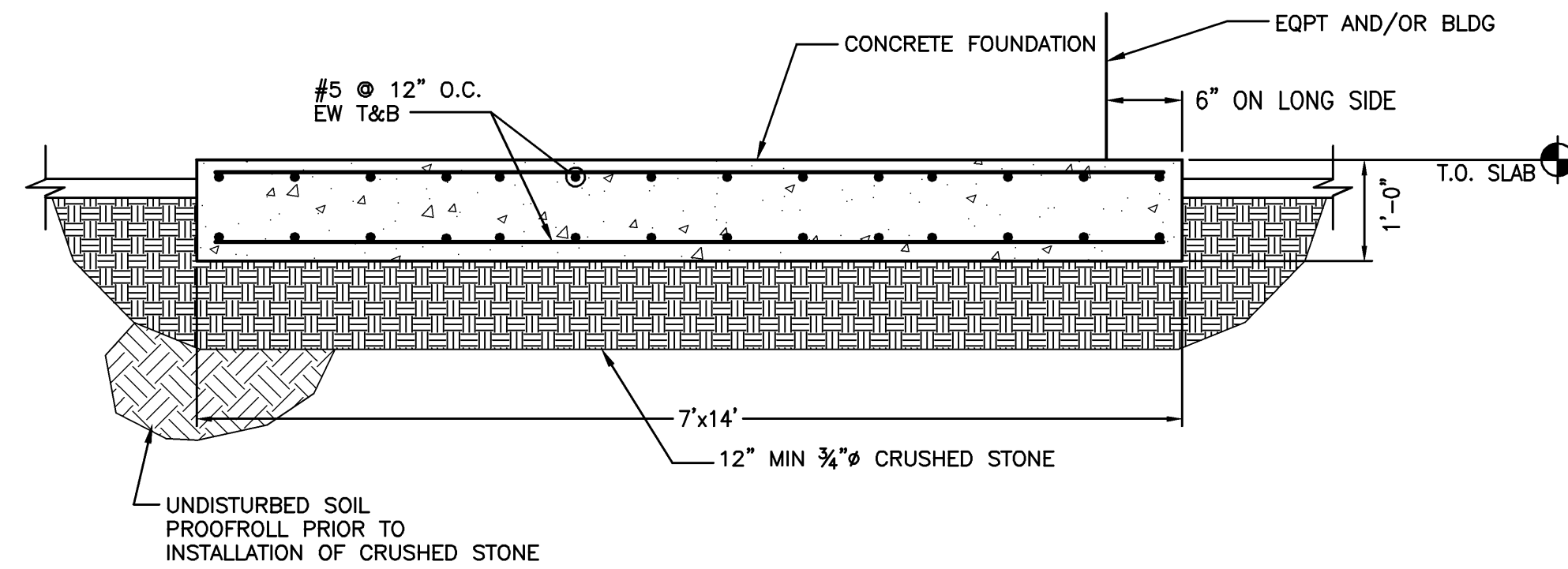
OEST PROJ. NO: 413.70.01

SITE NAME: NORTH DEERING
SITE NUMBER: 8534-08
ADDRESS: 1335 WASHINGTON AVE
PORTLAND, ME 04103
DRAWING TITLE: ANTENNA PLAN & ELEVATION

REVISIONS		
NO.	DESCRIPTION	DATE
0	FOR CONSTRUCTION	11/2/07

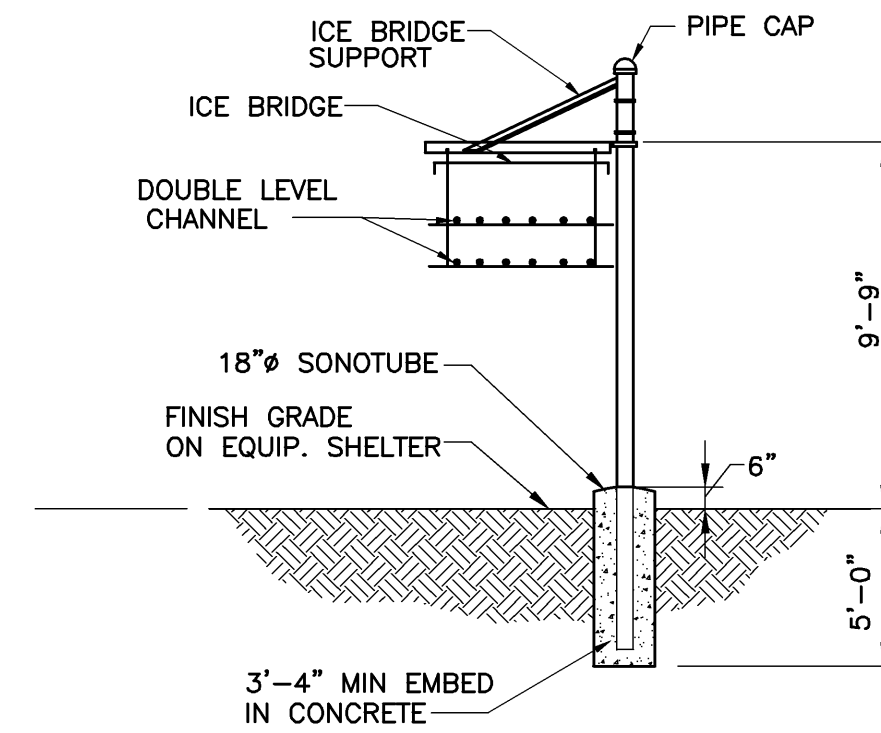
DESIGNED BY: MSD DATE: 1/12/07
DRAWN BY: CBM SCALE: AS NOTED
CHECKED BY: MSD PROJECT NO.: 413.70.01
DRAWING NO.:

C-3



TYPICAL EQUIPMENT SHELTER FOUNDATION DETAIL

N.T.S.



DESCRIPTION	VALMONT PART #
PIPE (12' EXPOSED)	B273 (@ 5' O.C.)*
PIPE CAP	B1612
BRIDGE SUPPORT	B1211
BRIDGE (18")	802204
COAX HANGAR (SINGLE LEVEL HANGAR)	802263@3' O.C.

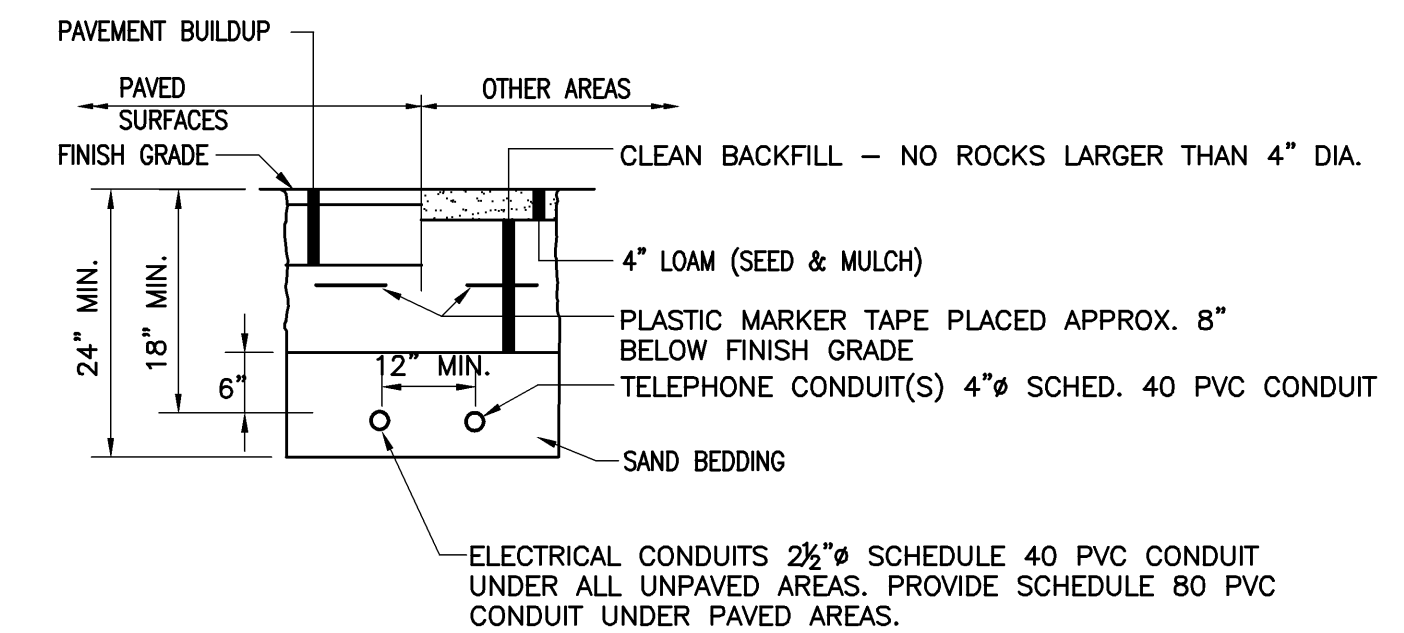
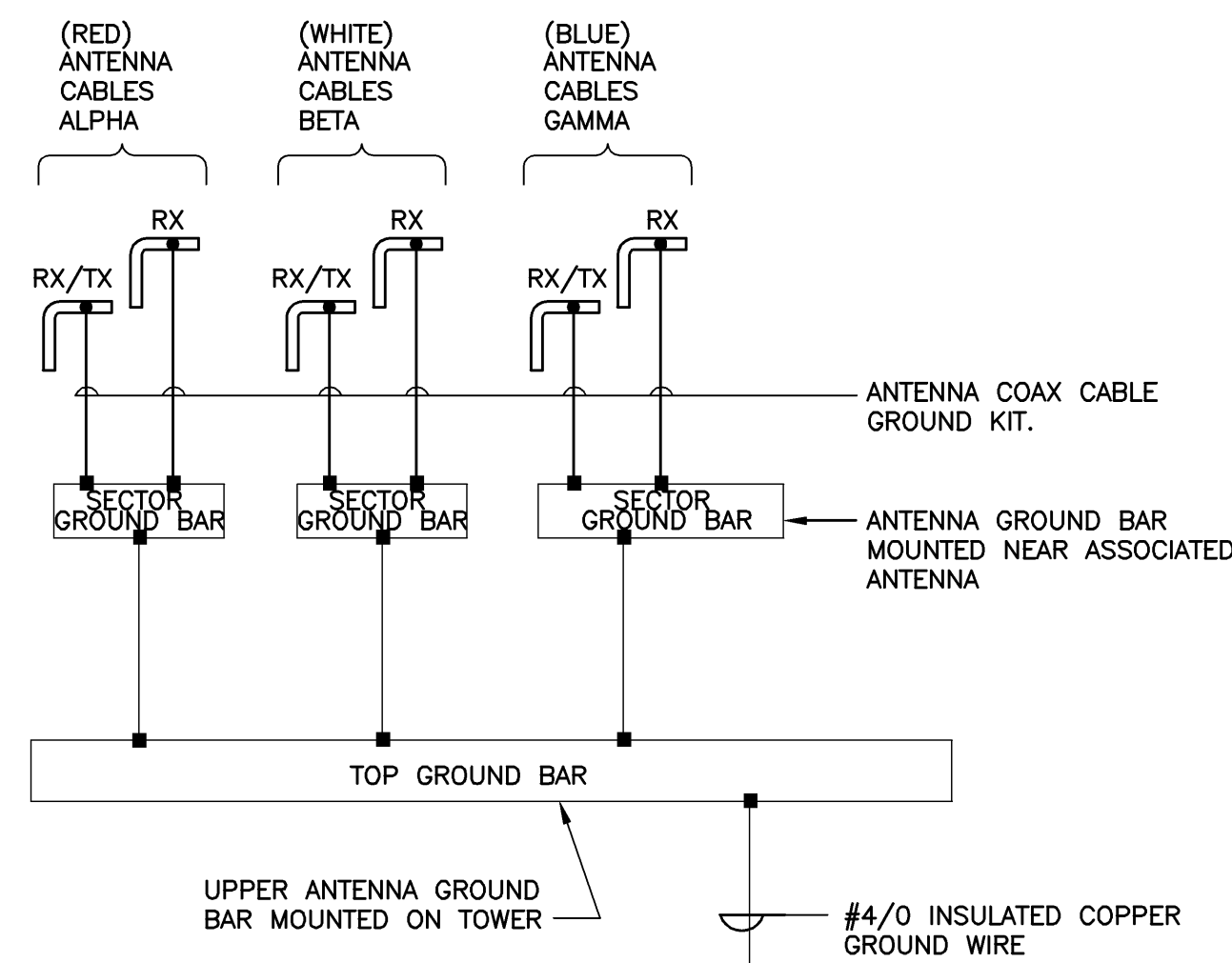
* PROVIDE VALMONT B279X (12'-3 1/2" POLE WITH BASE L P) WHERE BRIDGE IS ON EXISTING CONCRETE SLAB. PROVIDE 2-3/4"x10" LONG HILTI HAS RODS. EMBED 6%" INTO EXISTING CONCRETE WITH 1-3/4"x6%" HVA EPOXY ANCHOR.

NOTES:

1. TYPICAL HANGER KIT SHOWN. CONTRACTOR MAY REPLACE WITH EQUAL AS APPROVED BY CONSTRUCTION MANAGER.
2. SEE COAXIAL CABLE BRIDGE NOTES SHEET G-1
3. FOR BURIED LEDGE AT LESS THAN 3'-6", CORE LEDGE WITH 4-1/2"x8" DEEP HOLES & GROUT. #3 REINFORCING STEEL WITH #3 TIES @ 6" O.C.

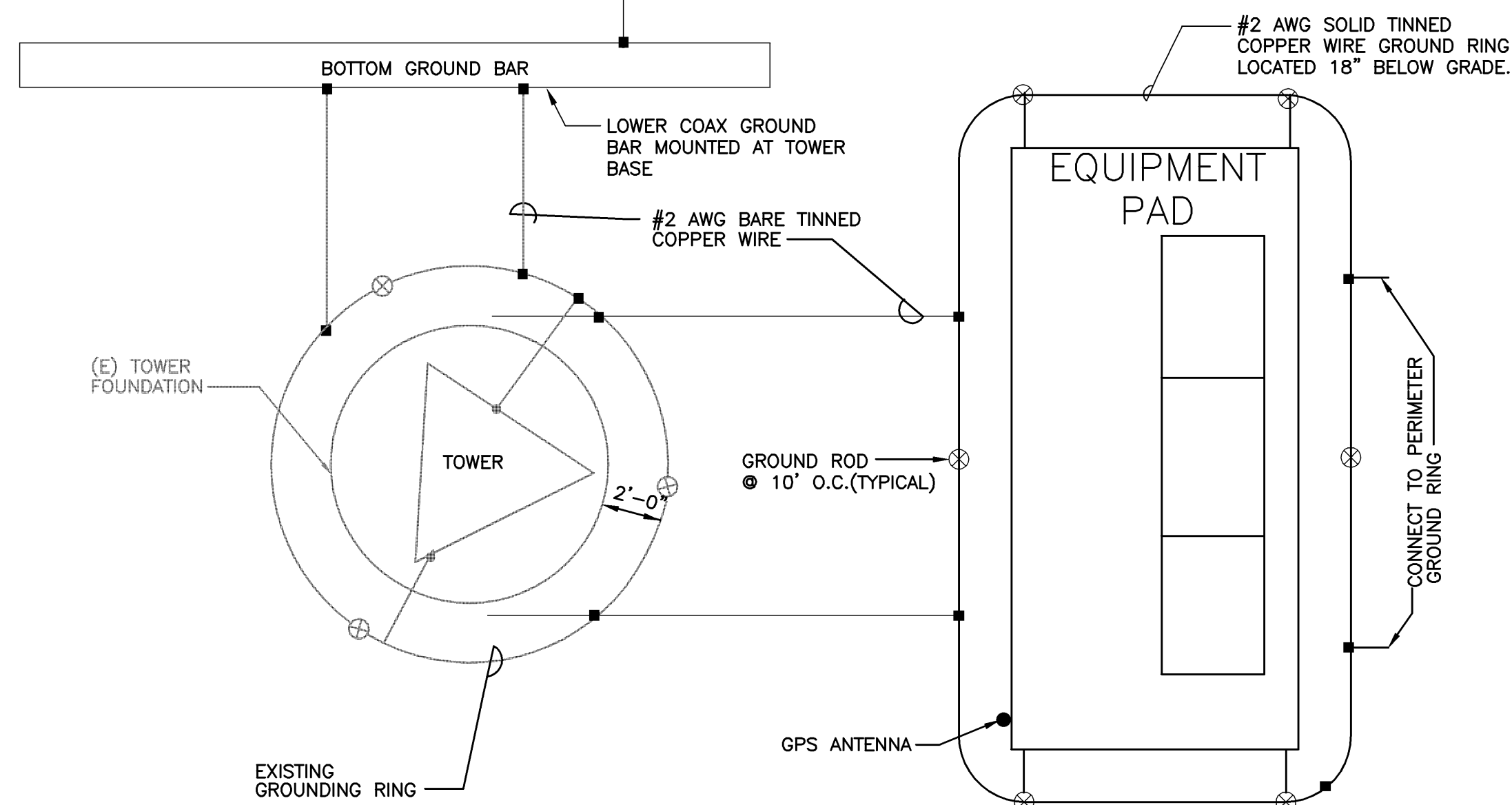
ICE BRIDGE DETAIL

N.T.S.



TYPICAL SECTION ELECTRICAL & TELEPHONE SERVICE TRENCH

N.T.S.



GROUND RISER DIAGRAM

N.T.S.

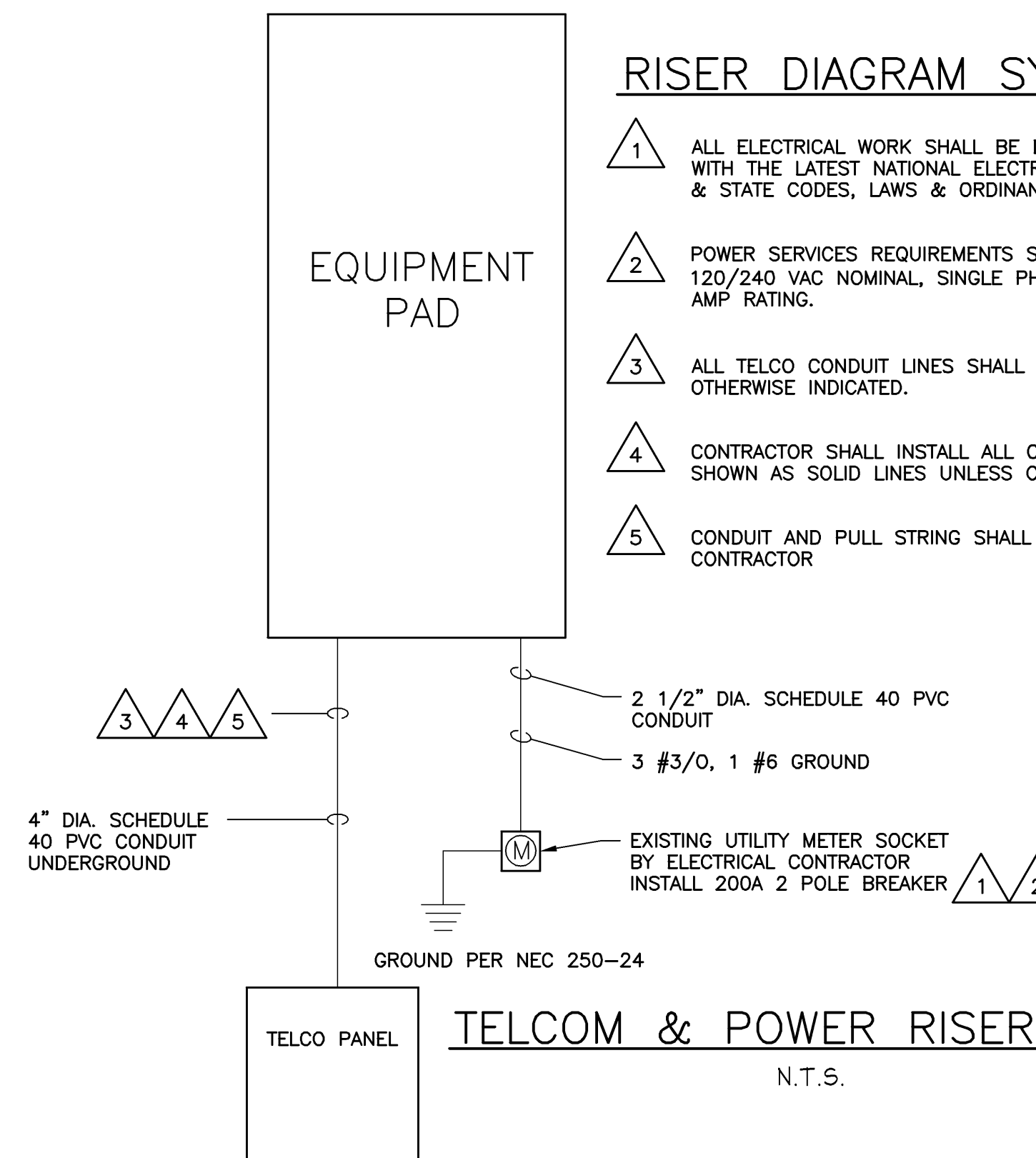
■ - GROUND CONNECTION

RISER DIAGRAM SYMBOLS

- 1 ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST NATIONAL ELECTRICAL CODE & ALL LOCAL & STATE CODES, LAWS & ORDINANCES.
- 2 POWER SERVICES REQUIREMENTS SHALL BE COMMERCIAL 120/240 VAC NOMINAL, SINGLE PHASE & 3 WIRE W/200 AMP RATING.
- 3 ALL TELCO CONDUIT LINES SHALL BE 4" CONDUIT UNLESS OTHERWISE INDICATED.
- 4 CONTRACTOR SHALL INSTALL ALL CONDUITS & WIRES AS SHOWN AS SOLID LINES UNLESS OTHERWISE INDICATED.
- 5 CONDUIT AND PULL STRING SHALL BE INSTALLED BY CONTRACTOR

RISER DIAGRAM NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CONDUIT ROUTING WITH LOCAL UTILITY COMPANIES AND US CELLULAR CONSTRUCTION MANAGER.
2. UTILITY SERVICES SHOWN ARE PROPOSED. THE ELECTRIC CONTRACTOR SHALL COORDINATE EXACT TELEPHONE AND ELECTRIC SERVICE CONNECTION POINTS, ROUTING, ASSOCIATED REQUIREMENTS AND BACK CHARGES WITH LOCAL UTILITY COMPANIES.
3. ALL CONDUITS ROUTED BELOW GRADE SHALL TRANSITION TO RIGID GALVANIZED ELBOWS WITH RIGID GALVANIZED STEEL CONDUIT ABOVE GRADE.
4. ALL METAL CONDUITS SHALL BE PROVIDED WITH GROUNDING BUSHINGS.
5. GENERAL CONTRACTOR SHALL PROVIDE ALL DIRECT BURIED CONDUITS WITH PLASTIC WARNING TAPE IDENTIFYING CONTENTS. TAPE COLORS SHALL BE ORANGE FOR TELEPHONE AND RED FOR ELECTRIC.



TELCOM & POWER RISER DIAGRAM

N.T.S.



THIS DRAWING WAS CREATED FOR A FULL SIZE OF 22"x34". IT HAS BEEN REDUCED 50% FOR SUBMISSION PURPOSES.

REVISIONS		
NO.	DESCRIPTION	DATE
0	FOR CONSTRUCTION	1/12/07

DESIGNED BY: MSD	DATE: 1/12/07
DRAWN BY: CBM	SCALE: AS NOTED
CHECKED BY: MSD	PROJECT NO: 413.70.01
DRAWING NO.:	

GENERAL

- COORDINATE THE STRUCTURAL WORK WITH THE ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL AND PIPING WORKS.
- VERIFY ALL DIMENSIONS IN THE FIELD. DURING ERECTION AND CONSTRUCTION PHASES, PROVIDE ADEQUATE SHORING AND TEMPORARY BRACING OF ALL STRUCTURAL COMPONENTS AND ASSEMBLAGES. NOTIFY OEST OF ALL FIELD CHANGES OR DIMENSION DISCREPANCIES PRIOR TO FABRICATION OR ERECTION.

CODES

- ALL DESIGN AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE IBC 2000.
- ADDITIONAL REFERENCED STANDARDS:
 - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION – ALLOWABLE STRESS DESIGN 1989, 9TH EDITION
 - METAL BUILDING MANUFACTURES ASSOCIATION (MBMA) 1986 LOW RISE BUILDING SYSTEMS MANUAL
 - AMERICAN CONCRETE INSTITUTE ACI 318-95 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
 - AMERICAN IRON AND STEEL INSTITUTE (AISI) SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS
 - AMERICAN SOCIETY OF CIVIL ENGINEERS ASCE 7-98 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
- ALL APPLICABLE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) AND THE AMERICANS WITH DISABILITIES ACT (ADA).

CONCRETE AND REINFORCING STEEL

- ALL TOPSOIL AND ORGANIC MATERIAL SHALL BE REMOVED FROM BENEATH FOUNDATION AREAS.
- SUBGRADE BELOW FOUNDATIONS SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM DENSITY FROM ASTM D698 (STANDARD PROCTOR).
- CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301 AND ACI 318. CONCRETE STRENGTHS SHALL BE VERIFIED BY STANDARD 28-DAY CYLINDER TESTS. UNLESS AN ALTERNATE CONCRETE MIX DESIGN IS APPROVED, CONCRETE MIXES SHALL BE AS FOLLOWS:
 - CONCRETE SHALL HAVE 4000 PSI MINIMUM 28 DAY COMPRESSIVE STRENGTH.
 - MAXIMUM AGGREGATE SIZE SHALL BE 3/4" (ASTM C33/467).
 - CEMENT SHALL BE ASTM C150 TYPE I OR TYPE II
 - ALL STRUCTURAL CONCRETE SHALL BE AIR ENTRAINED (5.5 +/- 1.5%).
 - SLUMP SHALL BE 2" TO 4".
- REINFORCING STEEL SHALL HAVE MINIMUM COVER PROTECTION AS FOLLOWS:
 - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
 - CONCRETE EXPOSED TO EARTH OR WEATHER: 2"
 - CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:

SLABS	1 1/2"
WALLS, JOISTS – #11 BAR AND SMALLER	3/4"
BEAMS, COLUMNS:	
PRIMARY REINFORCEMENT, TIES,	
STIRRUPS, SPIRALS	1 1/2"

STRUCTURAL AND MISCELLANEOUS STEEL

- STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH AISC – SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS – ALLOWABLE STRESS DESIGN, JUNE 1, 1989 (9TH EDITION).
- HIGH STRENGTH BOLTS SHALL BE IN ACCORDANCE WITH AISC – SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR 490 BOLTS, NOVEMBER 13, 1985.
- WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 USE AWS PREQUALIFIED JOINT DETAILS.
- STRUCTURAL STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING:
 - CONNECTION MATERIAL, EMBEDDED ITEMS, HOT ROLLED STRUCTURAL SHAPES, BASE PLATES AND MIS. STEEL. ASTM A36
 - STRUCTURAL TUBES ASTM A500 GRADE B
 - STEEL PIPE ASTM A53, GRADE B
 - STRUCTURAL BOLTS ASTM A325-W U.N.O.
 - ANCHOR BOLTS ASTM A307 OR ASTM A36
 - THREADED RODS ASTM A36 OR ASTM A307
 - WELDING ELECTRODES E70XX

GROUNDING NOTES:

- ALL DETAILS ARE SHOWN DIAGRAMATICALLY. ACTUAL GROUNDING INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
- ALL GROUND WIRE SHALL BE BARE TINNED COPPER #2 AWG UNLESS OTHERWISE NOTED.
- ALL GROUND WIRES SHALL PROVIDE A STRAIGHT, DOWNWARD PATH TO GROUND WITH GRADUAL BENDS AS REQUIRED. GROUND WIRES SHALL NOT BE LOOPED OR SHARPLY BENT.
- ELECTRICAL CONTRACTOR SHALL COORDINATE CONNECTIONS TO EXISTING GROUND RINGS WITH SITE CONSTRUCTION MANAGER.
- ANTENNA GROUND KITS SHALL BE FURNISHED BY US CELLULAR AND INSTALLED BY CONTRACTOR.
- GROUND SYSTEM SHALL BE TESTED AND SHALL HAVE A RESISTANCE OF 5 OHMS OR LESS.

EROSION AND SEDIMENT CONTROL PLAN

THIS PLAN HAS BEEN DEVELOPED TO PROVIDE A STRATEGY FOR CONTROLLING SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION OF THE PROPOSED DEVELOPMENT.

GENERAL CONSTRUCTION DETAILS

THE EQUIPMENT ANTICIPATED TO BE USED FOR THE CONSTRUCTION INCLUDES THE FOLLOWING: BACKHOES, BULLDOZERS, LOADERS, TRUCKS, CRANES, COMPACTORS, AND GRADERS. THE FOLLOWING MEASURES WILL BE UNDERTAKEN TO PROVIDE MAXIMUM PROTECTION TO THE SOIL, WATER, AND ADJUTING LANDS:

- PRIOR TO GRUBBING OR ANY EARTHMOVING OPERATION, SILTATION FENCE WILL BE INSTALLED ACROSS THE SLOPE ON THE CONTOUR AT THE DOWNHILL LIMIT OF THE WORK AS PROTECTION AGAINST CONSTRUCTION RELATED EROSION.
- STONE CHECK DAMS WILL BE INSTALLED IN THE DRAINAGE SWALES TO PREVENT EROSION PRIOR TO THE STABILIZATION OF THE CHANNELS. EROSION CONTROL MESH WILL ALSO BE INSTALLED IN ALL DITCH TO BE REVEGETATED.
- PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA WILL BE COMPLETED WITHIN FIFTEEN CALENDAR DAYS AFTER FINAL GRADING HAS BEEN COMPLETED. WHEN IT IS NOT POSSIBLE OR PRACTICAL TO PERMANENTLY STABILIZE DISTURBED LAND, TEMPORARY EROSION CONTROL MEASURES WILL BE IMPLEMENTED WITHIN THIRTY CALENDAR DAYS OF EXPOSURE OF SOIL. ALL DISTURBED AREAS WILL BE MULCHED FOR EROSION CONTROL UPON COMPLETION OF ROUGH GRADING.

SEEDING AND REVEGETATION PLAN

UPON COMPLETION OF SITE CONSTRUCTION, ALL AREAS PREVIOUSLY DISTURBED WILL BE TREATED AS STATED BELOW. THESE AREAS WILL BE CLOSELY MONITORED BY THE CONTRACTOR UNTIL SUCH TIME AS A SATISFACTORY GROWTH OF VEGETATION IS ESTABLISHED.

- LOAM WILL BE SPREAD OVER ALL DISTURBED AREAS AND GRADED TO A UNIFORM DEPTH OF 4 INCHES.
- THE FOLLOWING WILL BE INCORPORATED INTO THE SOIL PRIOR TO SEEDING: AGRICULTURAL LIMESTONE AT THE RATE OF 130 POUNDS PER 1,000 SQUARE FEET, FOLLOWED BY 10-10-10 FERTILIZER AT THE RATE OF 14 POUNDS PER 1,000 SQUARE FEET.
- DISTURBED AREAS WILL BE SEEDED AT THE RATE OF 100 LBS/ACRE OF MDT PORK MIXTURE AND 20 LBS/ACRE OF CROWN VETCH.
- SEEDING WILL BE COMPLETED BETWEEN THE DATES OF APRIL 1 AND SEPTEMBER 15. WATERING MAY BE REQUIRED DURING DRY PERIODS.
- HAY MULCH WILL BE APPLIED AT THE RATE OF 100 LBS. PER 1,000 SQ. FT. FOLLOWING SEEDING.
- ALL SEDIMENT CONTROL STRUCTURES WILL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED. ESTABLISHED MEANS A MINIMUM OF 75% OF THE AREA IS VEGETATED WITH VIGOROUS GROWTH.

COAXIAL-CABLE BRIDGE NOTES

- ALL BRIDGE KITS SHALL BE INSTALLED AS PER THE MANUFACTURERS RECOMMENDATIONS.
- STRUCTURAL STEEL SHALL BE ASTM A36. PIPE SHALL BE ASTM A53, GRADE B (SEAMLESS)
- EXTERIOR STEEL SHALL BE HOT-DIP GALVANIZED, AFTER FABRICATION AND WELDING, TO ASTM A123. HARDWARE SHALL BE EITHER A325 STEEL, GALVANIZED TO ASTM A153, OR 18-8 STAINLESS.
- SIZE, NUMBER AND POSITION OF COAXIAL CABLES MAY VARY.
- POSITION BRIDGE ASSEMBLY SO THAT COAXIAL CABLES INTERSECT AT LADDER CENTERLINE. HEIGHT ABOVE GROUND MAY VARY ACCORDING TO SITE LAYOUT.
- FOUNDATION SHALL BE 18" DIAM. SONOTUBE 60" DEEP BELOW GRADE AND 6" ABOVE GRADE FILLED WITH 4000 psi CONCRETE WITH 3/4" MAXIMUM AGGREGATE.



100 Cannett Drive, Suite B, South Portland, ME 04106

OEST Associates, Inc.
 345 Cantine Road, South Portland, ME 04106
 engineers architects surveyors construction management
 TEL: (207) 761-1770
 FAX: (207) 774-1246
 OEST PROJ. NO: 413.70.01

SITE NAME: NORTH DEERING
 SITE NUMBER: 8534-08
 ADDRESS: 1335 WASHINGTON AVE
 PORTLAND, ME 04103
 DRAWING TITLE: GENERAL NOTES

REVISIONS		
NO.	DESCRIPTION	DATE
0	FOR CONSTRUCTION	11/2/07

DESIGNED BY: MSD DATE: 1/12/07
 DRAWN BY: CBM SCALE: AS NOTED
 CHECKED BY: MSD PROJECT NO.: 413.70.01
 DRAWING NO.:

THIS DRAWING WAS CREATED FOR A FULL SIZE OF 22"x34". IT HAS BEEN REDUCED 50% FOR SUBMISSION PURPOSES.