



APPLICATION FOR EXEMPTION FROM SITE PLAN REVIEW

U.S Cellular
Applicant

11/6/03
Application Date

482 Congress Street
Applicant's Mailing Address

Conco Road Monopole
Project Name/Description

Ed Shaw 329-1246
Consultant/Agent/Phone Number

52 Conco Road
Address of Proposed Site

CBL: 47-C-2

Description of Proposed Development:

Construct a 130' Monopole near the rear of the property and place antennas on Monopole as well as a 12' x 20' utility building at base of Monopole.

Please Attach Sketch/Plan of Proposal/Development

Criteria for Exemptions:
See Section 14-523 (4) on back side of form

- a) Within Existing Structures; No New Buildings, Demolitions or Additions
- b) Footprint Increase Less Than 500 Sq. Ft.
- c) No New Curb Cuts, Driveways, Parking Areas
- d) Curbs and Sidewalks in Sound Condition/Comply with ADA
- e) No Additional Parking/ No Traffic Increase
- f) No Stormwater Problems
- g) Sufficient Property Screening
- h) Adequate Utilities

Applicant's Assessment (Yes, No, N/A)	Planning Office Use Only
Yes	✓
Yes	✓
Yes	✓
Yes	✓
Yes	✓
Yes	✓
Yes	✓
Yes	✓
Yes	✓

Planning Division Use Only

Exemption Granted Partial Exemption Exemption Denied

Planner's Signature [Signature] Date 11/10/03



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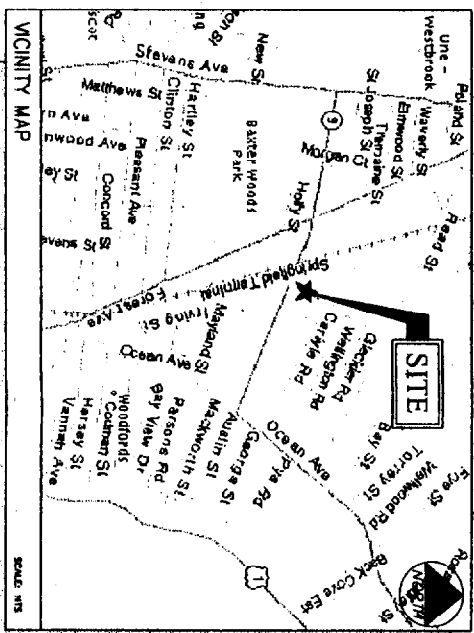
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288 Route 101, 2nd Floor, Bedford, NH 03110

SITE NAME: CANCO ROAD
 SITE NO. 853334-2
 LATITUDE: 43° 40' 54.07"
 LONGITUDE: 70° 17' 13.28"

SITE NUMBER:	853334
SITE NAME:	CANCO ROAD
TOWER TYPE:	13U' MONOPOLE (OWNER PROJECT)
SITE ADDRESS:	52 CANCO ROAD PORTLAND, ME 04103
PROPERTY OWNER:	F. GILBERT CONGON III ET ALS 144 PROSPECT ST PORTLAND, ME 04103
MAP & LOT:	147/C/1
APPLICANT:	U.S. CELLULAR c/o LOC 482 CONGRESS STREET, SUITE 502 PORTLAND, MAINE 04101

PROJECT SUMMARY



DIRECTIONS:
 FROM PORTLAND INTERNATIONAL AIRPORT: FROM AIRPORT TAKE THE ACCESS ROAD TO ROUTE 9/22 (APPROX. 8 MILES) AND TAKE A RIGHT ONTO OUTER CONGRESS STREET. PROCEED 2.1 MILES ON CONGRESS STREET TO THE INTERSTATE 295 NORTH AVENUE WEST AND CONTINUE OUT FOREST AVE FOR 1 MILE WHERE YOU CROSS THE RAILROAD TRACKS AND THEN IN 5 MILES YOU WILL TAKE A RIGHT ONTO WALTON STREET. PROCEED DOWN WALTON STREET FOR 2 MILES AND TAKE A LEFT ONTO CANCO ROAD. THE SITE IS ON YOUR LEFT 3 MILES DOWN CANCO ROAD.

SHEET NO.	DESCRIPTION	DATE	REV. NO.
T-1	TITLE SHEET	12/01/03	0
C-1	PLOT PLAN	12/01/03	0
C-2	SITE PLAN	12/01/03	0
C-3	ANTENNA PLAN & ELEVATION	12/01/03	0
D-1	SECTIONS AND DETAILS	12/01/03	0
D-2	SECTIONS AND DETAILS	12/01/03	0
G-1	GENERAL NOTES	12/01/03	0

SHEET INDEX

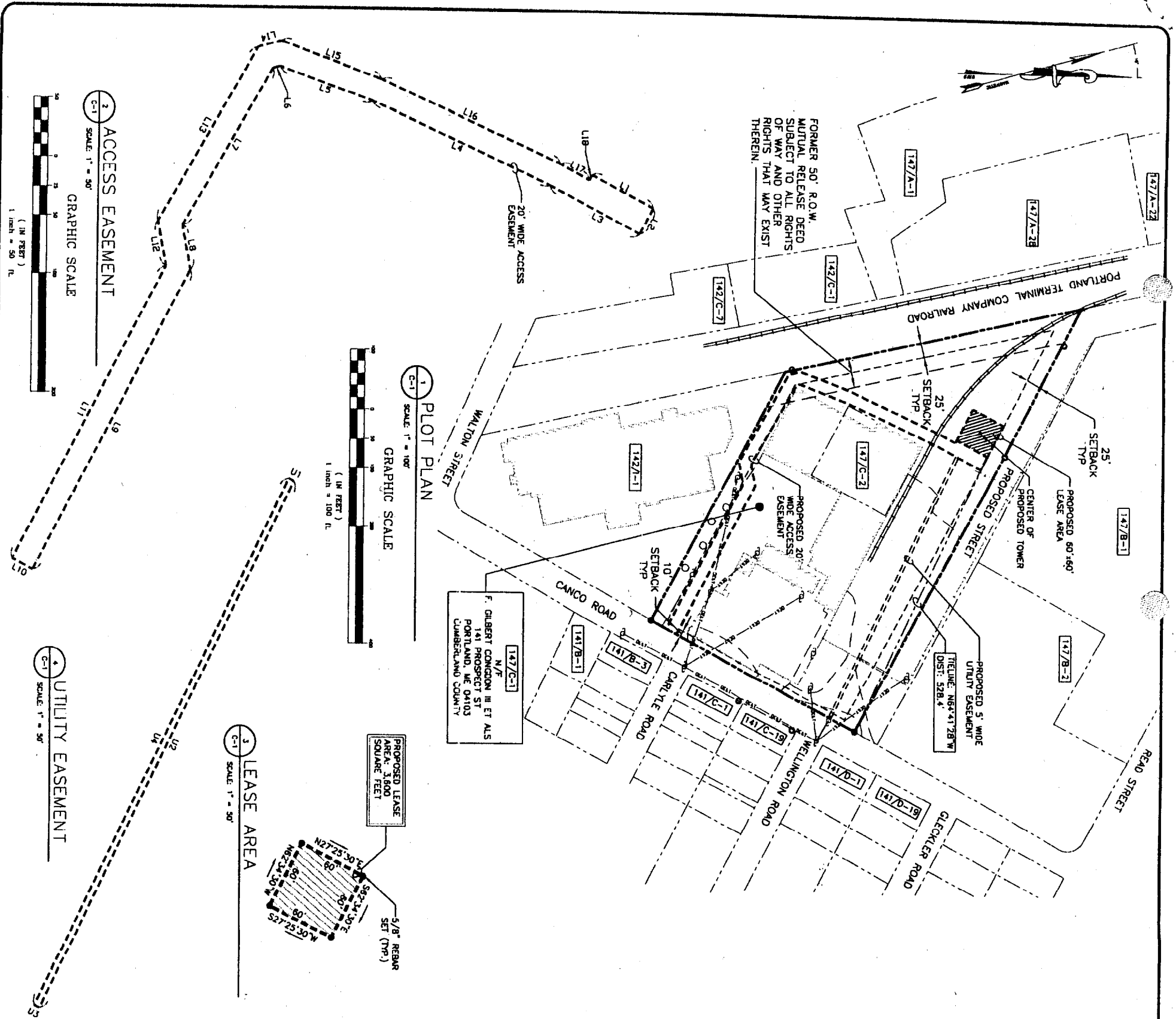
BUILDING REQUIREMENTS:
 BUILDING IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS NOT REQUIRED.

PLUMBING REQUIREMENTS:
 FACILITY HAS NO PLUMBING.

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

Michael J. [Signature]
 8/20/03

NO. DESCRIPTION DATE 0 2" CONSTRUCTION SET MSD 12/01/03 3JB AS NOTED MSD 590.59.01	SITE NAME CANCO ROAD SITE NUMBER 853334 ADDRESS 52 CANCO ROAD DRAWING TITLE TITLE SHEET	OEST Associates, Inc. <small>343 Corban Road - South Portland, ME 04106 engineers architects surveyors construction</small> TEL: (207) 761-1770 FAX: (207) 774-1246 OEST PROJ. NO: 390.69.01	LE: <i>[Signature]</i> SAKZ: <i>[Signature]</i> COMR: <i>[Signature]</i> USCC: <i>[Signature]</i> PM: <i>[Signature]</i>	 U.S. Cellular The way people talk around here.™ 288 Route 101, 2nd Floor, Bedford, NH 03110
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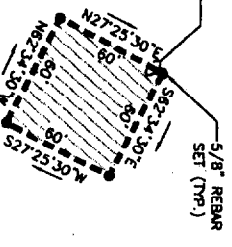
FORMER 50' R.O.W. MUTUAL RELEASE DEED SUBJECT TO ALL RIGHTS OF WAY AND OTHER RIGHTS THAT MAY EXIST THEREIN.

ACCESS EASEMENT
SCALE: 1" = 50'
GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft.

PLOT PLAN
SCALE: 1" = 100'
GRAPHIC SCALE
(IN FEET)
1 inch = 100 ft.

UTILITY EASEMENT
SCALE: 1" = 50'

LEASE AREA
SCALE: 1" = 50'



LIST OF ABUTERS

MAP LOT	RECORD OWNER	ADDRESS
141/B-1	RICHARD D. GRANV	17 WASHINGTON ST PORTLAND, ME 04103
141/B-3	KATHERINE W. KARLISAKOS	33 CANCO RD PORTLAND, ME 04103
141/C-1	JAMES E. & PAUCIA E. SERIBO JES	47 CANCO RD PORTLAND, ME 04103
141/D-1	CONNIE WHEELAND & JAMES C. BOKER JES	53 CANCO RD PORTLAND, ME 04103
141/D-19	NORMAN HUNTLEY NW VET I	63 CANCO RD PORTLAND, ME 04103
141/D-19	REBECCA V. DEAN	73 CANCO RD PORTLAND, ME 04103
142/C-1	NEPTUNE PROPERTIES INC.	120 EXCHANGE ST PORTLAND, ME 04101
142/C-2	STAMCO	150 ROXBOROUGH RD STANBURY, ME 04084
142/C-3	ALPINE REALTY CORP	120 EXCHANGE ST PORTLAND, ME 04101
147/A-22	JULI CORP	298 READ ST PORTLAND, ME 04102
147/B-2	J.B. BROWN & SONS	P.O. BOX 207 PORTLAND, ME 04102
147/C-2	BARBARA S. LITTEFIELD, VIRGINIA CONDON	5 SPRINGDALE DR PORTLAND, ME 04103

ZONING INFORMATION

ZONING DISTRICT: INDUSTRIAL-MODERATE IMPACT (M)
 ZONING STREET FRONTAGE: 60 FEET
 ZONING DEPTH: 10 FEET
 ZONING AREA: 25 FEET
 ZONING SETBACK: 25 FEET
 UNUSUAL LOT SIZE: N/A

DESCRIPTION OF LEASE AREA

A CERTAIN PARCEL OF LAND LOCATED NORTHWESTERLY OF CANCO ROAD IN THE CITY OF PORTLAND, CUMBERLAND COUNTY, MAINE, AND LYING WITHIN LAND OF THE GRANTOR(S), AS DESCRIBED IN BOOK 18547, PAGE 226, BOUNDED AND DESCRIBED AS FOLLOWS:
 BEGINNING AT A NUMBER 5 REBAR SET MARKING THE EASTERLY CORNER OF THE DESCRIBED PARCEL AND LOCATED N64°41'28"W, 528.4 FEET FROM A RON PIPE FOUND ON THE WESTERLY SIDELINE OF CANCO ROAD MARKING THE MOST EASTERLY CORNER OF SAID GRANTOR;
 THENCE: S27°25'30"W, 80.00 FEET TO A NO. 5 REBAR SET;
 THENCE: N62°34'30"W, 80.00 FEET TO A NO. 5 REBAR SET;
 THENCE: N27°25'30"E, 80.00 FEET TO A NO. 5 REBAR SET;
 THENCE: S82°34'30"E, 80.00 FEET TO THE POINT OF BEGINNING.
 THE ABOVE DESCRIBED PARCEL CONTAINS 3,600± SQUARE FEET. BEARINGS ARE BASED ON MAINE STATE GRID COORDINATE SYSTEM, WEST ZONE. (NAD 83)

PLAN REFERENCE

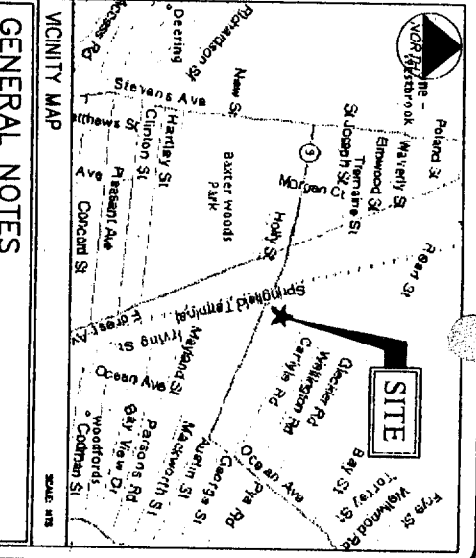
1. PLAN ENTITLED "TOPOGRAPHIC MAPPING OF AREA AT READ ST. TO OCEAN AVE. INTERSECTION, FOR CITY OF PORTLAND, MAINE ENGINEERING DIVISION," PREPARED BY AREAL SURVEY & PHOTO, INC. NORRIDGEBROOK, MAINE, DATED NOV 11, 1996.

ACCESS EASEMENT TABLE

LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
L1	N27°25'30"E	80.00'	L11	N62°17'49"W	281.26'
L2	S62°34'30"E	24.98'	L12	S79°14'06"W	39.76'
L3	S27°25'30"W	87.95'	L13	N60°17'17"W	170.02'
L4	S24°12'35"W	189.48'	L14	N14°51'39"W	20.85'
L5	S19°34'28"W	86.14'	L15	N19°34'28"E	93.14'
L6	S14°51'39"E	6.28'	L16	N24°12'35"E	170.85'
L7	S60°17'17"E	154.28'	L17	N27°25'30"E	28.52'
L8	N79°14'06"E	39.36'	L18	N62°34'30"W	4.98'
L9	S62°17'49"E	288.38'			
L10	S28°06'00"W	20.00'			

UTILITY EASEMENT TABLE

LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
U1	N27°25'30"E	5.00'	U3	S28°06'00"W	5.01'
U2	S64°29'14"E	502.82'	U4	N64°29'14"W	502.76'



GENERAL NOTES

- DATES OF FIELD SURVEY: NOVEMBER, 2003
- SITE NAME: CANCO ROAD
- SITE NUMBER: 853334
- SITE ADDRESS: 52 CANCO ROAD, PORTLAND, ME 04103, CUMBERLAND COUNTY
- OWNER: F. GILBERT CONDON III ET ALS, 141 PROSPECT ST, PORTLAND, ME 04103, CUMBERLAND COUNTY
- APPLICANT: U.S. CELLULAR C/O LLC, 482 CONGRESS STREET, SUITE 502, PORTLAND, MAINE 04101
- JURISDICTION: PORTLAND, MAINE
- ZONING DISTRICT: INDUSTRIAL-MODERATE IMPACT (M)
- TAX IDENTIFICATION: MAP 147, BLOCK C LOT 1
- DEED BOOK/PAGE: 18547/226
- 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° 40' 54.07" N (NAD 83), LONGITUDE: 70° 17' 13.28" W (NAD 83), GROUND EL. = 88.07±.
- 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 DISSAFE (1888) 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 7 OF 17, COMMUNITY PLAN NUMBER 230051 0007 B EFFECTIVE DATE JULY 17, 1998. ZONE C IS DEFINED AS AN AREA OF MINIMAL FLOODING.

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. WAITS
 LICENSED LAND SURVEYOR #1245
 DATE: 12/01/03

LEGEND

- PROPERTY LINE
- IRON PILE FOUND (AS NOTED)
- 5/8" REBAR SET
- UTILITY POLE
- GRANITE MONUMENT FOUND
- ZONING BOUNDARY LINE

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

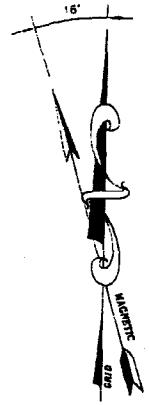
THIS DRAWING WAS CREATED FOR A FULL SIZE OF 22"x34". IT HAS BEEN REDUCED 50% FOR SUBMISSION PURPOSES.

C-1

OEST Associates, Inc.
 141 Congress Road, Suite 502, Portland, ME 04103
 TEL: (207) 761-1770
 FAX: (207) 774-1246
 OEST PROJ. NO: 39069.01

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LEGEND	
---	PROPERTY LINE
- - -	ABUTTING PROPERTY LINE
- · - · -	PROPOSED SITUATION FENCE
○	IRON PIN FOUND (AS NOTED)
⊕	UTILITY POLE
- · - · -	EXISTING CONTOUR
⊘	STONE WALL
⋈	EXISTING TREE LINE

NOTES:

1. CONTRACTOR SHALL LOCATE EXISTING CATCH BASIN OUTLET BEFORE BEGINNING WORK ON NEW FIELD INLET. EXISTING CATCH BASIN OUTLET SHALL BE UTILIZED BY CONTRACTOR TO OUTLET NEW FIELD INLET. CONNECTION OF NEW PIPE INTO EXISTING PIPE OR PROPOSED FIELD INLET SHALL BE DONE ACCORDING TO CITY OF PORTLAND STANDARDS. CONTRACTOR SHALL SUPPLY AND INSTALL CITY OF PORTLAND APPROVED FRAME AND COVER.
2. CONTRACTOR SHALL GRADE OUTLET OF PIPE AWAY FROM BUILDING.

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ORIGINAL

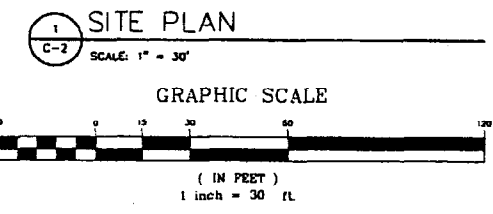
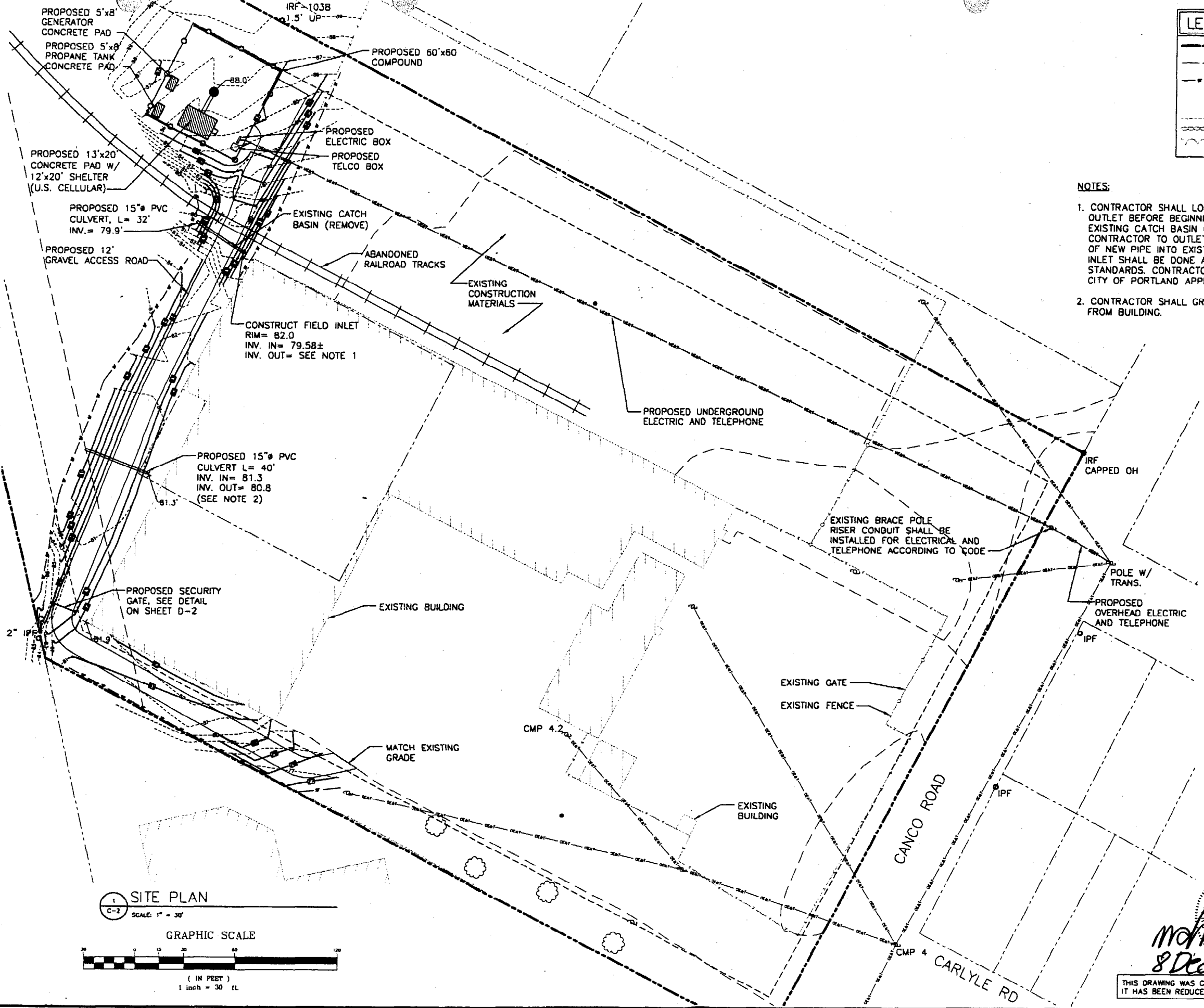
CEST Associates, Inc.
 343 Warren Road - South Portland, ME 04106
 Telephone: (207) 781-1770
 Fax: (207) 774-1246
 CEIST PROJ. NO. 390.69.01

SITE NAME: CANCO ROAD
 SITE NUMBER: 653334
 ADDRESS: 52 CANCO ROAD
 DRAWING TITLE: SITE PLAN

REVISIONS		
NO.	DESCRIPTION	DATE
0	FOR CONSTRUCTION	12/01/03

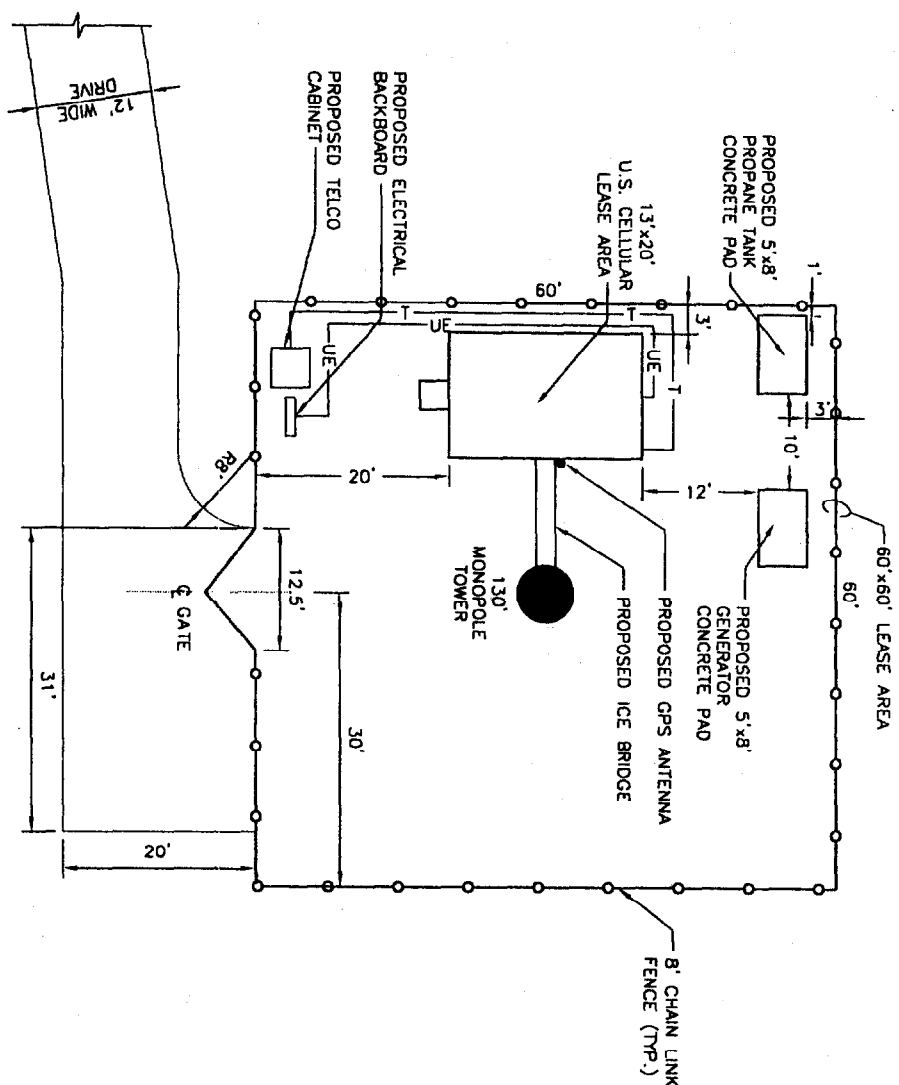
DESIGNED BY: MSD DATE: 12/01/03
 DRAWN BY: BJB SCALE: AS NOTED
 CHECKED BY: MSD PROJECT NO: 390.69.01

C-2

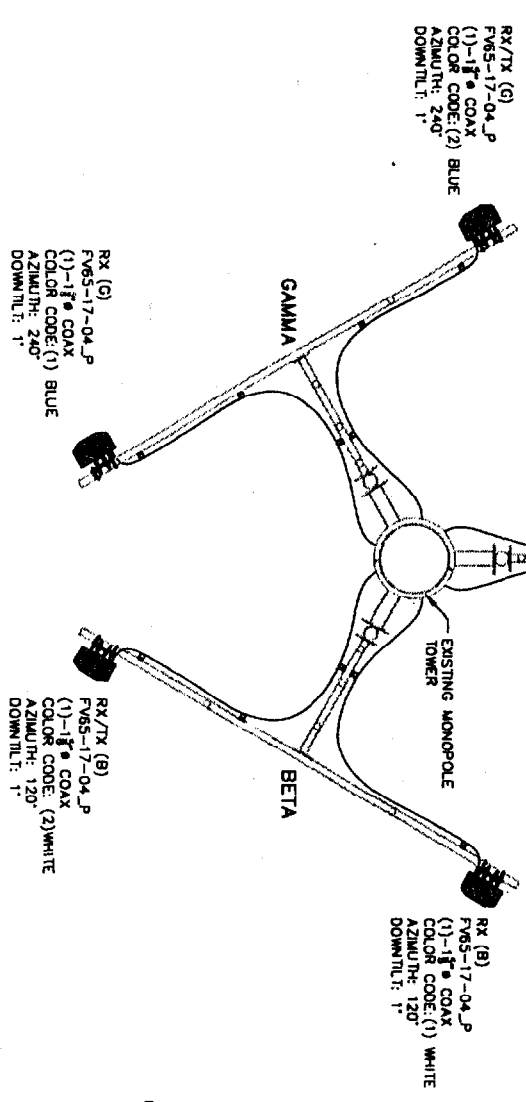
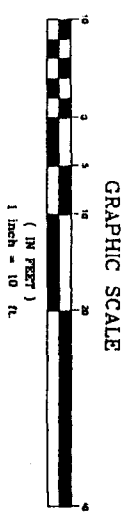


STATE OF MAINE
 MICHAEL DELETSKY
 No. 2023
 8 Dec 03

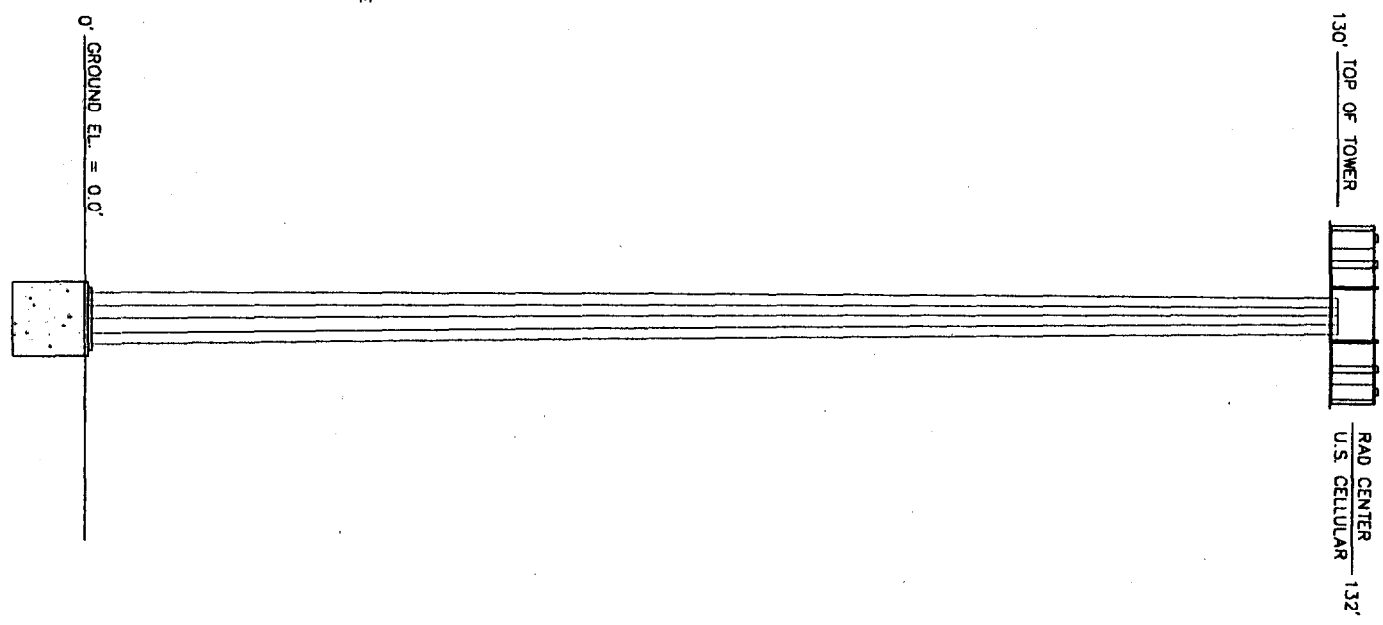
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1 COMPOUND LAYOUT
SCALE: 1" = 10'



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

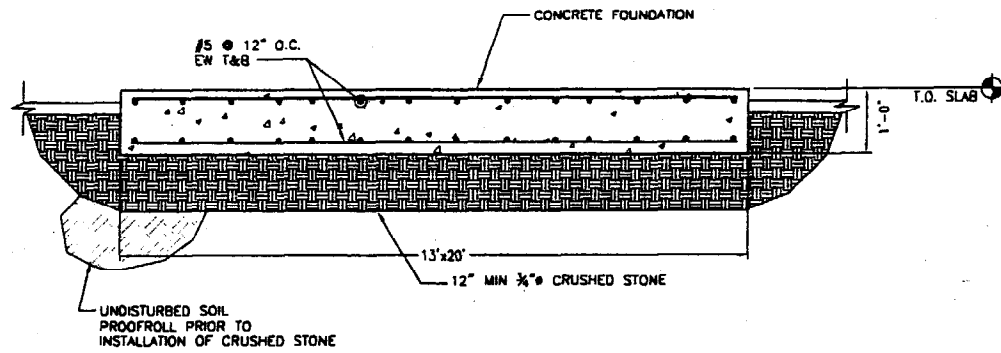


3 EXISTING TOWER ELEVATION
SCALE: N.T.S.

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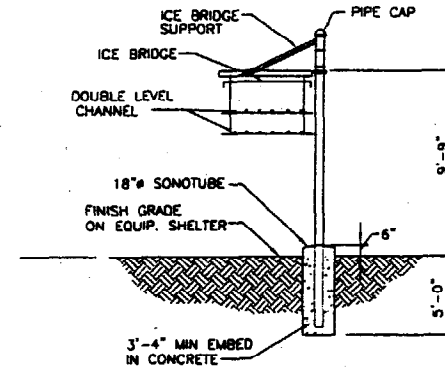
STATE OF MAINE
MICHAEL
REGISTERED PROFESSIONAL ENGINEER
NO. 5023
DATE: 12/01/03
BY: [Signature]
PROJECT: [Signature]

REVISIONS NO. DESCRIPTION DATE	SITE NAME CANCO ROAD	OEST Associates, Inc. 343 Durham Road - South Portland, ME 04106 engineers architects surveyors construction managers	ORIGINAL	 U.S. Cellular The way people talk around here.
	SITE NUMBER 853334			
	ADDRESS 52 CANCO ROAD			
	DRAWING TITLE ANTENNA PLAN & ELEVATION			
O FOR CONSTRUCTION ONLY	DATE: 12/01/03	TEL: (207) 761-1770 FAX: (207) 774-1246	OEST PROJ. NO: 390.69.01	288 Route 101, 2nd Floor, Bedford, NH 03110



TYPICAL EQUIPMENT SHELTER FOUNDATION DETAIL

N.T.S.



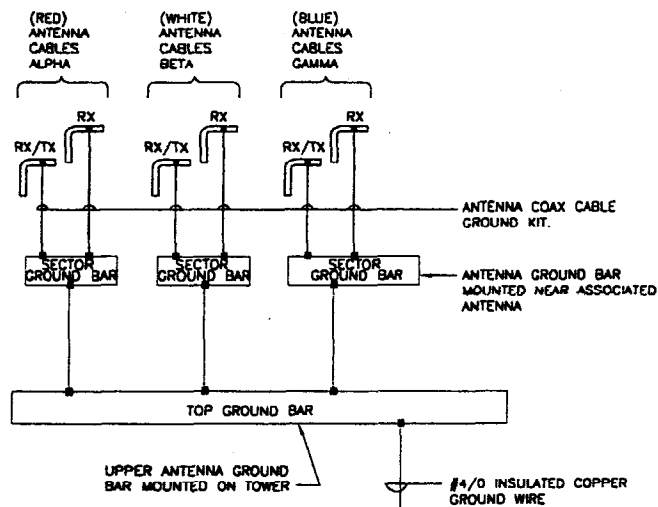
- NOTES:
1. TYPICAL HANGER KIT SHOWN. CONTRACTOR MAY REPLACE WITH EQUAL AS APPROVED BY CONSTRUCTION MANAGER.
 2. SEE COAXIAL CABLE BRIDGE NOTES SHEET G-1
 3. FOR BURIED LEDGE AT LESS THAN 3'-6", CORE LEDGE WITH 4- $\frac{1}{2}$ " \times 8" DEEP HOLES & GROUT. #3 REINFORCING STEEL WITH #3 TIES @ 6" O.C.

ICE BRIDGE DETAIL

N.T.S.

DESCRIPTION	VALMONT PART #
PIPE (12' EXPOSED)	B273 (@10' O.C.)
PIPE CAP	B1612
BRIDGE SUPPORT	B1211
BRIDGE (18")	B02204
COAX HANGAR (SINGLE LEVEL HANGAR)	B02283@3' O.C.

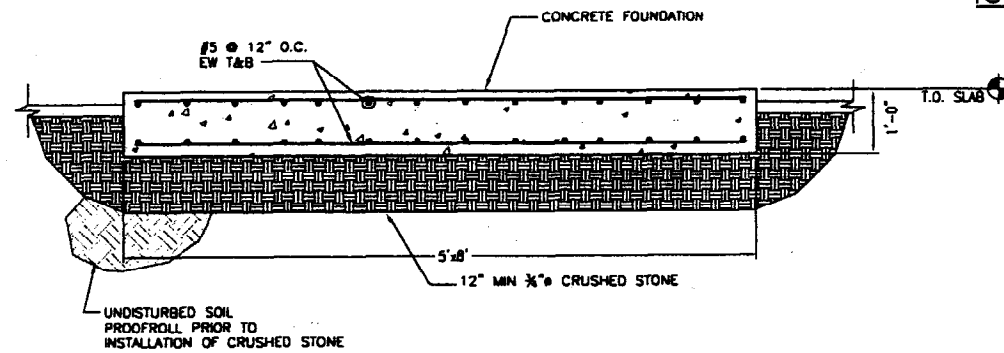
* PROVIDE VALMONT B279X (12'-3 $\frac{1}{2}$ " POLE WITH BASE #) WHERE BRIDGE IS ON EXISTING CONCRETE SLAB. PROVIDE 2- $\frac{1}{2}$ " \times 10" LONG HILT HAS RODS. EMBED 6" INTO EXISTING CONCRETE WITH 1- $\frac{1}{2}$ " \times 6 $\frac{1}{2}$ " HVA EPOXY ANCHOR.



GROUND RISER DIAGRAM

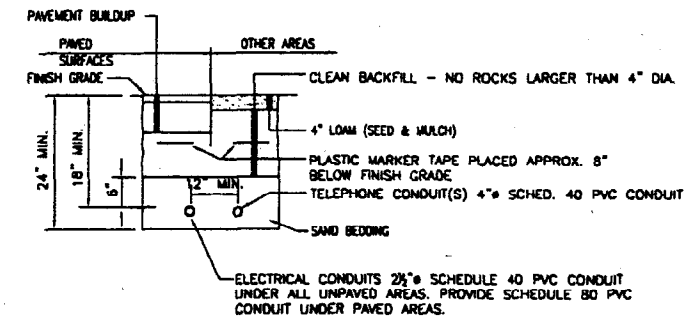
N.T.S.

— GROUND CONNECTION



TYPICAL GENERATOR AND PROPANE TANK FOUNDATION DETAIL

N.T.S.



TYPICAL SECTION ELECTRICAL & TELEPHONE SERVICE TRENCH

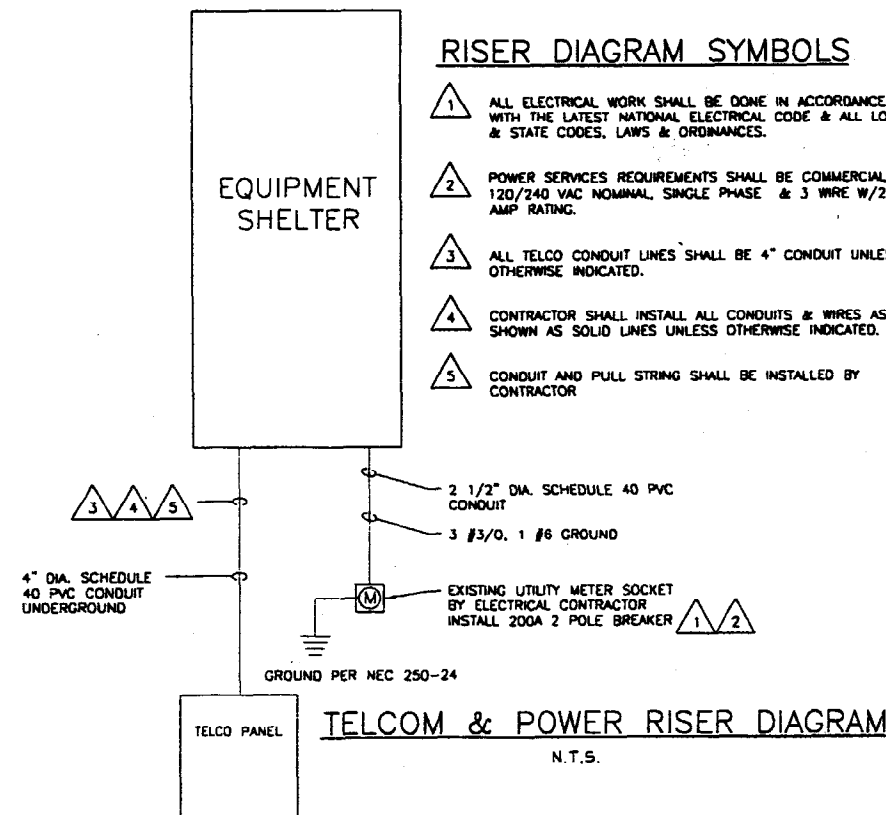
N.T.S.

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.

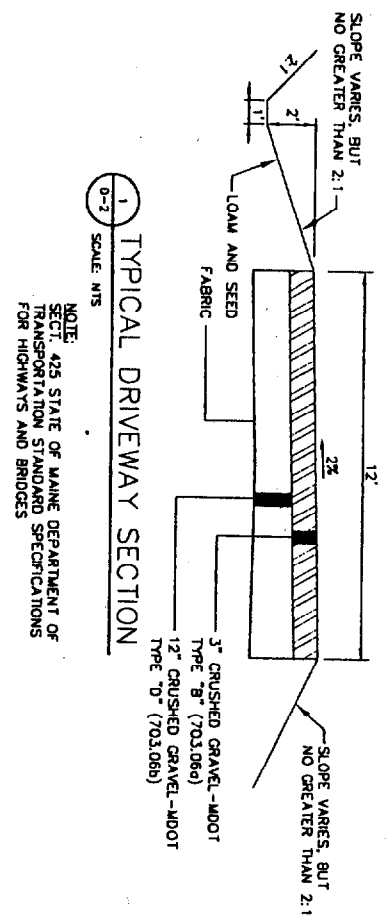
ORIGINAL

CEST Associates, Inc.
343 Gordon Road - South Plainfield, NJ 07080
TEL: (207) 781-1770
FAX: (207) 774-1246
CEST PROJ. NO: 390.69.01

NO.	REVISIONS	DATE
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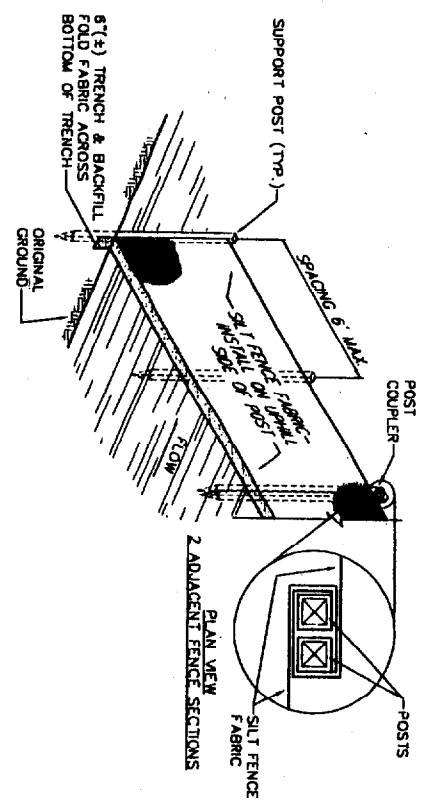
DESIGNED BY: MSD
DATE: 12/01/03
DRAWN BY: BJB
SCALE: AS NOTED
CHECKED BY: MSD
PROJECT NO: 390.69.01
DRAWING NO: D-1

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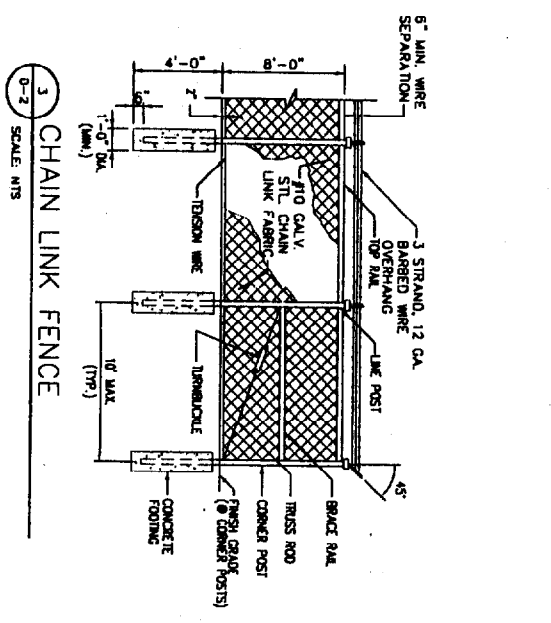


1 TYPICAL DRIVEWAY SECTION
SCALE: NTS

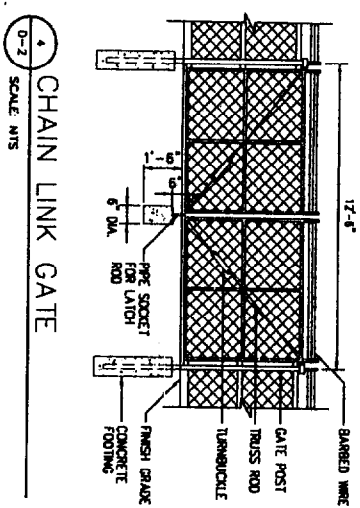
NOTE: 425 STATE OF MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES



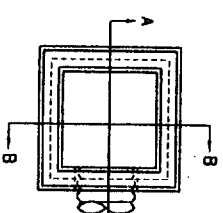
2 SILTATION FENCE INSTALLATION DETAIL
SCALE: NTS



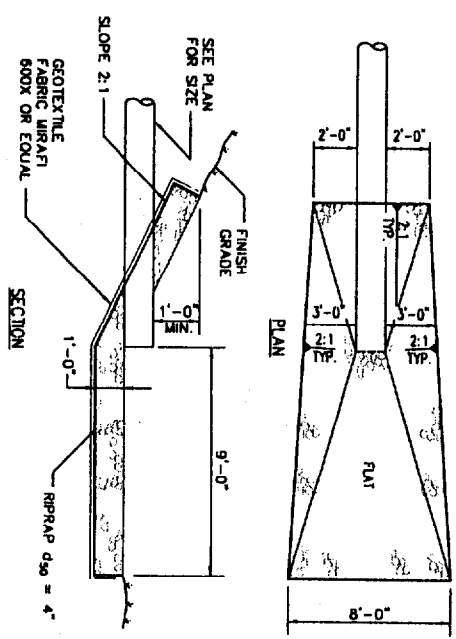
3 CHAIN LINK FENCE
SCALE: NTS



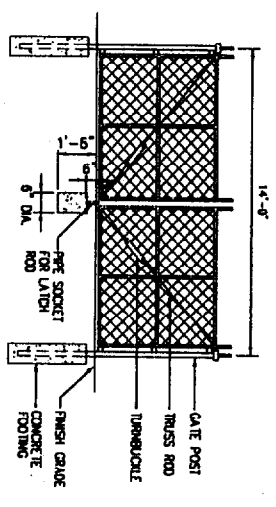
4 CHAIN LINK GATE
SCALE: NTS



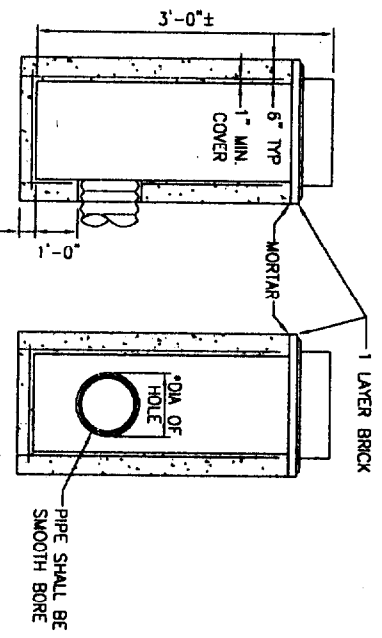
5 TYPICAL CULVERT OUTLET
SCALE: NTS



6 SECURITY GATE
SCALE: NTS



7 CHAIN LINK GATE
SCALE: NTS



8 FIELD INLET
SCALE: NTS

* DIAMETER OF HOLE TO BE 3\"/>

NOTE: ENTIRE CATCH BASIN WITH EXCEPTION OF LEVELING BRICK FRAME AND GRATE TO BE PRECAST AS A SINGLE PORTLAND CEMENT CONCRETE UNIT.

THIS DRAWING WAS CREATED FOR A FULL SIZE OF 22\"/>



DATE	12/01/03	
BY	AS NOTED	
CHECKED BY	390.69.01	
PROJECT NO.		
DATE		
DESCRIPTION		
REVISIONS		
NO.	DATE	DESCRIPTION

OEST Associates, Inc.
343 Gorham Road - South Portland, ME 04106
engineers architects surveyors construction managers
TEL: (207) 761-1770
FAX: (207) 774-1246
OEST PROJ. NO: 390.69.01

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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 BRACING. NOTIFY ALL STRUCTURAL COMPONENTS AND DIMENSION DISCREPANCIES PRIOR TO FABRICATION OR ERECTION.
- CODES**
- ALL DESIGN AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE BC 2000.
 - ADDITIONAL REFERENCED STANDARDS:
 - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION - ALLOWABLE STRESS DESIGN 1989, 3TH EDITION
 - WELT BUILDING MANUFACTURES ASSOCIATION (WBMA) 1988 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 TORSION 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 I.
 - ALL STRUCTURAL CONCRETE SHALL BE AIR ENTRAINED (5.5 +/- 1.5%).
 - SUMP SHALL BE 2" TO 4".
- REINFORCING STEEL SHALL HAVE MINIMUM COVER PROTECTION AS FOLLOWS:
 - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:
 - CONCRETE EXPOSED TO EARTH OR WEATHER: 2"
 - CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: 1 1/2"
 - WALLS, JOISTS - #11 BAR AND SMALLER: 3/4"
 - BEAMS, COLUMNS: 1 1/2"
 - 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 STEEL: ASTM A323-V, U.N.O.
 - ANCHOR BOLTS: ASTM A307 OR ASTM A306
 - THREADER BOLTS: ASTM A307 OR ASTM A307
 - WELDING ELECTRODES: E70XX

GROUNDING NOTES:

- ALL DETAILS ARE SHOWN DIAGNOSTICALLY. ACTUAL GROUNDING INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
- ALL GROUND WIRE SHALL BE BARE TANKED 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 SWAMPY 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, EXCAVATORS, LOADERS, TRUCKS, GRAPES, COMPACTORS, AND GRADERS. EROSION CONTROL MEASURES WILL BE UNDERTAKEN TO PROVIDE MAXIMUM PROTECTION TO THE SOIL, WATER, AND ADJACENT LANDS:
- PRIOR TO GRUBBING OR ANY EARTH-MOVING OPERATION, SLOPES SHALL BE INSTALLED ACROSS THE SLOPE ON THE CONTROL 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 REVEALED.
 - 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 COMPLY WITH THIS TIME FRAME, 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.

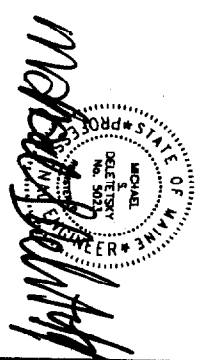
SEEDING AND REVEGETATION PLAN

- UPON COMPLETION OF SITE CONSTRUCTION, ALL AREAS PREVIOUSLY DISTURBED SHALL BE REVEGETATED 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 120 POUNDS PER 1000 SQUARE FEET, FOLLOWED BY 10-10-10 FERTILIZER AT THE RATE OF 14 POUNDS PER 1,000 SQUARE FEET.
 - DISTURBED AREAS WILL BE SEEDS AT THE RATE OF 100 LBS./ACRE OR MOOT 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.
 - MAY 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 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.
- POSTION BRIDGE ASSEMBLY SO THAT COAXIAL CABLES INTERSECT AT LOWER CENTERLINE. HEIGHT ABOVE GROUND MAY VARY ACCORDING TO SITE UNDOIT.
- FOUNDATION SHALL BE 18" DIA. SANDSTONE OR DEEP BELOW GRADE AND 8" ABOVE GRADE FILLED WITH 4000 PSI CONCRETE WITH 3/4" MAXIMUM AGGREGATE.

THIS DRAWING WAS CREATED FOR A TITL SIZE OF 22" x 34" IT HAS BEEN REDUCED 50% FOR SUBMISSION PURPOSES.



OEST Associates, Inc. 343 Canton Road - South Portland, ME 04106 engineers architects surveyors construction managers		ORIGINAL	<p>U.S. Cellular The way people talk around here... 288 Route 101, 2nd Floor, Bedford, NH 03110</p>
TEL: (207) 781-1770 FAX: (207) 774-1246 OEST PROJ. NO: 390.69.01	SITE NAME: CANCO ROAD SITE NUMBER: 853334 ADDRESS: 52 CANCO ROAD DRAWING TITLE: GENERAL NOTES		
REVISIONS:	DATE:	G-1	0 FOR CONSTRUCTION



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SITE NAME: CANCO ROAD
 SITE NO. 853334
 LATITUDE: 43° 40' 54.07"
 LONGITUDE: 70° 17' 13.28"

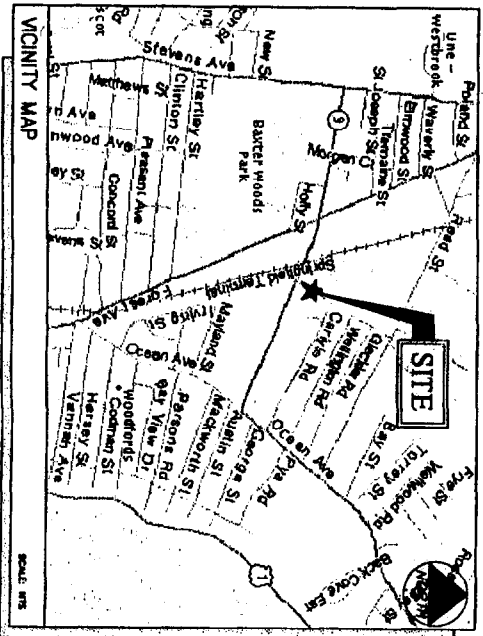
PROJECT SUMMARY

SITE NUMBER: 853334
 SITE NAME: CANCO ROAD
 TOWER TYPE: 150' MONOPOLE TOWER (PROPOSED)
 SITE ADDRESS: 52 CANCO ROAD, PORTLAND, ME 04103

PROPERTY OWNER: F. GILBERT CONGDON III ET ALS
 141 PROSPECT ST, PORTLAND, ME 04103

MAP & LOT: 147/C/V

APPLICANT: U.S. CELLULAR
 c/o LDC
 482 CONGRESS STREET, SUITE 502
 PORTLAND, MAINE 04101

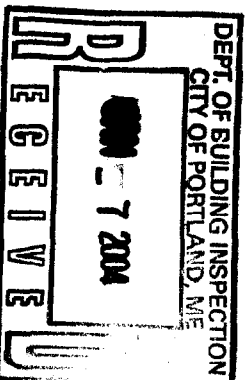


DIRECTIONS

FROM PORTLAND INTERNATIONAL AIRPORT: FROM AIRPORT TAKE THE ACCESS ROAD TO ROUTE 9/22 (APPROX. 8 MILES) AND TAKE A RIGHT ONTO OUTER CONGRESS STREET. PROCEED 2.1 MILES ON CONGRESS STREET TO THE INTERSTATE 295 NORTH EXIT AND FOLLOW 1.295 NORTH TO EXIT 6B. THE EXIT WILL PUT YOU ON FOREST AVENUE WEST AND CONTINUE DIRT FOREST AVE FOR 1 MILE WHERE YOU CROSS THE RAILROAD TRACKS AND THEN IN 0.5 MILES YOU WILL TAKE A RIGHT ONTO WALTON STREET. PROCEED DOWN WALTON STREET FOR 2 MILES AND TAKE A LEFT ONTO CANCO ROAD. THE SITE IS ON YOUR LEFT 3 MILES DOWN CANCO ROAD.

SHEET NO.	DESCRIPTION	DATE	REV. NO.
T-1	TITLE SHEET	12/01/03	0
C-1	PLAT PLAN	12/01/03	0
C-2	SITE PLAN	12/01/03	0
C-3	ANTENNA PLAN & ELEVATION	12/01/03	0
D-1	SECTIONS AND DETAILS	12/01/03	0
D-2	SECTIONS AND DETAILS	12/01/03	0
G-1	GENERAL NOTES	12/01/03	0

BUILDING REQUIREMENTS:
 BUILDING IS UNMANNED AND NOT FOR HUMAN OCCUPANCY. HANDCAPPED ACCESS REQUIREMENTS NOT REQUIRED.
PLUMBING REQUIREMENTS:
 FACILITY HAS NO PLUMBING.



03 1524

147 C001

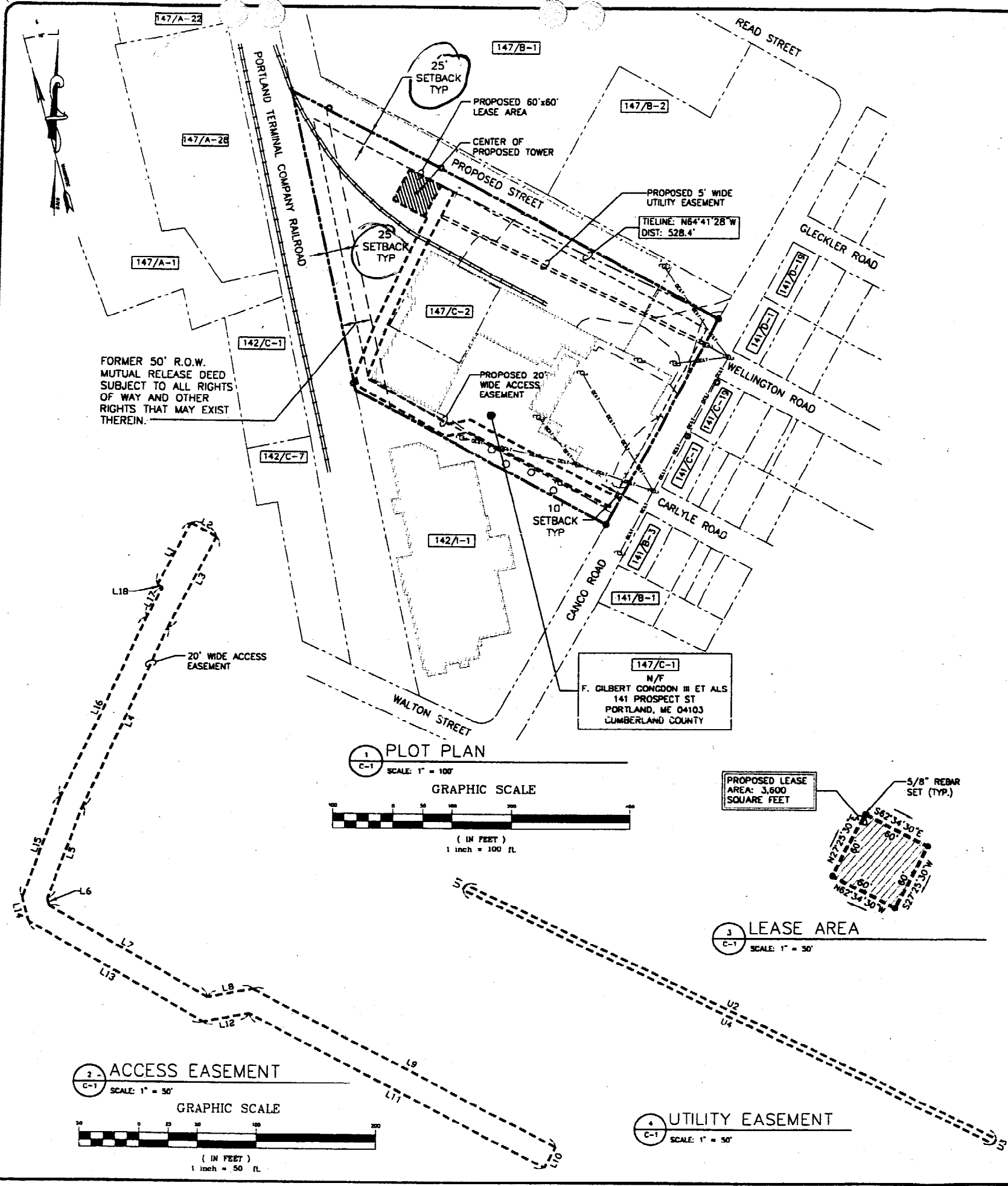
52 Canco Rd

used for 2m



THIS DRAWING WAS CREATED FOR A FULL SIZE OF 22" x 34" IT HAS BEEN REDUCED 50% FOR SUBMISSION PURPOSES.

0 FOR CONSTRUCTION PERMIT MSD 12/01/03 BJB AS NOTED MSD 590.69.01	SITE NAME: CANCO ROAD SITE NUMBER: 853334 ADDRESS: 52 CANCO ROAD DRAWING TITLE: TITLE SHEET	OEST Associates, Inc. 343 Gorton Road - South Portland, ME 04106 TEL: (207) 781-1770 FAX: (207) 774-1246 OEST PROJ. NO: 390.69.01	SA S4/2M CONST. USCC	<p>U.S. Cellular The way people talk around here.™ 288 Route 101, 2nd Floor, Bedford, NH 03110</p>
	NO. DESCRIPTION DATE REVISIONS	OEST PROJ. NO: 390.69.01	T-1	



LIST OF ABUTTERS

CITY OF PORTLAND

MAP/LOT	RECORD OWNER	ADDRESS
141/B-1	RICHARD D. CRAVEN	17 WASHINGTON ST PELHAM, NH 03078
141/B-3	KATHERINE M. KARATSANOS	33 CANCO RD PORTLAND, ME 04103
141/C-1	JAMES E. & PAMELA E. SELBERG JTS	47 CANCO RD PORTLAND, ME 04103
141/C-19	CORINE KNEELAND & JANICE L. RICKER JTS	53 CANCO RD PORTLAND, ME 04103
141/D-1	NORMAN HUNTLEY KW VET	63 CANCO RD PORTLAND, ME 04103
141/D-19	REBECCA V. DEAN	73 CANCO RD PORTLAND, ME 04103
142/C-1	NEPTUNE PROPERTIES INC.	120 EXCHANGE ST PORTLAND, ME 04101
147/A-1	147/A-28	147/A-28
142/C-7	STAMCO	1550 RICHVILLE RD #18 STANDISH, ME 04084
142/A-1	ALPINE REALTY CORP	120 EXCHANGE ST PORTLAND, ME 04101
147/A-22	JM&L CORP	258 READ ST PORTLAND, ME 04102
147/B-1	147/B-2	147/B-2
147/C-2	BARBARA C. LITTLEFIELD, VIRGINIA CONDOM	5 PINELOCH DR PORTLAND, ME 04103

ZONING INFORMATION

ZONING DISTRICT: INDUSTRIAL-MODERATE IMPACT (M)

MINIMUM STREET FRONTAGE:	60 FEET
FRONT YARD SETBACK:	10 FEET
SIDE YARD SETBACK:	25 FEET
REAR YARD SETBACK:	25 FEET
MINIMUM LOT SIZE:	N/A

DESCRIPTION OF LEASE AREA

LEGAL DESCRIPTION - LEASE PARCEL

A CERTAIN PARCEL OF LAND LOCATED NORTHWESTERLY OF CANCO ROAD IN THE CITY OF PORTLAND, CUMBERLAND COUNTY, MAINE, AND LYING WITHIN LAND OF THE GRANTOR(S), AS DESCRIBED IN BOOK 18547, PAGE 226, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A NUMBER 5 REBAR SET MARKING THE EASTERLY CORNER OF THE DESCRIBED PARCEL AND LOCATED N64°41'28"W, 528.4 FEET FROM A IRON PIPE FOUND ON THE WESTERLY SIDELINE OF CANCO ROAD MARKING THE MOST EASTERLY CORNER OF SAID GRANTOR:

THENCE, S27°25'30"W, 60.00 FEET TO A NO. 5 REBAR SET;

THENCE, N62°34'30"W, 60.00 FEET TO A NO. 5 REBAR SET;

THENCE, N27°25'30"E, 60.00 FEET TO A NO. 5 REBAR SET;

THENCE, S62°34'30"E, 60.00 FEET TO THE POINT OF BEGINNING.

THE ABOVE DESCRIBED PARCEL CONTAINS 3,600± SQUARE FEET.

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

PLAN REFERENCE

1. PLAN ENTITLED "TOPOGRAPHIC MAPPING OF AREA #1 READ ST. TO OCEAN AVE. INTERCEPTOR, FOR CITY OF PORTLAND, MAINE ENGINEERING DIVISION," PREPARED BY: AREAL SURVEY & PHOTO, INC. NORRIDGEWOCK, MAINE, DATED NOV 11, 1996.

ACCESS EASEMENT TABLE

LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
L1	N27°25'30"E	60.00'	L11	N62°17'49"W	281.26'
L2	S62°34'30"E	24.98'	L12	S79°14'06"W	39.78'
L3	S27°25'30"W	87.95'	L13	N60°17'17"W	170.02'
L4	S24°12'35"W	169.48'	L14	N14°51'39"W	20.85'
L5	S19°34'28"W	86.14'	L15	N19°34'28"E	93.14'
L6	S14°51'39"E	6.28'	L16	N24°12'35"E	170.85'
L7	S60°17'17"E	154.28'	L17	N27°25'30"E	28.52'
L8	N79°14'06"E	39.36'	L18	N62°34'30"W	4.98'
L9	S62°17'49"E	288.38'			
L10	S28°06'00"W	20.00'			

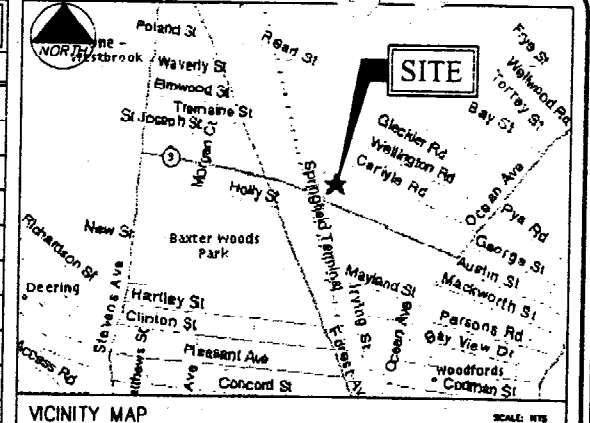
UTILITY EASEMENT TABLE

LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
U1	N27°25'30"E	5.00'	U3	S28°06'00"W	5.01'
U2	S64°29'14"E	502.82'	U4	N64°29'14"W	502.76'

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.



- ### GENERAL NOTES
- DATES OF FIELD SURVEY: NOVEMBER, 2003
 - SITE NAME: CANCO ROAD
 - SITE NUMBER: 853334
 - SITE ADDRESS: 52 CANCO ROAD
PORTLAND, ME 04103
CUMBERLAND COUNTY
 - OWNER: F. GILBERT CONGDON III ET ALS
141 PROSPECT ST
PORTLAND, ME 04103
CUMBERLAND COUNTY
 - APPLICANT: U.S. CELLULAR c/o LCC
482 CONGRESS STREET, SUITE 502
PORTLAND, MAINE 04101
 - JURISDICTION: PORTLAND, MAINE
 - ZONING DISTRICT: INDUSTRIAL-MODERATE IMPACT (M)
 - TAX IDENTIFICATION: MAP 147 BLOCK C LOT 1
DEED BOOK/PAGE: 18547/226
 - 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° 40' 54.07" N (NAD 83)
LONGITUDE: 70° 17' 13.28" W (NAD 83)
GROUND EL. = 88.0'±
 - 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 7 OF 17, COMMUNITY PANEL NUMBER 230051 0007 B EFFECTIVE DATE JULY 17, 1986. ZONE C IS DEFINED AS AN AREA OF MINIMAL FLOODING.

FAA CERTIFICATION - 2C

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

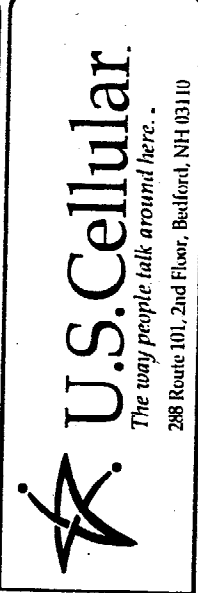
+/- TWENTY (20) FEET VERTICALLY
+/- FIFTY (50) FEET HORIZONTALLY

JEROME B. WATTS
LICENSED LAND SURVEYOR #1245

12/01/03 DATE

LEGEND

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

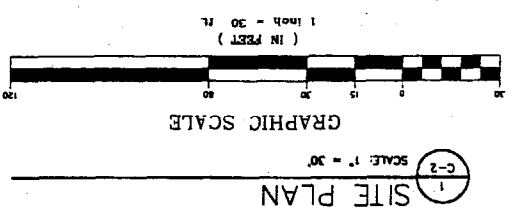
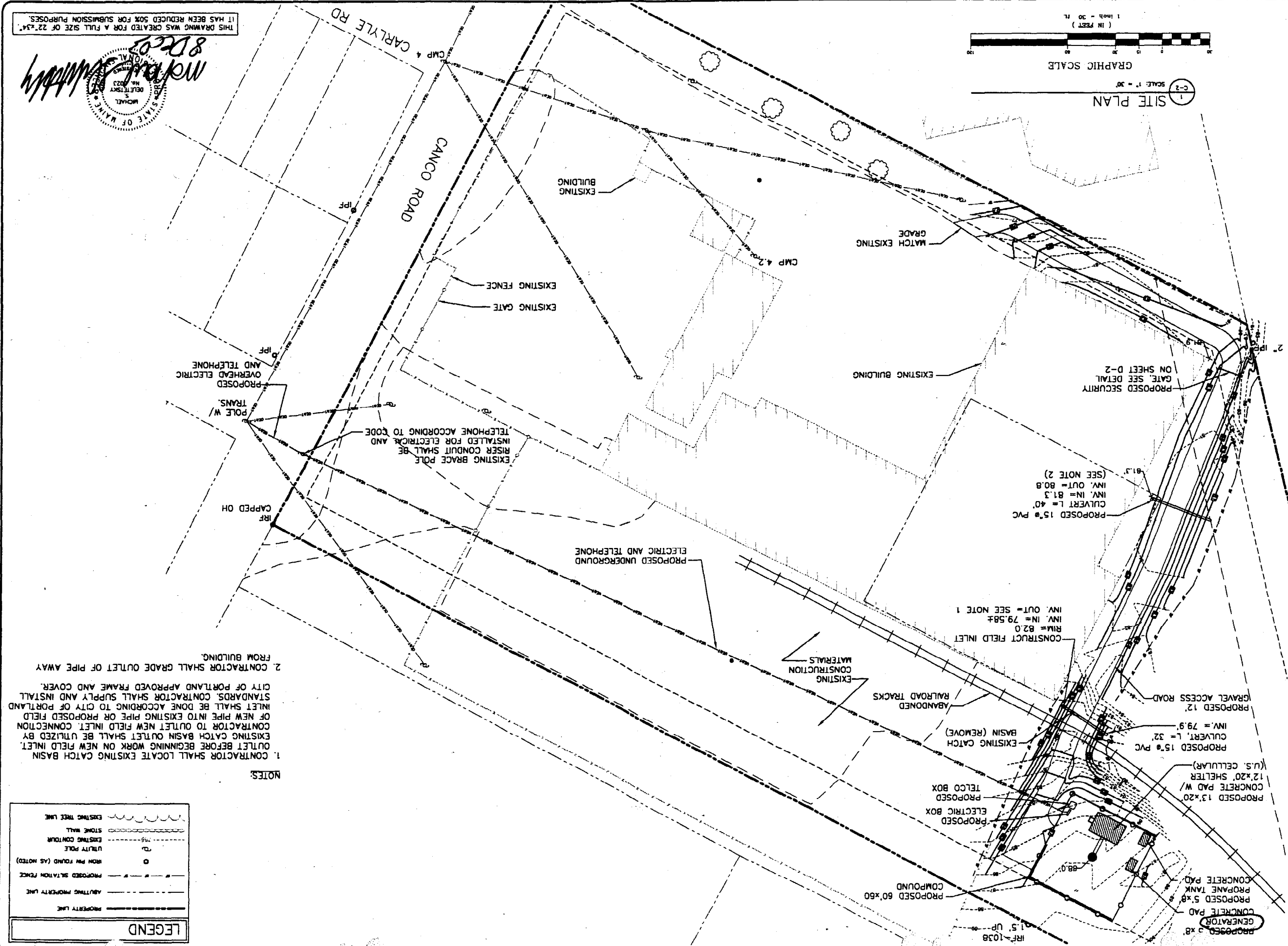


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CEST Associates, Inc.
340 Cannon Road - South Portland, ME 04086
TEL: (207) 781-1770
FAX: (207) 774-1246
CEST PROJ. NO: 39089.01

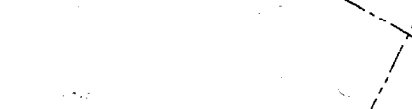
NO.	DESCRIPTION	DATE
0	FOR CONSTRUCTION	12-01-03
1	DESIGNED BY MSD	12/01/03
2	DRAWN BY BJB	SCALE AS NOTED
3	CHECKED BY MSD	PROJECT NO 590.69.01
4	DRAWING TITLE	

C-1



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

Michael Deletsky
8 Dec 03



NO.	DESCRIPTION	DATE
0	FOR CONSTRUCTION	

SITE MANUAL
CANCO ROAD
SITE NUMBER
8533334
ADDRESS
52 CANCO ROAD
SITE PLAN

OGST Associates, Inc.
303 Columbia Road - South Portland, ME 04106
Tel: (207) 781-1770
Fax: (207) 774-1248
OGST PROJ. NO. 390,69.01

NOTES:

- CONTRACTOR SHALL LOCATE EXISTING CATCH BASIN OUTLET BEFORE BEGINNING WORK ON NEW FIELD INLET. EXISTING CATCH BASIN OUTLET SHALL BE UTILIZED BY CONTRACTOR TO OUTLET NEW FIELD INLET. CONNECTION OF NEW PIPE INTO EXISTING PIPE OR PROPOSED FIELD INLET SHALL BE DONE ACCORDING TO CITY OF PORTLAND STANDARDS. CONTRACTOR SHALL SUPPLY AND INSTALL CITY OF PORTLAND APPROVED FRAME AND COVER.
- CONTRACTOR SHALL GRADE OUTLET OF PIPE AWAY FROM BUILDING.

LEGEND

—	PROPERTY LINE
---	ABUTTING PROPERTY LINE
---	PROPOSED STATION FENCE
○	IRON PIN FOUND (AS NOTED)
○	UTILITY POLE
---	EXISTING CONDUIT
---	STONE WALL
---	EXISTING TREE LINE

C-2

MSD	390,69.01
AS NOTED	BJB
MSD	12/01/03

OGST Associates, Inc.
303 Columbia Road - South Portland, ME 04106
Tel: (207) 781-1770
Fax: (207) 774-1248
OGST PROJ. NO. 390,69.01

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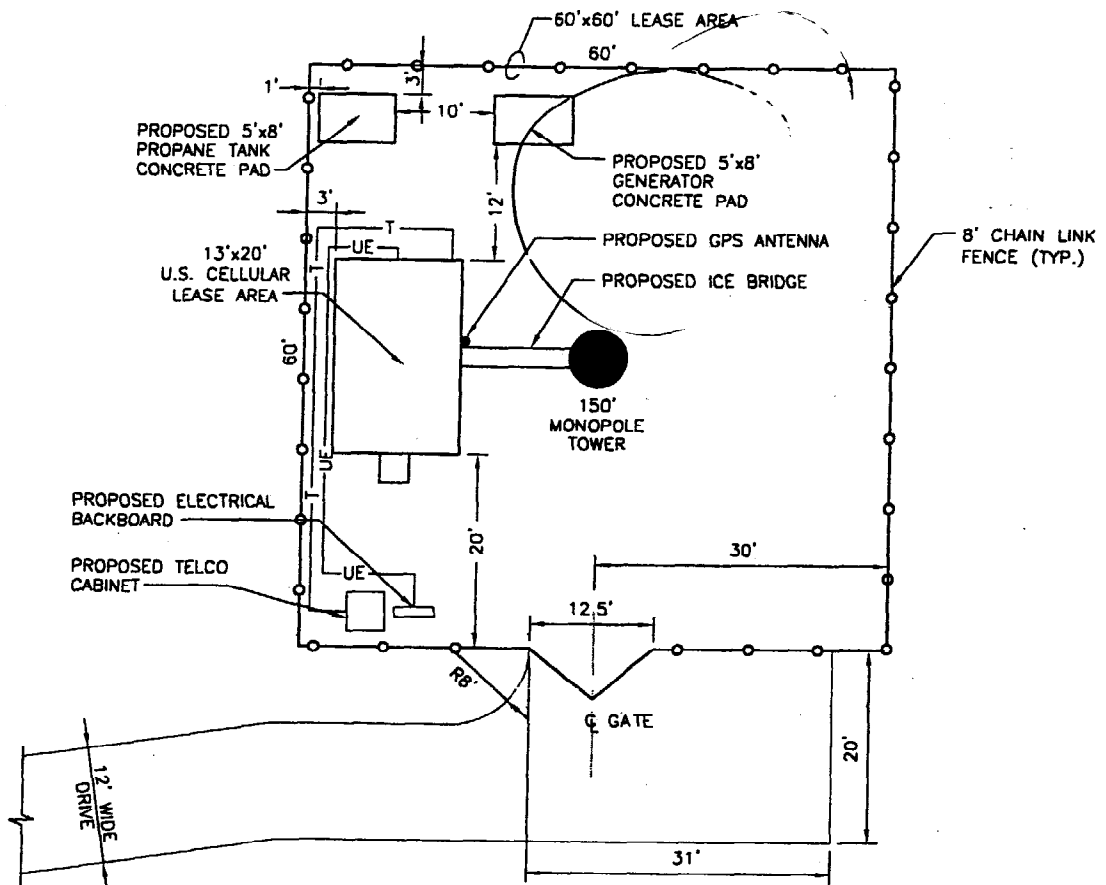
ORIGINAL

OEST Associates, Inc.
342 Durham Road • South Plainfield, NJ 07080
TEL: (207) 781-1770
FAX: (207) 774-1246
OEST PROJ. NO. 390.69.01

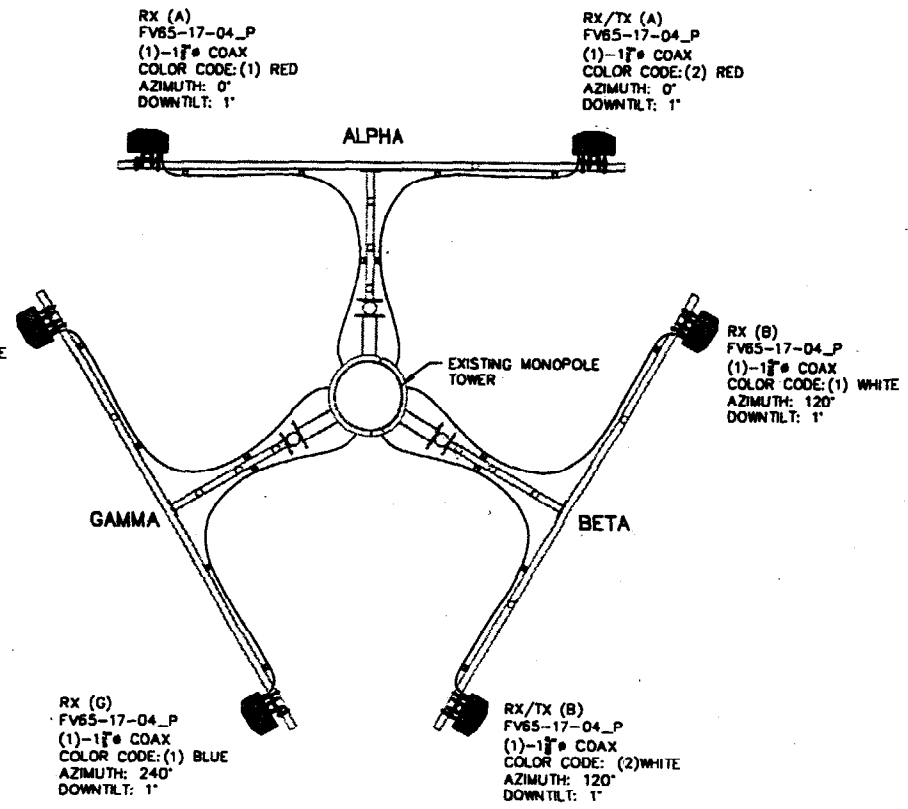
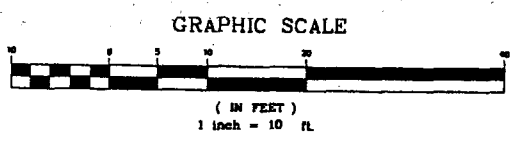
SITE NAME: CANCO ROAD
SITE NUMBER: 853334
ADDRESS: S2 CANCO ROAD
DRAWING TITLE: ANTENNA PLAN & ELEVATION

REVISIONS		
NO.	DESCRIPTION	DATE

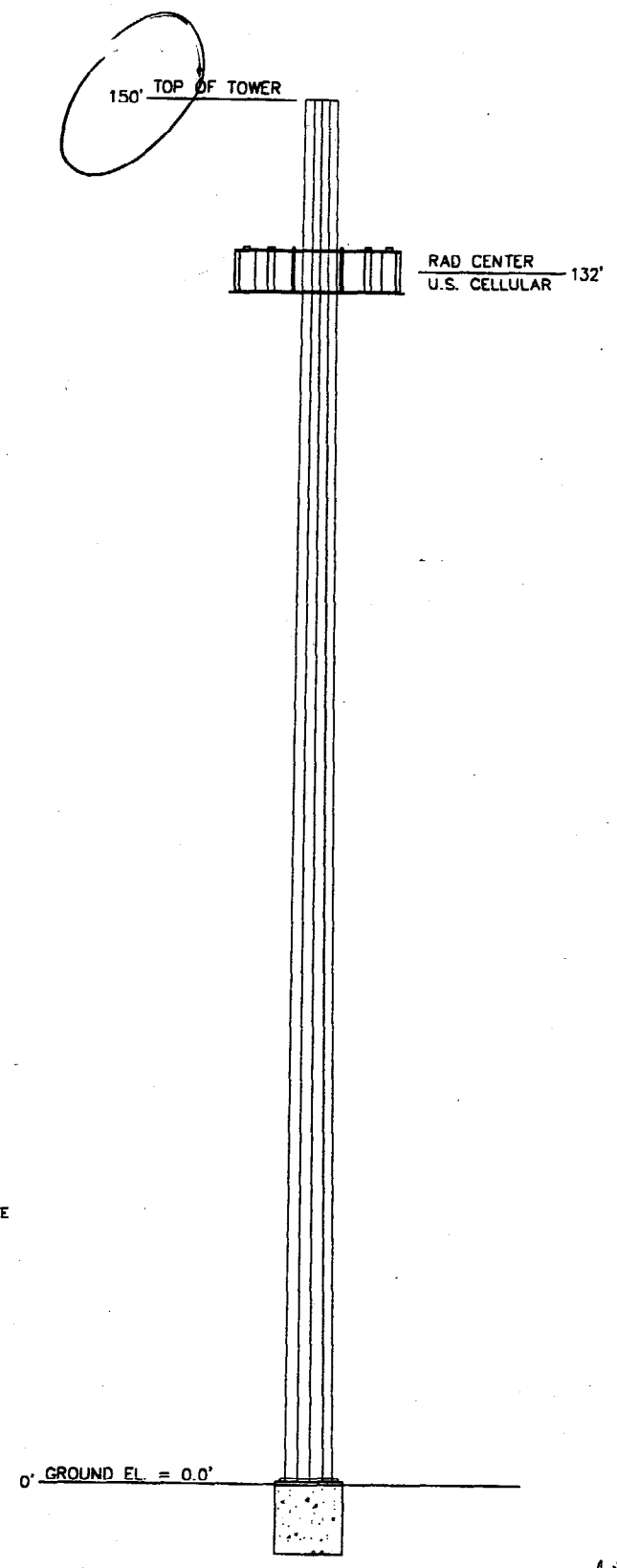
DESIGNED BY: MSD DATE: 12/01/03
DRAWN BY: B-JB SCALE: AS NOTED
CHECKED BY: MSD PROJECT NO.: 390.69.01
DRAWING NO.:



1 COMPOUND LAYOUT
SCALE: 1" = 10'



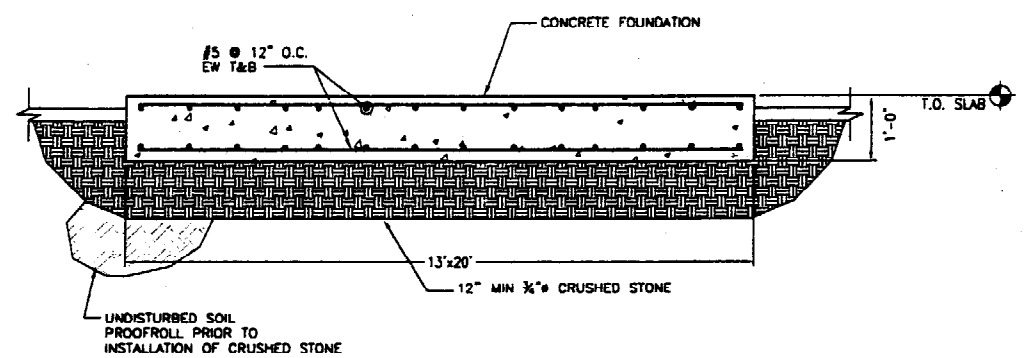
2 ANTENNA LOCATION PLAN
SCALE: N.T.S.



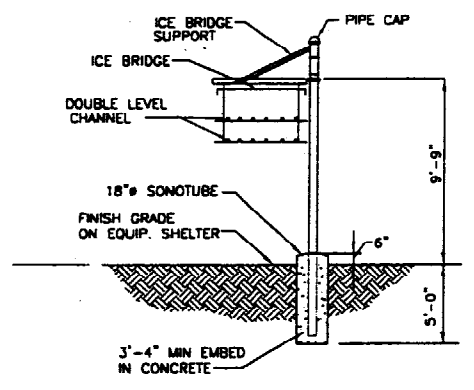
3 EXISTING TOWER ELEVATION
SCALE: N.T.S.

Michael S. Deletsky
MICHAEL S. DELETSKY
No. 5023
PROFESSIONAL ENGINEER

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TYPICAL EQUIPMENT SHELTER FOUNDATION DETAIL
N.T.S.

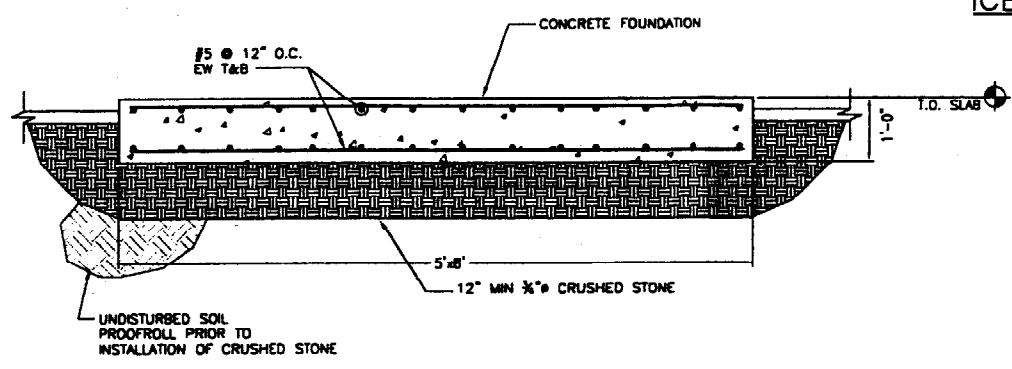
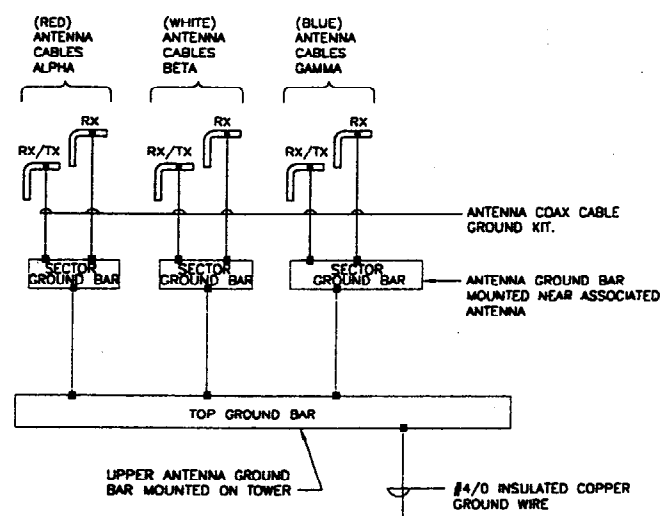


- NOTES:**
1. TYPICAL HANGER KIT SHOWN. CONTRACTOR MAY REPLACE WITH EQUAL AS APPROVED BY CONSTRUCTION MANAGER.
 2. SEE COAXIAL CABLE BRIDGE NOTES SHEET G-1
 3. FOR BURIED LEDGE AT LESS THAN 3'-6", CORE LEDGE WITH 4-1/2"x8" DEEP HOLES & GROUT. #3 REINFORCING STEEL WITH #3 TIES @ 6" O.C.

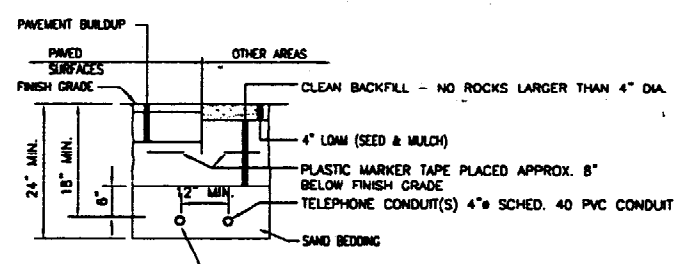
ICE BRIDGE DETAIL
N.T.S.

DESCRIPTION	VALMONT PART #
PIPE (12" EXPOSED)	B273 (Ø10" O.C.)
PIPE CAP	B1612
BRIDGE SUPPORT	B1211
BRIDGE (18")	B02204
COAX HANGAR (SINGLE LEVEL HANGAR)	B02263Ø3" O.C.

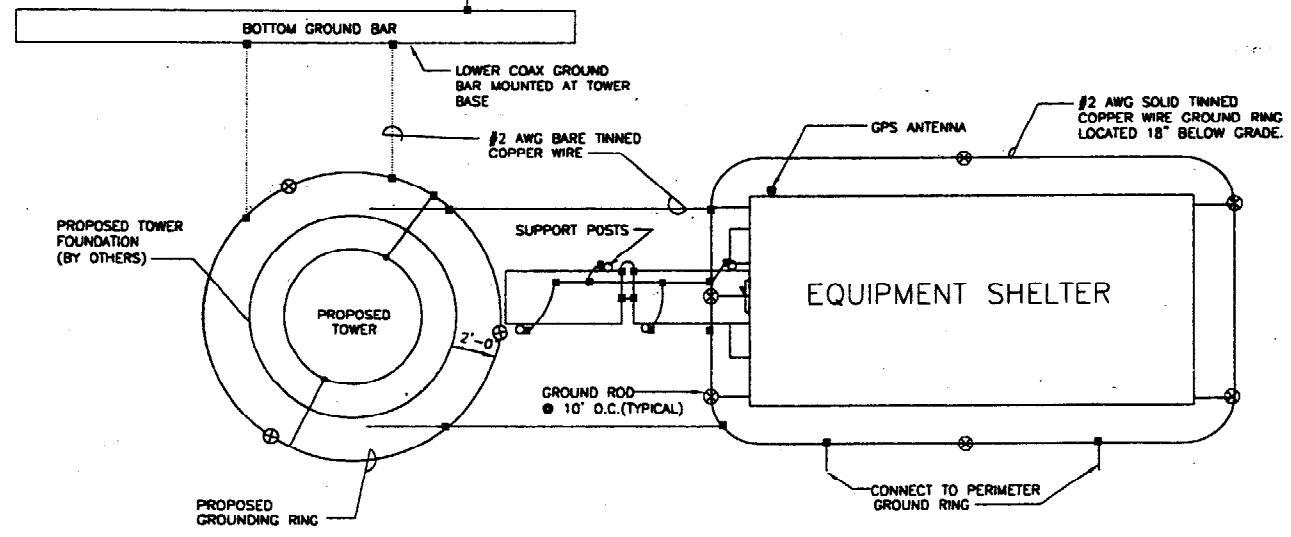
* PROVIDE VALMONT B279X (12"-3/8" POLE WITH BASE R) WHERE BRIDGE IS ON EXISTING CONCRETE SLAB. PROVIDE 2-3/4"x10" LONG HILTI HAS RODS EMBED 6" INTO EXISTING CONCRETE WITH 1-3/4"x6" HVA EPOXY ANCHOR.



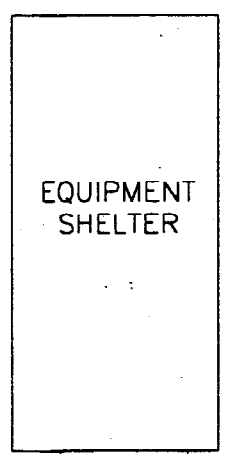
TYPICAL GENERATOR AND PROPANE TANK FOUNDATION DETAIL
N.T.S.



TYPICAL SECTION ELECTRICAL & TELEPHONE SERVICE TRENCH
N.T.S.

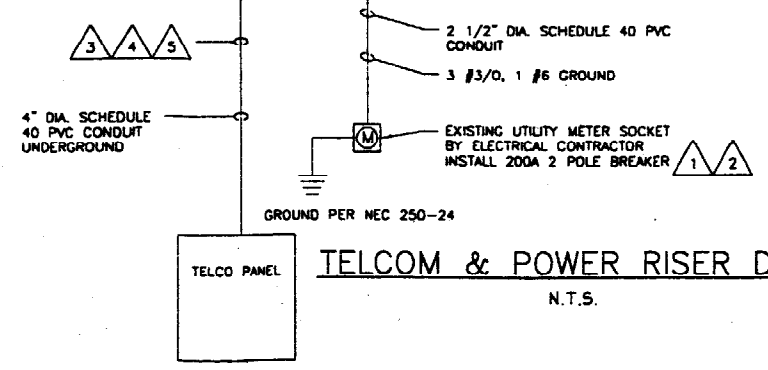


GROUND RISER DIAGRAM
N.T.S.



RISER DIAGRAM SYMBOLS

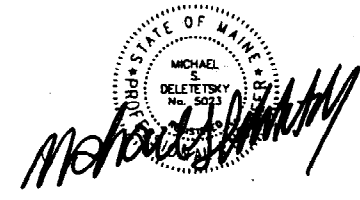
1. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST NATIONAL ELECTRICAL CODE & ALL LOCAL & STATE CODES, LAWS & ORDINANCES.
2. POWER SERVICES REQUIREMENTS SHALL BE COMMERCIAL 120/240 VAC NOMINAL, SINGLE PHASE & 3 WIRE W/200 AMP RATING.
3. ALL TELCO CONDUIT LINES SHALL BE 4" CONDUIT UNLESS 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



TELCOM & POWER RISER DIAGRAM
N.T.S.

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.



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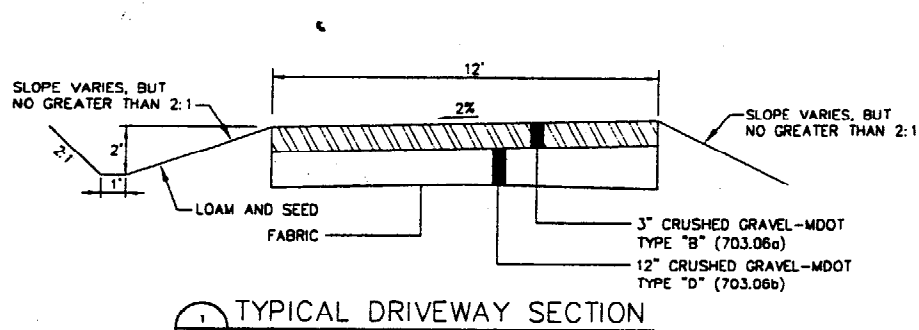
ORIGINAL

CEBT Associates, Inc.
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engineers architects interior designers
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CEST PROJ. NO: 390.69.01

SITE NAME: CANCO ROAD
SITE NUMBER: 853334
ADDRESS: 52 CANCO ROAD
DRAWING TITLE: SECTIONS AND DETAILS

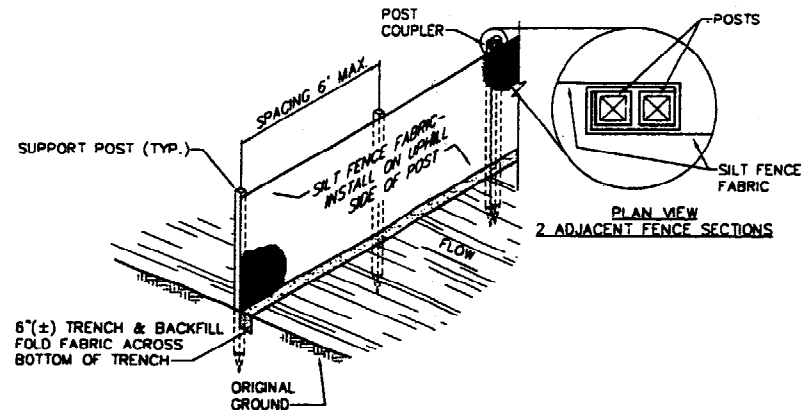
REVISIONS		
NO.	DESCRIPTION	DATE
0	FOR CONSTRUCTION	12/01/03

DESIGNED BY: MSD DATE: 12/01/03
DRAWN BY: SJB SCALE: AS NOTED
CHECKED BY: MSD PROJECT NO: 390.69.01
DRAWING NO:

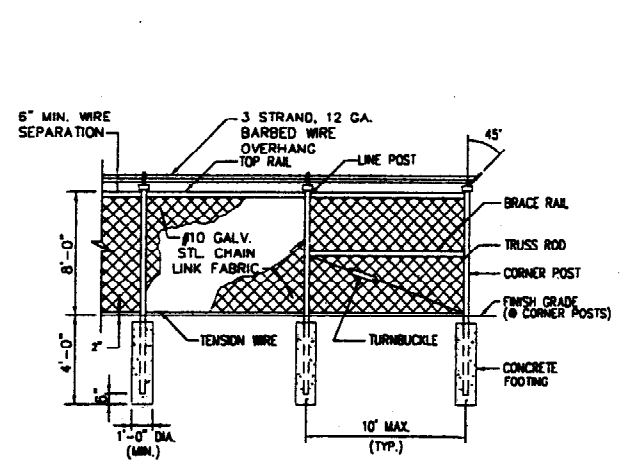


1 TYPICAL DRIVEWAY SECTION
0-2 SCALE: NTS

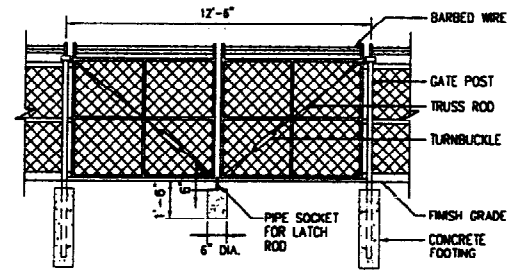
NOTE:
SECT. 425 STATE OF MAINE DEPARTMENT OF
TRANSPORTATION STANDARD SPECIFICATIONS
FOR HIGHWAYS AND BRIDGES



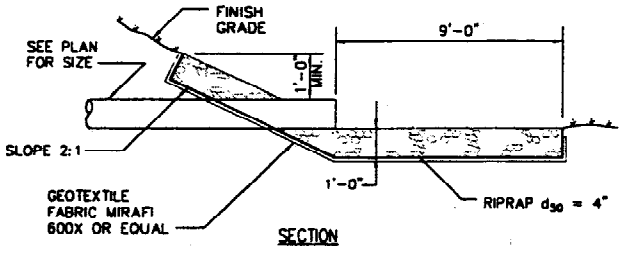
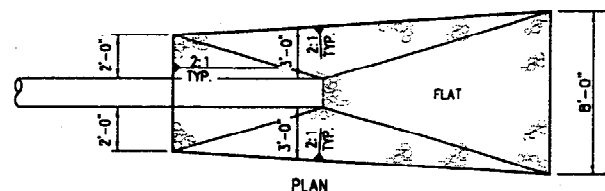
2 SILTATION FENCE
INSTALLATION DETAIL
0-2 SCALE: NTS



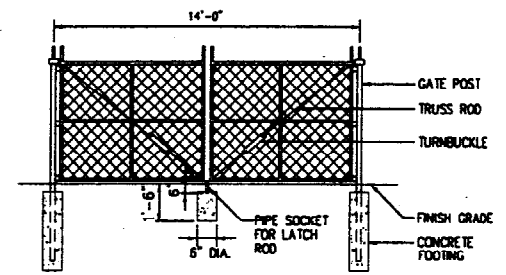
3 CHAIN LINK FENCE
0-2 SCALE: NTS



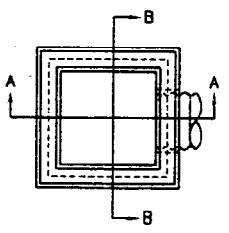
4 CHAIN LINK GATE
0-2 SCALE: NTS



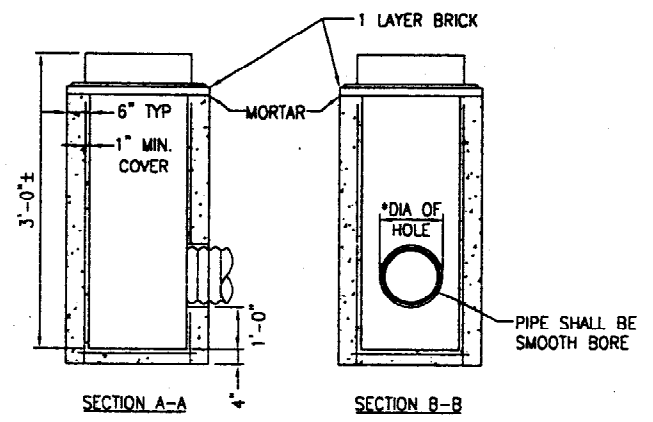
5 TYPICAL CULVERT OUTLET
0-2 SCALE: NTS



6 SECURITY GATE
0-2 SCALE: NTS



NOTE:
ENTIRE CATCH BASIN WITH EXCEPTION
OF LEVELING BRICK FRAME AND GRATE
TO BE PRECAST AS A SINGLE PORTLAND
CEMENT CONCRETE UNIT.



* DIAMETER OF HOLE TO BE 3" LARGER THAN
THE INSIDE DIAMETER OF FLEXIBLE PIPE OR
THE OUTSIDE DIAMETER OF RIGID PIPE.

7 FIELD INLET
0-2 SCALE: NTS

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OEST PROJ. NO: 390.69.01

SITE NAME: CANCO ROAD
DATE REVISION: 08/31/03
ADDRESS: 52 CANCO ROAD
DRAWING TITLE: SECTIONS AND DETAILS

NO.	DESCRIPTION	DATE
0	FOR CONSTRUCTION	12/01/03

STATE OF MAINE
MICHAEL S. DELETERIS
REGISTERED PROFESSIONAL ENGINEER
No. 10000
Exp. 12/31/06

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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 DEST 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 DIAGRAMMATICALLY. 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.

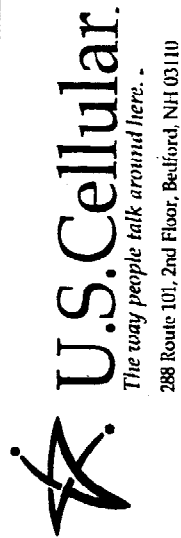
SEEDING AND REVEGETATION PLAN

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 SEEDDED AT THE RATE OF 100 LBS/ACRE OF MDOT 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.
- MAY 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.



ORIGINAL

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SITE NAME: CANCO ROAD
SITE NUMBER: 853334
ADDRESS: 52 CANCO ROAD
DRAWING TITLE: GENERAL NOTES

REVISIONS		
NO.	DESCRIPTION	DATE

DESIGNED BY: MSD DATE: 12/01/03
DRAWN BY: BJB SCALE: AS NOTED
CHECKED BY: MSD PROJECT NO: 390.69.01
DRAWING NO:



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