

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 03-1420	Issue Date: NOV 17 2003	CBL: 238 A008001
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Location of Construction: Blueberry Rd	Owner Name: Regional Waste Systems	Owner Address: 64 Blueberry Rd	Phone:
Business Name: NA	Contractor Name: Ed Shaw	Contractor Address: Portland	Phone:
Lessee/Buyer's Name	Phone: NA	Permit Type: Building Miscellaneous	Zone: 1M

Past Use: Smoke Stack	Proposed Use: Place (6) antennas on existing smokestack and install up to (4) cabinets (equipment) at the base of smokestack coax to antennas	Permit Fee: \$318.00	Cost of Work: \$33,000.00	CEO District: 3
		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: U Type: NA ANTENNA 11/24/03 Signature: <i>[Signature]</i>	

Proposed Project Description: Place (6) antennas on existing smokestack and install up to (4) cabinets (equipment) at the base of smokestack coax to antennas	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)		
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied		
Signature:	Date:	

Permit Taken By: Idobson	Date Applied For: 11/14/2003	Zoning Approval
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1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. 2. Building permits do not include plumbing, septic or electrical work. 3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input checked="" type="checkbox"/> Site Plan <i>Approved Exemption Attached</i> Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: <i>11/20/03</i>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date:	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: <i>9</i>
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CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT _____ ADDRESS _____ DATE _____ PHONE _____

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE _____ DATE _____ PHONE _____

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK
CITY OF PORTLAND

PERMIT ISSUED

NOV 25 2003

Permit Number: 031420

CITY OF PORTLAND

Please Read Application And Notes, If Any, Attached

BUILDING INSPECTION

PERMIT

This is to certify that Regional Waste Systems/Ed now
has permission to Place (6) antennas on existing smokestack and install up to (4) cabinets (equipment) at the base of smokestack co
AT Blueberry Rd 238 A008001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and written permission procured before this building or part thereof is closed-in. **48 HOUR NOTICE IS REQUIRED.**

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. _____
Health Dept. _____
Appeal Board _____
Other _____
Department Name

[Signature]
Director - Building & Inspection Services 11/24/03

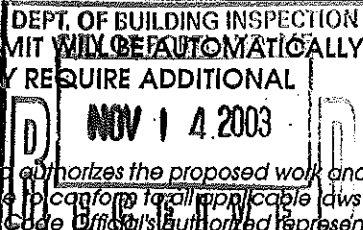
PENALTY FOR REMOVING THIS CARD

All Purpose Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>64 Blueberry Road</u>		
Total Square Footage of Proposed Structure		Square Footage of Lot
Tax Assessor's Chart, Block & Lot Chart# <u>238</u> Block# <u>A</u> Lot# <u>008</u>	Owner: <u>Regional Waste Systems</u> <u>64 Blueberry Road</u> <u>Portland Me</u>	Telephone: <u>773 6465</u>
Lessee/Buyer's Name (if Applicable) <u>Same as Applicant</u>	Applicant name, address & telephone: <u>United States Cellular</u> <u>482 Congress Street</u> <u>Suite 502</u>	Cost Of Work: \$ <u>33,000</u> Fee: \$ <u>318.00</u>
Current use: <u>Smokestack</u> <u>Portland Me 04101</u> If the location is currently vacant, what was prior use: <u>Commercial</u> <u>Recycle plant</u>		
Approximately how long has it been vacant: <u>2 1/2 years</u>		
Proposed use: <u>Place (6) antennas on existing smokestack and install</u> Project description: <u>up to (4) cabinets at the base of smokestack & coax to equipment antennas</u>		
Contractor's name, address & telephone:		
Who should we contact when the permit is ready: <u>Ed Shaw 329-1246</u>		
Mailing address: <u>482 Congress Street</u> <u>Suite 502</u> <u>Portland ME 04101</u>		
We will contact you by phone when the permit is ready. You must come in and pick up the permit and review the requirements before starting any work, with a Plan Reviewer. A stop work order will be issued and a \$100.00 fee if any work starts before the permit is picked up. PHONE: <u>329-1246</u>		

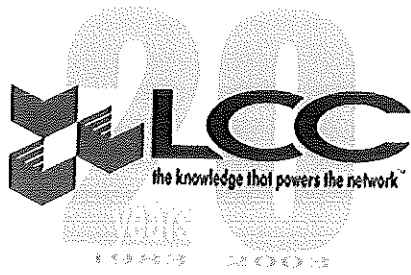
IF THE REQUIRED INFORMATION IS NOT INCLUDED IN THE SUBMISSIONS THE PERMIT WILL BE AUTOMATICALLY DENIED AT THE DISCRETION OF THE BUILDING/PLANNING DEPARTMENT, WE MAY REQUIRE ADDITIONAL INFORMATION IN ORDER TO APPROVE THIS PERMIT.



I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: Edward A. Shaw Date: 11/14/03

This is NOT a permit, you may not commence ANY work until the permit is issued.
If you are in a Historic District you may be subject to additional permitting and fees with the Planning Department on the 4th floor of City Hall



LCC International
482 Congress Street
Suite 502
Portland, ME 04101
(207) 771-9992 (Office)
(207) 771-9993 (Fax)

November 14, 2003

Building Department
389 Congress Street
Portland, Me 04101

To Whom It May Concern:

United States Cellular Corporation (USCC) received a License authorizing them to provide service in Cumberland County. USCC has since hired LCC International to accomplish that objective. LCC is currently locating, leasing, and receiving zoning approvals and acquiring building permits for several approved locations in Portland.

Regional Waste Systems has been chosen as one of the approved locations. USCC is proposing to place (6) six cellular antennas at the 180' mark on the existing 208' smokestack located at 64 Blueberry Road in Portland, Maine. The Antennas and Base Station Equipment will be located as shown on the attached drawing.

USCC has already received an Exemption from Site Plan Review and would now like to receive a building permit to do the work as proposed.

We would appreciate consideration at the earliest possible date. In addition, I would appreciate it if you, or someone on your staff, would contact me if any additional material or information is required at this stage of the process.

Thank you for your consideration of this application.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Edward A. Shaw', written in a cursive style.

Edward A. Shaw
LCC International Inc.
482 Congress Street
Suite 502
Portland, ME 04101



LCC International, Inc.
482 Congress Street
Portland, ME 04101
(207) 771-9992 (Office)
(207) 771-9993 (Fax)

September 16, 2003

Kevin Trytec
General Manager
Regional Waste Systems
64 Blueberry Road
Portland, Maine 04102

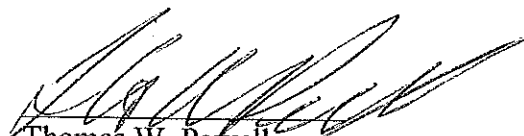
Re: Site # 853327.1 (Blueberry Lane)


Dear Kevin Trytec,

LCC has been contracted by US Cellular to design, develop and deploy their new PCS network in York, Cumberland and Sagadahoc Counties. As part of LCC's scope of work, we negotiate leases on behalf of our client, to secure space to construct repeater sites. When we reach a point in lease negotiations where both parties (land owner and US Cellular) are in agreement on lease terms and language, we initiate the building permit process to determine if and when the lease will commence.

At this time we are in good faith negotiations with you and feel we will consummate our deal on your property in a relatively short period. We would like to request your permission to apply for all regulatory approvals required (including, but not limited to; zoning permit, building permit, FAA and FCC filings) to build our repeater site on your property. By granting your approval, you are not contractually binding yourself to any lease contract that has not been fully executed to date. Please signify your consent to grant LCC permission to file for necessary permits for constructing a repeater site on your property by signing below.

Thank You,


Thomas W. Powell
Program Manager
LCCI, Inc.

 Chief Engineer
Kevin Trytec
General Manager
Regional Waste Systems

OEST Associates, Inc.

• engineers
• architects
• surveyors
• construction
managers

343 Gorham Road • South Portland, ME 04106-2317 • TEL (207) 761-1770 • FAX (207) 774-1246
390.51.01 E-mail: mail@oest.com • Web Site: www.oest.com

November 7, 2003

Kevin Bytner, Construction Manager
LCC International, Inc.
482 Congress St.
Portland, ME 04101

SUBJECT: Regional Waste Systems Stack Structural Assessment
LCC Site # 853327.1

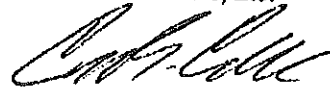
Dear Kevin:

On Tuesday October 7, 2003 OEST Associates conducted a site visit of a stack located at 64 Blueberry Road in Portland Maine. The stack structure consists of an approximately 218-foot tall inner stack, and an approximately 210-foot tall concrete outer stack. There is currently one set of antennas on top of the outer stack. It is our understanding that LCC proposes to install a new array of six BMS Wireless FV65-17-04_P antennas at an elevation of 185-feet.

Regional Waste Systems provided OEST with structural drawings of the outer stack. These drawings indicated that the outer stack consists of 1.5-foot thick reinforced concrete walls. Provided that the cable tray and antennas are connected to the side of the stack in accordance with the drawings issued by OEST, the stack can adequately support the new loads.

If you have any questions or comments, please don't hesitate to call us.

Sincerely,
OEST Associates, Inc.



Calen B. Colby, P.E.

cc: Jeffrey Walker, OEST Associates, Inc.

CBC:lam
M:\390 LCC, International\2bytn110703.doc



11-7-03

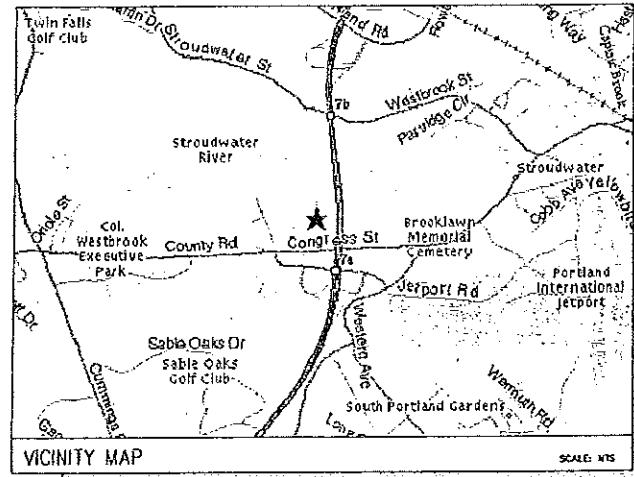


U.S. Cellular

The way people talk around here.™

SITE NAME: BLUEBERRY ROAD
 SITE NO. 853327
 LATITUDE: 43° 39' 20.48"
 LONGITUDE: 70° 20' 02.48"

SITE NUMBER:	853327
SITE NAME:	BLUEBERRY ROAD
TOWER TYPE:	208' SMOKESTACK (EXISTING)
SITE ADDRESS:	64 BLUEBERRY ROAD PORTLAND, ME 04102
PROPERTY OWNER:	REGIONAL WASTE SYSTEMS 64 BLUEBERRY ROAD PORTLAND, ME 04102
MAP & LOT:	238/A-B
APPLICANT:	U.S. CELLULAR c/o LCC 482 CONGRESS STREET, SUITE 502 PORTLAND, MAINE 04101
PROJECT SUMMARY	



DIRECTIONS
 FROM PORTLAND INTERNATIONAL JETPORT: FROM AIRPORT TAKE THE ACCESS ROAD AROUND THE PARKING GARAGE UNTIL YOU COME TO A STOP SIGN. TAKE A RIGHT AND PROCEED (.8 MILES) OUT TO ROUTE 22 (OUTER CONGRESS STREET). TAKE A LEFT ONTO ROUTE 22 AND BEAR RIGHT (.1 MILES) AT THE INTERSECTION. CONTINUE ON ROUTE 22 (.5 MILES) AND TAKE A RIGHT ONTO BLUEBERRY ROAD. ABOUT .2 MILES DOWN TAKE A LEFT AND BEAR RIGHT INTO THE PLANT AREA. THE SMOKESTACK IS AROUND BACK.

SHEET NO.	DESCRIPTION	DATE	REV. NO.
T-1	TITLE SHEET	10/08/03	0
C-1	PLOT PLAN	10/08/03	0
C-2	SITE PLAN	10/08/03	0
C-3	ANTENNA PLAN & ELEVATION	10/08/03	0
D-1	SECTIONS AND DETAILS	10/08/03	0
S-1	STRUCTURAL DETAILS	10/08/03	0
G-1	GENERAL NOTES	10/08/03	0

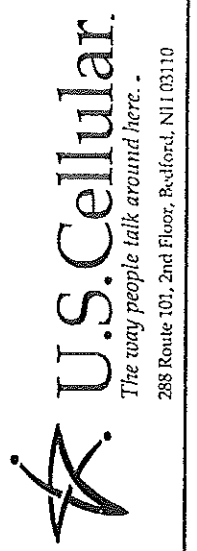
SHEET INDEX

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

PLUMBING REQUIREMENTS:
 FACILITY HAS NO PLUMBING.

13NOV03

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



LF. _____
 SWZN _____
 CONST. _____
 USCC _____
 P.M. _____

OEST Associates, Inc.
 343 Durham Road - South Portland, ME 04106
 TEL: (207) 761-1770
 FAX: (207) 774-1246
 OEST PROJ. NO.: 390.51.01

SITE NAME: BLUEBERRY ROAD
 SITE NUMBER: 853327
 ADDRESS: 64 BLUEBERRY ROAD
 DRAWING TITLE: TITLE SHEET

REVISIONS		
NO.	DESCRIPTION	DATE
0	FOR CONSTRUCTION	09/23
DESIGNED BY:	MSD	DATE: 10/08/03
DRAWN BY:	BJB	SCALE: AS NOTED
CHECKED BY:	MSD	PROJECT NO.: 390.51.01
DRAWING NO.:		

T-1



APPLICATION FOR EXEMPTION FROM SITE PLAN REVIEW

Applicant U.S. Cellular

Application Date 9/15/03

482 Congress Street Suite 502
Applicant's Mailing Address

Blueberry Road
Project Name/Description

Ed Shaw/LCC / 77A-9992
Consultant/Agent/Phone Number

64 Blueberry Lane
Address of Proposed Site

CBL: 238-A-8

Description of Proposed Development:

Place Exterior Cabinets on the ground near the base of the smokestack (See Sketch). Structural Analysis is in progress by Oest. We are placing (6) antennas on the Smokestack.

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

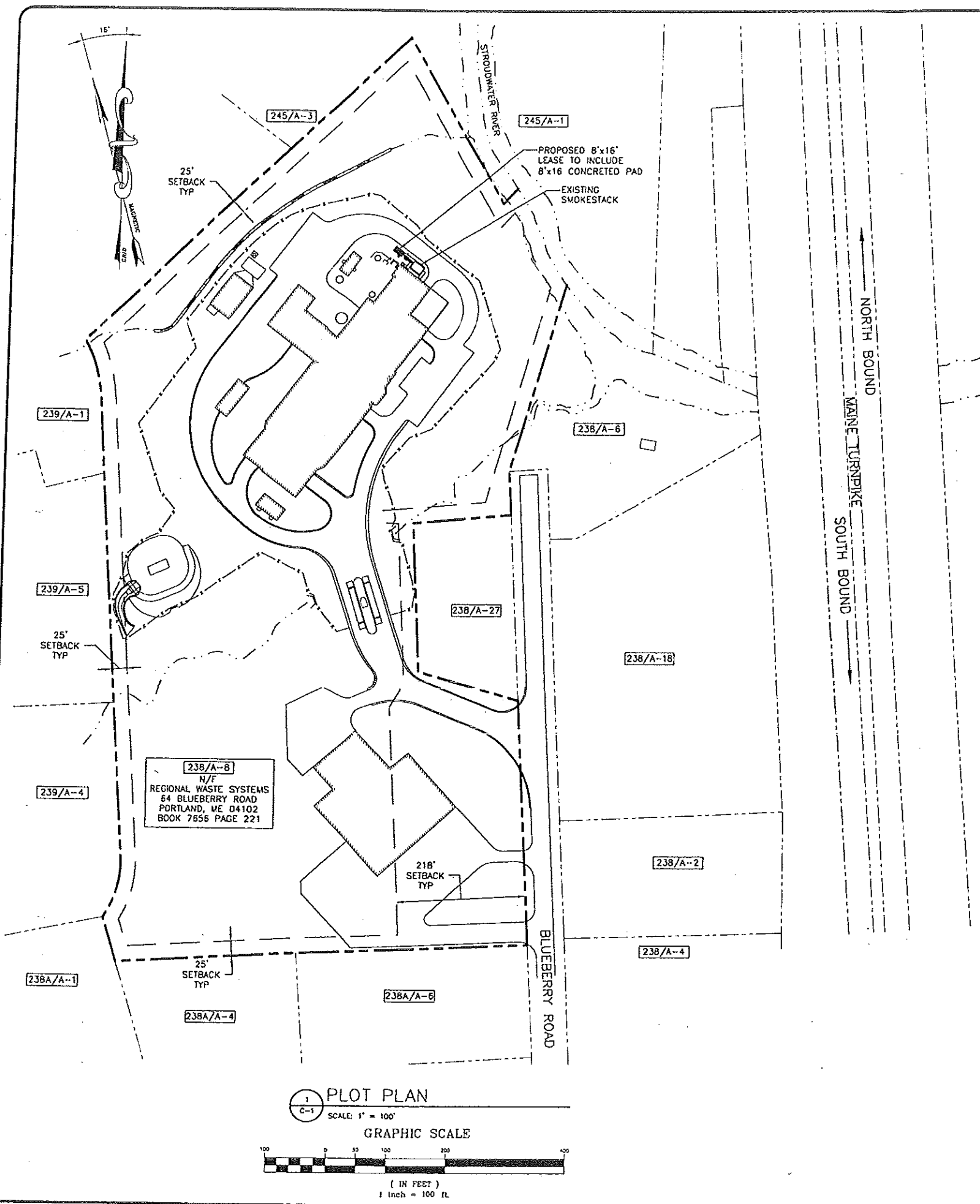
Exemption Granted Partial Exemption _____ Exemption Denied _____

Planner's Signature Sarah Thym Date 10/1/03

White - Planning Office

Pink - Inspections

Yellow - Applicant

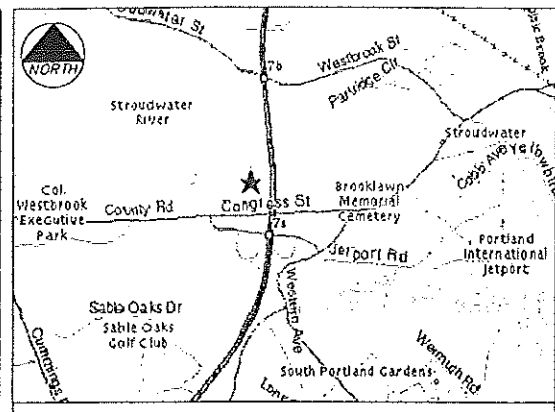


LIST OF ABUTTERS		
CITY OF PORTLAND		
MAP/LOT	RECORD OWNER	ADDRESS
238/A-2	BLUEBERRY ROAD LLC	43 HARDY RD FALMOUTH, ME 04105
238/A-4	UNUM CORP	2211 CONGRESS ST PORTLAND, ME 04102
238/A-6	CITY OF PORTLAND	389 CONGRESS ST PORTLAND, ME 04101
238/A-18	STURBRIDGE YANKEE WORKSHOP INC	90 BLUEBERRY RD PORTLAND, ME 04102
238A/A-1	CADCAM ASSOCIATES	41 HUTCHINS DR PORTLAND, ME 04102
238A/A-4	2301 CONGRESS REALTY LLC	2301 CONGRESS ST PORTLAND, ME 04102
238A/A-6	THEODORE LOGAN & SON INC	971 CONGRESS ST PORTLAND, ME 04104
239/A-1-245/A-3	SPRING HARBOR HOSPITAL	175 RUNNING HILL RD SOUTH PORTLAND, ME 04106
239/A-4	SUNVIEW ASSOCIATES LIMITED PARTNERSHIP	ONE CITY CENTER PORTLAND, ME 04101
239/A-5	ARROW REALTY	34 DIAMOND ST PORTLAND, ME 04101
245/A-1	SMON A. SNYDER & JASON A JTS	528 STROUDWATER ST WESTBROOK, ME 04092

ZONING INFORMATION	
ZONING DISTRICT:	INDUSTRIAL MODERATE IMPACT (M)
MINIMUM STREET FRONTAGE:	60 FEET
FRONT YARD SETBACK:	1 FOOT FOR EVERY FOOT OF BUILDING HEIGHT
SIDE YARD SETBACK:	25 FEET
REAR YARD SETBACK:	25 FEET
MAXIMUM LOT SIZE:	N/A

PLAN REFERENCE

1. PLAN ENTITLED "GENERAL ARRANGEMENT GROUND FLOOR PLAN" DATED MAY 2, 1986



- GENERAL NOTES**
- DATES OF FIELD SURVEY: OCTOBER, 2003
 - SITE NAME: BLUEBERRY ROAD
 - SITE NUMBER: 853327
 - SITE ADDRESS: 64 BLUEBERRY ROAD PORTLAND, ME 04102 CUMBERLAND COUNTY
 - OWNER: REGIONAL WASTE SYSTEMS 64 BLUEBERRY ROAD PORTLAND, ME 04102 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 238 LOT A-B DEED BOOK/PAGE: 7656/221
 - 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° 39' 20.48" N (NAD 83) LONGITUDE: 70° 20' 02.48" W (NAD 83) GROUND EL. = 40.0'±
 - 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 12 OF 17, COMMUNITY PANEL NUMBER 230051-0012B EFFECTIVE DATE JULY 17, 1986. ZONE C IS AN AREA OF MINIMAL FLOODING.

FAA CERTIFICATION - 1A

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

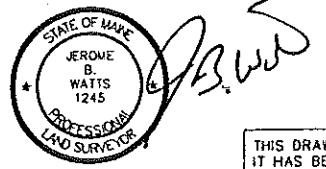
+/- THREE (3) FEET VERTICALLY
+/- FIFTEEN (15) FEET HORIZONTALLY

JEROME B. WATTS
LICENSED LAND SURVEYOR #1245

11/13/2003
DATE

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

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.

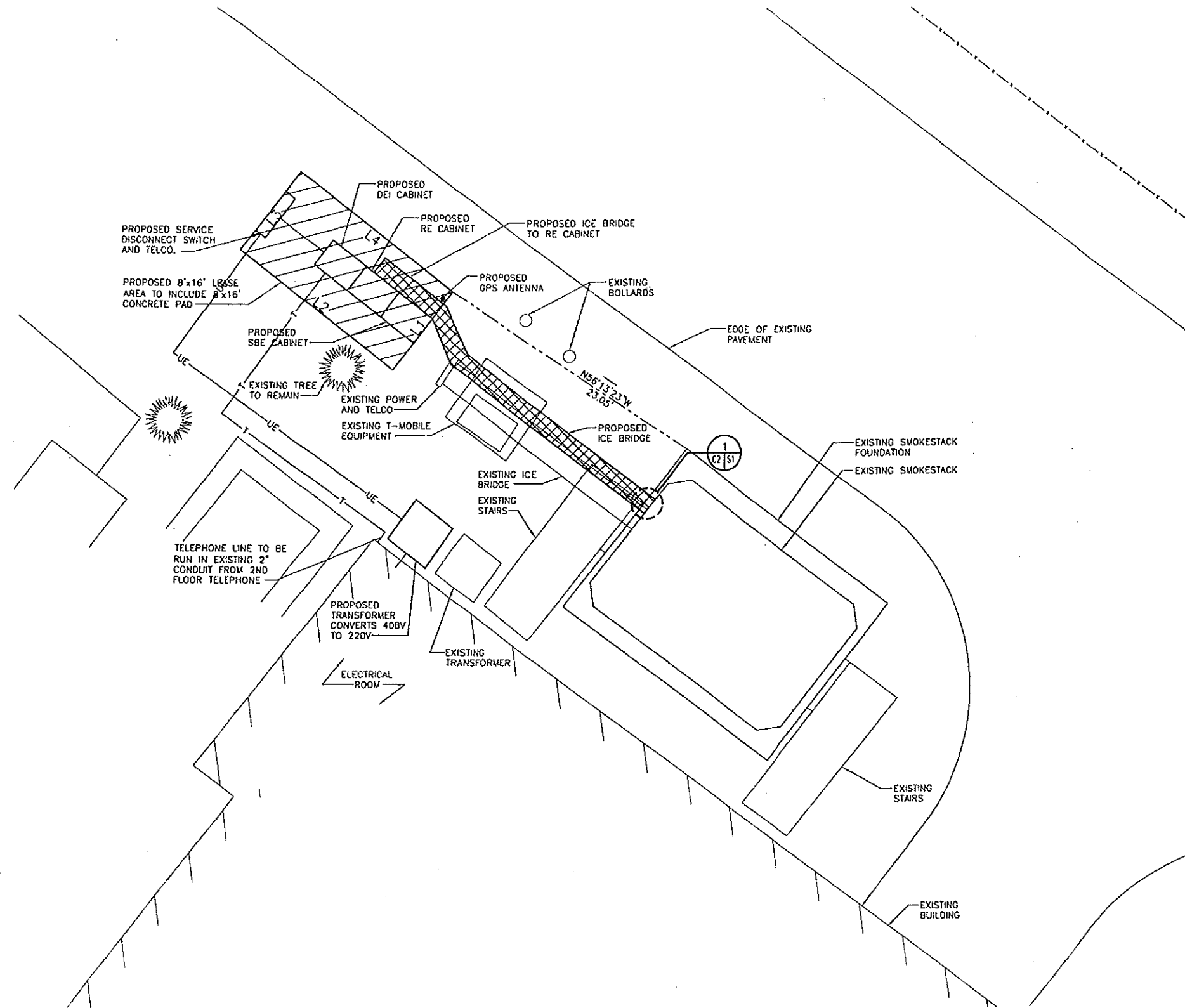
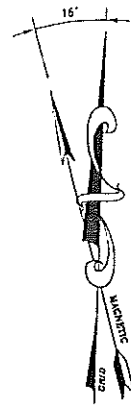
U.S. Cellular
The way people talk around here.
288 Route 101, 2nd Floor, Bedford, NH 03110

OEST Associates, Inc.
345 Cornish Road - South Portland, ME 04106
engineers architects surveyors
TEL: (207) 761-1770
FAX: (207) 774-1246
OEST PROJ. NO: 390.51.01

REVISIONS		
NO.	DESCRIPTION	DATE

0 FOR CONSTRUCTION (VAR)

DESIGNED BY: MSD DATE: 10/08/03
DRAWN BY: BJB SCALE: AS NOTED
CHECKED BY: MSD PROJECT NO: 390.51.01
DRAWING NO: C-1



LEGEND	
---	PROPERTY LINE
- - - -	ABUTTING PROPERTY LINE
○	IRON PIN FOUND (AS NOTED)
○	UTILITY POLE
- - - -	EXISTING CONTOUR
-----	STONE WALL
~~~~~	EXISTING TREE LINE

**DESCRIPTION OF LEASE AREA**

LEGAL DESCRIPTION - LEASE PARCEL

A CERTAIN PARCEL OF LAND LOCATED NORTHWESTERLY OF BLUEBERRY ROAD, IN THE CITY OF PORTLAND, CUMBERLAND COUNTY, MAINE, AND LYING WITHIN LAND OF THE GRANTOR(S), AS DESCRIBED IN BOOK 7656, PAGE 221, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT MARKING THE EASTERLY CORNER OF THE FOLLOWING DESCRIBED LEASE, LOCATED N56°13'23"W, 23.05 FEET FROM THE MOST NORTHERLY CORNER THE SMOKESTACK FOUNDATION;

THENCE, S37°26'05"W, 8.00 FEET TO A CORNER OF A CONCRETE PAD;

THENCE, N52°33'55"W, 16.00 FEET TO A CORNER OF A CONCRETE PAD;

THENCE, N37°26'05"E, 8.00 FEET TO A CORNER OF A CONCRETE PAD;

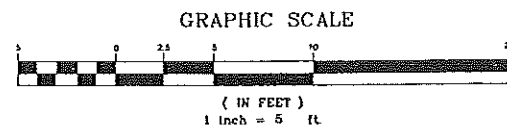
THENCE, S52°33'55"E, 16.00 FEET TO THE POINT OF BEGINNING.

THE ABOVE DESCRIBED PARCEL CONTAINS 128± SQUARE FEET.

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

LEASE AREA TABLE		
LINE	BEARING	DISTANCE
L1	S37°26'05"W	8.0'
L2	N52°33'55"W	16.0'
L3	N37°26'05"E	8.0'
L4	S52°33'55"E	16.0'

**SITE PLAN**  
SCALE: 1" = 5'

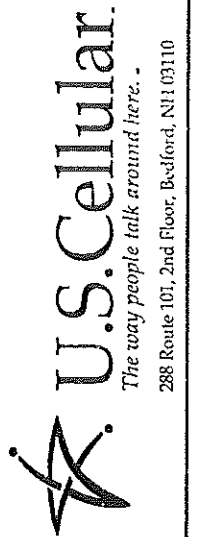


*Handwritten signatures and stamps:*

Professional Engineer Seal: MICHAEL S. DELETETSA, No. 5073, STATE OF MAINE, PROFESSIONAL ENGINEER, CIVIL ENGINEERING.

Handwritten initials: J.B. W... and M...

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



**OEST Associates, Inc.**  
343 Cotton Road - South Portland, ME 04106  
engineers architects interior designers

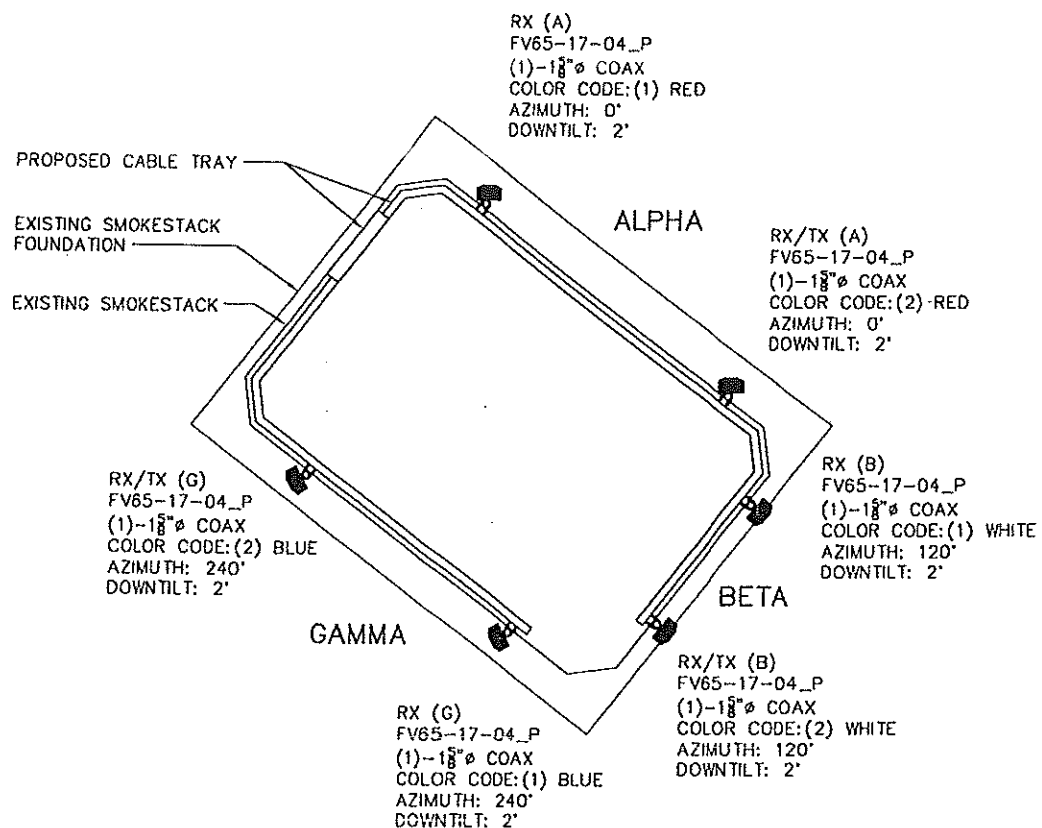
TEL: (207) 761-1770  
FAX: (207) 774-1246

OEST PROJ. NO: 390.51.01

SITE NAME: BLUEBERRY ROAD  
SITE NUMBER: 853327  
ADDRESS: 64 BLUEBERRY ROAD  
DRAWING TITLE: SITE PLAN

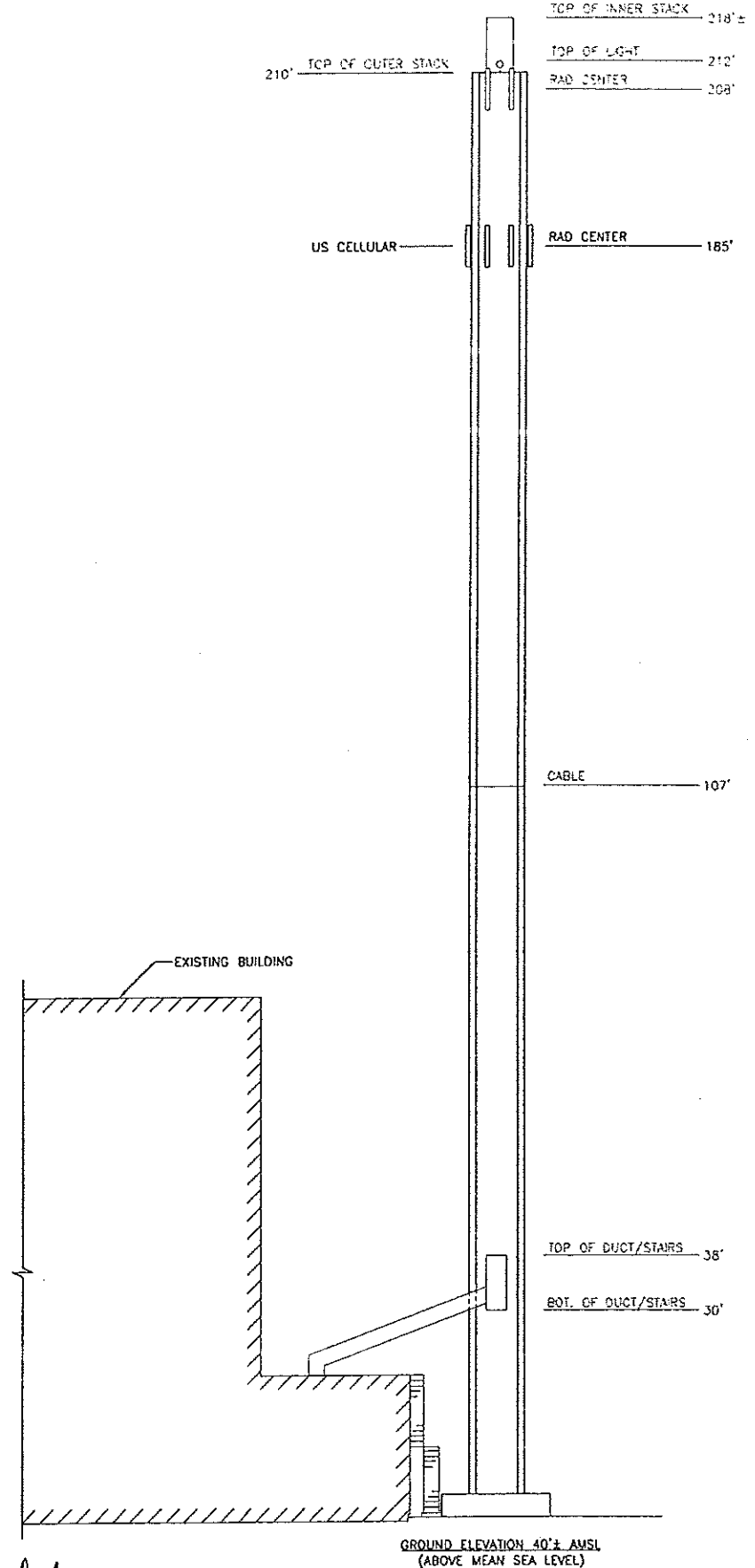
REVISIONS		
NO.	DESCRIPTION	DATE
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DESIGNED BY: MSD	DATE: 10/08/03
DRAWN BY: BJB	SCALE: AS NOTED
CHECKED BY: MSD	PROJECT NO: 390.51.01
COPY NO:	



1 ANTENNA LOCATION PLAN  
 C-2 SCALE: N.T.S.

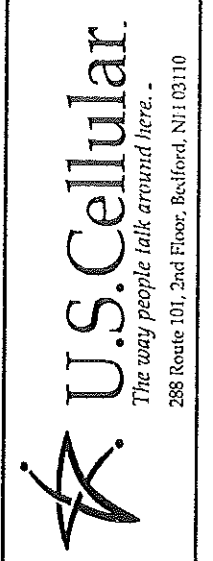
ANTENNA SCHEDULE							
SECTOR	ANTENNA TYPE	AZIMUTH	DOWNTILT	CABLE LENGTH	RX/TX	COAX	COLOR CODE
ALPHA	FV65-17-04_P	0°	2'	230'	RX (A)	1-5/8"	(1) RED
					RX/TX (A)	1-5/8"	(2) RED
BETA	FV65-17-04_P	120°	2'	240'	RX (B)	1-5/8"	(1) WHITE
					RX/TX (B)	1-5/8"	(2) WHITE
GAMMA	FV65-17-04_P	240°	2'	230'	RX (G)	1-5/8"	(1) BLUE
					RX/TX (G)	1-5/8"	(2) BLUE



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

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STATE OF MAINE  
 MICHAEL S. DELETEYSKY  
 No. 5023  
 REGISTERED PROFESSIONAL ENGINEER  
*Michael Delety*

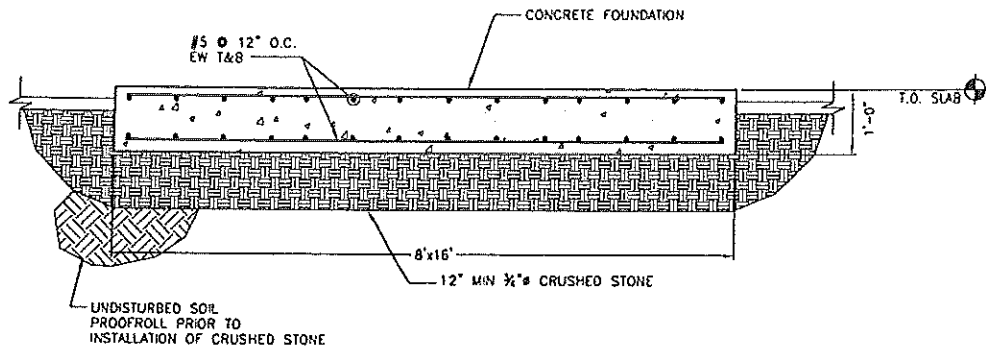


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 WEST PROJ. NO: 390.51.01

BLUEBERRY ROAD  
 85.5327  
 64 BLUEBERRY ROAD  
 ANTENNA PLAN & ELEVATION

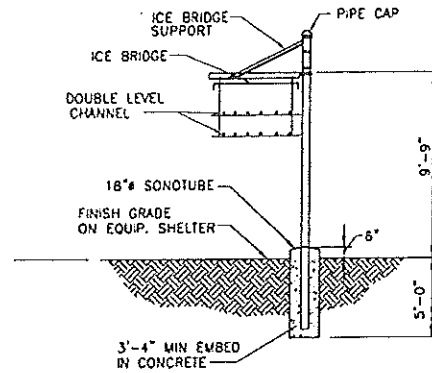
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NO.	DATE

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TYPICAL EQUIPMENT SHELTER FOUNDATION DETAIL

N.T.S.



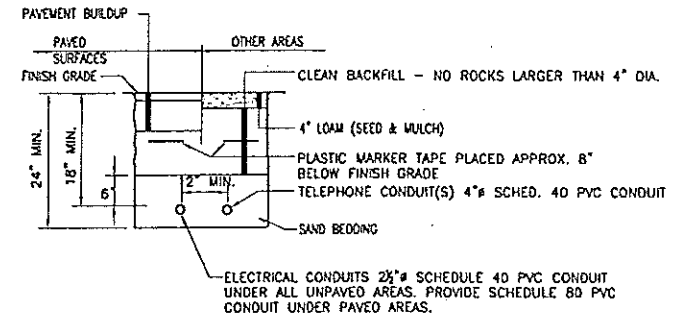
DESCRIPTION	VALMONT PART #
PIPE (12" EXPOSED)	B273 (Ø10" O.C.)
PIPE CAP	B1612
BRIDGE SUPPORT	B1211
BRIDGE (18")	B02204
COAX HANGAR (SINGLE LEVEL HANGAR)	B02263 Ø3" O.C.

* PROVIDE VALMONT B279X (12-3/8" POLE WITH BASE E) 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 4-3/8"x8" DEEP HOLES & GROUT. #3 REINFORCING STEEL WITH #3 TIES Ø 6" O.C.

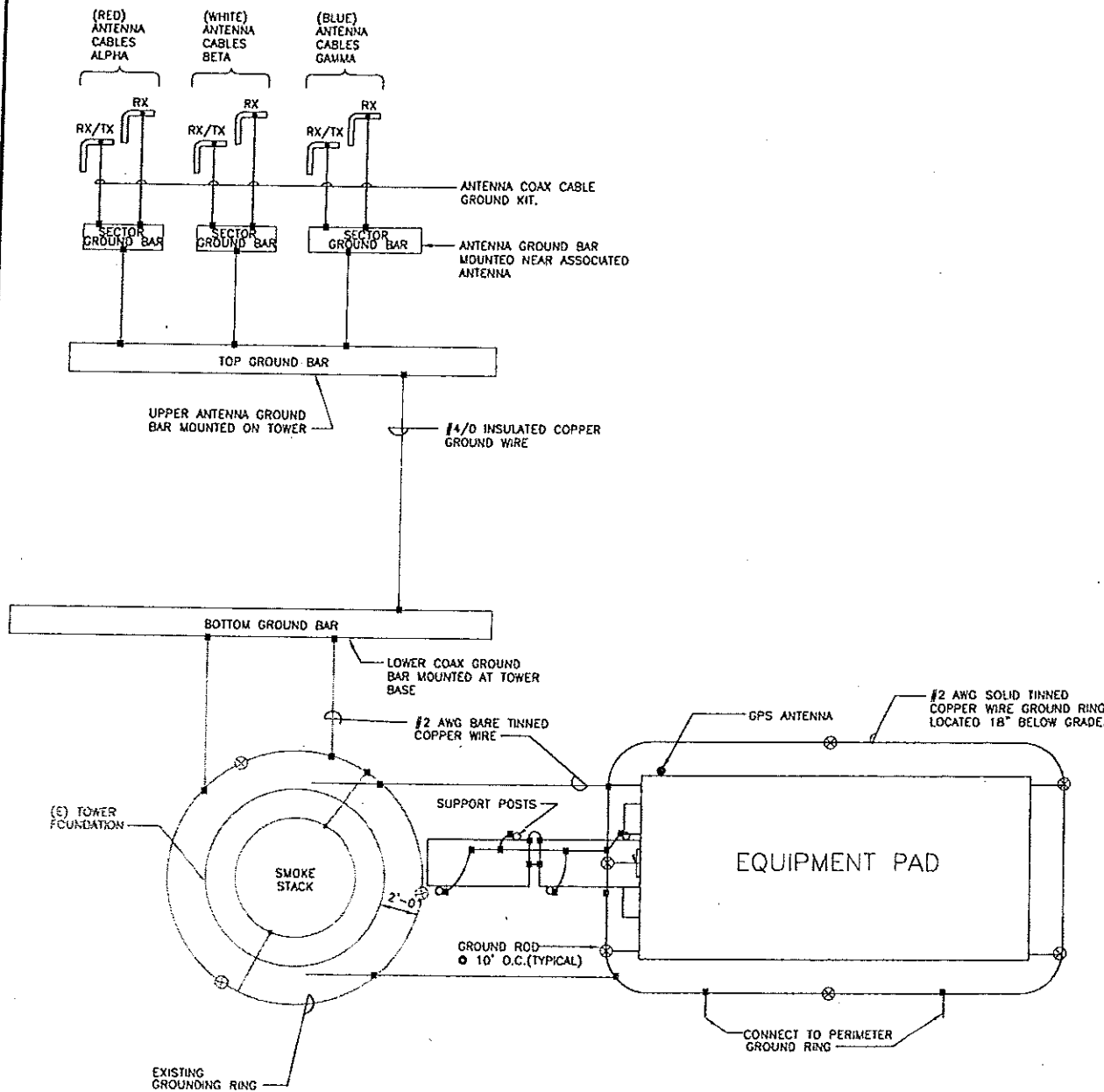
ICE BRIDGE DETAIL

N.T.S.



TYPICAL SECTION ELECTRICAL & TELEPHONE SERVICE TRENCH

N.T.S.



GROUND RISER DIAGRAM

N.T.S.

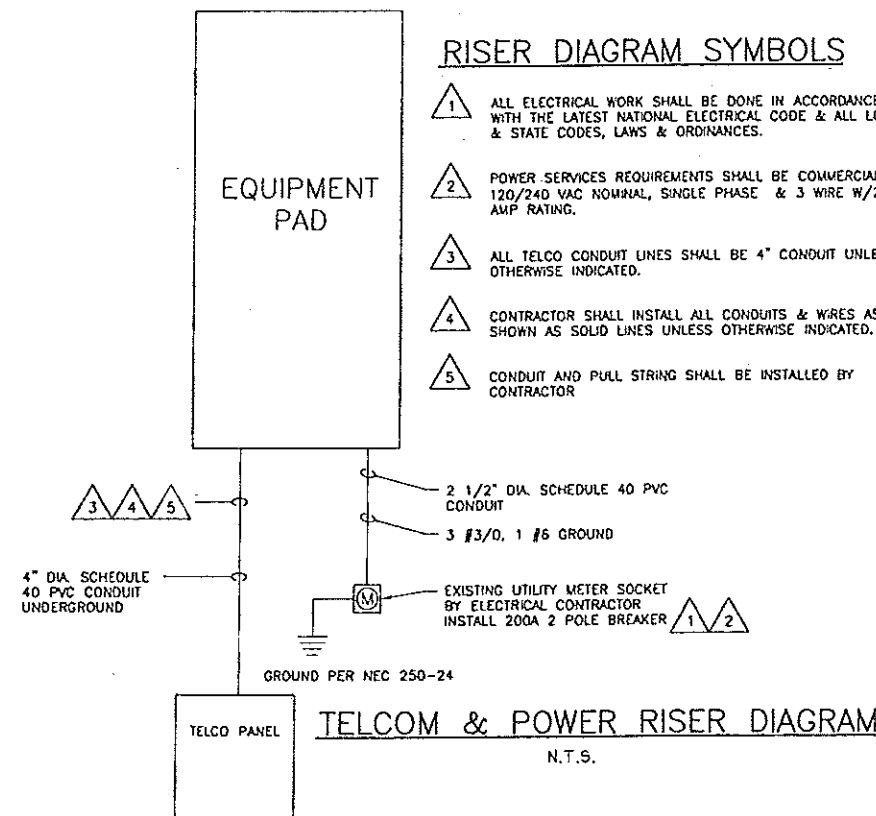
■ - GROUND CONNECTION

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.

STATE OF MAINE  
MICHAEL DELEFETSKY  
No. 5023  
Professional Engineer

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DESIGNED BY: MSD DATE: 10/08/03  
DRAWN BY: BJB SCALE: AS NOTED  
CHECKED BY: MSD PROJECT NO: 390.51.01  
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 MANUFACTURERS ASSOCIATION (MBMA) 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 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.

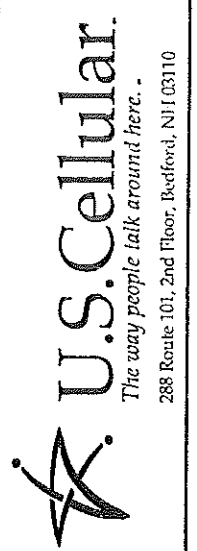
**SEEDING AND REVEGETATION PLAN**

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 SEEDED AT THE RATE OF 100 LBS/ACRE OF 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.
- 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.

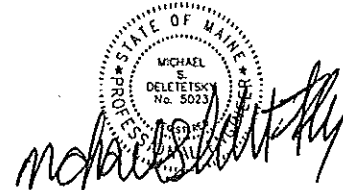


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DATE NAME: BLUEBERRY LANE  
 SITE NUMBER: 853327  
 ADDRESS: 64 BLUEBERRY ROAD  
 DRAWING TITLE: GENERAL NOTES

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