

# **NEW MILFORD NE**

**359 Litchfield Road  
New Milford, Connecticut**

Description of Proposed Cell Site

Cellco Partnership d/b/a Verizon Wireless  
99 East River Drive  
East Hartford, CT 06108

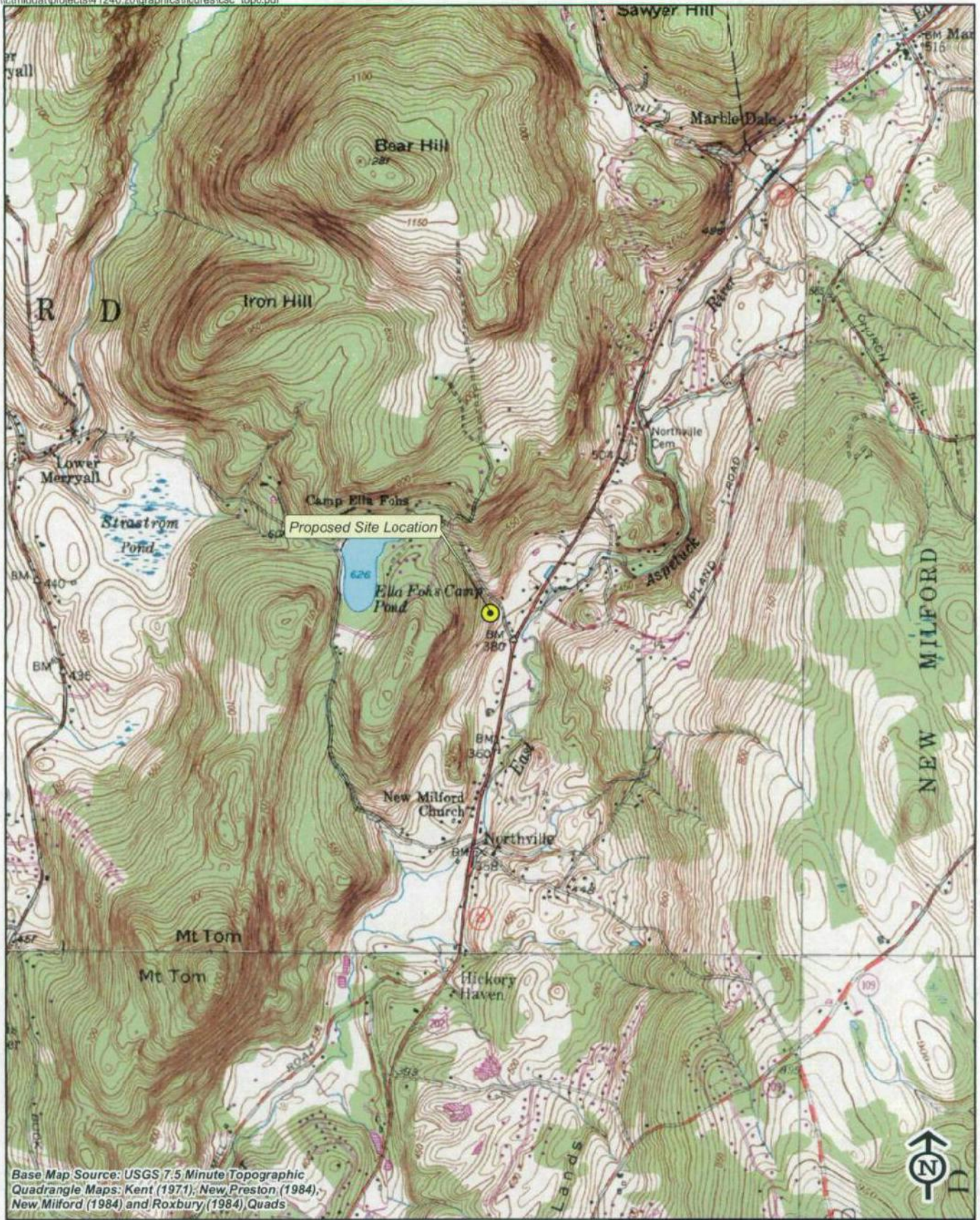
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SITE NAME: NEW MILFORD NE – 359 Litchfield Road, New Milford, CT

GENERAL CELL SITE DESCRIPTION

The proposed cell site would be located within a fenced compound in the northerly portion of an approximately 3.85-acre parcel (“Property”) owned by the Northville Volunteer Fire Department, Inc. (“NVFD”). The Property is located north of Route 202 and is the site of the NVFD station house. The New Milford Northeast Facility would consist of a 150-foot telecommunications tower and a 12’ x 30’ equipment shelter located near the base of the tower (the “New Milford NE Facility”). Cellco antennas would be mounted at the top of the tower with their centerline at the 150-foot level. The top of the Cellco antennas would extend to an overall height of approximately 153 feet above ground level. Vehicular access to the site and utility service would extend from Big Bear Hill Road over a new gravel driveway to the site compound, a total distance of approximately 160 feet.



Base Map Source: USGS 7.5 Minute Topographic  
 Quadrangle Maps: Kent (1971); New Preston (1984);  
 New Milford (1984) and Roxbury (1984) Quads



Quadrangle Location

**Vanasse Hangen Brustlin, Inc.**

USGS Topographic Map  
 Proposed Verizon Wireless  
 Telecommunications Facility

New Milford Northeast  
 359 Litchfield Road  
 New Milford, Connecticut





Base Map Source: 2006 Color Aerial Photograph with 1 foot Resolution



Quadrangle Location

**Vanasse Hangen Brustlin, Inc.**

**Aerial Photograph  
Proposed Verizon Wireless  
Telecommunications Facility**

**New Milford Northeast  
359 Litchfield Road  
New Milford, Connecticut**



## SITE EVALUATION REPORT

SITE NAME: NEW MILFORD NE – 359 Litchfield Road, New Milford, CT

### I. LOCATION

- A. COORDINATES: 41°-38'-22.054" N 73°-23'-31.897" W
- B. GROUND ELEVATION: Approximately 425± feet AMSL
- C. USGS MAP: New Milford, CT
- D. SITE ADDRESS: 359 Litchfield Road, New Milford, CT
- E. ZONING WITHIN 1/4 MILE OF SITE: Land within 1/4 mile of the cell site is zoned R-80 residential to the north, B-1 (Restricted Business) along the north side of Route 202 and B-4 (Business) and R-40 Residential south of Route 202.

### II. DESCRIPTION

- A. SITE SIZE: 100' x 100' Leased Area
- B. LESSOR'S PARCEL: Approximately 3.85-acres
- C. TOWER TYPE/HEIGHT: 150' Monopole Tower  
153' to top of antennas
- D. SITE TOPOGRAPHY AND SURFACE: Site topography is sloped from west to east. The Northville Volunteer Fire Department ("NVFD") station house is located in the relatively flat southerly portion of the Property. Clearing and grading of the compound area and access road will be required.
- E. SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER: The tower is located in the northerly portion of a 3.85-acre parcel, used as the Northville Volunteer Fire Station. A small intermittent watercourse exists in the northerly portion of the Property.
- F. LAND USE WITHIN 1/4 MILE OF SITE: The New Milford NE Facility is located on a 3.85-acre parcel used as the Northville Volunteer Fire Station. The Property is surrounded by low density residential land uses to the west; business uses along Route 202 and low density residential and agricultural uses to the east and south across Route 202. (See Aerial Photograph at p. 2).

III. FACILITIES

- A. POWER COMPANY: Connecticut Light and Power
- B. POWER PROXIMITY TO SITE: Approximately 160 feet to the east along Big Bear Hill Road.
- C. TELEPHONE COMPANY: AT&T
- D. PHONE SERVICE PROXIMITY: Same as power
- E. VEHICLE ACCESS TO SITE: Vehicle access to the site would extend from Big Bear Hill Road over a new gravel driveway to the site compound a total distance of approximately 160 feet.
- F. CLEARING AND FILL REQUIRED: Clearing and grading would be required for construction of the tower and site compound. Detailed construction plans would be developed after approval by the Siting Council.

IV. LEGAL

- A. PURCHASE  LEASE
- B. OWNER: Northville Volunteer Fire Department, Inc.
- C. ADDRESS: 359 Litchfield Road, New Milford, 06776
- D. DEED ON FILE AT: Town of New Milford, CT Land Records





## ENVIRONMENTAL ASSESSMENT STATEMENT

SITE NAME: NEW MILFORD NE – 359 Litchfield Road, New Milford, CT

### I. PHYSICAL IMPACT

#### A. WATER FLOW AND QUALITY

No water flow and/or water quality changes are anticipated as a result of the construction or operation of the New Milford NE Facility. There is a small intermittent watercourse located in the northerly portion of the Property along Big Bear Hill Road. This watercourse area will not be impacted by the proposed cell site improvements. The equipment used will not discharge any pollutants to area surface or groundwater systems.

#### B. AIR QUALITY

Under ordinary operating conditions, the equipment that would be used at the site would emit no air pollutants of any kind. For limited periods during power outages and periodically for maintenance purposes, minor levels of emissions from the on-site generator would result.

Pursuant to R.C.S.A. § 22a-174-3, the on-site emergency back-up generator proposed as a part of this application would require the issuance of a Connecticut Department of Environmental Protection Air Bureau permit for potential emissions. Cellco would obtain this permit prior to installing the generator at the approved cell site.

#### C. LAND

Tree clearing and regrading of the tower compound and access driveway will be required. The remaining portion of the NVFD Property would remain unchanged by the construction and operation of the New Milford NE Facility.

#### D. NOISE

The equipment to be in operation at the New Milford NE Facility after construction would emit no noise of any kind, except for operation of the installed heating, air conditioning and ventilation systems and occasional operation of a back-up generator which would be run during power failures and periodically for maintenance purposes. Some noise is anticipated during cell site construction, which is expected to take approximately four to six weeks.

E. POWER DENSITY

The worst-case calculation of power density for Cellco's PCS antennas at the New Milford NE Facility would be 2.46% of the Standard.

F. VISIBILITY

See Visual Resource Evaluation Report included as Attachment 10.

# Cellco Partnership

d.b.a. **verizon** wireless

## WIRELESS COMMUNICATIONS FACILITY NEW MILFORD NORTHEAST 359 LITCHFIELD ROAD NEW MILFORD, CT

**SITE DIRECTIONS**

**FROM:** 89 EAST RIVER DRIVE EAST HARTFORD, CONNECTICUT **TO:** 359 LITCHFIELD ROAD NEW MILFORD, CONNECTICUT

- START OUT GOING EAST ON EAST RIVER DRIVE TOWARD DARLIN ST.
- TURN LEFT TO STAY ON EAST RIVER DRIVE
- STAY STRAIGHT TO GO ONTO RAMP
- MERGE ONTO US-6 W/A-84 W/US-44 W.
- MERGE ONTO I-84 W/US-6.
- MERGE ONTO CT-4 W/FARMINGTON AVE VIA EXIT 39 TOWARD FARMINGTON.
- TURN SLIGHT RIGHT ONTO MAIN STREET / CT-4, CONTINUE TO FOLLOW CT-4.
- TURN LEFT ONTO SHELLEMAN / CT-4, CONTINUE TO FOLLOW CT-4.
- TURN SLIGHT RIGHT ONTO THOMASTON ROAD.
- TURN LEFT ONTO CT-118 / EAST STREET.
- STAY STRAIGHT TO GO ONTO WEST ST/US-202. CONTINUE TO FOLLOW US-202.
- TURN SLIGHT RIGHT ONTO US-202/BANTAM RD. CONTINUE TO FOLLOW US-202.
- TURN LEFT ONTO US-202/LITCHFIELD THRP/MILBUR RD. CONTINUE TO FOLLOW US-202.
- END AT 359 LITCHFIELD ROAD.

0.2 MI
-0.1 MI
0.1 MI
-0.1 MI
8.2 MI
5.8 MI
2.6 MI
9.1 MI
-0.1 MI
4.6 MI
0.1 MI
6.4 MI
1.0 MI
8.8 MI

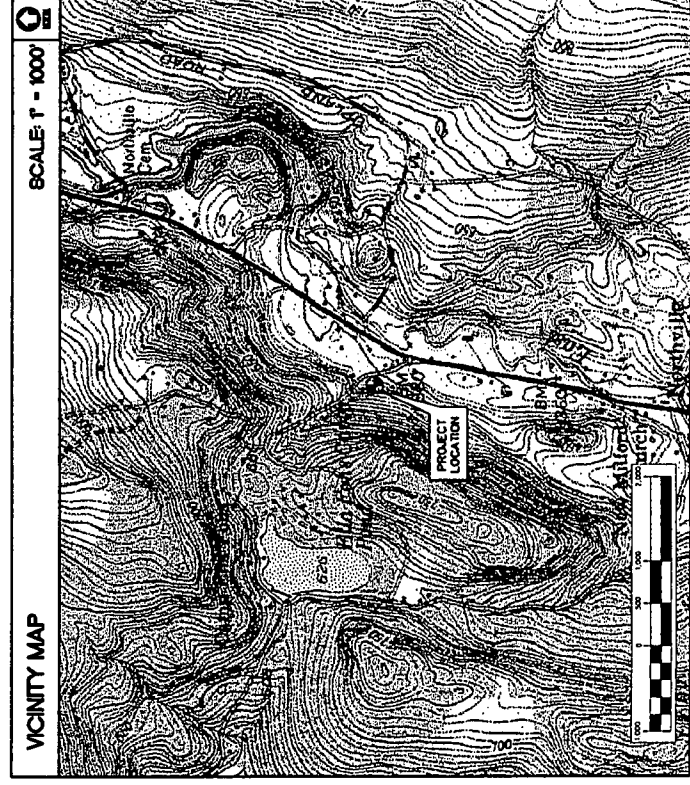
**GENERAL NOTES**

1. PROPOSED ANTENNA LOCATIONS AND HEIGHTS PROVIDED BY CELCO PARTNERSHIP.

**SITE INFORMATION**

GENERAL SCOPE OF WORK SHALL INCLUDE:

1. THE CONSTRUCTION OF A 35'x35' FENCED WIRELESS COMMUNICATIONS COMPOUND WITH A 100'-100' LEASE AREA.
2. SITE GRADING AND RETAINING WALLS WILL BE REQUIRED WITHIN LEASE AREA. THIRTY-FOUR TREES WILL BE REQUIRED TO ACCOMMODATE THE PROPOSED FACILITY AND ACCESS DRIVE.
3. A TOTAL OF TWELVE (12) DIRECTIONAL PANEL ANTENNAS ARE PROPOSED TO BE MOUNTED AT A RAD CENTER ELEVATION OF 150'-0" +/- AGL ON A 150' PROPOSED STEEL MONOPOLE.
4. POWER AND TELCO UTILITIES SHALL BE ROUTED UNDERGROUND FROM EXISTING RESPECTIVE DEMARCS TO THE PROPOSED UTILITY BACKBOARD LOCATED ADJACENT TO THE PROPOSED FENCED COMPOUND. UTILITIES WILL BE ROUTED FROM UTILITY BACKBOARD TO THE PROPOSED MONOPOL. 12"X30" WIRELESS EQUIPMENT SHELTER LOCATED WITHIN THE COMPOUND. FINAL UTILITY ROUTING TO PROPOSED COMPANIES WILL BE VERIFIED/DETERMINED BY LOCAL UTILITY COMPANIES.
5. FINAL DESIGN FOR TOWER AND ANTENNA MOUNTS SHALL BE INCLUDED IN THE FINAL CONSTRUCTION DOCUMENTS.
6. THE PROPOSED WIRELESS FACILITY INSTALLATION WILL BE DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2005 CONNECTICUT SUPPLEMENT.
7. THERE WILL NOT BE ANY LIGHTING UNLESS REQUIRED BY THE FCC OR THE FAA.
8. THERE WILL NOT BE ANY SIGNS OR ADVERTISING ON THE ANTENNAS OR EQUIPMENT.
9. FOR ADDITIONAL NOTES AND DETAILS REFER TO THE ACCOMPANYING DRAWINGS.



**PROJECT SUMMARY**

**SITE NAME:** NEW MILFORD NORTHEAST  
**SITE ADDRESS:** 359 LITCHFIELD ROAD  
 NEW MILFORD, CT 06776  
**ZONING DISTRICT:** R-80  
**PROPERTY OWNER/LESSOR:** NORTHVILLE VOLUNTEER FIRE DEPARTMENT, INC.  
 359 LITCHFIELD ROAD  
 NEW MILFORD, CT 06776  
**LESSEE:** CELCO PARTNERSHIP  
 89 EAST RIVER DRIVE  
 EAST HARTFORD, CT 06108  
**APPLICANT:** CELCO PARTNERSHIP  
 d.b.a. VERIZON WIRELESS  
 89 EAST RIVER DRIVE  
 EAST HARTFORD, CT 06108  
**CONTACT PERSON:** SANDY CARTER  
 CELCO PARTNERSHIP  
 (860) 803-8219  
**TOWER COORDINATES:** LATITUDE: 41°39'22.791"  
 LONGITUDE: 72°53'11.850"  
 GND ELEVATION: 424.0 ± A.M.S.L.

**LEGEND**

SYMBOL	DESCRIPTION
(Symbol: Section or Detail Number)	SECTION OR DETAIL NUMBER SHEET WHERE DETAIL/SECTION OCCURS
(Symbol: Elevation Number)	ELEVATION NUMBER SHEET WHERE ELEVATION OCCURS

**SHEET INDEX**

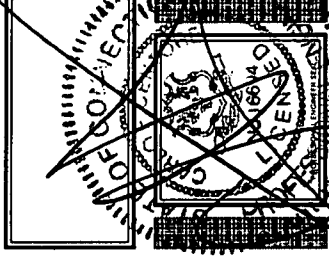
SHT. NO.	DESCRIPTION	REV. NO.
T-1	TITLE SHEET	01
C-1	PARTIAL SITE SURVEY PLAN	01
C-1A	ADJUTERS MAP	01
C-1B	LANDSCAPING PLAN AND PROFILE	01
C-2	COMPOUND PLAN AND ELEVATION	01
C-3	SITE DETAILS AND NOTES	01
C-4	SITE DETAILS AND SHELTER ELEVATIONS	01
C-5	SHELTER FOUNDATION DETAILS AND NOTES	01

**REVISIONS**

NO.	DATE	DESCRIPTION
00	01/23/07	SITING COUNCIL REVIEW
01	12/05/07	SITING COUNCIL

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**NATCOM**  
CONSULTING ENGINEERS  
 P: 203.488.0580  
 F: 203.488.8587  
 W: nat-eng.com  
 E: nat@nat-eng.com  
 63-2 N. Bedford Rd.  
 Branford, CT 06405



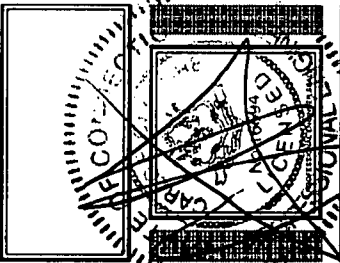
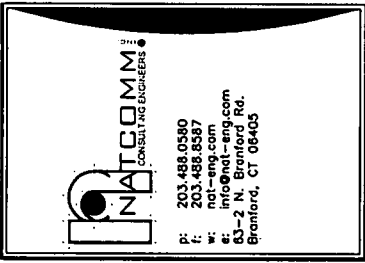
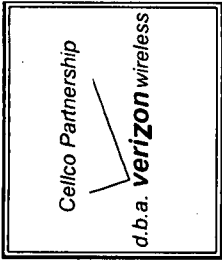
**NEW MILFORD NORTHEAST**  
 359 LITCHFIELD ROAD  
 NEW MILFORD, CT 06776

PROJECT NO: 05106  
 DRAWN BY: DMD  
 CHECKED BY: CFC  
 SCALE: AS NOTED  
 DATE: 01/04/07

TITLE SHEET

T-1  
DWG. 1 OF 8

REVISIONS	
00	01/23/07 SITING COUNCIL REVIEW
01	12/05/07 SITING COUNCIL



**NEW MILFORD  
NORTHEAST**  
358 LITCHFIELD ROAD  
NEW MILFORD, CT 06776

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**PARTIAL  
SITE SURVEY PLAN**

**C-1**  
DWG. 2 OF 8

**SURVEY NOTES**  
THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300B-1 OF THE CONNECTICUT STATE AGENCIES' MINIMUM STANDARDS FOR SURVEYS. THIS MAP IS THE PROPERTY OF THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPT. 25, 1986. IT IS DATA ACCUMULATED FROM LIMITED FIELD DATA AND REFERENCE MAPS. THE DATA WAS OBTAINED FROM THE 0 AND IS INTENDED TO BE USED TO DEPICT A PROPOSED TELECOMMUNICATIONS SITE.

THE PROPERTY/BOUNDARY LINES DEPICTED HEREON ARE COMPILED FROM OTHER MAPS, RECORDS AND FIELD SURVEYS. THE DATA IS NOT GUARANTEED TO BE ACCURATE. A BOUNDARY SURVEY AND AN ACCURATE FIELD SURVEY MAY DISCLOSE PROPERTY RIGHTS OF WAY AS A TITLE SEARCH REPORT MAY DISCLOSE.

VERTICAL DATUM IS BASED ON NAVD 28. COORDINATES REFER TO NAD 83. THE INTENTION OF THIS MAP IS TO SHOW THE LOCATION OF THE WIRELESS COMMUNICATIONS FACILITY TO BE CONSTRUCTED BY VERIZON.

REFERENCE IS MADE TO THE FOLLOWING MAPS ENTITLED:  
1) "MAP PREPARED FOR NORTVILLE VOLUNTEER FIRE DEPT. INC. ROUTE 202 & BIG BARE ROAD, NORTVILLE, CONNECTICUT. PREPARED BY ROBERT GROSSBACHER, SCALE 1"=40', DATED NOVEMBER 3, 1989.

2) "MAP SHOWING PROPOSED EASEMENT TO BE GRANTED TO SOUTHERN NEW ENGLAND TELEPHONE COMPANY BY NORTVILLE VOLUNTEER FIRE DEPT. INC. BIG BEAR ROAD NEW MILFORD, CONNECTICUT. PREPARED BY ROBERT GROSSBACHER, SCALE 1"=40', DATED APRIL 1985 AND REVISED TO JULY 20, 1992.

PARCEL OWNER OF RECORD: NORTVILLE VOLUNTEER FIRE DEPARTMENT INC.  
358 LITCHFIELD ROAD  
NEW MILFORD CT. 06776

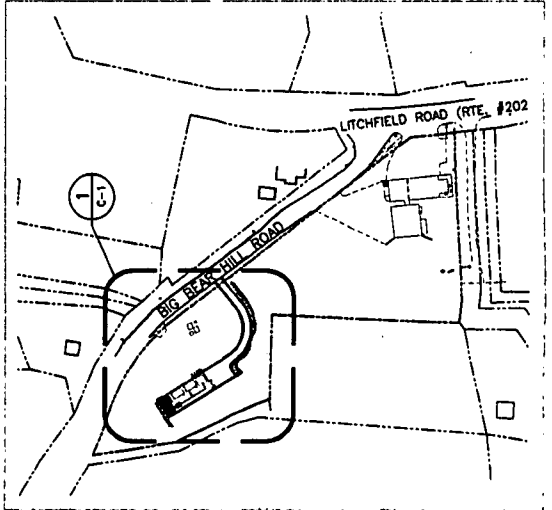
PARCEL AREA=3.85 ACRES PER DEED.  
FIELD SURVEYED ON SEPTEMBER 10, 2005, JULY 31, 2006 AND JANUARY 3, 2007.  
PARCEL MAP 72 BLOCK 72 OF THE NEW MILFORD ASSESSOR'S MAP.

**SYMBOLS LEGEND**

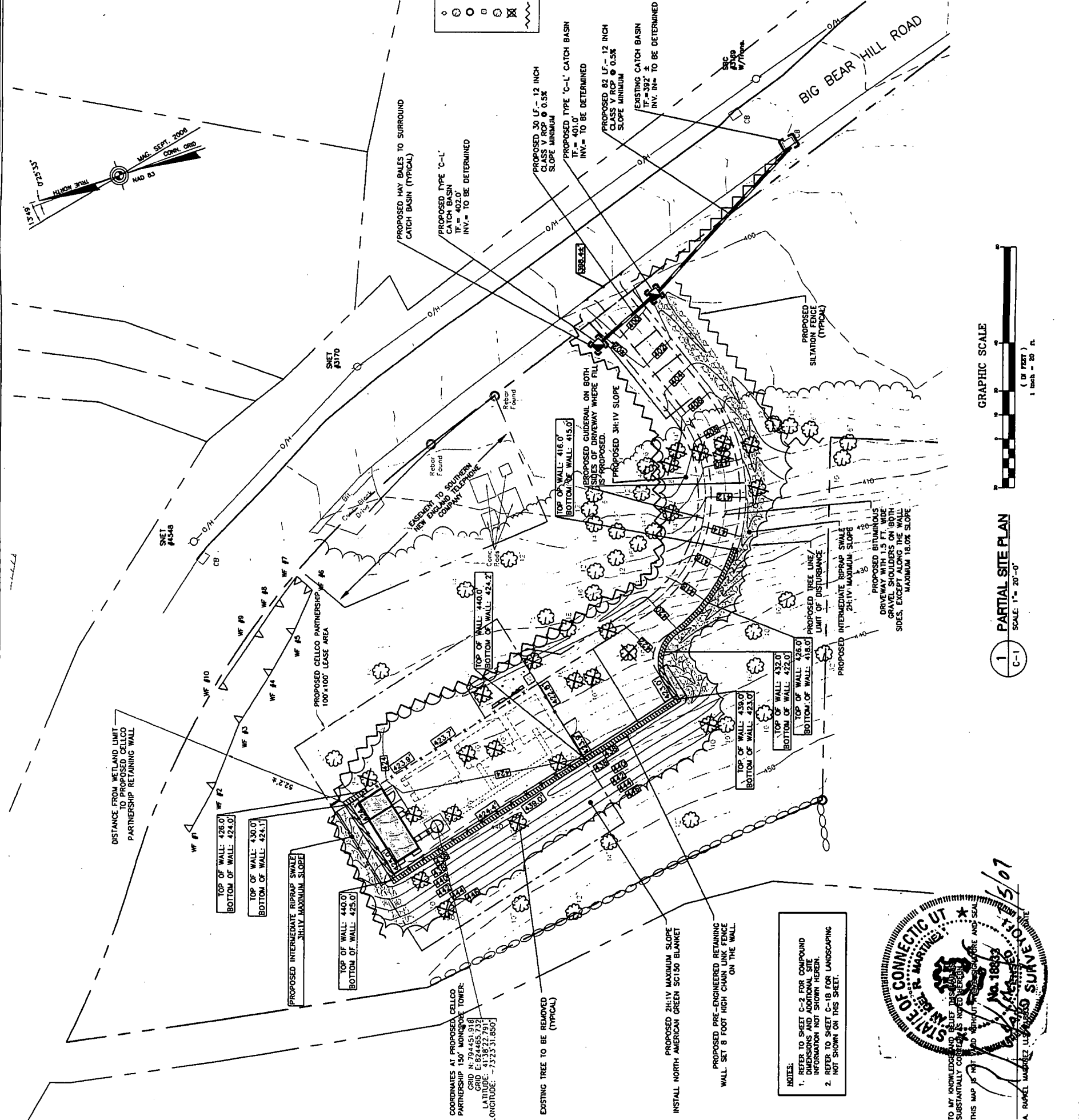
○	UTILITY POLE
○	DECIDUOUS TREE
○	IRON PIPE
○	CONIC MON
○	EXISTING TREE
○	WETLAND FLAG
—	PROPERTY LINE
—	EASEMENT LINE
—	LEASE LINE
—	CONTOUR LINE
—	GRADING LINE
—	WETLAND FLAG

**TREE REMOVAL SUMMARY**

TREES PROPOSED TO BE REMOVED ALONG ACCESS DRIVE AND ACCESS/UTILITY EASEMENT	= 14
TREES PROPOSED TO BE REMOVED WITHIN THE 100'-100' LEASE AREA	= 10
<b>TOTAL TREES PROPOSED TO BE REMOVED</b>	<b>= 24</b>



**1 SITE KEY PLAN**  
SCALE: 1"=20'



**1 PARTIAL SITE PLAN**  
SCALE: 1"=20'-0"

**NOTES:**  
1. REFER TO SHEET C-2 FOR COMPOUND DIMENSIONS AND ADDITIONAL SITE INFORMATION NOT SHOWN HEREIN.  
2. REFER TO SHEET C-1B FOR LANDSCAPING NOT SHOWN ON THIS SHEET.



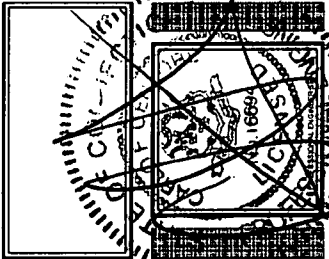
TO MY KNOWLEDGE AND BELIEF THE INFORMATION CONTAINED HEREON IS TRUE AND CORRECT AND THIS MAP IS NOT MADE OR USED IN VIOLATION OF ANY LAW, RULE, REGULATION OR ORDER OF THE STATE OF CONNECTICUT.  
A. RAFAEL MORALES, L.L.C. No. 18883  
1/5/07

REVISIONS	
00	9/12/07 SITING COUNCIL REVIEW
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**INATCOMM**  
CONSULTING ENGINEERS

P: 203.488.0580  
F: 203.488.8387  
W: info@inatcomm.com  
63-2 N. Branford Rd.  
Branford, CT 06405



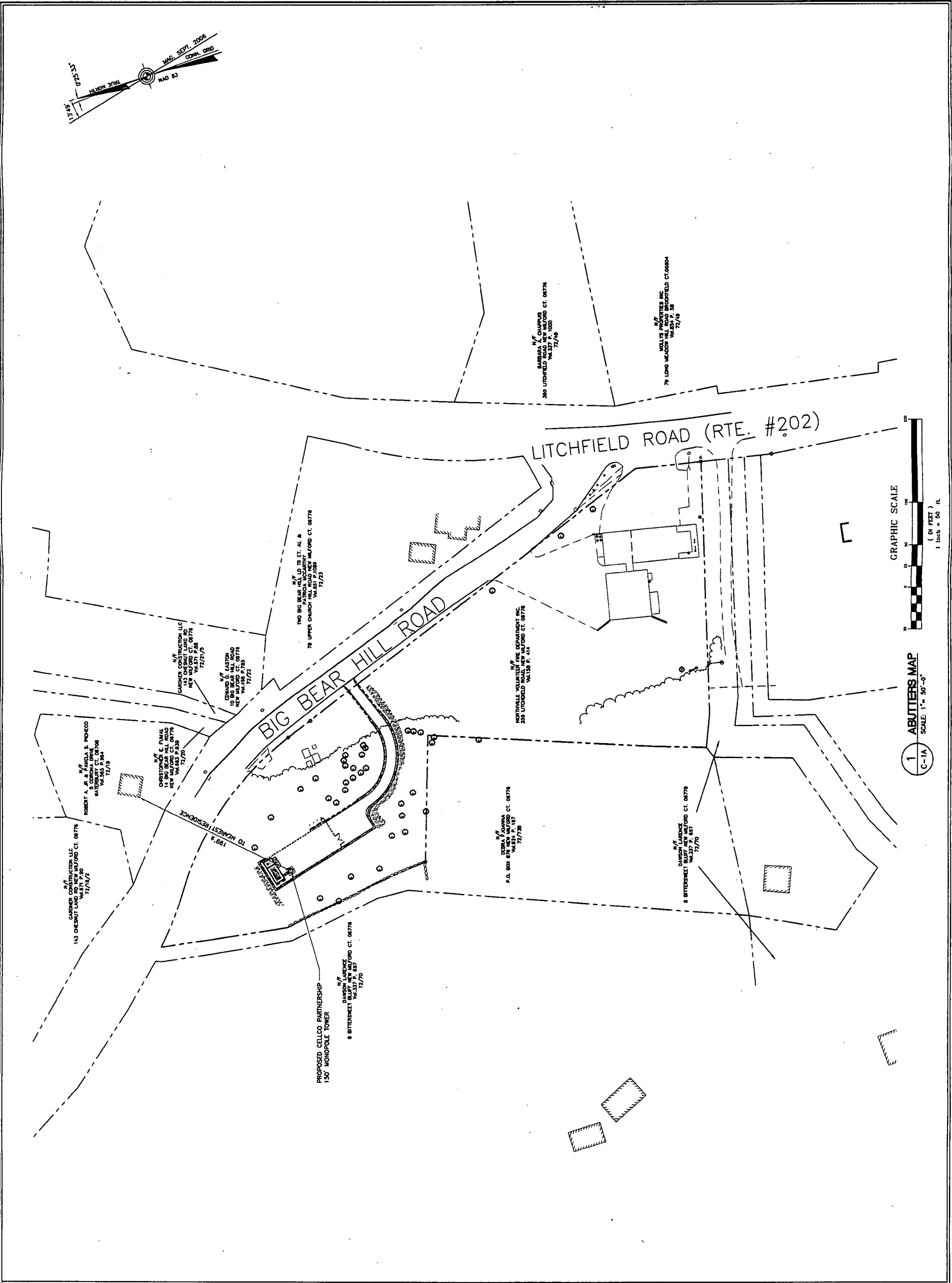
**NEW MILFORD  
NORTHEAST**

359 LITCHFIELD ROAD  
NEW MILFORD, CT 06776

PROJECT NO:	05105
DRAWN BY:	DMD
CHECKED BY:	CFC
SCALE:	AS NOTED
DATE:	01/04/07

ABUTERS MAP

**C-1A**  
DWG. 3 OF 8

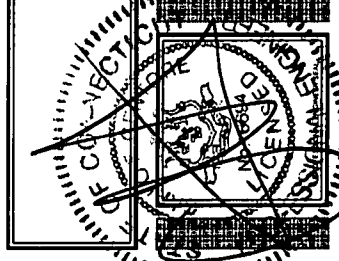


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P: 203-488-0580  
F: 203-488-8587  
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63-2 N. Branford Rd.  
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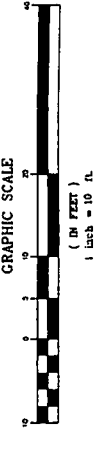
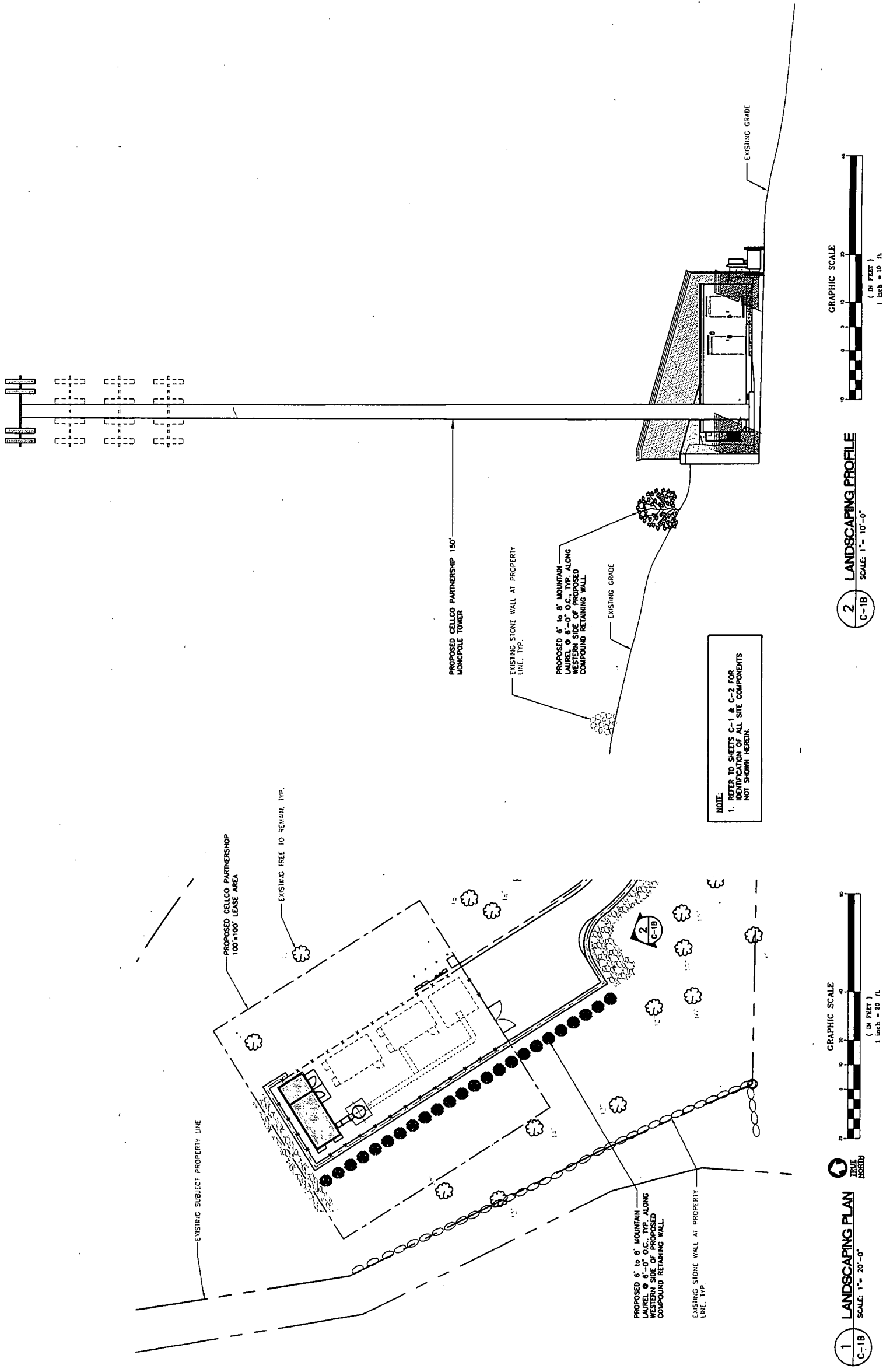
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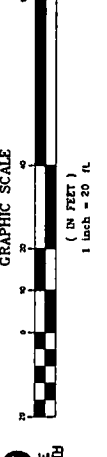
PROJECT NO: 05106  
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**LANDSCAPING PLAN AND PROFILE**

**C-1B**  
DWG. 4 OF 8



**2 LANDSCAPING PROFILE**  
SCALE: 1" = 10'-0"  
C-1B



**1 LANDSCAPING PLAN**  
SCALE: 1" = 20'-0"  
C-1B

**NOTE:**  
1. REFER TO SHEETS C-1 & C-2 FOR IDENTIFICATION OF ALL SITE COMPONENTS NOT SHOWN HEREIN.

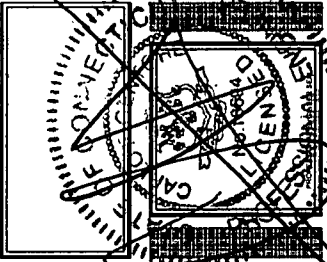


REVISIONS	
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00	01/23/07 SITING COUNCIL REVIEW
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**NATCOM**  
CONSULTING ENGINEERS

P: 203-488-0580  
F: 203-488-8587  
C: info@natcom.com  
63-2 N. Branford Rd.  
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**SITE DETAILS AND NOTES**

**C-3**  
DWG. 9 OF 8

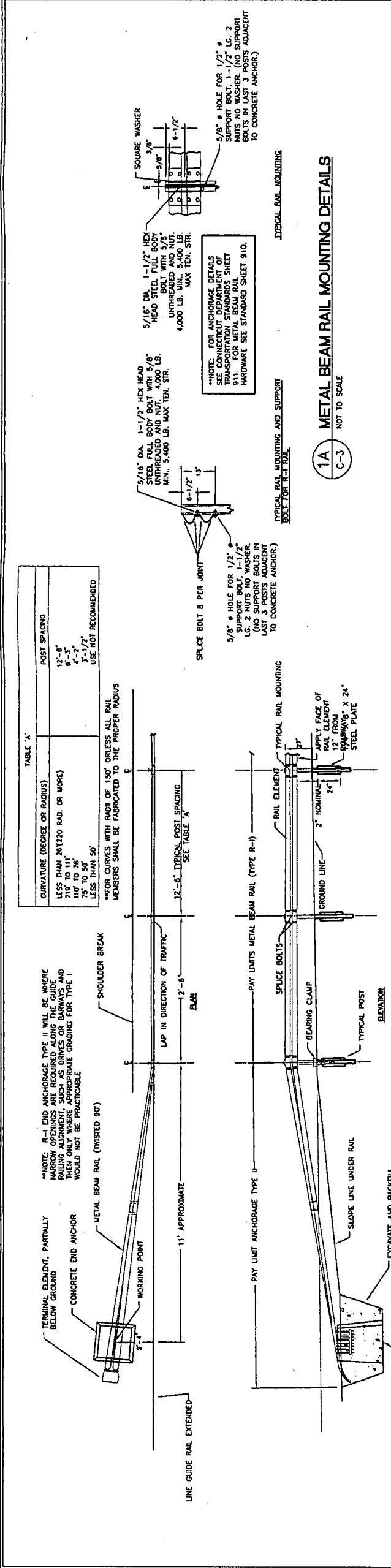


TABLE 'A'

CURVATURE (DEGREE OR RADIUS)	POST SPACING
LESS THAN 26'(20 RAD. OR MORE)	12'-6"
219' TO 111'	6'-3"
110' TO 76'	4'-3"
75' TO 50'	3'-7"
LESS THAN 50'	USE NOT RECOMMENDED

\*\*FOR CURVES WITH RADIUS OF 150' OR LESS ALL RAIL MEMBERS SHALL BE FABRICATED TO THE PROPER RADIUS

**DOT INTERMEDIATE RIPRAP SIZES**

STONE SIZE	% OF MASS
18" AND OVER	0
12" TO 18"	30-50
6" TO 12"	30-50
3" TO 6"	30-50
2" TO 3"	10-20
LESS THAN 2"	0-10

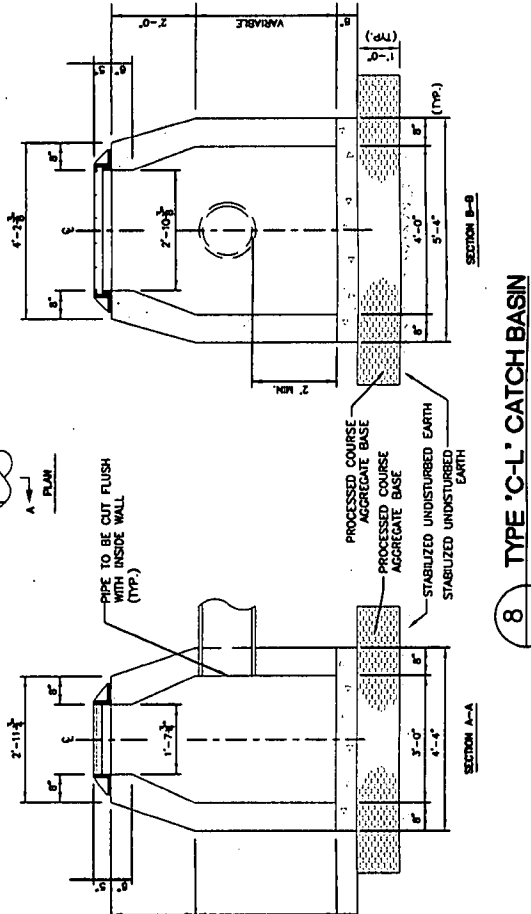
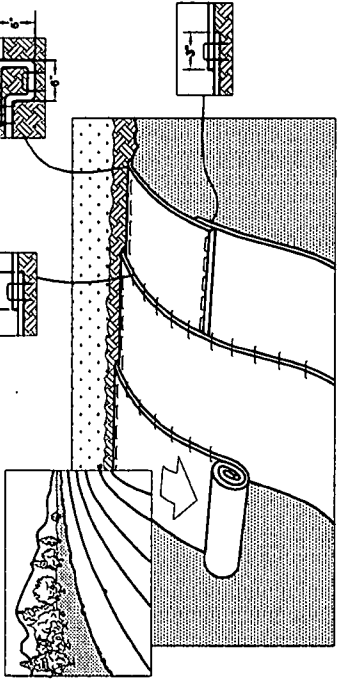
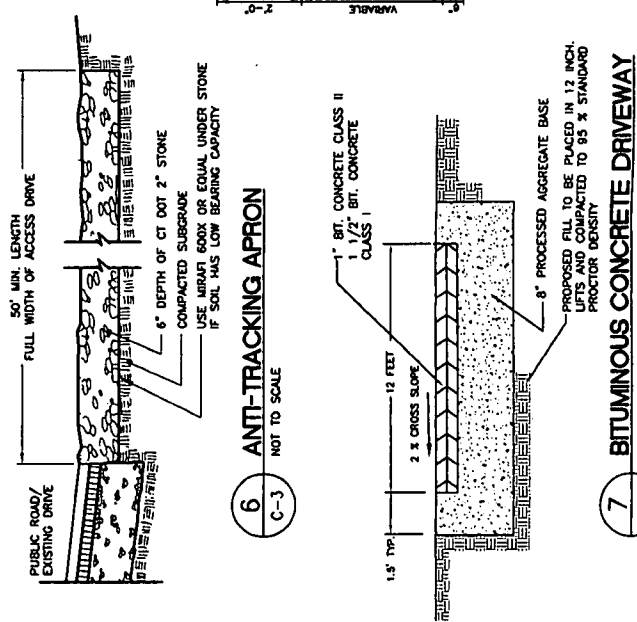
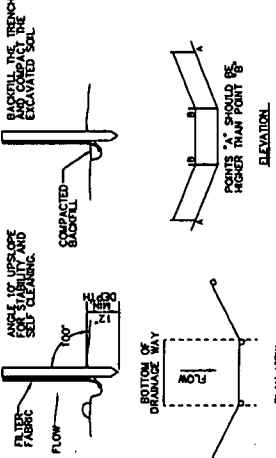
COMPACTED FLOOR SHALL BE GRADED PROPER MATERIALS AND PARTICLES OVER 4" IN SIZE

MANHOLE TO BE COVER LEAVE FULLY COMPACTED FLOOR TO INITIAL BACKFILL FOUNDATION DETAIL AND SUBSEQUENT FILL TO BE AS REQUIRED BY INSPECTING ENGINEER

- EROSION CONTROL**
- GENERAL CONSTRUCTION SEQUENCE**
- THIS IS A GENERAL CONSTRUCTION SEQUENCE OUTLINE SITES OF WHICH MAY NOT APPLY TO PARTICULAR SITES
- CUT AND STUMP AREAS OF PROPOSED CONSTRUCTION.
  - INSTALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES AS REQUIRED.
  - REMOVE AND STOCKPILE TOPSOIL STOCKPILE SHALL BE SEED TO PREVENT EROSION.
  - CONSTRUCT CLOSED DRAINAGE SYSTEM PRECEPT CULVERT INLETS AND CATCH BASINS WITH SEDIMENTATION BARRIERS.
  - HAY BALES AND SILTATION FENCES AS REQUIRED TO CONTROL SOIL EROSION.
  - INSTALL UNDERGROUND UNLINES.
  - BEGIN TEMPORARY AND PERMANENT SEEDING AND MULCHING. CHECKED AND VERIFIED BY THE CONTRACTOR. SEEDING SHALL BE LEFT UNSTABILIZED FOR A TIME PERIOD OF MORE THAN 30 DAYS.
  - DAILY, OR AS REQUIRED, CONSTRUCT, INSPECT, AND IF NECESSARY, RECONSTRUCT TEMPORARY BERMS, DRAINS, MULCHING AND SEEDING.
  - BEGIN EXCAVATION FOR AND CONSTRUCTION OF TOWERS AND PLATFORMS.
  - FINISH PAVING ALL ROADWAYS, DRIVES, AND PARKING AREAS.
  - COMPLETE PERMANENT SEEDING AND LANDSCAPING.
  - NO FLOW SHALL BE DIVERTED TO ANY WETLANDS UNTIL A HEALTHY STAND OF GRASS HAS BEEN ESTABLISHED IN REGARDED AREAS.
  - AFTER GRASS HAS BEEN FULLY GERMINATED IN ALL SEEDING AREAS, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.

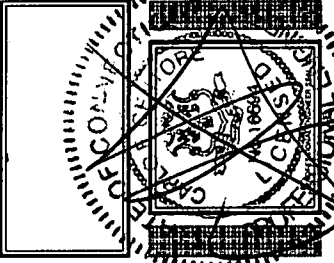
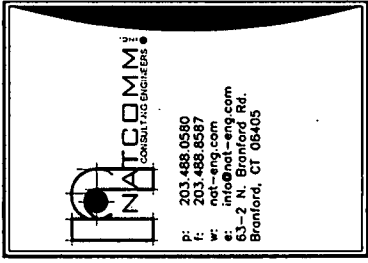
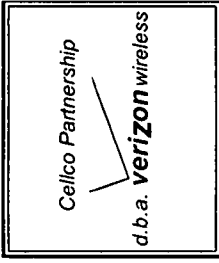
**5 SILTATION FENCE DETAIL**  
NOT TO SCALE

SOURCE: U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, STORES, CONNECTICUT





NO.	DATE	REVISIONS
00	01/23/07	SITING COUNCIL REVIEW
01	12/29/07	SITING COUNCIL

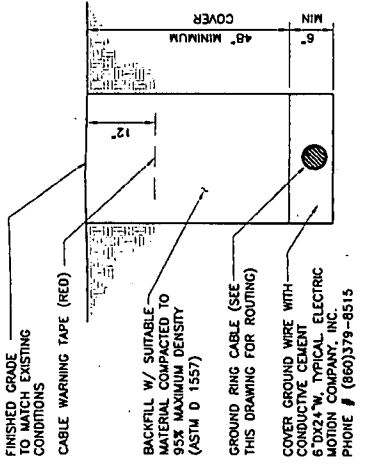


**NEW MILFORD  
NORTHEAST**  
359 LITCHFIELD ROAD  
NEW MILFORD, CT 06776

PROJECT NO:	05106
DRAWN BY:	DMD
CHECKED BY:	CFC
SCALE:	AS NOTED
DATE:	01/04/07

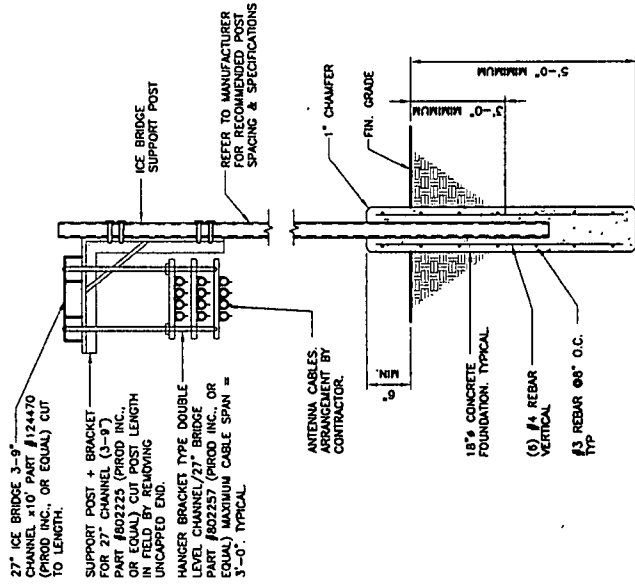
**SITE DETAILS  
AND  
SHELTER ELEVATIONS**

**C-4**  
DWG. 7 OF 8

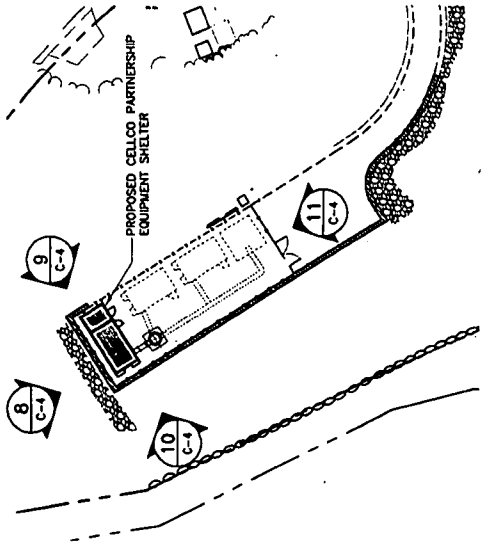


- NOTES:**
- BACK FILL SHALL NOT CONTAIN ASHES, CONCRETE SHELLS, FROZEN MATERIAL, LOOSE DEBRIS OR STONES LARGER THAN 2" IN MAXIMUM DIMENSION.
  - WHERE EXISTING UTILITIES ARE LIKELY TO BE ENCOUNTERED, CONTRACTOR SHALL HAND DIG AND PROTECT EXISTING UTILITIES.

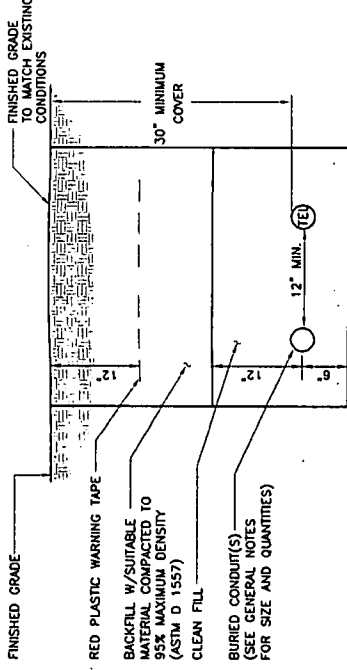
**3 TYPICAL BURIAL GROUND CABLE DETAIL**  
NOT TO SCALE



**6 ICE BRIDGE DETAIL**  
NOT TO SCALE

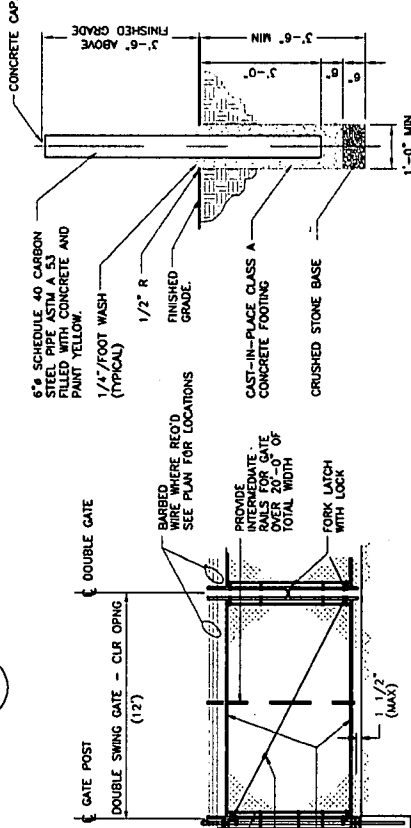


**SHELTER ELEVATION KEY PLAN**  
NOT TO SCALE



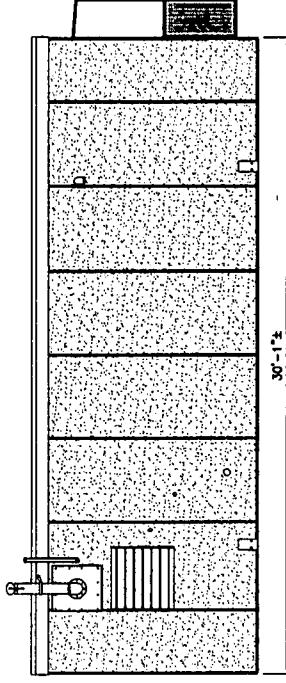
- NOTES:**
- THE CLEAN FILL SHALL PASS THROUGH A 3/8" MESH SCREEN AND SHALL NOT CONTAIN SHARP STONES. OTHER BACKFILL SHALL NOT CONTAIN ASHES, CONCRETE SHELLS, FROZEN MATERIAL, LOOSE DEBRIS OR STONES LARGER THAN 2" IN MAXIMUM DIMENSION.
  - WHERE EXISTING UTILITIES ARE LIKELY TO BE ENCOUNTERED, CONTRACTOR SHALL HAND DIG AND PROTECT EXISTING UTILITIES.

**2 TYPICAL ELECTRICAL/TEL TRENCH DETAIL**  
NOT TO SCALE

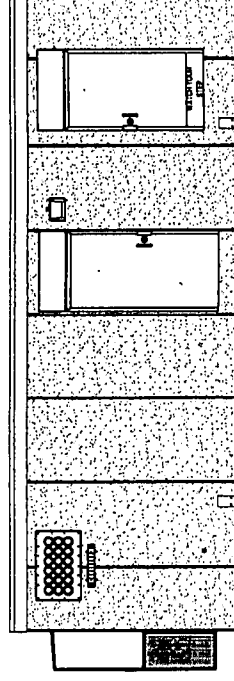


**5 BOLLARD DETAIL**  
NOT TO SCALE

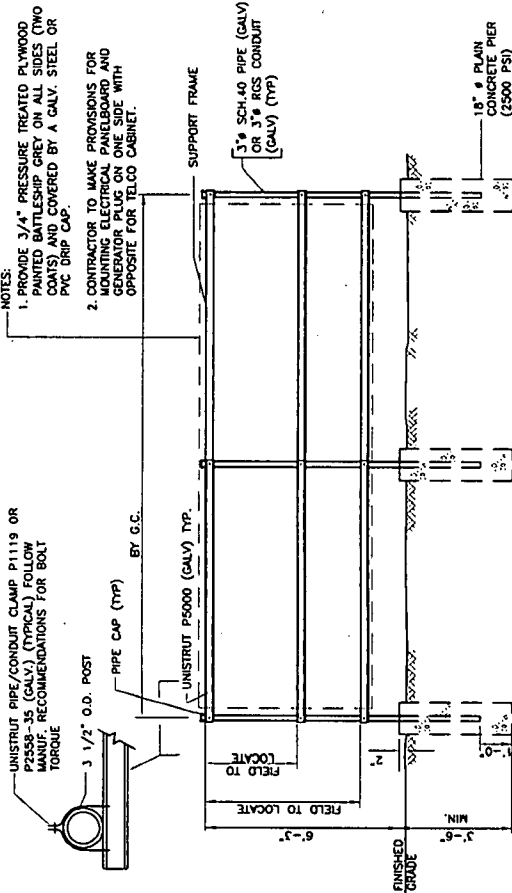
**4A WOVEN WIRE SWING GATE-DOUBLE**  
NOT TO SCALE



**8 NORTH SHELTER ELEVATION**  
SCALE: 1/4" = 1'-0"



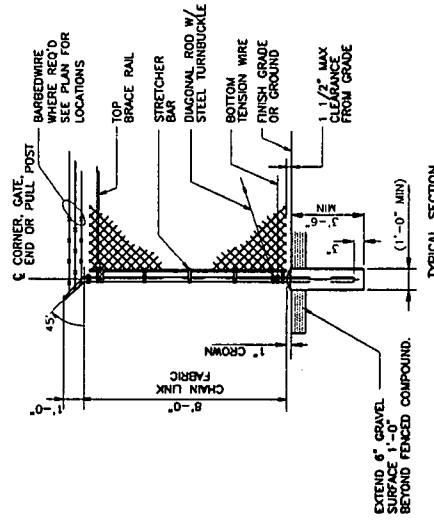
**11 SOUTH SHELTER ELEVATION**  
SCALE: 1/4" = 1'-0"



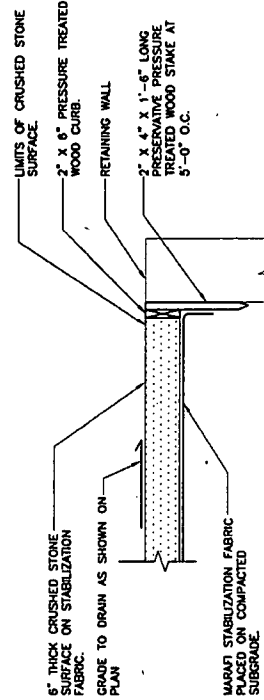
**1 UTILITY SUPPORT FRAME (TYP)**  
NOT TO SCALE

**WOVEN WIRE FENCE NOTES**

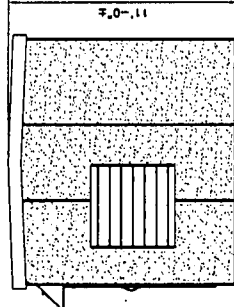
- GATE POST, CORNER, TERMINAL OR PULL POST 2" DIA. SCHEDULE 40 FOR GATE WIDTHS UP THRU 6" (1/2" DIA. SCHEDULE 40 FOR GATE WIDTHS UP THRU 6" DIA. SCHEDULE 40 FOR DOUBLE SWING GATE PER ASTM-F1083).
- LINE POST: 2" SCHEDULE 40 PIPE PER ASTM-F1083.
- GATE FRAME: 1 1/2" SCHEDULE 40 PIPE PER ASTM-F1083.
- TOP RAIL & BRACE RAIL: 1 1/2" SCHEDULE 40 PIPE PER ASTM-F1083.
- FABRIC: 12 GA. CORE WIRE SIZE 2" MESH, CONFORMING TO ASTM-A392.
- THE WIRE, MINIMUM 11 GA. GALVANIZED STEEL AT POSTS AND RAILS A SINGLE WRAP OF FABRIC TO BE PROVIDED AT EACH POST AND RAIL. TENSION WIRE BY HOG RINGS SPACED MAX 24" INTERVALS.
- TENSION WIRE: 7 GA. GALVANIZED STEEL.
- BARBED WIRE: DOUBLE STRAND 12-1/2" O.D. TWISTED WIRE TO MATCH W/FABRIC 14 GA., 4 FT. BARBS SPACED ON APPROXIMATELY 5" CENTERS.
- GATE LATCH: DROP DOWN LOCKABLE FORK LATCH WITH LATCH LOCK, ACTED ALIVE FOR ALL SIZES IN A GIVEN AREA.
- LOCAL ORDINANCE OF BARBED WIRE PERMIT REQUIREMENT SHALL BE COMPLIED WITH IF REQUIRED.
- HEIGHT = 6" VERTICAL + 1' BARBED WIRE VERTICAL DIMENSION.



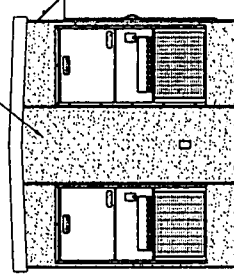
**4 WOVEN WIRE FENCE DETAIL**  
NOT TO SCALE



**7 COMPOUND SURFACING DETAIL**  
NOT TO SCALE



**9 EAST SHELTER ELEVATION**  
SCALE: 1/4" = 1'-0"



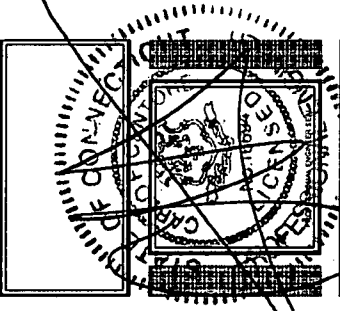
**10 WEST SHELTER ELEVATION**  
SCALE: 1/4" = 1'-0"

REVISIONS	
NO	DESCRIPTION
00	01/23/07 SITING COUNCIL REVIEW
01	12/03/07 SITING COUNCIL

Cellco Partnership  
d.b.a. verizon wireless

**NATCOM**  
CONSULTING ENGINEERS

P: 203.488.0580  
F: 203.488.8597  
E: nat-eng.com  
W: nat-eng.com  
63-2 N. Bedford Rd.  
Branford, CT 06405



**NEW MILFORD  
NORTHEAST**

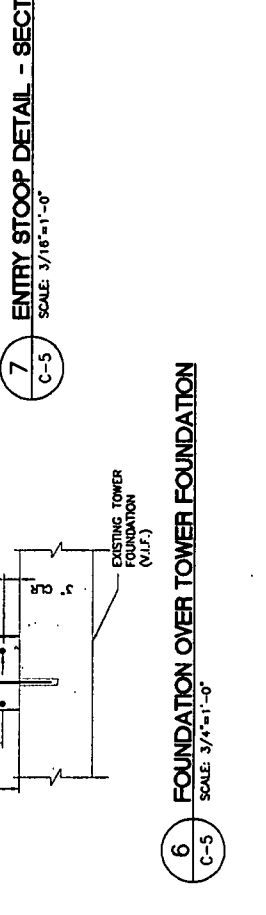
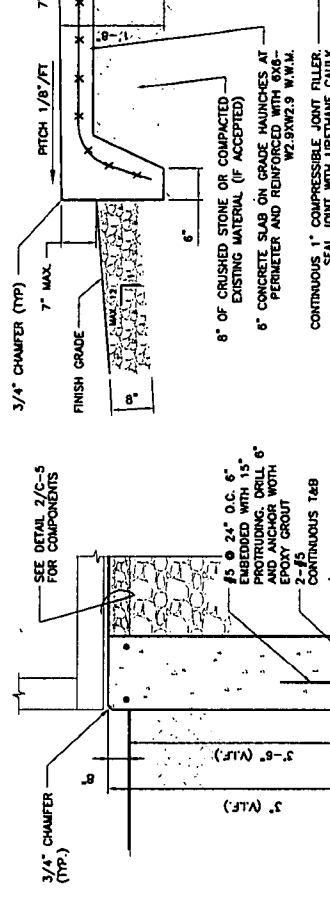
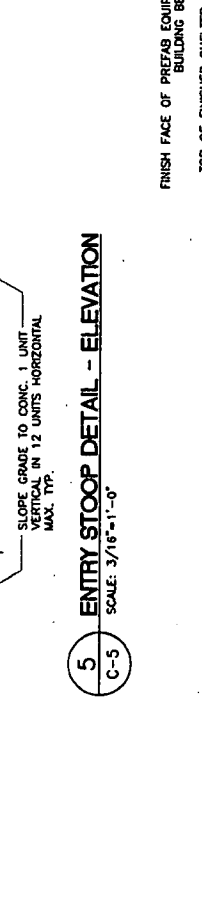
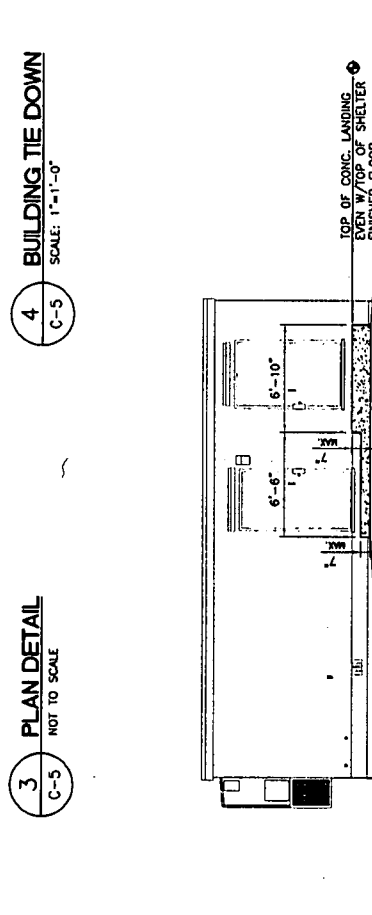
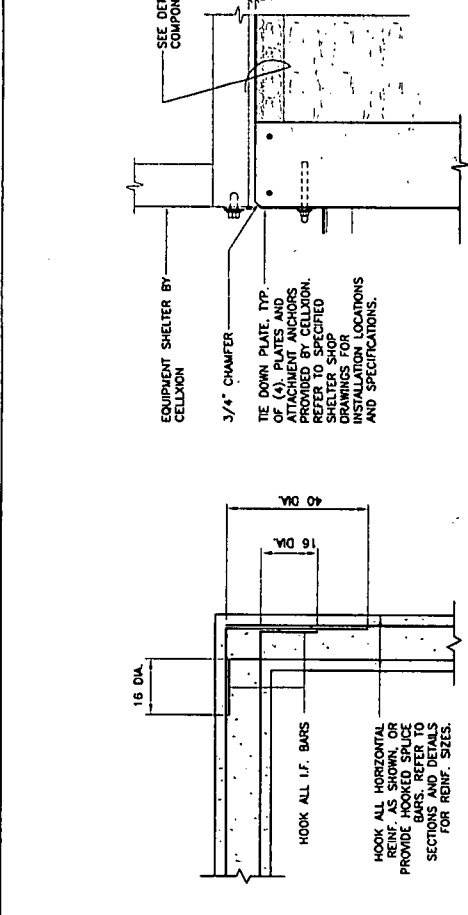
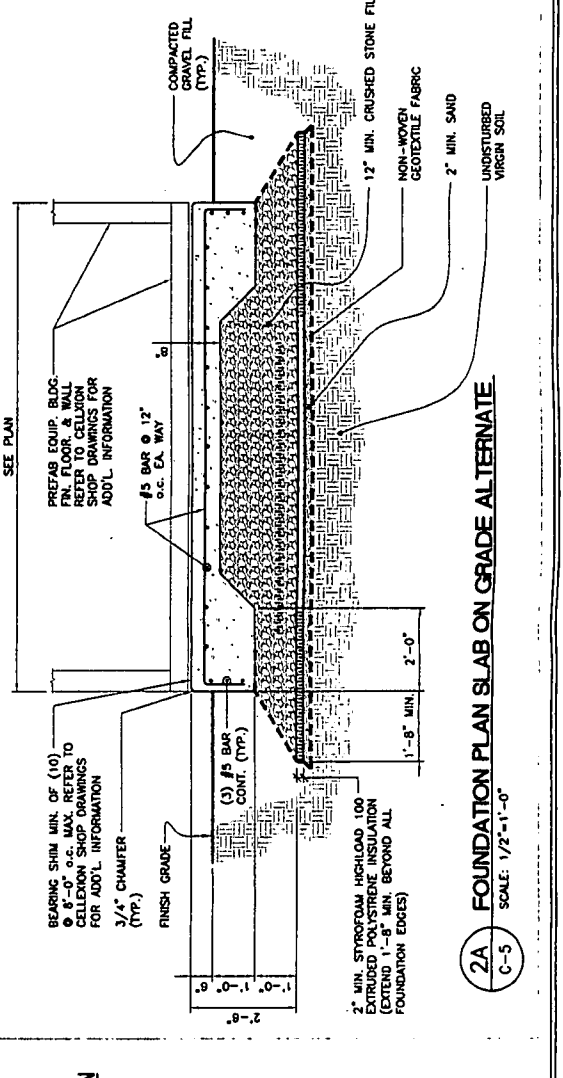
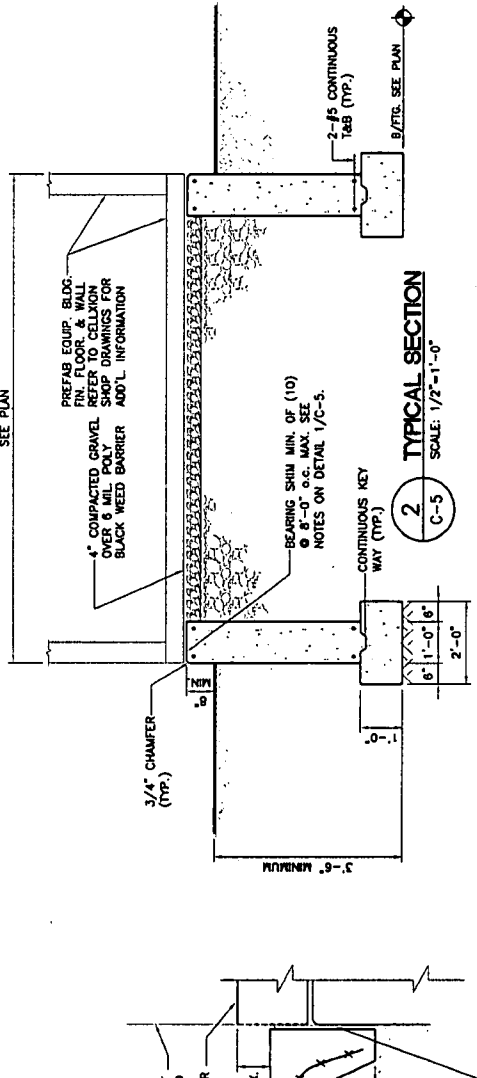
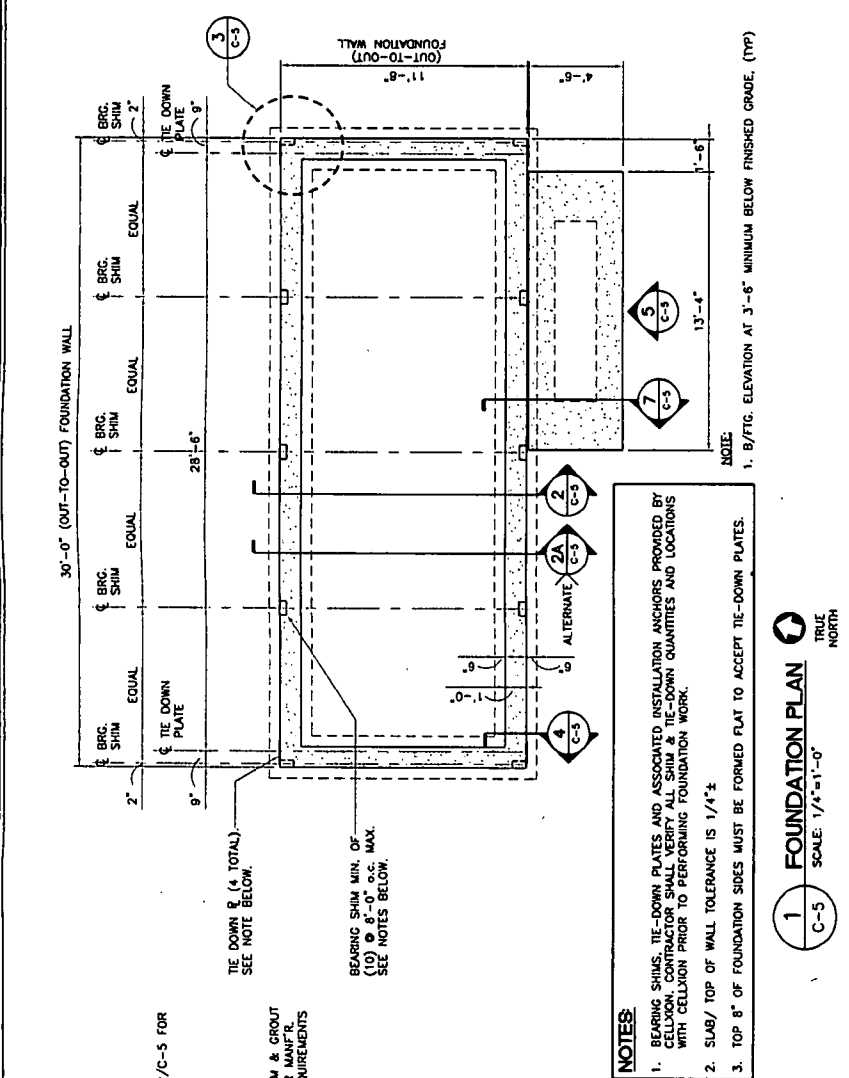
359 LITCHFIELD ROAD  
NEW MILFORD, CT 06776

PROJECT NO:	05106
DRAWN BY:	DMD
CHECKED BY:	CFC
SCALE:	AS NOTED
DATE:	01/04/07

**SHELTER  
FOUNDATION  
DETAILS AND NOTES**

**C-5**  
DWG. 8 OF 8

- FOUNDATION NOTES:**
- IF ANY FIELD CONDITIONS EXIST WHICH PRECLUDE COMPLIANCE WITH THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SHALL NOT PROCEED WITH ANY AFFECTED WORK.
  - DIMENSIONS AND DETAILS SHALL BE CHECKED AGAINST THE PRE MANUFACTURED EQUIPMENT BUILDING SHOP DRAWINGS.
  - THE CONTRACTOR SHALL VERIFY AND CORROBORATE THE SIZE AND LOCATION OF ALL OPENINGS, SLEEVES AND ANCHOR BOLTS AS REQUIRED BY ALL TRADES.
  - REFER TO DRAWING T1 FOR ADDITIONAL NOTES AND REQUIREMENTS.
- SITE NOTES:**
- THE CONTRACTOR SHALL CALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.
  - ACTIVE EXISTING UTILITIES, WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY PRIOR TO ANY PROCEEDING, SHOULD ANY UNCOVERED EXISTING UTILITIES PRECLUDE COMPLETION OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
  - ALL RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED OFF SITE AND BE LEGALLY DISPOSED, AT NO ADDITIONAL COST.
  - THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE EQUIPMENT AND TOWER AREAS.
  - NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND, FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
  - THE SURGRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
  - THE AREAS OF THE COMPOUND DISTURBED BY THE WORK SHALL BE RETURNED TO THEIR ORIGINAL CONDITION.
  - CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, SHALL BE IN ACCORDANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
  - IF ANY FIELD CONDITIONS EXIST WHICH PRECLUDE COMPLIANCE WITH THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SHALL NOT PROCEED WITH ANY AFFECTED WORK UNTIL THE ENGINEER IS SATISFACTORILY RESOLVED.
  - DIMENSIONS AND DETAILS SHALL BE CHECKED AGAINST THE PRE MANUFACTURED EQUIPMENT BUILDING SHOP DRAWINGS.
  - THE CONTRACTOR SHALL VERIFY AND COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS, SLEEVES AND ANCHOR BOLTS AS REQUIRED BY ALL TRADES.
- COMPACTED GRAVEL FILL:**
- COMPACTED GRAVEL FILL SHALL BE FURNISHED AND PLACED AS A FOUNDATION FOR STRUCTURES, WHERE SHOWN ON THE CONTRACT DRAWINGS OR DIRECTED BY THE ENGINEER.
  - GRAVEL SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 14.02.02 OF THE CONNECTICUT D.O.T. STANDARD SPECIFICATIONS. ADMIXTURES AND SURFACE PROTECTIVE MATERIALS USED TO PREVENT THE GRAVEL FROM FREEZING MUST MEET THE APPROVAL OF THE ENGINEER. THE LARGEST STONE SIZE SHALL BE 3-1/2 INCHES.
  - SAMPLES OF THE MATERIAL TO BE USED SHALL BE DELIVERED TO THE JOB SITE 5 DAYS PRIOR TO ITS INTENDED USE SO IT MAY BE TESTED FOR APPROVAL.
  - AFTER ALL EXCAVATION HAS BEEN COMPLETED, GRAVEL SHALL BE DEPOSITED IN LAYERS NOT EXCEEDING EIGHT (8) INCHES IN DEPTH OVER THE AREAS. IN EXCEPTIONAL CASES, THE ENGINEER MAY PERMIT THE FIRST LAYER TO BE THICKER THAN EIGHT (8) INCHES. THE ENTIRE AREA OF EACH LAYER SHALL BE LEVELLED OFF BY SUITABLE EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER APPLICATION OF COMPACTED GRAVEL FILL. COMPACTED GRAVEL SHALL BE CONTINUED UNTIL THE DRY DENSITY OVER THE ENTIRE AREA OF EACH LAYER IS NOT LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY ACHIEVED BY ASTHO T-99 METHOD C. THE MOISTURE CONTENT OF THE GRAVEL SHALL NOT VARY MORE THAN 3% FROM ITS OPTIMUM MOISTURE CONTENT. THE GRAVEL SHALL BE COMPACTED TO THE SPECIFIED COMPACTION IS ACHIEVED FOR THE PREVIOUS LAYER. IF NECESSARY TO OBTAIN THE REQUIRED COMPACTION, WATER SHALL BE ADDED AND GENTLE PULDING PERFORMED. IF AUTHORIZED, COMPACTED GRAVEL FILL SHALL BE PREVENTED FROM BEING DISTURBED BY ANY UNAUTHORIZED OPERATIONS BY APPROVED PROTECTIVE MATERIALS ON THE SURFACE, OR BOTH.
- CONCRETE AND REINFORCING STEEL NOTES:**
- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318.
  - ALL CONCRETE SHALL BE NORMAL WEIGHT, 4% AIR ENTRAINMENT WITH A MAXIMUM SLUMP OF 4", AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
  - REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60. DEFORMED BARS, WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. WELDED STEEL WIRE FABRIC SPACES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD UNLESS OTHERWISE INDICATED.
  - THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS OTHERWISE NOTED ON THE DRAWINGS:  
CONCRETE CAST AGAINST EARTH..... 3 IN.  
CONCRETE EXPOSED TO EARTH OR WEATHER:  
#8 AND LARGER..... 2 IN.  
#5 AND SMALLER & WWF..... 1 1/2 IN.  
CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:  
SLAB AND WALL..... 3/4 IN.  
BEAMS AND COLUMNS..... 1 1/2 IN.
  - ALL EXPOSED EDGES OF CONCRETE TO RECEIVE A 3/4" CHAMFER IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
  - CONCRETE EQUIPMENT PAD TO RECEIVE A BRUSHED FINISH.
  - INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDATION. THE ANCHOR SHALL BE INSTALLED TO THE RECOMMENDED DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT DURING DRILLING WITHOUT PRIOR REVIEW BY THE ENGINEER.



EQUIPMENT SHELTER BY CELLXON. VERIFY ALL SHELTER DIMENSIONS, EQUIPMENT LOCATIONS AND UTILITY OPENINGS WITH BUILDING SHOP DRAWINGS PRIOR TO COMMENCEMENT OF WORK.