

WASHINGTON NORTH - SITE 1

**6 Mountain Road
Washington, 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: WASHINGTON NORTH (SITE 1) – 6 Mountain Road, Washington, CT

GENERAL CELL SITE DESCRIPTION

The proposed cell site would be located within an 80' x 120' leased area in the northerly portion of an approximately 32.07-acre parcel ("Property") owned by H. Ray and Carol A. Underwood at 6 Mountain Road in Washington (the "Site 1 Facility"). The Site 1 Facility would consist of a 150-foot telecommunications tower disguised as a pine tree. Simulated branches will extend an additional seven (7) feet above the top of the tower to an overall height of 157 feet. Cellco antennas would be mounted at the top of the tower with their centerline at the 150 foot level. Cellco's radio equipment and a back-up generator will be located inside a 12' x 30' equipment shelter located near the base of the tower. Vehicle access to the site would extend from Mountain Road over an existing driveway on the property at 16 Mountain Road, then over a new 12-foot wide gravel driveway, a total distance of approximately 1,065 feet, to the site compound. A significant portion of the new gravel access driveway will follow an existing dirt driveway on the Property. Utility service would extend underground from Mountain Road along the proposed access driveway to the cell site.



1,000 500 0 1,000
Feet



Quadrangle Location

Vanasse Hangen Brustlin, Inc.

USGS Topographic Map
Proposed Verizon Wireless
Telecommunications Facility

Two Alternative Site Locations
Site 1 - 6 Mountain Road
Washington, Connecticut
Site 2 - 167 New Milford Turnpike
New Preston, Connecticut

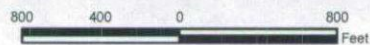




Source: (2005) Digital Aerial Photograph



Quadrangle Location



* Note: Alternative sites are located approximately 0.46 mile apart

Vanasse Hangen Brustlin, Inc.

Aerial Photograph
Proposed Verizon Wireless
Telecommunications Facility

Two Alternative Site Locations
Site 1 - 6 Mountain Road
Washington, Connecticut
Site 2 - 167 New Milford Turnpike
New Preston, Connecticut



SITE EVALUATION REPORT

SITE NAME: WASHINGTON NORTH (SITE 1) – 6 Mountain Road, Washington, CT

I. LOCATION

- A. COORDINATES: 41°-40'-8.93" N 73°-21'-55.02" W
- B. GROUND ELEVATION: Approximately 693± feet AMSL
- C. USGS MAP: New Preston, CT
- D. SITE ADDRESS: 6 Mountain Road, Washington, CT
- E. ZONING WITHIN 1/4 MILE OF SITE: Land within 1/4 mile of the cell site is zoned R-1 Residential and B-3 Marble Dale Business.

II. DESCRIPTION

- A. SITE SIZE: 80' x 120' Leased Compound Area
- B. LESSOR'S PARCEL: Approximately 32.07-acres
- C. TOWER TYPE/HEIGHT: 150' Monopine Tower
153' to top of PCS antennas
157' to top of Simulated Branches
- D. SITE TOPOGRAPHY AND SURFACE: The topography in the area is fairly severe and slopes down from northwest to southeast, through the Underwood Property toward Route 202. Clearing and grading of the leased area and access driveway will be required. The site has been situated so as to minimize, to the extent possible, the clearing of substantial trees.
- E. SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER: The tower is located in a heavily-wooded portion of the Underwood Property. The terrain around the tower site slopes down from northwest to southeast toward Route 202. No wetland areas exist within or near the site compound or the access driveway. The closest wetland or watercourse is a man-made pond located approximately 440 feet south of the Site 1 Facility compound.
- F. LAND USE WITHIN 1/4 MILE OF SITE: The Site 1 Facility is surrounded by undeveloped and agricultural land and low density residential development.

III. FACILITIES

- A. POWER COMPANY: Connecticut Light and Power
- B. POWER PROXIMITY TO SITE: Approximately 1,065 feet to the southwest.
- 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 Mountain Road over a portion of the landowner's existing driveway on the property located at 16 Mountain Road, then over a new 12-foot wide gravel driveway to the site compound a total distance of approximately 1,065 feet. A significant portion of the new gravel access drive will follow an existing dirt driveway on the Underwood Property.
- F. CLEARING AND FILL REQUIRED: Clearing and grading would be required for construction of the tower, site compound and new access drive. Detailed construction plans would be developed after approval of the site by the Siting Council.

IV. LEGAL

- A. PURCHASE [] LEASE [X]
- B. OWNER: H. Ray and Carol A. Underwood
- C. ADDRESS: 6 Mountain Road, New Preston, CT 06777
- D. DEED ON FILE AT: Town of Washington, CT Land Records

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FACILITIES AND EQUIPMENT SPECIFICATION
(NEW TOWER & EQUIPMENT BUILDING)

SITE NAME: WASHINGTON NORTH (SITE 1) – 6 Mountain Road, Washington, CT

I. TOWER SPECIFICATIONS:

- A. MANUFACTURER: To be determined
- B. TYPE: Self-supporting monopole – Tree Tower
- C. TOWER HEIGHT: 150' DIMENSIONS: Approx. 48" base
Approx. 30" top

II. TOWER LOADING:

A. CELLCO EQUIPMENT:

- 1. Antennas (12)
Model – LPA-185080/12CF (71.1" x 4.1" x 5.9) PCS antennas
Antenna Centerline 150' AGL
- 2. GPS Antenna: Mounted on the top of the equipment shelter
- 3. Transmission Lines:
 - a. MFG/Model: Andrews LDF5-50A
 - b. Size: 1 5/8"

III. ENGINEERING ANALYSIS AND CERTIFICATION:

The towers will be designed in accordance with Electronic Industries Association Standard EIA/TIA-222-E "Structural Standards for Steel Antenna Towers and Antenna Support Structures." The foundation designs would be based on soil conditions at the site. Details for the towers and foundation designs will be provided as a part of the final D&M Plan.

ENVIRONMENTAL ASSESSMENT STATEMENT

SITE NAME: WASHINGTON NORTH (SITE 1) – 6 Mountain Road, Washington, 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 facility. There are no lakes, ponds, rivers, streams, wetlands or other regulated bodies of water located in the area to be used for the access drive, tower or equipment building. 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

Clearing and grading of the tower compound and access drive will be required. The remaining land of the Lessor would remain unchanged by the construction and operation of the cell site.

D. NOISE

The equipment to be in operation at the site 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 Washington North 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

WASHINGTON NORTH

" SITE 1"

MOUNTAIN ROAD

NEW PRESTON, CT

REVISIONS	
00	10/2/06 SITING COUNCIL REVIEW
01	01/09/07 CT SITING COUNCIL
02	02/27/07 REVISED CT SITING COUNCIL
03	03/22/07 REVISED CT SITING COUNCIL



WASHINGTON NORTH
(UNDERWOOD PROPERTY)
"SITE 1"
MOUNTAIN ROAD
NEW PRESTON, CT 06777

PROJECT NO:	06068
DRAWN BY:	DMD
CHECKED BY:	CFC
SCALE:	AS NOTED
DATE:	06/19/06

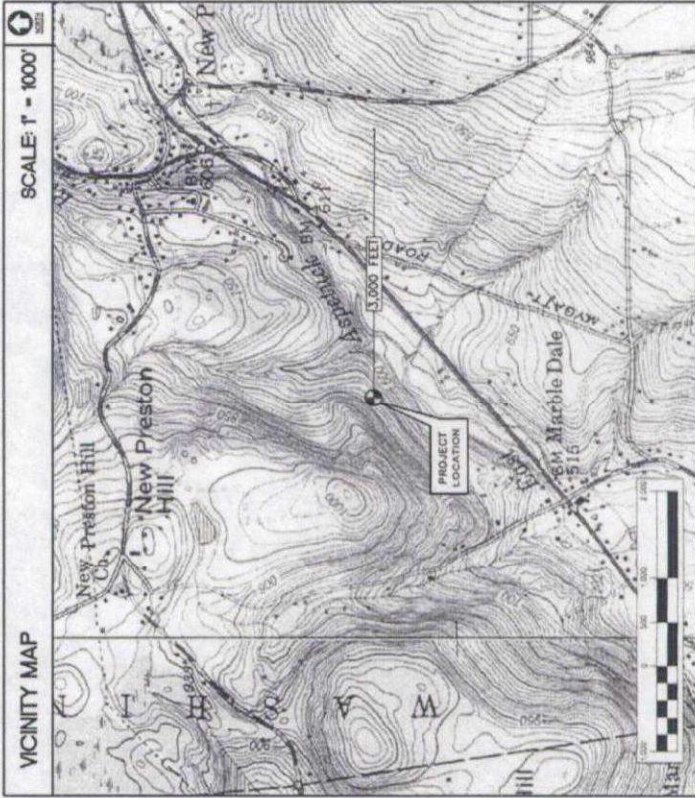
TITLE SHEET

T-1
DWG. 1 OF 8

PROJECT SUMMARY	
SITE NAME:	WASHINGTON NORTH
SITE ADDRESS:	MOUNTAIN ROAD NEW PRESTON, CT 06777
PROPERTY OWNER:	H. RAY & CAROL A. UNDERWOOD P.O. BOX 2427 NEW PRESTON, CT 06777
LEASOR:	H. RAY & CAROL A. UNDERWOOD P.O. BOX 2427 NEW PRESTON, CT 06777
LESSEE:	CELCO PARTNERSHIP 4800 VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT 06108
APPLICANT:	CELCO PARTNERSHIP 4800 VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT 06108
CONTACT PERSON:	SANDY CARTER CELCO PARTNERSHIP (860) 803-8219
TOWER COORDINATES:	LATITUDE: 41°40'08.998" LONGITUDE: 72°57'55.077" GND ELEVATION: 683.72' A.M.S.L. COORDINATES ARE BASED ON FAA 2C CERTIFICATION CONDUCTED BY MARTINEZ COUCH AND ASSOCIATES LLC, DATED NOVEMBER 6, 2006.

LEGEND	
	SECTION OR DETAIL NUMBER SHEET WHERE DETAIL/SECTION OCCURS
	ELEVATION NUMBER SHEET WHERE ELEVATION OCCURS

SHEET INDEX	
SHT. NO.	DESCRIPTION
T-1	TITLE SHEET
C-1	SITE PLAN AND ABUTTERS MAP
C-2	PARTIAL SITE PLAN
C-2A	COMPOUND ELEVATIONS (TOWER OPTIONS)
C-3	EROSION CONTROL DETAILS AND NOTES
C-4	SITE DETAILS
C-5	SITE UTILITY DETAILS AND SHELTER ELEVATIONS
C-6	EQUIP. SHELTER FOUNDATION DETAILS AND NOTES



SITE DIRECTIONS	
FROM: 99 EAST RIVER DRIVE EAST HARTFORD, CONNECTICUT	TO: MOUNTAIN ROAD NEW PRESTON, CONNECTICUT
-START OUT GOING EAST ON EAST RIVER DRIVE TOWARD DARLIN ST.	
-TURN LEFT TO STAY ON EAST RIVER DRIVE	
-TURN LEFT ONTO US-44 W/CONNECTICUT BLVD.	
-TURN LEFT ONTO US-6 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 SPELMAN / CT-4, CONTINUE TO FOLLOW CT-4.	
-CT-4 BECOMES CT-118 / EAST STREET.	
-TURN LEFT ONTO CT-118 / EAST STREET.	
-KEEP RIGHT AT FORK TO CONTINUE ON EAST STREET/CT-118	
-STAY STRAIGHT TO GO ONTO WEST STREET/US-202. CONTINUE ON US-202.	
-TURN SLIGHT RIGHT ONTO US-202/BANTAM RD. CONTINUE ON US-202.	
-TURN LEFT ONTO US-202/LITCHFIELD TPK/WILBUR RD. CONTINUE ON US-202.	
-TURN RIGHT ONTO FINLEY ROAD	
-TURN RIGHT ONTO MOUNTAIN ROAD.	

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

SITE INFORMATION	
THE SCOPE OF WORK SHALL INCLUDE:	
1. THE CONSTRUCTION OF A 35'x65' FENCED WIRELESS COMMUNICATIONS COMPOUND WITHIN A 80'x120' LEASE AREA.	
2. SITE GRADING WILL BE REQUIRED WITHIN LEASE AREA AND ACCESS DRIVE FOR PROPER DRAINAGE. A TOTAL OF TWENTY-FOUR TREES WILL BE REQUIRED TO BE REMOVED TO ACCOMMODATE THE PROPOSED COMPOUND 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 157' MONOPOLE (OR OPTIONAL 150' MONOPOLE) TOWER LOCATED CENTRALLY WITHIN THE PROPOSED COMPOUND.	
4. POWER AND TELCO UTILITIES SHALL BE ROUTED UNDERGROUND FROM EXISTING RESPECTIVE DEMARKS TO THE PROPOSED UTILITY BACKBOARD LOCATED ADJACENT TO THE PROPOSED FENCED COMPOUND. UTILITIES WILL BE ROUTED FROM UTILITY BACKBOARD TO THE PROPOSED COMPOUND. NO UTILITIES SHALL BE LOCATED WITHIN THE PROPOSED COMPOUND. FINAL UTILITY ROUTING TO PROPOSED BACKBOARD 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 2003 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.	

REVISIONS	
00	10/27/06 SITTING COUNCIL REVIEW
01	01/09/07 CT SITTING COUNCIL
02	02/27/07 REVISED CT SITTING COUNCIL
03	03/22/07 REVISED CT SITTING COUNCIL

Cellco Partnership

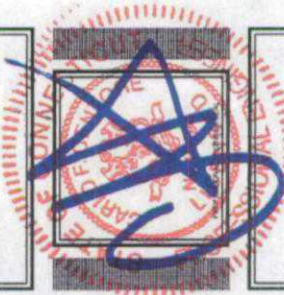
d.b.a. verizonwireless

Natcomm, LLC - Engineering Consultants

63-2 North Bristol Road
Branford, Connecticut 06405

Tel: (203) 448-0500
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www.natcomm.com

Consulting Engineers Project Management
Civil Structural Mechanical Electrical



WASHINGTON NORTH
(UNDERWOOD PROPERTY)

'SITE 1'

MOUNTAIN ROAD
NEW PRESTON, CT 06777

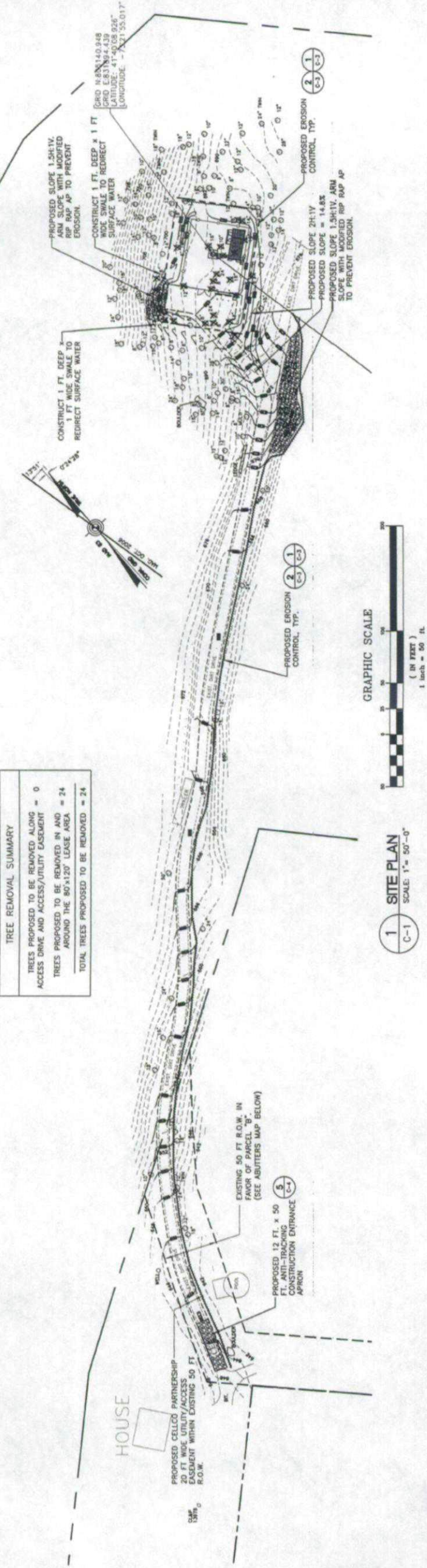
PROJECT NO:	06088
DRAWN BY:	DMD
CHECKED BY:	CFC
SCALE:	AS NOTED
DATE:	08/19/06

SITE PLAN
AND

ABUTTERS MAP

C-1

DWG. 2 OF 8



TREE REMOVAL SUMMARY	
TREES PROPOSED TO BE REMOVED ALONG ACCESS DRIVE AND ACCESS/UTILITY EASEMENT	= 0
TREES PROPOSED TO BE REMOVED IN AND AROUND THE 80'x120' LEASE AREA	= 24
TOTAL TREES PROPOSED TO BE REMOVED	= 24



1

SITE PLAN

C-1

SURVEY NOTES

THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300B-1 THRU 20-300B-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES - "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPT. 26, 1996. THE TOPOGRAPHIC SURVEY PORTION OF THIS PLAN CONFORMS TO A VERTICAL ACCURACY OF CLASS 1-2 AND IS INTENDED TO BE USED TO DEPICT A PROPOSED TELECOMMUNICATION SITE.

THE PROPERTY/BOUNDARY LINES DEPICTED HEREON ARE COMPILED FROM OTHER MAPS, DEEDS AND LIMITED FIELD SURVEY. THESE LINES ARE NOT TO BE CONSTRUED AS A BOUNDARY OPINION AND ARE SUBJECT TO CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE. PROPERTY MAY BE SUBJECT TO ENCUMBRANCES, EASEMENTS, RIGHTS OF WAY AS A TITLE SEARCH REPORT MAY DISCLOSE.

VERTICAL DATUM IS BASED ON NAD 83.

COORDINATES REFER TO NAD 83.

REFERENCE IS MADE TO THE FOLLOWING MAPS ENTITLED:

- 1) "MAP PREPARED FOR HOMER R. AND JACQUELINE J. UNDERWOOD, PLEASANT NEW DRIVE, WASHINGTON, CONNECTICUT" PREPARED BY T. MICHAEL ALEX, SCALE 1"=100', DATED FEBRUARY 1990 AND REVISED TO 10/1/95.
- 2) "ONE LOT SUBDIVISION, MAP PREPARED FOR H. RAY UNDERWOOD, PLEASANT DRIVE AND FINOLAY ROAD, VILLAGE OF MARBLE DALE, WASHINGTON CT.", PREPARED BY T. MICHAEL ALEX, SCALE 1"=40', DATED JANUARY 1995.

PARCEL OWNER OF RECORD: H. RAY & CAROL A. UNDERWOOD, VOL 113 P.552
P.O. BOX 2427
NEW PRESTON CT. 06777-1512

PARCEL AREA = 32.07± ACRES.

PARCEL FIELD SURVEYED ON OCT. 4, 2006.

PARCEL IS IN THE R1 ZONING DISTRICT.

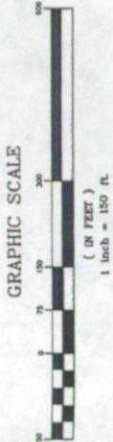
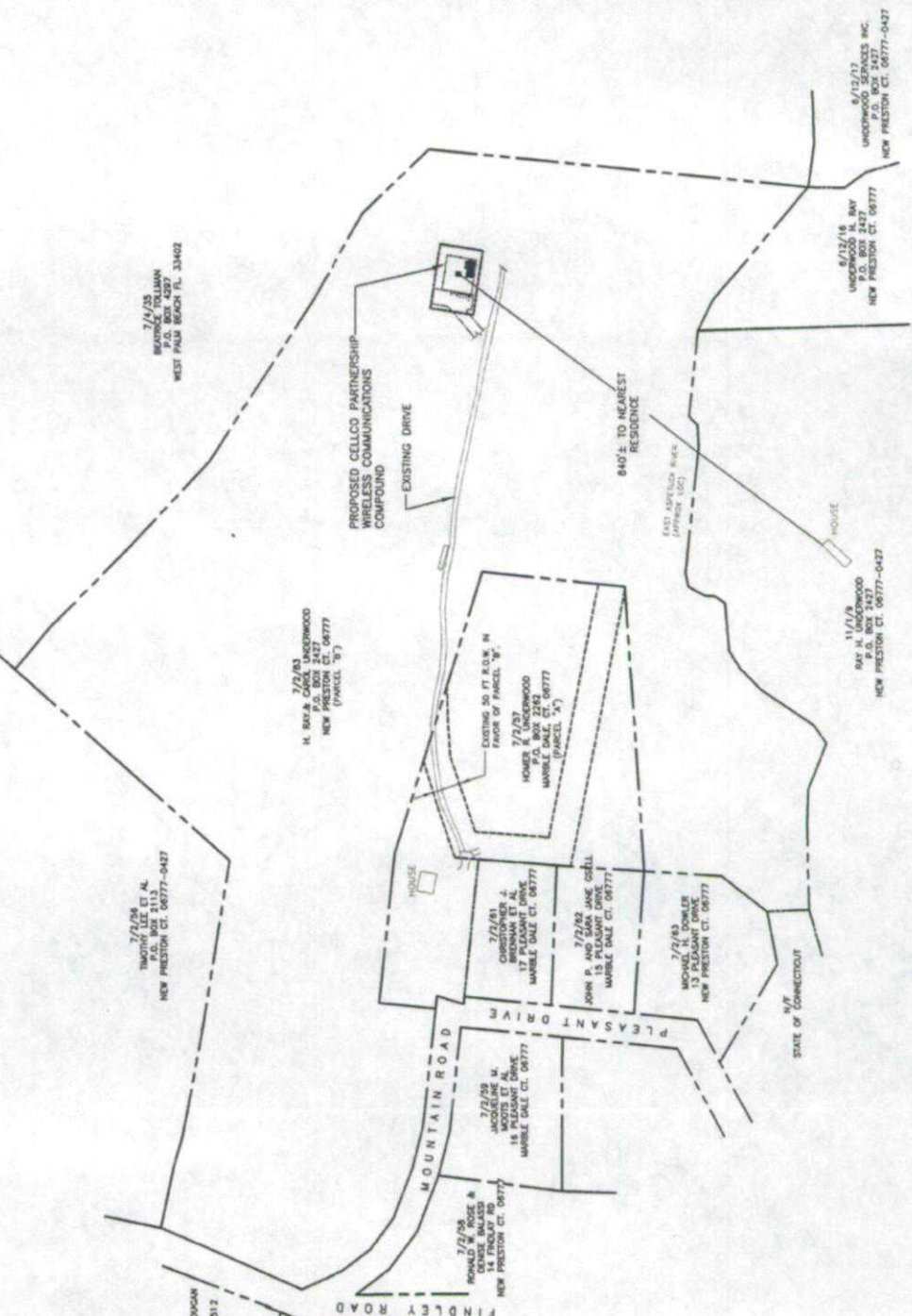
PARCEL ID: MAP 7 BLOCK 2 LOT 63 WASHINGTON ASSESSOR'S MAP.
PARCEL IS IN ZONE X ON THE FLOOD INSURANCE RATE MAP, WASHINGTON, CONNECTICUT, LITCHFIELD COUNTY, PANEL 5 OF 15, COMMUNITY PANEL NUMBER 090057 0005 C, EFFECTIVE DATE JUNE 3, 1988, REVISED TO SEPTEMBER 30, 1992, BY FEDERAL EMERGENCY MANAGEMENT AGENCY.

SYMBOLS		LEGEND	
○	UTILITY POLE	---	PROPERTY LINE
○	DECIDUOUS TREE	---	EASEMENT LINE
○	IRON PIPE	---	CONTOUR LINE
○	CONC MON	---	GRADING LINE
○	EXISTING TREE	---	TREELINE
✕	EXISTING TREE TO BE REMOVED	---	MAP/BLOCK/LOT
△	WETLAND FLAG	---	

TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON
THIS MAP IS NOT VALID WITHOUT A LIFE SIGNATURE AND SEAL

A. RAFAEL MARTINEZ ILS #18833

DATE



2

ABUTTERS MAP

C-1

REVISIONS		
00	10/2/06	SITING COUNCIL REVIEW
01	01/09/07	CT SITING COUNCIL
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03	03/22/07	REVISED CT SITING COUNCIL

Cellco Partnership
d.b.a. verizon wireless



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Engineering Staff: 231 employees

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633 Route 9, Suite 100
New Preston, CT 06855
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Consulting Engineers, Project Managers
Civil, Structural, Mechanical, Electrical

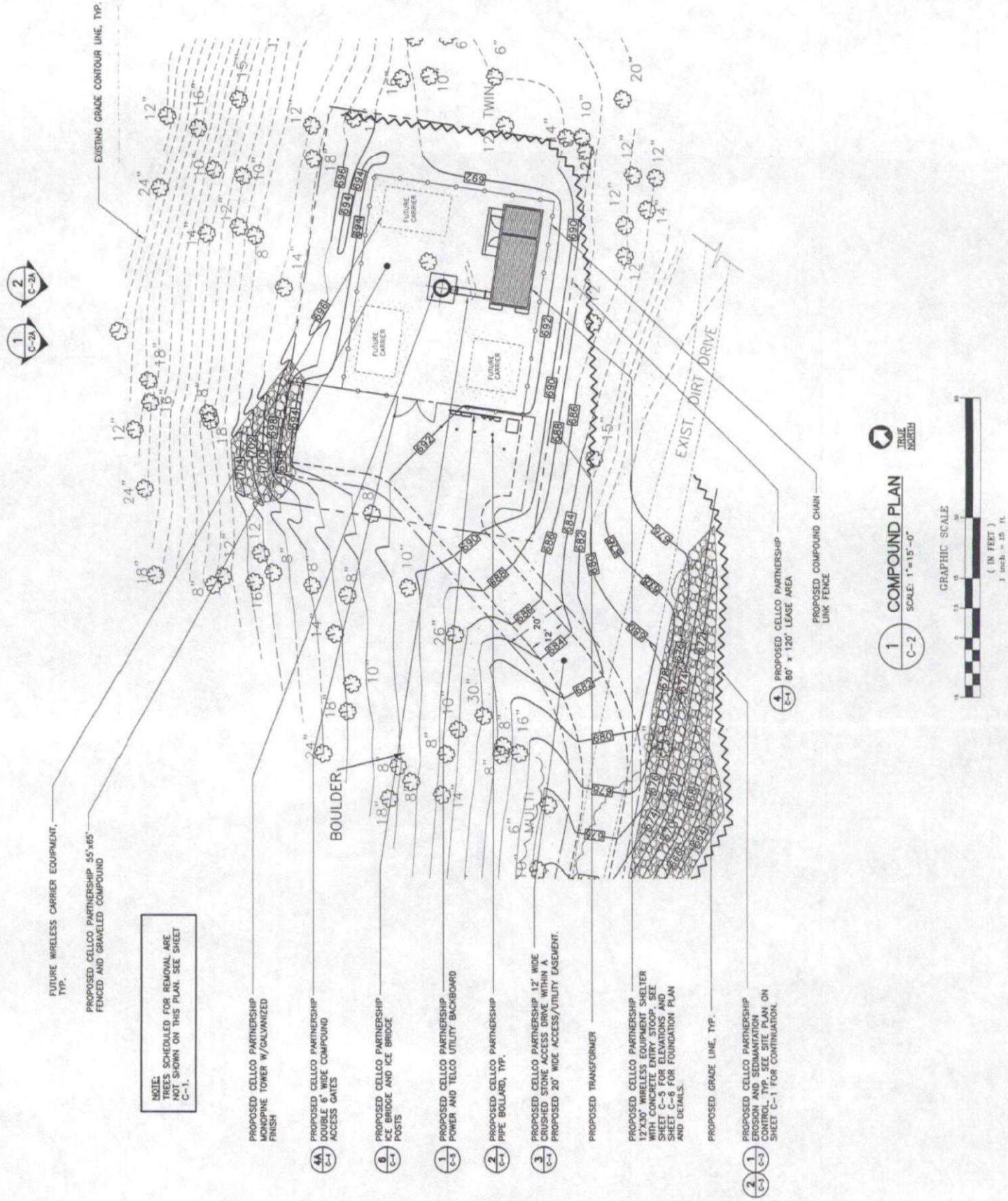


WASHINGTON NORTH
(UNDERWOOD PROPERTY)
"SITE 1"
MOUNTAIN ROAD
NEW PRESTON, CT 06877

PROJECT NO.	06068
DRAWN BY:	DMD
CHECKED BY:	CFC
SCALE:	AS NOTED
DATE:	06/19/06

PARTIAL
SITE PLAN

C-2
DWG. 3 OF 8



REVISIONS	
00	10/21/06 SITING COUNCIL REVIEW
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03	03/22/07 REVISED CT SITING COUNCIL

Cellco Partnership

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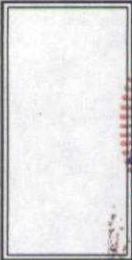
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NATCOMM

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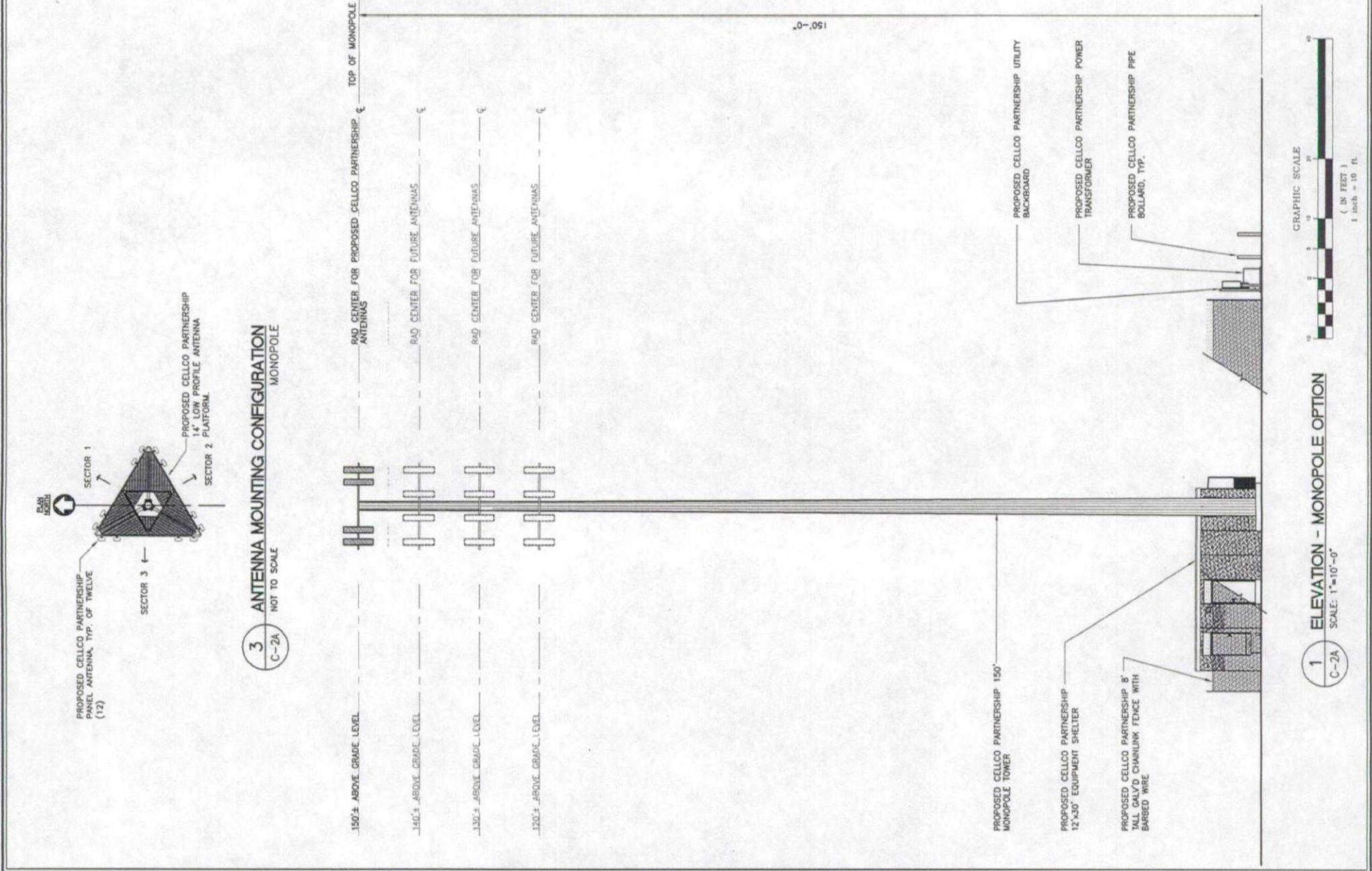
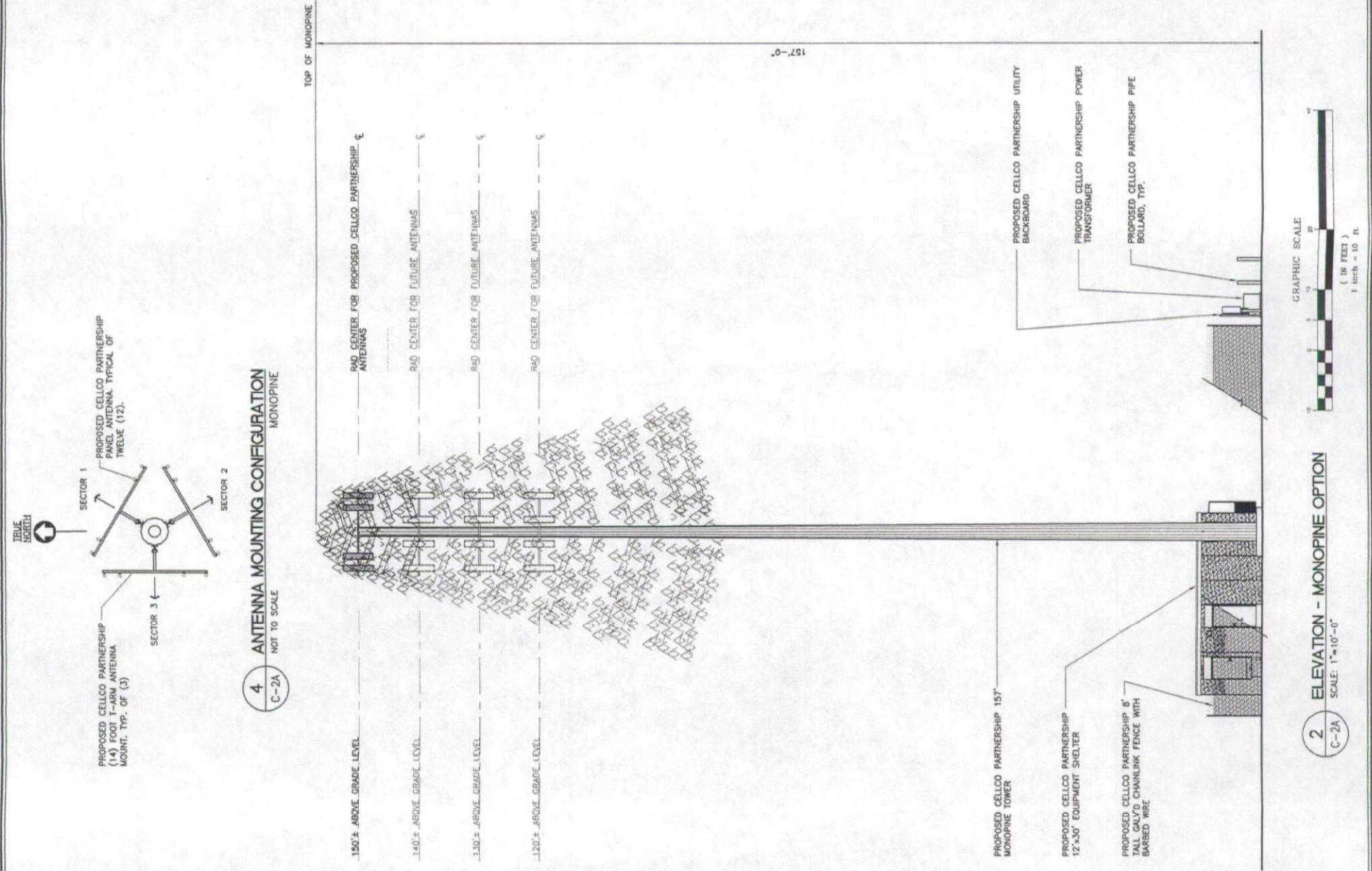
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(UNDERWOOD PROPERTY)
"SITE 1"
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NEW PRESTON, CT 06777

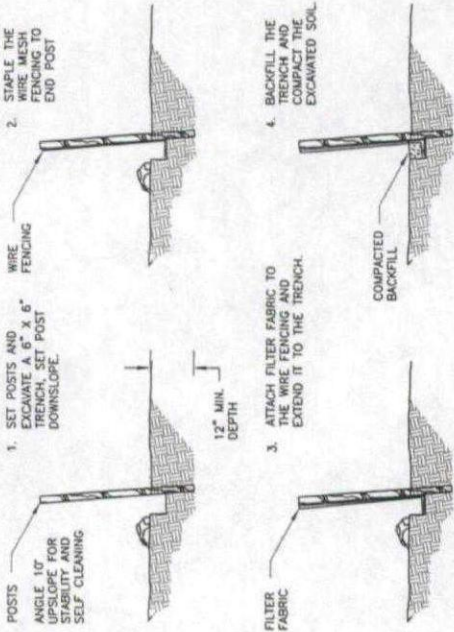
PROJECT NO:	06068
DRAWN BY:	DMD
CHECKED BY:	CFC
SCALE:	AS NOTED
DATE:	08/19/06

COMPOUND
ELEVATIONS
(TOWER OPTIONS)

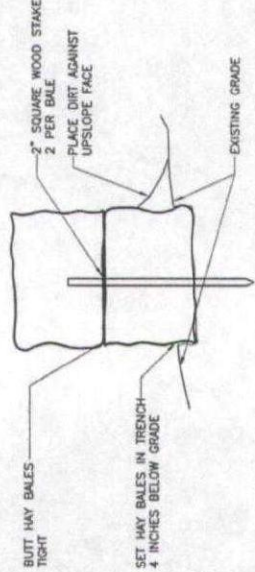
C-2A

DWG. 4 OF 8





1 SEDIMENTATION CONTROL BARRIER-SILT FENCE
C-3
NOT TO SCALE



NOTE: A SECOND HAYBALE MAY BE REQUIRED WHERE SLOPE OR HEIGHT REQUIRES IT.

2 SECTION THRU HAYBALE EROSION CONTROL BARRIER
C-3
NOT TO SCALE

EROSION CONTROL

GENERAL CONSTRUCTION SEQUENCE

THIS IS A GENERAL CONSTRUCTION SEQUENCE OUTLINE SOME ITEMS OF WHICH MAY NOT APPLY TO PARTICULAR SITES.

- 1) CUT AND STUMP AREAS OF PROPOSED CONSTRUCTION.
- 2) INSTALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES AS REQUIRED.
- 3) REMOVE AND STOCKPILE TOPSOIL. STOCKPILE SHALL BE SEED TO PREVENT EROSION.
- 4) CONSTRUCT CLOSED DRAINAGE SYSTEM. PRECEPT CULVERT INLETS AND CATCH BASINS WITH SEDIMENTATION BARRIERS.
- 5) CONSTRUCT ROADWAYS AND PERFORM SITE GRADING, PLACING HAY BALES AND SITUATION FENCES AS REQUIRED TO CONTROL SOIL EROSION.
- 6) INSTALL UNDERGROUND UTILITIES.
- 7) BEGIN TEMPORARY AND PERMANENT SEEDING AND MULCHING. TEMPORARY MULCHING SHOULD BE SEED OR MULCHED IMMEDIATELY AFTER THEIR CONSTRUCTION. NO AREA SHALL BE LEFT UNSTABILIZED FOR A TIME PERIOD OF MORE THAN 30 DAYS.
- 8) DAILY, OR AS REQUIRED, CONSTRUCT, INSPECT AND, IF NECESSARY, RECONSTRUCT TEMPORARY BERMS, DRAINS, DITCHES, SILT FENCES AND SEDIMENT TRAPS INCLUDING MULCHING AND SEEDING.
- 9) BEGIN EXCAVATION FOR AND CONSTRUCTION OF TOWERS AND PLATFORMS.
- 10) FINISH PAVING ALL ROADWAYS, DRIVES, AND PARKING AREAS.
- 11) COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- 12) NO FLOW SHALL BE DIVERTED TO ANY WETLANDS UNTIL A HEALTHY STAND OF GRASS HAS BEEN ESTABLISHED IN RECLAIMED AREAS.
- 13) AFTER GRASS HAS BEEN FULLY GERMINATED IN ALL SEEDED AREAS, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.

CONSTRUCTION SPECIFICATIONS - SILT FENCE

- 1) THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR SILT FENCES.
- 2) THE FABRIC SHALL BE EMBEDDED A MINIMUM OF 8 INCHES INTO THE GROUND AND THE SOIL COMPACTED OVER THE EMBEDDED FABRIC.
- 3) WOVEN WIRE FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES OR STAPLES.
- 4) FILTER CLOTH SHALL BE FASTENED SECURELY TO THE WOVEN WIRE FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP, MID-SECTION AND BOTTOM.
- 5) WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED.
- 6) FENCE POSTS SHALL BE A MINIMUM OF 36 INCHES LONG AND DRIVEN A MINIMUM 18 INCHES INTO THE GROUND. WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD AND SHALL HAVE A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQUARE INCHES.
- 7) MAINTENANCE SHALL BE PERFORMED AS NEEDED TO PREVENT BUILD UP IN THE SILT FENCE DUE TO DEPOSITION OF SEDIMENT.

MAINTENANCE - SILT FENCE

- 1) SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL EVENT. ANY DAMAGE TO THE FENCE OR SEDIMENT DEPOSITION THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
- 2) IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
- 3) SEDIMENT SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACHED APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
- 4) SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

TEMPORARY EROSION CONTROL MEASURES:

- 1) DISTURBED AREAS SHALL BE KEPT TO THE MINIMUM AREA NECESSARY TO CONSTRUCT THE ROADWAYS AND ASSOCIATED DRAINAGE FACILITIES.
- 2) HAY BALE BARRIERS AND SEDIMENT TRAPS SHALL BE INSTALLED AS REQUIRED. BARRIERS AND TRAPS ARE TO BE MAINTAINED AND CLEANED UNTIL ALL SLOPES HAVE A HEALTHY STAND OF GRASS.
- 3) Baled HAY AND MULCH SHALL BE MOWING OF ACCEPTABLE LENGTH. MULCHING SHALL BE DONE WITH MACHINES WITHOUT WEEDS OR WOODY STEMS, AND SHALL BE DRY. NO SALT HAY SHALL BE USED.
- 4) FILL MATERIAL SHALL BE FREE FROM STUMPS, WOOD, ROOTS, ETC.
- 5) STOCKPILED MATERIALS SHALL BE PLACED ONLY IN AREAS SHOWN ON THE PLANS. STOCKPILES SHALL BE PROTECTED BY SILTATION FENCE AND SEED TO PREVENT EROSION. THESE MEASURES SHALL REMAIN UNTIL ALL MATERIAL HAS BEEN PLACED OR DISPOSED OFF SITE.
- 6) ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDDED. A MINIMUM OF 4 INCHES OF LOAM SHALL BE INSTALLED WITH NOT LESS THAN ONE POUND OF SEED PER 50 SQUARE YARDS OF AREA.
- 7) APPLICATION OF GRASS SEED, FERTILIZERS AND MULCH SHALL BE ACCOMPLISHED BY BROADCAST SEEDING OR HYDROSEEDING AT THE RATES OUTLINED BELOW:
LIMESTONE- 75-100 LBS./1,000 SQUARE FEET.
FERTILIZER- RATE RECOMMENDED BY MANUFACTURER.
MULCH- HAY MULCH APPROXIMATELY 3 TONS/ACRE UNLESS EROSION CONTROL MATTING IS USED.

SEED MIX (SLOPES LESS THAN 4:1)
CHEEPPING RED RESCUE 20
TALL RED RESCUE 20
RED TOP 42

SLOPE MIX (SLOPES GREATER THAN 4:1)
CHEEPPING RED RESCUE 20
TALL RED RESCUE 20
BIRDS FOOT TREE FOL 48

- 8) AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED THE TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED.
- 9) PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
- 10) ALL CATCH BASIN INLETS WILL BE PROTECTED WITH LOW POINT SEDIMENTATION BARRIER.
- 11) ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED AND CLEANED AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
- 12) ALL DOWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA.
- 13) NO DISCHARGE SHALL BE DIRECTED TOWARDS ANY PROPOSED DITCHES, SWALES, OR PONDUS UNTIL THEY HAVE BEEN PROPERLY STABILIZED.

CONSTRUCTION SPECIFICATIONS - STRAW OR HAY BALES

- 1) BALES SHALL BE PLACED IN A ROW WITH THE ENDS TIGHTLY ADJOINING.
- 2) EACH BALE SHALL BE EMBEDDED IN THE GROUND A MINIMUM OF 4 INCHES.
- 3) BALES SHALL BE ANCHORED IN PLACE BY AT LEAST TWO STAKES DRIVEN THROUGH THE BALE. THE STAKES SHALL BE DRIVEN AT LEAST 18 INCHES INTO THE GROUND.
- 4) BARRIERS SHALL BE INSPECTED AFTER EVERY RAINFALL AND PROMPTLY REPAIRED FOR REPLACEMENT AS NECESSARY.
- 5) BALES SHALL BE REMOVED WHEN NO LONGER NEEDED AND THE SEDIMENT COLLECTED SHALL BE DISPOSED OF PROPERLY.

MAINTENANCE - STRAW OR HAY BALES

- 1) STRAW OR HAY BALES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
- 2) CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES. MULCHING OCCURTING BENEATH THE BALES, AND FLOW AROUND THE END OF THE BALES.
- 3) NECESSARY REPAIRS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY.
- 4) SEDIMENT DEPOSITS SHOULD BE CHECKED AFTER EACH RAINFALL. THE DEPOSITS SHOULD BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF OF THE HEIGHT OF THE TABLE.
- 5) SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE BARRIER HAS BEEN DISMANTLED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED USING

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00	10/2/06 SITING COUNCIL-REVIEW
01	01/09/07 CT SITING COUNCIL
02	02/27/07 REVISED CT SITING COUNCIL
03	03/22/07 REVISED CT SITING COUNCIL

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Civil Structural Mechanical Electrical



WASHINGTON NORTH
(UNDERWOOD PROPERTY)
"SITE 1"
MOUNTAIN ROAD
NEW PRESTON, CT 06777

PROJECT NO:	06068
DRAWN BY:	DMD
CHECKED BY:	CFC
SCALE:	AS NOTED
DATE:	06/19/06

EROSION CONTROL
DETAILS
AND NOTES

REVISIONS	
00	10/27/06 SITING COUNCIL REVIEW
01	01/09/07 CT SITING COUNCIL
02	02/27/07 REVISED CT SITING COUNCIL
03	03/22/07 REVISED CT SITING COUNCIL

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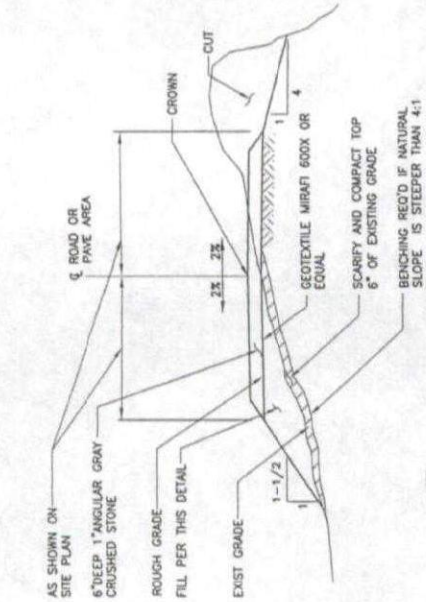
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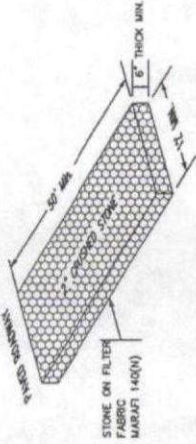
SITE
DETAILS

C-4

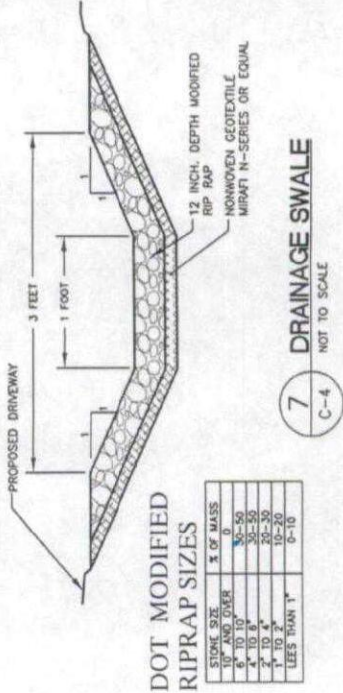
DWG. 6 OF 8



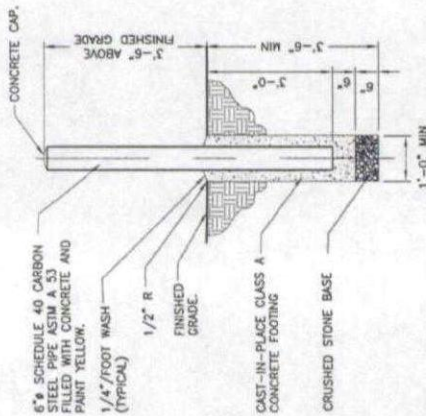
3 ACCESS DRIVE DETAIL
C-4 NOT TO SCALE



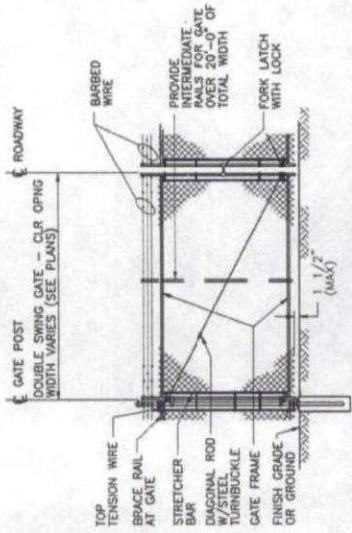
5 ANTI-TRACKING APRON
C-4 NOT TO SCALE



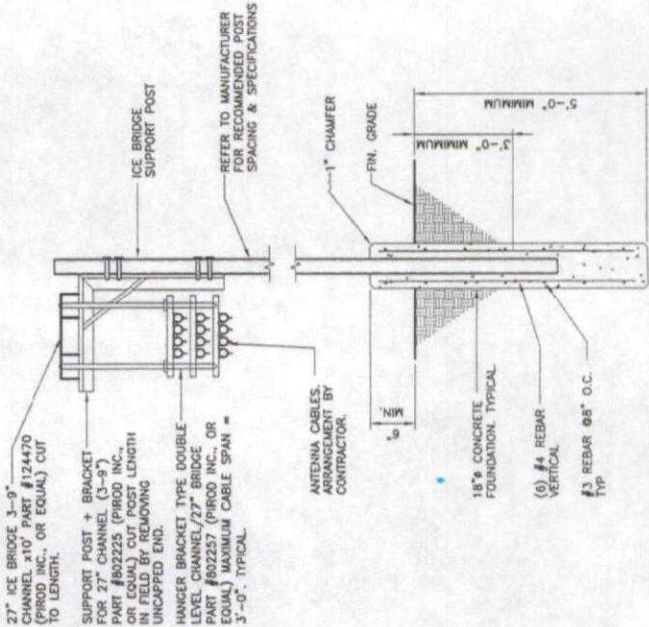
7 DRAINAGE SWALE
C-4 NOT TO SCALE



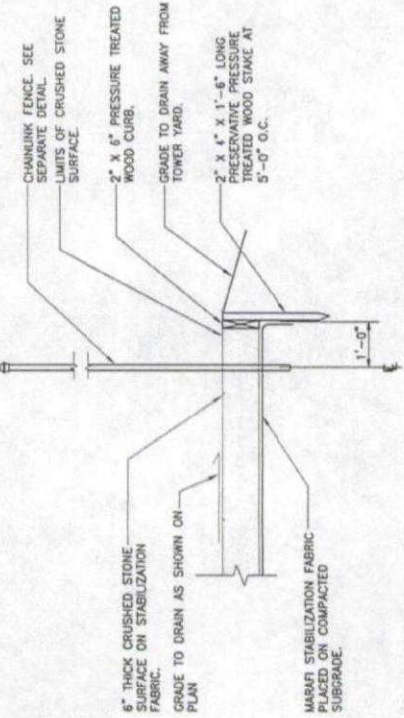
2 BOLLARD DETAIL
C-4 NOT TO SCALE



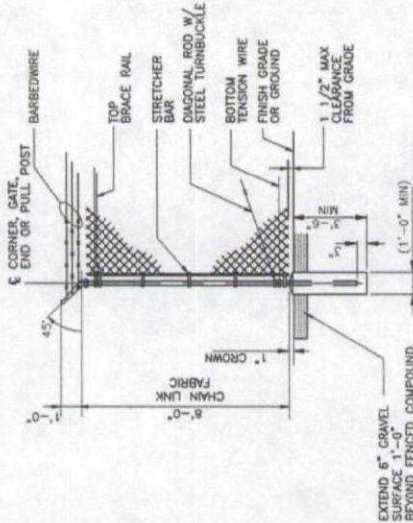
4A WOVEN WIRE SWING GATE-DOUBLE
C-4 NOT TO SCALE



6 ICE BRIDGE DETAIL
C-4 NOT TO SCALE



1 COMPOUND SURFACING DETAIL
C-4 NOT TO SCALE



4 WOVEN WIRE FENCE DETAIL
C-4 NOT TO SCALE

WOVEN WIRE FENCE NOTES

1. GATE POST, CORNER, TERMINAL OR PULL POST 2 1/2" # SCHEDULE 40 FOR GATE WIDTHS UP THRU 6 FEET OR 12 FEET FOR DOUBLE SWING GATE PER ASTM-F1083.
2. LINE POST: 2" # SCHEDULE 40 PIPE PER ASTM-F1083.
3. GATE FRAME: 1 1/2" # SCHEDULE 40 PIPE PER ASTM-F1083.
4. TOP RAIL & BRACE RAIL: 1 1/2" # SCHEDULE 40 PIPE PER ASTM-F1083.
5. FABRIC: 12 GA. CORE WIRE SIZE 2" MESH, CONFORMING TO ASTM-A392.
6. TIE WIRE: MINIMUM 11 GA. GALVANIZED STEEL AT POSTS AND RAILS A SINGLE WRAP OF FABRIC TIE AND AT TENSION WIRE BY WIG RINGS SPACED MAX. 24" INTERVALS.
7. TENSION WIRE: 7 GA. GALVANIZED STEEL.
8. BARBED WIRE: DOUBLE STRAND 12-1 1/2" O.D. TWISTED WIRE TO MATCH W/F/FABRIC 14 GA., 4 PT. BARBS SPACED ON APPROXIMATELY 5" CENTERS.
9. GATE LATCH: DROP DOWN LOCKABLE FORK LATCH AND LOCK, KEYED ALIKE FOR ALL SITES IN A GIVEN MTA.
10. LOCAL ORDNANCE OF BARBED WIRE PERMIT REQUIREMENT SHALL BE COMPLIED WITH IF REQUIRED.
11. HEIGHT = 6' VERTICAL + 1' BARBED WIRE VERTICAL DIMENSION.

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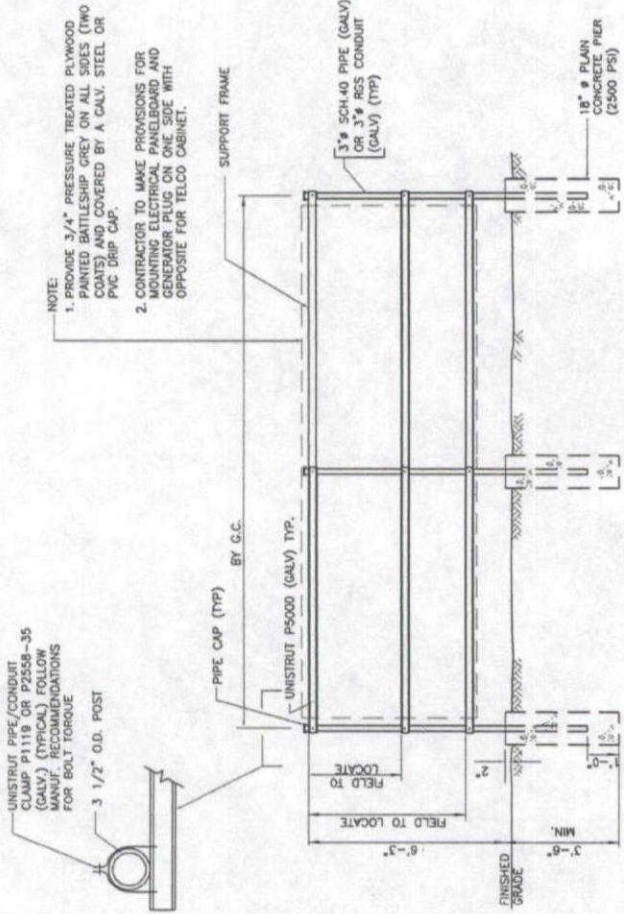
NATCOMM

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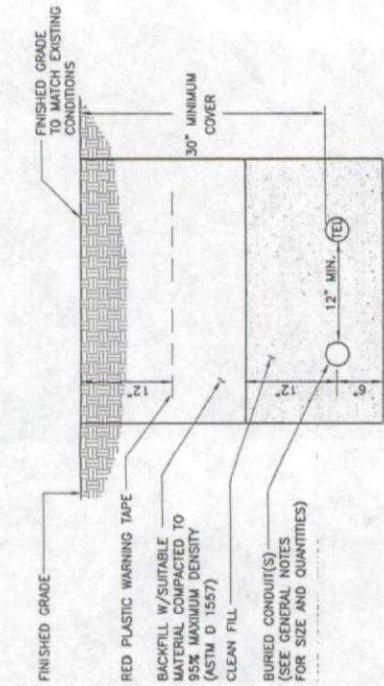
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SITE UTILITY
DETAILS AND
SHELTER ELEVATIONS

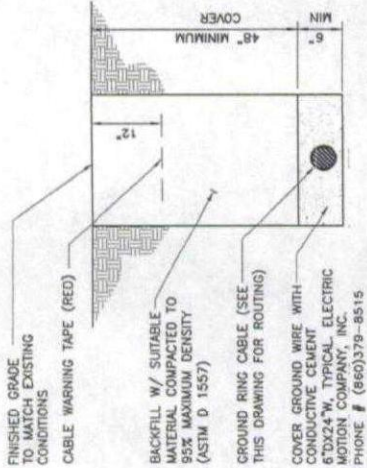


1 UTILITY SUPPORT FRAME (TYP)
C-5 NOT TO SCALE



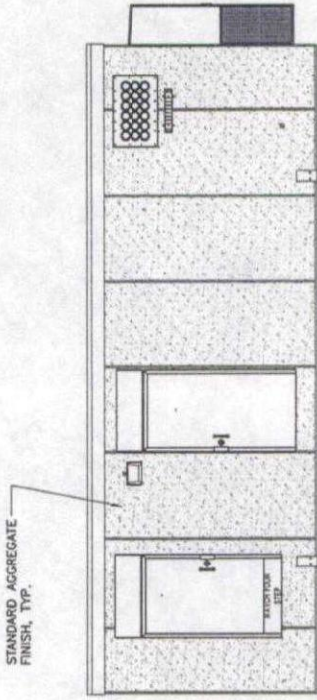
2 TYPICAL ELECTRICAL/TEL TRENCH DETAIL
C-5 NOT TO SCALE

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

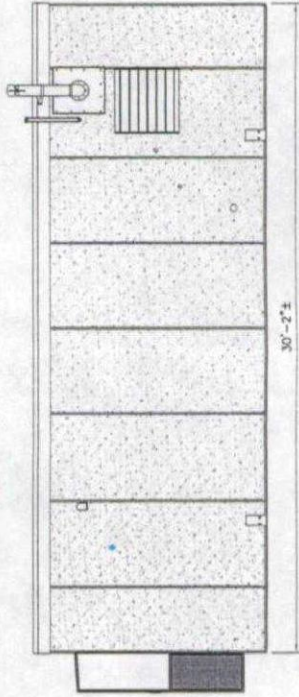


3 TYPICAL BURIAL GROUND CABLE DETAIL
C-5 NOT TO SCALE

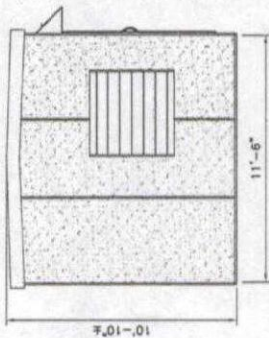
NOTES:
1. BACK FILL SHALL NOT CONTAIN ASHES, CINDERS, SHELLS, FROZEN MATERIAL, LOOSE DEBRIS OR STONES LARGER THAN 2" IN MAXIMUM DIMENSION.
2. WHERE EXISTING UTILITIES ARE LIKELY TO BE ENCOUNTERED, CONTRACTOR SHALL HAND DIG AND PROTECT EXISTING UTILITIES.



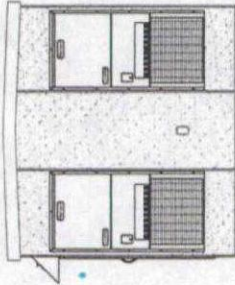
5 NORTH SHELTER ELEVATION
C-5 SCALE: 1/4" = 1'-0"



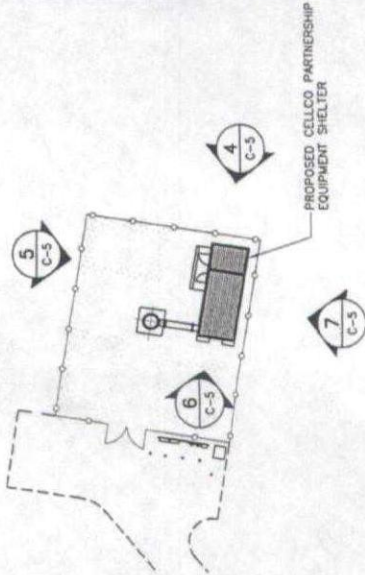
7 SOUTH SHELTER ELEVATION
C-5 SCALE: 1/4" = 1'-0"



4 EAST SHELTER ELEVATION
C-5 SCALE: 1/4" = 1'-0"



6 WEST SHELTER ELEVATION
C-5 SCALE: 1/4" = 1'-0"



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EQUIP. SHELTER
FOUNDATION
DETAILS AND NOTES

C-6
DWG. 8 OF 8

1. 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.
2. DIMENSIONS AND DETAILS SHALL BE CHECKED AGAINST THE PRE MANUFACTURED EQUIPMENT BUILDING SHOP DRAWINGS.
3. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS, SLEEVES AND ANCHOR BOLTS AS REQUIRED BY ALL TRADES.
4. REFER TO DRAWING T1 FOR ADDITIONAL NOTES AND REQUIREMENTS.

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1. COMPACTED GRAVEL FILL SHALL BE FURNISHED AND PLACED AS A FOUNDATION FOR STRUCTURES, WHERE SHOWN ON THE CONTRACT DRAWINGS OR DIRECTED BY THE ENGINEER.
2. GRAVEL SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE M.02.02 OF THE 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.

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2. GRAVEL SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE M-2.02 OF THE STANDARD SPECIFICATIONS. ADVERTISEMENTS 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.
3. 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.

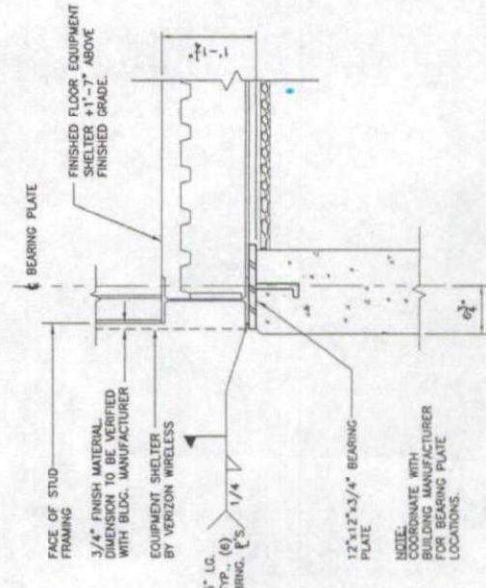
3 SECTION
C-6 SCALE: 3/4" = 1'-0"



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



5 BUILDING TIE DOWN
C-6 SCALE: 1"=1'-0"



6 FOUNDATION OVER LEDGE (TYPICAL)
SCALE: 3/4"=1'-0"

DWG. 8 OF 8