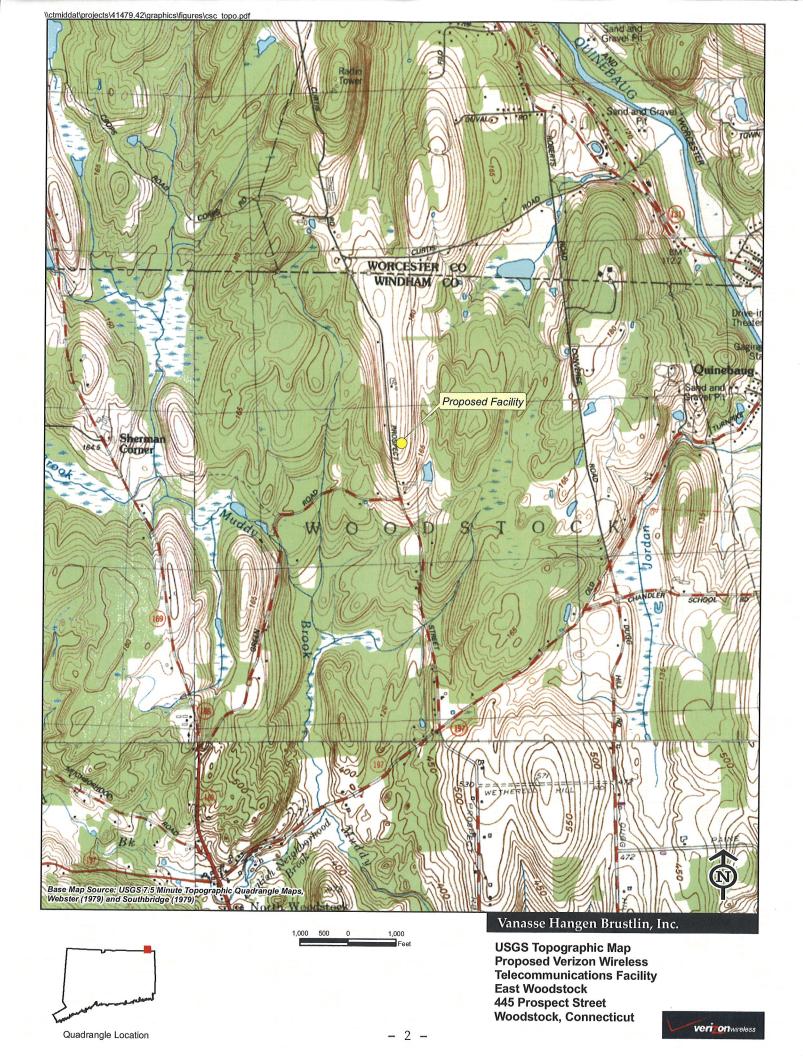
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SITE NAME: <u>EAST WOODSTOCK – 445 Prospect Street</u>, Woodstock, CT

### GENERAL CELL SITE DESCRIPTION

The proposed cell site would be located within a 50' x 75' fenced compound within an 100' x 100' leased area in the northwest portion of an approximately 44 acre parcel ("Property") owned by Frederick C., Barbara P., Frederick C. Jr. and Kimberly Rich. The Property is located on the east side of Prospect Street in the East Woodstock area (the "East Woodstock Facility"). The East Woodstock Facility would consist of a 130-foot telecommunications tower and a 12' x 30' equipment shelter located near the base of the tower. Cellco antennas would be mounted at the top of the tower with their centerline at the 130-foot level. The top of the Cellco antennas would extend above the top of the tower to a height of approximately 134 feet above ground level. Vehicular access to the site would extend from Prospect Street to the site compound, a total distance of approximately 345 feet. Utility service would extend underground from Prospect Street to the cell site.





### SITE EVALUATION REPORT

SITE NAME: EAST WOODSTOCK – 445 Prospect Street, Woodstock, CT

### I. LOCATION

- A. COORDINATES: 42°-01'-00.78" N 71°-59'-01.13" W
- B. GROUND ELEVATION: Approximately 612± feet AMSL
- C. USGS MAP: Eastford, CT
- D. <u>SITE ADDRESS</u>: 445 Prospect Street, Woodstock, CT
- E. <u>ZONING WITHIN 1/4 MILE OF SITE</u>: Land within 1/4 mile of the cell site is in the Community District zone designation.

### II. DESCRIPTION

- A. <u>SITE SIZE</u>: 100' x 100' Leased Area 50' x 75' Fenced Compound
- B. LESSOR'S PARCEL: Approximately 44 acres
- C. <u>TOWER TYPE/HEIGHT</u>: 130' Monopole Tower 134' Top of Antennas
- D. <u>SITE TOPOGRAPHY AND SURFACE</u>: Topography in the area of the site is generally flat. Clearing and grading of the leased area, site compound and access driveway will be minimal. No tree clearing will be required to construct the cell site.
- E. <u>SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER</u>: The tower is located in the northwest corner of a 44 acre parcel used for agricultural purposes. Land to the east, south and west slopes down generally within surrounding farm land and pasture areas. A forested wetland area exists more than 400 feet to the east of the East Woodstock Facility.
- F. <u>LAND USE WITHIN 1/4 MILE OF SITE</u>: The East Woodstock Facility is located on a 44 acre active agricultural parcel. The property is surrounded by low density residential and agricultural land uses along Prospect Street. (See Aerial Photograph at p. 3).

### III. FACILITIES

- A. <u>POWER COMPANY</u>: Connecticut Light and Power
- B. <u>POWER PROXIMITY TO SITE</u>: Approximately 345 feet to the west of the cell site.
- C. TELEPHONE COMPANY: AT&T
- D. PHONE SERVICE PROXIMITY: Same as power
- E. <u>VEHICLE ACCESS TO SITE</u>: Vehicle access to the site would extend from Prospect Street over a new 12-foot wide gravel driveway to the site compound a total distance of approximately 345 feet.
- F. <u>CLEARING AND FILL REQUIRED</u>: No tree clearing and minimal grading would be required for construction of the tower, site compound and access drive. Detailed construction plans would be developed after approval by the Siting Council.

### IV. <u>LEGAL</u>

- A. PURCHASE [] LEASE [X]
- B. OWNER: Frederick C., Barbara P., Frederick C. Jr. and Kimberly Rich
- C. ADDRESS: 445 Prospect Street, Woodstock, CT 06281
- D. DEED ON FILE AT: Town of Woodstock, CT Land Records

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# FACILITIES AND EQUIPMENT SPECIFICATION (NEW TOWER & EQUIPMENT BUILDING)

SITE NAME: EAST WOODSTOCK – 445 Prospect Street, Woodstock, CT

### I. TOWER SPECIFICATIONS:

A. MANUFACTURER: To be determined

B. TYPE: Self-supporting monopole

C. TOWER HEIGHT: 130' DIMENSIONS: Approx. 55" base

Approx. 30" top

### II. TOWER LOADING:

### A. CELLCO EQUIPMENT:

Antennas (15)
 Six (6) Model LPA 80063/8CF Cellular
 Six (6) Model LPA 18563/12CF PCS antennas
 Three (3) Model BXA 70063/6CF LTE antennas
 Antenna Centerline 130' 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-F "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: <u>EAST WOODSTOCK – 445 Prospect Street</u>, Woodstock, 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 shelter. The equipment used will not discharge any pollutants to area surface or groundwater systems. The closest wetland area is located more than 400 feet to the east of the Facility compound.

### 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

No clearing and minimal 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. <u>POWER DENSITY</u>

The worst-case calculation of power density for Cellco's cellular, PCS and LTE antennas at the East Woodstock Facility would be 27.38% of the Standard.

## F. <u>VISIBILITY</u>

See Visual Resource Evaluation Report included as Attachment 10.

# Cellco Partnership

d.b.a. **Verizon** wireless
WIRELESS COMMUNICATIONS FACILITY

EAST WOODSTOCK
445 PROSPECT STREET
WOODSTOCK, CT 06281

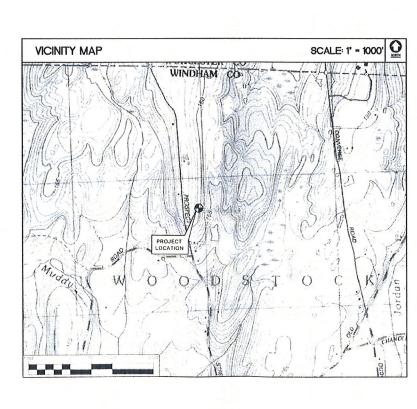
SITE DIRE	TE DIRECTIONS				
FROM:	99 EAST RIVER DRIVE EAST HARTFORD, CONNECTICUT	TO:	445 PROSPECT STREET WOODSTOCK, CT 06281	ud Dusci	
2. Merge onto I-84 3. Take the CT-194. Turn RIGHT onto 5. Turn RIGHT onto	NORTHEAST on E RIVER DR. 4 E via the ramp on the LEFT 0 exit, EXIT 73, toward UNION. BUCKLEY HWY/CT-190. BIGELOW HOLLOW RD/CT-171. o go onto LAWSON RD/CT-197 PROSPECT 6			0.0 mi 30.1 mi 0.4 mi 1.9 mi 2.3 mi 8.3 mi	

### **GENERAL NOTES**

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

### SITE INFORMATION

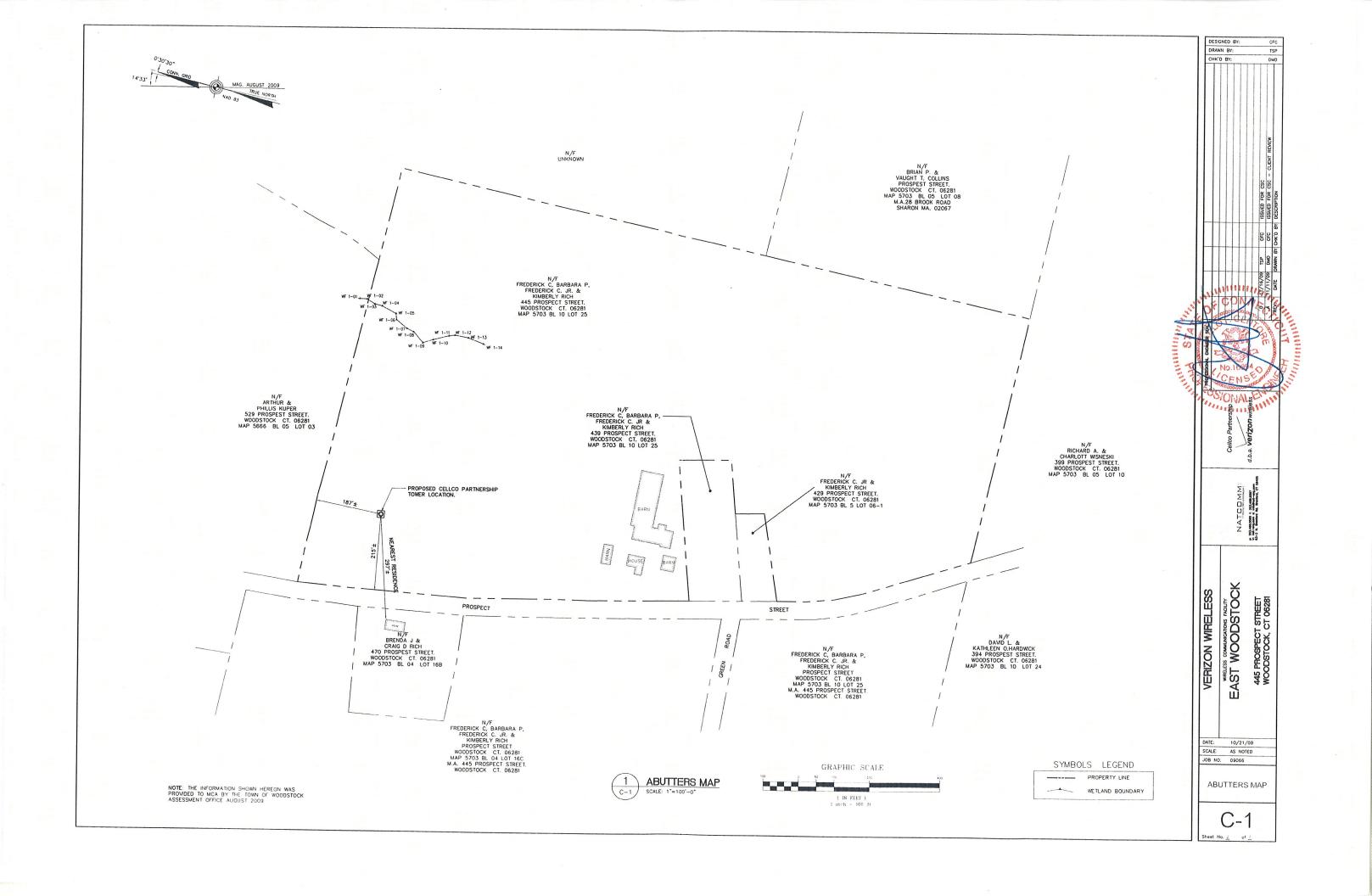
- THE SCOPE OF WORK SHALL INCLUDE:
- THE CONSTRUCTION OF A 75'x50' FENCED WIRELESS COMMUNICATIONS COMPOUND WITHIN A 100'x100' LEASE AREA.
- A TOTAL OF FIFTEEN (15) DIRECTIONAL PANEL ANTENNAS ARE PROPOSED TO BE MOUNTED AT CENTERLINE ELEVATION OF 130"-0"± AGL ON A 130" PROPOSED STEEL MONOPOLE TOWER LOCATED CENTRALLY WITHIN THE PROPOSED COMPOUND.
- 3. TOTAL ACCESS DRIVE LENGTH IS 345's
- 4. POWER AND TELCO UTILITIES SHALL BE ROUTED UNDERGROUND FROM EVISTING RESPECTIVE DEWARDS TO THE PROPOSED UTILITY BACKBOARD LOCATED ADJACENT TO THE PROPOSED FENCE COMPOUND FINAL DEMARC LOCATION AND UTILITY ROUTING TO PROPOSED BACKBOARD WILL BE VERTIED/DETERMINED BY LOCAL UTILITY COMPANIES. UTILITIES WILL BE ROUTED FROM UTILITY BACKBOARD TO THE PROPOSED NOMINAL 12\*30 WIRELESS EQUIPMENT SHELTER LOCATED WIND.
- 5. FINAL DESIGN FOR TOWER AND ANTENNA MOUNTS SHALL BE INCLUDED IN THE D&M PLANS.
- THE PROPOSED WIRELESS FACILITY INSTALLATION WILL BE DESIGNED IN ACCORDANCE WITH THE 2005 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2009 CONNECTICUIT SUPPLEMENT.
- 7. THERE WILL NOT BE ANY LIGHTING UNLESS REQUIRED BY THE FCC OR THE FAA.
- 8 THERE WILL NOT BE ANY SIGNS OF ADVEDTISING ON THE ANTENNAS OF FOURDIENT
- 9. FOR ADDITIONAL NOTES AND DETAILS REFER TO THE ACCOMPANYING DRAWINGS

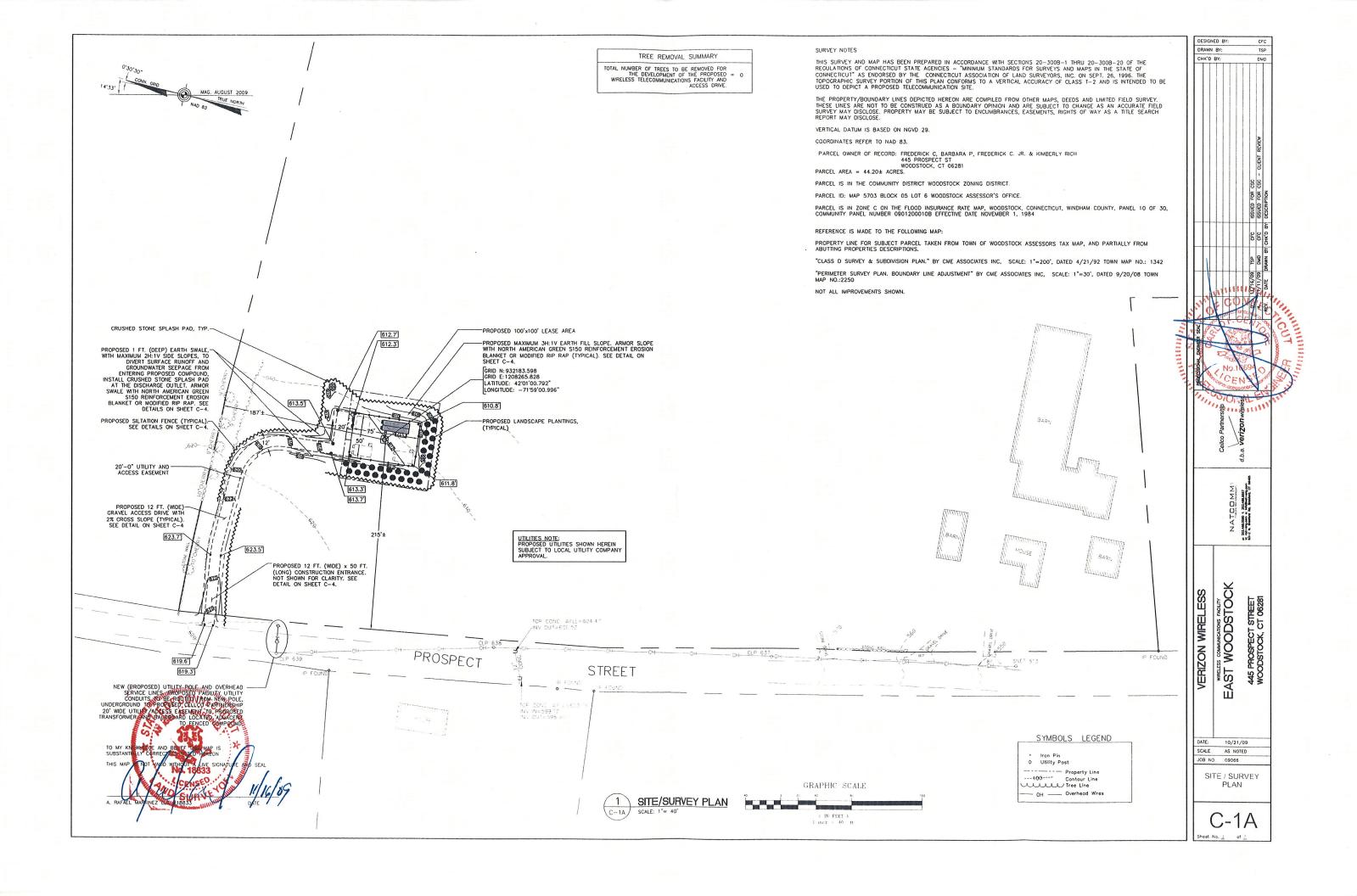


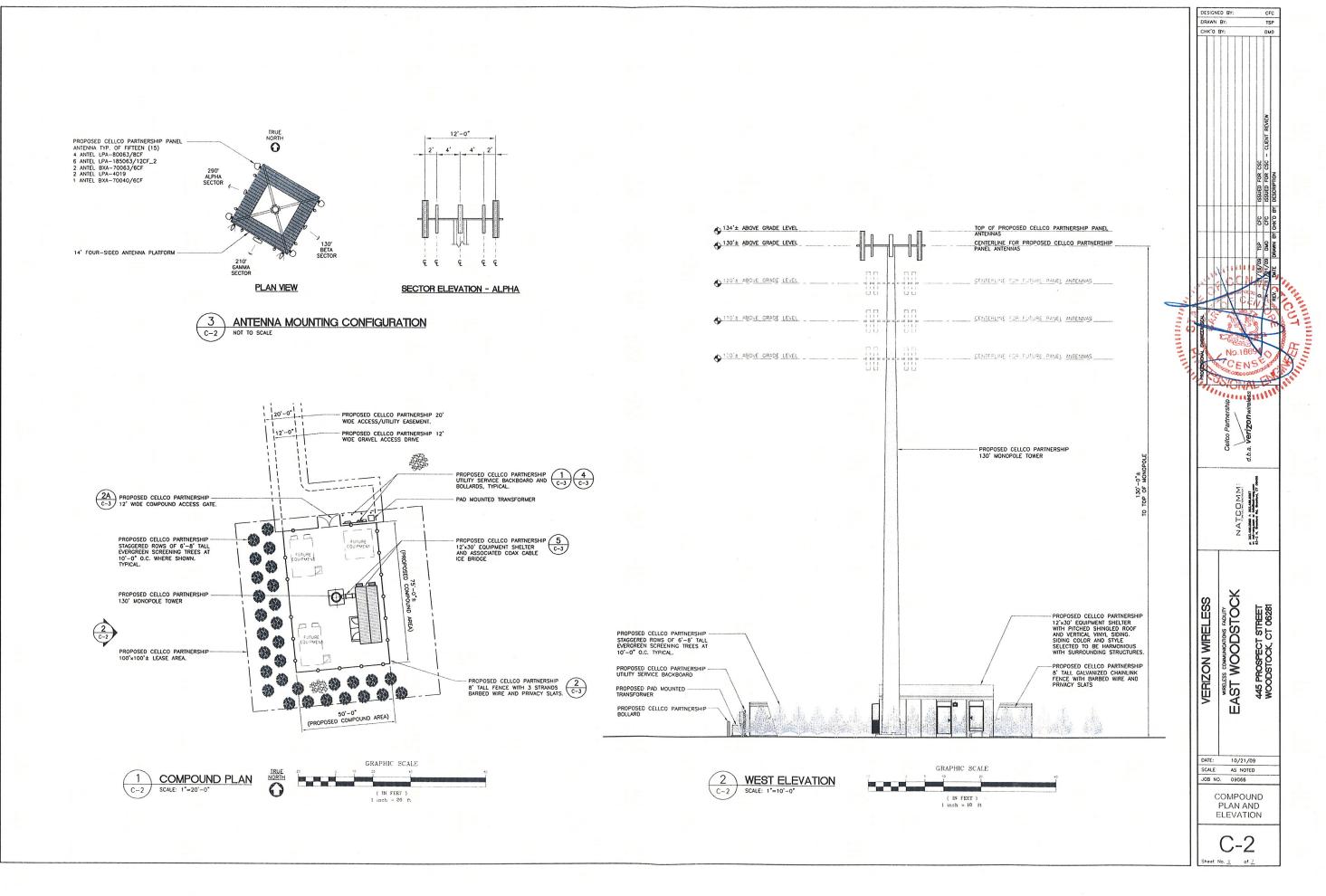
PROJECT SUM	
SITE NAME:	EAST WOODSTOCK
SITE ADDRESS:	445 PROSPECT STREET WOODSTOCK, CT 06281
MAP/ BLOCK/ LOT	5703/ 5/ 6 (WOODSTOCK ASSESSOR'S OFFICE)
PROPERTY OWNER:	FREDERICK C. BARBARA P, FREDERICK C. JR. & KIMBERLY RICH 445 PROSPECT STREET WOODSTOCK, CT 06281
LESSEE/TENANT:	CELLCO PARTNERSHP d.b.a. VERIZON WIRELESS 99 EAST ROPE ORIVE EAST HARTFORD, CT 06108
CONTACT PERSON:	SANDY CARTER CELLCO PARTINERSHIP d.b.o. VERIZON MIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT 06108
ENGINEER:	NATCOMM INC. 63-2 NORTH BRANFORD ROAD BRANFORD, CT 06405 (203) 488-0580
TOWER COORDINATES:	LATITUDE 42"-01"-00.792" LONGITUDE 71"-59"-00.996" GROUND ELEVATION: 612.3"± A.M.S.L. COORDINATES AND GROUND ELEVATION BASED ON FAA 2C
	COORDINATES AND GROUND ELEVATION BASED ON FAA 2C SURVEY CERTIFICATION PREPARED BY MARTINEZ COUCH AND ASSOCIATES LLC DATED JULY 27, 2009 REVISED NOVEMBER 16, 2009.

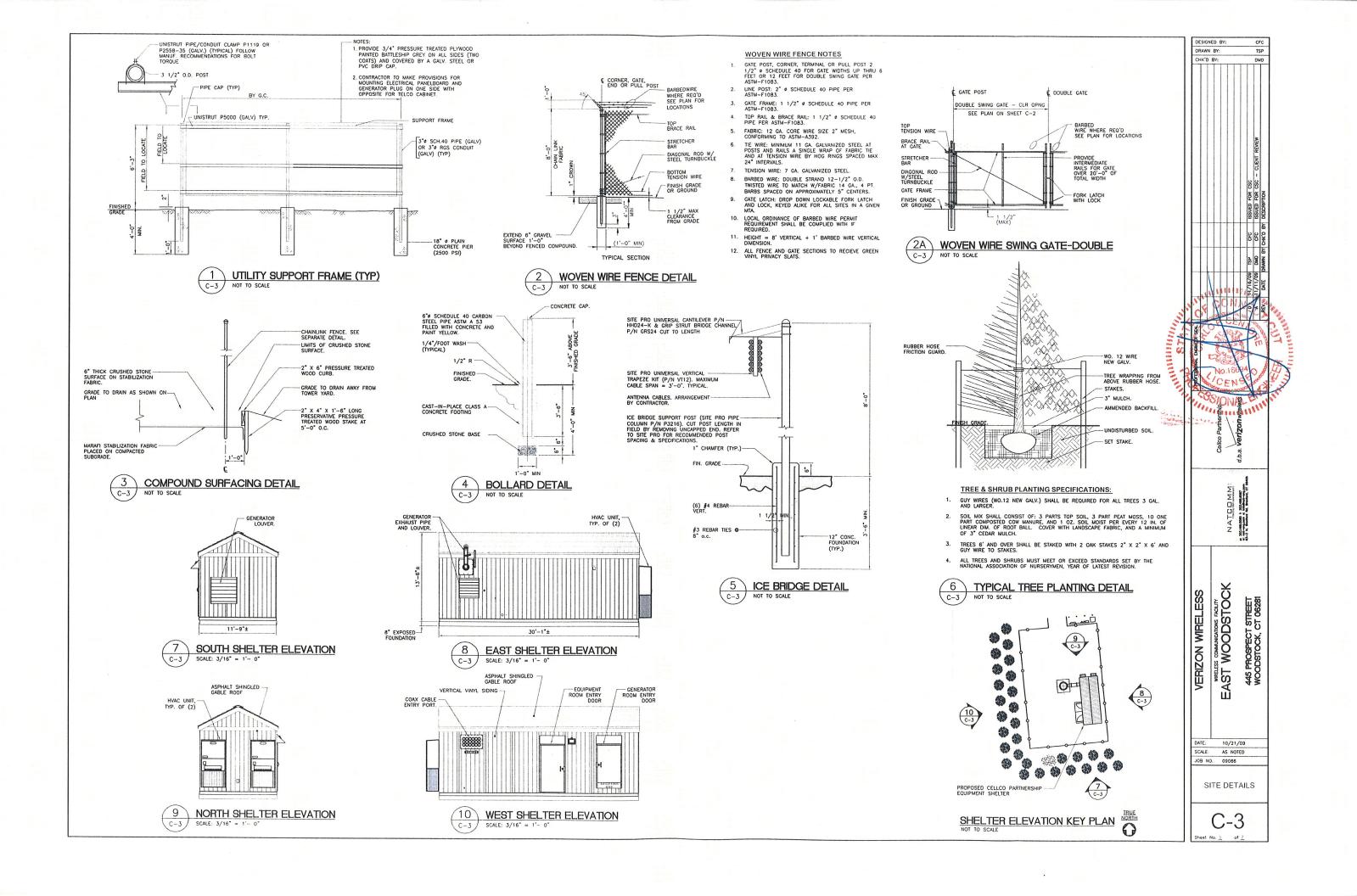
SHT. NO.	DESCRIPTION	RE\ NO
T-1	TITLE SHEET	0
C-1	ABUTTERS MAP	0
C-1A	SITE / SURVEY PLAN	-0
C-2	COMPOUND PLAN AND ELEVATION	0
C-3	SITE DETAILS	0
C-4	SITE DETAILS AND NOTES	0
C-5	SHELTER FOUNDATION PLAN, DETAILS AND NOTES	0

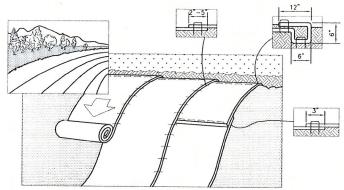
The Color	The Capping Theorem	No.1	ည	TREV. DATE DRAWN BY CHK'D BY DESCRIPTION	W.CO.
	Se long	Cellco Partnership	d.b.a. Verizon mirrores e consensor de d.b.a. Verizon mirrores e consensor es conse		No. of the last of
	VERIZON WIRELESS	WIRELESS COMMUNICATIONS FACILITY  EAST WOODSTOCK	445 PROSPECT STREET	WOODSTOCK, CT 06281	
	DATE: SCALE JOB	: AS N	.E		











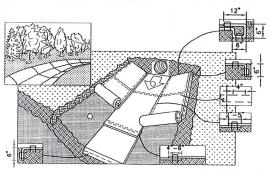
REINFORCEMENT BLANKET INSTALLATION ON SLOPE C-4 (TYPICAL)

#### NOTES:

- A. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
  NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING, APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLE/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
- ROLL THE BLANKET DOWN OR HORIZONTALLY ACROSS THE SLOPE. BLANKET WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE.
  ALL ROLLED EROSION CONTROL BLANKETS MUST BE SECURELY FASTENED RO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE
  LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM[TM], STAPLES/STAKES SHOULD BE PLACED THROUGH EACH
  OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY A 2"- 5" OVERLAP DEPENDING ON BLANKET TYPE.
- E. CONSECUTIVE ROLLED EROSION CONTROL BLANKET SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP, STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.

  \* IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKET.
- THE EDGE OF THE BLANKET IS TO EXTEND A MINIMUM 24 INCHES BEYOND THE TOE OF THE SLOPE AND ANCHORED BY PLACING THE STAPLES/
  STAKES IN A 12 INCH DEEP x 6 INCH WIDE ANCHOR TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/ STAKES SPACED APPROXIMATELY
  12 INCH APART IN THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING (STONE OR SOIL MAY BE USED AS BACKFILL).
- G. REFER TO MANUFACTURES STAPLE GUIDE FOR CORRECT STAPLE PATTERN, MINIMUM 4 SPIKES PER ONE SQ. FT.

THE CONTRACTOR SHALL MAINTAIN THE BLANKET UNTIL ALL WORK ON THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED. MAINTENANCE SHALL CONSIST OF THE REPAIR OF AREAS WHERE DAMAGED BY ANY CAUSE. ALL DAMAGED AREAS SHALL BE REPAIRED TO REESTABLISH THE CONDITIONS AND GRADE OF THE SOIL PRIOR TO APPLICATION OF THE COVERING AND SHALL BE REFERTILIZED, RESEEDED, AND REMULCHED AS DIRECTED.



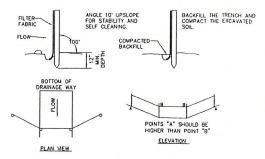


### NOTES:

 $\left(\frac{2}{c-4}\right)$ 

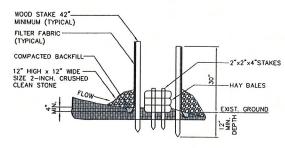
### CHANNEL APPLICATIONS:

- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
- B. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING, APPLY SEED TO COMPACTED SOIL AND FOLD REMAINED 12" APART ACROSS THE WIDTH OF THE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLE/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
- . ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOITOM OF CHANNEL BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST
  THE SOIL SURFACE ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE
  LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM[TM], STAPLES/STAKES SHOULD BE PLACED THROUGH
  EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- D. PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 4"- 6" OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER TO SECURE BLANKETS.
- FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- ADJACENT BLANKETS MUST BE OVERLAPPED APPROXIMATELY 2"- 5" AND STAPLED TO ENSURE PROPER SEAM ALIGNMENT. PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH[TM] ON THE BLANKET BEING OVERLAPPED.
- G. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- H REFER TO MANUFACTURERS STAPLE GUIDE FOR CORRECT STAPLE PATTERN, MINIMUM 4 SPIKES PER ONE SO, FT THE CONTRACTOR SHALL MAINTAIN THE BLANKET UNTIL ALL WORK ON THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED MAINTENANCE SHALL CONSIST OF THE REPAIR OF AREAS WHERE DAMAGED BY ANY CAUSE. ALL DAMAGED AREAS SHALL BE REPAIR TO RESTABLISH THE CONDITIONS AND GRADE OF THE SOIL PRIOR TO APPLICATION OF THE COVERING AND SHALL BE REFERTILIZED, RESEEDED, AND REMULCHED AS DIRECTED.



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





SILTATION FENCE/HAYBALE/SILTATION NOT TO SCALE FENCE 'SANDWICH' EROSION CONTROL DETAIL

GRASS SWALE (TYPICAL)

SECTION

NOT TO SCALE

ROPOSED GRADE. PROTECT SLOPES WITH MODIFIED RIPRAP
OR NORTH AMERICAN GREEN
SCI50 DOUBLE NET EROSION
BLANKET OR APPROVED SLOPE
PROTECTING METHOD.
(TYPICAL)

### SOIL EROSION AND SEDIMENTATION CONTROL SEQUENCE

- A. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS CONSTRUCTION ENTRANCE, SILTATION FENCE SHALL BE IN PLACE PRIOR TO ANY GRADING ACTIVITY, INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES. MEASURES SHALL BE LEFT IN PLACE AND MAINTAINED UNTIL CONSTRUCTION IS COMPLETED AND/OR AREA IS

- STRUCTURES OR UTILITIES. MEASURES SHALL BE LEFT IN PLACE AND MAINTAINED UNTIL CONSTRUCTION IS COMPLETED AND/OR AREA IS STABILIZED.

  B. THE ENTRANCE TO THE PROJECT SITE IS TO BE PROTECTED BY STONE CONSTRUCTION ENTRANCE OF ASTM C-33, SIZE NO. 2 OR 3, OR D.O.T. 2° CRUSHED GRAVEL. THE STONE CONSTRUCTION ENTRANCE PAO IS TO BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION PERIOD.

  C. LAND DISTURBANCE WILL BE KEPT TO A MINIMUM AND RESTABILIZATIONS WILL BE SCHEDULED AS SOON AS PRACTICAL.

  D. ALL SOIL EROSION AND SEDIMENT CONTROL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CONSERVATION.

  E. ANY ADDITIONAL EROSION/SEDIMENTATION CONTROL DEEMED NECESSARY BY TOWN STAFF DURING CONSTRUCTION, SHALL BE INSTALLED BY THE DEVELOPER. IN ADDITION, THE DEVELOPER HALL BE RESPONSIBLE FOR THE REPAIR/REPLACEMENT/MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL ALL DISTURBED AREAS ARE STABILIZED TO THE SAMISFACTION OF THE TOWN STAFF.

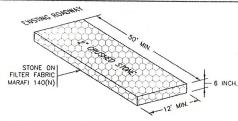
  F. IN ALL AREAS, REMOVAL OF TREES, BUSHES AND OTHER VEGETATION AS WELL AS DISTURBANCE OF THE SOIL IS TO BE KEPT TO AN ABSOLUTE MINIMUM WHILE ALLOWING PROPER DEVELOPMENT OF THE SITE. DURING CONSTRUCTION, EXPOSE AS SMALL AN AREA OF SOIL AS POSSIBLE FOR AS SHORT A TIME AS POSSIBLE.

  G. SILTATION FENCE SHALL BE PLACED AS INDICATED BEFORE A CUT SICOPE HAS BEEN CREATED. SEDIMENT DEPOSITS SHOULD BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDES OF SILTATION FENCE. THIS MATERIAL IS TO BE SPREAD AND STABILIZED IN AREAS MOT TO BE PAYED OR BUILT ON. SILTATION FENCE THE ROSION, OR TO BE USED IN AREAS MICH ARE NOT TO BE PAYED OR BUILT ON. SILTATION FENCE THE ROSION OR EXCESSARY TO PROVIDE PROPORE FILTERING ACTION. THE FROME THE PROVED FROM THE UPSTREAM SIDES OF SILTATION FENCE IS TO BE SPECED BY A PROPOSIO

SECTION

RIP RAP SWALE (TYP.)

12 INCH. DEPTH MODIFIED RIP RAP NONWOVEN GEOTEXTILE MIRAFI N-SERIES OR EQUAL



CONSTRUCTION ENTRANCE C-4



C-4

### MODIFIED RIPRAP SIZES

% OF MASS
0
30-50
30-50
20-30
10-20
0-10

### RIP RAP SLOPES

#### SUBGRADE PREPARATION

PREPARE THE SUBGRADE FOR RIP RAP, BEDDING, FILTER OR GEOTEXTILE TO THE REQUIRED LINES AND GRADES. COMPACT ANY FILL REQUIRED IN THE SUBGRADE IN 12-INCHES LIFTS TO 95% OF STANDARD PROCTOR DENSITY. REMOVE BRUSH, TREES, STUMPS, AND OTHER OBJECTIONABLE

FILTER BLANKET OR BEDDING IMMEDIATELY AFTER SLOPE, PREPARATION, INSTALL THE FILTER OR BEDDING MATERIALS. SPREAD THE FILTER OR BEDDING MATERIALS IN A UNIFORM LAYER TO THE SPECIFIED DEPTH.

### STONE PLACEMENT

STONE PLACEMENT

IMMEDIATELY AFTER PLACEMENT OF THE FILTER BLANKET, BEDDING,
PLACE THE RIP RAP TO ITS FULL COURSE THICKNESS IN ONE
OPERATION SO THAT IT PRODUCES A DENSE WELL GRADED MASS OF
STONE WITH A MINIMUM OF VOIDS. THE DESIRED DISTRIBUTION OF
STONES THROUGHOUT THE MASS MAY BE OBTAINED BY SELECTIVE
LOADING AT THE QUARRY, CONTROLLED DUMPING OF SUCCESSIVE LOADS
DURING THE FINAL PLACING, OR BY A COMBINATION OF THESE METHODS.
DO NOT PLACE RIP RAP IN LAYERS OR USE CHUTES OR SIMILAR
METHODS TO DUMP THE RIP RAP WHICH ARE LIKELY TO CAUSE
SEGREGATION OF THE VARIOUS STONES.

TAKE CARE NOT TO DISLODGE THE UNDERLYING MATERIAL WHEN PLACING THE STONES. WHEN PLACING RIP RAP ON A FILTER FABRIC TAKE CARE NOT TO DAMAGE THE FABRIC. IF DAMAGE OCCURS, REMOVE AND REPLACE THE DAMAGED SHEET. FOR LARGE STONE, 12 INCHES OR GREATER, USE A 6 INCH LAYER OF FILTER OR BEDDING MATERIAL TO PREVENT DAMAGE TO THE MATERIAL FROM PUNCTURE.

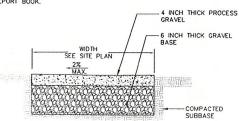
ENSURE THE FINISHED SLOPE IS FREE OF POCKETS OF SMALL STONES OR CLUSTERS OF LARGE STONES. HAND PLACING MAY BE NECESSARY TO ACHIEVE THE REQUIRED GRADES AND A GOOD DISTRIBUTION OF STONE SIZES. ENSURE THE FINAL THICKNESS OF THE RIP RAP BLANKET IS WITHIN PLUS OR MINUS 0.25 OF THE SPECIFIED THICKNESS.

### MAINTENANCE

MANY TEMONICS INSPECTED PERIODICALLY TO DETERMINE IF HIGH FLOWS HAVE CAUSED SCOUR BENEATH THE RIP RAP OR FILTER BLANKET MATERIALS. REMOVE TREES THAT DEVELOP IN THE PROTECTED SLOPES.

## MATERIALS TO BE MAINTAINED ON SITE FOR IMMEDIATE USE 100 LF. SILT FENCE ON POST; SLEDGE HAMMER;

- SHOVELS; TONS OF RIP RAP;
- 2 TONS OF RIF ROO; 500 SQ.FT. OF EROSION MAT / BLANKET WITH STAPLES; DIGITAL CAMERA; REPORT BOOK.



PROCESSED STONE ACCESS DRIVEWAY AND PARKING AREA SECTION (TYPE 1)

ISSUED FOR CSC ISSUED FOR CSC DESCRIPTION SS COMMUNICATIONS FACILITY
WOODSTOCK WIREL ᅜᅺ 445 PROSPECT (WOODSTOCK, C EAST 10/21/09 SCALE: AS NOTED JOB NO. 09066 SITE DETAILS AND NOTES

C-4

DESIGNED BY:

DRAWN RY-

HK'D BY: