

Cellco Partnership

NOT FOR CONSTRUCTION

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

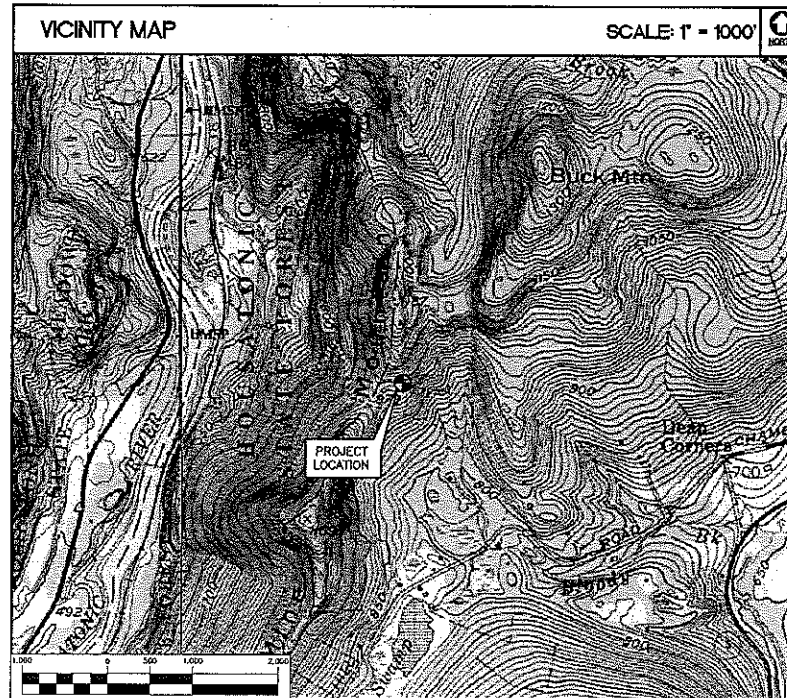
WIRELESS COMMUNICATIONS FACILITY DEVELOPMENT AND MANAGEMENT PLAN

CORNWALL, CT 16 BELL ROAD EXTENSION CORNWALL, CT 06754

SITE DIRECTIONS	
FROM:	TO:
99 EAST RIVER DRIVE EAST HARTFORD, CONNECTICUT	16 BELL ROAD EXTENSION CORNWALL, CONNECTICUT
1. Start out going Southeast toward E RIVER DR.	1.3 MI.
2. Turn Left to stay on E RIVER DR.	0.1 MI.
3. Turn Left onto US-44/CONNECTICUT BLVD	0.1 MI.
4. Take ramp Left for I-84 WEST	1.3 MI.
5. At Exit 48, take ramp Right for SPRING ST toward ASYLUM ST	0.1 MI.
6. Turn Right onto GARDEN ST	0.6 MI.
7. Site access is on right of golf cart crossing.	12.6 MI.
8. Turn Left onto US-44/ALBANY AVE	0.1 MI.
9. Bear Left onto US-202 SOUTH	10.9 MI.
10. Bear Right onto SR-4/E ELM ST	11.9 MI.
11. Turn Left to stay on SR-4/CEMETERY HILL RD	1.6 MI.
12. Bear Right onto POPPLE SWAMP RD	1.2 MI.
13. Turn Right onto BELL RD	0.2 MI.
14. Turn Left onto BELL ROAD EXT	

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 34'x70' FENCED WIRELESS COMMUNICATIONS COMPOUND WITHIN A 100'x100' LEASE AREA.
2. A TOTAL OF FIFTEEN (15) DIRECTIONAL PANEL ANTENNAS ARE PROPOSED TO BE MOUNTED AT A CENTERLINE ELEVATION OF 110'-0"± AGL ON A 110' PROPOSED STEEL MONOPOLE TOWER LOCATED WITHIN THE PROPOSED COMPOUND.
3. A 12'x30' PREFABRICATED EQUIPMENT SHELTER WITH A DIESEL FUELED EMERGENCY POWER GENERATOR IS PROPOSED TO BE LOCATED WITHIN THE FENCED COMPOUND.
4. TOTAL ACCESS DRIVE LENGTH IS 2,220'±, APPROXIMATELY 1,675' OF EXISTING ACCESS DRIVE AND DIRT PATH WILL BE UTILIZED FOR SITE ACCESS.
5. 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 NOMINAL 12'x30' WIRELESS EQUIPMENT SHELTER LOCATED WITHIN THE COMPOUND. FINAL DEMARC LOCATION AND UTILITY ROUTING TO PROPOSED BACKBOARD WILL BE VERIFIED/DETERMINED BY LOCAL UTILITY COMPANIES.
6. FINAL DESIGN FOR TOWER AND ANTENNA MOUNTS SHALL BE INCLUDED IN THE D&M PLANS.
7. THE PROPOSED WIRELESS FACILITY INSTALLATION WILL BE DESIGNED IN ACCORDANCE WITH THE 2003 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2009 CONNECTICUT SUPPLEMENT.
8. THERE WILL NOT BE ANY LIGHTING UNLESS REQUIRED BY THE FCC OR THE FAA.
9. THERE WILL NOT BE ANY SIGNS OR ADVERTISING ON THE ANTENNAS OR EQUIPMENT.
10. FOR ADDITIONAL NOTES AND DETAILS REFER TO THE ACCOMPANYING DRAWINGS.



PROJECT SUMMARY	
SITE NAME:	CORNWALL, CT
SITE ADDRESS:	16 BELL ROAD EXTENSION CORNWALL, CT 06754
PROPERTY OWNER:	RALPH GULLAVER JR. LONG MOUNTAIN ROAD NEW MILFORD, CT 06776
LESSEE/TENANT:	CELCO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT 06108
CONTACT PERSON:	SANDY CARTER CELCO PARTNERSHIP (860) 803-8219
ENGINEER:	CENTEK ENGINEERING, INC. 63-2 NORTH BRANFORD ROAD BRANFORD, CT 06405
TOWER COORDINATES:	LATITUDE 41°-50'± 44.815" LONGITUDE 73°-2'± 51.476" GROUND ELEVATION: 999.8'± A.M.S.L. (PROPOSED) COORDINATES AND GROUND ELEVATION REFERENCED FROM FAA 2-C CERTIFICATION PREPARED BY MARTINEZ-COUCH & ASSOCIATES, L.P.C., DATED MAY 13, 2009, REVISED MARCH 29, 2010.

SHEET INDEX		
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DESIGNED BY: CFC
DRAWN BY: TSP
CHK'D BY: DMD

DATE	REV.	DESCRIPTION
08/17/12	1	ISSUED FOR D&M - CLIENT REVIEW
08/17/12	2	ISSUED FOR D&M - CLIENT REVIEW
08/17/12	3	ISSUED FOR D&M - CLIENT REVIEW
08/17/12	4	ISSUED FOR D&M - CLIENT REVIEW
08/17/12	5	ISSUED FOR D&M - CLIENT REVIEW
08/17/12	6	ISSUED FOR D&M - CLIENT REVIEW
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08/17/12	29	ISSUED FOR D&M - CLIENT REVIEW
08/17/12	30	ISSUED FOR D&M - CLIENT REVIEW

CENTEK ENGINEERING, INC.
63-2 NORTH BRANFORD ROAD
BRANFORD, CT 06405
www.CentekEng.com

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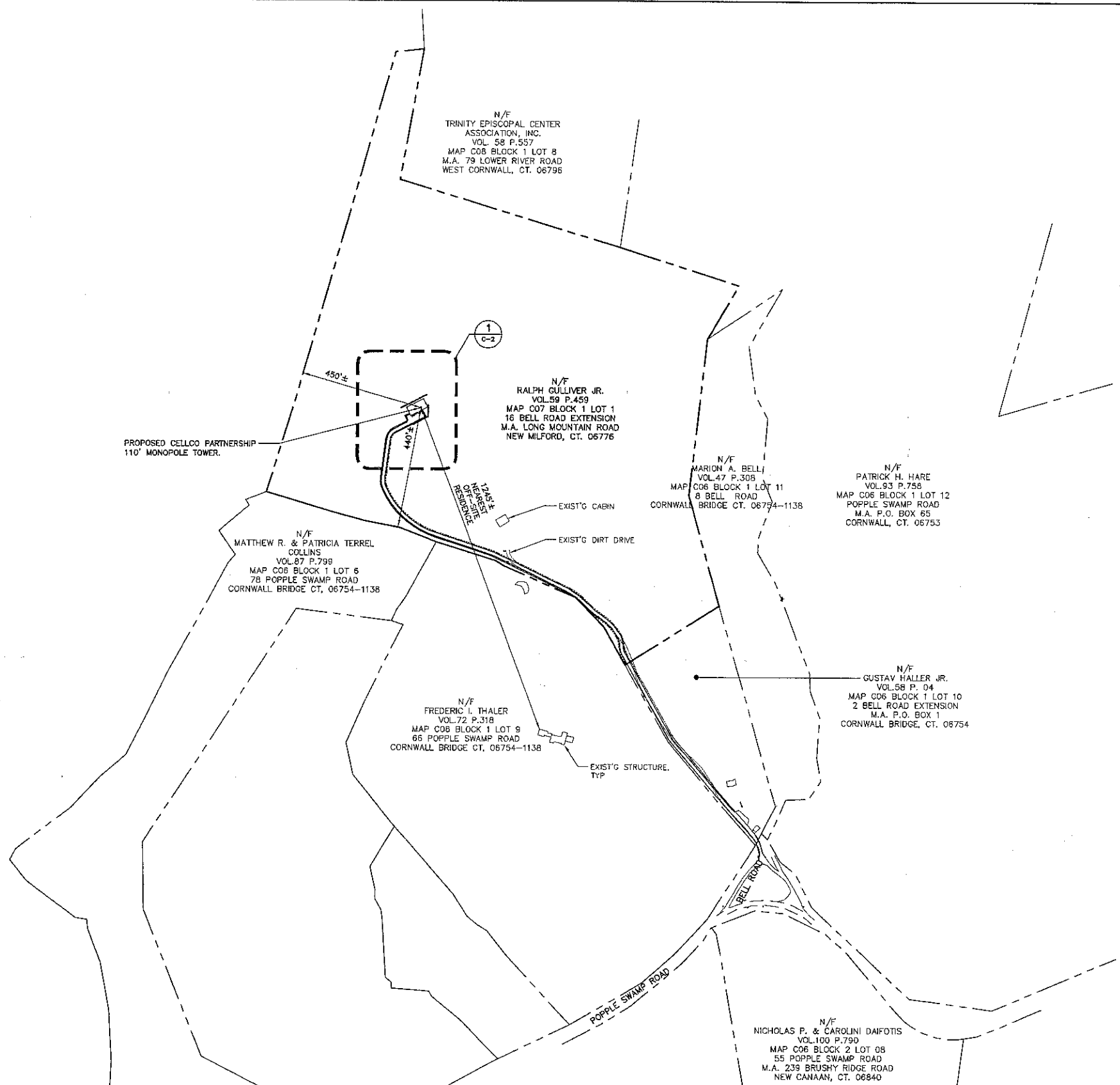
Cellco Partnership d/b/a Verizon Wireless
WIRELESS COMMUNICATIONS FACILITY
CORNWALL, CT
16 BELL ROAD EXTENSION
CORNWALL, CT 06754

DATE: 08/17/12
SCALE: AS NOTED
JOB NO. 08168

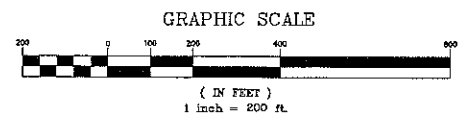
TITLE SHEET

T-1

Sheet No. 1 of 10



1 SITE LOCATION PLAN/ABUTTERS MAP
 C-1.0 SCALE: 1" = 200'

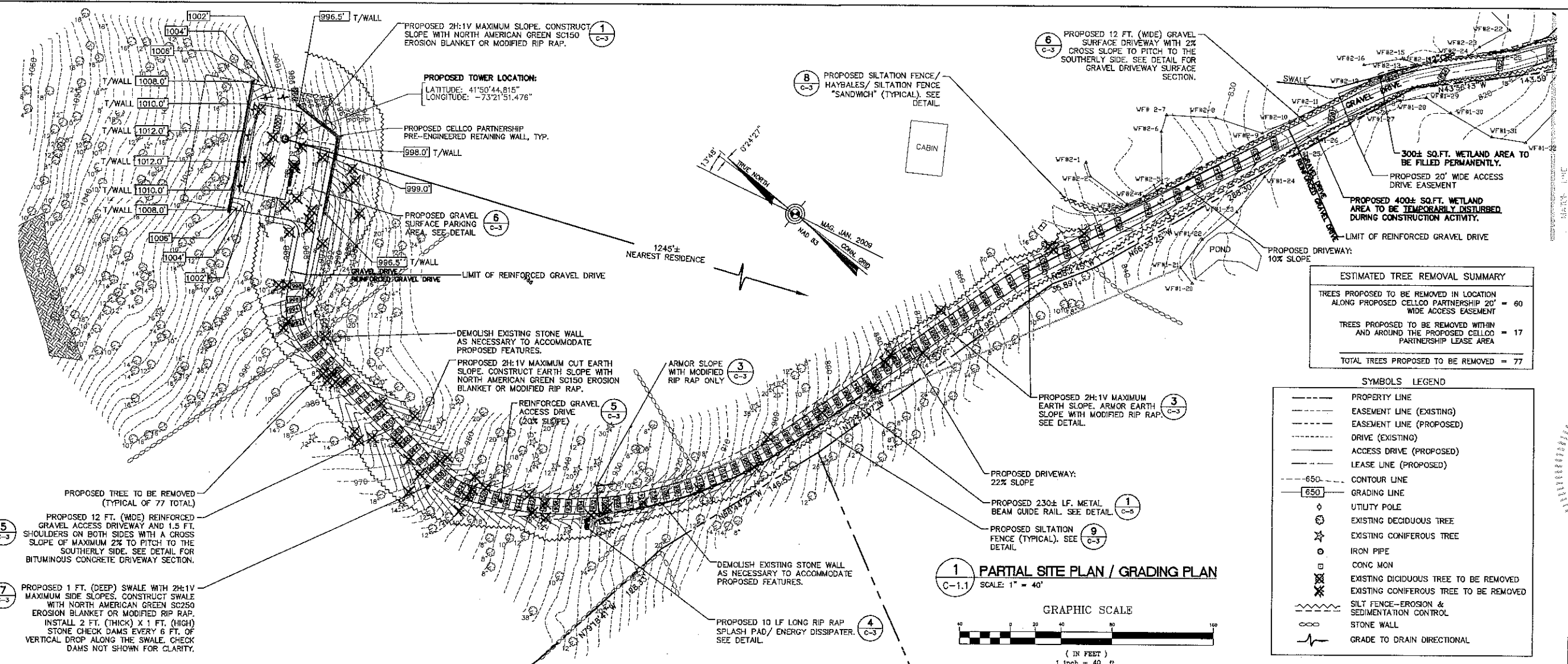


SYMBOLS LEGEND

---	PROPERTY LINE
- - - -	EASEMENT LINE (EXISTING)
- · - · -	EASEMENT LINE (PROPOSED)
- - - -	ACCESS DRIVE (EXISTING)
- · - · -	ACCESS DRIVE (PROPOSED)
- - - -	LEASE LINE (PROPOSED)
~ ~ ~ ~	WETLANDS BOUNDARY

DESIGNED BY:	CFC
DRAWN BY:	TSP
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ISSUED FOR DEM:	CFC
ISSUED FOR DEM - CLIENT REVIEW:	CFC
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SITE LOCATION PLAN / ABUTTERS MAP	
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Sheet No. 2 of 10	

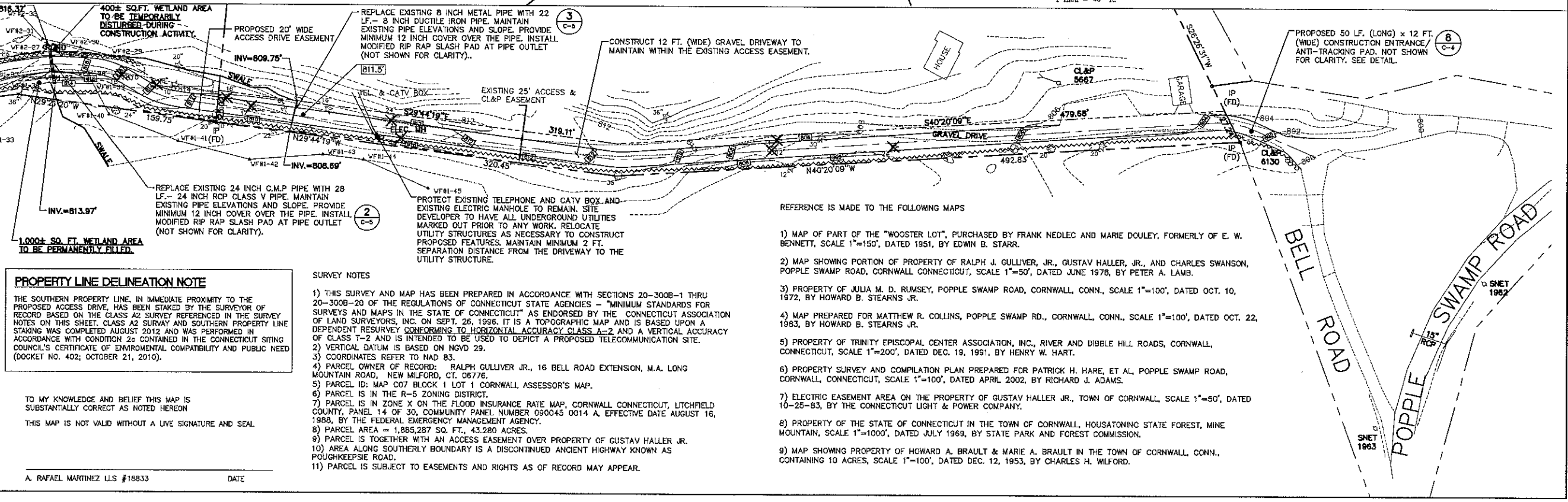
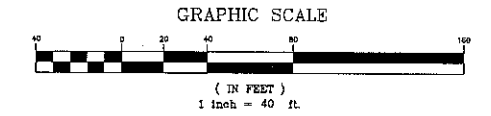
PROFESSIONAL ENGINEER SEAL Patrick H. Hare State of Connecticut License No. 10000 d.b.a. Verizon Wireless	Cellco Partnership d.b.a. Verizon Wireless
CENTEK engineering Consulting & Software 203 468-6380 203 468-6387 Fax 852 North Berwick Road Branford, CT 06408 www.CentekEng.com	Cellco Partnership d/b/a Verizon Wireless WIRELESS COMMUNICATIONS FACILITY CORNWALL, CT 16 BELL ROAD EXTENSION CORNWALL, CT 06754



ESTIMATED TREE REMOVAL SUMMARY	
TREES PROPOSED TO BE REMOVED IN LOCATION ALONG PROPOSED CELCO PARTNERSHIP 20' WIDE ACCESS EASEMENT	= 60
TREES PROPOSED TO BE REMOVED WITHIN AND AROUND THE PROPOSED CELCO PARTNERSHIP LEASE AREA	= 17
TOTAL TREES PROPOSED TO BE REMOVED =	77

SYMBOLS LEGEND	
---	PROPERTY LINE
---	EASEMENT LINE (EXISTING)
---	EASEMENT LINE (PROPOSED)
---	DRIVE (EXISTING)
---	ACCESS DRIVE (PROPOSED)
---	LEASE LINE (PROPOSED)
---	650' CONTOUR LINE
---	GRADING LINE
○	UTILITY POLE
○	EXISTING DECIDUOUS TREE
☆	EXISTING CONIFEROUS TREE
○	IRON PIPE
○	CONC MON
⊗	EXISTING DECIDUOUS TREE TO BE REMOVED
⊗	EXISTING CONIFEROUS TREE TO BE REMOVED
---	SILT FENCE-EROSION & SEDIMENTATION CONTROL
---	STONE WALL
---	GRADE TO DRAIN DIRECTIONAL

1 PARTIAL SITE PLAN / GRADING PLAN
C-1.1 SCALE: 1" = 40'



PROPERTY LINE DELINEATION NOTE
THE SOUTHERN PROPERTY LINE, IN IMMEDIATE PROXIMITY TO THE PROPOSED ACCESS DRIVE, HAS BEEN STAKED BY THE SURVEYOR OF RECORD BASED ON THE CLASS A2 SURVEY REFERENCED IN THE SURVEY NOTES ON THIS SHEET. CLASS A2 SURVEY AND SOUTHERN PROPERTY LINE STAKING WAS COMPLETED AUGUST 2012 AND WAS PERFORMED IN ACCORDANCE WITH CONDITION 2c CONTAINED IN THE CONNECTICUT SITING COUNCIL'S CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED (DOCKET NO. 402; OCTOBER 21, 2010).

- 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. IT IS A TOPOGRAPHIC MAP AND IS BASED UPON A DEPENDENT RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A-2 AND A VERTICAL ACCURACY OF CLASS T-2 AND IS INTENDED TO BE USED TO DEPICT A PROPOSED TELECOMMUNICATIONS SITE.
 - VERTICAL DATUM IS BASED ON NGVD 29.
 - COORDINATES REFER TO NAD 83.
 - PARCEL OWNER OF RECORD: RALPH GULLIVER JR., 16 BELL ROAD EXTENSION, M.A. LONG MOUNTAIN ROAD, NEW MILFORD, CT. 06776.
 - PARCEL ID: MAP C07 BLOCK 1 LOT 1 CORNWALL ASSESSOR'S MAP.
 - PARCEL IS IN THE R-5 ZONING DISTRICT.
 - PARCEL IS IN ZONE X ON THE FLOOD INSURANCE RATE MAP, CORNWALL CONNECTICUT, LITCHFIELD COUNTY, PANEL 14 OF 30, COMMUNITY PANEL 090045 0014 A, EFFECTIVE DATE AUGUST 16, 1998, BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY.
 - PARCEL AREA = 1,865,287 SQ. FT., 43.280 ACRES.
 - PARCEL IS TOGETHER WITH AN ACCESS EASEMENT OVER PROPERTY OF GUSTAV HALLER JR.
 - AREA ALONG SOUTHERLY BOUNDARY IS A DISCONTINUED ANCIENT HIGHWAY KNOWN AS POUGHKEEPSIE ROAD.
 - PARCEL IS SUBJECT TO EASEMENTS AND RIGHTS AS OF RECORD MAY APPEAR.

- REFERENCE IS MADE TO THE FOLLOWING MAPS
- MAP OF PART OF THE "WOOSTER LOT", PURCHASED BY FRANK NEDLEC AND MARIE DOULEY, FORMERLY OF E. W. BENNETT, SCALE 1"=150', DATED 1951, BY EDWIN B. STARR.
 - MAP SHOWING PORTION OF PROPERTY OF RALPH J. GULLIVER, JR., GUSTAV HALLER, JR., AND CHARLES SWANSON, POPPLE SWAMP ROAD, CORNWALL CONNECTICUT, SCALE 1"=50', DATED JUNE 1978, BY PETER A. LAMB.
 - PROPERTY OF JULIA M. D. RUMSEY, POPPLE SWAMP ROAD, CORNWALL, CONN., SCALE 1"=100', DATED OCT. 10, 1972, BY HOWARD B. STEARNS JR.
 - MAP PREPARED FOR MATTHEW R. COLLINS, POPPLE SWAMP RD., CORNWALL, CONN., SCALE 1"=100', DATED OCT. 22, 1983, BY HOWARD B. STEARNS JR.
 - PROPERTY OF TRINITY EPISCOPAL CENTER ASSOCIATION, INC., RIVER AND DIBLE HILL ROADS, CORNWALL, CONNECTICUT, SCALE 1"=200', DATED DEC. 19, 1991, BY HENRY W. HART.
 - PROPERTY SURVEY AND COMPILATION PLAN PREPARED FOR PATRICK H. HARE, ET AL, POPPLE SWAMP ROAD, CORNWALL, CONNECTICUT, SCALE 1"=100', DATED APRIL 2002, BY RICHARD J. ADAMS.
 - ELECTRIC EASEMENT AREA ON THE PROPERTY OF GUSTAV HALLER JR., TOWN OF CORNWALL, SCALE 1"=50', DATED 10-25-83, BY THE CONNECTICUT LIGHT & POWER COMPANY.
 - PROPERTY OF THE STATE OF CONNECTICUT IN THE TOWN OF CORNWALL, HOUSATONING STATE FOREST, MINE MOUNTAIN, SCALE 1"=1000', DATED JULY 1969, BY STATE PARK AND FOREST COMMISSION.
 - MAP SHOWING PROPERTY OF HOWARD A. BRAULT & MARIE A. BRAULT IN THE TOWN OF CORNWALL, CONN., CONTAINING 10 ACRES, SCALE 1"=100', DATED DEC. 12, 1953, BY CHARLES H. WILFORD.

DESIGNED BY: OFC
DRAWN BY: TSP
CHKD BY: DMD

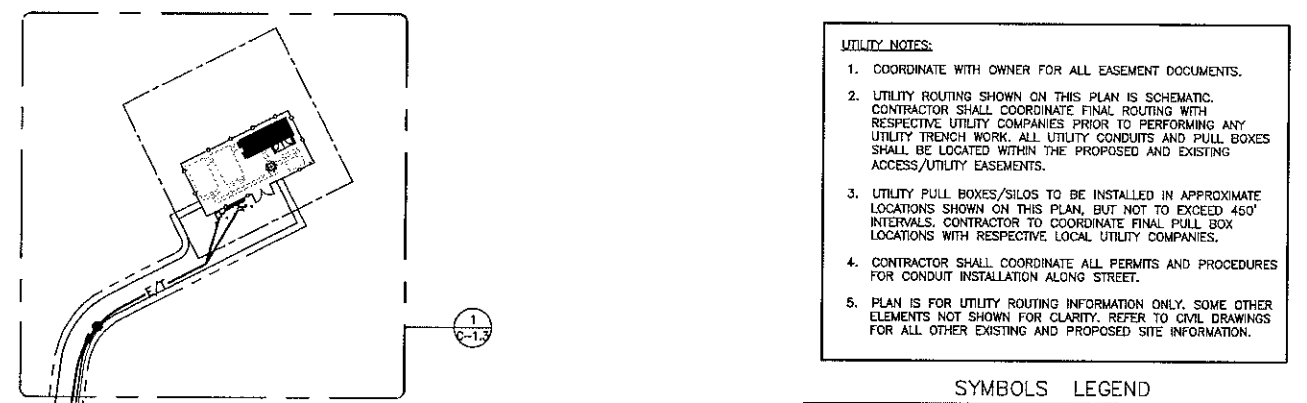
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2	ISSUED FOR D&M	09/17/12	DMD	CLIENT REVIEW
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DATE: 08/17/12
SCALE: AS NOTED
JOB NO. 08189

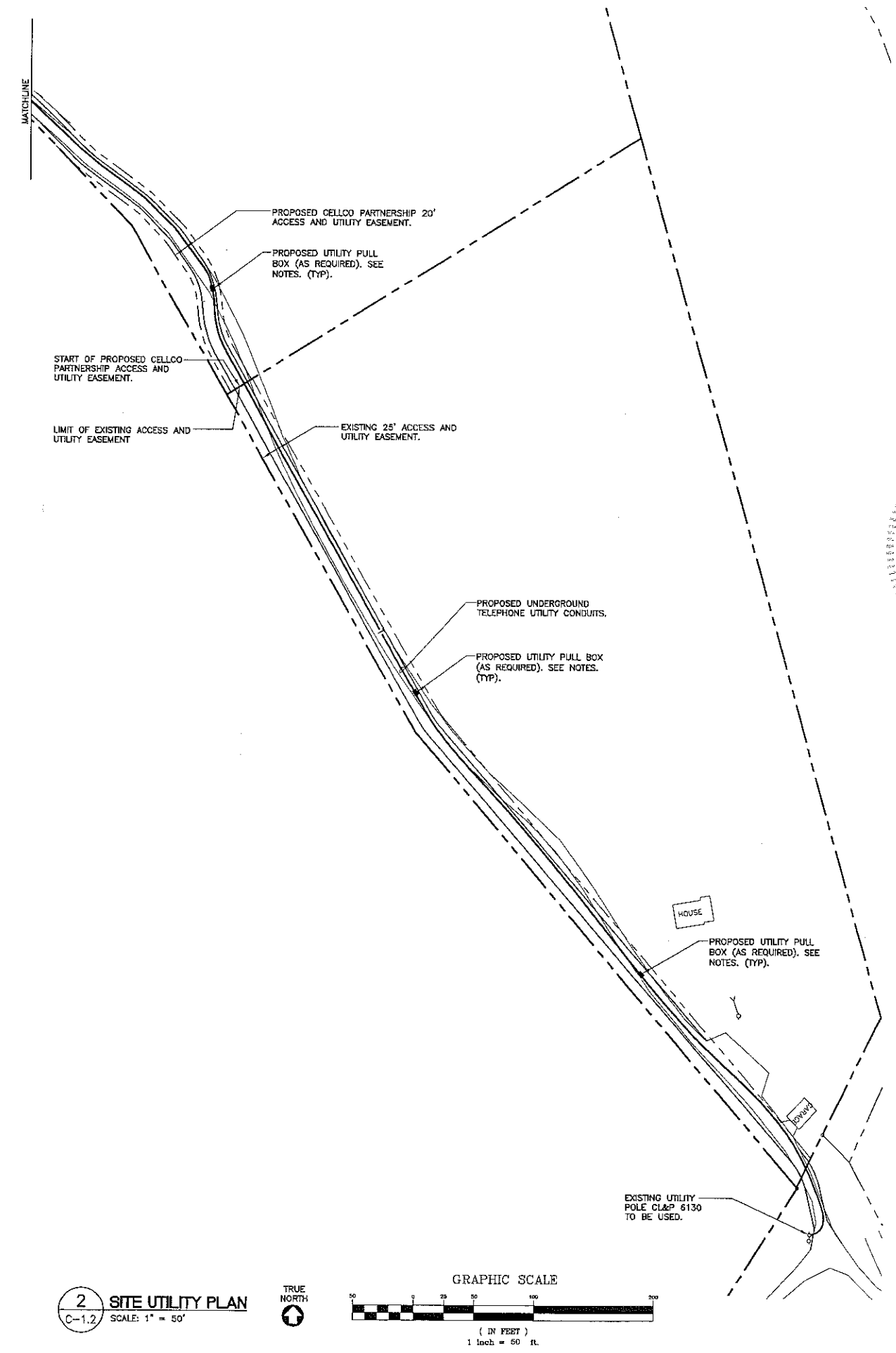
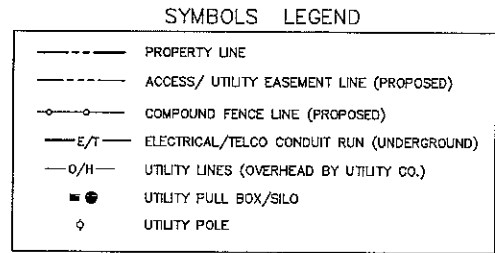
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WIRELESS COMMUNICATIONS FACILITY
CORNWALL, CT
16 BELL ROAD EXTENSION
CORNWALL, CT 06754

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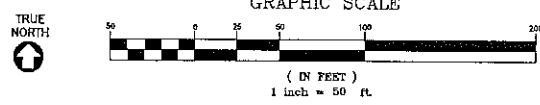
PARTIAL SITE PLAN/GRADING PLAN
C-1.1
Sheet No. 3 of 10



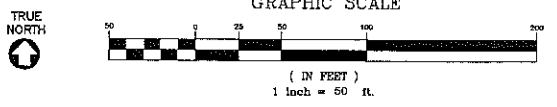
- UTILITY NOTES:**
1. COORDINATE WITH OWNER FOR ALL EASEMENT DOCUMENTS.
 2. UTILITY ROUTING SHOWN ON THIS PLAN IS SCHEMATIC. CONTRACTOR SHALL COORDINATE FINAL ROUTING WITH RESPECTIVE UTILITY COMPANIES PRIOR TO PERFORMING ANY UTILITY TRENCH WORK. ALL UTILITY CONDUITS AND PULL BOXES SHALL BE LOCATED WITHIN THE PROPOSED AND EXISTING ACCESS/UTILITY EASEMENTS.
 3. UTILITY PULL BOXES/SILOS TO BE INSTALLED IN APPROXIMATE LOCATIONS SHOWN ON THIS PLAN, BUT NOT TO EXCEED 450' INTERVALS. CONTRACTOR TO COORDINATE FINAL PULL BOX LOCATIONS WITH RESPECTIVE LOCAL UTILITY COMPANIES.
 4. CONTRACTOR SHALL COORDINATE ALL PERMITS AND PROCEDURES FOR CONDUIT INSTALLATION ALONG STREET.
 5. PLAN IS FOR UTILITY ROUTING INFORMATION ONLY. SOME OTHER ELEMENTS NOT SHOWN FOR CLARITY. REFER TO CIVIL DRAWINGS FOR ALL OTHER EXISTING AND PROPOSED SITE INFORMATION.



1 SITE UTILITY PLAN
 C-1.2 SCALE: 1" = 50'



2 SITE UTILITY PLAN
 C-1.2 SCALE: 1" = 50'



DESIGNED BY: CFC
 DRAWN BY: TSP
 CHK'D BY: DMD

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
1	06/21/12	DMD	CFC	ISSUED FOR DAM - CLIENT REVIEW
2	08/17/12	DMD	CFC	ISSUED FOR DAM - CLIENT REVIEW

Celine Partridge
 d.b.a. Verizon Wireless

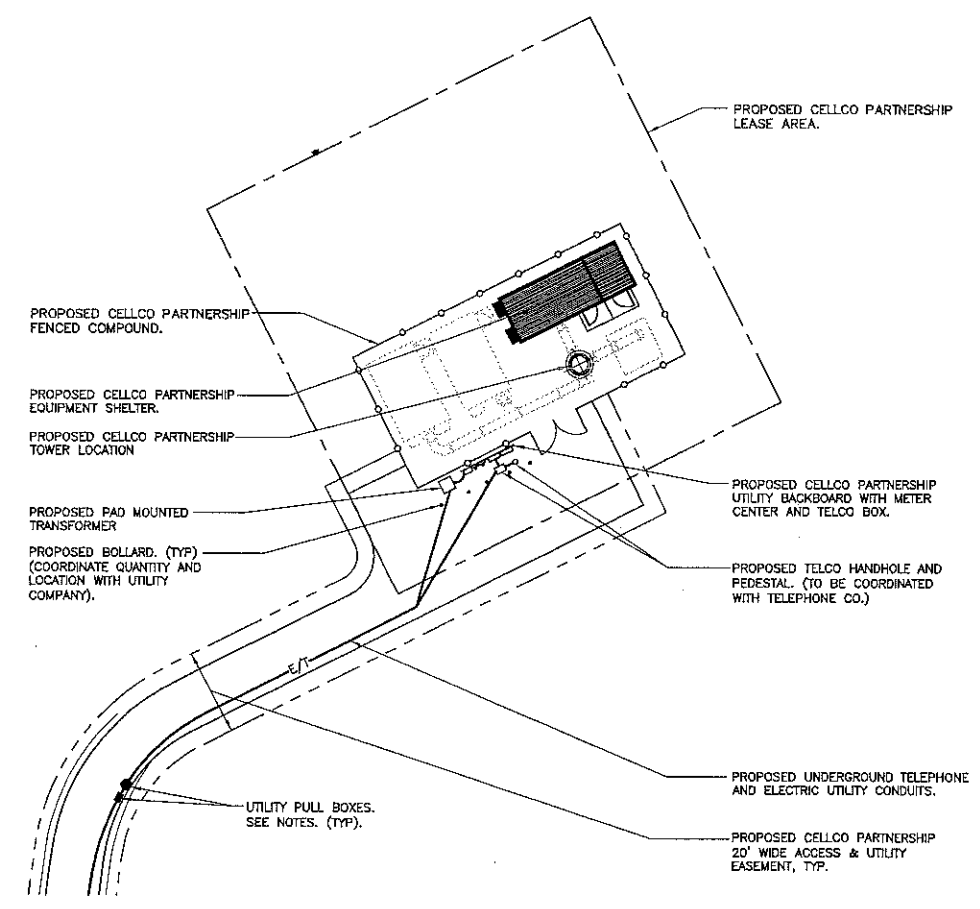
CENTEK Engineering
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 WIRELESS COMMUNICATIONS FACILITY
CORNWALL, CT
 16 BELL ROAD EXTENSION
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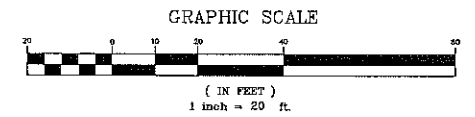
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SITE UTILITY PLANS

C-1.2
 Sheet No. 4 of 10



1 PARTIAL SITE UTILITY PLAN
 C-1.3 SCALE: 1" = 20'



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DRAWN BY:	TSP	
CHK'D BY:	DMD	
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Professional Engineer Seal: DMD, State of Connecticut, No. 10000, Exp. 12/31/15

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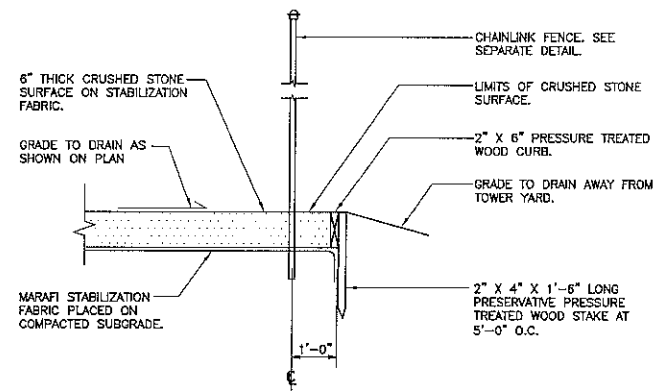
CENITEK engineering
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 45-2 North Branford Road
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Celco Partnership d/b/a Verizon Wireless
 WIRELESS COMMUNICATIONS FACILITY
CORNWALL, CT
 16 BELL ROAD EXTENSION
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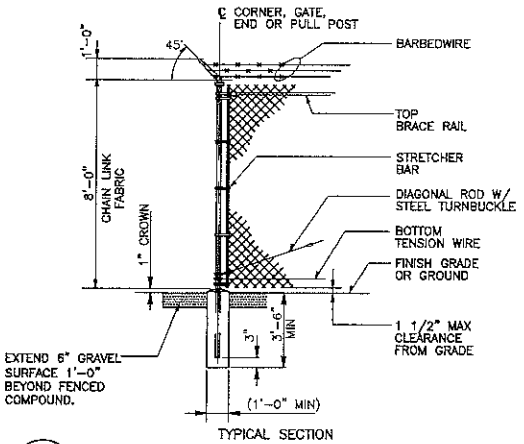
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PARTIAL SITE UTILITY PLAN

C-1.3
 Sheet No. 5 of 10

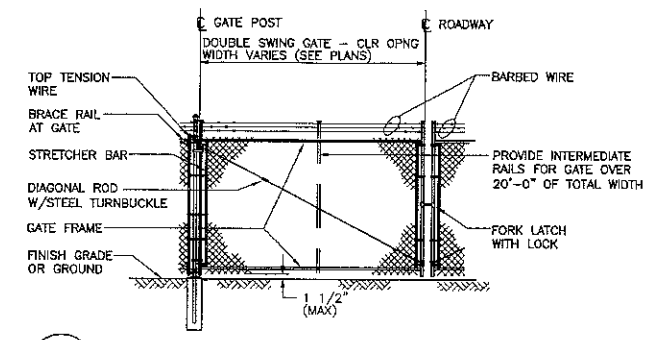


1 COMPOUND SURFACING DETAIL
C-4 NOT TO SCALE

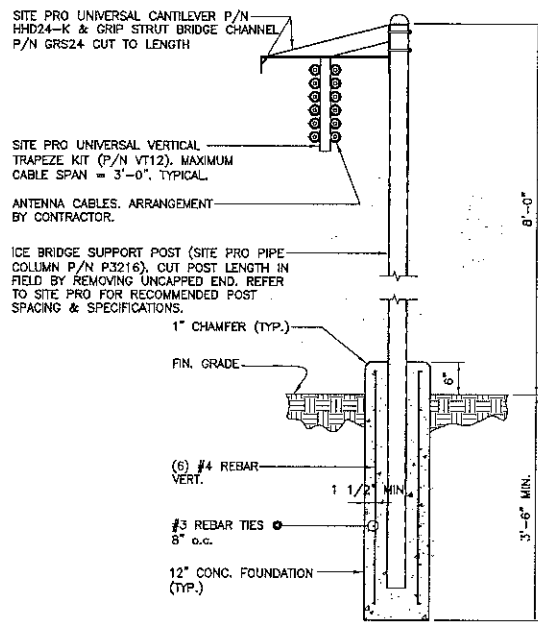


2 WOVEN WIRE FENCE DETAIL
C-4 NOT TO SCALE

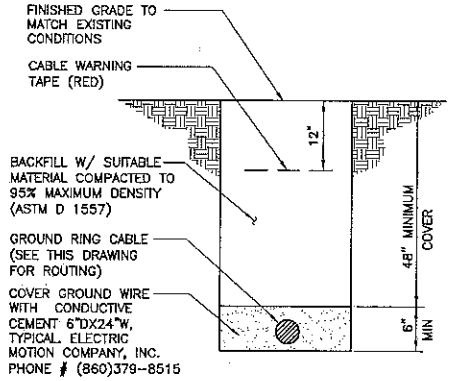
- WOVEN WIRE FENCE NOTES**
- GATE POST, CORNER, TERMINAL OR PULL POST 2 1/2" # SCHEDULE 40 FOR GATE WIDTHS UP THRU 6 FEET OR 12 FEET FOR DOUBLE SWING GATE PER ASTM-F1083.
 - LINE POST: 2" # SCHEDULE 40 PIPE PER ASTM-F1083.
 - GATE FRAME: 1 1/2" # SCHEDULE 40 PIPE PER ASTM-F1083.
 - TOP RAIL & BRACE RAIL: 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 TIE AND AT 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 PT. BARBS SPACED ON APPROXIMATELY 5" CENTERS.
 - GATE LATCH: DROP DOWN LOCKABLE FORK LATCH AND LOCK, KEYS ALIKE FOR ALL SITES IN A GIVEN MTA.
 - LOCAL ORDINANCE OF BARBED WIRE PERMIT REQUIREMENT SHALL BE COMPLIED WITH IF REQUIRED.
 - COMPOUND FENCE HEIGHT = 8' VERTICAL + 1' BARBED WIRE VERTICAL DIMENSION.
 - SAFETY FENCE HEIGHT = 6' VERTICAL DIMENSION (NO BARBED WIRE REQUIRED).



2A WOVEN WIRE SWING GATE-DOUBLE
C-4 NOT TO SCALE

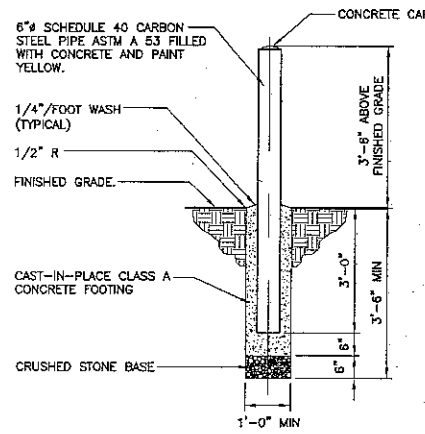


3 ICE BRIDGE DETAIL
C-4 NOT TO SCALE

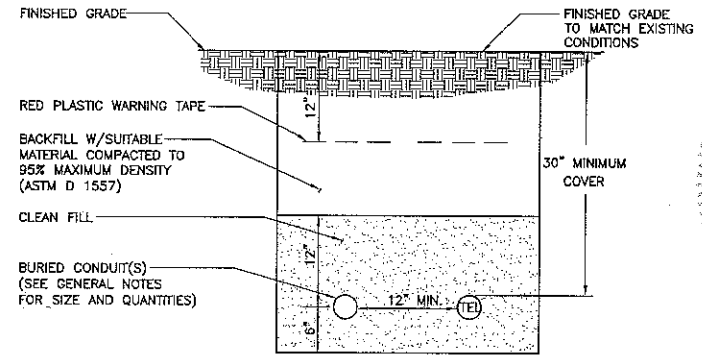


4 TYPICAL BURIAL GROUND CABLE DETAIL
C-4 NOT TO SCALE

- NOTES:**
- BACK FILL SHALL NOT CONTAIN ASHES, CINDERS, 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.

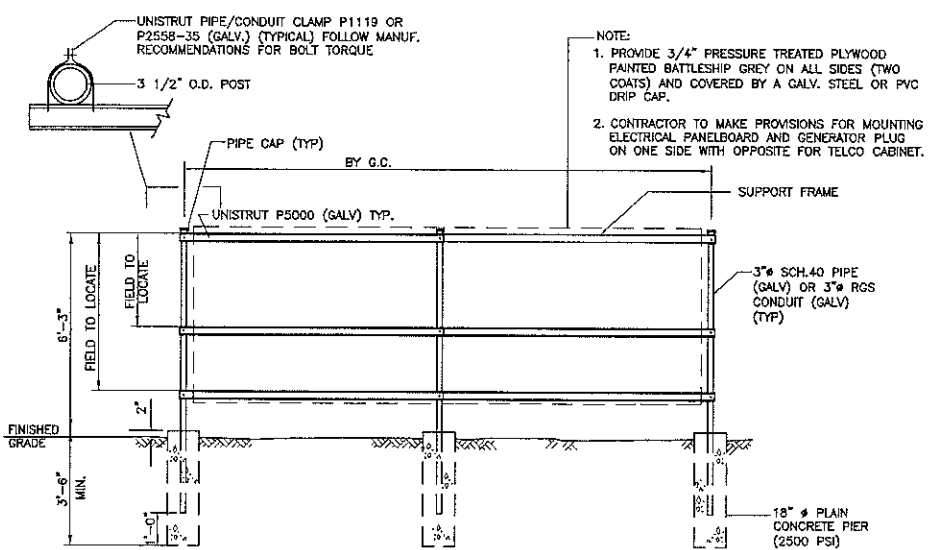


5 BOLLARD DETAIL
C-4 NOT TO SCALE



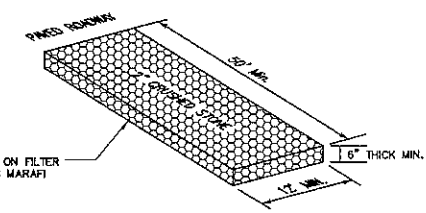
6 TYPICAL ELECTRICAL/TEL TRENCH DETAIL
C-4 NOT TO SCALE

- NOTES:**
- THE CLEAN FILL SHALL PASS THROUGH A 3/8" MESH SCREEN AND SHALL NOT CONTAIN SHARP STONES. OTHER BACKFILL SHALL NOT CONTAIN ASHES, CINDERS, 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.

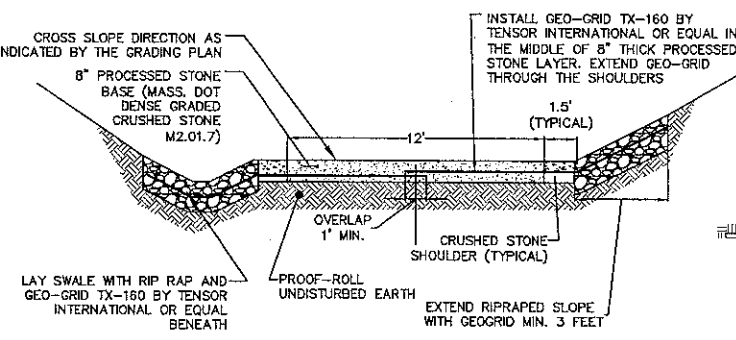


7 UTILITY SUPPORT FRAME (TYP)
C-4 NOT TO SCALE

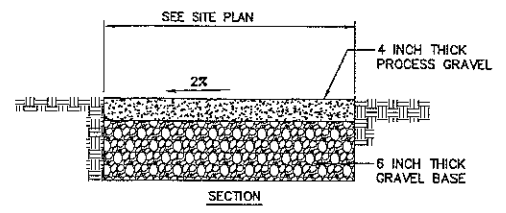
- NOTE:**
- PROVIDE 3/4" PRESSURE TREATED PLYWOOD PAINTED BATTLESHIP GREY ON ALL SIDES (TWO COATS) AND COVERED BY A GALV. STEEL OR PVC DRIP CAP.
 - CONTRACTOR TO MAKE PROVISIONS FOR MOUNTING ELECTRICAL PANELBOARD AND GENERATOR PLUG ON ONE SIDE WITH OPPOSITE FOR TELCO CABINET.



8 CONSTRUCTION ENTRANCE ANTI-TRACKING PAD
C-4 NOT TO SCALE



9 REINFORCED PROCESSED STONE ACCESS DRIVEWAY
C-4 NOT TO SCALE



10 GRAVEL SURFACE PARKING AREA AND ACCESS DRIVE
C-4 NOT TO SCALE

DESIGNED BY: CFC
 DRAWN BY: TSP
 CHK'D BY: DMD

REV.	DATE	DESCRIPTION
01	09/17/12	ISSUED FOR DAM
02	09/17/12	ISSUED FOR DAM
03	09/17/12	ISSUED FOR DAM
04	09/17/12	ISSUED FOR DAM
05	09/17/12	ISSUED FOR DAM
06	09/17/12	ISSUED FOR DAM
07	09/17/12	ISSUED FOR DAM
08	09/17/12	ISSUED FOR DAM
09	09/17/12	ISSUED FOR DAM
10	09/17/12	ISSUED FOR DAM

Cellco Partnership
 d.b.a. Verizon Wireless

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 (203) 466-0397 Fax
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CORNWALL, CT
 16 BELL ROAD EXTENSION
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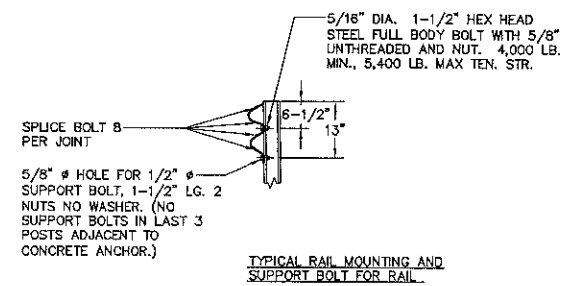
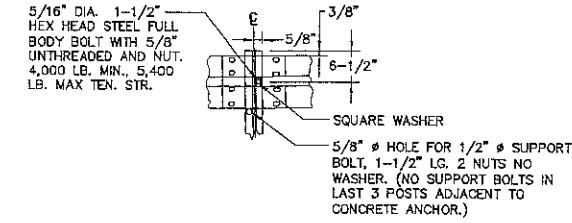
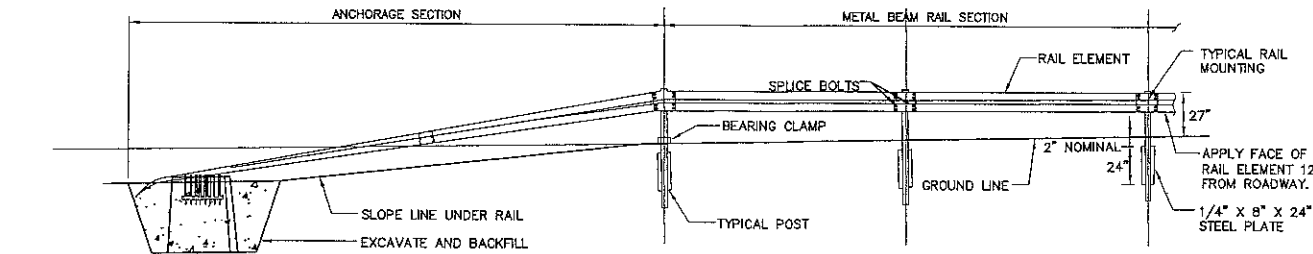
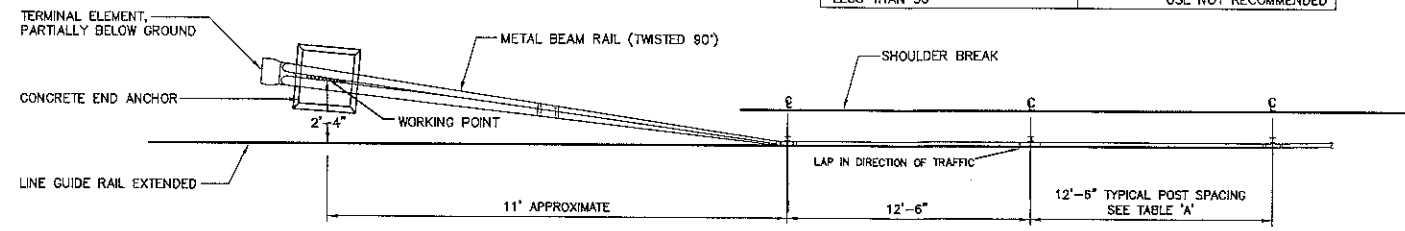
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 SCALE: AS NOTED
 JOB NO. 08168

SITE DETAILS

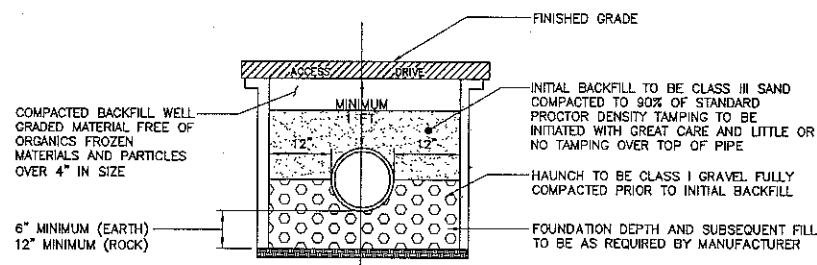
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Sheet No. 8 of 10

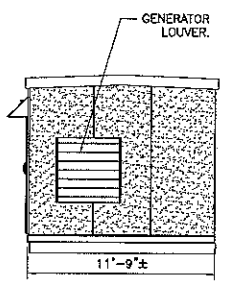
TABLE 'A'	
CURVATURE (DEGREE OR RADIUS)	POST SPACING
LESS THAN 26'(220 RAD. OR MORE)	12'-6"
219' TO 111'	6'-3"
110' TO 76'	4'-2"
75' TO 50'	3'-1/2"
LESS THAN 50'	USE NOT RECOMMENDED



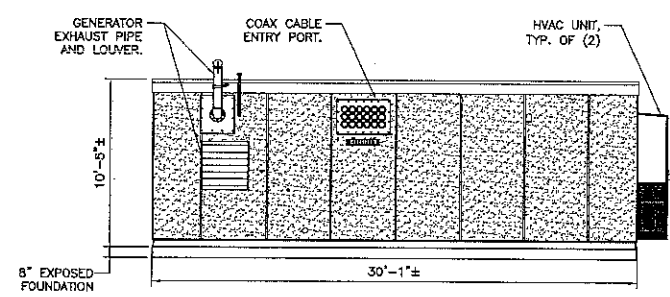
1 METAL BEAM RAIL
 C-5 NOT TO SCALE



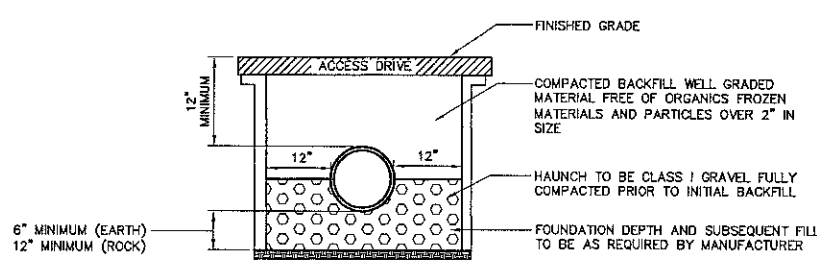
2 RCP PIPE BEDDING
 C-5 NOT TO SCALE



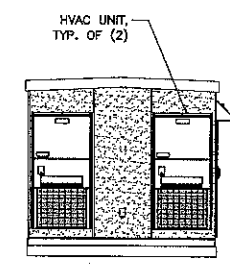
4 EASTERN SHELTER ELEVATION
 C-5 SCALE: 3/16" = 1'-0"



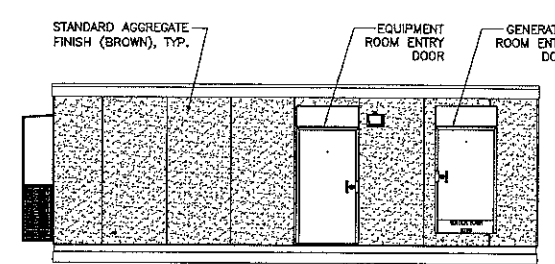
5 NORTHERN SHELTER ELEVATION
 C-5 SCALE: 3/16" = 1'-0"



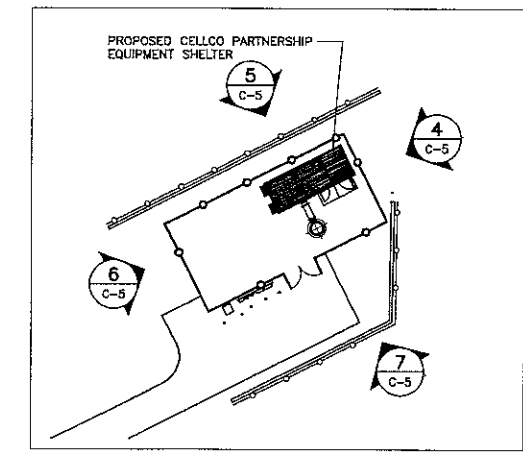
3 DUCTILE IRON PIPE BEDDING
 C-5 NOT TO SCALE



6 WESTERN SHELTER ELEVATION
 C-5 SCALE: 3/16" = 1'-0"



7 SOUTHERN SHELTER ELEVATION
 C-5 SCALE: 3/16" = 1'-0"



SHELTER ELEVATION KEY PLAN
 NOT TO SCALE
 TRUE NORTH

DESIGNED BY: CFC
 DRAWN BY: TSP
 CHK'D BY: DMD

REV.	DATE	DESCRIPTION
1	08/31/12	ISSUED FOR DAM
2	09/17/12	ISSUED FOR DAM
3		CLIENT REVIEW

Professional Engineer Seal
 Calico Partnership
 d.b.a. Verizon Wireless

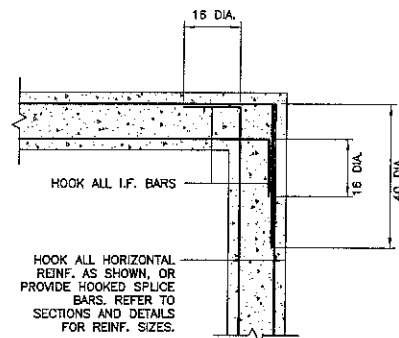
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 Continued on Sheet C-4
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CORNWALL, CT
 16 BELL ROAD EXTENSION
 CORNWALL, CT 06754

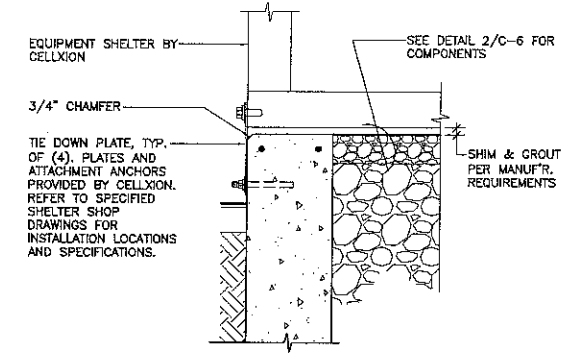
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 SCALE: AS NOTED
 JOB NO. 08158

SITE DETAILS AND SHELTER ELEVATIONS

C-5
 Sheet No. 2 of 10

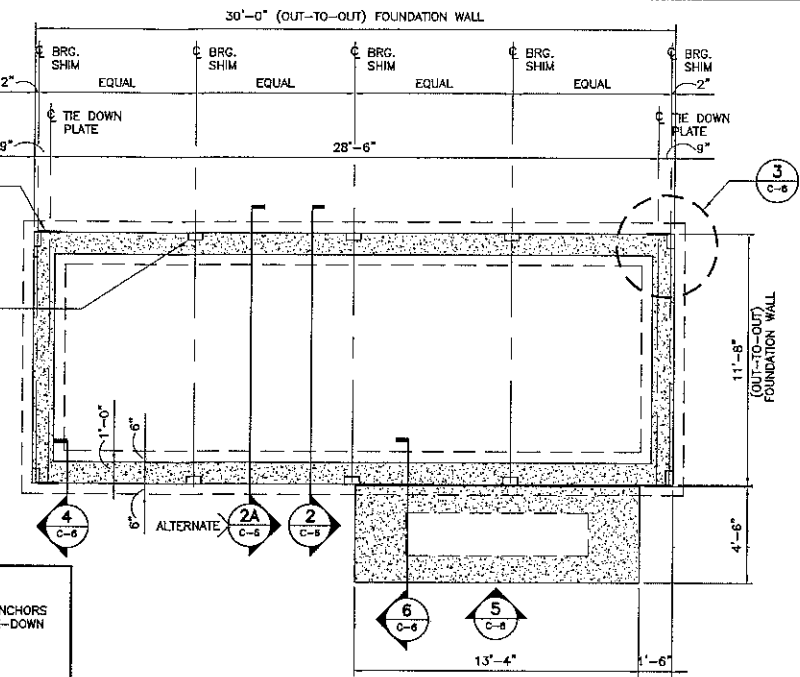


3 PLAN DETAIL
C-6 NOT TO SCALE

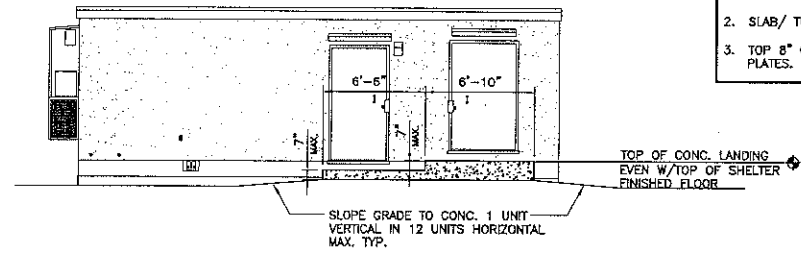


4 BUILDING TIE DOWN
C-6 SCALE: 1"=1'-0"

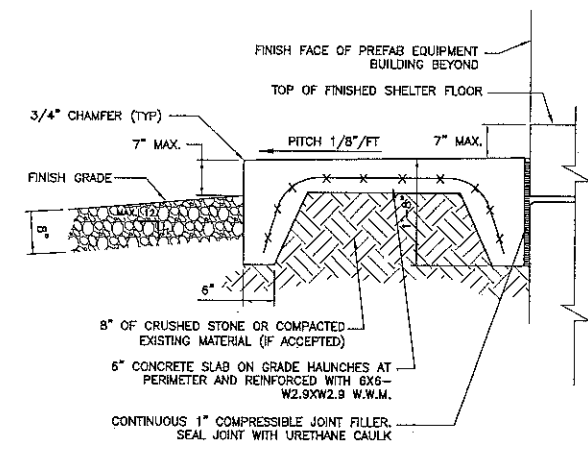
- NOTES**
- BEARING SHIMS, TIE-DOWN PLATES AND ASSOCIATED INSTALLATION ANCHORS PROVIDED BY CELLXION. CONTRACTOR SHALL VERIFY ALL SHIM & TIE-DOWN QUANTITIES AND LOCATIONS WITH CELLXION PRIOR TO PERFORMING FOUNDATION WORK.
 - SLAB/ TOP OF WALL TOLERANCE IS 1/4"±
 - TOP 8" OF FOUNDATION SIDES MUST BE FORMED FLAT TO ACCEPT TIE-DOWN PLATES.



1 FOUNDATION PLAN
C-6 SCALE: 1/4"=1'-0"



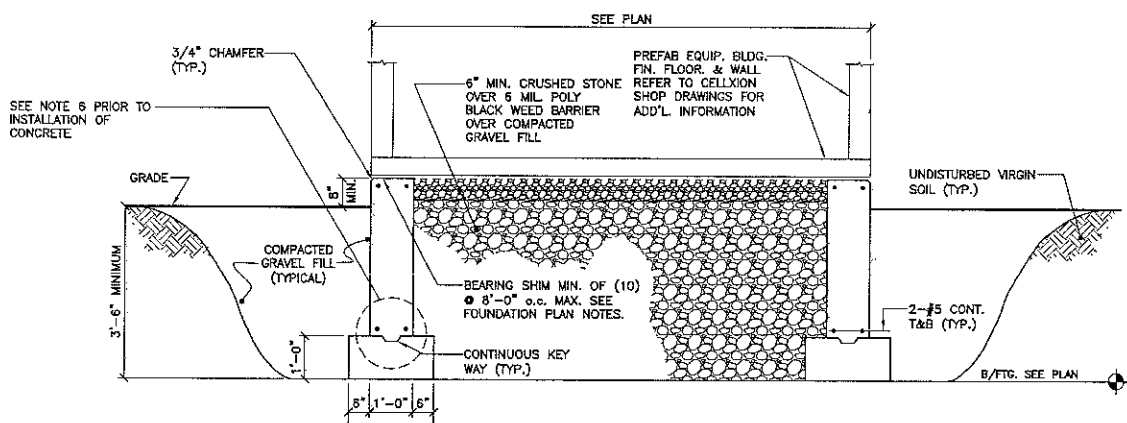
5 ENTRY STOOP DETAIL - ELEVATION
C-6 SCALE: 3/16"=1'-0"



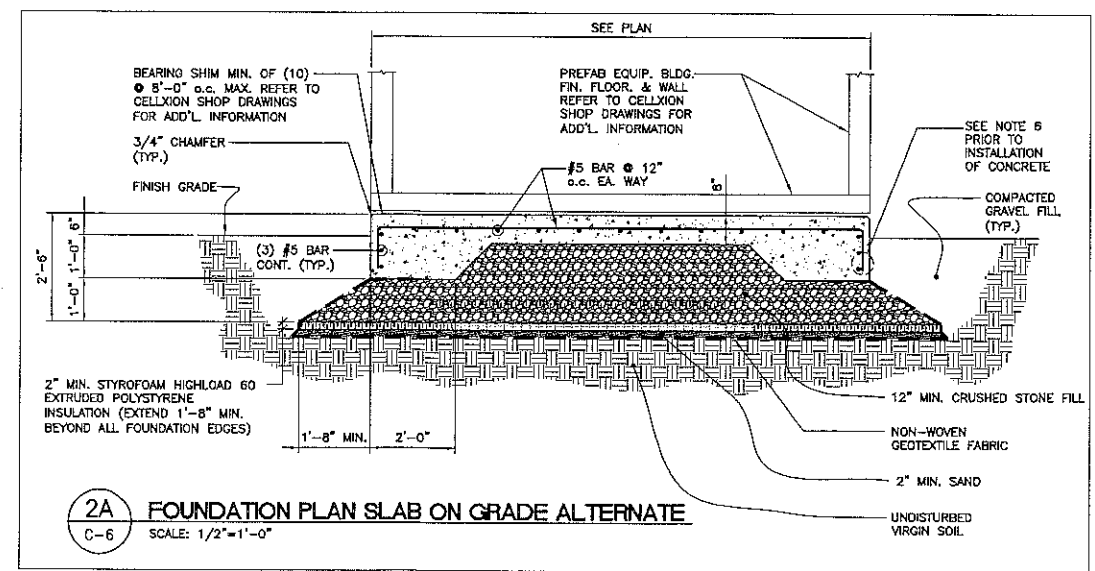
6 ENTRY STOOP DETAIL - SECTION
C-6 SCALE: 3/16"=1'-0"

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

SLAB ON GRADE FOUNDATION DESIGN CONFORMS TO THE REQUIREMENTS OF THE 2003 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2005 CONNECTICUT STATE BUILDING CODE SUPPLEMENT SECTION 1805.2.1 'FROST PROTECTION' AND SEI/ASCE STANDARD 32-01 SECTION 7.1 'SLAB ON GRADE CONSTRUCTION'.



2 TYPICAL SECTION
C-6 SCALE: 1/2"=1'-0"



2A FOUNDATION PLAN SLAB ON GRADE ALTERNATE
C-6 SCALE: 1/2"=1'-0"

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 COORDINATE 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 PROCEEDING, SHOULD ANY UNCOVERED EXISTING UTILITY 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 SUBGRADE 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 CONFORMANCE 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 PROCEED WITH AFFECTED WORK AFTER CONFLICT 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 M.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. EACH LAYER SHALL BE LEVELLED OFF BY SUITABLE EQUIPMENT. THE ENTIRE AREA OF EACH LAYER SHALL BE COMPACTED BY USE OF APPROVED VIBRATORY PNEUMATIC-TIRED OR TREAD-TYPE COMPACTION EQUIPMENT. COMPACTION 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 AASHTO T-99 METHOD C. THE MOISTURE CONTENT OF THE GRAVEL SHALL NOT VARY BY MORE THAN 3%± FROM ITS OPTIMUM MOISTURE CONTENT. NO SUBSEQUENT LAYER SHALL BE DEPOSITED UNTIL THE SPECIFIED COMPACTION IS ACHIEVED FOR THE PREVIOUS LAYER. IF NECESSARY TO OBTAIN THE REQUIRED COMPACTION, WATER SHALL BE ADDED AND GENTLE PUDDLING PERFORMED IF AUTHORIZED. COMPACTED GRAVEL FILL SHALL BE PREVENTED FROM FREEZING BY USE OF APPROVED ADMIXTURES OR BY USE OF 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, 6% AIR ENTRAINED 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, SPLICES 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:
 #5 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 RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT DURING DRILLING WITHOUT PRIOR REVIEW BY THE ENGINEER.

DESIGNED BY: CFC
 DRAWN BY: TSP
 CHK'D BY: DMD

NO.	DATE	ISSUED FOR	BY	DESCRIPTION
1	08/17/12	DMD	CFC	ISSUED FOR DAM - CLIENT REVIEW
0	08/17/12	DMD	CFC	ISSUED FOR DAM - CLIENT REVIEW

DATE: 08/17/12
 SCALE: AS NOTED
 JOB NO.: 08168

SHELTER FOUNDATION PLAN, DETAILS & NOTES

C-6

Sheet No. 10 of 10

CELLXION ENGINEERING
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