

TRUMBULL SE 4

**60 Commerce Drive
Trumbull, Connecticut**

Description of Proposed Cell Site

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

TABLE OF CONTENTS

	Page
GENERAL CELL SITE DESCRIPTION	1
U.S.G.S. TOPOGRAPHIC MAP.....	2
AERIAL PHOTOGRAPH.....	3
SITE EVALUATION REPORT	4
FACILITIES AND EQUIPMENT SPECIFICATION.....	6
ENVIRONMENTAL ASSESSMENT STATEMENT.....	7

SITE NAME: 60 COMMERCE DRIVE, TRUMBULL, CT

GENERAL CELL SITE DESCRIPTION

The proposed Trumbull SE 4 cell site would be located in the northerly portion of an approximately 14 acre parcel owned by Pilot Corporation of America. The facility would consist of an 80-foot telecommunications tower and a 12' x 30' equipment shelter located near the base of the tower. The shelter would house Cellco's radio equipment and a diesel-fueled back-up generator. The tower and equipment shelter will be maintained within a 24' x 77' fenced compound, adjacent to the north side of the existing office building.

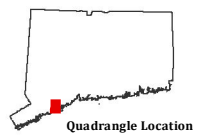
Cellco's antennas would be mounted with their centerline at the 80-foot level. The top of Cellco's antennas would extend above the top of the tower to an overall height of approximately 83 feet. Vehicular access to the site would extend from Commerce Drive over an existing paved driveway a distance of approximately 1,365 feet then over a short (100') gravel driveway extension to the site compound. Utility service would extend from existing service along Commerce Drive to the cell site.

Site Location Map



Source: U.S.G.S. 7.5 Minute Topographic
Quadrangle Maps (Long Hill, Bridgeport)

Proposed Verizon Telecommunications Tower 60 Commerce Drive Trumbull, Connecticut



Quadrangle Location

Friday, February 14, 2014





Site Aerial Map



Source: 2012 CT DEEP High Resolution Orthoimagery (1-ft resolution)

Legend

-  Proposed Tower Location
-  Proposed 24' x 77' +/- Gravel/Fenced Compound Area

Proposed Verizon Telecommunications Tower 60 Commerce Drive Trumbull, Connecticut



Tuesday, January 28, 2014

SITE EVALUATION REPORT

SITE NAME: 60 COMMERCE DRIVE, TRUMBULL, CT

I. TOWER LOCATION

- A. COORDINATES: 41°-14'-44.160" N 73°-08'-44.014" W
- B. GROUND ELEVATION: Approximately 170± feet AMSL
- C. USGS MAP: Long Hill, Bridgeport, CT
- D. SITE ADDRESS: 60 Commerce Drive, Trumbull, CT
- E. ZONING WITHIN 1/4 MILE OF SITE: Land within 1/4 mile of the cell site is in the Industrial (I-L3) zone district and Residence A zone to the east.

II. DESCRIPTION

- A. SITE SIZE: 24' x 82' Leased Area
24' x 77' Compound Area
- B. LESSOR'S PARCEL: Approximately 14 acres
- C. TOWER TYPE/HEIGHT: 80' Monopole Tower
83' Top of Antennas
- D. SITE TOPOGRAPHY AND SURFACE: Topography in the area of the site is generally flat. No tree clearing and minimal grading for construction of the site compound and northerly portion of the access drive will be required. No trees, 6" or greater diameter at breast height ("dbh") will need to be removed to construct the facility compound.
- E. SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER: The tower would be located in the northerly portion of an approximately 14 acre parcel used for light industrial/office purposes. The closest wetland area is located approximately 230 feet to the west of the facility compound.
- F. LAND USE WITHIN 1/4 MILE OF SITE: The 14 acre subject parcel is surrounded by light industrial uses in the Trumbull Corporate Park to the north, west and south and residential uses to the east. (See Aerial Photograph at p. 3).

III. FACILITIES

- A. POWER COMPANY: United Illuminating
- B. POWER PROXIMITY TO SITE: Approximately 500 feet at Commerce Drive to the southwest of the facility compound.
- 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 Commerce Drive over an existing paved driveway a distance of 1365 feet then over a short driveway extension an additional distance of 100 feet.
- F. CLEARING AND FILL REQUIRED: No tree clearing and minimal grading would be required for construction of the tower, site compound and gravel access drive. Detailed construction plans would be developed if this location is approved by the Siting Council.

IV. LEGAL

- A. PURCHASE [] LEASE [X]
- B. OWNER: Pilot Corporation of America
- C. ADDRESS: 60 Commerce Drive, Trumbull, CT
- D. DEED ON FILE AT: Town of Trumbull, CT Land Records

ENVIRONMENTAL ASSESSMENT STATEMENT

SITE NAME: 60 COMMERCE DRIVE, TRUMBULL, 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 approximately 230 feet to the west 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 tree clearing and minimal grading of the tower compound and gravel access drive extension 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 cellular, PCS, LTE and AWS antennas at the Trumbull SE 4 Facility would be 98.35% of the FCC Safety Standard.

F. VISIBILITY

See Visibility Report included as Attachment 9.

Cellco Partnership

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

WIRELESS COMMUNICATIONS FACILITY

TRUMBULL SE 4
60 COMMERCE DRIVE
TRUMBULL, CT 06611

SITE DIRECTIONS

FROM: 99 EAST RIVER DRIVE
EAST HARTFORD, CONNECTICUT **TO:** 60 COMMERCE DRIVE
TRUMBULL, CONNECTICUT

1. Start out going SOUTHWEST on E RIVER DRIVE toward PITKIN ST. 1.3 mi.
2. Merge onto US-5 S/CT-15 S toward 1-91 S / NEW HAVEN. 1.1 mi.
3. Merge onto I-91 A via EXIT 86 toward NEW HAVEN / NEW YORK CITY. 17.1 mi.
4. Merge onto CT-15 S via EXIT 17. 30.2 mi.
5. Merge onto CT-8 N via EXIT 52 toward WATERBURY. 1.4 mi.
6. Take the HUNTINGTON ROAD exit, EXIT 11. 0.1 mi.
7. Take the ramp toward STRATFORD / TRUMBULL. 0.04 mi.
8. Turn SLIGHT RIGHT onto HUNTINGTON ROAD. 0.03 mi.
9. Take the 1st RIGHT onto MERRITT BLVD. 0.8 mi.
10. Take the 1st LEFT onto COMMERCE DRIVE. 0.07 mi.

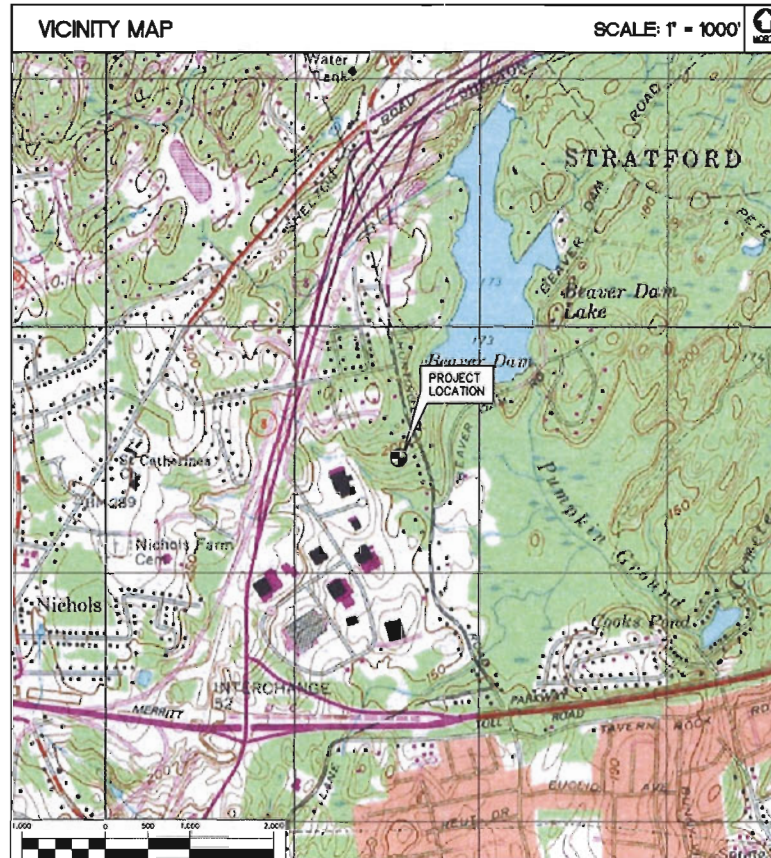
GENERAL NOTES

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

SITE INFORMATION

THE SCOPE OF WORK SHALL INCLUDE:

1. THE CONSTRUCTION OF A 24'x77' FENCED WIRELESS COMMUNICATIONS COMPOUND WITHIN A 24'x82' LEASE AREA.
2. A TOTAL OF (12) DIRECTIONAL PANEL ANTENNAS ARE PROPOSED TO BE MOUNTED AT A CENTERLINE ELEVATION OF 80'-0"± AGL ON A 80'-0"± PROPOSED STEEL MONOPOLE TOWER.
3. TOTAL ACCESS DRIVE LENGTH IS 1,485'± OFF OF COMMERCE DRIVE VIA AN EXISTING ACCESS DRIVE.
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. FINAL DEMARC LOCATION AND UTILITY ROUTING TO PROPOSED BACKBOARD WILL BE VERIFIED/DETERMINED BY LOCAL UTILITY COMPANIES. UTILITIES WILL BE ROUTED UNDERGROUND FROM UTILITY BACKBOARD TO THE PROPOSED NOMINAL 12'x30' WIRELESS EQUIPMENT SHELTER LOCATED WITHIN FENCED COMPOUND AREA.
5. FINAL DESIGN FOR TOWER AND ANTENNA MOUNTS SHALL BE INCLUDED IN THE D&M PLANS.
6. THE PROPOSED WIRELESS FACILITY INSTALLATION WILL BE DESIGNED IN ACCORDANCE WITH THE 2003 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2009 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.



PROJECT SUMMARY

SITE NAME: TRUMBULL SE 4
SITE ADDRESS: 60 COMMERCE DRIVE
TRUMBULL, CT 06611
PROPERTY OWNER: PILOT CORPORATION OF AMERICA
3855 REGENT BLVD
JACKSONVILLE, FL 32224
LESSEE/TENANT: CELSCO PARTNERSHIP
d.b.a. VERIZON WIRELESS
99 EAST RIVER DRIVE
EAST HARTFORD, CT 08108
CONTACT PERSON: SANDY CARTER
CELLSCO PARTNERSHIP
d.b.a. VERIZON WIRELESS
99 EAST RIVER DRIVE
EAST HARTFORD, CT 08108
TOWER COORDINATES: LATITUDE 41°-14'-44.180"
LONGITUDE 73°-08'-44.014"
PROPOSED GROUND ELEVATION: 170.0'± A.M.S.L.
COORDINATES AND GROUND ELEVATION BASED ON FAA
2-C SURVEY CERTIFICATION AS PREPARED FOR VERIZON
WIRELESS, BY MARTINEZ COUCH AND ASSOCIATES DATED
NOVEMBER 14, 2013

SHEET INDEX

SHT. NO.	DESCRIPTION	REV. NO.
T-1	TITLE SHEET	3
C-1	ABUTTERS MAP	3
C-1A	PARTIAL SITE/SURVEY PLAN	2
C-2	COMPOUND PLAN, ELEVATION AND ANTENNA MOUNTING CONFIGURATION	2
C-3	SITE CONSTRUCTION, S&E CONTROL NOTES & DETAILS	2
C-4	SITE DETAILS AND NOTES	2
C-5	SITE DETAILS AND SHELTER ELEVATIONS	2
C-6	SHELTER FOUND. PLAN, DETAILS AND NOTES	2

PROFESSIONAL ENGINEER SEAL

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d.b.a. Verizon Wireless

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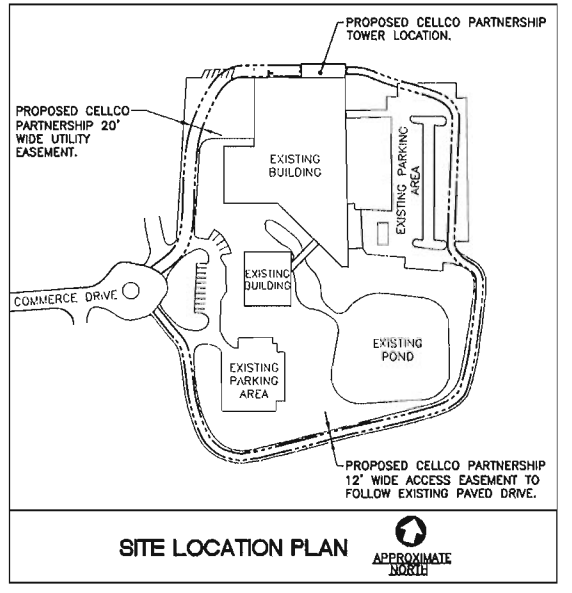
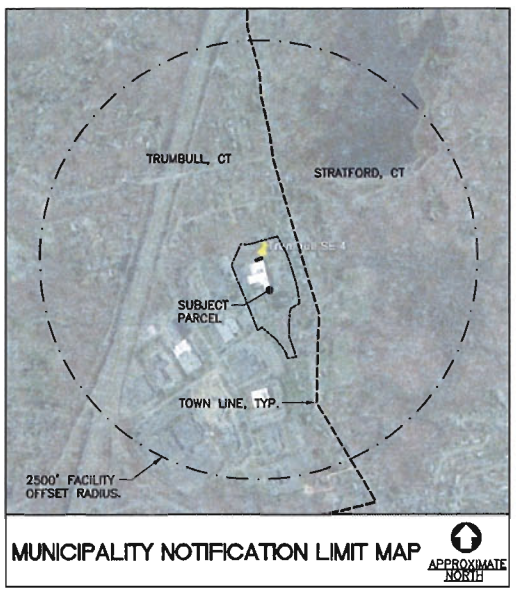
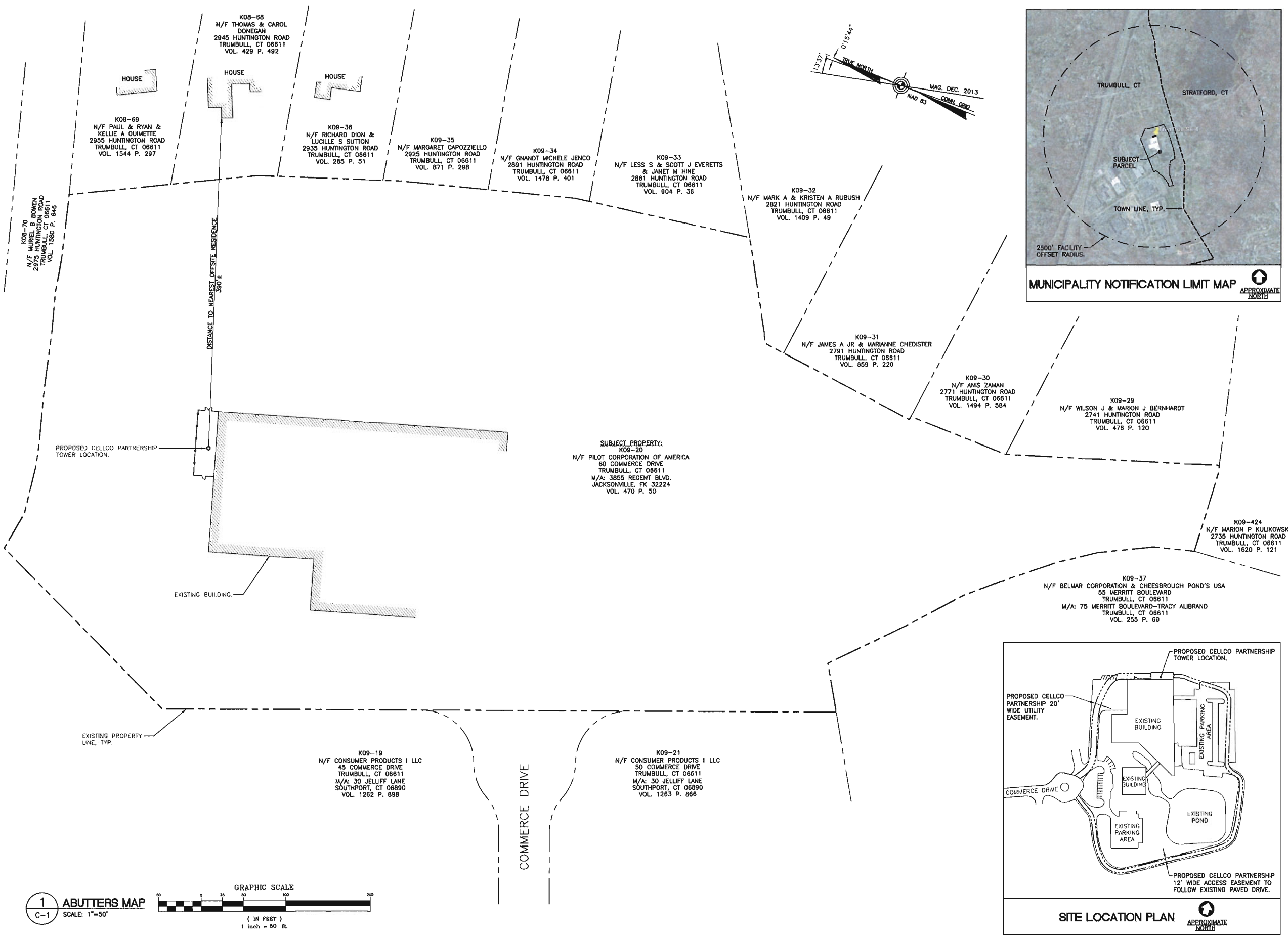
Cellco Partnership d/b/a Verizon Wireless
WIRELESS COMMUNICATIONS FACILITY
TRUMBULL SE 4
60 COMMERCE DRIVE
TRUMBULL, CT 06611

DATE: 01/28/14
SCALE: AS NOTED
JOB NO. 13209.000

TITLE SHEET

T-1
Sheet No. 1 of 8

REV.	DATE	DESCRIPTION
3	02/12/14	HMR DMD
2	02/11/14	HMR DMD
1	02/04/14	HMR DMD
0	01/31/14	HMR DMD
		CSC - ISSUED FOR CLIENT REVIEW



1 ABUTTERS MAP
 C-1 SCALE: 1"=50'

REV.	DATE	ISSUED FOR CLIENT REVIEW	DESCRIPTION
3	02/17/14	PHR	DND REVISED CSC
2	02/17/14	PHR	DND REVISED CSC
1	02/04/14	PHR	DND CSC
0	01/31/14	PHR	DND CSC



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 d.b.a. Verizon Wireless

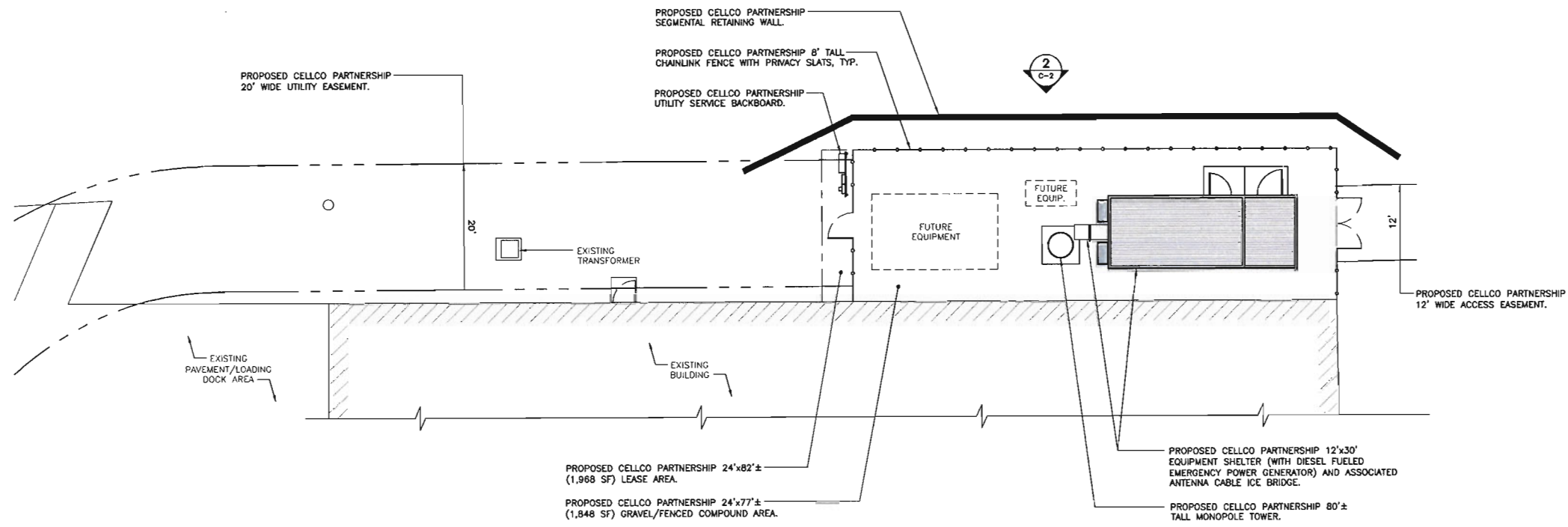
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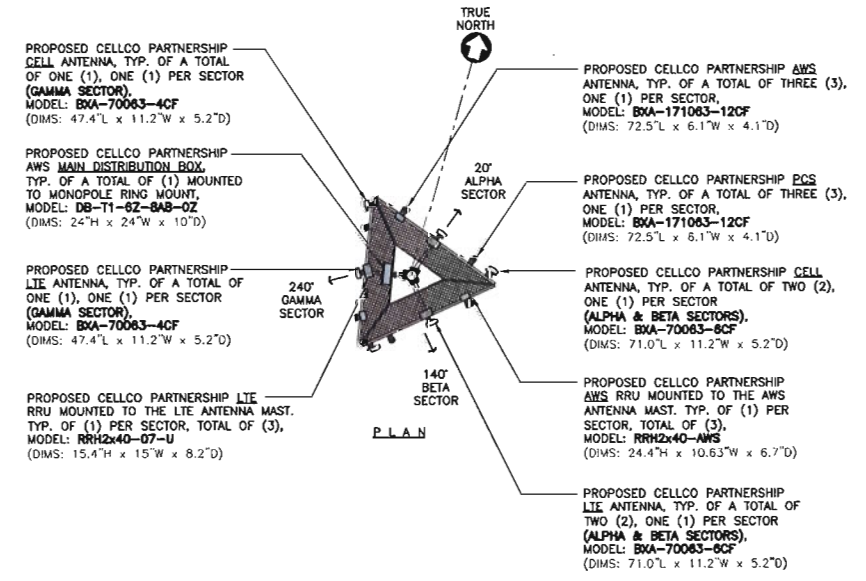
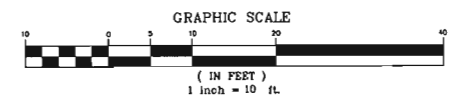
DATE: 01/28/14
 SCALE: AS NOTED
 JOB NO. 13209.000

ABUTTERS MAP

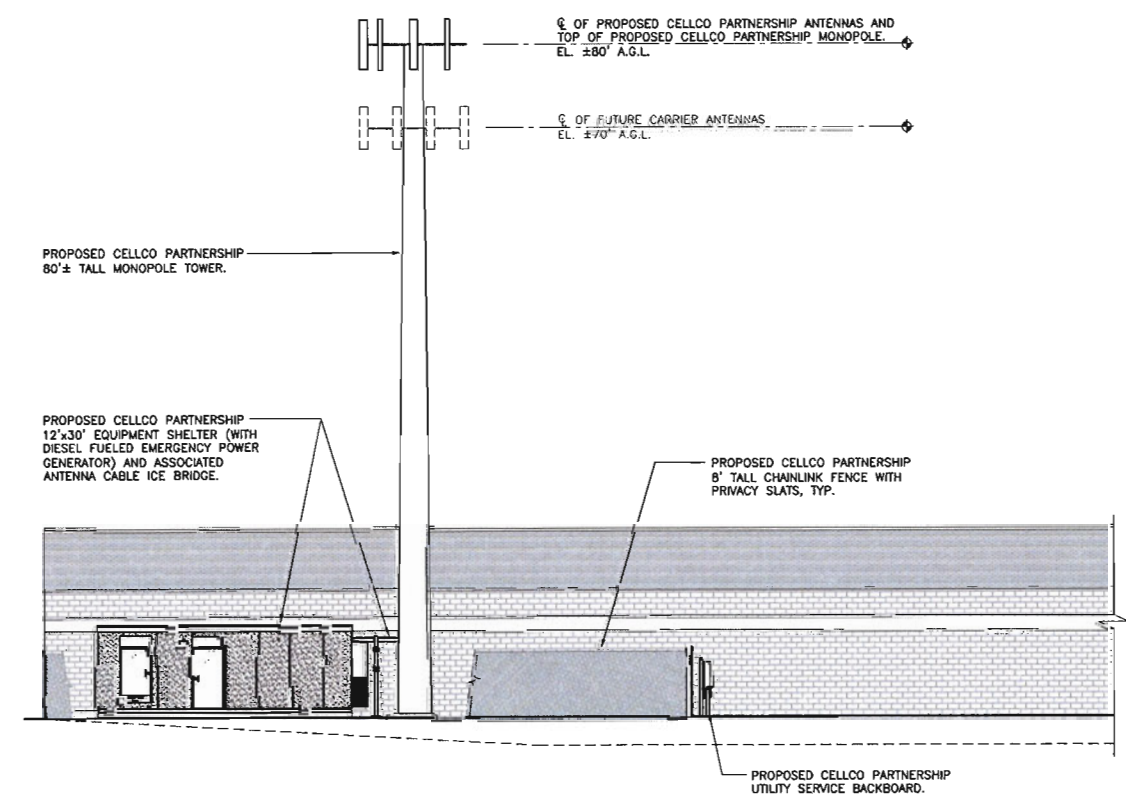
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 Sheet No. 2 of 3



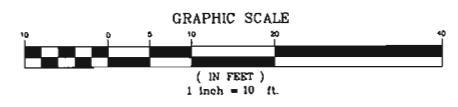
1 COMPOUND PLAN
C-2 SCALE: 1" = 10'



3 ANTENNA MOUNTING CONFIGURATION
C-2 NOT TO SCALE



2 NORTH ELEVATION
C-2 SCALE: 1" = 10'



REV.	DATE	BY	CHK'D BY	DESCRIPTION
2	02/11/14	HMR	DMD	REVISED CSC
1	02/04/14	HMR	DMD	CSC
0	01/31/14	HMR	DMD	CSC - ISSUED FOR CLIENT REVIEW



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TRUMBULL SE 4
60 COMMERCE DRIVE
TRUMBULL, CT 06611

DATE: 01/28/14
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COMPOUND PLAN,
ELEVATION AND
ANTENNA
MOUNTING CONFIG.

C-2
Sheet No. 4 of 8

GENERAL CONSTRUCTION / PRE-CONSTRUCTION NOTES

1. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES, A MANDATORY ON-SITE PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED WITH THE VERIZON WIRELESS CONSTRUCTION MANAGER, CONTRACTOR'S CONSTRUCTION MANAGER, THE PROJECT EROSION AND SEDIMENTATION CONTROL/ENVIRONMENTAL MONITOR AND THE ENGINEER OF RECORD.
2. THE SOUTHERN PROPERTY LINE ADJACENT TO THE PROPOSED ACCESS DRIVE IS STAKED IN FIELD. THE CONTRACTOR SHALL MAINTAIN THE PROPERTY LINE STAKE LOCATIONS DURING THE ENTIRE PERIOD OF CONSTRUCTION. ALL CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED ON THE SUBJECT PROPERTY.

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 SEEDED 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 SILTATION FENCES AS REQUIRED TO CONTROL SOIL EROSION.
6. INSTALL UNDERGROUND UTILITIES.
7. BEGIN TEMPORARY AND PERMANENT SEEDING AND MULCHING. ALL CUT AND FILL SLOPES SHALL BE SEEDED 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 REGARDED AREAS.
13. AFTER GRASS HAS BEEN FULLY GERMINATED IN ALL SEEDED AREAS, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.

SOIL EROSION AND SEDIMENT CONTROL SEQUENCE

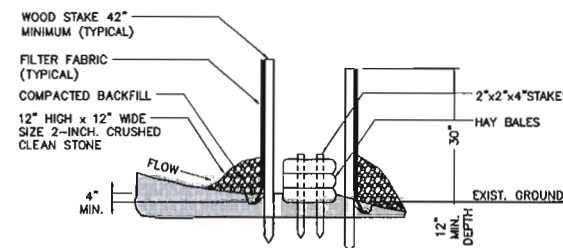
1. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS CONSTRUCTION ENTRANCE / ANTI TRACKING PAD, SILTATION FENCE, AND SILTATION FENCE / HAY BALE SHALL BE IN PLACE PRIOR TO ANY GRADING ACTIVITY. INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES. MEASURES SHALL BE LEFT IN PLACE AND MAINTAINED UNTIL CONSTRUCTION IS COMPLETED AND/OR AREA IS STABILIZED.
2. THE ENTRANCE TO THE PROJECT SITE IS TO BE PROTECTED BY STONE ANTI TRACKING PAD OF ASTM C-33, SIZE NO. 2 OR 3, OR D.O.T. 2" CRUSHED GRAVEL. THE STONE ANTI TRACKING PAD IS TO BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION PERIOD.
3. THE ENTRANCE TO THE PROJECT SITE IS TO BE PROTECTED BY STONE ANTI TRACKING PAD OF ASTM C-33, SIZE NO. 2 OR 3, OR D.O.T. 2" CRUSHED GRAVEL. THE STONE ANTI TRACKING PAD IS TO BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION PERIOD.
4. LAND DISTURBANCE WILL BE KEPT TO A MINIMUM AND RESTABILIZATIONS WILL BE SCHEDULED AS SOON AS PRACTICAL.
5. ALL SOIL EROSION AND SEDIMENT CONTROL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL INCLUDING THE LATEST DATE FROM THE COUNCIL ON SOIL AND WATER CONSERVATION.
6. ANY ADDITIONAL EROSION/SEDIMENTATION CONTROL DEEMED NECESSARY BY TOWN STAFF DURING CONSTRUCTION, SHALL BE INSTALLED BY THE DEVELOPER. IN ADDITION, THE DEVELOPER SHALL BE RESPONSIBLE FOR THE REPAIR/REPLACEMENT/MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL ALL DISTURBED AREAS ARE STABILIZED TO THE SATISFACTION OF THE TOWN STAFF.
7. 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.
8. SILTATION FENCE SHALL BE PLACED AS INDICATED BEFORE A CUT SLOPE 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 NOT SUBJECT TO EROSION, OR TO BE USED IN AREAS WHICH ARE NOT TO BE PAVED OR BUILT ON. SILTATION FENCE IS TO BE REPLACED AS NECESSARY TO PROVIDE PROPER FILTERING ACTION. THE FENCE IS TO REMAIN IN PLACE AND BE MAINTAINED TO INSURE EFFICIENT SILTATION CONTROL UNTIL ALL AREAS ABOVE THE EROSION CHECKS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED.
9. SWALE DISCHARGE AREA WILL BE PROTECTED WITH RIP RAP SPLASH PAD/ ENERGY DISSIPATER.
10. ALL FILL AREAS SHALL BE COMPACTED SUFFICIENTLY FOR THEIR INTENDED PURPOSE AND AS REQUIRED TO REDUCE SLIPPING, EROSION OR EXCESS SATURATION.
11. THE SOIL SHALL NOT BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBGRADE IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING OR PROPOSED SODDING OR SEEDING.
12. AFTER CONSTRUCTION IS COMPLETE AND GROUND IS STABLE, REMOVE SILTS IN THE RIP RAP ENERGY DISSIPATERS. REMOVE OTHER EROSION AND SEDIMENT DEVICES.

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 OF 16 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.

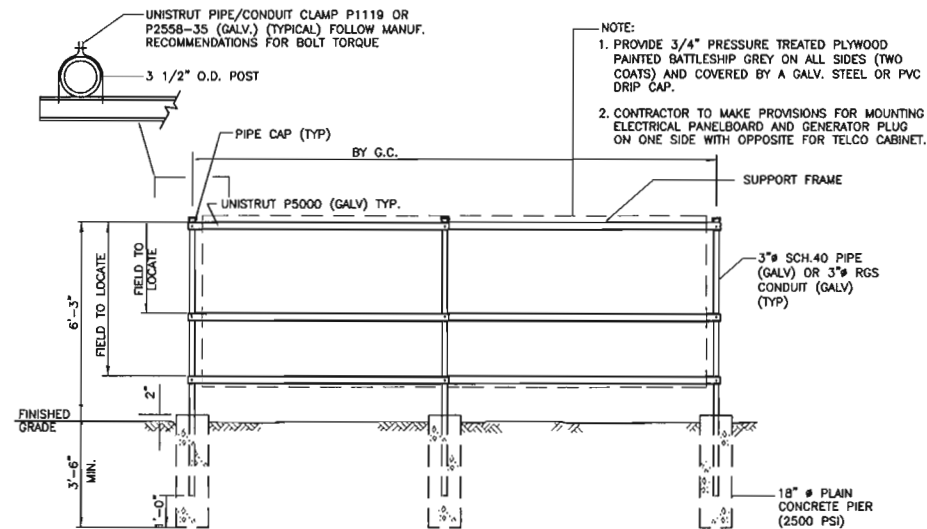
MAINTENANCE - SILT FENCE

1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS 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.

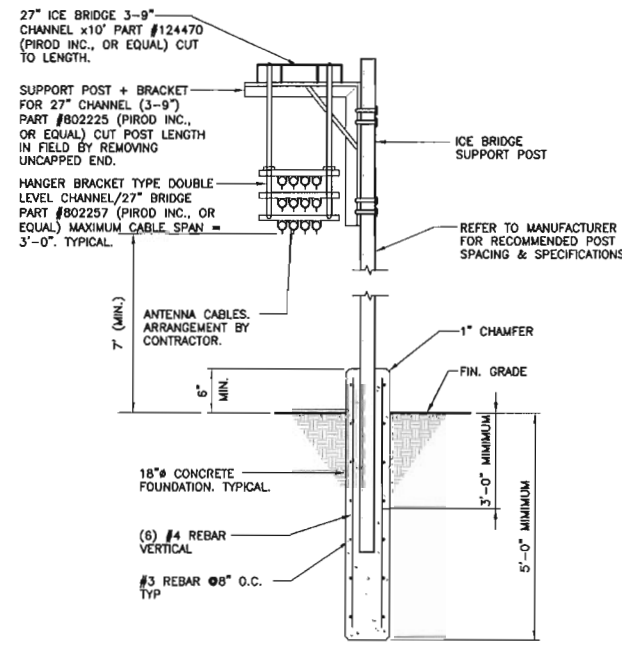


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C-3 NOT TO SCALE

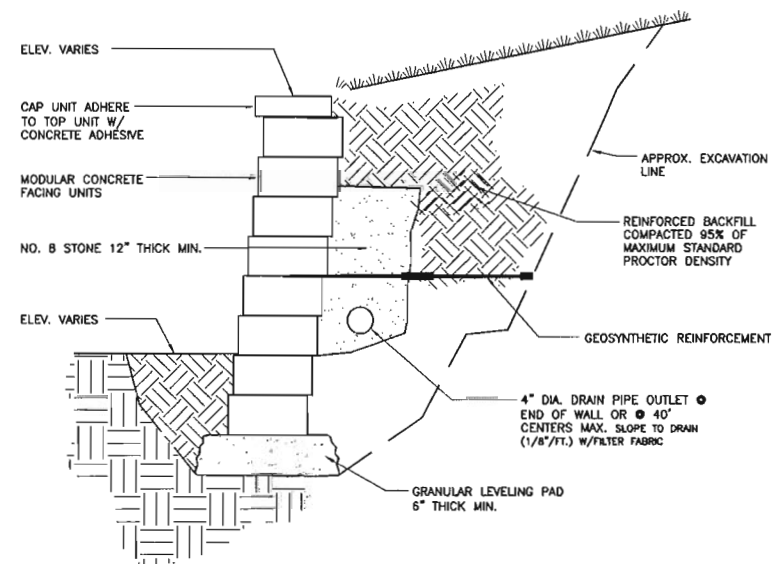
PROFESSIONAL ENGINEER SEAL	DATE	01/28/14
	SCALE:	AS NOTED
	JOB NO.	13209.000
	SITE CONSTRUCTION S&E CONTROL NOTES & DETAILS	
CENTEK Engineering Connected Solutions (203) 468-0380 (203) 468-6387 Fax 63-2 North Branford Road Branford, CT 06405 www.CentekEng.com	Cellco Partnership d/b/a Verizon Wireless TRUMBULL SE 4 60 COMMERCE DRIVE TRUMBULL, CT 06611	SHEET NO. 5 OF 8



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



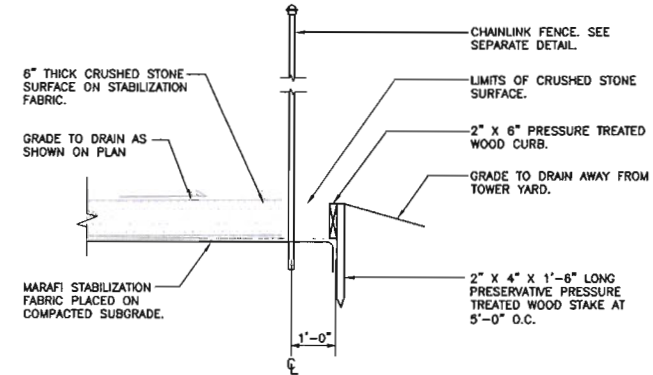
4 ICE BRIDGE DETAIL
C-4 NOT TO SCALE



3 SEGMENTAL RETAINING WALL DETAIL
C-4 NOT TO SCALE

MODULAR RETAINING WALL NOTES:

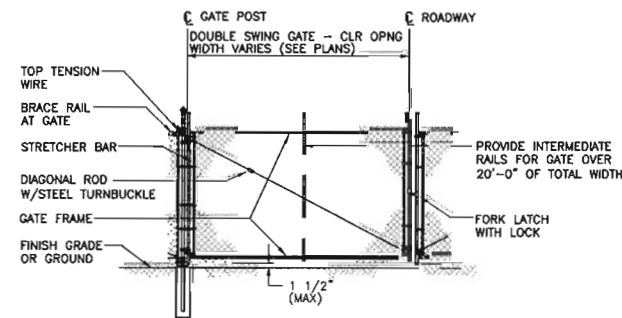
1. STRIP VEGETATION AND ORGANIC SOIL FROM WALL AND GEOSYNTHETIC ALIGNMENT.
2. BENCH CUT ALL EXCAVATED SLOPES.
3. DO NOT OVER EXCAVATE UNLESS DIRECTED BY SITE SOIL ENGINEER TO REMOVE UNSUITABLE SOIL.
4. SITE SOIL ENGINEER SHALL VERIFY FOUNDATION SOILS AS BEING COMPETENT PER THE DESIGN STANDARDS AND PARAMETERS.
5. BASE SHALL CONSIST OF COMPACTED GRAVEL, 6" THICK MIN.
6. CONTRACTOR MAY OPT FOR A LEAN CONCRETE PAD. CONCRETE PAD SHALL BE UNREINFORCED, 4" THICK.
7. MINIMUM EMBEDMENT OF WALL BELOW FINISH GRADE SHALL BE 2 COURSES OF BLOCK.
8. FOLLOW APPLICABLE PROVISIONS OF THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WRITTEN SPECIFICATIONS.
9. NO. 8 CRUSHED STONE SHALL BE INSTALLED BEHIND THE WALL UP TO 18" FROM THE TOP OF THE WALL. CRUSHED STONE SHALL NOT EXTEND BELOW FINISHED GRADE IN FRONT OF WALL.
10. WHERE DRAIN PIPE IS USED, PROVIDE OUTLETS @ MAX. 40 FT C-C.
11. FOR UNITS TO BE EMBEDDED, COMPACT FILL IN FRONT OF UNITS AT THE SAME TIME BACKFILL BEHIND UNITS IS COMPACTED.
12. COMPACTION TESTS SHALL BE TAKEN AS THE WALL IS INSTALLED. THE MINIMUM NUMBER OF TESTS SHALL BE DETERMINED BY THE ENGINEER.
13. COMPACTION SHALL BE TO 95% OF MAXIMUM STANDARD PROCTOR DENSITY. (ASTM D-698)
14. SEE SHOP DRAWINGS FOR GEOSYNTHETIC TYPE, LENGTH AND LOCATION REQUIRED.
15. GEOSYNTHETIC SHALL BE THE TYPE AND LENGTH AS SHOWN ON SHOP DRAWINGS. PULL GEOSYNTHETIC TIGHT PRIOR TO BACKFILLING.
16. GEOSYNTHETIC SHALL BE PLACED WITH STRONGEST DIRECTION PERPENDICULAR TO WALL. FOLLOW GEOSYNTHETIC MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WRITTEN SPECIFICATIONS.
17. THE CONTRACTOR SHALL SUBMIT A SHOP DRAWING SHOWING THE COMPLETE WALL SYSTEM AND ALL DETAILS BASED ON THE ACTUAL SOILS IN THE FIELD THESE SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CONNECTICUT
18. IF CONDITIONS ARE DIFFERENT THAN THOSE STATED IN THESE DRAWINGS AND SPECIFICATIONS, THE CONTRACTOR MUST CONTACT ENGINEER PRIOR TO PROCEEDING WITH THE CONSTRUCTION OF THE WALL.
19. IF WALL LEVELING PAD REQUIRES FILL IT SHALL BE COMPACTED GRAVEL FROM BOTTOM OF EXCAVATION TO SUITABLE SOIL TO BOTTOM OF WALL.



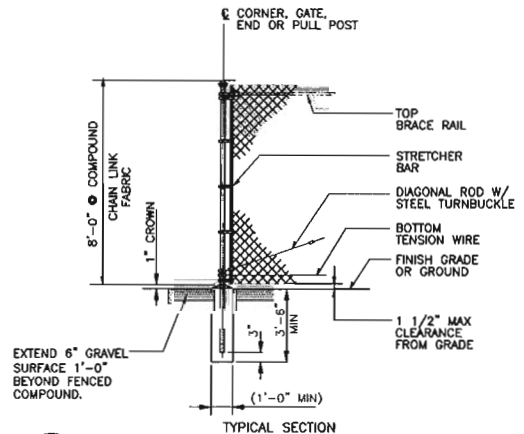
2 COMPOUND SURFACING DETAIL
C-4 NOT TO SCALE

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 HOC RINGS SPACED MAX 24" INTERVALS.
7. TENSION WIRE: 7 GA. GALVANIZED STEEL.
8. GATE LATCH: DROP DOWN LOCKABLE FORK LATCH AND LOCK, KEYED ALIKE FOR ALL SITES IN A GIVEN MTA.
9. COMPOUND FENCE HEIGHT = 8' VERTICAL.
10. VINYL PRCACY SLATS TO BE INSTALLED ON ALL FENCE AND GATE SECTIONS. COLOR: GREEN



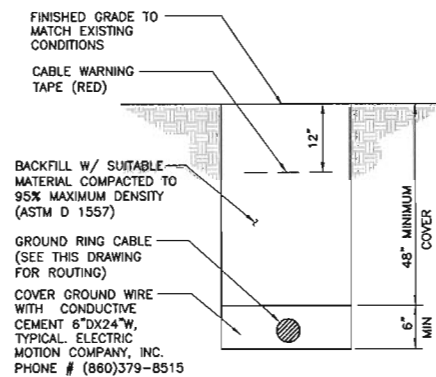
1A WOVEN WIRE SWING GATE-DOUBLE
C-4 NOT TO SCALE



1 WOVEN WIRE FENCE DETAIL
C-4 NOT TO SCALE

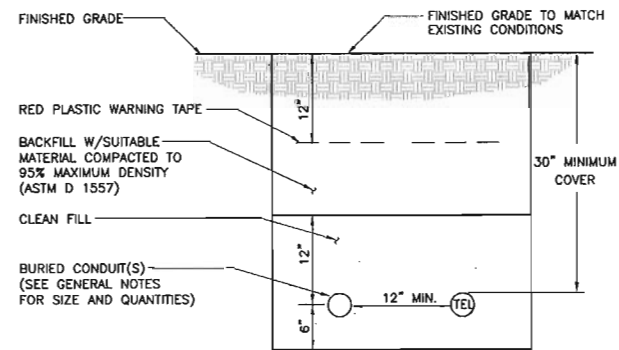
DATE	01/28/14
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JOB NO.	13209.000
SITE DETAILS AND NOTES	
C-4	
Sheet No. 5 of 8	

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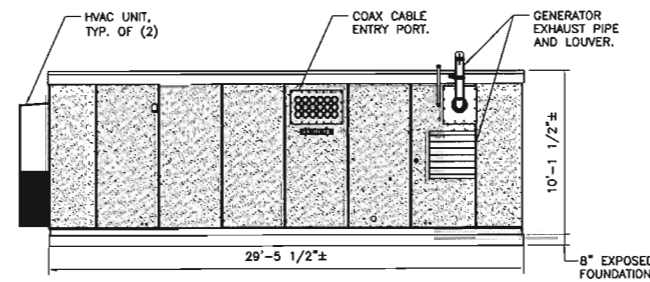
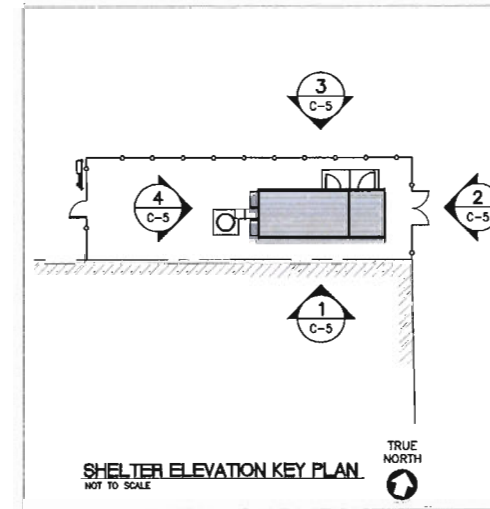
- NOTES:**
1. BACK FILL SHALL NOT CONTAIN ASHES, CINDERS, SHELLS, FROZEN MATERIAL, LOOSE DEBRIS OR STONES LARGER THAN 2" IN MAXIMUM DIMENSION.
 2. WHERE EXISTING UTILITIES ARE LIKELY TO BE ENCOUNTERED, CONTRACTOR SHALL HAND DIG AND PROTECT EXISTING UTILITIES.

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

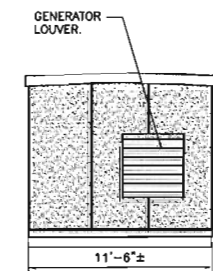


- NOTES:**
1. THE CLEAN FILL SHALL PASS THROUGH A 3/8" MESH SCREEN AND SHALL NOT CONTAIN SHARP STONES. OTHER BACKFILL SHALL NOT CONTAIN ASHES, CINDERS, SHELLS, FROZEN MATERIAL, LOOSE DEBRIS OR STONES LARGER THAN 2" IN MAXIMUM DIMENSION.
 2. WHERE EXISTING UTILITIES ARE LIKELY TO BE ENCOUNTERED, CONTRACTOR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

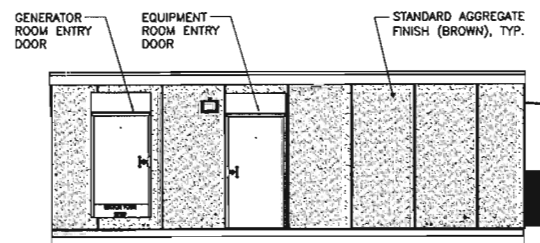
5 TYPICAL ELECTRICAL/TEL TRENCH DETAIL
C-5 NOT TO SCALE



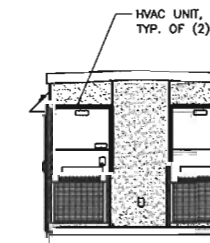
1 SOUTHERN SHELTER ELEVATION
C-5 SCALE: 3/16" = 1'-0"



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

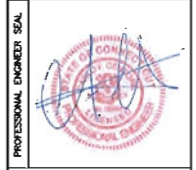


3 NORTHERN SHELTER ELEVATION
C-5 SCALE: 3/16" = 1'-0"



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

REV.	DATE	DRAWN BY	CHECKED BY	DESCRIPTION
2	02/17/14	HMR	DMD	REVISED CSC
1	02/04/14	HMR	DMD	CSC
0	07/31/14	HMR	DMD	CSC - ISSUED FOR CLIENT REVIEW



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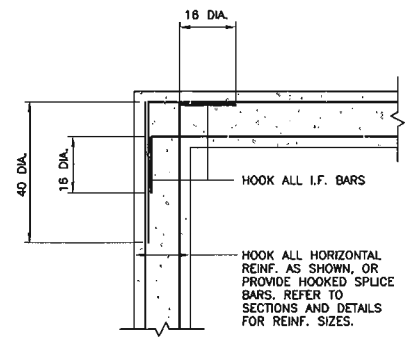
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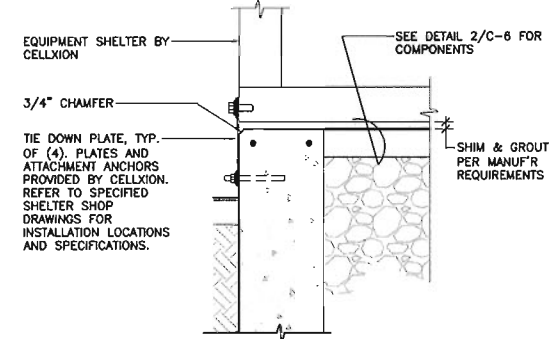
DATE: 01/28/14
SCALE: AS NOTED
JOB NO. 13209.000

SITE DETAILS
AND SHELTER
ELEVATIONS

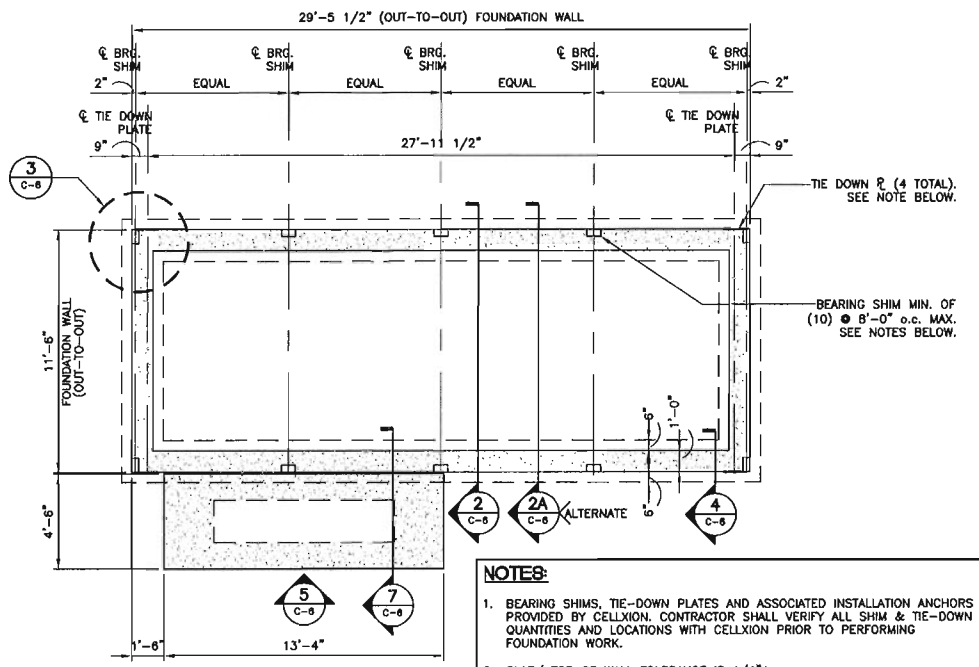
C-5
Sheet No. 7 of 8



3 PLAN DETAIL
C-6 NOT TO SCALE

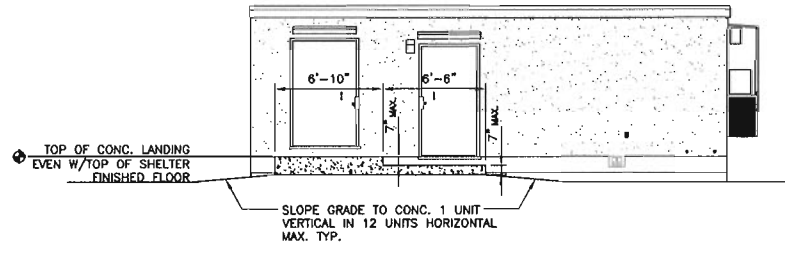


4 BUILDING TIE DOWN
C-6 SCALE: 1"=1'-0"

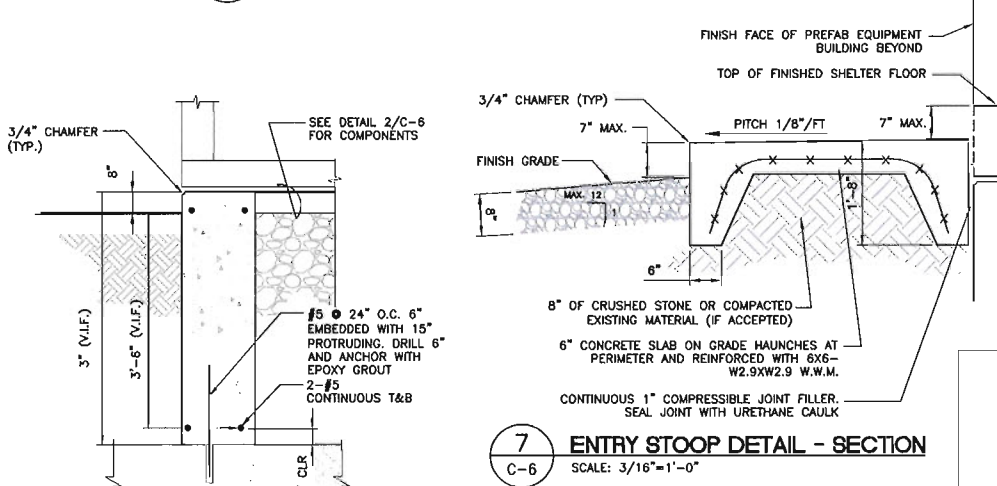


1 FOUNDATION PLAN
C-6 SCALE: 1/4"=1'-0" APPROX. NORTH

- NOTES:**
1. 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.
 2. SLAB/ TOP OF WALL TOLERANCE IS 1/4"±
 3. TOP 8" OF FOUNDATION SIDES MUST BE FORMED FLAT TO ACCEPT TIE-DOWN PLATES.



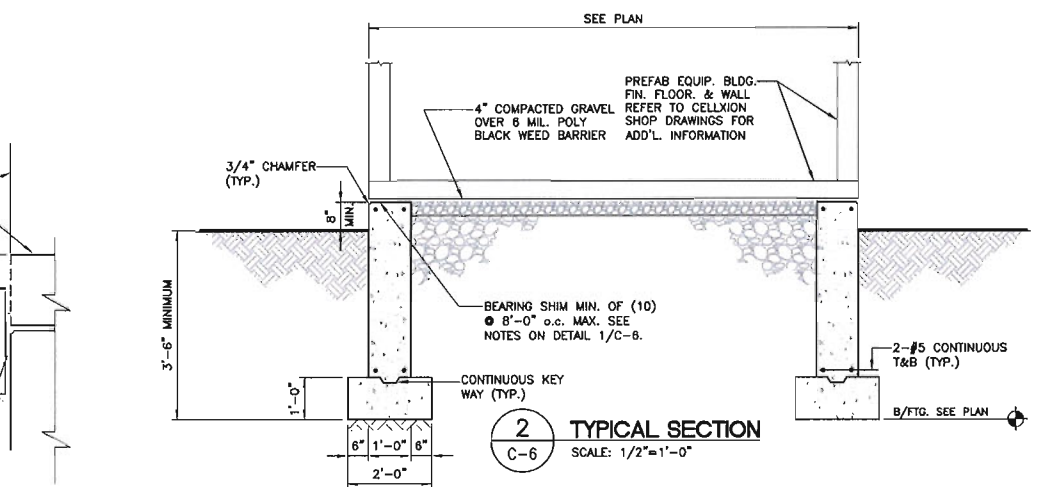
5 ENTRY STOOP DETAIL - ELEVATION
C-6 SCALE: 3/16"=1'-0"



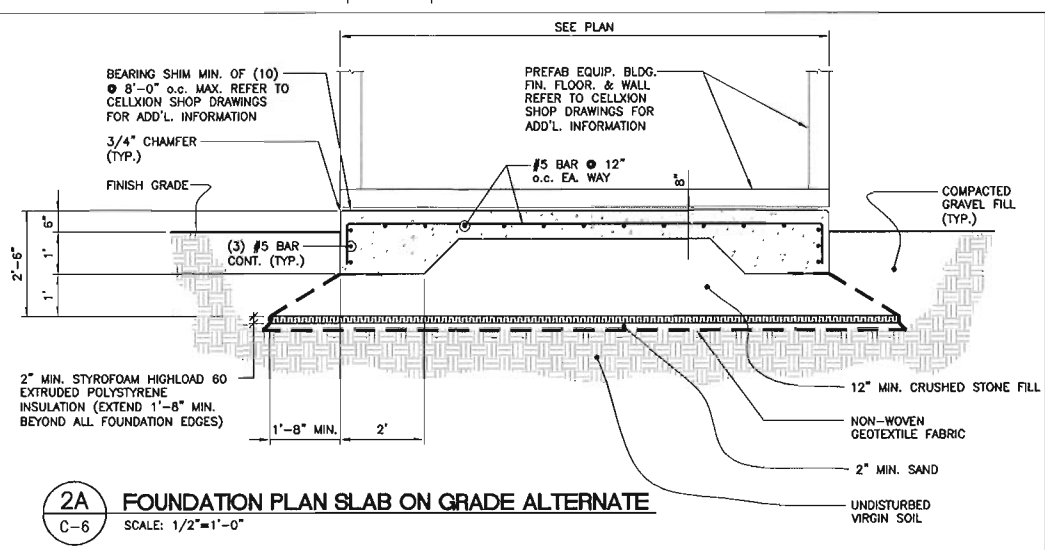
7 ENTRY STOOP DETAIL - SECTION
C-6 SCALE: 3/16"=1'-0"

6 FOUNDATION OVER TOWER FOUNDATION
C-6 SCALE: 3/4"=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.



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:**
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 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.

- SITE NOTES:**
1. THE CONTRACTOR SHALL CALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.
 2. 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.
 3. ALL RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED OFF SITE AND BE LEGALLY DISPOSED, AT NO ADDITIONAL COST.
 4. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE EQUIPMENT AND TOWER AREAS.
 5. 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.
 6. THE SUBGRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
 7. THE AREAS OF THE COMPOUND DISTURBED BY THE WORK SHALL BE RETURNED TO THEIR ORIGINAL CONDITION.
 8. 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.
 9. 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.
 10. DIMENSIONS AND DETAILS SHALL BE CHECKED AGAINST THE PRE MANUFACTURED EQUIPMENT SHOP DRAWINGS.
 11. 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:**
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 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.
 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.
 4. 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 LEVELED 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:**
1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318.
 2. 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.
 3. 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.
 4. 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:
#6 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.
 5. ALL EXPOSED EDGES OF CONCRETE TO RECEIVE A 3/4" CHAMFER IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
 6. CONCRETE EQUIPMENT PAD TO RECEIVE A BRUSHED FINISH.
 7. 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.

PROFESSIONAL ENGINEER SEAL	REV.	DATE	BY	CHKD	BT	DESCRIPTION
	2	02/11/14	HMR	DND	DND	REVISED CSC
	0	02/26/14	HMR	DND	DND	CSC
	0	07/27/14	HMR	DND	DND	CSC - ISSUED FOR CLIENT REVIEW
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SHELTER FOUND.
PLAN, DETAILS
AND NOTES

C-6
Sheet No. 3 of 8