PLYMOUTH WEST

33 Keegan Road
Plymouth, Connecticut

Description of Proposed Cell Site

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

TABLE OF CONTENTS

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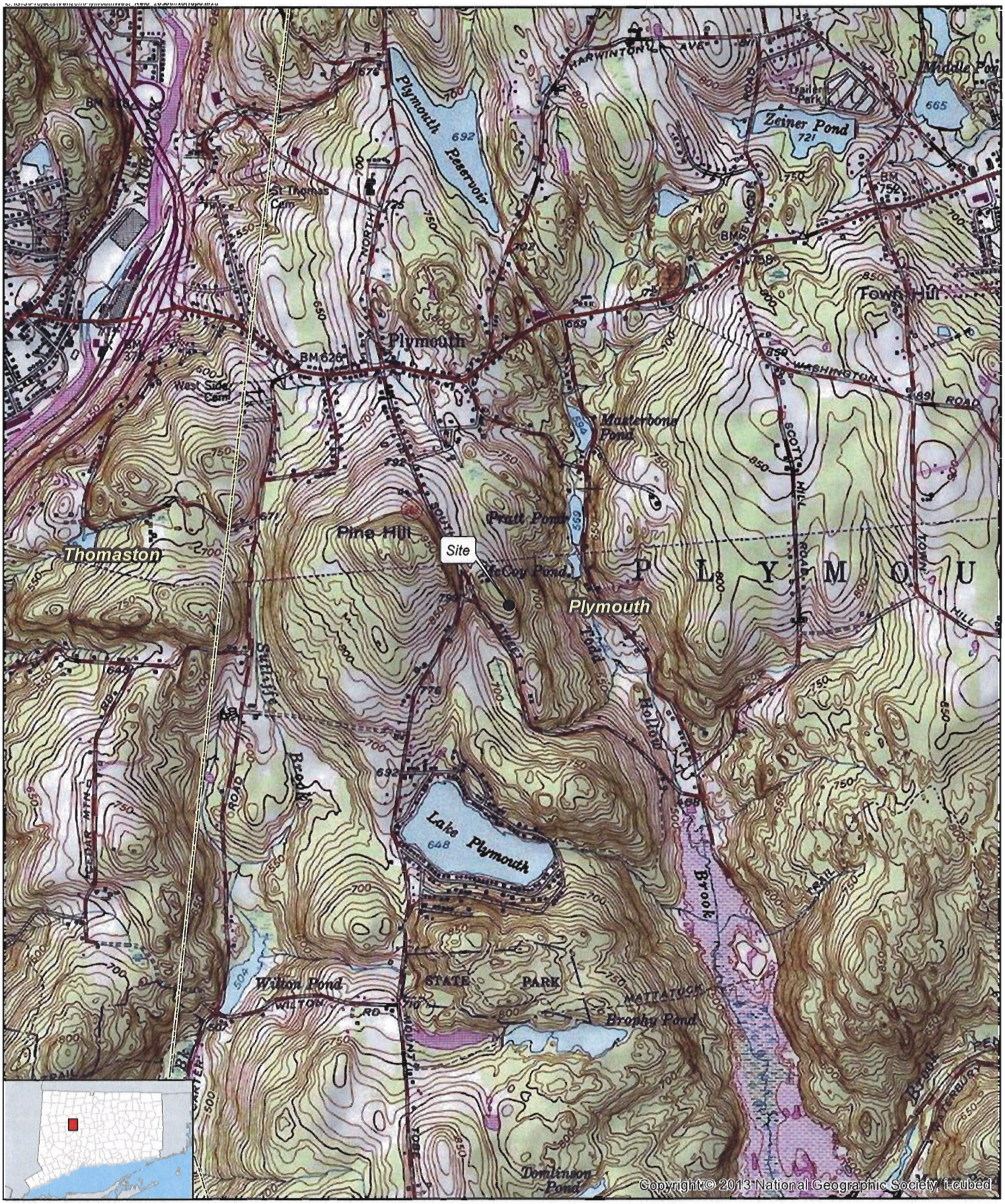
SITE NAME: Plymouth West Relo – 33 Keegan Road, Plymouth, CT

GENERAL CELL SITE DESCRIPTION

The proposed relocated Plymouth West cell site would be located in the western portion of an approximately 12.4 acre parcel owned by Steven A. Westall. The facility would consist of a 140-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 located within a 50' x 50' fenced compound, within a 100' x 100' leased area.

Cellco would attach twelve (12) antennas and nine (9) remote radio heads to a low-profile platform at a height of 140 feet above ground level. The top of Cellco's antennas would extend above the top of the tower to an overall height of approximately 143 feet. Vehicular access to the site would extend from Keegan Road over a new 12-foot wide gravel driveway, extending a distance of approximately 525 feet. Utility service would extend from existing service along Keegan Road.



Legend

- Proposed Facility Location
- Municipal Boundary

USGS Topographic Map

Proposed Wireless
Telecommunications Facility
Plymouth West Relo
33 Keegan Road
Plymouth, Connecticut

Map Notes:
Base Map Source: USGS 7.5 Minute Topographic Quadrangle Map, Thomaston (1976), CT
Map Scale: 1:24,000
Map Date: January 2015

N W E S

1,000 500 0 1,000 Feet

verizonwireless

ALL-POINTS

Legend

- Proposed Monopole Tower
- Proposed Facility Layout
- Property Line

Aerial Photograph

Proposed Wireless
Telecommunications Facility
Plymouth West Relo
33 Keegan Road
Plymouth, Connecticut

N
W E
S

150 75 0 150 Feet

Map Notes:
Base Map Source: 2012 Aerial Photograph (CTECO)
Map Scale:1:1,800
Map Date: January 2015

verizon wireless

ALL-POINTS

SITE EVALUATION REPORT

SITE NAME: Plymouth West Relo – 33 Keegan Road, Plymouth, CT

I. TOWER LOCATION

A. COORDINATES: 41°-39'-42.334" N 73°-02'-44.321" W

B. GROUND ELEVATION: Approximately 826± feet AMSL

C. U.S.G.S. QUADRANGLE MAP: Thomaston, CT

D. SITE ADDRESS: 33 Keegan Road, Plymouth, CT

E. ZONING WITHIN 1/4 MILE OF SITE: All land within ¼ mile of the cell site is in the Residential (R-40) zone district.

II. DESCRIPTION

A. SITE SIZE: 100' x 100' Leased Area
50' x 50' Compound Area

B. LESSOR'S PARCEL: Approximately 12.4 acres

C. TOWER TYPE/HEIGHT: 140' Monopole Tower
143' Top of Antennas

D. SITE TOPOGRAPHY AND SURFACE: Topography in the area slopes up from Keegan Road to the east and the location of the proposed tower site. The 12-foot wide gravel access drive will extend upgradient, through an existing wooded area, approximately 525 feet. Cellco anticipates that it will need to clear a total of 55 trees 6" or greater diameter at breast height ("dbh") for the access drive, facility compound and related improvements.

E. SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER: The tower would be located in the westerly portion of an approximately 12.4 acre undeveloped parcel. The closest wetland area is located approximately 130 feet to the west of the site access drive, west of Keegan Road.

F. LAND USE WITHIN 1/4 MILE OF SITE: The 12.4 acre subject parcel is surrounded by low density residential development, large undeveloped tracts of land. (*See* Aerial Photograph and U.S.G.S. Topographic Map at pp. 2 and 3).

III. FACILITIES

A. POWER COMPANY: Connecticut Light & Power

B. POWER PROXIMITY TO SITE: Approximately 525 feet at Keegan Road to the west of the facility compound.

C. TELEPHONE COMPANY: Frontier Communications

D. PHONE SERVICE PROXIMITY: Same as power

E. VEHICLE ACCESS TO SITE: Vehicle access to the site would extend from Keegan Road over a new 12-foot wide gravel driveway a distance of approximately 525 feet.

F. CLEARING AND FILL REQUIRED: Tree clearing and 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: Steven A. Westall

C. ADDRESS: 33 Keegan Road, Plymouth, CT

D. DEED ON FILE AT: Town of Plymouth, CT Land Records

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FACILITIES AND EQUIPMENT SPECIFICATION
(NEW TOWER & EQUIPMENT BUILDING)

SITE NAME: Plymouth West Relo – 33 Keegan Road, Plymouth, CT

I. TOWER SPECIFICATIONS:

A. MANUFACTURER: To be determined

B. TYPE: Self-supporting monopole

C. TOWER HEIGHT: 140' DIMENSIONS: Approx. 50" base

Approx. 24" top

II. TOWER LOADING:

A. CELLCO EQUIPMENT:

1. Antennas (12)
Six (6) Model LNX-6514DS-VTM – 700 and 850 MHz
Six (6) Model HBX-6517DS-VTM – 1900 and 2100 MHz

2. Remote Radio Heads (RRH) (9)
Three (3) RRH 2x40 – 700 MHz
Six (6) RRH 2x60 – 1900 MHz and 2100 MHz

3. GPS Antenna: Mounted on the top of the equipment shelter or tower

4. Transmission Lines:
a. Two (2) Model: HB158-1-08U8-S8J18 HYBRIFLEX™ fiber optic cables

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: Plymouth West Relo – 33 Keegan Road, Plymouth, 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 130 feet to the west of the facility access drive and west of Keegan Road.

B. AIR QUALITY

Under ordinary operating conditions, the Cellco equipment at the Plymouth West Relo Facility would generate no air emissions. During power outages and periodically for maintenance purposes, Cellco would utilize a diesel-fueled generator to provide emergency back-up power. Cellco's back-up generator will be managed to comply with the "permit by rule" criteria established by the Connecticut Department of Energy and Environmental Protection ("DEEP") Bureau of Air Management, pursuant to R.C.S.A. § 22a-174-36, and therefore is exempt from general air permit requirements.

C. LAND

Tree clearing and grading of the tower compound and gravel 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 heating, air conditioning and ventilation systems installed as a part of the prefabricated equipment shelter and the occasional operation of the back-up generator which would only run when power to the facility is interrupted and periodically for maintenance purposes. Some noise is anticipated during cell site construction.

E. POWER DENSITY

The worst-case calculation of power density for Cellco's 700 MHz, 850 MHz, 1900 MHz and 2100 MHz antennas at the Plymouth West Relo Facility would be 26.69% of the FCC Safety Standard.

F. VISIBILITY

See Visibility Report included as Attachment 9.

Cellco Partnership

d.b.a. verizon wireless

WIRELESS COMMUNICATIONS FACILITY

PLYMOUTH WEST RELO.

33 KEEGAN ROAD

PLYMOUTH, CT 06782

SITE DIRECTIONS

FROM: 99 EAST RIVER DRIVE, EAST HARTFORD, CONNECTICUT **TO:** 33 KEEGAN ROAD, PLYMOUTH, CONNECTICUT

1.	Head EAST on E RIVER DR toward DARLIN ST	0.3 mi.
2.	Turn LEFT to stay on E RIVER DR	400 ft.
3.	Take the 1st LEFT onto CONNECTICUT BLVD	0.2 mi.
4.	Turn LEFT to merge onto I-84	13.5 mi.
5.	Take EXIT 33 for CT-72 W toward BRISTOL	0.3 mi.
6.	Keep LEFT at the fork and merge onto CT-72 W	0.1 mi.
7.	Merge onto CT-72 W	3.8 mi.
8.	Turn RIGHT onto CT-72	0.4 mi.
9.	Take the 3rd RIGHT onto RIVERSIDE AVE	0.9 mi.
10.	Take the 3rd LEFT onto MAIN ST	259 ft.
11.	Take the 1st RIGHT onto SCHOOL ST	0.4 mi.
12.	Slight RIGHT onto PARK ST	1.0 mi.
13.	Continue onto TERRYVILLE RD	1.2 mi.
14.	Continue onto S RIVERSIDE AVE	0.9 mi.
15.	Slight LEFT onto US-6 W/MAIN ST	2.9 mi.
16.	Turn LEFT onto CT-262	0.6 mi.
17.	Slight LEFT onto KEEGAN RD, and the destination will be on the LEFT	0.3 mi.

GENERAL NOTES

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

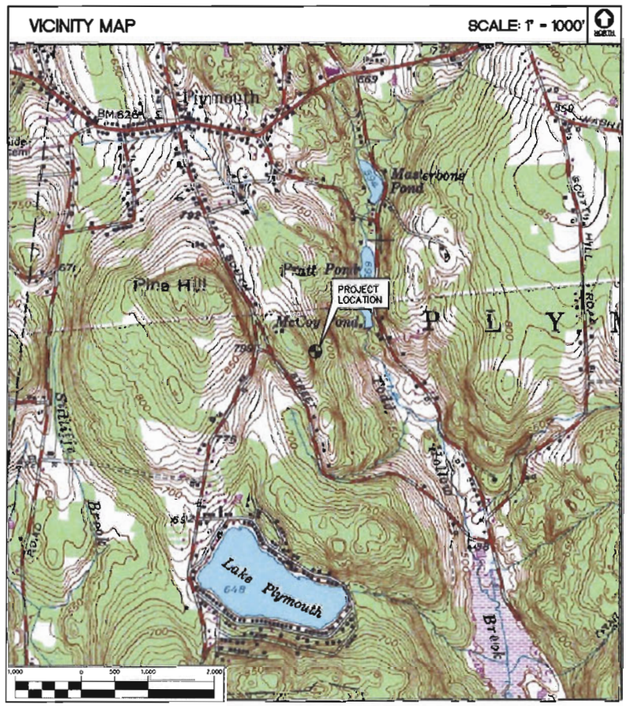
SITE INFORMATION

THE SCOPE OF WORK SHALL INCLUDE:

1. THE CONSTRUCTION OF A 50'x50' FENCED WIRELESS COMMUNICATIONS COMPOUND WITHIN A 100'x100' LEASE AREA.
2. A TOTAL OF UP TO TWELVE (12) DIRECTIONAL PANEL ANTENNAS ARE PROPOSED TO BE MOUNTED AT A CENTERLINE ELEVATION OF 140'-0"± AGL ON A 140'-0"± PROPOSED STEEL MONOPOLE TOWER.
3. TOTAL ACCESS DRIVE LENGTH IS 525'± OFF OF KEEGAN ROAD VIA A PROPOSED 12' WIDE GRAVEL 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.

VICINITY MAP

SCALE: 1" = 1000'



PROJECT SUMMARY

SITE NAME:	PLYMOUTH WEST RELO.
SITE ADDRESS:	33 KEEGAN ROAD PLYMOUTH, CT 06782
PROPERTY OWNER:	STEVEN A. WESTALL 41 KEEGAN ROAD PLYMOUTH, CT 06782
LESSEE/TENANT:	CELLCO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT 06108
CONTACT PERSON:	SANDY CARTER CELLCO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT 06108
TOWER COORDINATES:	LATITUDE 41°-39'-42.334" LONGITUDE 73°-02'-44.321" GROUND ELEVATION: 826.4'± A.M.S.L. COORDINATES AND GROUND ELEVATION REFERENCED FROM FAA 1-A SURVEY CERTIFICATION AS PREPARED BY MARTINEZ COUCH AND ASSOCIATES LLC, DATED JUNE 5, 2014, REVISED NOVEMBER 18, 2014.

SHEET INDEX

REV.	DATE	DRAWN BY	CHK'D BY	DMD	DESCRIPTION
0	12/17/14	HMR			CDC - ISSUED FOR CLIENT REVIEW

PROFESSIONAL ENGINEER SEAL

Cellco Partnership d/b/a Verizon Wireless
WIRELESS COMMUNICATIONS FACILITY
PLYMOUTH WEST RELO.
33 KEEGAN ROAD
PLYMOUTH, CT 06782

CENTEK engineering
Centered on Solutions
(203) 488-0580
(203) 488-8587 Fax
63-2 North Branford Road
Branford, CT 06405
www.CentekEng.com

Cellco Partnership d.b.a. Verizon wireless

DATE:	12/15/14
SCALE:	AS NOTED
JOB NO.	13321.000

TITLE SHEET

T-1

Sheet No. 1 of 10

MUNICIPALITY NOTIFICATION LIMIT MAP

1 / C-1 ABUTTERS MAP
SCALE: 1" = 80'

GRAPHIC SCALE
80 0 40 80 160 320
(IN FEET)
1 inch = 80 ft.

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
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ABUTTERS MAP

C-1

Sheet No. 2 of 10

MISCELLANEOUS SITE INFORMATION

DISTANCE TO NEAREST OFF SITE RESIDENCE*	=	215'±
DISTANCE TO NEAREST MUNICIPALITY (THOMASTON, CT)*	=	4,010'±
ACCESS LENGTH OFF KEEGAN RD.	=	525'±
NUMBER OF RESIDENTIAL STRUCTURES WITHIN 1000' OF TOWER	=	11±
TOTAL NUMBER OF TREES TO BE REMOVED	=	55
DISTANCE TO NEAREST PROPERTY LINE*	=	36'±

* DISTANCES TAKEN FROM CENTER OF TOWER

SYMBOLS LEGEND

- PROPERTY LINE
- EASEMENT LINE (PROPOSED)
- EXISTING ROAD
- ACCESS DRIVE (PROPOSED)
- LEASE AREA (PROPOSED)
- 650 CONTOUR LINE
- 650 GRADING LINE
- UTILITY POLE
- EXISTING DECIDUOUS TREE
- EXISTING CONIFEROUS TREE
- EXISTING DICIDUOUS TREE TO BE REMOVED
- EXISTING CONIFEROUS TREE TO BE REMOVED
- COMPOST FILTER SOCK/STRAW WATTLE
- EXISTING TREE LINE
- FENCE LINE
- SPOT ELEVATION (PROPOSED)
- EXISTING STONE WALL
- WF# 1-04 WETLAND BOUNDARY
- SILTATION FENCE

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 BOUNDARY & 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 TELECOMMUNICATION SITE.

VERTICAL DATUM IS BASED ON NGVD 29.

COORDINATES REFER TO NAD 83.

PARCEL OWNER OF RECORD: STEVEN A. WESTALL
M.A.: 41 KEEGAN ROAD
PLYMOUTH, CT 06782

PARCEL AREA = 12.4± ACRES.

PARCEL ID: MAP 547, BLOCK 65 LOT 16A-1 PLYMOUTH ASSESSOR'S OFFICE.

PARCEL LIES WITHIN A RA1 ZONING DISTRICT.

DIVISION LINE BETWEEN LOTS 16A-1 & 16 IS BASED ON CORRECTED PLOT PLAN SKETCH SHOWING CURRENT PARCEL DIVISION LINE FOUND IN PLYMOUTH ZONING DEPARTMENT.

PARCEL IS NOT IN A FLOOD HAZARD ZONE ON THE FLOOD INSURANCE RATE MAP, TOWN OF PLYMOUTH, LITCHFIELD COUNTY, CONNECTICUT, PANEL 3 OF10, COMMUNITY PANEL NUMBERS 0901138 0003 C. MAP REVISED NOVEMBER 6, 1998, BY FEDERAL EMERGENCY MANAGEMENT AGENCY.

NOT ALL IMPROVEMENTS SHOWN.

MAP REFERENCES

1) MAP SHOWING PROPERTY OF HOLLY M. WESTALL SOUTH STREET EXTENSION PLYMOUTH, CONN. SCALE: 1"=50', DATED: SEPT. 22, 1983. BY MATTSON ASSOCIATES LAND SURVEYORS & CIVIL ENGINEERS.

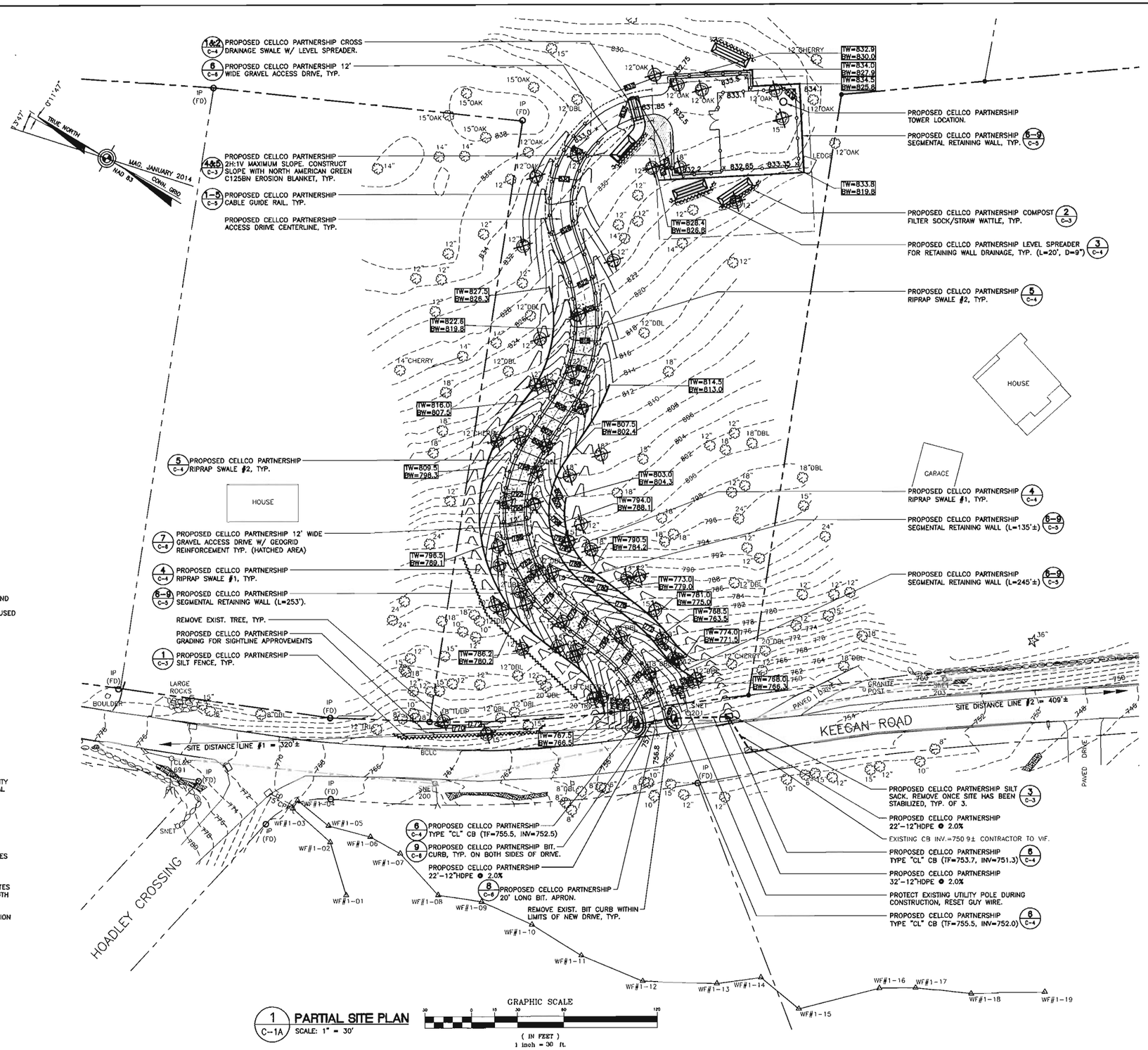
2) MAP SHOWING PROPERTY OF STEVEN A. WESTALL SOUTH STREET EXTENSION PLYMOUTH, CONN. SCALE: 1"=100', DATED: JULY 30, 1988. BY MATTSON ASSOCIATES LAND SURVEYORS & CIVIL ENGINEERS. THIS MAP WAS NOT FOUND IN THE PLYMOUTH LAND RECORDS, PLANNING OR ZONING DEPARTMENTS.

3) PROPERTY SURVEY MAP SHOWING REVISIONS TO LOT LINES PONDVIEW SUBDIVISION LOTS 1-1, 1-7, & 1-9 TERENCE FOLEY SOUTH STREET AND KEEGAN ROAD PLYMOUTH, CONN. SCALE 1" = 100' DATED: APRIL 22, 1999, BY ROBERT GREEN ASSOCIATES L.L.C. SURVEYORS & ENGINEERS.

TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE AND SEAL

A. RAFAEL MARTINEZ LLS #18833 DATE



1 C-1A **PARTIAL SITE PLAN**
SCALE: 1" = 30'

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
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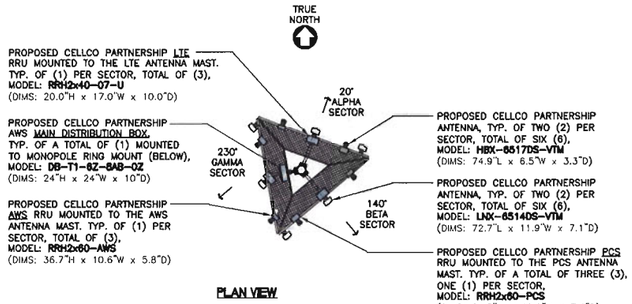
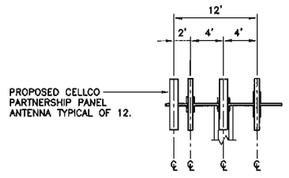
PARTIAL SITE PLAN

C-1A

Sheet No. 3 of 10



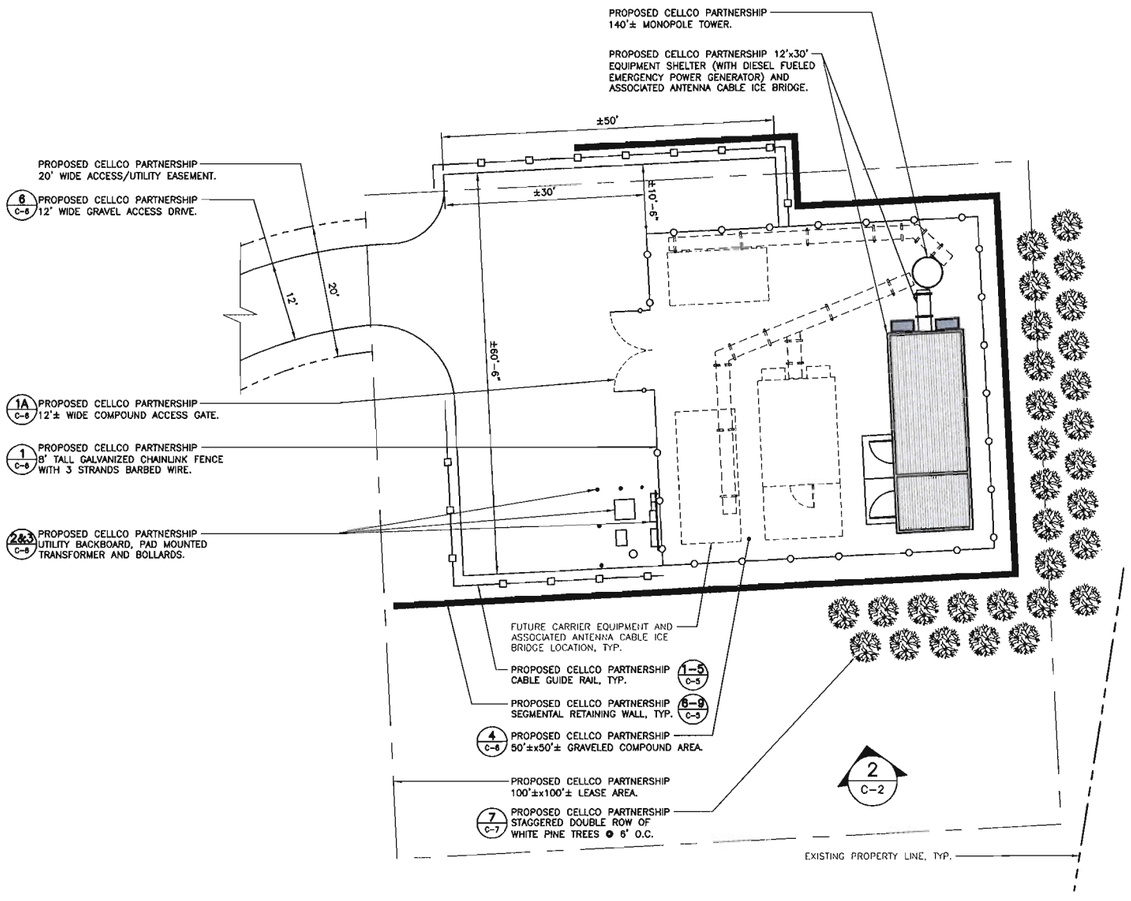
PLAN VIEW



TYPICAL SECTOR ELEVATION

3 / C-2 ANTENNA MOUNTING CONFIGURATION

SCALE: 1/8" = 1'

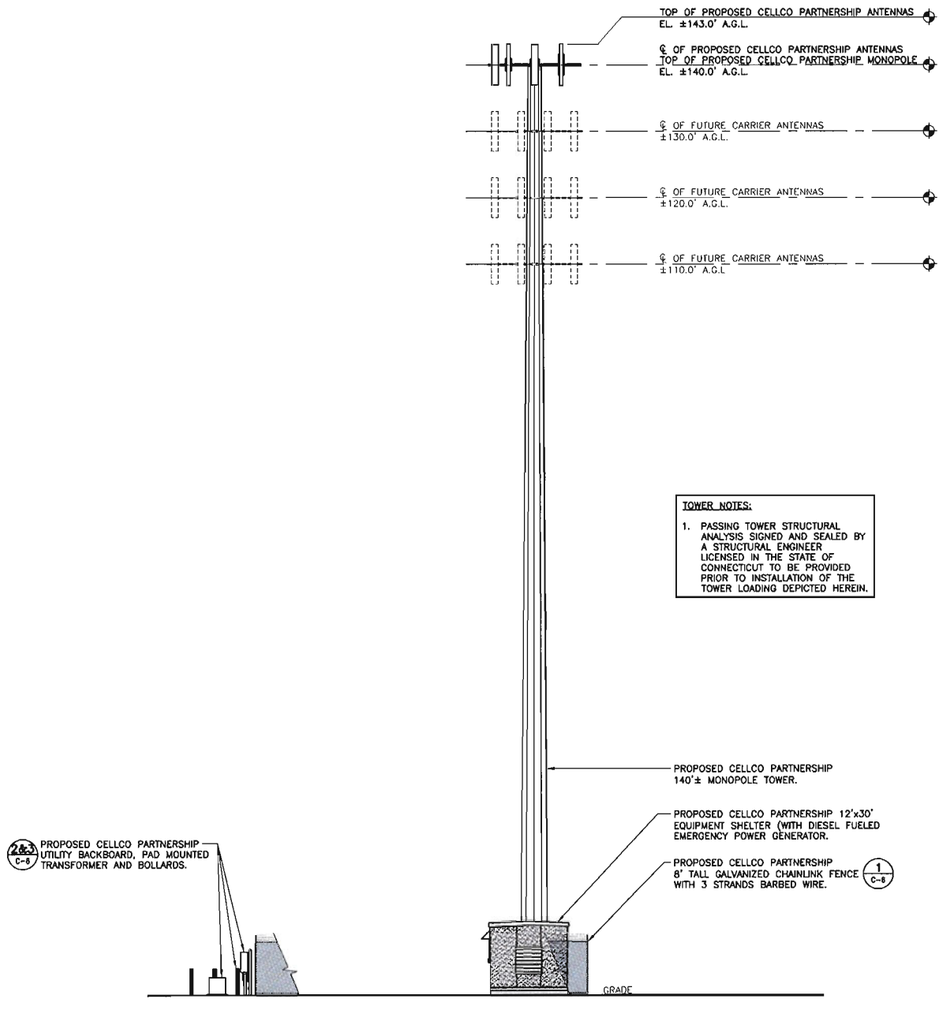


1 / C-2 COMPOUND PLAN

SCALE: 1" = 10'

APPROXIMATE NORTH

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.



2 / C-2 SOUTHWEST ELEVATION

SCALE: 1" = 10'

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
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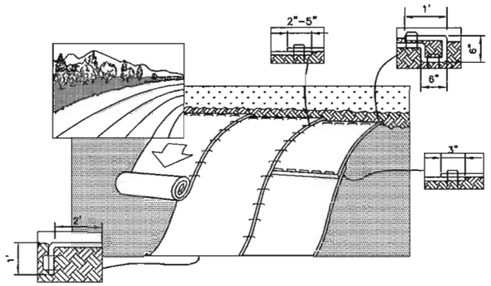
SCALE:	AS NOTED
JOB NO.	13321.000

COMPOUND PLAN, ELEVATION AND ANTENNA MOUNTING CONFIG.

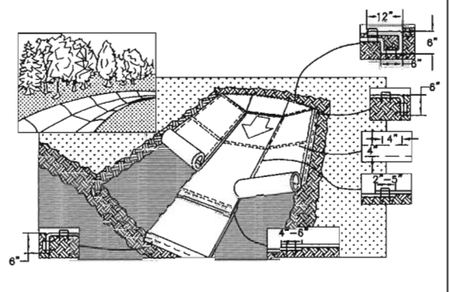
C-2

Sheet No. 4 of 10

EROSION CONTROL BLANKET STABILIZATION



4 / C-3 **TYPICAL EROSION MAT INSTALLATION ON SLOPE**
NOT TO SCALE



5 / C-3 **TYPICAL EROSION MAT INSTALLATION IN CHANNEL**
NOT TO SCALE

STABILIZATION CRITERIA

1. CONTRACTOR SHALL IMPLEMENT EROSION CONTROL BLANKET SLOPE STABILIZATION & SWALE CONSTRUCTION WHEN STABLE EARTH CUTS ARE PREVALENT (IN LOCATIONS WITHOUT LEDGE OR LARGE AMOUNTS OF SUBGRADE ROCK)

STABILIZATION PRODUCT SPECIFICATION

NORTH AMERICAN GREEN, PRODUCT NUMBER C125BN, 24 MONTH BIODEGARDABLE.

EROSION MAT ON SLOPES

1. 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.

2. 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.

3. 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 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.

4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY A 2"-5" OVERLAP DEPENDING ON BLANKET TYPE.

5. 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.

6. 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 8 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).

7. REFER TO MANUFACTURERS STAPLE GUIDE FOR CORRECT STAPLE PATTERN. MINIMUM 4 SPIKES PER ONE SQ. FT.

EROSION MAT IN CHANNEL

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.

2. 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 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.

3. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM 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.

4. 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.

5. 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.

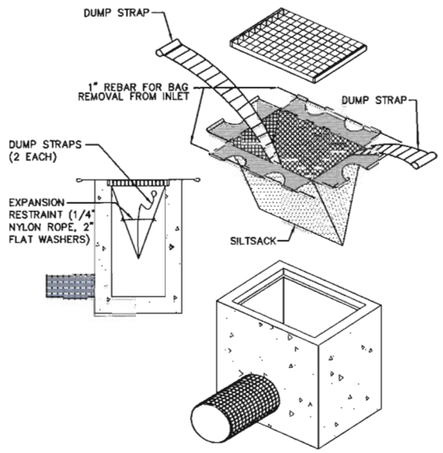
6. ADJACENT BLANKETS MUST BE OVERLAPPED APPROXIMATELY 2"- 5" AND STAPLED TO ENSURE PROPER SEAM ALIGNMENT. PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH[TM] ON THE BLANKET BEING OVERLAPPED.

7. 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.

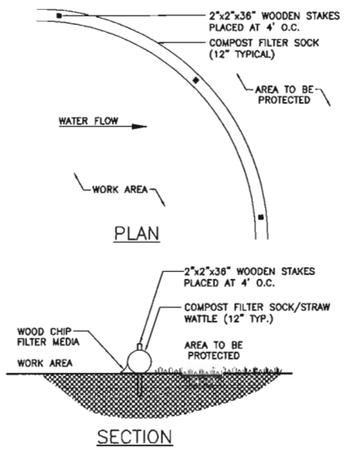
8. REFER TO MANUFACTURERS STAPLE GUIDE FOR CORRECT STAPLE PATTERN. MINIMUM 4 SPIKES PER ONE SQ. FT. THE CONTRACTOR SHALL MAINTAIN THE BLANKET UNTIL ALL WORK ON THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED. MAINTENANCE SHALL CONSIST OF THE REPAIR OF AREAS WHERE DAMAGED BY ANY CAUSE. ALL DAMAGED AREAS 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.

MAINTENANCE

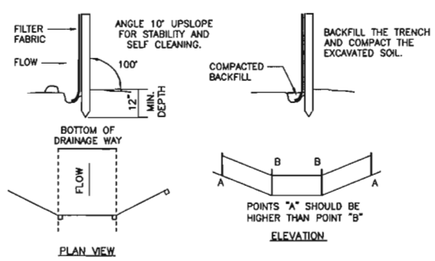
THE CONTRACTOR SHALL MAINTAIN THE BLANKET UNTIL ALL WORK ON THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED. MAINTENANCE SHALL CONSIST OF THE REPAIR OF AREAS WHERE DAMAGED BY ANY CAUSE. ALL DAMAGED AREAS SHALL BE REPAIRED TO RE-ESTABLISH THE CONDITIONS AND GRADE OF THE SOIL PRIOR TO APPLICATION OF THE COVERING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



3 / C-3 **SILTSACK AT CATCH BASIN**
NOT TO SCALE



2 / C-3 **TYP. COMPOST FILTER SOCK/ STRAW WATTLE DETAIL**
NOT TO SCALE



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

1 / C-3 **PLACEMENT AND CONSTRUCTION OF SILTATION FENCE**
NOT TO SCALE

GENERAL CONSTRUCTION / PRE-CONSTRUCTION NOTES

1. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES, A MANDITORY 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.

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 SILITATION 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. LAND DISTURBANCE WILL BE KEPT TO A MINIMUM AND RESTABILIZATIONS WILL BE SCHEDULED AS SOON AS PRACTICAL.
4. 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.
5. 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.
6. 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.
7. 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.
8. SWALE DISCHARGE AREA WILL BE PROTECTED WITH RIP RAP SPLASH PAD/ ENERGY DISSIPATER.
9. ALL FILL AREAS SHALL BE COMPACTED SUFFICIENTLY FOR THEIR INTENDED PURPOSE AND AS REQUIRED TO REDUCE SLIPPING, EROSION OR EXCESS SATURATION.
10. 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.
11. 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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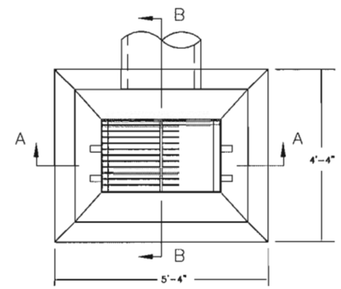
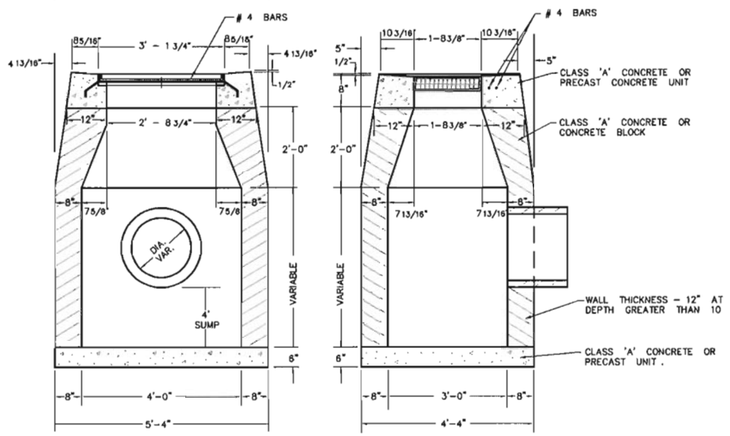
SITE CONSTRUCTION, S&E CONTROL NOTES AND DETAILS

C-3

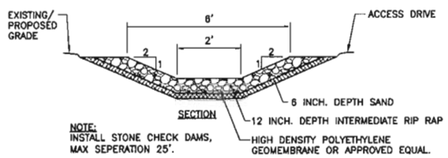
Sheet No. 5 of 10





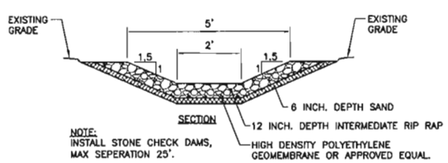
6 C-4 **TYPE "C-L" CB**
NOT TO SCALE

MODIFIED RIP RAP SIZE CHART	
STONE SIZE	% OF MASS
10" AND OVER	0
8" TO 10"	30-50
4" TO 6"	30-50
2" TO 4"	20-30
1" TO 2"	10-20
LEES THAN 1"	0-10



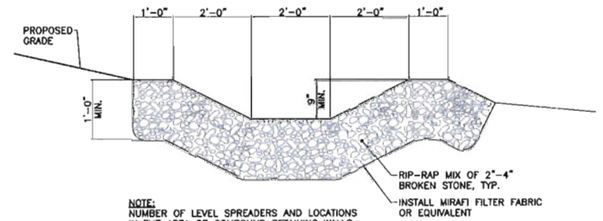
NOTE:
INSTALL STONE CHECK DAMS, MAX SEPERATION 25'.

5 C-4 **RIP RAP SWALE #2**
NOT TO SCALE



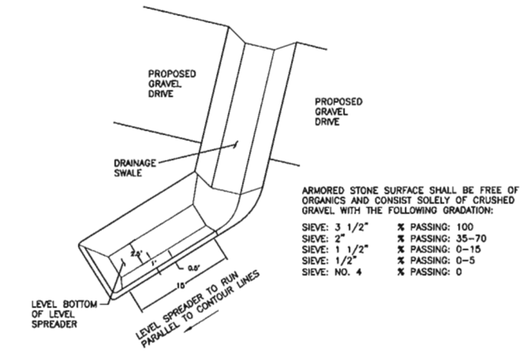
NOTE:
INSTALL STONE CHECK DAMS, MAX SEPERATION 25'.

4 C-4 **RIP RAP SWALE #1**
NOT TO SCALE



NOTE:
NUMBER OF LEVEL SPREADERS AND LOCATIONS IN THE AREA OF COMPOUND RETAINING WALLS SHALL BE DETERMINED BY ENGINEER OF RECORD UPON RECEIPT OF ENGINEERED SHOP DRAWINGS OF RETAINING WALL.

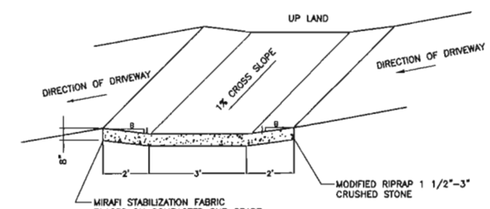
3 C-4 **LEVEL SPREADER SECTION**
NOT TO SCALE



ARMORED STONE SURFACE SHALL BE FREE OF ORGANICS AND CONSIST SOLELY OF CRUSHED GRAVEL. WITH THE FOLLOWING GRADATION:

SIEVE: 3 1/2"	% PASSING: 100
SIEVE: 2"	% PASSING: 35-70
SIEVE: 1 1/2"	% PASSING: 0-15
SIEVE: 1/2"	% PASSING: 0-5
SIEVE: NO. 4	% PASSING: 0

2 C-4 **LEVEL SPREADER W/ CROSS DRAINAGE SWALE**
NOT TO SCALE



1 C-4 **CROSS DRAINAGE SWALE**
NOT TO SCALE

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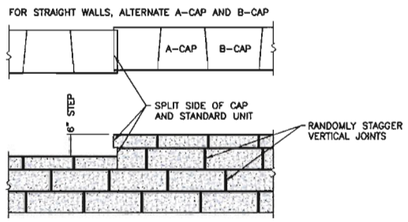
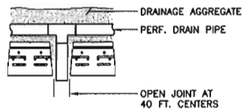
DRAINAGE CONTROL DETAILS

C-4

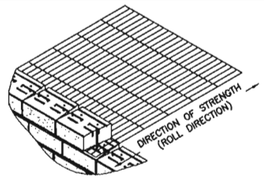
Sheet No. 6 of 10



7 / C-5 **CAPPING DETAIL**
NOT TO SCALE

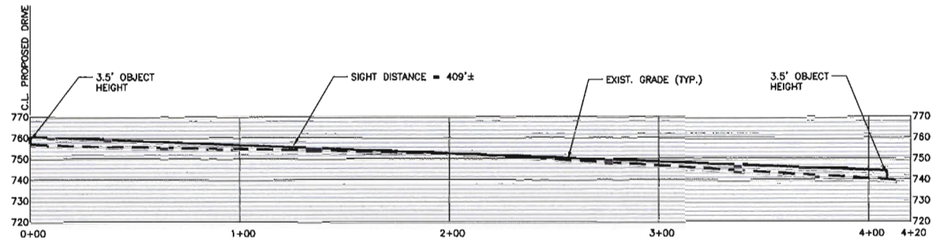


8 / C-5 **DRAIN DETAIL**
NOT TO SCALE

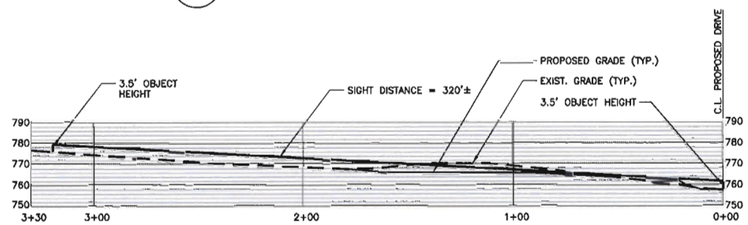


NOTES:
1. FOLLOW GEOSYNTHETIC GRID MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SPECIFICATIONS.
2. GEOGRID LENGTH AND ELEVATION PLACEMENT SHALL BE DETERMINED FROM MANUFACTURER REQUIREMENTS.

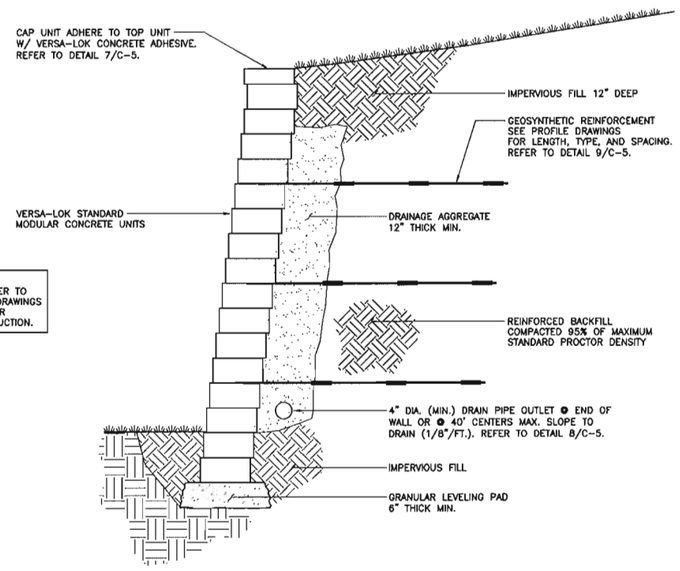
9 / C-5 **GEOSYNTHETIC INSTALLATION DETAIL**
NOT TO SCALE



11 / C-5 **SIGHTLINE PROFILE #2**
NOT TO SCALE

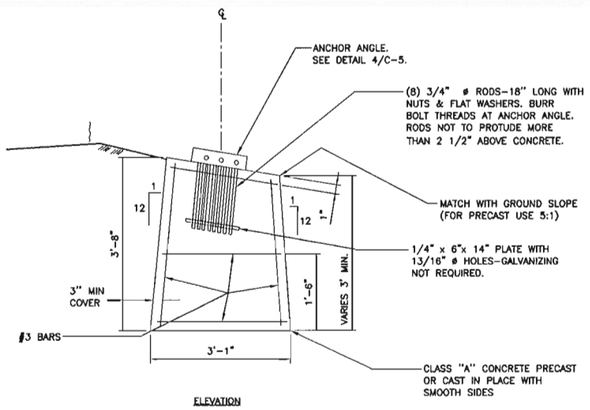


10 / C-5 **SIGHTLINE PROFILE #1**
NOT TO SCALE

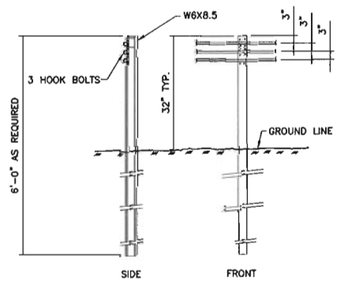


NOTE:
RETAINING WALL MANUFACTURER TO PROVIDE ENGINEERED SHOP DRAWINGS TO ENGINEER OF RECORD FOR APPROVAL PRIOR TO CONSTRUCTION.

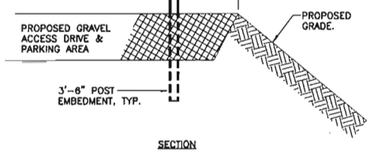
6 / C-5 **TYPICAL SEGMENTAL REINFORCED RETAINING WALL SECTION**
NOT TO SCALE



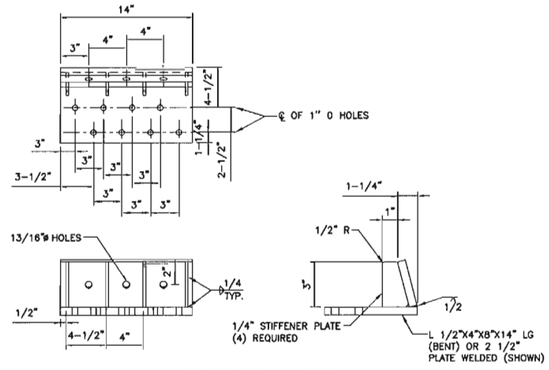
3 / C-5 **CONCRETE ANCHOR END DETAIL**
NOT TO SCALE



2 / C-5 **POST DETAIL**
NOT TO SCALE

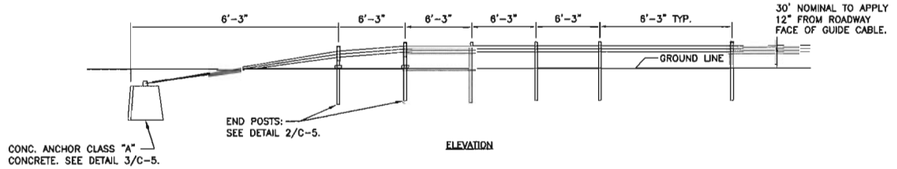


5 / C-5 **GUIDE RAIL DETAIL**
NOT TO SCALE



NOTE: DESIGNS FOR SIMILAR BREAKWAY ANCHOR ANGLES MAY BE SUBMITTED FOR APPROVAL.

4 / C-5 **ANCHOR ANGLE DETAIL**
NOT TO SCALE



1 / C-5 **TYPICAL APPROACH AND TERMINAL SECTIONS**
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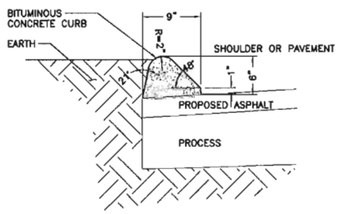
SITE DETAILS

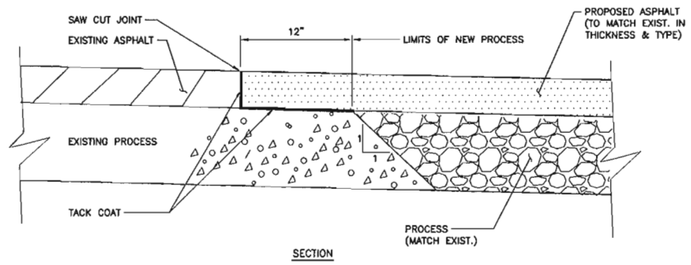
C-5

Sheet No. 7 of 10



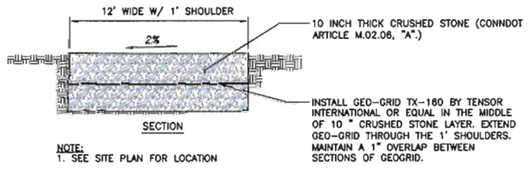
SECTION

9 / C-6 TYPICAL BIT. CURB DETAIL
NOT TO SCALE



SECTION

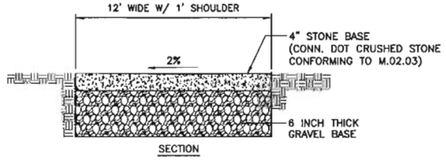
8 / C-6 PAVEMENT REPAIR (SAWCUT) DETAIL
NOT TO SCALE



SECTION

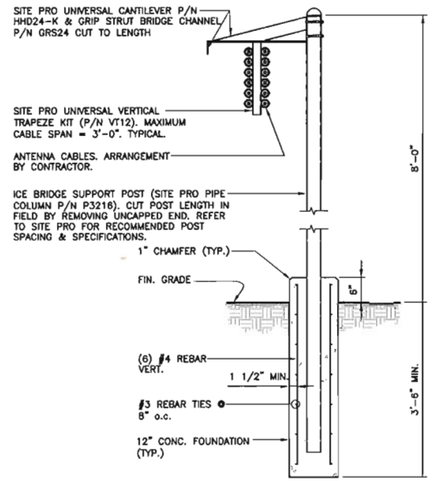
NOTE:
1. SEE SITE PLAN FOR LOCATION

7 / C-6 GRAVEL ACCESS DRIVE W/ GEOGRID REINFORCEMENT
NOT TO SCALE

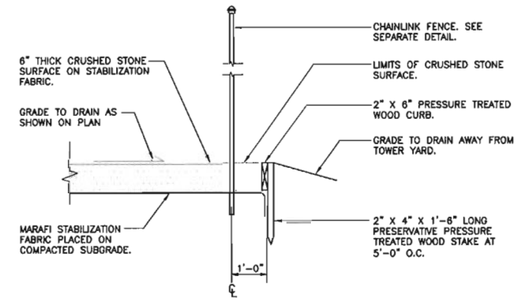


SECTION

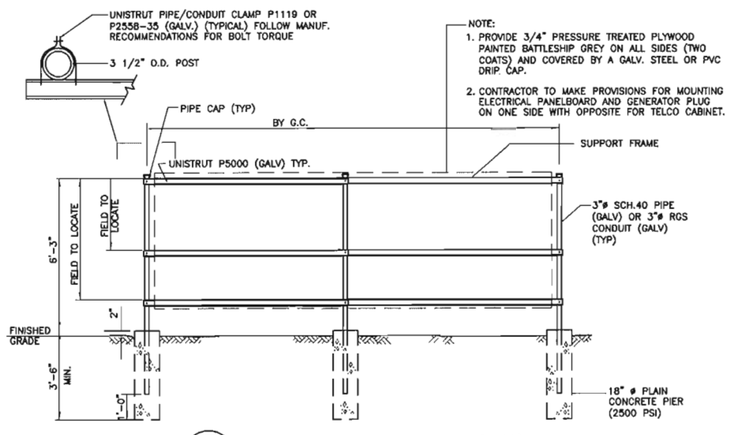
6 / C-6 GRAVEL SURFACE PARKING AREA AND ACCESS DRIVE
NOT TO SCALE



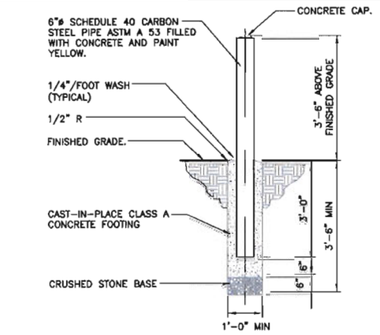
5 / C-6 ICE BRIDGE DETAIL
NOT TO SCALE



4 / C-6 COMPOUND SURFACING DETAIL
NOT TO SCALE



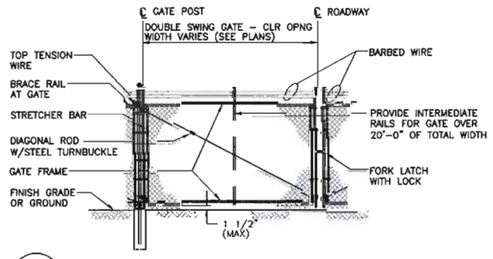
3 / C-6 UTILITY SUPPORT FRAME (TYP)
NOT TO SCALE



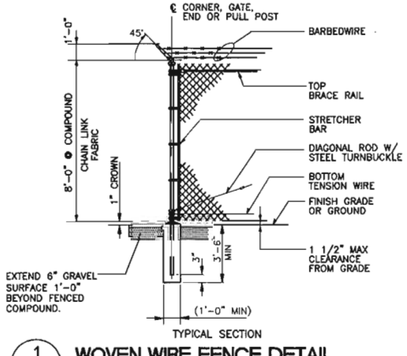
2 / C-6 BOLLARD DETAIL
NOT TO SCALE

WOVEN WIRE FENCE NOTES

1. GATE POST, CORNER, TERMINAL OR PULL POST 2 1/2" ø SCHEDULE 40 FOR GATE WIDTHS UP THRU 6 FEET OR 12 FEET FOR DOUBLE SWING GATE PER ASTM-F1083.
2. LINE POST: 2" ø SCHEDULE 40 PIPE PER ASTM-F1083.
3. GATE FRAME: 1 1/2" ø SCHEDULE 40 PIPE PER ASTM-F1083.
4. TOP RAIL & BRACE RAIL: 1 1/2" ø 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 HOG RINGS SPACED MAX 24" INTERVALS.
7. TENSION WIRE: 7 GA. GALVANIZED STEEL.
8. 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.
9. GATE LATCH: DROP DOWN LOCKABLE FORK LATCH AND LOCK, KEYED ALIKE FOR ALL SITES IN A GIVEN MTA.
10. LOCAL ORDINANCE OF BARBED WIRE PERMIT REQUIREMENT SHALL BE COMPLIED WITH IF REQUIRED.
11. COMPOUND FENCE HEIGHT = 8' VERTICAL + 1' BARBED WIRE VERTICAL DIMENSION.



1A / C-6 WOVEN WIRE SWING GATE-DOUBLE
NOT TO SCALE



TYPICAL SECTION

1 / C-6 WOVEN WIRE FENCE DETAIL
NOT TO SCALE

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SITE DETAILS

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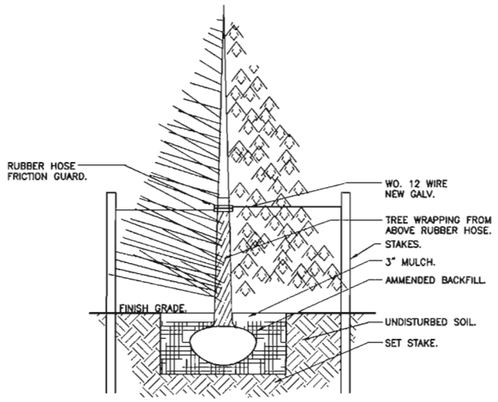
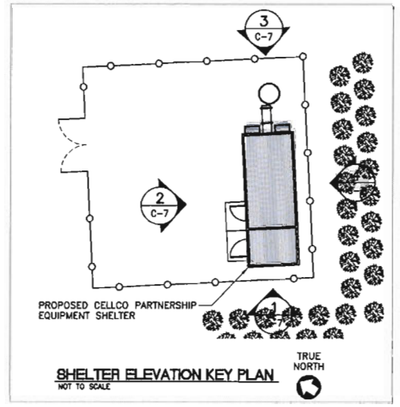


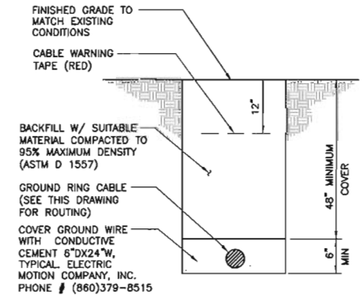
TREE + SHRUB PLANTING SPECIFICATIONS:

1. GUY WIRES (WO.12 NEW GALV.) SHALL BE REQUIRED FOR ALL TREES 3 GAL. AND LARGER.
2. SOIL MIX SHALL CONSIST OF: 3 PARTS TOP SOIL, 3 PART PEAT MOSS, 10 ONE PART COMPOSTED COW MANURE, AND 1 OZ. SOIL MOIST PER EVERY 12 IN. OF LINEAR DIM. OF ROOT BALL. COVER WITH LANDSCAPE FABRIC, AND A MINIMUM OF 3" CEDAR MULCH.
3. TREES 6' AND OVER SHALL BE STAKED WITH 2 OAK STAKES 2" X 2" X 6' AND GUY WIRE TO STAKES.
4. ALL TREES AND SHRUBS MUST MEET OR EXCEED STANDARDS SET BY THE NATIONAL ASSOCIATION OF NURSERYMEN, YEAR OF LATEST REVISION.

7 / C-7 **TYPICAL TREE PLANTING DETAIL**
NOT TO SCALE

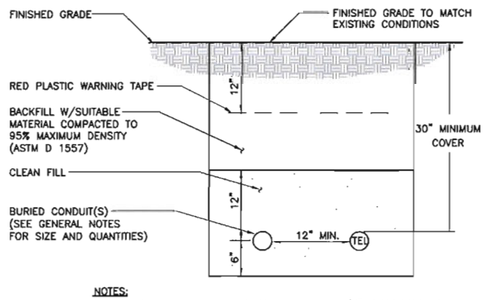


SHELTER ELEVATION KEY PLAN
NOT TO SCALE



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.

6 / C-7 **TYPICAL BURIAL GROUND CABLE DETAIL**
NOT TO SCALE

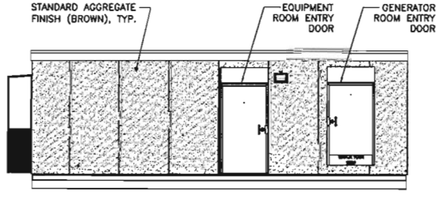


NOTES:
1. THE CLEAN FILL SHALL PASS THROUGH A 3/8" MESH SCREEN AND SHALL NOT CONTAIN SHARP STONES. OTHER BACKFILL SHALL NOT CONTAIN ASHES, CINDERS, SHELLS, FROZEN MATERIAL, LOOSE DEBRIS OR STONES LARGER THAN 2" IN MAXIMUM DIMENSION.
2. WHERE EXISTING UTILITIES ARE LIKELY TO BE ENCOUNTERED, CONTRACTOR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

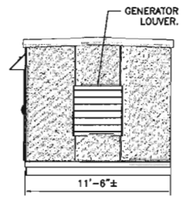
5 / C-7 **TYPICAL ELECTRICAL/TEL TRENCH DETAIL**
NOT TO SCALE

4 / C-7 **SOUTHEASTERN SHELTER ELEVATION**
SCALE: 3/16" = 1'-0"

3 / C-7 **NORTHEASTERN SHELTER ELEVATION**
SCALE: 3/16" = 1'-0"



2 / C-7 **NORTHWESTERN SHELTER ELEVATION**
SCALE: 3/16" = 1'-0"



1 / C-7 **SOUTHWESTERN SHELTER ELEVATION**
SCALE: 3/16" = 1'-0"

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SITE DETAILS AND SHELTER ELEVATIONS

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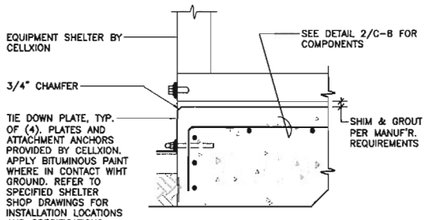
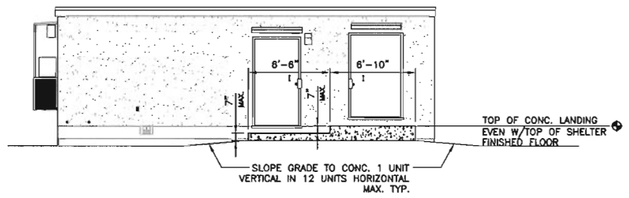
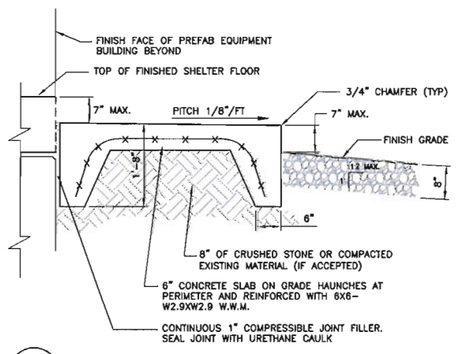


3 / C-8 **BUILDING TIE DOWN**
SCALE: 1"=1'-0"



4 / C-8 **ENTRY STOOP DETAIL - ELEVATION**
SCALE: 3/16"=1'-0"



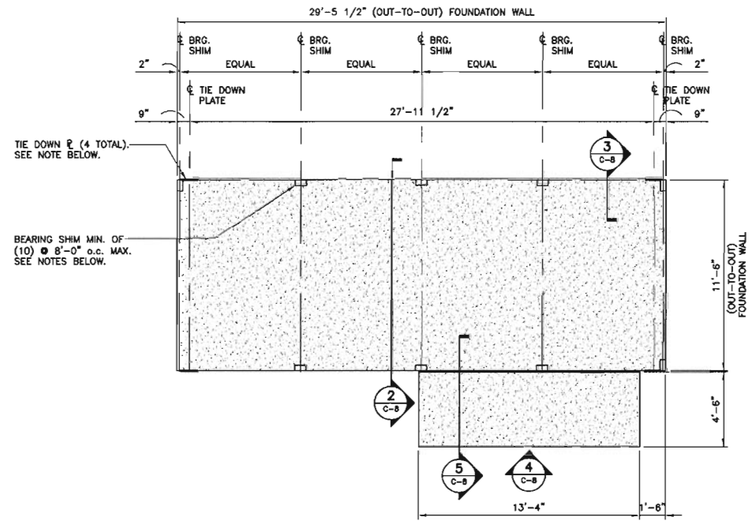
5 / C-8 **ENTRY STOOP DETAIL - SECTION**
SCALE: 3/16"=1'-0"

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

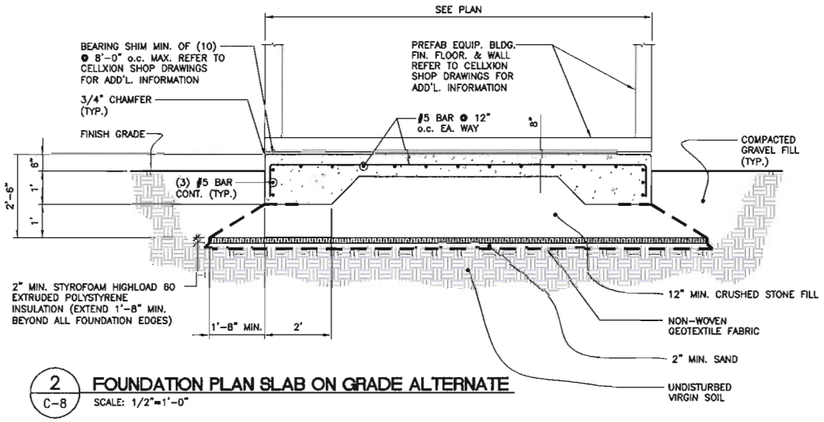
SLAB ON GRADE FOUNDATION DESIGN CONFORMS TO THE REQUIREMENTS OF THE 2003 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2005 CONNECTICUT STATE BUILDING CODE SUPPLEMENT SECTION 1805.2.1 'FROST PROTECTION' AND SEI/ASCE STANDARD 32-01 SECTION 7.1 'SLAB ON GRADE CONSTRUCTION'.

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.



1 / C-8 **FOUNDATION PLAN**
SCALE: 1/4"=1'-0"
APPROX. NORTH



2 / C-8 **FOUNDATION PLAN SLAB ON GRADE ALTERNATE**
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 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.

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 BUILDING 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.

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SHELTER FOUND. PLAN, DETAILS AND NOTES

C-8

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