ROBINSON & COLELLP

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Also admitted in Massachusetts

November 13, 2013

Via Hand Delivery

Melanie A. Bachman Acting Executive Director Connecticut Siting Council 10 Franklin Square New Britain, CT 06051

Re: Docket No. 438 – Application Of Cellco Partnership d/b/a Verizon Wireless For A Certificate Of Environmental Compatibility And Public Need For The Construction, Maintenance And Operation Of A Wireless Telecommunications Facility In Voluntown, Connecticut – Development and Management Plan

Dear Ms. Bachman:

Enclosed please find the fifteen (15) copies of the final Development and Management ("D&M") Plan for the approved telecommunications facility at 53 Gallup Road in Voluntown, Connecticut. Cellco Partnership d/b/a Verizon Wireless ("Cellco") is filing, and will be seeking Siting Council ("Council") approval for the D&M Plan in two parts. In this initial filing, Cellco seeks Council approval of the development plans only due to the concerns for potential construction impacts on two bat species that may nest in the trees in this area. To eliminate these potential construction impacts, Cellco has imposed on itself a seasonal restriction on the site/tree clearing activity and plans to clear the trees and do some limited site grading activity before April 1, 2014.

Work related to the geotechnical survey, the tower foundation design and tower design is underway and will be completed shortly. Once that information is available we will submit the second part of the Docket No. 438 D&M Plan for review and approval. Construction of the tower and foundation and related compound improvements will not commence until late Spring of 2014.



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Melanie A. Bachman November 13, 2013 Page 2

Thank you in advance for your cooperation. If you have any questions or need any additional information regarding this D&M Plan submission please do not hesitate to contact me.

Sincerely,

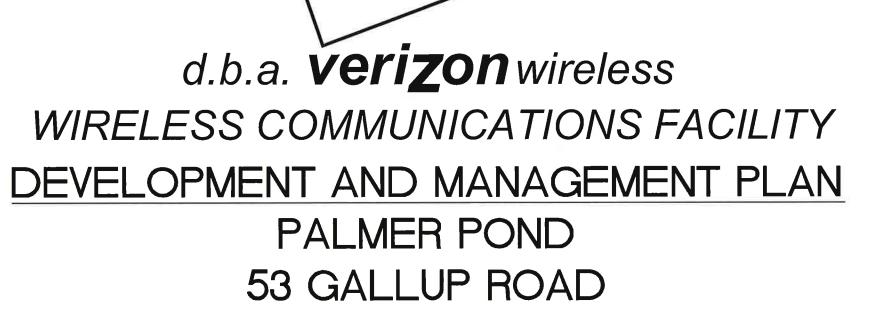
Kenneth/C. Baldwin

KCB/kmd Enclosures Copy to:

Sandy M. Carter



Cellco Partnership



SITE DIRE	CTIONS			
FROM:	99 EAST RIVER DRIVE EAST HARTFORD, CONNECTICUT	TO:	53 GALLUP ROAD VOLLINTOWN, CONNECTICUT	
2. Turn RiGHT 3. Take exit 28 4. Take exit 28 5. Continue stn 6. Turn RIGHT 7. Turn RIGHT 8. Turn RIGHT 9. Take the 1s	est on E RIVER DR toward PITKIN merge onto CT-2 E toward NETW N to merge onto I-335 N towal for CT-164 toward CT-138/PR sight at CT-138 E/VDLINTOWN RD toward CT-155 W/CT-49 S/BEACH D LETT onto CT-49 S	VICH VI PROVIDI ESTON CIT CH DR/SHI R/SHETUC N HILL RD	y/pachaug etucket turnpike ket turnpike	0.9 mi. 35.9 ml. 8.2 mi. 0.2 ml. 0.4 ml. 6.0 mi. 118 ft. 187 ft. 2.9 ml. 0.3 mi.

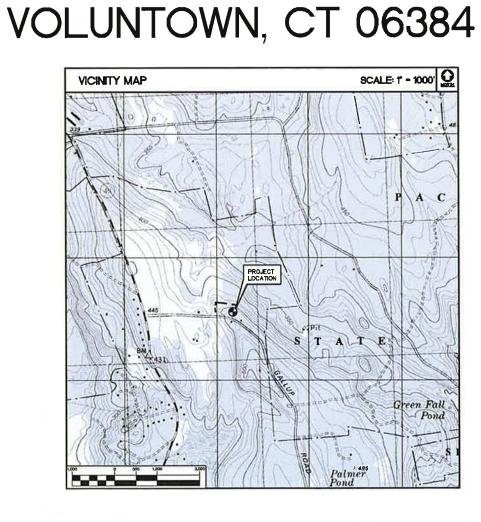
GENERAL NOTES

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

SITE INFORMATION

THE SCOPE OF WORK SHALL INCLUDE

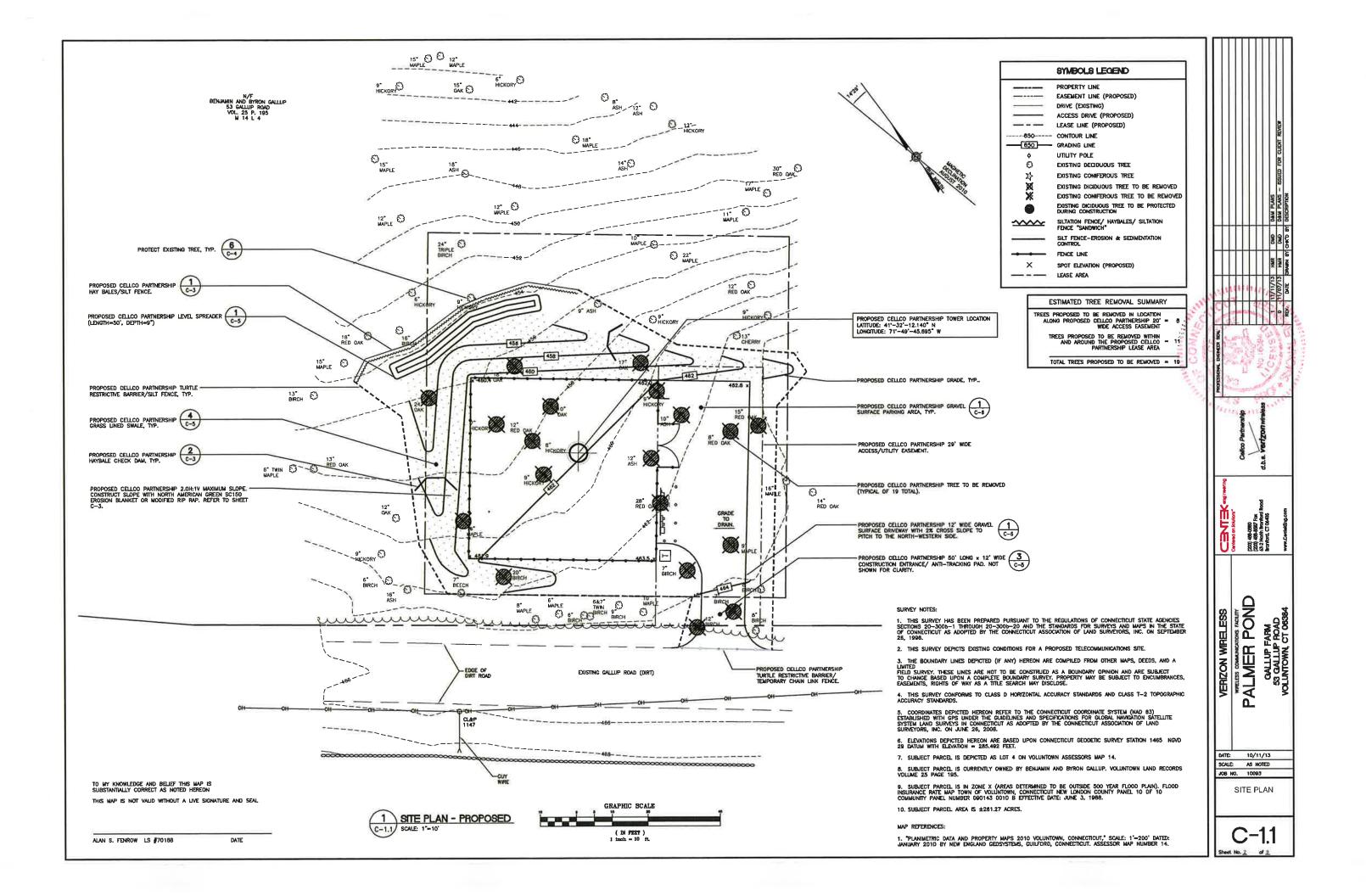
- THE CONSTRUCTION OF A 50'X52' FENCED WIRELESS COMMUNICATIONS COMPOUND WITHIN A 100'X100' LEASE AREA.
- A TOTAL OF (12) DIRECTIONAL PANEL ANTENNAS ARE PROPOSED TO BE MOUNTED AT A
 CENTERLINE FLEVATION OF 150'-0"+ AGL ON A 150'-0"+ PROPOSED STEEL MONOPOLE TOWER
- TOTAL ACCESS DRIVE LENGTH IS 30'± OFF OF GALLUP ROAD VIA 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 FENCE 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 FEACED COMPOUND APPA
- THE PROPOSED WIRELESS FACILITY INSTALLATION WILL BE DESIGNED IN ACCORDANCE WITH THE 2003 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2009 CONNECTICUT SUPPLEMENT.
- 6. THERE WILL NOT BE ANY LIGHTING UNLESS REQUIRED BY THE FCC OR THE FAA.
- 7. THERE WILL NOT BE ANY SIGNS OR ADVERTISING ON THE ANTENNAS OR EQUIPME

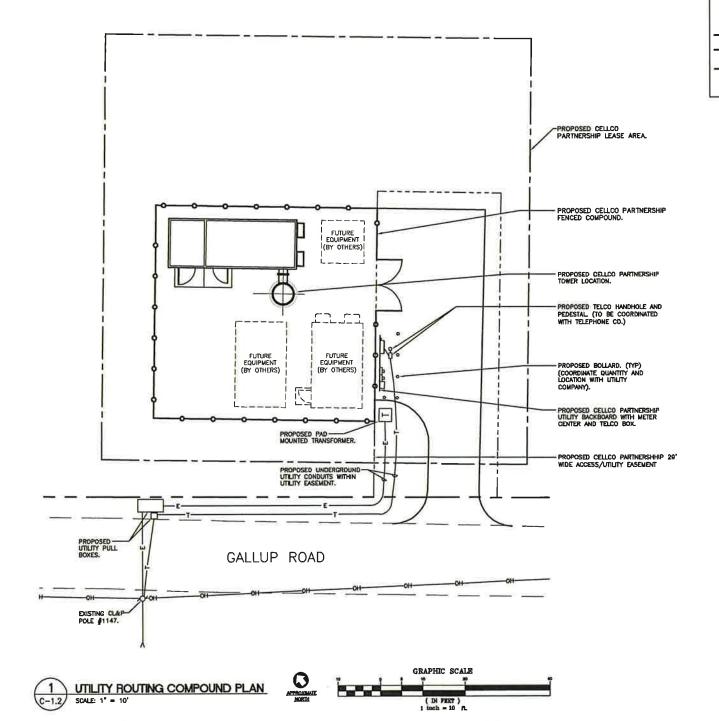


PROJECT SUM	MARY
SITE NAME:	PALMER POND
SITE ADDRESS:	53 GALLUP ROAD VOLUNTOWN, CONNECTICUT 06384
PROPERTY OWNER:	BENJAMN CALLUP & VANNER BYRON PO BOX 133 VOLUNTOWN, CONNECTICUT
LESSEE/TENANT:	CELLCO PARTNERSHIP d.b.g. verizon wreless 99 East River Drive East Hartford, ct ob108
CONTACT PERSON:	SANDY CARTER CELLCO PARTNERSHIP d.b.g. VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT OB10B
TOWER COORDINATES:	LATITUDE 41'-32'-12.140" LONGITUDE 71'-49'-45.595" PROPOSED GROUND ELEVATION: 462.0'± A.M.S.L.
	COORDINATES AND GROUND ELEVATION BASED ON FAA 1-A SURVEY CERTIFICATION AS PREPARED FOR VERIZON WIRELESS, BY MARTINEX COUCH AND ASSOCIATES DATED NOVEMBER 6, 2013

SHE	ET INDEX	
SHT. NO.	DESCRIPTION	REV NO.
T-1	TITLE SHEET	1
C-1.1	SITE PLAN	1
C-1.2	SITE UTILITY PLAN	1
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C-3	SITE CONSTRUCTION, S&E CONTROL NOTES & DETAILS	1
C-4	SITE DETAILS	1
C-5	SITE DETAILS AND ENVIRONMENTAL NOTES	1
C-6	SITE DETAILS AND SHELTER ELEVATIONS	1
C-7	SHELTER FOUND, PLAN, DETAILS AND NOTES	1

Contract on Sculture:
CONTRACTOR
PALMER POND SALLUP FARM 53 GALLUP FARM 53 GALLUP FARM 53 GALLUP FARM 53 GALLUP FARM 54 GALLUP FARM 55 GALLUP FARM 55 GALLUP FARM 56 GALLUP FARM 57 GALLUP FARM 58 G





UTILITY NOTES

- 1. COORDINATE WITH OWNER FOR ALL EASEMENT DOCUMENTS.
- 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 ACCESS/UTILITY EASEMENT.
- UTILITY PULL BOXES/SILOS TO BE TRAFFIC RATED AND 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.
- PLAN IS FOR LITILITY ROUTING INFORMATION ONLY. SOME OTHER ELEMENTS NOT SHOWN FOR CLARITY. REFER TO CIVIL DRAWINGS FOR ALL OTHER EXISTING AND PROPOSED SITE INFORMATION.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
E	PROPERTY LINE
	ACCESS/ UTILITY EASEMENT LINE (PROPOSED)
—он	UTILITY LINES (OVERHEAD BY UTILITY CO.)
•	UTILITY POLE
тт	UNDERGROUND COMMUNICATION CONDUIT
-EE	UNDERGROUND ELECTRICAL CONDUIT AS INDICATED
	PERIMETER CHAIN LINK FENCE
	ROAD

		PRICESSIONAL BUDGETR GIVE	
VEHICON WHELESS			
	Centered on Solutions	CO C	
TELESS COMMANICATIONS PACILITY			
	-	Carco	
בליב השוקה ה	(203) 400-0000		
	49.2 North Branked Bood		
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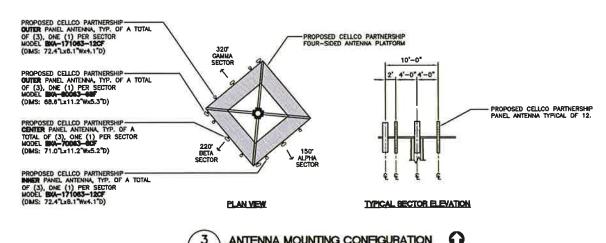
DATE: 10/11/13

SCALE: AS NOTED

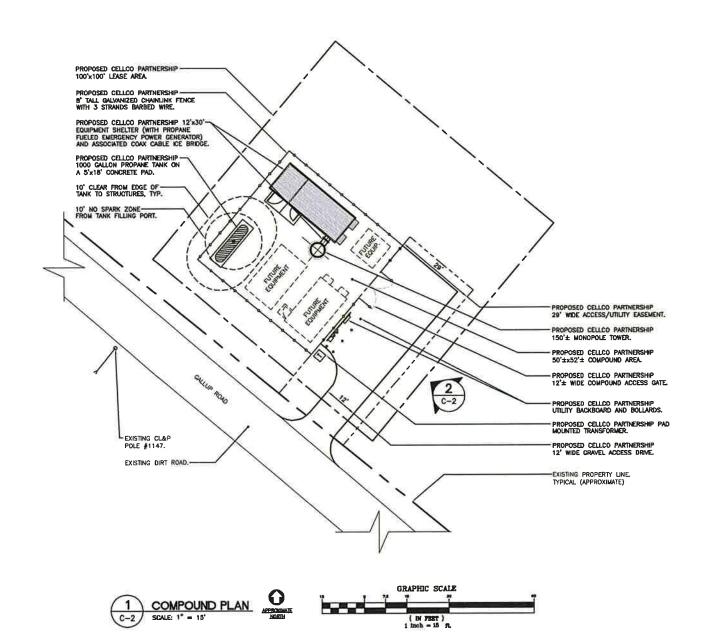
JOB NO. 10093

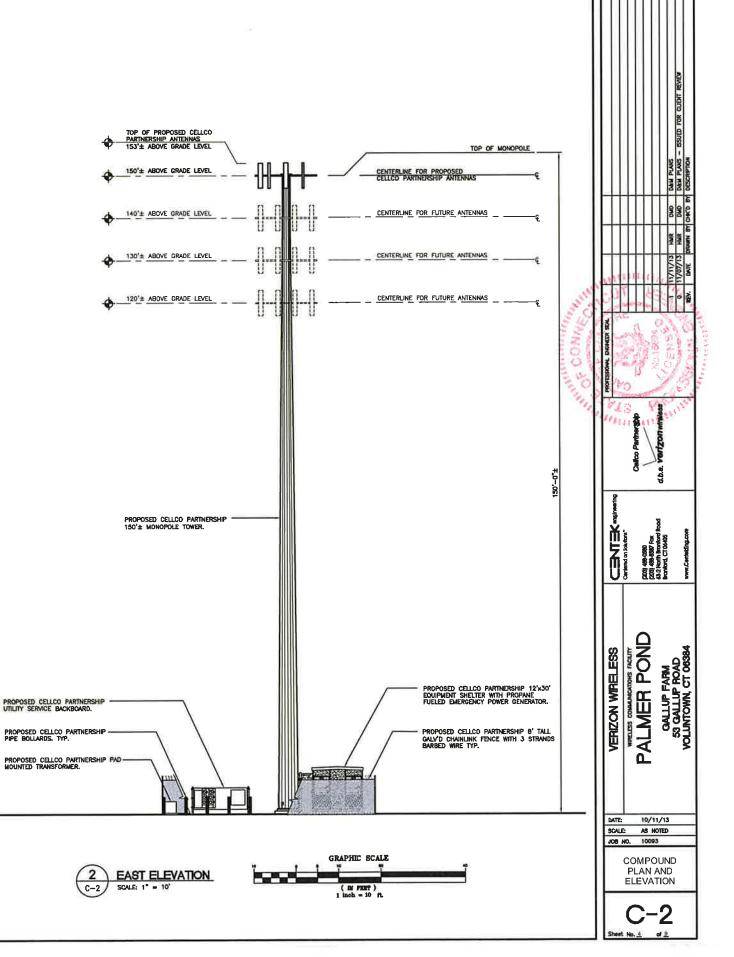
SITE UTILITY PLAN

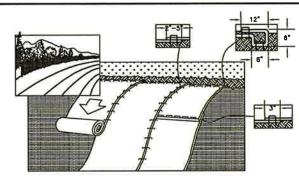
C-1.2



3 ANTENNA MOUNTING CONFIGURATION ONT TO SCALE





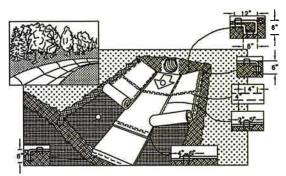


REINFORCEMENT BLANKET INSTALLATION ON SLOPE NOT TO SCALE

NOTES:

1. SLOPE APPLICATIONS:

- A PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL—O—SEED DO NOT SEED PREPARED AREA. CELL—O—SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
- B. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 8" 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 BOTTON 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.
- C. 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 FASTEMED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE, WHEN USING THE DOT SYSTEM[TM], STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- D. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY A 2"- 5" OVERLAP DEPENDING ON BLANKET TYPE.
- E. CONSECUTIVE ROLLED EROSION CONTROL BLANKET SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP, STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET MOTH.
- "HE LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKET.
- F. REFER TO MANUFACTURES STAPLE GUIDE FOR CORRECT STAPLE PATTERN. MINIMUM 4 SPIKES PER ONE SQ. FT.
- 2. 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 REESTABLESH THE CONDITIONS AND ORADE OF THE SOIL PRIOR TO APPLICATION OF THE COVERING AND SHALL BE
 REFERTILIZED, RESERDED, AND REMULCHED AS DIRECTED.





NOTES:

1. CHANNEL APPLICATIONS:

- A PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED
- 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.
- C. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL BLANKETS WILL UNROLL WITH APPROPRIATE SIDE ACAINST 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 GUIDE.
- D. PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 4"- 6" OVERLAP, USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER TO SECURE BLANKETS.
- E. 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.
- F. ADJACENT BLANKETS MUST BE OVERLAPPED APPROXIMATELY 2"— 5" AND STAPLED TO ENSURE PROPER SEAM ALIGNMENT. PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH[TM] ON THE BLANKET BEING OVERLAPPED.
- G. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP BY 6" WIDE TRENCH, BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- H. REFER TO MANUFACTURES STAPLE QUIDE 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 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.

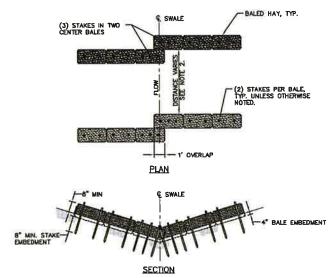
GENERAL CONSTRUCTION / PRE-CONSTRUCTION NOTES

- 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
- 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.

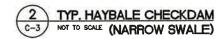
GENERAL CONSTRUCTION SEQUENCE

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
- 5. CONSTRUCT ROADWAYS AND PERFORM SITE GRADING, PLACING HAY BALES AND SILITATION FENCES AS REQUIRED TO CONTROL SOIL EROSION.
- 6. INSTALL UNDERGROUND UTILITIES
- 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.



- CHECKDAM SHALL BE INSTALLED IN LOCATIONS INDICATED ON SITE PLAN (SHEET C-1.1) IN DRAINAGE SWALE WITH BED WIDTHS OF 2 FEET OR LESS.
- 2. THE DISTANCE BETWEEN HAYBALE CHECKDAMS SHALL BE DETERMINED BY THE SLOPE OF THE SWALE. CHECKDAMS SHALL BE SET AT EVERY 2 FEET DROP IN SWALE ELEVATION.
- BALES SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND REPAIR OR REPLACEMENT SHALL BE PERFEMED PROMPTLY AS NEODED.
- 4. INTALL 3 STAKES PER BALE WITHIN SWALE BED AREAS.
- 5. HAYBALES CAN BE SUBSTITUTED WITH EITHER STRAW WATFLE OR COMPOST SOCK/FILTER (E.G., SILTSOXX[®] OR APPROVED EQUIVALENT.



SOIL EROSION AND SEDIMENT CONTROL SEQUENCE

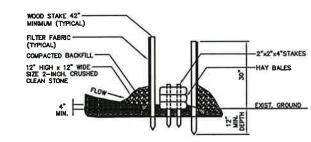
- ALL SOIL EROSION AND SEDMENT CONTROL MEASURES, SUCH AS CONSTRUCTION ENTRANCE / ANTI TRACKING PAD, SILTATION FENCE, AND SILTATION FENCE / HAY BALE SHALL BE IN PLACE FROME TO ANY GRADING ACTIVITY, INSTALLATION OF PROPOSED STRUCTURES OR UTLITIES. MEASURES SHALL BE LEFT IN PLACE AND MAINTAINED UNTIL CONSTRUCTION IS COMPLETED AND/OR AREA IS STABILIZED.
- 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 PERSON.
- 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 0.0.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.
- ALL SOIL EROSION AND SEDIMENT CONTROL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL INCLIDING THE LATEST DATE FROM THE COUNCIL ON SOIL AND
- 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 STABLIZED 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 IMMIMUM 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.
- SILTATION FENCE SHALL BE PLACED AS INDICATED BEFORE A CUT SLOPE HAS BEEN CREATED. SEDIMENT DEPOSITS SHOULD BE PERODICALLY REMOVED FROM THE UPSTREAM SIDES OF SILTATION FENCE. THIS MATERIAL IS TO BE SPREAD AND STABILIZED IN AREAS NOT SUBJECT TO EROSON, OR TO BE USED IN AREAS HORTH ARE NOT TO BE PAYED OR BUILT ON, SILTATION FENCE IS TO BE REPLACED AS NECESSARY TO PROVIDE PROPER FILTERING ACTION. THE FENCE IS TO REJIAN IN PLACE AND BE MANTANIED TO INSURE EFFICIENT SILTATION CONTROL UNTIL ALL AREAS ABOVE THE EROSION CHECKS ARE STABILIZED AND VEGETATION HAS BEEN ESTABILISHED.
- 9. SWALE DISCHARGE AREA WILL BE PROTECTED WITH RIP RAP SPLASH PAD/ ENERGY DISSIPATER.
- ALL FILL AREAS SHALL BE COMPACTED SUFFICIENTLY FOR THEIR INTENDED PURPOSE AND AS REQUIRED TO REDUCE SUPPING. 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
- 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 GEDTEXTILE 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.
- FILTER CLOTH SHALL BE FASTENED SECURELY TO THE WOVEN WIRE FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP, MID-SECTION AND BOTTOM.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED.
- 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
- 7. MAINTENANCE SHALL BE PERFORMED AS NEEDED TO PREVENT BUILD UP IN THE SILT FENCE DUE TO DEPOSITION OF SEDIMENT.

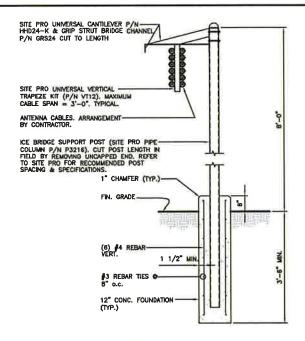
MAINTENANCE - SILT FENCE

- 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.
- 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.
- SEDIMENT SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY
 REACHED APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
- 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.

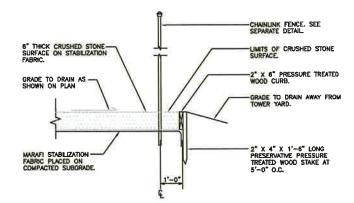




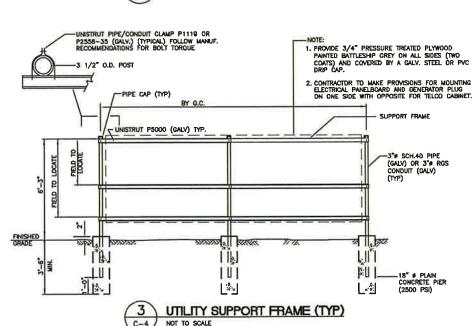
A Management 883 POND POND ALMER I 4 DATE: 10/11/13 SCALE: AS NOTED JOB NO. 10093 SITE CONSTRUCTION S&F CONTROL **NOTES & DETAILS**

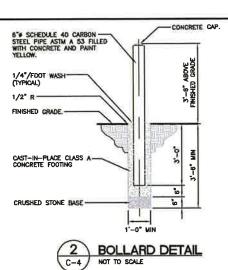


ICE BRIDGE DETAIL C-4 NOT TO SCALE



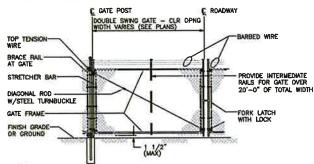
5 COMPOUND SURFACING DETAIL NOT TO SCALE (C-4)



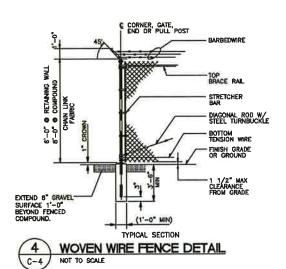


WOVEN WIRE FENCE NOTES

- GATE POST, CORNER, TERMINAL OR PULL POST 2 1/2" SCHEDULE 40 FOR GATE WIDTHS
 UP THRU 8 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.
- B. TIE WIRE: MINIMUM 11 GA. GALVANZED STEEL AT POSTS AND RAILS A SINGLE WRAP OF FABRIC TIE AND AT TENSION WIRE BY HOG RINGS SPACED MAX 24" INTERVALS.
- 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, KEYED ALIKE FOR ALL SITES IN A GIVEN MTA.
- LOCAL ORDINANCE OF BARBED WIRE PERMIT REQUIREMENT SHALL BE COMPLIED WITH H REQUIRED.
- 11. COMPOUND FENCE HEIGHT = 8' VERTICAL + 1' BARBED WIRE VERTICAL DIMENSION
- 12. SAFETY FENCE HEIGHT = 6' VERTICAL DIMENSION (NO BARBED WIRE REQUIRED).



4A WOVEN WIRE SWING GATE-DOUBLE C-4



TREE PROTECTION NOTES

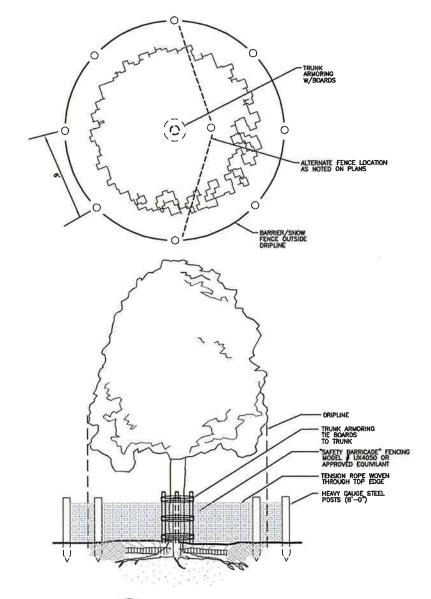
- 1. ALL TREES SHOWN TO BE RETAINED WITHIN THE LIMITS OF CONSTRUCTION ON THE PLANS, SHALL BE PROTECTED DURING CONSTRUCTION WITH FENCING.
- 2. TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING, OR GRADING) AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- 3. FENCES SHALL COMPLETELY SURROUND THE TREE OR CLUSTERS OF TREES, LOCATED AT THE OUTERMOST LIMITS OF THE TREE BRANCHES (DRIPLINE) OR CRITICAL ROOT ZONE, WHICHEVER IS GREATER; AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROJECT IN ORDER TO PREVENT THE FOLLOWING.

 3A. SOIL COMPACTION IN CRITICAL ROOT ZONE AREA RESULTING FROM STORAGE OF EQUIPMENT OR MATERIAL.

 3B. CRITICAL ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES OR TREDICHING.

 3C. WOUNDS TO EXPROSED ROOTS, TRUNK, OR LUBBS BY MECHANICAL EQUIPMENT

 3D. OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CONCRETE TRUCK CLEANING, AND FIRES.
- 4. WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE THAT IS CLOSER THAN 5 FEET TO A TREE TRUNK, THE TRUNK SHALL BE PROTECTED BY STRAPPED-ON PLANKING TO A HEIGHT OF 8 FEET (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE REDUCED FENCING PROVIDED.
- 5. WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN AREAS OF UNPROTECTED ROOT ZONES UNDER THE DRIPLINE OR CRITICAL ROOT ZONE WHICHEVER IS GREATER, THOSE AREAS SHOULD BE COVERED WITH 4 INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION.
- ALL GRADING WITHIN CRITICAL ROOT ZONE AREAS SHALL BE DONE BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE. PRIOR TO GRADING, RELOCATE PROTECTIVE FENCING TO 2 FEET BEHIND THE GRADE CHANGE AREA.
- 7. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL AND BACKFILLED WITH GOOD QUALITY TOP SOIL WITHIN TWO DAYS. IF EXPOSED ROOT AREAS CANNOT BE BACKFILLED WITHIN 2 DAYS, AN ORGANIC MATERIAL WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION SHALL BE PLACED TO COVER THE ROOTS UNTIL BACKFILL CAN OCCUR.
- 8. PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE DRIPLINES, A CLEAN CUT SHALL BE MADE WITH A ROCK SAW OR SIMILAR EQUIPMENT, IN A LOCATION AND TO A DEPTH APPROVED BY THE FORESTRY MANAGER, TO MINIMIZE DAMAGE TO REMAIN ROOTS.
- 9. TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES WILL BE WATERED DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER. TREE CROWNS ARE TO BE SPRAYED WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON LEAVES.
- 10. NO LANDSCAPE TOPSOIL DRESSING GREATER THAN FOUR (4) INCHES SHALL BE PERMITTED WITHIN THE DRIPLINE OR CRITICAL ROOT ZONE OF TREES, WHICHEVER IS GREATER. NO TOPSOIL IS PERMITTED ON ROOT FLARES OF ANY TREE.



A Suppose

RESP

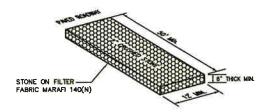
PALMER POND

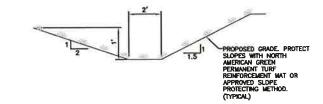
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SITE

DETAILS

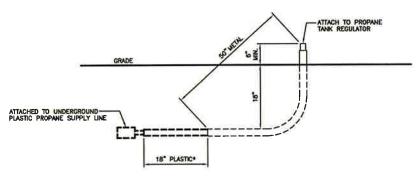
TREE PROTECTION DETAIL (C-4)





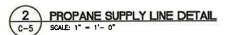


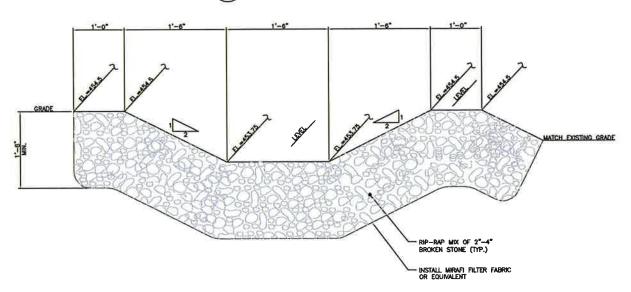




NOTES:

- *PLASTIC PROPANE SUPPLY LINE MUST BE PROTECTED WITH CONDUIT IF IT CAN NOT BE BURIED 18" OR MORE DEEP WITH SAND TO PROTECT IT (AT LEAST 1" OF SAND AROUND THE PIPE REQUIRED FOR PLASTIC)
- 2. POLYETHYLENE PIPE AND TUBING AND THERMOPLASTIC COMPRESSION—TYPE MECHAMICAL FITTINGS SHALL BE INSTALLED OUTSIDE UNDERGROUND WITH A MINIMUM 18 IN. (460mm) OF COVER. THE COVER SHALL BE PERMITTED TO BE REDUCED TO 12 IN. (300mm) IF EXTERNAL DAMAGE TO THE PIPE OR TUBING IS NOT LIKELY TO RESULT. IF A MINIMUM OF 12 IN. (300mm) OF COVER CANNOT BE MAINTAINED, THE PIPING SHALL BE INSTALLED IN CONDUCTOR BRIDGED (SHELDED). UNDERGROUND POLYETHYLENE PIPING SYSTEMS SHALL REQUIRE ASSEMBLED ANDOBLESS RESERS TO TERMINATE ABOVE GROUND. THE HORIZONTAL PORTION OF RESES SHALL BE BURIED AT LEAST 12 IN. (300mm) BELOW GRADE AND THE CASING MATERIAL USED FOR THE RISERS SHALL BE PROTECTED AGAINST CORROSION.





1 LEVEL SPREADER TYPICAL SECTION
NOT TO SCALE

ENVIRONMENTAL NOTES

RED BAT AND SILVER-HAIRED BAT PROTECTION PROGRAM

THE CONSTRUCTION AREA IS LOCATED IN PROXIMITY TO RED BAT (LASILRUS BOREALIS) AND SILVER-HAIRED BAT (LASIONYCTERIS NOCTIVADANS) HABITAT, BOTH LISTED AS STATE SPECIAL CONCERN SPECIES. THE FOLLOWING PROTECTIVE MESSURES WILL AVOID UNINTERTIONAL DISTURBANCE AND POSSIBLE MORTALITY TO RED BAT OR SILVER-HAIRED BAT AS A RESULT OF CONSTRUCTION ACTIVITIES FOR THE SITE IMPROVEMENTS PROPOSED. WITH ADHERENCE TO THIS RED BAT AND SILVER-HAIRED BAT PROTECTION PROCRAM, THE PROPOSED DEVELOPMENT AT THIS PROPERTY WILL NOT HAVE AN ADVERSE EFFECT ON THESE RARE SPECIES.

TREE CLEARING RESTRICTION: TREE CLEARING ACTIVITIES SHALL BE COMPLETED BETWEEN NOVEMBER 1 JAIND APRIL 1 TO AVOID POTENTIAL MAPACT TO BAT ROSTING HABITAT THROUGH THE REMOVAL OF POSSIBLE ROOSTING TREES PRIOR TO THE START OF THE BAT'S ACTIVE ROOSTING SEASON (APRIL 1 TO MOVEMBER 1). IF TREE CLEARING HAS NOT BEEN COMPLETED PRIOR TO APRIL 1, CONSTRUCTION ACTIVITIES SHALL BE SEASONALLY RESTRICTED FROM OCCURRING DURING THE BAT'S ACTIVE ROOSTING SEASON (APRIL 1 TO NOVEMBER 1).

EASTERN BOX TURTLE PROTECTION PROGRAM

THE CONSTRUCTION AREA IS LOCATED IN PROXIMITY TO EASTERN BOX TURTLE (TERRAPENE C. CAROLINA) HABITAT, A STATE SPECIAL CONCERN SPECIES. THE FOLLOWING PROTECTIVE MEASURES WILL AWOD LUMINIFINITIONAL MORTALITY TO EASTERN BOX TURTLE AS A RESULT OF CONSTRUCTION ACTIVITIES FOR THE SITE MAPROVEMENTS PROPOSED. WITH ADHERENCE TO THIS EASTERN BOX TURTLE PROPECTION PROGRAM, THE PROPOSED DEVELOPMENT AT THIS PROPERTY WILL NOT HAVE AN ADVERSE EFFECT ON THIS RARE SPECIES.

TI IS OF THE UTMOST IMPORTANCE THAT THE CONTRACTOR COMPLIES WITH THE REQUIREMENTS FOR THE INSTALLATION OF PROTECTIVE MEASURES AND THE EDUCATION OF EMPLOYEES AND SUBCONTRACTORS PERFORMING WORK ON THE PROJECT SITE IF WORK WILL OCCUR DURING THE EASTERN BOX TURTILES ACTIVE PERIOD (APRIL 1 TO NOVEMBER 1). ALL-POINTS TECHNOLOGY CORPORATION, P.C. ("APT") WILL SERVE AS THE ENVIRONMENTAL MONITOR FOR THIS PROJECT TO ENSURE THAT THE EASTERN BOX TURTILE PROTECTION MEASURES ARE IMPLEMENTED PROPERLY. THE CONTRACTOR SHALL CONTRACT DEAN GUSTAFSON, SENIOR WETLAND SCIENTIST AT APT, AT LEAST 5 BUSINESS DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING. MR. GUSTAFSON CAN BE REACHED AT (860) 984-9515 AND AT DOUSTAFSONGALLPOINTSTECH.COM.

THE PROPOSED EASTERN BOX TURTLE PROTECTION PROGRAM CONSISTS OF SEVERAL COMPONENTS: ISOLATION OF THE PROJECT PERMETER; PERIODIC INSPECTION AND MAINTENANCE OF SOLATION STRUCTURES; TURTLE SWEEPS; EDUCATION OF ALL CONTRACTORS AND SUB-CONTRACTORS PRIOR TO INITIATION OF WORK ON THE SITE; PROTECTIVE MEASURES; AND, REPORTING.

1.ISOLATION MEASURES

- O.INSTALLATION OF CONVENTIONAL SILT FENCING, WHICH WILL ALSO SERVE AS AN ISOLATION OF THE WORK ZONE FROM SURROUNDING AREAS AND IS REQUIRED FOR EROSION CONTROL COMPULANCE, SHALL BE PERFORMED BY THE CONTRACTOR FOLLOWING CLEARING ACTIVITIES AND PRIOR TO ANY EARTHWORK. APT WILL INSPECT THE WORK ZONE AREA PRIOR TO AND FOLLOWING EROSION CONTROL BARRIER INSTALLATION TO ENSURE THE AREA IS FREE OF EASTERN BOX TURTLES.
- B. THE FENCING WILL CONSIST OF CONVENTIONAL EROSION CONTROL WOVEN FABRIC, INSTALLED APPROXIMATELY SIX INCHES BELOW SURFACE GRADE TO BURY THE BOTTOM OF THE SILT FENCE AND STAKED AT SEVEN TO TEN-POOT INTERVALS USING FOUR-POOT DAY, STAKES OR APPROVED EQUIVALENT. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNATING A QUALIFIED ON-SITE CONSTRUCTION PERSON TO BE RESPONSIBLE FOR THE DAILY INSPECTION AND UPKEEP OF ALL EROSION AND SEDMENTATION CONTROLS.
- C. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A RESERVE SUPPLY OF EROSION CONTROLS ON SITE FOR USE AS REQUIRED OR AS DIRECTED BY THE ENVIRONMENTAL MONITOR.
- d. THE ENVIRONMENTAL MONITOR WILL MONITOR THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS THROUGHOUT THE DURATION OF THE PROJECT'S CONSTRUCTION. INSPECTIONS WILL BE PERFORMED AS FOLLOWS: 1) WEEKLY OR 2) BIMPERLY, WHICH INCLUDES INSPECTIONS FOLLOWING PRECIPITATION EVENTS TOTALING 0.25 INCH OR GREATER.
- e.THE EXTENT OF THE BARRIER FENCING WILL EFFECTIVELY ISOLATE THE CONSTRUCTION AREA, INCLUDING EQUIPMENT AND MATERIAL STORAGE AREAS, FROM POSSIBLE MIGRATING TURTLES. FIELD CONDITIONS MAY REQUIRE THE INSTALLATION OF ADDITIONAL BARRIER FENCING AT THE DIRECTION OF APT.
- f. NO EQUIPMENT, VEHICLES OR CONSTRUCTION MATERIALS SHALL BE STORED OUTSIDE OF BARRIER FENCING.

2.CONTRACTOR EDUCATION:

- e.PRIOR TO WORK ON SITE, THE CONTRACTOR SHALL ATTEND AN EDUCATIONAL SESSION AT THE PRE-CONSTRUCTION MEETING WITH APT. THIS ORENTATION AND EDUCATIONAL SESSION WITH PHOTOS IDENTIFYING EASTERN BOX TURTLE, STRESSING THE HON-AGGRESSINE NATURE OF THIS SPECIES AND THE ASSENCE OF NEED TO DESTROY ANIMALS THAT MIGHT BE ENCOUNTERED, HOW TO PROPERLY HANDLE THESE SPECIES IF ENCOUNTERED AND THE NEED TO FOLLOW PROTECTIVE MEASURES AS DESCRIBED IN SECTION 3.
- b. ALSO STRESSED IN THE EDUCATION SESSION WILL BE MEANS TO DISCRIMINATE BETWEEN THE SPECIES OF CONCERN AND OTHER NATIVE SPECIES TO AVOID UNINECESSARY, "FALSE ALARMS".
- C.THE CONTRACTOR WILL BE PROVIDED WITH CELL PHONE AND EMAIL CONTACTS FOR APT ENVIRONMENTAL MONITOR STAFF TO IMMEDIATELY REPORT ANY ENCOUNTERS WITH EXSTERN BOX TURTLE. POSTER MATERIALS WILL BE PROVIDED BY APT TO THE CONTRACTOR FOR POSTING ON THE JOB SITE TO MAINTAIN WORKER AWARENESS, ALONG WITH ANY VISTORS, TO THE SENSITIVE ENVIRONMENTAL NATURE OF THE JOB SITE.

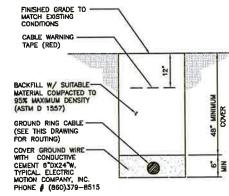
3.PROTECTIVE MEASURES

- 0.A THOROUGH COVER SEARCH OF THE CONSTRUCTION AREA WILL BE PERFORMED BY AN APT ENVIRONMENTAL MONITOR FOR EASTERN BOX TURTLE PRIOR TO AND FOLLOWING INSTALLATION OF SILT FENCING TO REMOVE ANY SPECIES FROM THE WORK ZONE PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES.
- b.PRIOR TO THE START OF CONSTRUCTION EACH DAY, THE CONTRACTOR SHALL SEARCH THE ENTIRE WORK AREA FOR EASTERN BOX TURTLE.
- c.IF EASTERN BOX TURTLE ARE FOUND, IT SHOULD BE CAREFULLY GRASPED IN BOTH HANDS, ONE ON EACH SIDE OF THE SHELL, BETWEEN THE TURTLE'S FORELIMES AND THE HIND LIMBS, AND PLACED JUST OUTSIDE OF THE ISOLATION BARRIER IN THE APPROXIMATE DIRECTION IT WAS HEADING.
- d.Special care shall be taken by the contractor during early morning and evening hours so that possible basking or foraging turtles are not harmed by construction activities.
- e.erosion control measures will be removed no later than 30 days following final site stabilization so as not to impede migration of turtles or other wildlife.

4.REPORTING

- d.BMEEKLY INSPECTION REPORTS (BRIEF NARRATIVE AND APPLICABLE PHOTOS) WILL BE SUBMITTED BY THE ENVIRONMENTAL MONITOR TO THE CONNECTICUT SITING COUNCIL FOR COMPLIANCE VERIFICATION. ANY OBSERVATIONS OF EASTERN BOX TURTLE WILL BE INCLUDED IN THE REPORTS.
- D.FOLLOWING COMPLETION OF THE CONSTRUCTION PROJECT, APT WILL PROVIDE A SUMMARY REPORT TO CITIESE DOCUMENTING THE MONITORING AND MAINTENANCE OF THE BARRIER FENCE AND OBSERVATIONS OF ANY EASTERN BOX TURLE EXCOUNTERED.

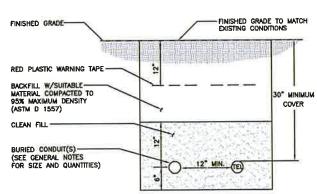
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1. BACK FILL SHALL NOT CONTAIN ASHES, CINDERS, SHELLS, FROZEN MATERIAL, LOOSE DEBRIS OR STONES LARGER THAN 2" IN MAXIMUM DIMENSION,

2. WHERE EXISTING UTILITIES ARE LIKELY TO BE ENCOUNTERED, CONTRACTOR SHALL HAND DIG AND PROTECT EXISTING UTILITIES.

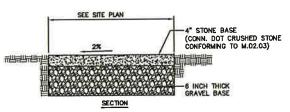
7 TYPICAL BURIAL GROUND CABLE DETAIL
NOT TO SCALE



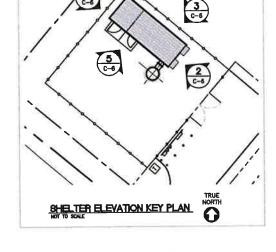
- NOTES:

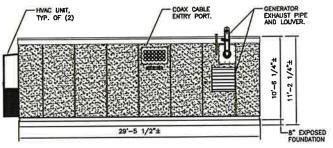
 1. THE CLEAN FILL SHALL PASS THROUGH A 3/8" MESH SCREEN
 AND SHALL NOT CONTAIN SHARP STONES. OTHER BACKFILL SHALL
 NOT CONTAIN ASHES, CINDERS, SHELLS, FROZEN MATERIAL, LOOSE
 DEBRIS OR STONES LARGER THAN 2" IN MAXIMUM DIMENSION.
- 2. WHERE EXISTING UTILITIES ARE LIKELY TO BE ENCOUNTERED, CONTRACTOR SHALL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

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

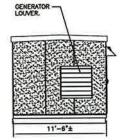






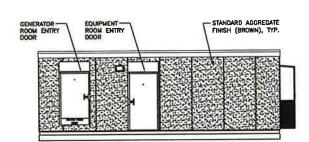






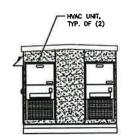
4 WESTERN SHELTER ELEVATION

SCALE: 3/18" - 1'-0"



5 SOUTHERN SHELTER ELEVATION

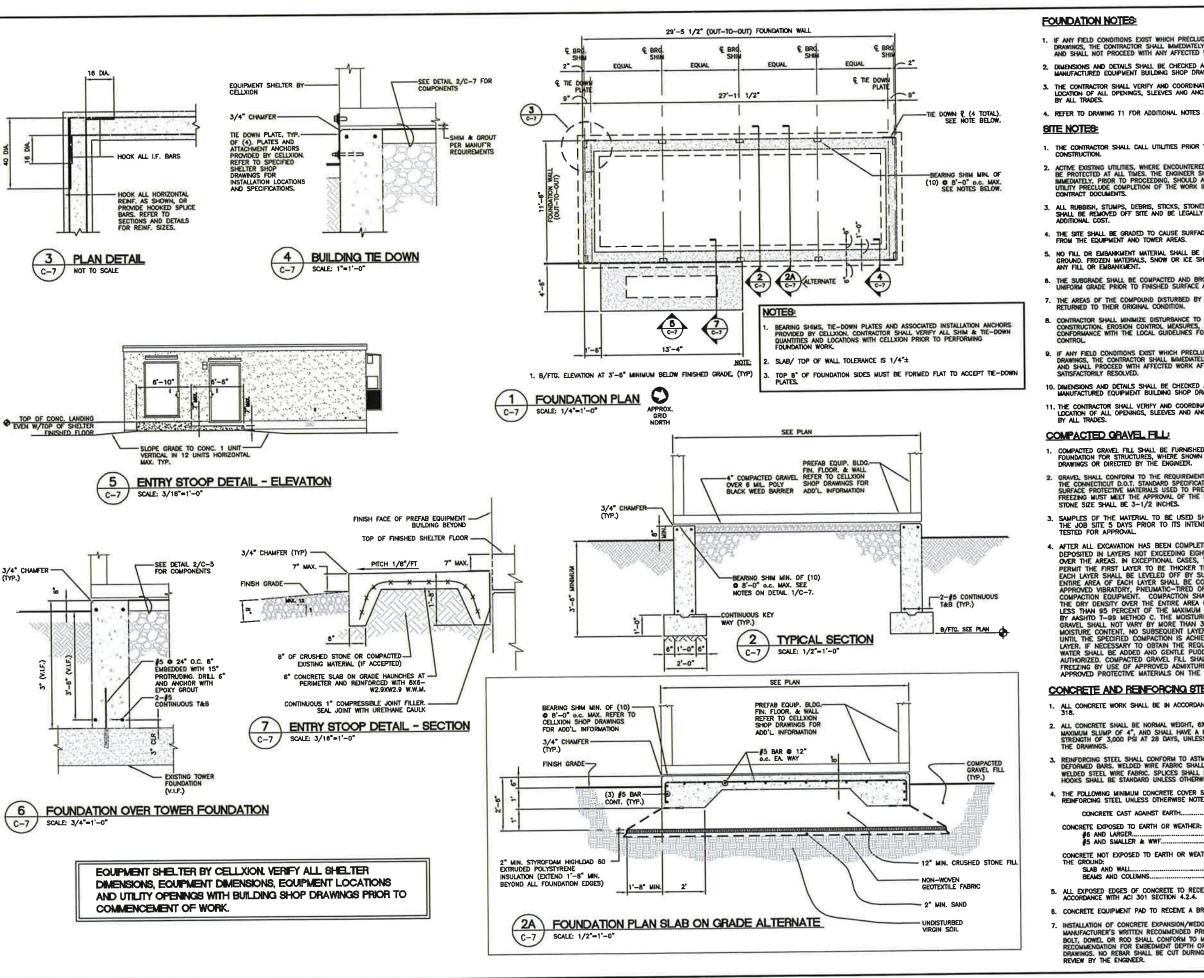
SCALE 3/16" - 1'-0"



2 EASTERN SHE C-6 SCALE: 3/16" - 1'-0" EASTERN SHELTER ELEVATION

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C-6



- IF ANY FIELD CONDITIONS EXIST WHICH PRECLUDE COMPLIANCE WITH THE DRAWINGS, THE CONTRACTOR SHALL MAREDATELY 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 LOCKTION OF ALL OPENINGS, SLEEVES AND ANCHOR BOLTS AS REQUIRED BY ALL TRADES.
- 4. REFER TO DRAWING T1 FOR ADDITIONAL NOTES AND REQUIREMENTS.
- THE CONTRACTOR SHALL CALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.
- 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.
- 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.
- B. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION, EROSION CONTROL MEASURES, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT.
- 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:

- 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 N.02.02 OF THE CONNECTICUT D.O.T. STANDARD SPECIFICATIONS. ADMIXTURES AND SURFACE PROTECTIVE MATERIALS USED TO PREVENT THE GRAVEL FROM FREEZENG MUST MEET THE APPROVAL OF THE ENGINEER. THE LARGEST
- 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
- 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 VIBRATION?, PNEUMATIC—TIRED ON 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 ASATIO T—99 METHOD C. THE MOSTURE CONTENT OF THE GRAVEL SHALL NOT VARY BY MORE THAN 3 X+ FROM ITS OPTIMUM MOISTURE CONTENT. NO SUBSCULENT 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 CENTLE 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
- 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
- REINFORCING STEEL SHALL CONFORM TO ASTM AB15, GRADE 80, DEFORMED BARS, WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 WELDED STEEL WIRE FABRIC. SPLICES SHALL CONFORM TO ASTM AN 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...

CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND: SLAB AND WALL BEAMS AND COLUMNS.....

- ALL EXPOSED EDGES OF CONCRETE TO RECEIVE A 3/4" CHAMFER IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
- 8. 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 ROO SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT DURING DRILLING WITHOUT PROOR REVIEW BY THE ENGINEER.

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