

# T-Mobile-

35 GRIFFIN ROAD BLOOMFIELD, CT 06002 OFFICE: (860)-692-7100 FAX: (860)-692-7159

# DEVELOPMENT & MANAGEMENT PLAN DRAWING INDEX

- T-1 TITLE SHEET & INDEX
- R-1 ABUTTERS MAP & CONSTR. SEQUENCE
- SP-1 SITE PLAN
- SP-2 GRADING & EROSION CONTROL PLAN
- A-1 COMPOUND PLAN & TOWER ELEVATION

- C-1 T-MOBILE EQUIPMENT PLAN & DETAILS
- S-1 COMPOUND DETAILS
- N-1 NOTES & SPECIFICATIONS

\*SITE INFORMATION:

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CALL BEFORE YOU DIG: (800) 922-4455

GOVERNING CODES: 2005 CONNECTICUT BUILDING CODE (2003 IBC BASIS) NATIONAL ELECTRIC CODE EIA/TIA 222F 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION & SEDIMENT CONTROL

### SITE INFORMATION

## CTNL801A AMTRAK OLD LYME 2 61-1 BUTTONBALL ROAD OLD LYME, CT 06371-1757

DEVELOPMENT & MANAGEMENT DOCUMENTS AMTRAK OLD LYME 2 61-1 BUTTONBALL ROAD

OLD LYME, CT 06371-1757 DESIGN TYPE:

#### RAW LAND

# REVISIONS: REV.0: 02/14/11: FOR REVIEW: SMC REV.1: 03/16/11: FOR CSC: SMC REV.2: REV.3: REV.4:

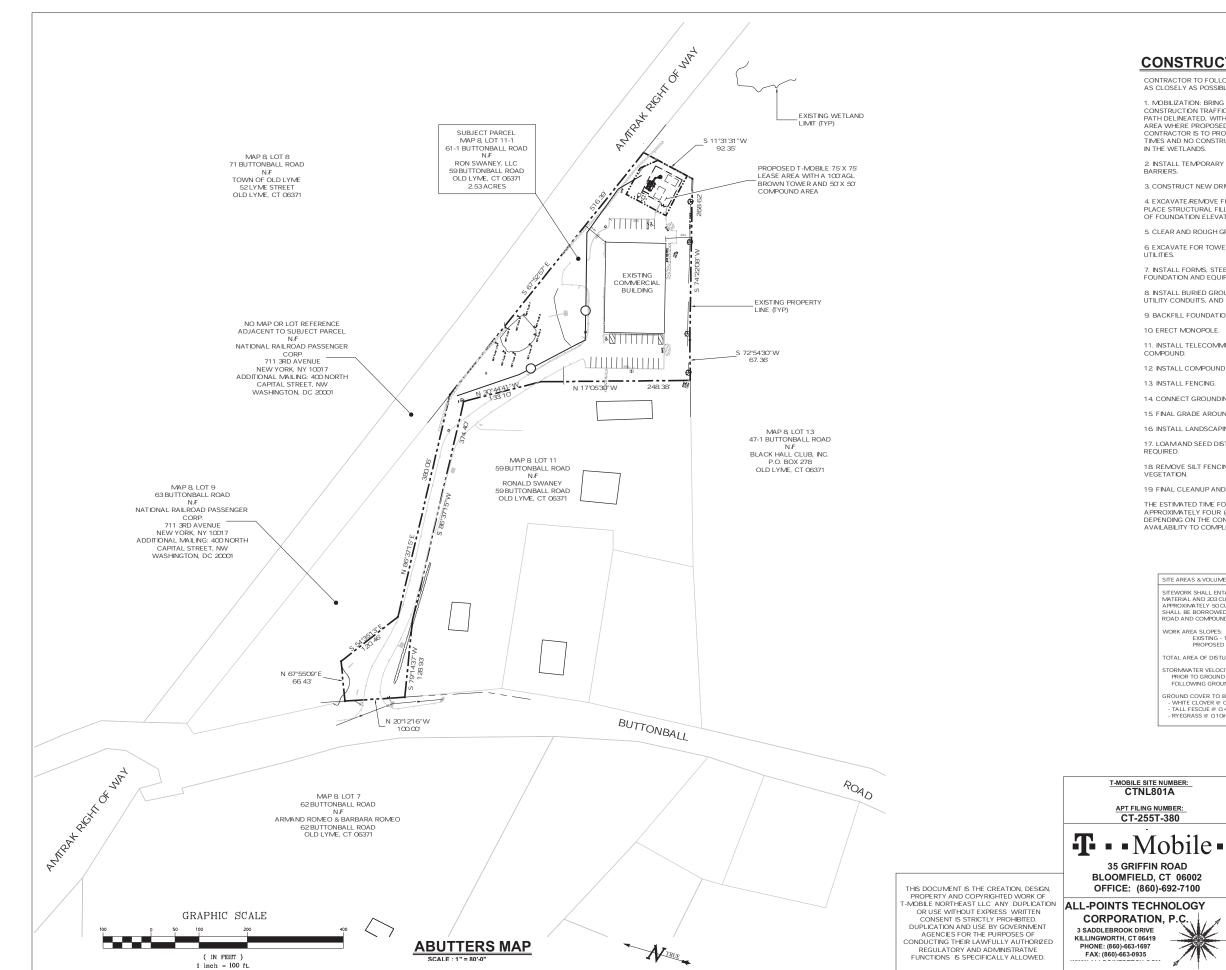
#### TITLE SHEET AND INDEX

APT FILING NUMBER: CT-255T-380 APT DRAWING NUMBER: CTNL801A A-1.DWG DRAWN BY: RCB CHECKED BY: SMC DATE: 02/14/11

SHEET NUMBER:

T-1





#### **CONSTRUCTION SEQUENCING**

CONTRACTOR TO FOLLOW THE FOLLOWING CONSTRUCTION PHASING AS CLOSELY AS POSSIBLE:

1. MOBILIZATION: BRING MATERIAL AND EQUIPMENT TO SITE. ALL I. INDUBILZATION: BRING WATERIAL AND EQUIPMENT TO SITE. ALL CONSTRUCTION TRAFFIC AND ACTIVITIES MUST RESIDE INSOE ACCESS PATH DELINEATED, WITHIN STAGING AND STOCKPILE AREA, OR WITHIN AREA WHERE PROPOSED WORK IS BEING COMPLETED. THE CONTRACTOR IS TO PROTECT WETLANDS FROM DISTURBANCE AT ALL TIMES AND NO CONSTRUCTION ACTIVITIES OR DUMPING SHALL OCCUR IN THE WETLANDS.

2. INSTALL TEMPORARY EROSION AND SEDIMENTATION CONTROL

3. CONSTRUCT NEW DRIVEWAY.

4. EXCAVATE.REMOVE FLL AND REFUSE & STOCKPLE FOR REUSE, PLACE STRUCTURAL FILL TO REESTABLISH SUBGRADES TO UNDERSIDE OF FOUNDATION ELEVATION.

5. CLEAR AND ROUGH GRADE THE PROPOSED EQUIPMENT COMPOUND. 6. EXCAVATE FOR TOWER FOUNDATION, EQUIPMENT SLAB, AND UTILITIES.

7. INSTALL FORMS, STEEL REINFORCING, AND CONCRETE FOR TOWER FOUNDATION AND EQUIPMENT SLAB.

8 INSTALL BURIED GROUND RINGS, GROUND RODS, GROUND LEADS, UTILITY CONDUITS, AND UTILITY EQUIPMENT.

9. BACKELL FOUNDATIONS AND UTILITY TRENCHES.

11. INSTALL TELECOMMUNICATIONS EQUIPMENT ON TOWER AND IN COMPOUND.

12 INSTALL COMPOUND GRAVEL SURFACES.

14. CONNECT GROUNDING LEADS AND LIGHTENING PROTECTION.

15 FINAL GRADE AROUND COMPOUND

16 INSTALL LANDSCAPING AND MULCH, AS REQUIRED.

17. LOAMAND SEED DISTURBED AREAS OUTSIDE COMPOUND, AS REQUIRED.

18 REMOVE SILT FENCING AFTER SEEDED AREAS HAVE ESTABLISHED

19 FINAL CLEANUP AND EQUIPMENT TESTING.

THE ESTIMATED TIME FOR COMPLETION OF THE WORK IS APPROXIMATELY FOUR (4) WEEKS. THE EXACT PROCESS MAY VARY DEPENDING ON THE CONTRACTORS AND SUBCONTRACTORS AVAILABILITY TO COMPLETE WORK AND WEATHER DELAYS.

SITE AREAS & VOLUMES OF EARTHWORK

SITEWORK SHALL ENTAIL 388 CUBIC YARDS OF CUT MATERIAL AND 203 CUBIC YARDS OF FILL APPROXIMATELY 50 CUBIC YARDS OF CRUSHED STONE SHALL BE BORROWED TO COMPLETE THE ENTRANCE COMPOUND

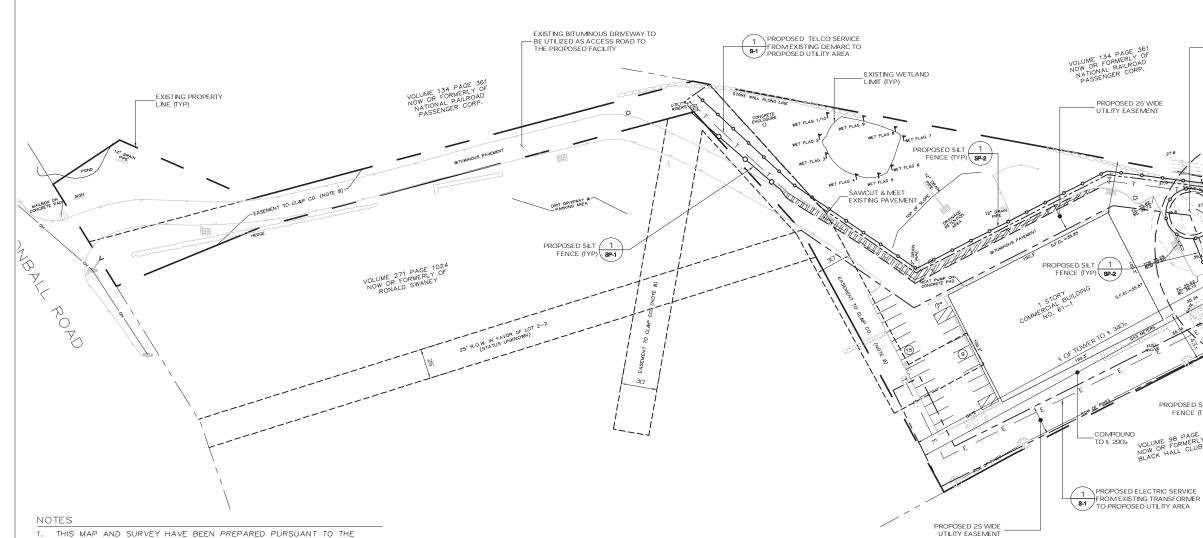
WORK AREA SLOPES: EXISTING - 15% PROPOSED - 8%

TOTAL AREA OF DISTURBANCE = 9,500±SF

STORMWATER VELOCITY: PRIOR TO GROUND COVER = 2.5FT.SEC FOLLOWING GROUND COVER = 2.0FT.SEC

ROUND COVER TO BE ESTABLISHED AS FOLLOWS: - WHITE CLOVER @ 0.20# /000SF - TALL FESCUE @ 0.45# /000SF - RYEGRASS @ 0.10# /1000SF

DEVELOPMENT & MANAGEMENT DOCUMENTS **ABUTTERS MAP &** AMTRAK OLD LYME 2 CONSTRUCTION 61-1 BUTTONBALL ROAD SEQUENCE OLD LYME, CT 06371-1757 DESIGN TYPE: APT FILING NUMBER: CT-255T-380 APT DRAWING NUMBER: CTNL801A RAW LAND DRAWN BY: RCB SCALE: AS NOTED CHECKED BY: SMC DATE: 02/14/11 REVISIONS: REV.0: 02/14/11: FOR REVIEW: SMC SHEET NUMBER REV.1: 03/16/11: FOR CSC: SMC REV.2: **R-**<sup>^</sup> REV.3: REV.4:



1. THIS MAP AND SURVEY HAVE BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT," AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

THE TYPE OF SURVEY PERFORMED AND THE MAPPED FEATURES DEPICTED HEREON ARE IN ACCORDANCE WITH THE REQUIREMENTS OF A PROPERTY SURVEY.

BOUNDARY DETERMINATION CATEGORY: DEPENDENT RESURVEY OF REFERENCE MAP LOT  $2\!-\!2$ 

HORIZONTAL ACCURACY CLASS: A-2

2. VERTICAL ACCURACY CLASS: T-2. ELEVATIONS REFER TO NATIONAL GEODETIC VERTICAL DATUM 1929. TOPOGRAPHIC INFORMATION IS DEPICED ONLY FOR A PORTION OF THE PROPERTY.

3. LOT AREA =  $\pm$  110,169 SQUARE FEET OR 2.529 ACRES.

4. ALL MONUMENTATION FOUND OR SET ON THE SUBJECT PREMISES IS DEPICTED HEREON.

5. NORTH ARROW AND BEARINGS REFER TO REFERENCE MAP.

6. REFERENCE:

"RECORD SUBDIVISION MAP, PROPERTY OF RONALD AND BARBARA A. SWANEY, BUTTONBALL ROAD, OLD LYME, CT," DATED JUNE 7, 1996, REVISED TO JULY 10, 1996, PREPARED BY HENDRIKS ASSOCIATES, LLC, AND FILED AS MAP NO. 2903 WITH THE OLD LYME TOWN CLERK.

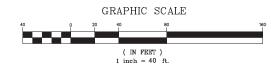
7. DEED REFERENCE: BOOK 344 PAGE 975 OF THE OLD LYME LAND RECORDS.

8. THE PROPERTY IS SUBJECT TO AN EASEMENT RECORDED IN BOOK 347, PAGE 853 OF THE OLD LYME LAND RECORDS. IT IS DEPICTED HEREON.

 PARCEL OWNER OF RECORD: RON SWANEY LLC 59 BUTTONBALL ROAD OLD LYME, CT 06371

10. WET LAND FLAGS SET BY VANASSE, HAGEN, BRUSTLIN, INC.

11. APPROXIMATE LOCATION OF POND ON ADJACENT PROPERTY TAKEN FROM AERIAL SOURCES.



LEGEND						
	CURB		DRAINAGE INLET / STRUCTURE			
	DROP CURB		CATCH BASIN			
	WALL	d	SIGN			
000	STONE WALL	¢	LIGHT POLE			
	EDGE OF PAVEMENT	J.	UTILITY POLE			
— но —	OVERHEAD WIRES	— x —	STOCKADE FENCE			
$\mathbb{M}$	STRUCTURE - MANHOLE	— 65 —	CONTOURS			
$\boxtimes$	GAS VALVE	TC 55.00 BC 54.50	TOP/BOTTOM OF CURB			
$\otimes$	WATER VALVE	55.43	SPOT ELEVATION			
Ê.	HANDICAP PARKING		CONCRETE			
20	PARKING STALL COUNT	≻—	GUY WIRE			

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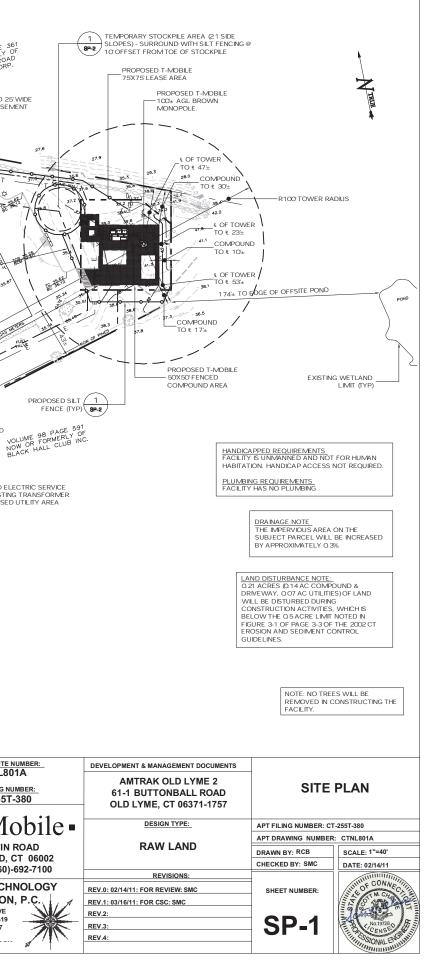
AGENCIES FOR THE PURPOSES OF

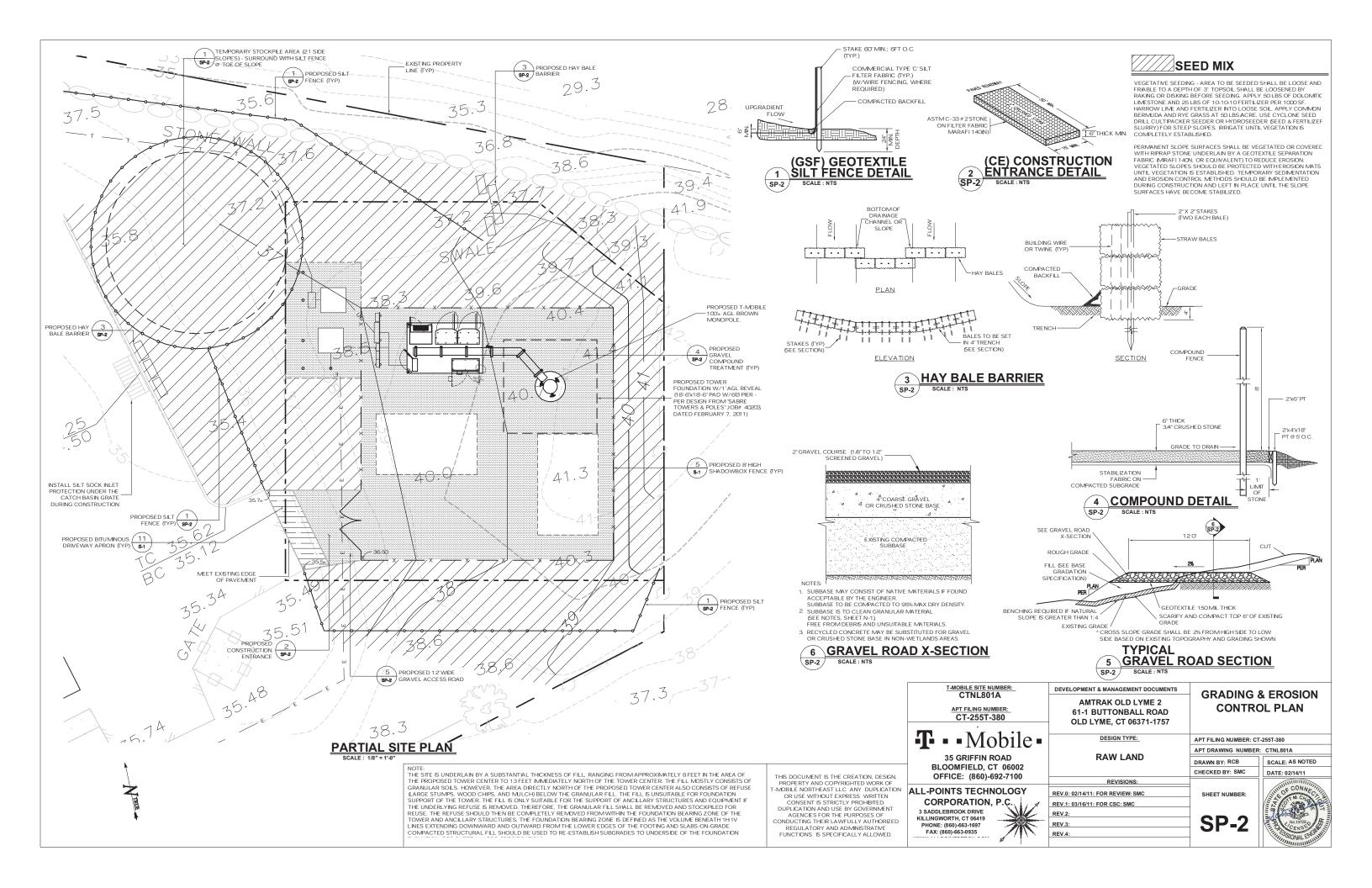
REGULATORY AND ADMINISTRATIVE

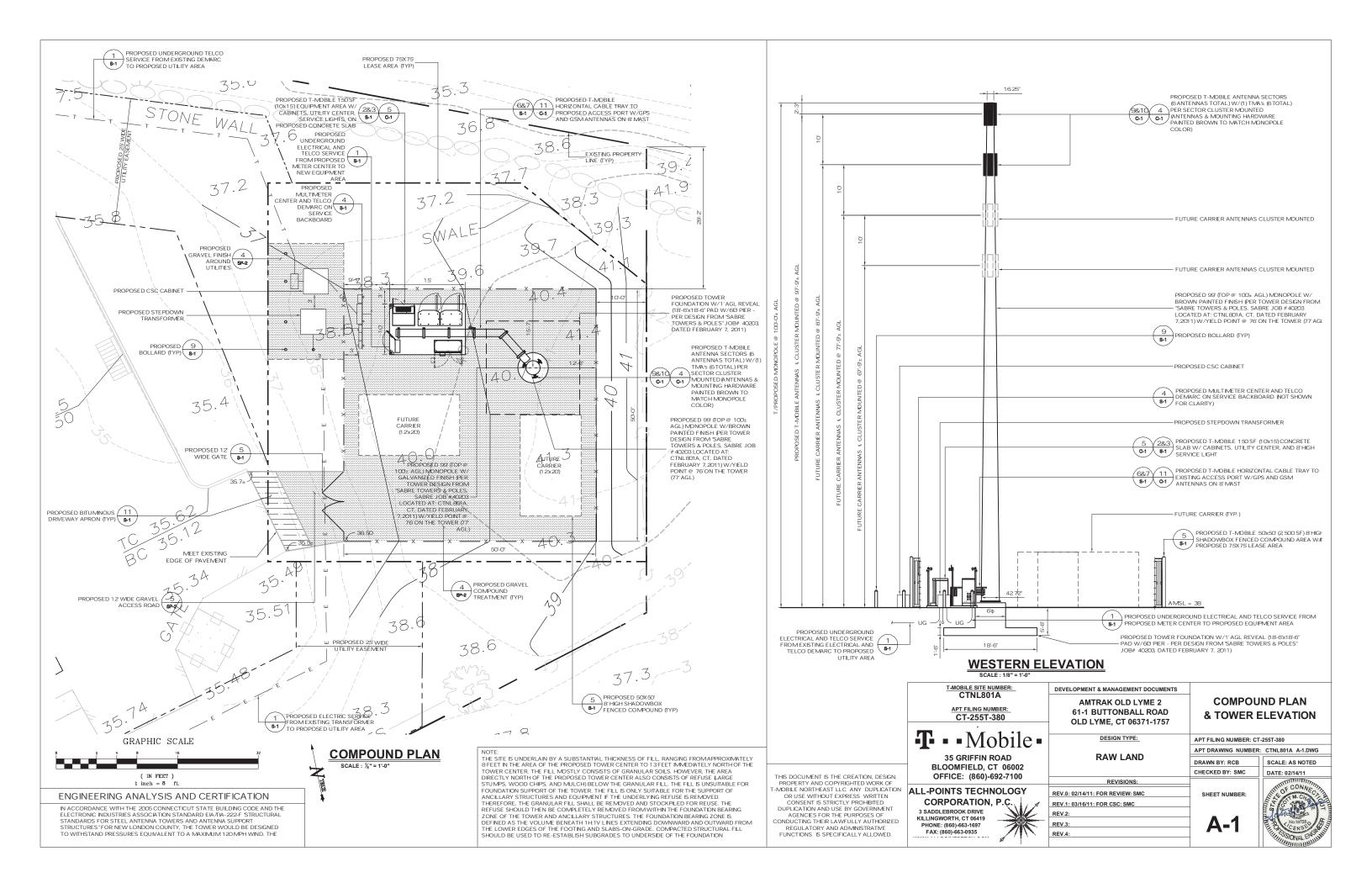
FUNCTIONS IS SPECIFICALLY ALLOWED.

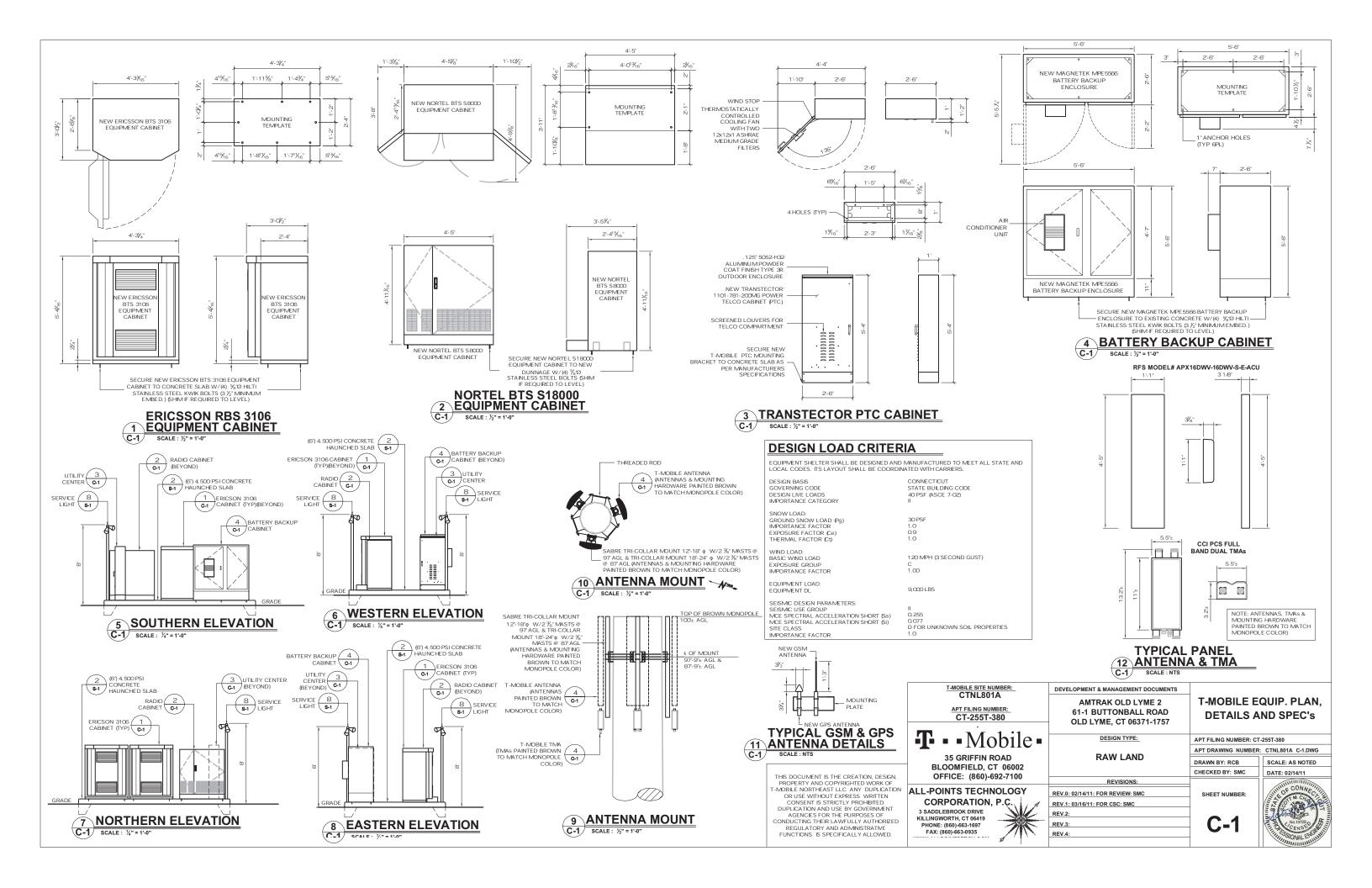
CONDUCTING THEIR LAWFULLY AUTHORIZED

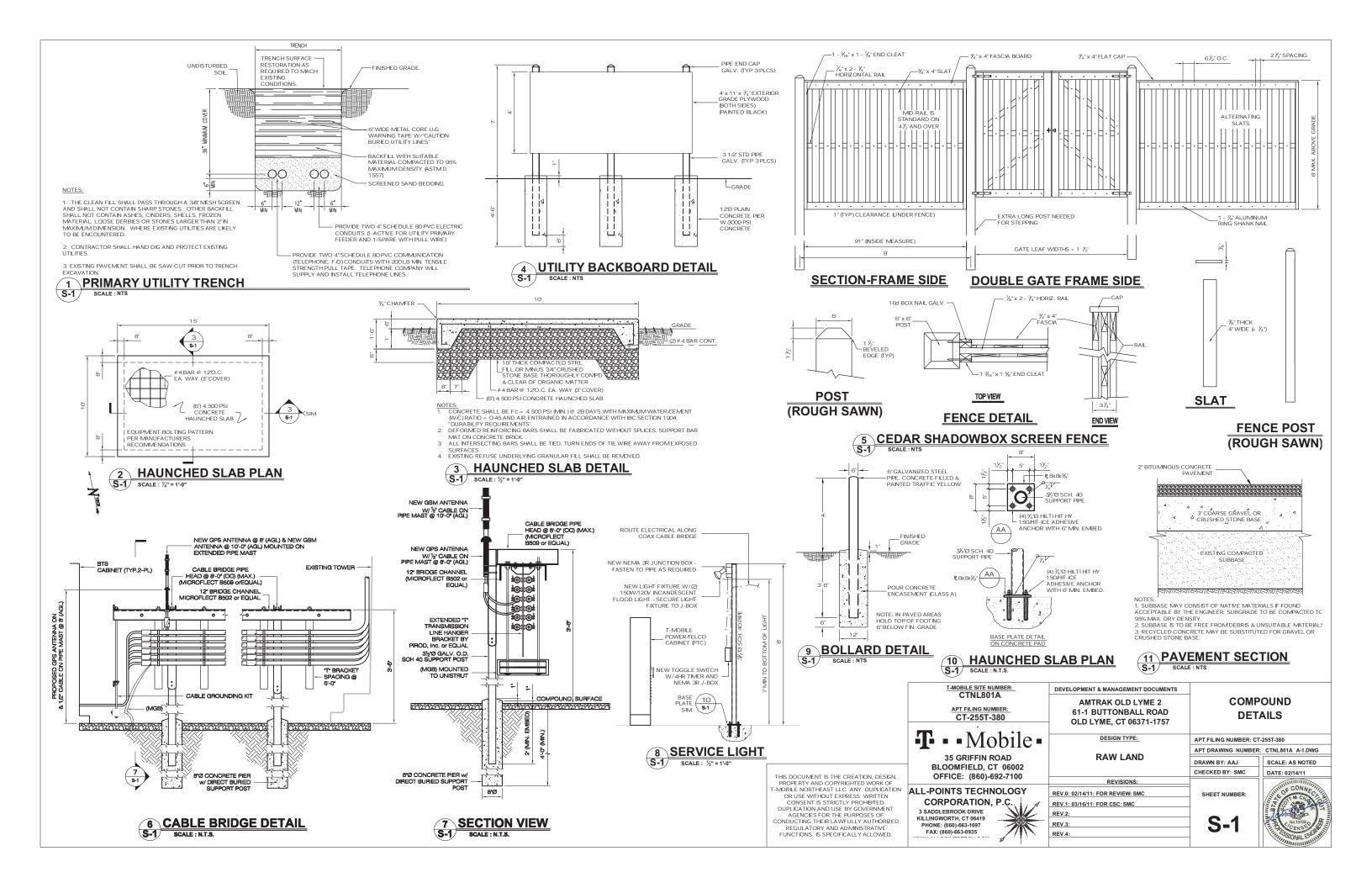
CORPORATION, P.C. 3 SADLEBROOK DRIVE KILLINGWORTH, CT 06419 PHONE: (860)-663-1697 FAX: (860)-663-0935











#### **GENERAL NOTES:**

ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL COMPLY WITH THE STANDARDS AND SPECIFICATIONS OF THE TOWN OF OLD LYME, AND OTHER GOVERNMENTAL AGENCIES, AS APPLICABLE

2 THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS BEFORE COMVENCING WORK. THE CONTRACTOR SHALL FOLLOW CONDITIONS OF ALL APPLICABLE PERMITS AND WORK IN ACCORD WITH OSHA REGULATIONS.

3 UTILITY INFORMATION SHOWN ON THE PLAN IS BASED ON VISIBLE FIELD EVIDENCE AND AVAILABLE RECORDS. THE CONTRACTOR SHALL FELD VERFY THE LOCATION OF ALL UTILITES PRIOR TO COMMENCING WORK. THE CONTRACTOR IS ADVISED THAT THESE DRAWINGS MAY NOT ACCURATELY DEPICT AS-BULT LOCATIONS AND OTHER UNKNOWN STRUCTURES. THE CONTRACTOR SHALL THEREFORE DIFFERMINE THE EXACT LOCATION OF EXISTING UNDERGROUND ELEMENTS AND EXCAVATE WITH CARE AFTER CALLING MARKOUT SERVICE AT 1-800-922-4455 (72) HOURS BEFORE DIGGING, DRILLING OR BLASTING. CARE SHALL BE TAKEN NOT TO DISTURB EXISTING UTILITIES AND SERVICE CONTRACTORS OR POSITIONS THERE OF) TO REMAIN. CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING STRUCTURES OR UTILITIES DAMAGED BY HIS OPERATIONS.

4. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF NEW SERVICE CONNECTIONS AND SHALL COORDINATE WORK WITH THE APPROPRIATE UTILITY COMPAN

ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, FIBER OPTIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE ROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER.

6 EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PER DRILLING AROUND OR NEAR UTILITIES CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE, BUT NOT BE LIMITED TO: PROTECTION, A)FALL

B) CONFINED SPACE ENTRY, C)ELECTRICAL SAFETY, AND D) TRENCHING & EXCAVATION.

7. ELECTRIC SERVICE SHALL BE COORDINATED WITH CONNECTICUT LIGHT & POWER (CL & P)

8 ALL ELEVATIONS SHOWN ARE IN N.G.V. DATUM 1929.

9. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY

10 CONTRACTOR SHALL PROTECT EXISTING PAVED AND GRAVEL SURFACES, CURBS, LANDSCAPE AND STRUCTURES AND RESTORE SITE TO PRECONSTRUCTION CONDITION WITH AS GOOD, OR BETTER, MATERIALS. NEW MATERIALS SHALL MATCH EXISTING THICKNESS AND TYPE.

11. THE CONTRACTOR SHALL SHORE ALL TRENCH EXCAVATION GREATER THAN 5FEET IN DEPTH OR LESS WHERE SOL CONDITIONS ARE DEEMED UNSTABLE. ALL SHEETING AND/OR SHORING METHODS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER.

12 THE CONTRACTOR IS RESPONSIBLE FOR MANAGING GROUNDWATER LEVELS IN THE VICINITY OF EXCAVATIONS TO PROTECT ADJACENT PROPERTIES AND NEW WORK. GROUNDWATER SHALL BE DRAINED IN ACCORDANCE WITH LOCAL SEDIMENTATION & EROSION CONTROL GUIDELINES.

13 EXCAVATION CONTRACTOR SHALL GRADE ONLY AREAS SHOWN TO BE MODIFED HEREIN AND ONLY TO THE EXTENT REQUIRED TO SHED OVERLAND WATER FLOW AWAY FROMSITE. ALL SLOPES SHALL NOT BE STEEPER THAN 31 (HORE/VERT)

SEDIMENTATION AND EROSION CONTROLS SHOWN AND SPECIFIED SHALL BE ESTABLISHED BEFORE STRIPPING EXISTING VEGETATION.

ORGANIC MATERIAL AND DEBRIS SHALL BE STRIPPED AND STOCKPILED BEFORE ADDING FILL MATERIAL.

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.

ALL FILL SHALL BE PLACED IN EIGHT INCH LIFTS AND COMPACTED IN PLACE. STRUCTURAL FILL SHALL BE COMPACTED TO 95% MAXIMUM MODIFIED PROCTOR DRY DENSITY TESTED IN ACCORDANCE WITH ASTMD1557, METHOD C.

EXCAVATIONS FOR FOOTINGS SHALL BE CUT LEVEL TO THE REQUIRED DEPTH AND TO UNDISTURBED SOL. REPORT UNSUITABLE SOL CONDITIONS TO THE ENGINEER.

STRUCTURAL FILL BE TESTED FOR MOISTURE CONTENT AND COMPACTION DURING PLACEMENT. SHOULD THE RESULTS OF THE IN-PLACE DENSITY TESTS INDICATE THE SPECIFIED MOISTURE OR COMPACTION LIMITS HAVE NOT BEEN MET, THE AREA REPRESENTED BY THE TEST SHOULD BE REWORKED AND RETESTED, AS REQUIRED, UNTIL THE SPECIFIED MOISTURE AND COMPACTION REQUIREMENTS ARE ACHIEVED.

EQUIPMENT CABINETS MAY BE SUPPORTED ON SLABS-ON-GRADE UNDERLAIN BY AT LEAST A 12-INCH THICKNESS OF COMPACTED STRUCTURAL FILL OR MINUS <sup>3</sup>/<sup>4</sup> INCH CRUSHED STONE PLACED ON THE EXISTING FILL, THE SURFACE OF WHICH SHOULD BE THOROUGHLY COMPACTED AND CLEAR OF ORGANIC MATTER.

THE AREA UNDERLYING THE SLABS SHOULD BE ROUGH GRADED AND THEN THOROUGHLY PROOFROLLED WITH A VIBRATORY ROLLER OR HEAVY PLATE COMPACTOR PRIOR TO FINAL GRADING AND PLACEMENT OF STRUCTURAL FILL OR MINUS  $-rac{3}{4}$ "-INCH CRUSHED STONE

A SOIL UNIT WEIGHT OF 100 LBS PER CUBIC FOOT (PCF) SHOULD BE USED FOR ENGINEERED FILL OVERLYING THE FOOTINGS

TRENCH EXCAVATIONS SHALL BE BACKFILLED AT THE END OF EACH DAY

SURPLUS MATERIAL SHALL BE REMOVED FROM THE SITE

TOWER FOUNDATION EXCAVATION, BACKFILL AND COMPACTION SHALL BE IN ACCORD WITH TOWER MANUFACTURERS DESIGNS AND SPECIFICATIONS

14. MATERIALS NATIVE GRAVEL MATERIAL MAY BE USED FOR TRENCH BACKELL WHERE SELECT MATERIAL IS NOT SPECIFIED, GRAVEL MATERIAL FOR CONDUIT TRENCH BACKFILL SHALL NOT CONTAIN ROCK GREATER THAN 2 INCHES IN DAMETI

BANK OR CRUSHED GRAVEL SHALL CONSIST OF TOUGH, DURABLE PARTICLES OF CRUSHED OR UNCRUSHED GRAVEL FREE OF SOFT, THIN, ELONGATED OR LAMINATED PIECES AND MEET THE GRADATION.

FILL SHOULD MEET THE FOLLOWING MATERIAL PROPERTY REQUIREMENTS:

FILL TYPE (1)	USCS CLASSIFICATION	ACCEPTABLE LOCATION FOR PLACEMENT
STRUCTURAL FILL	GW (2)	ALL LOCATIONS AND ELEVATIONS. EXCAVATED EXISTING GRANULAR FILL MAT BE SELECTIVELY RE-USED AS STRUCTURAL FILL WITHIN THE COMPOUND AREA, PROVIDED IT CAN BE ADEQUATELY COMPACTED AND IS FREE FROM ORGANICS AND DEBRIS. THE REFUSE IS NOT SUITABLE FOR RE-USE AS STRUCTURAL FILL
COMMON FILL	VARIES (3)	EXCAVATED EXISTING GRANULAR FILL MAY BE RE-USED AS COMMON FILL FOR MINOR SITE GRADING AND FILL SLOPES, PROVIDED IT CAN BE ADEQUATELY COMPACTED. COMMON FILL SHOULD NOT BE USED UNDER SETTLEMENT SENSITIVE STRUCTURES. THE REFUSE IS NOT SUITABLE FOR RE-USE AS COMMON FILL.

COMPACTED STRUCTURAL FILL SHOULD CONSIST OF APPROVED MATERIALS THAT ARE FREE OF ORGANIC MATTER AND DEBRIS. FROZEN MATERIAL SHOULD NOT BE USED. FILL SHOULD NOT BE PLACED ON A FROZEN SUBGRAD

2. IMPORTED STRUCTURAL FILL SHOULD MEET THE FOLLOWING GRADATION:

PERCENT PASSING BY WEIGHT

SIEVE SIZE	STRUCTURAL FILL
6"	100
3"	70-100
2"	(100)*
3"	45-95
NO. 4	30-90
NO. 10	25-80
NO. 40	10-50
NO. 200	0-12

\* MAXIMUM 2-INCH PARTICLE SIZE WITHIN 12 INCHES OF THE UNDERSIDE OF FOOTINGS OR SLABS

3. COMMON FILL SHOULD HAVE A MAXIMUM PARTICLE SIZE OF 6 INCHES AND NO MORE THAN 25 PERCENT BY WEIGHT PASSING

#### SEDIMENTATION/EROSION

THE CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES SHALL BE IN CONFORMANCE WITH THE 2002 CONNECTICUT GUDLINES FOR SOLE ROSION AND SEDIMENT CONTROL.

CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUENCING SUCH THAT EARTH MATERIALS ARE EXPOSED FOR A MINIMUM OF TIME BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED TO PREVENT EROSION. THE FOLLOWING GENERAL CONDITIONS SHALL BE OBSERVED:

A. LIMITS OF CLEARING AND GRUBBING SHALL BE CLEARLY MARKED BEFORE COMMENCING WITH SUCH WORK

B. EXISTING VEGETATION TO REMAIN SHALL BE PROTECTED AND REMAIN

C. CLEARING AND GRADING SHALL BE SCHEDULED SO AS TO MINIMZE THE SIZE OF EXPOSED AREAS AND THE LENGTH OF TIME THAT AREAS ARE EXPOSED.

D. TOPSOIL SHALL BE SPREAD TO FINISH GRADES AND SEEDED AS SOON AS FINISHED GRADES ARE ESTABLISHED. STRAW MULCH, JUTE NETTING OR MATS SHALL BE USED WHERE THE NEW SEED IS PLACED.

E. THE LENGTH AND STEEPNESS OF CLEARED SLOPES SHALL BE MINIMIZED TO REDUCE RUNOFF VELOCITIES.

RUNOFF SHALL BE DIVERTED AWAY FROM CLEARED SLOPES.

G. ALL SEDIMENT SHALL BE TRAPPED ON THE SITE.

SEDIMENTATION AND EROSION CONTROL (SEC) MEASURES SHOWN SHALL BE INSTALLED PRIOR TO LAND CLEARING, EXCAVATION OR GRADING OPERATIONS REQUIREMENTS SPECIFIED SHALL BE MET PRIOR TO COMMENCING EARTHWORK OPERATIONS

4 IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN SEC MEASURES THROUGHOUT DURATION OF PROJECT UNTIL DISTURBED LAND IS THOROUGHLY VEGETATED.

FAILURE OF THE SEC SYSTEMS SHALL BE CORRECTED IMMEDIATELY AND SUPPLEMENTED WITH ADDITIONAL MEASURES AS NEEDED.

3 VEGETATIVE SEEDING: UON, AREA TO BE SEEDED SHALL BE LOOSE AND FRIABLE 6 VEGETATIVE SEEDING, UON, ARKA TO BE SEEDED SHALL BE LOOSE AND FRADE TO A DEPTH OF 3". TOPSOL SHALL BE LOOSENED BY RAKING OR DISKING BEFORE SEEDING, APPLY SOLDS, OF DOLOMITIC LIMESTONE AND 25 LDS, OF TO-10-10 FERTLIZER PER 1000 SF. HARROW LIME AND FERTLIZER INTO LOOSE SOL APPLY COMMON BERMUDA AND RYE GRASS AT SOLDS/ACRE. USE CYCLONE SEED DRILL CULTIPACKER SEEDER OR HYDROSEEDER GEED & FERTLIZER SLURRY) FOR STEEP SLOPES. IRRIGATE UNTIL VEGETATION IS COMPLETELY ESTABLISHED.

PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIEY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES. AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL. STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT

INSPECT AND MAINTAIN EROSION CONTROL MEASURES, AND REMOVE a INSPECT AND MAINTAIN EROSDIN COUNTROL MEASURES, AND REMOVE SEDIMENT THEREFROM ON A WEEKLY BASIS AND WITHIN TWELVE HOURS AFTER EACH STORM EVENT AND DISPOSE OF SEDIMENTS IN AN UPLAND AREA SUCH THAT THEY DO NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.

CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOS IT.

10. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT G GEORGE LENDER OF CONSTRUCTION AND ESTABLISHVENT OF PERMANENT GROUND COVER, CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ENTRE DRAINAGE SYSTEMS LOCATED ON SITE

11. APPROPRIATE MEANS SHALL BE USED TO CONTROL DUST DURING CONSTRUCTION.

12 A STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED TO PREVENT SOIL AND LOOSE DEBRIS FORM BEING TRACKED ONTO LOCAL ROADS. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED UNTIL THE SITE IS PERMANENTLY STABILIZED.

13 CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION, EROSION CONTROL MEASURES SHALL BE IN CONFORMACE WITH THE STATE OF CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL, AS AMENDED.

14. TEMPORARY SILT FENCE EROSION CONTROL BARRIER SHALL BE MAINTAINED THROUGHOUT SITE CONSTRUCTION. STOCKPILE ON SITE 100 FT. OF SILT FENCE FOR EMERGENCY USE. TEMPORARY EROSION BARRIERS SHALL REMAIN IN PLACE UNTIL PERMANENT VEGETATIVE GROUND COVER IS ESTABLISHED

15. ALL DISTURBED AREAS OUTSIDE THE LIMITS OF THE EQUIPMENT LEASE AREA SHALL BE PERMANENTLY ESTABLISHED WITH A VEGETATIVE GROUND COVER.

16 STILLING BASIN SHALL BE UTILIZED FOR ANY DE-WATERING DISCHARGE WHICH MAY OCCUR DURING CONSTRUCTION OPERATIONS.

17. PROPOSED CONSTRUCTION IMPACTS AND PERMANENT IMPROVEMENTS SHALL NOT SIGNIFICANTLY IMPACT STORM WATER RUNOFF PATTERNS, VOLUME OR PEAK FLOW RATES. THE FLAT GRADE OF THE EQUIPMENT COMPOUND AND STONE SURFACE WILL PROMOTE STORM WATER INFILTRATION.

18 CONTRACTOR SHALL INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO ANY GRADING ACTIVITIES IN LOCATIONS SHOWN ON THESE

19. 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.

20 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

21 SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORMEVENT. THE DEPOSITS HOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE ARRER.

22 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 VEGETATION

23 NO GREATER THAN &QCCOSQUARE FEET OF LAND SHALL BE EXPOSED AT ANY ONE TIME DURING DEVELOPMENT. WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE EXPOSURE SHOULD BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME AND SHALL NOT EXCEED 10 DAYS. LAND SHOULD NOT BE LEFT EXPOSED DURING THE WINTER MONTHS.

24 ANY DISTURBED AREAS WHICH ARE TO BE LEFT TEMPORARILY, AND WHICH WILL BE 24 ANT DISTORED AREAS WHICH ARE TO BE LEFT TENPORARET, AND WHICH WELL BE REGRADED LATER DURING CONSTRUCTION SHALL BE MACHINE HAY MULCHED AND SEEDED WITH RYE GRASS TO PREVENT EROSION. HAY OR STRAW MULCH SHALL BE APPLIED TO ALL FRESHLY SEEDED AREAS AT A RATE OF 2 TONS PER ACRES. BALES SHALL BE UNSPOLED,

#### STRUCTURAL NOTES & SPECIFICATIONS SITE NOTES

STEEL

3

4

8

10.

11.

CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL THE ENGINEER SHALL BE NOTIFIED OF ANY CONDITIONS WHICH PRECLUDE COMPLETION OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

DESIGN AND CONSTRUCTION OF STRUCTURAL STEEL SHALL 2 CONFORM TO LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION 'SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS'

- STRUCTURAL AND MISCELLANEOUS STEEL SHALL CONFORM TO ASTM A992 (FY-50 KSI), UNLESS OTHERWISE NOTED
- STEEL PIPE SHALL CONFORM TO ASTM A 500 GRADE B STEEL PIPE DIAMETERS NOTED ON THE DRAWINGS ARE NOMINAL

STRUCTURAL CONNECTION BOLTS SHALL CONFORM TO ASTM A325 ALL BOLTS SHALL BE 3/4" DIAMETER MINIMUM AND SHALL HAVE MINIMUM OF TWO BOLTS LINEESS NOTED OTHERWISE ON THE DRAWINGS. LOCK WASHER ARE NOT PERMITTED FOR A325 STEEL ASSEMBLIES.

- NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIAMETER GALVANIZED ASTMA 307 BOLTS UNLESS OTHERWISE NOTED.
- ALL STEEL MATERIAL EXPOSED TO WEATHER SHALL BE 7. GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 ZINC (HOT-DIPPED GALVANIZED) COATINGS" ON IRON AND STEEL PRODUCTS.
- ALL BOLTS ANCHORS AND MISCELLANEOUS HARDWARE EXPOSED TO WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 'Z'INC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE."
- DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY UP ALL DAMAGED GALVANIZED STEEL WITH COLD ZINC, 'GALVANOX', 'DRY GALV", "ZINC IT", OR APPROVED EQUIVALENT, IN ACCORDANCE WITH MANUFACTURERS GUIDELINES. TOUCH UP DAMAGED NON GALVANIZED STEEL WITH SAME PAINT APPLIED IN SHOP OR FIELD.
- CONTRACTOR SHALL COMPLY WITH AWS CODE FOR PROCEDURES, APPEARANCE AND QUALITY OF WELDS, AND WELDING PROCESSES. SHALL BE QUALIFIED IN ACCORDANCE WITH AWS 'STANDARD QUALIFICATION PROCEDURES." ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND D1.1. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J24 IN THE AISC "MANUAL OF STEEL CONSTRUCTION" 9TH EDITION. AT THE COMPLETION OF WELDING, ALL DAMAGE TO GALVANIZED COATING SHALL BE REPAIRED, SEE NOTE 9.
- THE ENGINEER SHALL BE NOTIFIED OF ANY INCORRECTLY FABRICATED, DAMAGED OR OTHERWISE MISFITTING OR NON CONFORMING MATERIALS OR CONDITIONS TO REMEDIAL OR CORRECTIVE ACTION, ANY SUCH ACTION SHALL REQUIRE ENGINEER REVIEW
- APPLY A QUALITY CONCRETE SEALER SUCH AS THEROSEAL TO 12 EXPOSED CONCRETE IN ACCORDANCE WITH MANUFACTURERS APPLICATIONS DIRECTIONS.

CONDUCTING THEIR LAWFULLY AUTHORIZED

REGULATORY AND ADMINISTRATIV FUNCTIONS IS SPECIFICALLY ALLOWED.



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T-MOBILE SITE NUMBER: CTNL801A	DEVELOPMENT & MANAGEMENT DOCUMENTS	VELOPMENT & MANAGEMENT DOCUMENTS         AMTRAK OLD LYME 2       NOTES &         61-1 BUTTONBALL ROAD       SPECIFICATIONS         OLD LYME, CT 06371-1757       OLD LYME 2	
APT FILING NUMBER: CT-255T-380	61-1 BUTTONBALL ROAD		
<b>T</b> ••Mobile•	DESIGN TYPE:	APT FILING NUMBER: CT-255T-380	
	RAW LAND	APT DRAWING NUMBER: CTNL801A N-1.DWG	
35 GRIFFIN ROAD		DRAWN BY: RCB	SCALE: AS NOTED
BLOOMFIELD, CT 06002 OFFICE: (860)-692-7100		CHECKED BY: SMC	DATE: 02/14/11
011102. (000)-032-1100	REVISIONS:		
L-POINTS TECHNOLOGY	REV.0: 02/14/11: FOR REVIEW: SMC	SHEET NUMBER:	UNIT OF CONNECTION
CORPORATION, P.C.	REV.1: 03/16/11: FOR CSC: SMC		ES O LONG
3 SADDLEBROOK DRIVE	REV.2:		The state of the s
PHONE: (860)-663-1697	REV.3:	N-1	E D C NO.19728 O E
FAX: (860)-663-0935	REV.4:		SSIONAL ENGLISHI

1. ALL DIVENSIONS, ELEVATIONS AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE 1. ALL DIMENSIONS, ELEVATIONS AND EXSTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE VERTED BY THE CONTRACTOR AND THE TESTING AGENCY PRIOR TO BEGINNING ANY MATERIAL ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. ANY DISCREPANCES SHALL BE INMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNERS ENGINEER. THE DISCREPANCES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSELE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OBSERVATION VISITS TO THE SITE BY THE OWNER AND OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES.

2 DAMAGE BY THE CONTRACTOR TO UTILITIES OR PROPERTY OF OTHERS, INCLUDING EXISTING PAVEMENT AND OTHER SURFACES DISTURBED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPARED TO PRE-CONSTRUCTION CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CLENT. FOR GRASSED AREAS, SEED AND MULCH SHALL BE ACCEPTABLE.

3 THE CONTRACTOR SHALL REWORK (DRY, SCARIFY, ETC.) ALL MATERIAL NOT SUITABLE FOR SUBGRADE IN ITS PRESENT STATE. F THE MATERIAL AFTER REWORKING, REMAINS UNSUITABLE THEM THE CONTRACTOR SHALL UNDERCUT THIS MATERIAL AND REPLACED WITH APPROVED WATERIAL AT HIS EXPENSE. ALL SUBGRADES SHALL BE PROOF ROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PROR TO PAVING. ANY SOFT MATERIAL SHALL BE REWORKED AND REPLACED.

4. THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL DITCHES, PIPES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTL WORK IS ACCEPTABLE BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURES IN OPERABLE CONDITION.

5. ALL DIMENSIONS SHALL BE VERIFIED WITH THE PLANS (LATEST REVISION) PRIOR TO COMMENCING CONSTRUCTION. S ALL DIMENSIONS STALL BE VERIFIED WITTING FAILST NEW SUBJECT TO CONTRICTOR SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHEN WORK IS BEING PERFORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS

6 CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNMENTAL AGENCIES (NOT SUPPLIED BY OWNER)

7. ANY PERMITS WHICH MUST BE OBTAINED SHALL BE THE CONTRACTORS RESPONSIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS (NOT SUPPLIED BY OWNER)

8. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND THE LATEST APPLICABLE CODES AND STANDARDS. 9. THE CONTRACTOR SHALL NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY, OR CITY) ENGINEER 24 HOURS PRIOR TO BEGINNING OF CONSTRUCTION

10. CONTRACTOR RESPONSIBLE FOR CLOSING AND FILING ALL PERMITS ASSOCIATED WITH THE SITE.

11. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE EQUIPMENT AND TOWER AREAS

12 ALL EXISTING AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO MATCH PRECONSTRUCTION CONDITIONS

13 THE CONTRACTOR SHALL CONTACT 'CALL BEFORE YOU DIG" AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITIES COM/VENCING.