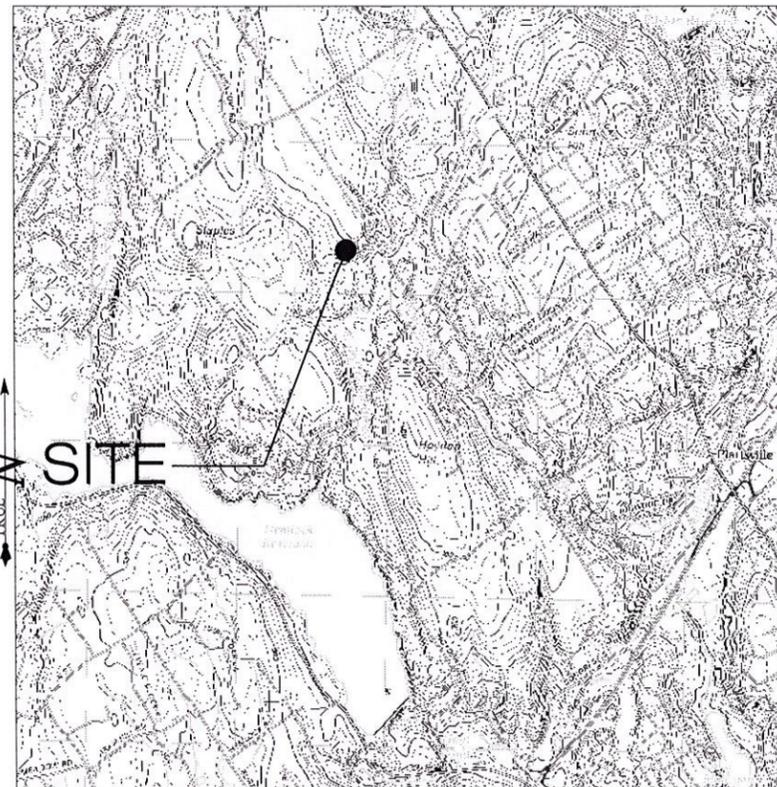


LOCATION MAP



SCALE : NTS SOURCE: GOOGLE MAPS

USGS TOPOGRAPHIC MAP



SCALE : 1" = 2000'± SOURCE: USGS 7.5 QUADRANGLE FOR WESTPORT

Cellco Partnership d/b/a
verizon wireless
 99 EAST RIVER DRIVE
 9TH FLOOR
 EAST HARTFORD, CT 06108

ALL-POINTS
 TECHNOLOGY CORPORATION
 3 SADDLEBROOK DRIVE
 KILLINGWORTH, CT 06419
 WWW.ALLPOINTSTECH.COM
 PHONE: (860)-663-1697
 FAX: (860)-663-0935

CONTACT PERSONNEL

APPLICANTS:
 HOMELAND TOWERS
 9 HARMONY STREET
 2ND FLOOR
 DANBURY, CONNECTICUT 06810

CO-APPLICANTS
 CELLCO PARTNERSHIP D/B/A
 VERIZON WIRELESS
 99 EAST RIVER DRIVE - 9TH FLOOR
 EAST HARTFORD, CT 06108

LANDLORD
 TOWN OF EASTON
 225 CENTER ROAD
 EASTON, CT 06612

HOMELAND PROJECT MANAGER:
 RAYMOND VERGATI
 (203) 297-6345

HOMELAND PROJECT ATTORNEY:
 ROBINSON & COLE, LLP
 280 TRUMBULL STREET
 HARTFORD, CT 06103

POWER PROVIDER:
 UI (203) 499-3333
 CARLTON SUTHERLAND

TELCO PROVIDER:
 FRONTIER (800) 921-8102

CALL BEFORE YOU DIG:
 (800) 922-4455

GOVERNING CODEs:
 STATE OF CONNECTICUT BUILDING CODE, LATEST EDITION
 NATIONAL ELECTRIC CODE, LATEST EDITION
 EIA/IA 222G

SITE INFORMATION

EASTON
515 MOREHOUSE ROAD
EASTON, CT 06612

**DEVELOPMENT & MANAGEMENT PLAN
 DRAWING INDEX**

- | | |
|--|--------------------------------------|
| T-1 TITLE SHEET & INDEX | C-1 VERIZON EQUIPMENT PLAN & DETAILS |
| 1 OF 2 TOPOGRAPHIC SURVEY | C-2 VERIZON ANTENNA PLAN & DETAILS |
| 2 OF 2 TOPOGRAPHIC SURVEY | C-3 SITE DETAILS |
| R-1 ABUTTERS MAP | S-1 STRUCTURAL LAYOUT & DETAILS |
| SP-1 SITE PLAN | N-1 ENVIRONMENTAL NOTES |
| SP-2 COMPOUND PLAN & TOWER ELEVATION | N-2 NOTES & SPECIFICATIONS |
| SP-3 DRIVEWAY PROFILE, CONST. SEQUENCE & DETAILS | |

*SITE INFORMATION:

| | |
|--|--|
| -SITE NAME:..... EASTON | -ZONE:..... R3 |
| -SITE ID NUMBER:..... CT-254 | -LATITUDE - 41° 14' 08.10" N |
| | -LONGITUDE - 73° 17' 07.34" W |
| -SITE ADDRESS:..... 515 MOREHOUSE ROAD EASTON, CT 06612 | -ELEVATION - 440± AMSL |
| | |
| -MAP:..... 3777A, B | -FEMA/FIRM DESIGNATION:..... PANEL#09001C0406F - ZONE X |
| -LOTS:..... 4 | 104.45± Ac |
| | (VOL. 338, PAGE 16 AND VOL. 338, PAGE 23) |

DEVELOPMENT & MANAGEMENT DOCUMENTS

EASTON
515 MOREHOUSE ROAD
EASTON, CT 06612

DESIGN TYPE:
RAW LAND

REVISIONS:
 REV.0: 10/20/17: FOR REVIEW: SMC

REV.1:
 REV.2:
 REV.3:
 REV.4:
 REV.5:

**TITLE SHEET
 & INDEX**

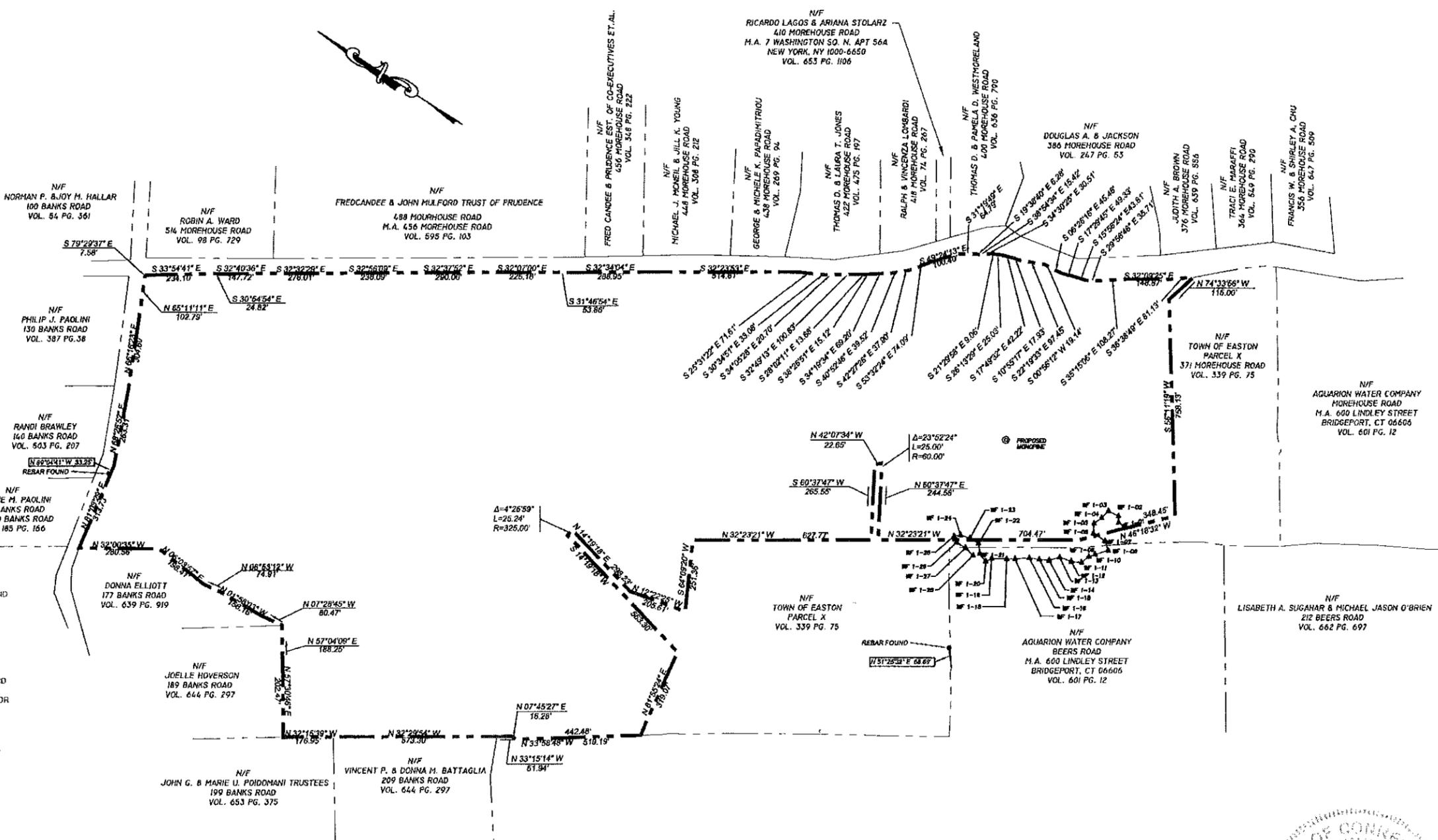
APT FILING NUMBER: CT285190
 APT DRAWING NUMBER: CT-254-T-1
 DRAWN BY: RRB
 CHECKED BY: SMC
 DATE: 10/20/17

SHEET NUMBER

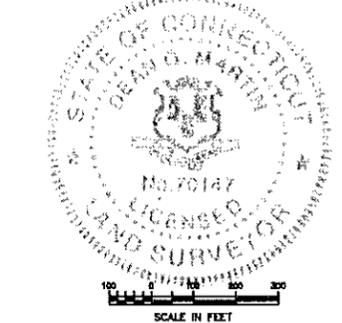
T-1

MAP NOTES

- 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 MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS ON SEPTEMBER 26, 1995
- THE TYPE OF SURVEY PERFORMED AND THE MAPPED FEATURES DEPICTED HEREON ARE IN ACCORDANCE WITH THE REQUIREMENTS OF A TOPOGRAPHIC SURVEY
- THE PROPERTY LINE DEPICTED HEREON WAS PREPARED FROM RECORD RESEARCH, OTHER MAPS, LIMITED FIELD MEASUREMENTS AND OTHER SOURCES IT IS NOT TO BE CONSTRUED AS A PROPERTY BOUNDARY OR LIMITED PROPERTY BOUNDARY SURVEY AND IS SUBJECT TO SUCH FACTS AS SAID SURVEYS MAY DISCLOSE
- THE NORTH ARROW AND BEARINGS ARE BASED UPON THE CONNECTICUT STATE COORDINATE SYSTEM NAD 1983 (CORS 95) THE ELEVATION ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1983 (NGVD 29) AS DETERMINED USING GEOID 12B. COORDINATES AND ELEVATIONS WERE DETERMINED FROM RTK GPS OBSERVATIONS MADE ON APRIL 29, 2015 USING CTDOT ACORN NETWORK (DARIEN BASE) HAVING THE FOLLOWING VALUES
 LATITUDE = 41°03'57.06988" N
 LONGITUDE = 73°30'25.94233" W
 ELLIPSOID HEIGHT = -13.786
- THE HORIZONTAL BASELINE CONFORMS TO A CLASS A-2 ACCURACY THE VERTICAL BASELINE CONFORMS TO A CLASS V-2 ACCURACY THE TOPOGRAPHIC FEATURES CONFORM TO A CLASS T-2 ACCURACY
- MAP REFERENCES
 - "SUBDIVISION MAP FAIRHAVEN ESTATES FOR PROPERTY ON BANKS ROAD & MOREHOUSE ROAD EASTON, CONNECTICUT PREPARED FOR FAIRFIELD INVESTORS" SHEETS 182 OF 2, SCALE 1"=100', DATED APRIL 7, 2000 AND REVISED JANUARY 15, 2001, BY SPATH+BORKLUND ASSOCIATES, INC.
 - "PERIMETER SURVEY FOR FAIRFIELD INVESTORS EASTON, CONN." SHEET 182 OF 2, SCALE 1"=100', DATED SEPTEMBER 28, 1999 AND REVISED FEBRUARY 21, 2001
 - "MAP OF SURVEY OF PROPERTY IN EASTON, CONNECTICUT ARTHUR L. CLARK" SCALE 1"=160', DATED JULY 16, 1951, BY GREGORY H. PIDLUSKI
 - "PROPERTY LINE REVISION MAP #212 & #224 BEERS ROAD EASTON, CONNECTICUT, PREPARED FOR KURT & EDITH HERSHER" SCALE 1"=100', DATED DECEMBER 30, 1988, BY JASON SPATH, SR
 - "RESUBDIVISION FOR PHILIP S. & CAROLYN L. BATTAGLIA EASTON CONN." SCALE 1"=100', DATED JUNE 8, 1984 AND REVISED AUGUST 30, 1984, BY THE HUNTINGTON COMPANY
 - "MAP OF PROPERTY PREPARED FOR EDWIN V. GRECIOS & JACQUELINE S. GRECIOS EASTON, CONNECTICUT" SCALE 1"=40', DATED OCTOBER 29, 1973, BY CLEMENT J. ARCAMONE
- PORTION OF PARCEL LIES WITHIN FLOOD ZONE A AND AS DETERMINED ON THE FLOOD INSURANCE RATE MAP, FAIRFIELD COUNTY, CONNECTICUT, PANEL 406 OF 6626, COMMUNITY PANEL NUMBER 09001CB406F, EFFECTIVE DATE JUNE 18, 2010
- PARCEL IS SUBJECT TO THE FOLLOWING
 - CONSERVATION EASEMENT AS RECORDED APRIL 5, 2001 IN VOLUME 338 OF THE TOWN OF EASTON LAND RECORDS
 - GREENBELT PRESERVATION EASEMENT RECORDED APRIL 9, 2001 IN VOLUME 338 PAGE 23 OF THE TOWN OF EASTON LAND RECORDS
 - NOTICES OF RECORD AS RECORDED SEPTEMBER 20, 2005 IN VOLUME 560 PAGE 82, JANUARY 16, 2007 IN VOLUME 597 PAGE 292 & 294, AND OCTOBER 28, 2008 IN VOLUME 628 PAGE 495 OF THE TOWN OF EASTON LAND RECORDS
- PARCEL OWNER OF RECORD TOWN OF EASTON
225 CENTER ROAD
EASTON, CONNECTICUT
- PARCEL ID MAP3777A & 3777B, LOT 4 EASTON ASSESSORS OFFICE
- DEED REFERENCES VOLUME 338 PAGE 16 AND VOLUME 338 PAGE 23
- PARCEL AREA = 4,482,951.35 S.F.
104,455 ACRES



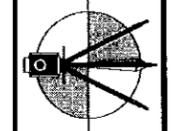
- LEGEND
- Iron Pin (Found)
 - Monument (Found)
 - ▲ Sign
 - Manhole
 - "C" Catch Basin
 - "C-L" Catch Basin
 - Metal/Wood Post
 - ▲ Guy Anchor
 - Deciduous Trees
 - ★ Evergreen Trees
 - Utility Pole
 - Mail Box
 - Underground Piping (San., Stm.)
 - U/G Gas Line
 - U/G Elec. Line
 - Water Line
 - Overhead Utilities
 - U/G Tele. Line
 - Chain Link Fence
 - Tree Line
 - Stone Wall



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

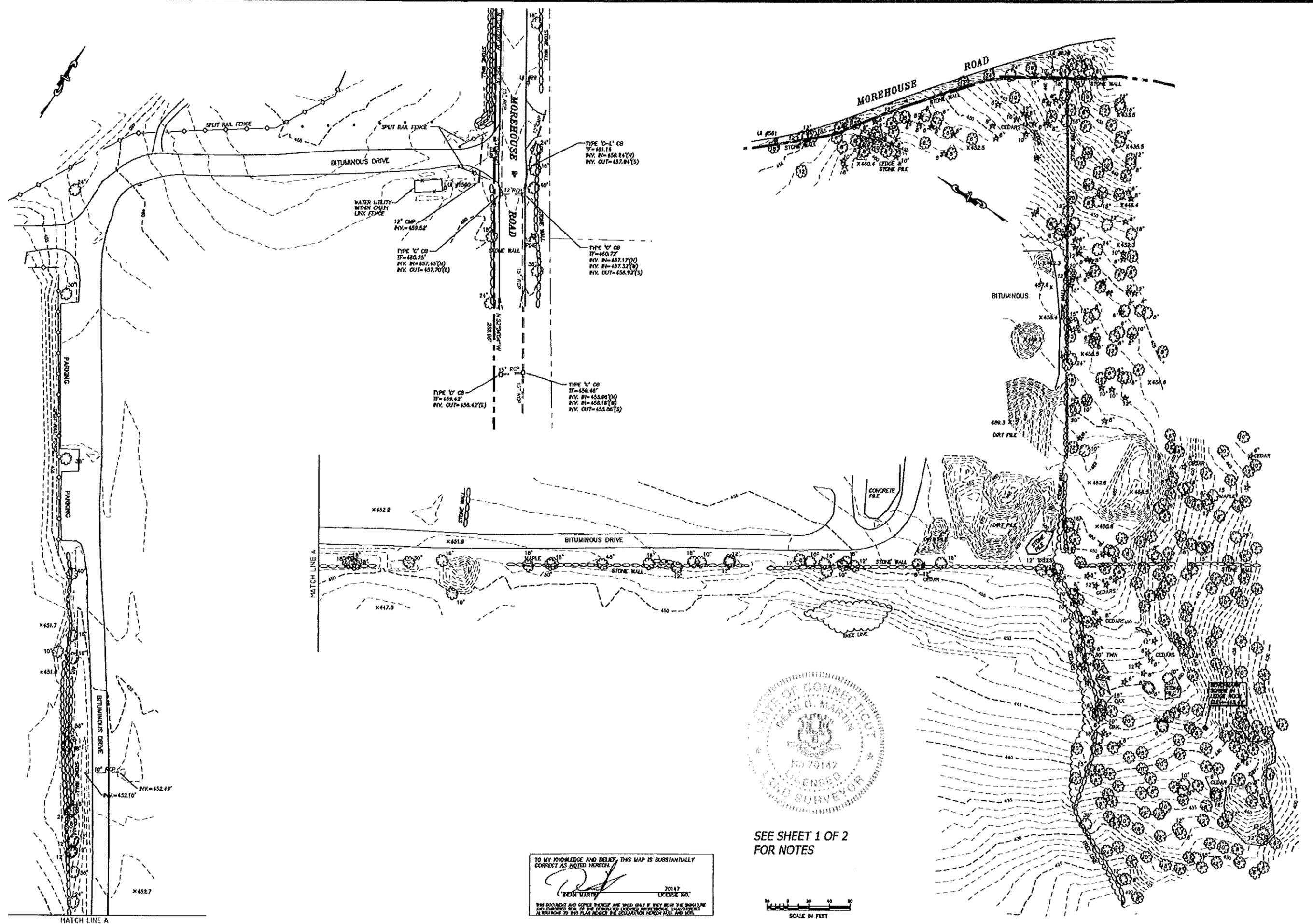
DEAN MARTIN 70147
LICENSE NO.

MARTIN SURVEYING ASSOCIATES, LLC
148 HIGH ROAD, WASHINGTON, CT 06097
860-432-8328
MSI-SURVEY.COM



TOPOGRAPHIC SURVEY
ON PORTION OF PROPERTY OF
THE TOWN OF EASTON
515 MOREHOUSE ROAD
EASTON, CONNECTICUT

DATE: 5/1/2015
SCALE: 1"=200'
SHEET: 1 OF 2
DWG NO: 15-014



MATCH LINE A

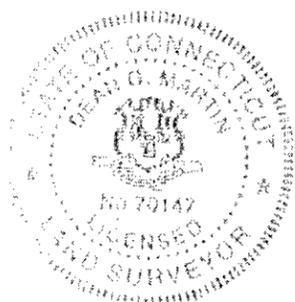
MATCH LINE A

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

[Signature]

70147
 DEAN MARTIN
 LICENSE NO.

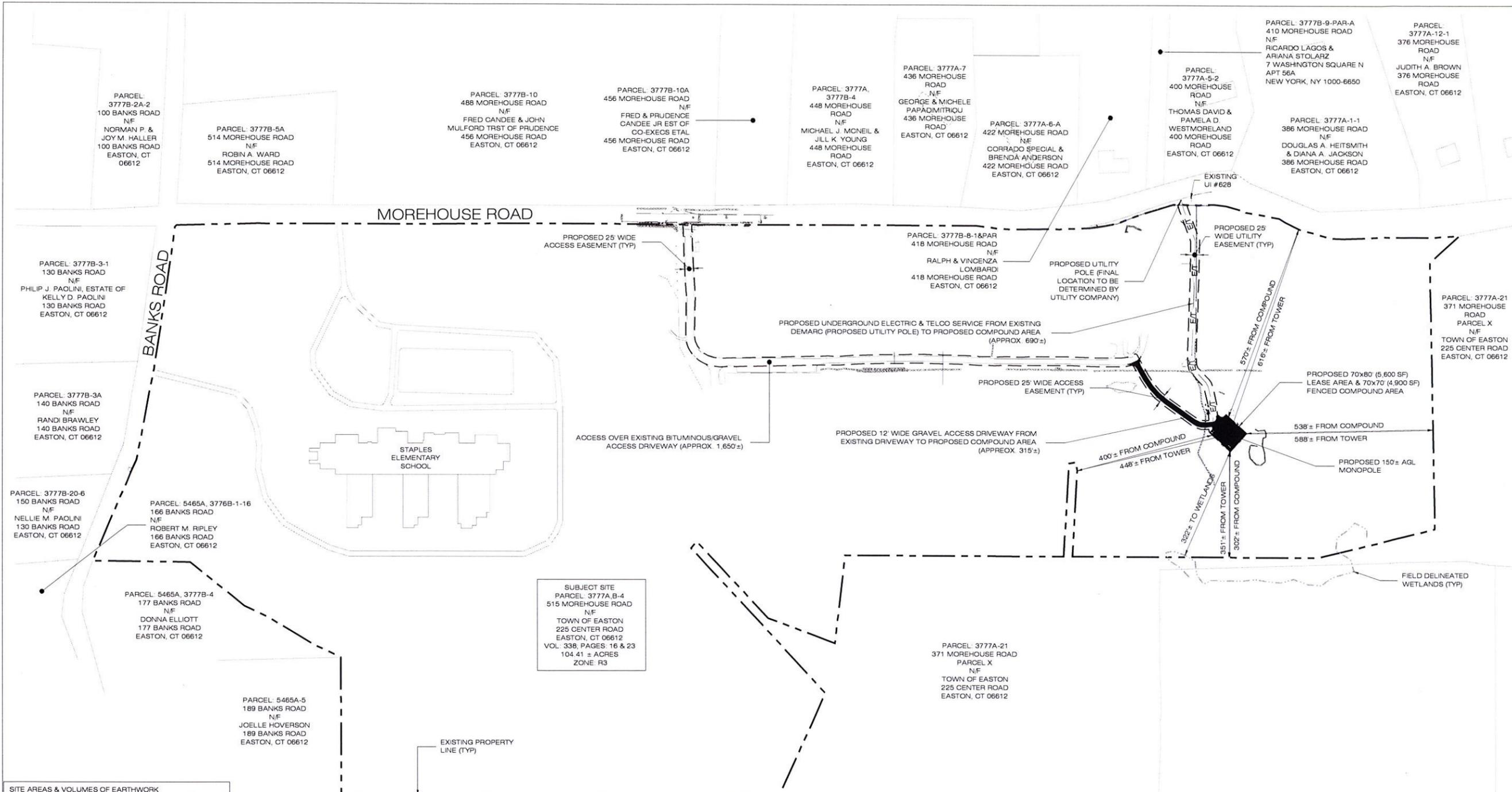
THIS DOCUMENT AND COPIES THEREOF ARE VALID ONLY IF THEY BEAR THE SIGNATURE AND LICENSE NO. OF THE LICENSED PROFESSIONAL LAND SURVEYOR AS NOTED ABOVE. ALL RIGHTS TO THIS PLAN UNDER THE OCCUPATION HAZARD HILL AND SOIL.



SEE SHEET 1 OF 2 FOR NOTES



| | | |
|---|--|---|
| DATE: 5/1/2015 | | MARTIN SURVEYING ASSOCIATES, LLC. 148 HIGH ROAD, KENSINGTON, CT 06027 860-522-0729 MSJ-SURVEY.COM |
| SCALE: 1"=20' | | |
| SHEET: 2 OF 2 | | |
| DWG NO: 14-011 | | |
| TOPOGRAPHIC SURVEY OF ON PORTION OF PROPERTY OF THE TOWN OF EASTON 515 MOREHOUSE ROAD EASTON CONNECTICUT | | |
| X:\MSA\PROJECTS\2015\15-014 Easton\15-014 515 Morehouse Road Easton CT.dwg.dwg TOPOGRAPHIC SURVEY, 6/15/2015 11:44:38 AM RICH Allco MP C2500 PCL 6 | | |



SUBJECT SITE
 PARCEL 3777A-B-4
 515 MOREHOUSE ROAD
 N/F
 TOWN OF EASTON
 225 CENTER ROAD
 EASTON, CT 06612
 VOL. 338, PAGES 16 & 23
 104.41 ± ACRES
 ZONE R3

SITE AREAS & VOLUMES OF EARTHWORK

SITINGWORK ENTAILS APPROXIMATELY 310 CY OF CUT. THE COMPOUND AND ROADWAY WILL IMPORT APPROXIMATELY 180 CUBIC YARDS OF CLEAN BROKEN STONE. THE UTILITY TRENCH FROM THE DEMARC TO THE COMPOUND WILL EXCAVATE APPROXIMATELY 270 CUBIC YARDS OF MATERIAL THAT WILL BE USED TO BACKFILL THE TRENCH.

COMPOUND AREA SLOPES:
 EXISTING - 14%
 PROPOSED - 2.5%

TOTAL AREA OF DISTURBANCE = 16,000 ± SF

STORMWATER VELOCITY:
 PRIOR TO GROUND COVER < 3.0 FT/SEC
 FOLLOWING GROUND COVER < 3.0 FT/SEC

STORMWATER VOLUME:
 PROPOSED IMPERVIOUS AREA = 9,648 SF
 WATER QUALITY STD VOLUME (1") = 804 CF
 STORAGE VOLUME (6" DEPTH, 40% VOIDS) = 980 CF

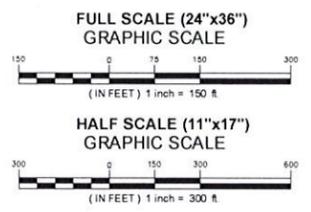
GROUND COVER TO BE ESTABLISHED AS FOLLOWS (U.O.N.)
 - WHITE CLOVER @ 0.20#/- SF
 - TALL FESCUE @ 0.45#/- SF
 - RYEGRASS @ 0.10#/- SF

PARCEL 5465A, 5464A-36
 199 BANKS ROAD
 N/F
 JOHN G. & MARIE U. POIDOMANI
 TRUSTEES
 POIDOMANI LIVING TRUST
 199 BANKS ROAD
 EASTON, CT 06612

PARCEL 5464A-13-3
 209 BANKS ROAD
 N/F
 VINCENT P. & DONNA M. BATTAGLIA
 209 BANKS ROAD
 EASTON, CT 06612

PARCEL 5472A-3
 BEERS ROAD
 N/F
 AQUARIUM WATER CO. OF CT
 600 LINDLEY STREET
 BRIDGEPORT, CT 06606

ABUTTERS MAP
 SCALE: 1" = 150'-0"



- BASE MAPPING FOR SHEETS A-1, SP-1 AND SP-2 FROM:
1. PLAN ENTITLED "TOPOGRAPHIC SURVEY ON PORTION OF PROPERTY OF THE TOWN OF EASTON 515 MOREHOUSE ROAD EASTON, CONNECTICUT" PREPARED BY MARTIN SURVEYING ASSOCIATES, LLC 148 HIGH ROAD, KENSINGTON DATED MAY 1, 2015
 2. TOWN OF EASTON ASSESSORS MAPS 3776B, 3777A, 3777B, 5464A, 5465A, & 5472A.
 3. TOWN OF EASTON "ZONING MAP"
 4. DIGITAL GLOBAL 2012 DIGITAL ORTHOPHOGRAPHS

HOMELAND TOWERS
 9 HARMONY STREET
 2ND FLOOR
 DANBURY, CT 06810

ALL-POINTS TECHNOLOGY CORPORATION
 3 SADDLEBROOK DRIVE
 KILLINGWORTH, CT 06419
 PHONE: (860)-663-1687
 FAX: (860)-663-0935
 WWW.ALLPOINTSTECH.COM

PERMITTING DOCUMENTS

| NO | DATE | REVISION |
|----|----------|----------------|
| 0 | 10/20/17 | FOR REVIEW-RCB |
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |

DESIGN PROFESSIONALS OF RECORD

PROF. SCOTT M. CHASSE P.E.
 COMP: ALL-POINTS TECHNOLOGY CORPORATION
 ADD: 3 SADDLEBROOK DRIVE
 KILLINGWORTH, CT 06419

OWNER: TOWN OF EASTON
 ADDRESS: 225 CENTER ROAD
 EASTON, CT 06612

HOMELAND TOWERS "EASTON CT254"

SITE: 515 MOREHOUSE ROAD
 ADDRESS: EASTON, CT 06612

APT FILING NUMBER: CT283190

DATE: 10/20/17
 DRAWN BY: RCB
 CHECKED BY: SMC



HOMELAND TOWERS
 9 HARMONY STREET
 2ND FLOOR
 DANBURY, CT 06810

ALL-POINTS TECHNOLOGY CORPORATION
 3 SADDLEBROOK DRIVE PHONE: (860) 663-1697
 KILLINGWORTH, CT 06419 FAX: (860) 663-0935
 WWW.ALLPOINTSTECH.COM

| PERMITTING DOCUMENTS | | |
|----------------------|----------|-----------------|
| NO | DATE | REVISION |
| 0 | 10/20/17 | FOR REVIEW: RCB |
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |

DESIGN PROFESSIONALS OF RECORD
 PROF: SCOTT M. CHASSE P.E.
 COMP: ALL-POINTS TECHNOLOGY CORPORATION
 ADD: 3 SADDLEBROOK DRIVE
 KILLINGWORTH, CT 06419

OWNER: TOWN OF EASTON
 ADDRESS: 225 CENTER ROAD
 EASTON, CT 06612

HOMELAND TOWERS "EASTON CT254"
 SITE: 515 MOREHOUSE ROAD
 ADDRESS: EASTON, CT 06612
 APT FILING NUMBER: CT283190

DRAWN BY: RCB
CHECKED BY: SMC
 DATE: 10/20/17

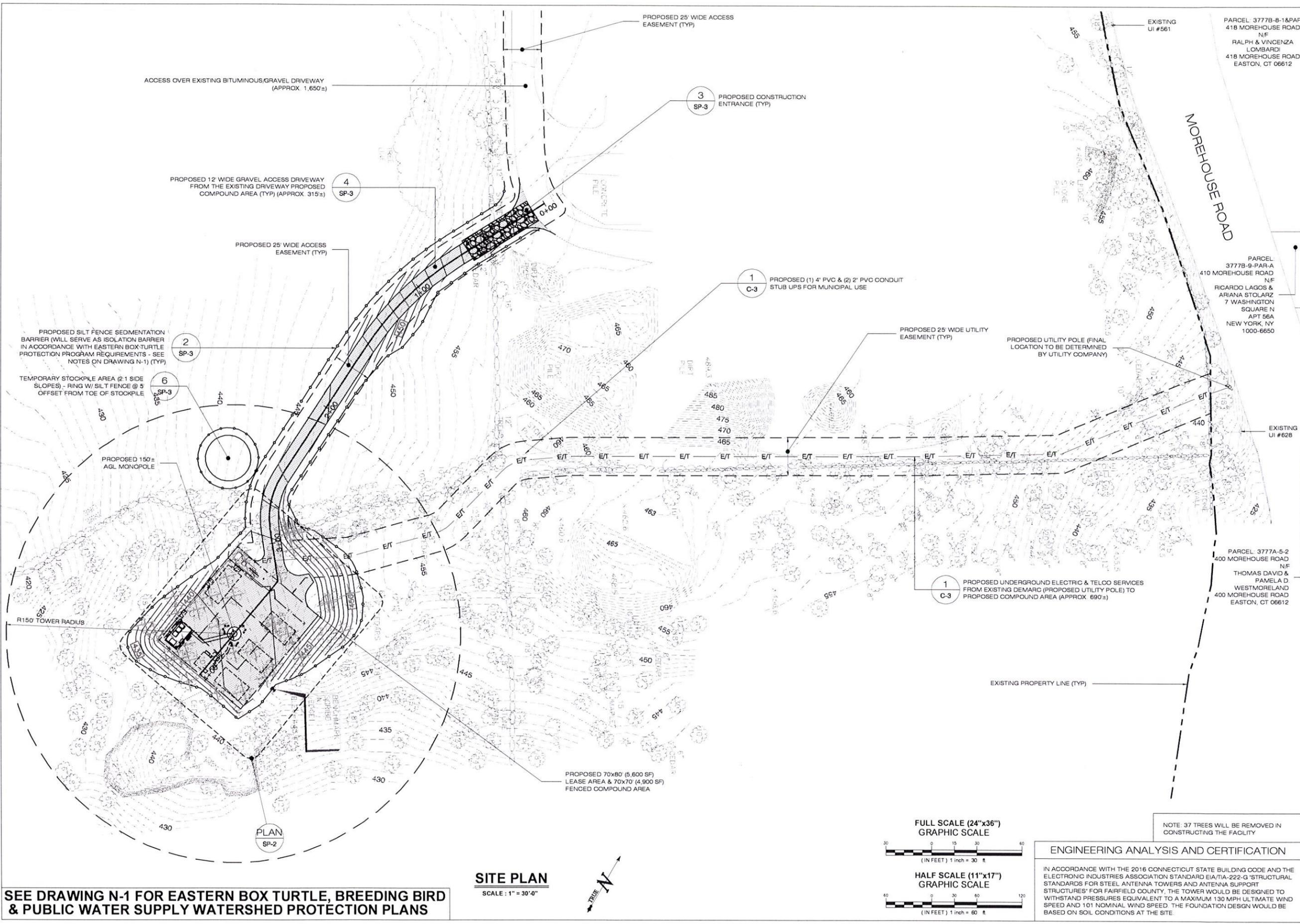
SHEET TITLE: SITE PLAN
SHEET NUMBER: SP-1



PARCEL 3777B-8-1&PAR
 418 MOREHOUSE ROAD
 N/F
 RALPH & VINCENZA
 LOMBARD
 418 MOREHOUSE ROAD
 EASTON, CT 06612

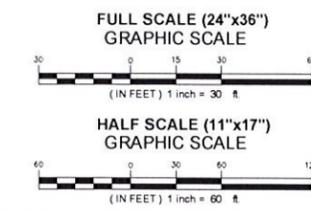
PARCEL 3777B-9-PAR-A
 410 MOREHOUSE ROAD
 N/F
 RICARDO LAGOS &
 ARIANA STOLARZ
 7 WASHINGTON
 SQUARE N
 APT 56A
 NEW YORK, NY
 1000-6650

PARCEL 3777A-5-2
 400 MOREHOUSE ROAD
 N/F
 THOMAS DAVID &
 PAMELA D
 WESTMORELAND
 400 MOREHOUSE ROAD
 EASTON, CT 06612



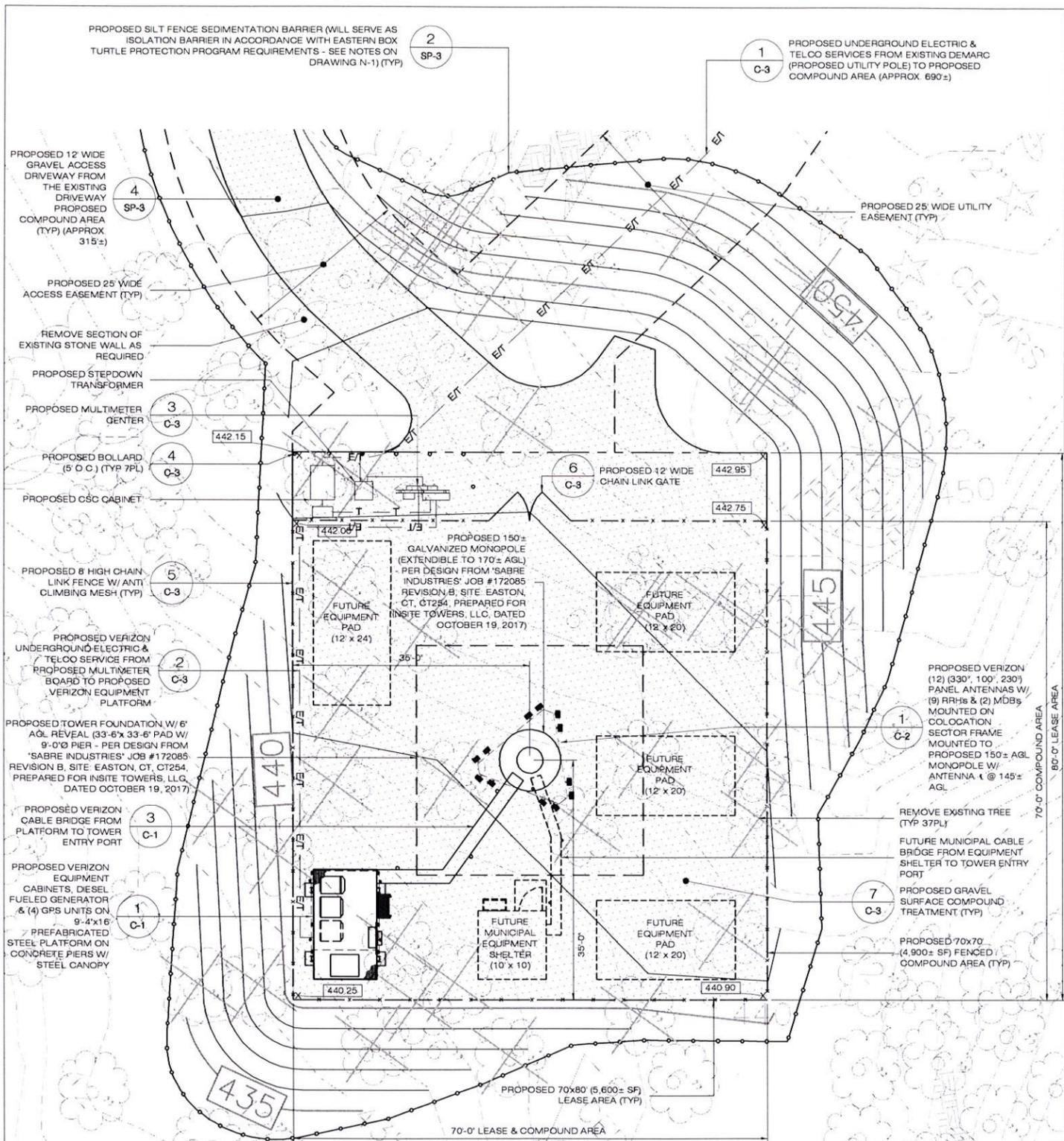
SEE DRAWING N-1 FOR EASTERN BOX TURTLE, BREEDING BIRD & PUBLIC WATER SUPPLY WATERSHED PROTECTION PLANS

SITE PLAN
 SCALE: 1" = 30'-0"

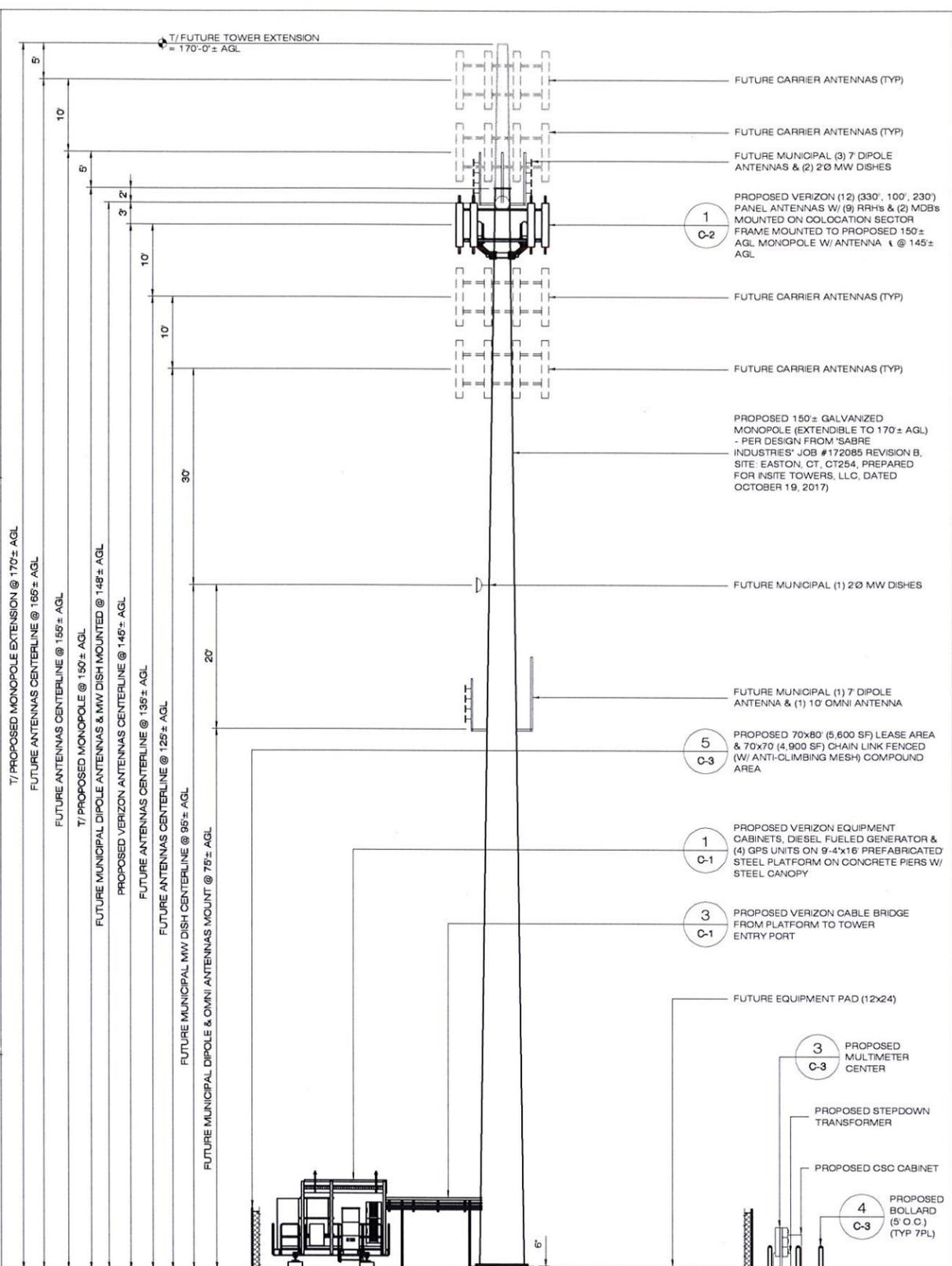
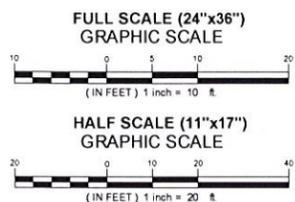


ENGINEERING ANALYSIS AND CERTIFICATION
 IN ACCORDANCE WITH THE 2016 CONNECTICUT STATE BUILDING CODE AND THE ELECTRONIC INDUSTRIES ASSOCIATION STANDARD EIA/IA-222-G 'STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORT STRUCTURES' FOR FAIRFIELD COUNTY, THE TOWER WOULD BE DESIGNED TO WITHSTAND PRESSURES EQUIVALENT TO A MAXIMUM 130 MPH ULTIMATE WIND SPEED AND 101 NOMINAL WIND SPEED. THE FOUNDATION DESIGN WOULD BE BASED ON SOIL CONDITIONS AT THE SITE.

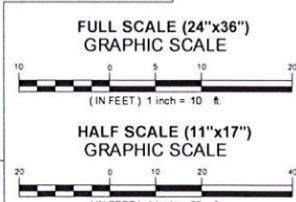
NOTE: 37 TREES WILL BE REMOVED IN CONSTRUCTING THE FACILITY



COMPOUND PLAN
SCALE: 1" = 10'-0"



EASTERN ELEVATION
SCALE: 1" = 10'-0"



SEE DRAWING N-1 FOR EASTERN BOX TURTLE, BREEDING BIRD & PUBLIC WATER SUPPLY WATERSHED PROTECTION PLANS

HOMELAND TOWERS
9 HARMONY STREET
2ND FLOOR
DANBURY, CT 06810

ALL-POINTS TECHNOLOGY CORPORATION
3 SADDLEBROOK DRIVE PHONE (860)-663-1697
KILLINGWORTH, CT 06419 FAX (860)-663-0935
WWW.ALLPOINTS-TECH.COM

| PERMITTING DOCUMENTS | |
|----------------------|--------------------------|
| NO | DATE REVISION |
| 0 | 10/20/17 FOR REVIEW: RCB |
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| 2 | |
| 3 | |
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| 5 | |
| 6 | |

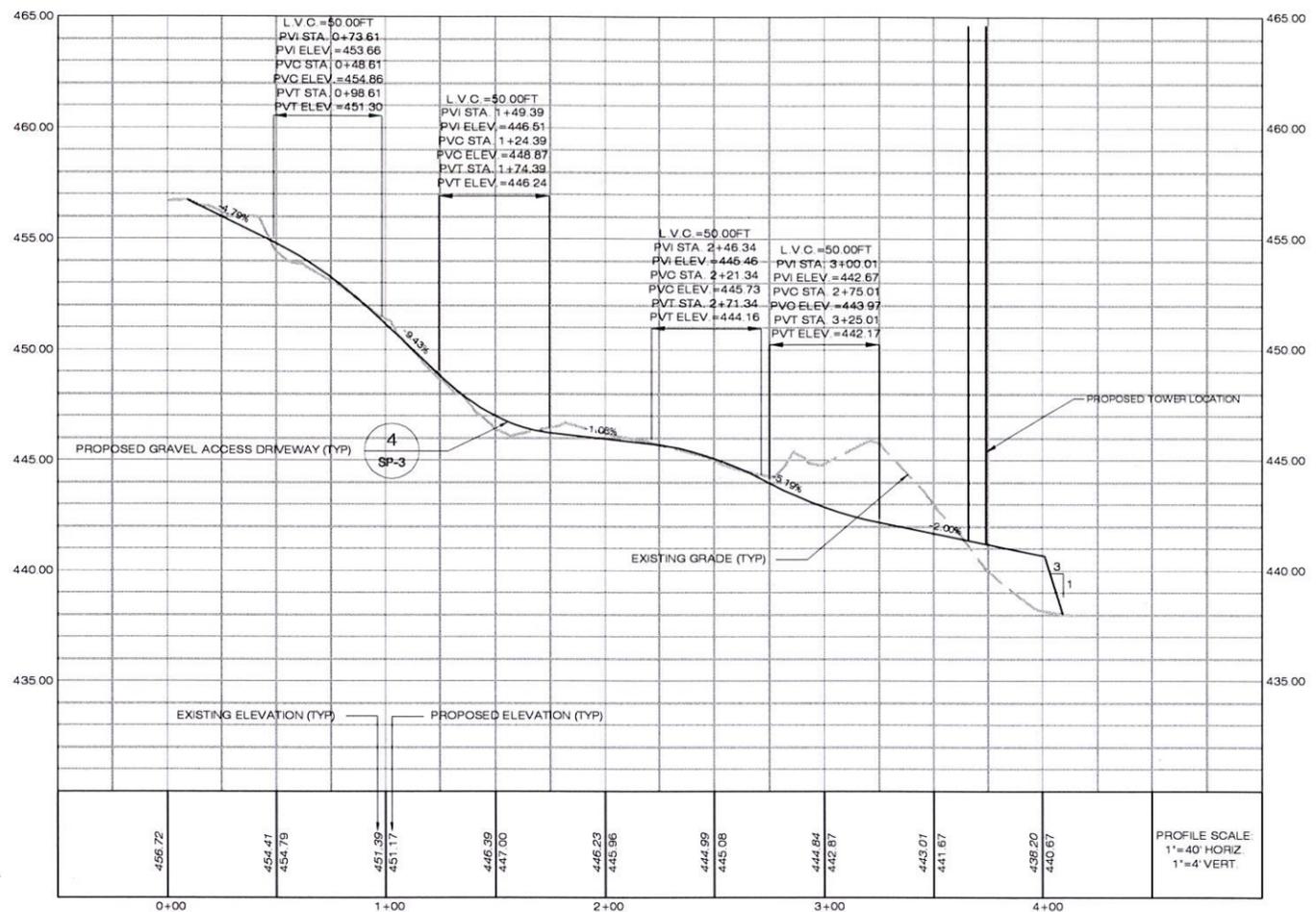
| DESIGN PROFESSIONALS OF RECORD | |
|---|--|
| PROF: SCOTT M. CHASSE P.E. | |
| COMP: ALL-POINTS TECHNOLOGY CORPORATION | |
| ADD: 3 SADDLEBROOK DRIVE KILLINGWORTH, CT 06419 | |
| OWNER: TOWN OF EASTON | |
| ADDRESS: 225 CENTER ROAD EASTON, CT 06612 | |

HOMELAND TOWERS "EASTON CT254"
SITE 515 MOREHOUSE ROAD
ADDRESS: EASTON, CT 06612
APT FILING NUMBER: CT283190
DRAWN BY: RCB
DATE: 10/20/17 CHECKED BY: SMC

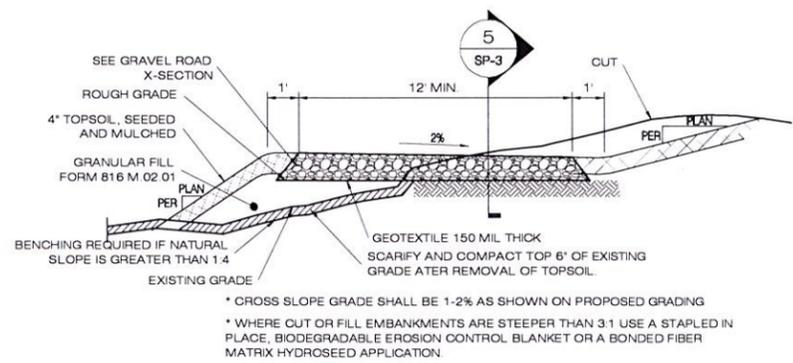
HOMELAND TOWERS "EASTON CT254"
SITE 515 MOREHOUSE ROAD
ADDRESS: EASTON, CT 06612
APT FILING NUMBER: CT283190
DRAWN BY: RCB
DATE: 10/20/17 CHECKED BY: SMC

HOMELAND TOWERS "EASTON CT254"
SITE 515 MOREHOUSE ROAD
ADDRESS: EASTON, CT 06612
APT FILING NUMBER: CT283190
DRAWN BY: RCB
DATE: 10/20/17 CHECKED BY: SMC

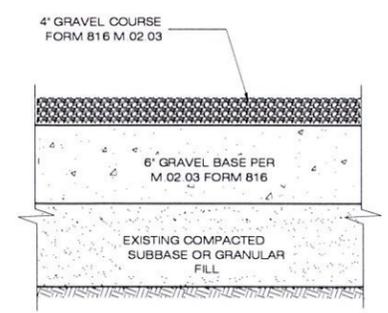
SHEET TITLE: **COMPOUND PLAN & TOWER ELEVATION**
SHEET NUMBER: **SP-2**
Professional Engineer Seal for Scott M. Chasse, No. 19726, State of Connecticut.



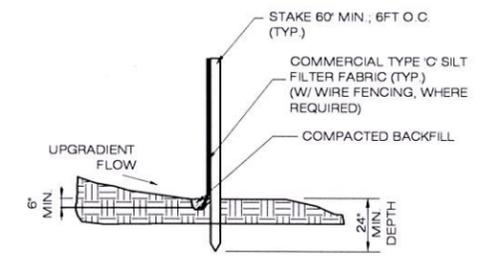
1 PROPOSED GRAVEL ACCESS DRIVEWAY PROFILE
 SCALE: 1" = 40'-0" HORIZONTAL
 1" = 4'-0" VERTICAL



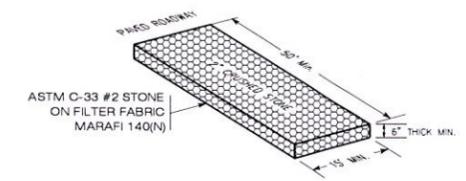
4 TYPICAL ROAD CROSS SECTION
 SCALE: NTS



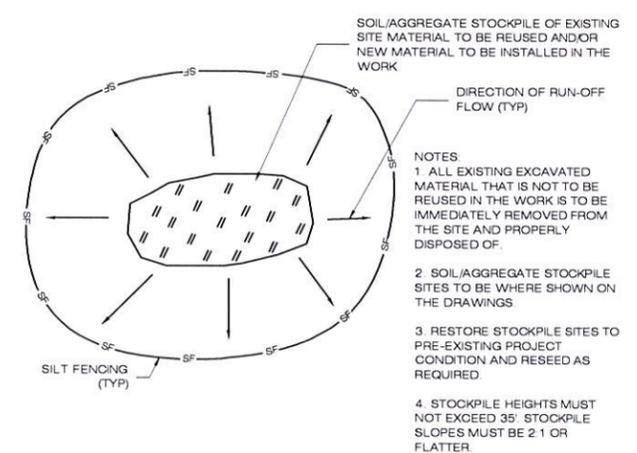
5 GRAVEL ROAD SECTION
 SCALE: NTS



2 GEOTEXTILE SILT FENCE DETAIL
 SCALE: NTS



3 (CE) CONSTRUCTION ENTRANCE DETAIL
 SCALE: NTS



6 TEMPORARY STOCKPILE DETAIL
 SCALE: N.T.S.

CONSTRUCTION SEQUENCING

- CONTRACTOR TO FOLLOW THE FOLLOWING CONSTRUCTION PHASING AS CLOSELY AS POSSIBLE:
- MOBILIZATION: BRING MATERIAL AND EQUIPMENT TO SITE. ALL CONSTRUCTION TRAFFIC AND ACTIVITIES MUST RESIDE INSIDE 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. HOURS OF CONSTRUCTION ARE 8 AM - 6 PM, MONDAY - SATURDAY.
 - THE CONTRACTOR SHALL HOST AND ATTEND AN ENVIRONMENTAL EDUCATION SESSION AT THE PRE-CONSTRUCTION MEETING (SEE NOTES ON DRAWING N-1).
 - INSTALL TEMPORARY EROSION AND SEDIMENTATION CONTROL AND ISOLATION BARRIERS.
 - INSTALL CONSTRUCTION ENTRANCE.
 - CLEAR AND ROUGH GRADE ACCESS ROAD TO THE NEW EQUIPMENT COMPOUND.
 - CONSTRUCT NEW UTILITY TRENCH & SET CONDUITS & BACKFILL.
 - ROUGH GRADE COMPOUND AREA.
 - EXCAVATE FOR TOWER FOUNDATION, EQUIPMENT PLATFORM PIERS, AND EQUIPMENT SHELTER FOUNDATION AS REQUIRED.
 - FINALIZE ACCESS ROAD GRADES AND INSTALL WEARING COURSE.
 - PREPARE SUBGRADE AND INSTALL FORMS, STEEL REINFORCING, AND CONCRETE FOR TOWER FOUNDATION, EQUIPMENT PLATFORM PIERS, & EQUIPMENT SHELTER FOUNDATION AS REQUIRED.
 - INSTALL BURIED GROUND RINGS, GROUND RODS, GROUND LEADS, UTILITY CONDUITS, AND UTILITY EQUIPMENT.
 - BACKFILL TOWER FOUNDATION, EQUIPMENT PLATFORM PIERS & EQUIPMENT SHELTER FOUNDATION.
 - ERECT MONOPOLE.
 - INSTALL TELECOMMUNICATIONS EQUIPMENT ON TOWER AND IN COMPOUND.
 - INSTALL COMPOUND GRAVEL SURFACES.
 - INSTALL FENCING.
 - CONNECT GROUNDING LEADS AND LIGHTENING PROTECTION.
 - FINAL GRADE AROUND COMPOUND.
 - LOAM AND SEED DISTURBED AREAS OUTSIDE COMPOUND, AS REQUIRED.
 - REMOVE TEMPORARY EROSION & SEDIMENTATION CONTROL BARRIER AFTER SEEDED AREAS HAVE ESTABLISHED VEGETATION.
 - FINAL CLEANUP AND EQUIPMENT TESTING.
- THE ESTIMATED TIME FOR COMPLETION OF THE WORK IS APPROXIMATELY SIX (6) WEEKS. THE EXACT PROCESS MAY VARY DEPENDING ON THE CONTRACTORS' AND SUBCONTRACTORS' AVAILABILITY TO COMPLETE WORK AND WEATHER DELAYS.

HOMELAND TOWERS
 9 HARMONY STREET
 2ND FLOOR
 DANBURY, CT 06810

ALL-POINTS TECHNOLOGY CORPORATION
 3 SADDLEBROOK DRIVE PHONE: (860)-663-1697
 KILLINGWORTH, CT 06419 FAX: (860)-663-0935
 WWW.ALLPOINTS TECH.COM

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DESIGN PROFESSIONALS OF RECORD

PROF: SCOTT M. CHASSE P.E.
 COMP: ALL-POINTS TECHNOLOGY CORPORATION
 ADD: 3 SADDLEBROOK DRIVE KILLINGWORTH, CT 06419

OWNER: TOWN OF EASTON
 ADDRESS: 225 CENTER ROAD EASTON, CT 06612

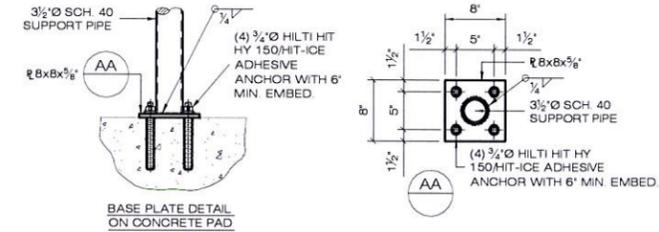
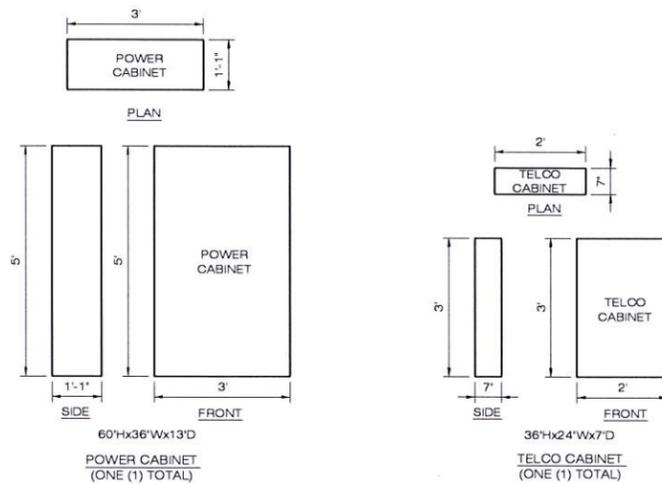
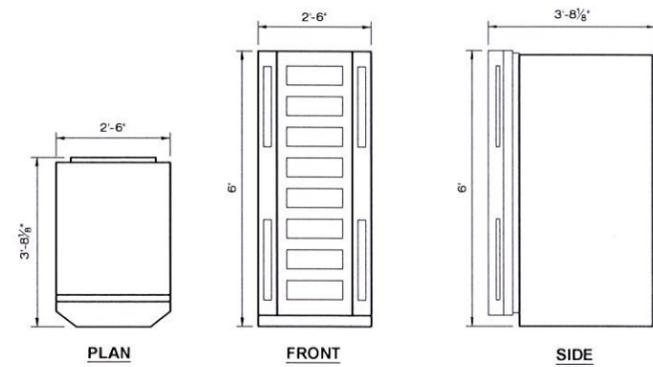
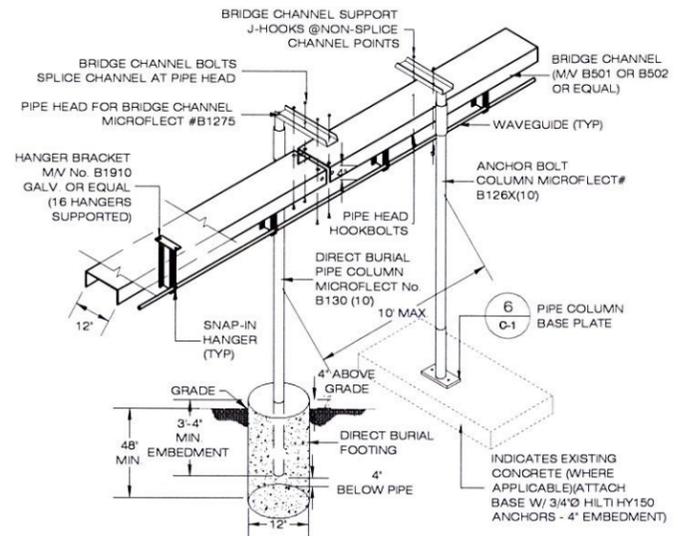
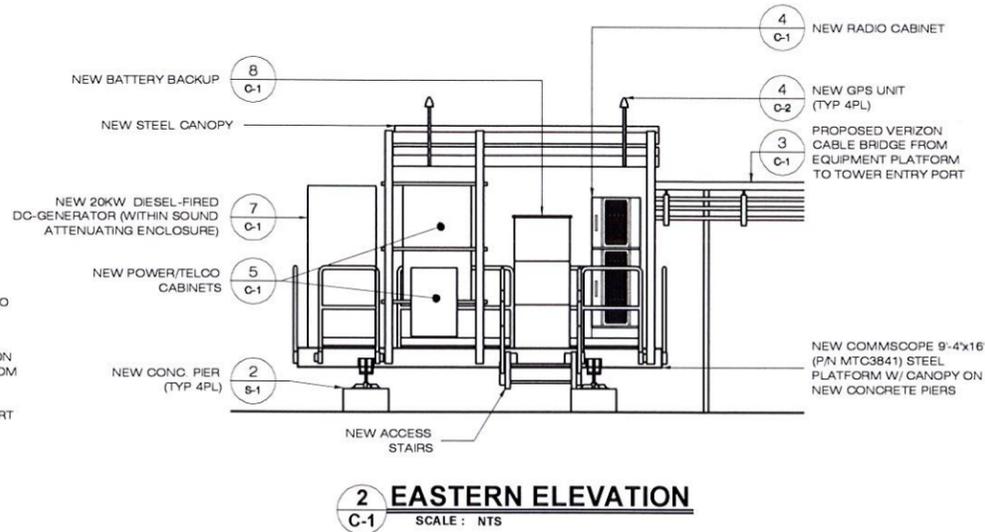
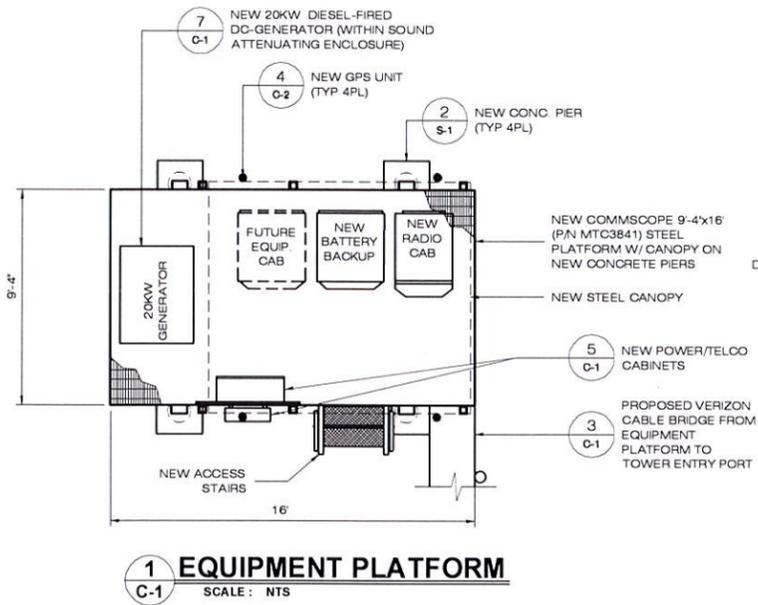
HOMELAND TOWERS "EASTON CT254"

SITE: 515 MOREHOUSE ROAD
 ADDRESS: EASTON, CT 06612

APT FILING NUMBER: CT283190

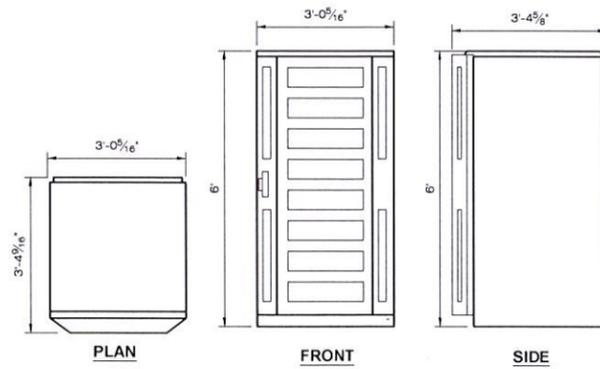
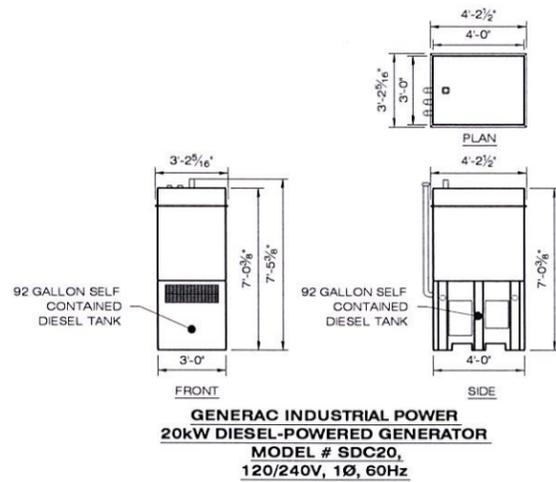
DATE: 10/20/17
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 CHECKED BY: SMC

STATE OF CONNECTICUT
 REGISTERED PROFESSIONAL ENGINEER
 SHEET TITLE: DRIVEWAY PROFILE CONSTRUCTION & DETAILS
 SHEET NUMBER: SP-3



4 COMMSCOPE RBA72-30 (C-RAN) CABINET
SCALE: 1/2" = 1'-0"

5 POWER & TELCO CABINETS
SCALE: N.T.S.



7 DIESEL GENERATOR SCHEMATICS
SCALE: 1/4" = 1'-0"

8 COMMSCOPE RBA72-36 BATTERY CABINET
SCALE: 1/2" = 1'-0"

DESIGN BASIS:
GOVERNING CODE:
2012 IBC AS AMENDED BY THE 2016 CONNECTICUT STATE BUILDING CODE

DESIGN CRITERIA:

• STRUCTURAL OCCUPANCY/ RISK CATEGORY = II (2015 IBC Table 1604.5)

WIND LOAD:

• ULTIMATE BASIC WIND SPEED (V_u) = 130 MPH (2016 CSBC APPENDIX N) (3-SECOND GUST)
NOMINAL BASIC WIND SPEED (V_{99}) = 101 MPH (2016 CSBC APPENDIX N) (3-SECOND GUST)

• EXPOSURE CATEGORY = C (2012 IBC, SEC 1609.4.3)
• IMPORTANCE FACTOR, (I_w) = 1.0 (ASCE 7-10 TABLE 1.5-2)

SNOW LOAD:

• GROUND SNOW LOAD (P_g) = 30 PSF (2016 CSBC APPENDIX N)
• ROOF SNOW LOAD (P_f) - PLATFORM = 30 PSF (MIN PER 2016 CSBC ADD 1608.1.1) (ASCE 7-10 EQ. 7.3-1, SEC 7.3.4)

• EXPOSURE FACTOR, (C_e) = 1.0 (ASCE 7-10 TABLE 7-2)
• THERMAL FACTOR, (C_t) - PLATFORM = 1.2 (ASCE 7-10 TABLE 7-3)
• IMPORTANCE FACTOR, (I_s) = 1.0 (ASCE 7-10 TABLE 1.5-2)

DESIGN LIVE LOADS:

• PLATFORM GRATING LIVE LOAD = 40 PSF
• MIN. ROOF LIVE LOAD = 20 PSF (2016 IBC, TABLE 1607.1)

SEISMIC DESIGN PARAMETERS:

• SEISMIC DESIGN CATEGORY = B (ASCE 7-10 TABLE 11.6-1 & 11.6-2)
• MCE SPECTRAL ACC. (S_u) = 0.215 (2016 CSBC APPENDIX N)
• MCE SPECTRAL ACC. (S_d) = 0.066 (2016 CSBC APPENDIX N)
• SITE CLASS = D (ASCE 7-10 TABLE 20.3-1)
• IMPORTANCE FACTOR, (I_p) = 1.5 (ASCE 7-10 TABLE 1.5-2)

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DESIGN PROFESSIONALS OF RECORD
PROF. SCOTT M. CHASSE P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION
ADD: 3 SADDLEBROOK DRIVE
KILLINGWORTH, CT 06419

OWNER: TOWN OF EASTON
ADDRESS: 225 CENTER ROAD
EASTON, CT 06612

HOMELAND TOWERS "EASTON CT254"
SITE: 515 MOREHOUSE ROAD
ADDRESS: EASTON, CT 06612
APT FILING NUMBER: CT283190
DRAWN BY: RCB
DATE: 10/20/17
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SHEET TITLE: VERIZON EQUIPMENT PLAN & DETAILS
SHEET NUMBER: C-1
REGISTERED PROFESSIONAL ENGINEER

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| PROF: | SCOTT M. CHASSE P.E. | |
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| ADD: | 3 SADDLEBROOK DRIVE KILLINGWORTH, CT 06419 | |
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| ADDRESS: | 225 CENTER ROAD EASTON, CT 06612 | |

HOMELAND TOWERS "EASTON CT254"

SITE: 515 MOREHOUSE ROAD
 ADDRESS: EASTON, CT 06612

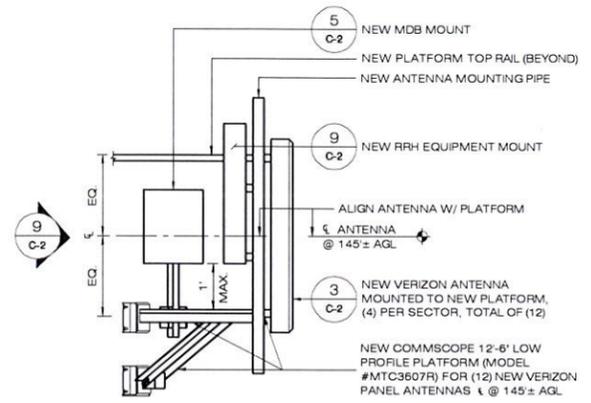
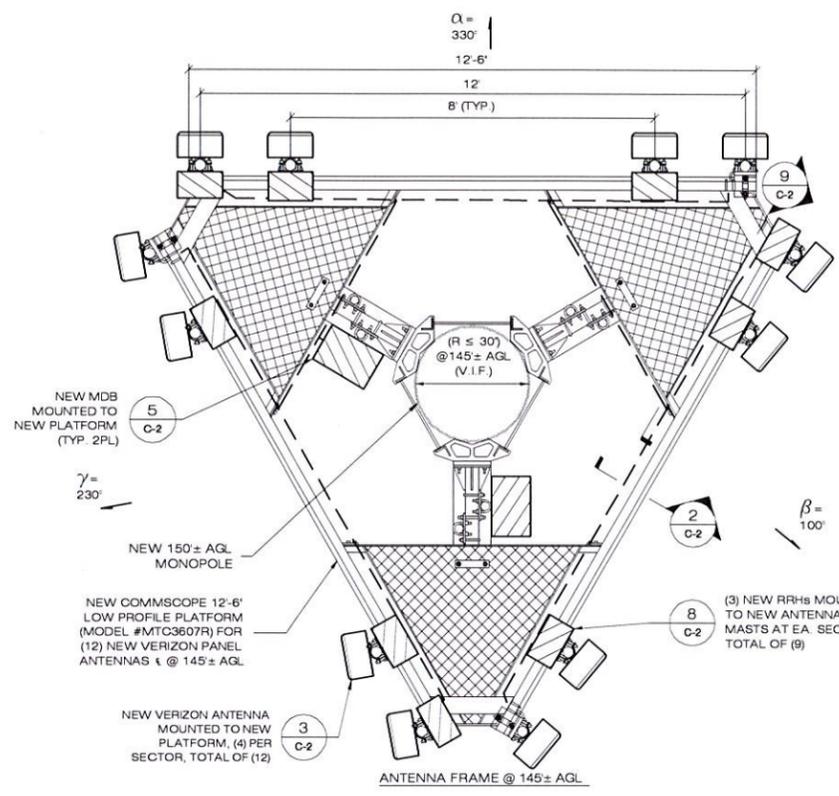
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DATE: 10/20/17

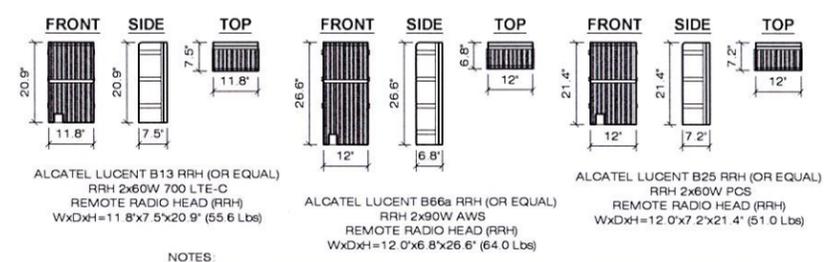
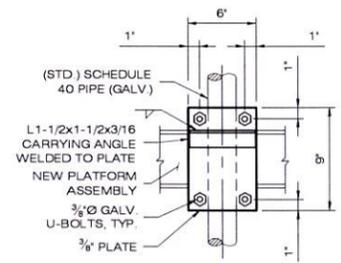
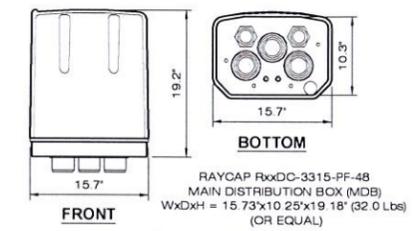
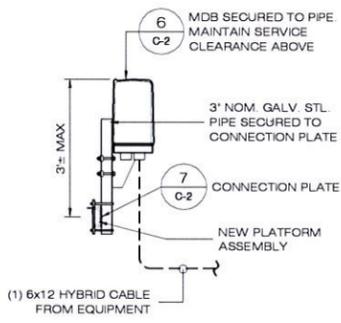
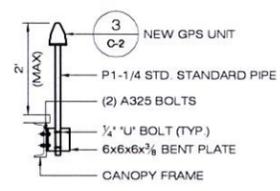
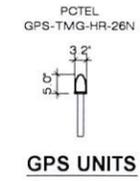
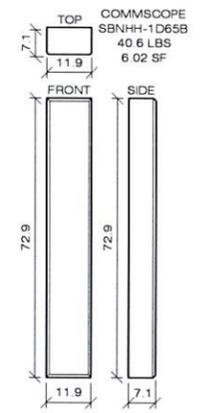
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SHEET TITLE: VERIZON ANTENNA PLAN & DETAILS

SHEET NUMBER: C-2

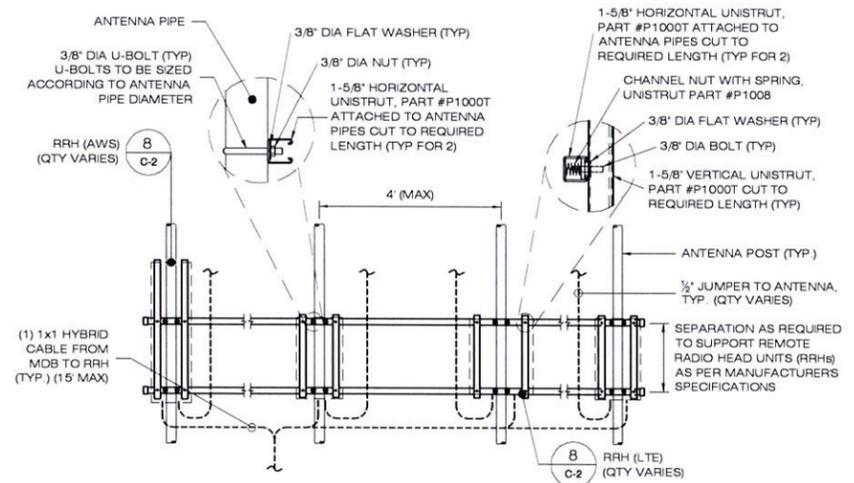


NEW PANEL ANTENNA
 TYPE & DIMENSIONS OF NEW ANTENNA ARE APPROXIMATE AND SUBJECT TO CHANGE BASED UPON AVAILABILITY OF ANTENNAS AT THE TIME OF CONSTRUCTION. THOSE DIMENSION SHOWN ARE FOR A 'TYPICAL' PANEL ANTENNA



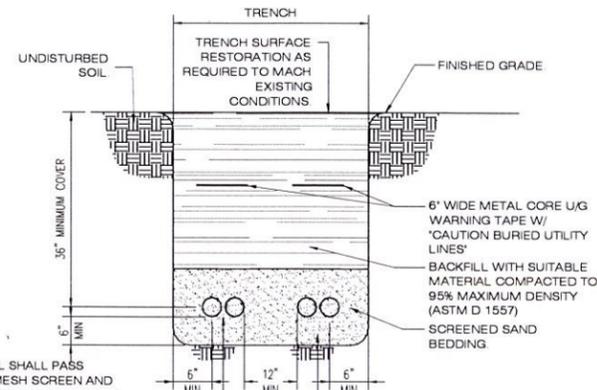
NOTES:
 1. DIMENSIONS SUBJECT TO CHANGE BASED UPON AVAILABILITY AT TIME OF CONSTRUCTION
 2. MANUFACTURER'S RECOMMENDED RRH CLEARANCES: FRONT: 36", SIDES: 12", BOTTOM: 24"
 3. SFPs ARE PROTOCOL SPECIFIC. THE CONNECTIONS BETWEEN RRHs AND BBUa ARE CPRI CONNECTIONS, AND REQUIRE CPRI SFP (ON BOTH ENDS). THE CONNECTIONS BETWEEN BBUa AND 7705 ARE ETHERNET AND REQUIRE ETHERNET SFP (ON BOTH ENDS)

NOTE:
 1) RRH=REMOTE RADIO HEAD
 2) MDB=MAIN DISTRIBUTION BOX



NOTES:
 1. ALL EXPOSED UNISTRUT ENDS TO BE CAPPED WITH UNISTRUT CAP (MODEL #P2860-10)
 2. ONLY 1-5/8" UNISTRUT TO BE USED FOR RACK CONSTRUCTION.
 3. EXTEND UNISTRUT AS NEEDED BASED ON LENGTH OF ANTENNA SECTOR. DO NOT CANTILEVER UNISTRUT FOR MORE THAN 24" BEYOND ANTENNA MAST.
 4. FOR SPANS GREATER THAN 5'-0" USE UNISTRUT PART #P1001T

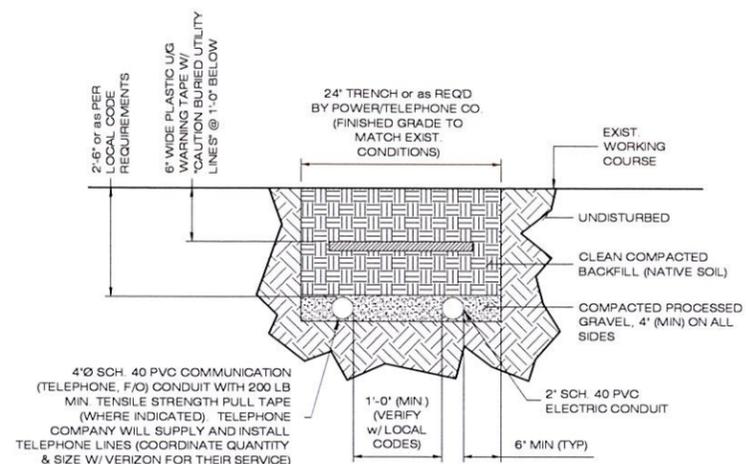
9 RRH EQUIPMENT ANTENNA MOUNT
 C-2 SCALE: 1/2" = 1'-0"



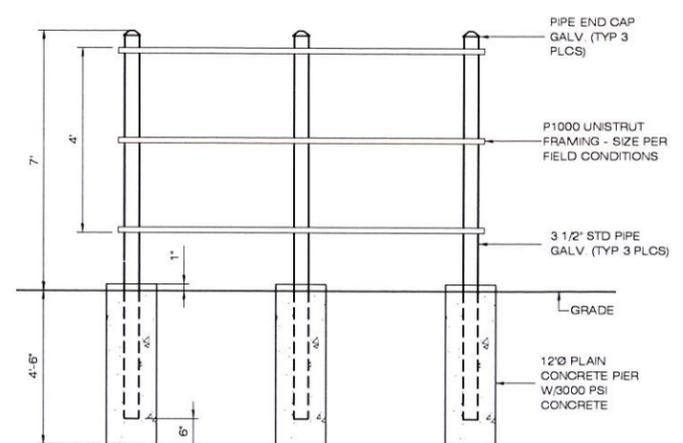
NOTES

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 DERBIES OR STONES LARGER THAN 2" IN MAXIMUM DIMENSION. WHERE EXISTING UTILITIES ARE LIKELY TO BE ENCOUNTERED.
 2. CONTRACTOR SHALL HAND DIG AND PROTECT EXISTING UTILITIES.
 3. EXISTING PAVEMENT SHALL BE SAW-CUT PRIOR TO TRENCH EXCAVATION.
- PROVIDE TWO 4" SCHEDULE 40 PVC ELECTRIC CONDUITS (1-ACTIVE FOR UTILITY PRIMARY FEEDER AND 1-SPARE WITH PULL WIRE)
- PROVIDE TWO 4" SCHEDULE 40 PVC COMMUNICATION (TELEPHONE, F/O) CONDUITS WITH 200 LB MIN. TENSILE STRENGTH PULL TAPE (WHERE INDICATED). TELEPHONE COMPANY WILL SUPPLY AND INSTALL TELEPHONE LINES.

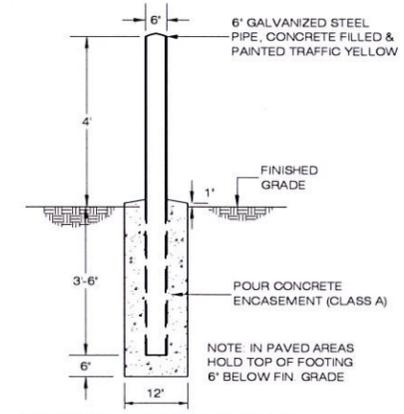
1 PRIMARY UTILITY TRENCH
SCALE: NTS



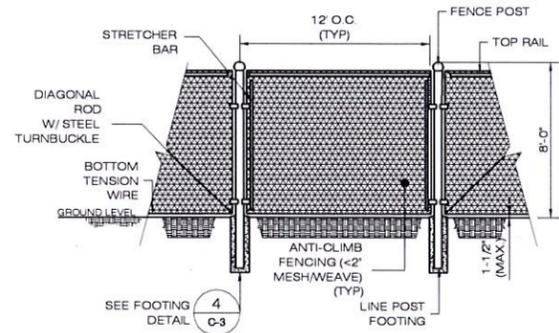
2 SECONDARY TRENCH DETAIL
SCALE: N.T.S.



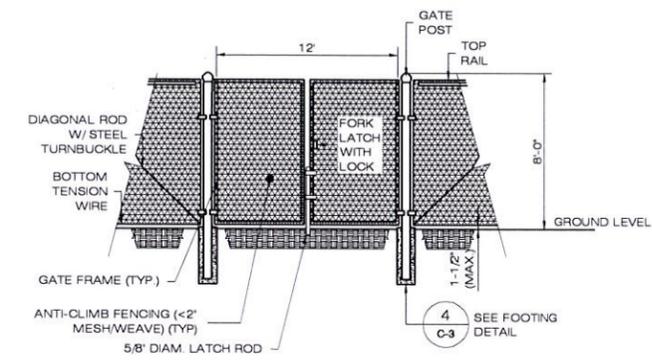
3 UTILITY BACKBOARD DETAIL
SCALE: NTS



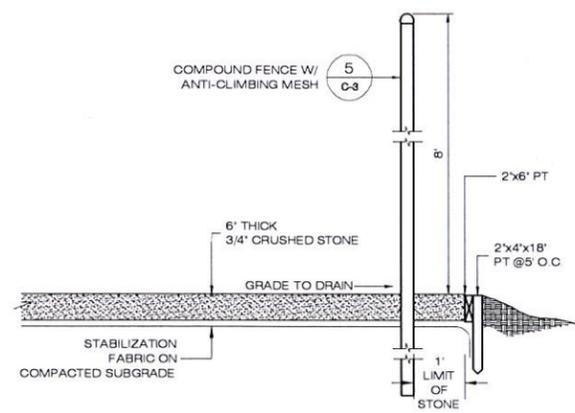
4 BOLLARD DETAIL
SCALE: NTS



5 CHAIN-LINK FENCING DETAIL
SCALE: NTS



6 FENCE & GATE DETAIL
SCALE: N.T.S.



7 COMPOUND DETAIL
SCALE: NTS

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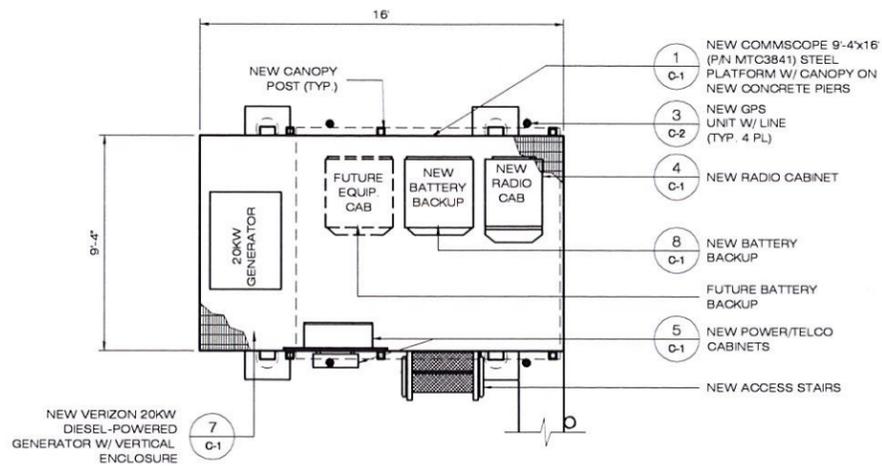
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DESIGN PROFESSIONALS OF RECORD
PROF: SCOTT M. CHASSE P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION
ADD: 3 SADDLEBROOK DRIVE
KILLINGWORTH, CT 06419

OWNER: TOWN OF EASTON
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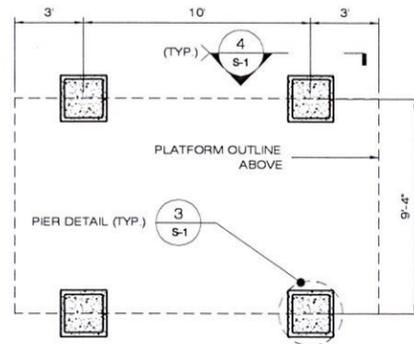
HOMELAND TOWERS "EASTON CT254"
SITE: S15 MOREHOUSE ROAD
ADDRESS: EASTON, CT 06612
APT FILING NUMBER: CT283190
DRAWN BY: RCB
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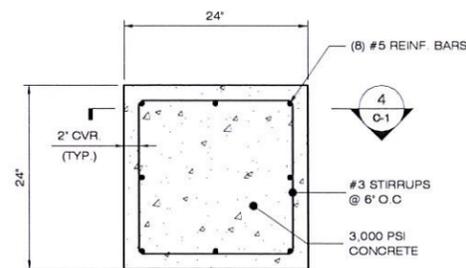


1 EQUIPMENT PLATFORM
SCALE: 1/4" = 1'-0"

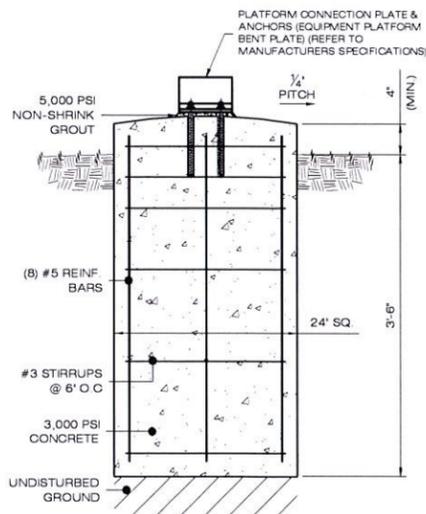
NOTE: CONTRACTOR TO VERIFY PIER LOCATION WITH PLATFORM MANUFACTURER PRIOR TO INSTALLATION OF PIERS



2 PIER LAYOUT
SCALE: 1/4" = 1'-0"



3 PIER DETAIL
SCALE: 1" = 1'-0"



4 PIER DETAIL
SCALE: 1" = 1'-0"

STRUCTURAL NOTES & SPECIFICATIONS:

STEEL

- CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. THE CONTRACTOR SHALL COORDINATE THE WORK SHOWN ON THE STRUCTURAL DRAWINGS WITH THE REQUIREMENTS OF THE M/E/P DRAWINGS (INCLUDING ALL CONTRACT SHOP DRAWINGS). THE ENGINEER SHALL BE NOTIFIED OF ANY CONDITIONS WHICH PRECLUDE COMPLETION OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL MAKE NO DEVIATION FROM THE DESIGN DRAWINGS WITHOUT PRIOR WRITTEN APPROVAL FROM THE E.O.R.
- DESIGN AND CONSTRUCTION OF STRUCTURAL STEEL SHALL 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 WIDE FLANGE STEEL SHALL CONFORM TO ASTM A992 (FY-50 KSI), UNLESS OTHERWISE NOTED.
- STEEL PIPE SHALL CONFORM TO ASTM A53, 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 MIN. OF TWO BOLTS, UNLESS NOTED OTHERWISE ON THE DRAWINGS. LOCK WASHERS ARE NOT PERMITTED FOR A325 STEEL ASSEMBLIES.
- NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" Ø GALVANIZED ASTM A307 BOLTS UNLESS OTHERWISE NOTED.
- ALL STEEL MATERIAL EXPOSED TO WEATHER SHALL BE 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 'ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE.'
- DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY TOUCHING 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 J2.4 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 NONCONFORMING MATERIALS OR CONDITIONS TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE ENGINEER REVIEW. IF FAULTY CONSTRUCTION PROCEDURES OR MATERIALS RESULT IN DEFECTIVE WORK THAT REQUIRES ADDITIONAL ENGINEERING TIME TO DEVISE CORRECTIVE MEASURES, PROFESSIONAL FEES MAY BE CHARGED TO THE CONTRACTOR AT THE STANDARD HOURLY RATE OF ADDITIONAL SERVICES.
- CONTRACTOR TO REMOVE AND RE-INSTALL ALL FIRE PROOFING AS REQUIRED DURING CONSTRUCTION.
- MISCELLANEOUS STEEL SHALL CONFORM TO ASTM A36 (OR EQUAL).
- STEEL HSS STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GR. B.
- APPLY A QUALITY CONCRETE SEALER SUCH AS THEROSEAL TO EXPOSED CONCRETE IN ACCORDANCE WITH MANUFACTURERS APPLICATIONS DIRECTIONS.
- IN CASE OF CONFLICT BETWEEN NOTES, DETAILS AND SPECIFICATIONS, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.
- ALL HOLES TO BE MADE IN THE FIELD SHALL BE DRILLED. GAS CUTTING IS NOT PERMITTED.
- ALL SPECIALTY ANCHORS SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN SPECIFICATIONS.
- SEAL ALL PENETRATIONS & SEAM BETWEEN MASONRY & STEEL W/ DOW CORNING'S 790 SILICON BUILDING SEALANT (or equal).

CONCRETE

- ALL CONCRETE CONSTRUCTION SHALL BE DONE IN ACCORD WITH AMERICAN CONCRETE INSTITUTE (ACI) CODES 301 & 318, LATEST REVISION.
- ALL CONCRETE USED SHALL BE 4000 PSI (28 DAY COMP STRENGTH). THE CONCRETE MIX SHALL BE BASED ON USING THE FOLLOWING MATERIALS AND PARAMETERS:

| | |
|---------------------|----------------------|
| 1. PORTLAND CEMENT: | ASTM C150, T1 |
| 2. AGGREGATE: | ASTM C33, 1 INCH MAX |
| 3. WATER: | POTABLE |
| 4. ADMIXTURE: | NON-CHLORIDE |
| 5. AIR: | 6% |
| 6. SLUMP: | 4 INCH |

 UNLESS NOTED OTHERWISE.
- ALL CONCRETE EXPOSED TO FREEZING WEATHER SHALL CONTAIN ENTRAINED AIR PER ACI 211 TABLE 4.2.1 OF ACI 318-95.
- ALL REINFORCING STEEL SHALL BE ASTM A615, GR 60 (DEFORMED) UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS B' AND ALL HOOKS SHALL BE ACI STANDARD UNO. REINFORCING BARS SHALL BE COLD BENT WHERE REQUIRED AND TIED (NOT WELDED).
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

| | |
|---|-----------|
| 5.1. CONCRETE CAST AGAINST EARTH = | 3 IN. |
| 5.2. CONCRETE EXPOSED TO EARTH OR WEATHER: | |
| 5.2.1. #6 AND LARGER = | 2 IN. |
| 5.2.2. #5 AND SMALLER = | 1 1/2 IN. |
| 5.3. CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT: | |
| 5.3.1. CAST AGAINST THE GROUND: | |
| 5.3.2. SLAB AND WALL = | 3/4 IN. |
| 5.3.3. BEAMS AND COLUMNS = | 1 1/2 IN. |
- A 3/4 IN. CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OR CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
- CONCRETE SHALL BE PLACED IN A UNIFORM MANNER AND CONSOLIDATED IN PLACE.
- CONCRETE FOOTINGS SHALL BE CAST AGAINST LEVEL, COMPACTED, NON-FROZEN BASE SOIL FREE OF STANDING WATER.

HOMELAND TOWERS
9 HARMONY STREET
2ND FLOOR
DANBURY, CT 06810

ALL-POINTS TECHNOLOGY CORPORATION
3 SADDLEBROOK DRIVE
KILLINGWORTH, CT 06419
PHONE: (860) 663-1697
FAX: (860) 663-0935
WWW.ALLPOINTSTECH.COM

| PERMITTING DOCUMENTS | |
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| NO. | DATE |
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DESIGN PROFESSIONALS OF RECORD
PROF. SCOTT M. CHASSE P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION
ADD: 3 SADDLEBROOK DRIVE
KILLINGWORTH, CT 06419
OWNER: TOWN OF EASTON
ADDRESS: 225 CENTER ROAD
EASTON, CT 06612

HOMELAND TOWERS "EASTON CT254"
SITE: 515 MOREHOUSE ROAD
ADDRESS: EASTON, CT 06612
APT FILING NUMBER: CT283190

DRAWN BY: RCB
CHECKED BY: SMC
DATE: 10/20/17

SHEET TITLE: **STRUCTURAL LAYOUT & DETAILS**
SHEET NUMBER: **S-1**

REGISTERED PROFESSIONAL ENGINEER

ENVIRONMENTAL NOTES

Eastern Box Turtle Protection Program

Eastern Box Turtle, both State Special Concern species afforded protection under the Connecticut Endangered Species Act, potentially occurs in the vicinity of the site. The following protective measures satisfy requirements from the Connecticut Siting Council and follow protocols developed from previous rare species consultations and protection plans approved by the Department of Energy & Environmental Protection (CTDEEP) Wildlife Division. These protective measures satisfy Condition No. 2.c) of the Connecticut Siting Council's Decision and Order (Docket No. 473) dated September 14, 2017.

It is of the utmost importance that the Contractor complies with the requirement for the installation of protective measures and the education of its employees and subcontractors performing work on the project site if work will occur during the Eastern Box Turtle's active period (April 1 to November 15). All-Points Technology Corporation, P.C. (APT) will serve as the Environmental Monitor for this project to ensure that Eastern Box Turtle protection measures are implemented properly and will provide an education session on this rare turtle species prior to the start of construction activities. The Contractor shall contact Dean Gustafson, Senior Environmental Scientist at APT, at least 5 business days prior to the pre-construction meeting. Mr. Gustafson can be reached by phone at (860) 984-9515 or via email at dgustafson@allpointstech.com.

The proposed turtle protection program consists of several components: isolation of the project perimeter, periodic inspection and maintenance of isolation structures, education of all contractors and sub-contractors prior to initiation of work on the site, protective measures, and, reporting.

1. Isolation Measures & Erosion and Sedimentation Controls

- Plastic netting used in a variety of erosion control products (i.e., erosion control blankets, fiber rolls [wattles], reinforced silt fence) has been found to entangle wildlife, including reptiles, amphibians, birds and small mammals. No permanent erosion control products or reinforced silt fence will be used on the Verizon Wireless project. Temporary erosion control products will use either erosion control blankets and fiber rolls composed of processed fibers mechanically bound together to form a continuous matrix (netless) or netting composed of planar woven natural biodegradable fiber to avoid/minimize wildlife entanglement.
- Installation of erosion and sedimentation controls (i.e., silt fencing), required for erosion control compliance and creation of a barrier to possible migrating/dispersing herpetofauna, shall be performed by the Contractor following clearing activities and prior to any earthwork. The Environmental Monitor will inspect the work zone area prior to and following erosion control barrier installation to ensure the area is free of debris to ensure the area is free of eastern box turtles and satisfactorily installed. The intent of the barrier is to segregate the majority of the work zone and isolate it from foraging/migrating/dispersing turtles. Oftentimes complete isolation of a work zone is not feasible due to accessibility needs and locations of staging/material storage areas, etc. In those circumstances, the barriers will be positioned to deflect migrating/dispersal routes away from the work zone to minimize potential encounters with turtles.
- The fencing will consist of non-reinforced conventional erosion control woven fabric, installed approximately six inches below surface grade and staked at seven to ten-foot intervals using four-foot oak stakes or approved equivalent. The Contractor is responsible for daily inspections of the fencing for tears or breaches in the fabric and accumulation levels of sediment, particularly following storm events of 0.25 inch or greater. APT will provide periodic inspections of the fencing throughout the duration of construction activities, generally on a biweekly frequency or more frequently if site conditions warrant.
- The extent of the barrier fencing will be as shown on the site plans. The Contractor shall have additional barrier fencing should field or construction conditions warrant extending the fencing as directed by APT.
- No equipment, vehicles or construction materials shall be stored outside of the isolation barrier fencing.
- All silt fencing shall be removed within 30 days of completion of work and permanent stabilization of site soils so that reptile and amphibian movement between uplands and wetlands is not restricted.

2. Contractor Education

- Prior to work on site, the Contractor shall attend an educational session at the pre-construction meeting with APT. This orientation and educational session will consist of an introductory meeting with APT providing photos of eastern box turtles and emphasizing the non-aggressive nature of these turtles, the absence of need to destroy animals that might be encountered and the need to follow Protective Measures as described in Section 4 below. Workers will also be provided information regarding the identification of other turtle species that could be encountered.
- The education session will also focus on means to discriminate between the species of concern and other native species to avoid unnecessary "false alarms". Encounters with any species of turtles will be documented.
- The Contractor will be provided with cell phone and email contacts for APT personnel to immediately report any encounters with eastern box turtle or other turtle species. Educational poster materials will be provided by APT and displayed on the job site to maintain worker awareness as the project progresses.

3. Turtle Protective Measures

- Prior to the start of construction each day, the Contractor shall search the entire work area for turtles.
- If a turtle is found, it shall be immediately moved, unharmed, by carefully grasped in both hands, one on each side of the shell, between the turtle's forelimbs and the hind limbs, and placed just outside of the isolation barrier in the same approximate direction it was walking.
- 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.

4. Herbicide and Pesticide Restrictions

- The use of herbicides and pesticides at the proposed wireless telecommunications facility and along the proposed access drive are strictly prohibited.

5. Reporting

- Daily inspection reports (brief narrative and applicable photos on days APT performs an inspection) will be submitted to Celco and Homeland Towers for compliance verification. Any observations of turtles will be included in the reports.
- Following completion of the construction project, APT will provide a summary report to the Connecticut Siting Council documenting the monitoring and maintenance of the barrier fence and erosion control measures.
- Any observations of eastern box turtle will be reported to CTDEEP by APT, with photo-documentation (if possible) and with specific information on the location and disposition of the animal.

Breeding Bird Protection Program

To minimize the risk to migratory birds during construction, the following protection measures, recommended as guidelines by the United States Fish and Wildlife Service, shall be followed by the Contractor. These protective measures satisfy Condition No. 2.c) of the Connecticut Siting Council's Decision and Order (Docket No. 473) dated September 14, 2017.

- If construction activities should occur during the peak breeding bird nesting period of April 15 through July 15, efforts would be taken to complete tree clearing work prior to April 15.
- If tree clearing has not been completed by April 15, an avian survey will be conducted by APT to determine if breeding birds would be disturbed.
- If the avian survey concludes that breeding birds would be disturbed, tree clearing activities may be restricted from the April 15 through July 15 peak nesting period (or a modified time frame based on the specific findings of the survey).

Public Water Supply Watershed Protection Program

The proposed Facility is located within the public water supply watershed of the Hemlock Reservoir and active source of public drinking water maintained by the Aquarion Water Company (PWSID #CT0150011). As a result, the following protective measures shall be followed to help avoid degradation of water quality that could affect this public water supply watershed. These protective measures satisfy recommendations from the Drinking Water Section (DWS) of the Department of Public Health as specified in a May 19, 2017 letter and Finding of Fact No. 113 of the Connecticut Siting Council's Decision and Order (Docket No. 473) dated September 14, 2017.

It is of the utmost importance that the Contractor complies with the requirement for the installation of protective measures and the education of its employees and subcontractors performing work on the project site. This protection program shall be implemented regardless of time of year the construction activities occur. All-Points Technology Corporation, P.C. (APT) will serve as the Environmental Monitor for this project to ensure that these protection measures are implemented properly. The Contractor shall contact Dean Gustafson, Senior Environmental Scientist at APT and Aquarion Water Company personnel, at least 5 business days prior to the pre-construction meeting. Mr. Gustafson can be reached by phone at (860) 663-1697 ext. 201 or via email at dgustafson@allpointstech.com.

Aquarion Water Co. of CT shall be contacted prior to starting this project to review the scope of this project. Aquarion Water Company personnel shall be allowed to periodically inspect this project to ensure that drinking water quality is not be adversely impacted.

The public water supply watershed protection program consists of several components: use of appropriate erosion control measures to control and contain erosion while avoiding/minimizing wildlife entanglement, periodic inspection and maintenance of isolation structures and erosion control measures, education of all contractors and sub-contractors prior to initiation of work on the site, protective measures, and, reporting.

1. Erosion and Sedimentation Controls

- Plastic netting used in a variety of erosion control products (i.e., erosion control blankets, fiber rolls [wattles], reinforced silt fence) has been found to entangle wildlife, including reptiles, amphibians, birds and small mammals. No permanent erosion control products or reinforced silt fence will be used on the project. Temporary Erosion control products will use either erosion control blankets and fiber rolls composed of processed fibers mechanically bound together to form a continuous matrix (net less) or netting composed of planar woven natural biodegradable fiber to avoid/minimize wildlife entanglement.
- Installation of erosion control measures (i.e., conventional silt fencing, straw bales, straw wattles, compost filter socks, etc.) shall be performed by the Contractor prior to any earthwork. APT will inspect the work zone following erosion control barrier installation to ensure erosion controls are properly installed prior to the start of earthwork.
- All erosion controls materials and installation/maintenance methods shall follow the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control (DEP Bulletin 34), as amended. The Contractor is responsible for daily inspections of erosion control measures for tears or breaches in the fabric/material and accumulation levels of sediment, particularly following storm events of 0.10 inch or greater. APT will provide periodic inspections of the erosion control measures throughout the duration of construction activities.
- The extent of the erosion control barriers will be as shown on the site plans. The Contractor shall have additional erosion control materials stockpiled on site should field conditions warrant extending/reinforcing erosion control barriers as directed by APT or other responsible agencies.
- All silt fencing and other erosion control devices shall be removed within 30 days of completion of work and permanent stabilization of site soils so that reptile and amphibian movement between uplands and wetlands is not restricted. If fiber rolls/wattles, straw bales, or other natural material erosion control products are used, such devices will not be left in place to biodegrade and shall be promptly removed after soils are stable so as not to create a barrier to migrating wildlife. Seed from seeding of soils should not spread over fiber rolls/wattles as it makes them harder to remove once soils are stabilized by vegetation.

2. Contractor Education

- Prior to work on site, the Contractor shall attend an educational session at the pre-construction meeting with APT. This orientation and educational session will consist of an introductory meeting with APT to understand the environmentally sensitive nature of the development site and the need to follow the Protective Measures.
- The Contractor will be provided with cell phone and email contacts for Aquarion Water Company personnel to immediately report any releases of sediment or fuel or hazardous material releases.

3. Petroleum Materials Storage and Spill Prevention

- Certain precautions are necessary to store petroleum materials, refuel and contain and properly clean up any inadvertent fuel or petroleum (i.e., oil, hydraulic fluid, etc.) spill due to the projects location within the Hemlock Reservoir public water supply watershed.
- A spill containment kit consisting of a sufficient supply of absorbent pads and absorbent material will be maintained by the Contractor at the construction site throughout the duration of the project. In addition, a waste drum will be kept on site to contain any used absorbent pads/material for proper and timely disposal off site in accordance with applicable local, state and federal laws.
- Servicing of machinery should be completed outside of the public water supply watershed.
- The following petroleum and hazardous materials storage and refueling restrictions and spill response procedures will be adhered to by the Contractor.

i. Petroleum and Hazardous Materials Storage and Refueling

- Refueling of vehicles or machinery shall occur a minimum of 100 feet from wetlands or watercourses and shall take place on an impervious pad with secondary containment designed to contain fuels.
- Fuel and other hazardous materials should not be stored within the public water supply watershed. Any fuel or hazardous materials that must be kept within the public water supply watershed during working hours shall be stored on an impervious surface utilizing secondary containment a minimum of 100 feet from wetlands or watercourses.

ii. Initial Spill Response Procedures

- Stop operations and shut off equipment.
- Remove any sources of spark or flame.
- Contain the source of the spill.
- Determine the approximate volume of the spill.
- Identify the location of natural flow paths to prevent the release of the spill to sensitive nearby waterways or wetlands.
- Ensure that fellow workers are notified of the spill.

iii. Spill Clean Up & Containment

- Obtain spill response materials from the on-site spill response kit. Place absorbent materials directly on the release area.
- Limit the spread of the spill by placing absorbent materials around the perimeter of the spill.
- Isolate and eliminate the spill source.
- Contact Aquarion Water Company personnel and Connecticut Siting Council along with other appropriate local, state and/or federal agencies, as necessary.
- Contact a disposal company to properly dispose of contaminated materials.

iv. Reporting

- Complete an incident report.
- Submit a completed incident report to Aquarion Water Company and the Connecticut Siting Council.

4. Herbicide and Pesticide Restrictions

- The use of herbicides and pesticides at the proposed wireless telecommunications facility is strictly prohibited.

5. Reporting

- Daily inspection reports (brief narrative and applicable photos on days APT performs an inspection) will be submitted to Celco and Homeland Towers for compliance verification.
- Following completion of the construction project, APT will provide a summary report to the Connecticut Siting Council documenting the monitoring and maintenance of the barrier fence and erosion control measures.
- Any significant releases of sediment that could impact water quality (e.g., impacting the nearby wetlands) will be reported to the Connecticut Siting Council and Aquarion Water Company within 24 hours.



HOMELAND TOWERS
9 HARMONY STREET
2ND FLOOR
DANBURY, CT 06810



3 SADDLEBROOK DRIVE PHONE: (860) 663-1697
KILLINGWORTH, CT 06419 FAX: (860) 663-0935
WWW.ALLPOINTSTECH.COM

PERMITTING DOCUMENTS

| NO | DATE | REVISION |
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| 0 | 10/20/17 | FOR REVIEW: RCB |
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DESIGN PROFESSIONALS OF RECORD

PROF: SCOTT M. CHASSE P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION
ADD: 3 SADDLEBROOK DRIVE
KILLINGWORTH, CT 06419

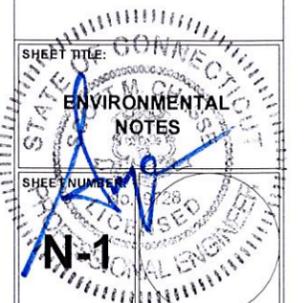
OWNER: TOWN OF EASTON
ADDRESS: 225 CENTER ROAD
EASTON, CT 06612

HOMELAND TOWERS "EASTON CT254"

SITE: 515 MOREHOUSE ROAD
ADDRESS: EASTON, CT 06612

APT FILING NUMBER: CT283190

DRAWN BY: RCB
DATE: 10/20/17 CHECKED BY: SMC



GENERAL NOTES:

- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL COMPLY WITH THE STANDARDS AND SPECIFICATIONS OF THE TOWN OF EASTON, AND OTHER GOVERNMENTAL AGENCIES, AS APPLICABLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS BEFORE COMMENCING WORK. THE CONTRACTOR SHALL FOLLOW CONDITIONS OF ALL APPLICABLE PERMITS AND WORK IN ACCORD WITH OSHA REGULATIONS.
- UTILITY INFORMATION SHOWN ON THE PLAN IS BASED ON VISIBLE FIELD EVIDENCE AND AVAILABLE RECORDS. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO COMMENCING WORK. THE CONTRACTOR IS ADVISED THAT THESE DRAWINGS MAY NOT ACCURATELY DEPICT AS-BUILT LOCATIONS AND OTHER UNKNOWN STRUCTURES. THE CONTRACTOR SHALL THEREFORE DETERMINE 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 CONNECTIONS (OR PORTIONS THERE OF) TO REMAIN. CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING STRUCTURES OR UTILITIES DAMAGED BY HIS OPERATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF NEW SERVICE CONNECTIONS AND SHALL COORDINATE WORK WITH THE APPROPRIATE UTILITY COMPANY.
- ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, FIBER OPTIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER.
- EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE, BUT NOT BE LIMITED TO:
 - FALL PROTECTION,
 - CONFINED SPACE ENTRY,
 - ELECTRICAL SAFETY, AND
 - TRENCHING & EXCAVATION.
- ELECTRIC SERVICE SHALL BE COORDINATED WITH UI.
- ALL ELEVATIONS SHOWN ARE IN NAVD 83.
- ALL RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- 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.
- THE CONTRACTOR SHALL SHORE ALL TRENCH EXCAVATION GREATER THAN 5 FEET IN DEPTH OR LESS WHERE SOIL CONDITIONS ARE DEEMED UNSTABLE. ALL SHEETING AND/OR SHORING METHODS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER.
- 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.
- THE CONTRACTOR IS REQUIRED TO REVIEW THE STATEMENT OF SPECIAL INSPECTION PRIOR TO THE START OF WORK. THE CONTRACTOR TO PROVIDE E-MAIL REQUEST TO THE PROJECT ENGINEER FOR INSPECTION 72 HOURS IN ADVANCE OF INSPECTION.

14. EXCAVATION
CONTRACTOR SHALL GRADE ONLY AREAS SHOWN TO BE MODIFIED HEREIN AND ONLY TO THE EXTENT REQUIRED TO SHED OVERLAND WATER FLOW AWAY FROM SITE. ALL SLOPES SHALL NOT BE STEEPER THAN 3:1 (HORIZ VERT).

BEDROCK SUBGRADE SHOULD NOT BE STEEPER THAN 4H:1V. HIGH SPOTS IN BEDROCK SUBGRADES MAY NEED TO BE REMOVED AND LOW SPOTS MAY BE FILLED WITH LEAN CONCRETE OR MINUS 3/4" CRUSHED STONE TO PROVIDE A LEVEL SURFACE. BEDROCK SUBGRADES DO NOT REQUIRE PROOFROLLING.

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 ASTM D1557, METHOD C.

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

STRUCTURAL FILL SHALL 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 3/4-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 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.

CONTRACTOR TO VERIFY THAT FOOTING ELEVATIONS AND PIER ELEVATION PROVIDED HEREIN ARE CONSISTENT WITH THE TOWER DESIGN REQUIREMENTS.

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

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 | ACCEPTABLE LOCATION FOR PLACEMENT |
|-----------------|--|
| STRUCTURAL FILL | ALL LOCATIONS AND ELEVATIONS, INCLUDING BACKFILL OF THE EXCAVATION TO REMOVE EXISTING FILL. IMPORTED SOILS USED AS STRUCTURAL FILL SHOULD MEET THE GRADATION REQUIREMENTS IN NOTE 2 (BELOW). COBBLES AND BOULDERS SHOULD BE CULLED PRIOR TO REUSE. |
| SLAB BASE | SELECT FILL BENEATH SLABS SHOULD MEET THE GRADATION REQUIREMENTS OF CTDOT M 02 06, GRADING B. |
| COMMON FILL | COMMON FILL MAY BE USED FOR GENERAL SITE GRADING. COMMON FILL SHOULD NOT BE USED UNDER SETTLEMENT OR FROST-SENSITIVE STRUCTURES. COBBLES AND BOULDERS SHOULD BE CULLED PRIOR TO REUSE. |

- COMPACTED 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 FROZEN SUBGRADE.
- IMPORTED STRUCTURAL FILL SHOULD CONSIST OF INORGANIC, READILY COMPACTABLE, WELL-GRADED GRANULAR SOILS WITH A MAXIMUM PARTICLE SIZE OF 6 INCHES AND NO MORE THAN 15 PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE.
- COMMON FILL SHOULD HAVE A MAXIMUM PARTICLE SIZE OF 6 INCHES AND NO MORE THAN 25 PERCENT BY WEIGHT PASSING THE US NO. 200 SIEVE.

SEDIMENTATION/EROSION

1. THE CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES SHALL BE IN CONFORMANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.

2. 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 UNDISTURBED.

C. CLEARING AND GRADING SHALL BE SCHEDULED SO AS TO MINIMIZE 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.

F. RUNOFF SHALL BE DIVERTED AWAY FROM CLEARED SLOPES.

G. ALL SEDIMENT SHALL BE TRAPPED ON THE SITE.

3. 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 CONTRACTOR'S RESPONSIBILITY TO MAINTAIN SEC MEASURES THROUGHOUT DURATION OF PROJECT UNTIL DISTURBED LAND IS THOROUGHLY VEGETATED.

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

6. VEGETATIVE SEEDING UON AREA TO BE SEEDED SHALL BE LOOSE AND FRABLE TO A DEPTH OF 3" TOPSOIL. SHALL BE LOOSENEED BY RAKING OR DISKING BEFORE SEEDING. APPLY 50 LBS OF DOLOMITIC LIMESTONE AND 25 LBS OF 10-10-10 FERTILIZER PER 1000 SF. HARROW LIME AND FERTILIZER INTO LOOSE SOIL. APPLY COMMON BERMUDA AND RYE GRASS AT 50 LBS/ACRE. USE CYCLONE SEED DRILL, CULTIPACKER SEEDER OR HYDROSEEDER (SEED & FERTILIZER SLURRY) FOR STEEP SLOPES. IRRIGATE UNTIL VEGETATION IS COMPLETELY ESTABLISHED.

7. PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY 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.

8. INSPECT AND MAINTAIN EROSION CONTROL 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 ENCLUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.

9. 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 GROUND COVER, CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ENTIRE 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 FROM 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 CONFORMANCE 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 DRAWINGS.

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 STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.

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 80,000 SQUARE 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 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 UNSPOILED, AIR-DRIED, AND FREE FROM WEED, SEEDS, AND ANY COARSE MATERIAL.

STRUCTURAL NOTES & SPECS

STEEL

1. 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.

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

3. STRUCTURAL AND MISCELLANEOUS STEEL SHALL CONFORM TO ASTM A992 (FY-50 KSI), UNLESS OTHERWISE NOTED.

4. STEEL PIPE SHALL CONFORM TO ASTM A500, GRADE B, STEEL PIPE DIAMETERS NOTED ON THE DRAWINGS ARE NOMINAL.

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

6. NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIAMETER GALVANIZED ASTM A 307 BOLTS UNLESS OTHERWISE NOTED.

7. ALL STEEL MATERIAL EXPOSED TO WEATHER SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 'ZINC (HOT-DIPPED GALVANIZED) COATINGS' ON IRON AND STEEL PRODUCTS.

8. ALL BOLTS ANCHORS AND MISCELLANEOUS HARDWARE EXPOSED TO WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 'ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE'.

9. 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.

10. 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 J2.4 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.

11. 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.

CONCRETE NOTES

1. ALL CONCRETE CONSTRUCTION SHALL BE DONE IN ACCORD WITH AMERICAN CONCRETE INSTITUTE (ACI) CODES 301 & 318, LATEST REVISION.

2. TOWER FOUNDATION WORK SHALL BE IN ACCORDANCE WITH TOWER MANUFACTURERS DESIGNS AND SPECIFICATIONS.

3. ALL CONCRETE USED SHALL BE 4000 PSI (28 DAY COMP. STRENGTH). THE CONCRETE MIX SHALL BE BASED ON USING THE FOLLOWING MATERIALS AND PARAMETERS:

PORTLAND CEMENT: ASTM C150, T1
AGGREGATE: ASTM C33, 1 INCH MAX
WATER: POTABLE
AD MIXTURE: NON-CHLORIDE
AIR: 6%
SLUMP: 4 INCH
UNLESS NOTED OTHERWISE.

*ALL CONCRETE EXPOSED TO FREEZING WEATHER SHALL CONTAIN ENTRAINED AIR PER ACI 211 TABLE 4.2.1 OF ACI 318-95.

4. ALL REINFORCING STEEL SHALL BE ASTM A615, GR 80 (DEFORMED) UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS 'B' AND ALL HOOKS SHALL BE ACI STANDARD UNO. REINFORCING BARS SHALL BE COLD BENT WHERE REQUIRED AND TIED (NOT WELDED).

5. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
CONCRETE CAST AGAINST EARTH = 3 IN.
CONCRETE EXPOSED TO EARTH OR WEATHER #8 AND LARGER = 2 IN.
#5 AND SMALLER = 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.

6. A 3/4 IN. CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OR CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

7. CONCRETE SHALL BE PLACED IN A UNIFORM MANNER AND CONSOLIDATED IN PLACE.

8. CONCRETE FOOTINGS SHALL BE CAST AGAINST LEVEL, COMPACTED, NON-FROZEN BASE SOIL FREE OF STANDING WATER.

9. APPLY A QUALITY CONCRETE SEALER SUCH AS THEROSEAL TO EXPOSED CONCRETE IN ACCORDANCE WITH MANUFACTURERS APPLICATIONS DIRECTIONS.

SITE NOTES

1. ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR AND THE TESTING AGENCY PRIOR TO BEGINNING ANY MATERIAL ORDERING. FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNER'S ENGINEER. THE DISCREPANCIES 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 RESPONSIBLE 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 REPAIRED TO PRE-CONSTRUCTION CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CLIENT. FOR GRASSED AREAS, SEED AND MULCH SHALL BE ACCEPTABLE.

3. THE CONTRACTOR SHALL REWORK (DRY, SCARFY, ETC.) ALL MATERIAL NOT SUITABLE FOR SUBGRADE IN ITS PRESENT STATE. IF THE MATERIAL, AFTER REWORKING, REMAINS UNSUITABLE THEN THE CONTRACTOR SHALL UNDERCUT THIS MATERIAL AND REPLACE WITH APPROVED MATERIAL AT HIS EXPENSE. ALL SUBGRADES SHALL BE PROOF ROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR 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 UNTIL 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. NOTIFY THE OWNER IMMEDIATELY IF DISCREPANCIES ARE DISCOVERED. THE CONTRACTOR 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 COMMENCING.



3 SADDLEBROOK DRIVE PHONE (860)-663-1087
KILLINGWORTH, CT 06419 FAX (860)-663-0808
WWW.ALLPOINTSTECH.COM

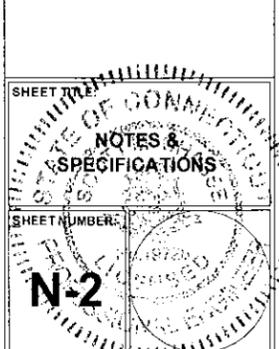
| PERMITTING DOCUMENTS | |
|----------------------|--------------------------|
| NO. | DATE REVISION |
| 0 | 10/20/17 FOR REVIEW, RCB |
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| DESIGN PROFESSIONALS OF RECORD | |
|---|--|
| PROF. SCOTT M. CHASSE P.E. COMP. ALL-POINTS TECHNOLOGY CORPORATION ADD: 3 SADDLEBROOK DRIVE KILLINGWORTH, CT 06419 | |
| OWNER: TOWN OF EASTON ADDRESS: 225 CENTER ROAD EASTON, CT 06612 | |

| HOMELAND TOWERS "EASTON CT254" | |
|--|----------------------------------|
| SITE ADDRESS: 515 MOREHOUSE ROAD EASTON, CT 06612 | |
| APT FILING NUMBER: CT283190 | |
| DATE: 10/20/17 | DRAWN BY: RCB CHECKED BY: SMC |

| HOMELAND TOWERS "EASTON CT254" | |
|--|----------------------------------|
| SITE ADDRESS: 515 MOREHOUSE ROAD EASTON, CT 06612 | |
| APT FILING NUMBER: CT283190 | |
| DATE: 10/20/17 | DRAWN BY: RCB CHECKED BY: SMC |

| HOMELAND TOWERS "EASTON CT254" | |
|--|----------------------------------|
| SITE ADDRESS: 515 MOREHOUSE ROAD EASTON, CT 06612 | |
| APT FILING NUMBER: CT283190 | |
| DATE: 10/20/17 | DRAWN BY: RCB CHECKED BY: SMC |



SHEET NUMBER: N-2