

Phoenix Partnership

May 18, 2020

Ms. Melanie Bachman,
Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

**Re: Docket No. 486 Application of Tarpon Towers II LLC,
For a Certificate of Environmental Compatibility and Public
Need for the Construction, Maintenance and Operation of a
Telecommunications Facility at 796 Woodin St
the Town of Hamden, Connecticut Development and
Management Plan**

Dear Attorney Bachman:

Tarpon Towers, LLC ("Tarpon") received your questions on May 12, 2020 regarding the revision of the D&M Plan of Docket 486 and trenching along the access road.

Please see our responses below along with the updated plan.

**Docket 486
D&M Plan - Revision
Interrogatories**

May 12, 2020

1. Please explain how the trench/pipe system collects and disperses water. Is the pipe perforated?
Answer: The trench drain intersects the ground water that is running from the Wilber Cross Parkway, upgradient of the site access road and diverts this water to the existing wetland areas. This redirects the ground water that saturated the ground along the proposed access road. The pipes are perforated
2. Indicate direction of trench/pipe water flow.
Answer: Direction of the flow has been added to the plans. Please see attached

110 Washington Avenue North Haven, Connecticut 06473
Phone - 203-623-3287

3. How is the outflow of the trench/pipe designed where it discharges at point 1-65? Are there any concerns regarding pipe blockage due to leaves/debris?
Answer: The outflow of the perforated pipe should have no issues as it would be flushed out during the seasonal high ground water. The invert elevation is higher than the bottom of the existing swale west of Wetland Flags 1-62 thru 1-65.
4. How will the trench/pipe be designed where it crosses the access road and associated drainage swale near the compound?
Answer: The trench drain will not have gravel up to the surface like in the other areas and will be located a minimum of 24" below finished access road grade, a minimum of 12 inches of cover will allow for AASHTO H-24 loading

Please feel free to contact me with any questions.

Best Regards,



Keith Coppins

Enclosures

cc: Service List
Town of Hamden
2750 Dixwell Ave
Hamden, CT 06518

City of New Haven
156 Church St
New Haven, CT 06510

Cellco Partnership d/b/a Verizon Wireless
Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street Hartford, CT 06103-3597

110 Washington Avenue North Haven, Connecticut 06473
Phone - 203-623-3287

ENVIRONMENTAL NOTES

WETLAND PROTECTION PLAN

THE PROPOSED TARPON TOWERS II LLC ("TARPON TOWERS") FACILITY IS LOCATED IN CLOSE PROXIMITY TO WETLAND RESOURCES. AS A RESULT, THE FOLLOWING PROTECTIVE MEASURES SHALL BE FOLLOWED TO HELP AVOID INCIDENTAL IMPACT TO NEARBY WETLANDS DURING CONSTRUCTION ACTIVITIES.

IT IS OF THE UTMOST IMPORTANCE THAT TARPON TOWERS' CONTRACTOR COMPLIES WITH THE REQUIREMENT FOR THE INSTALLATION OF WETLAND 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 COMPLIANCE MONITOR FOR THIS PROJECT TO ENSURE THAT WETLAND PROTECTION MEASURES ARE IMPLEMENTED PROPERLY. THE CONTRACTOR SHALL CONTACT DEAN GUSTAFSON, SENIOR WETLAND SCIENTIST AT APT, AT LEAST 5 BUSINESS DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING. MR. GUSTAFSON CAN BE REACHED BY PHONE AT (860) 552-2033 OR VIA EMAIL AT DGUSTAFSON@ALLPOINTSTECH.COM.

THE WETLAND PROTECTION PROGRAM CONSISTS OF SEVERAL COMPONENTS: EDUCATION OF ALL CONTRACTORS AND SUB-CONTRACTORS PRIOR TO INITIATION OF WORK ON THE SITE; 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; AND, REPORTING.

1. CONTRACTOR EDUCATION

- A. PRIOR TO WORK ON SITE, THE CONTRACTOR SHALL ATTEND AN EDUCATIONAL SESSION AT THE PRE-CONSTRUCTION MEETING WITH THE ENVIRONMENTAL COMPLIANCE MONITOR. THIS ORIENTATION AND EDUCATIONAL SESSION WILL CONSIST OF AN INTRODUCTORY MEETING WITH THE ENVIRONMENTAL COMPLIANCE MONITOR TO UNDERSTAND THE ENVIRONMENTALLY SENSITIVE NATURE OF THE DEVELOPMENT SITE AND THE NEED TO FOLLOW THESE WETLAND PROTECTION PLAN MEASURES.
- B. APT WILL POST CAUTION SIGNS THROUGHOUT THE SITE FOR THE DURATION OF THE CONSTRUCTION PROJECT PROVIDING NOTICE OF THE ENVIRONMENTALLY SENSITIVE NATURE OF THE WORK AREA AND PRECAUTIONS TO BE TAKEN TO AVOID IMPACT TO NEARBY WETLAND RESOURCES.
- C. THE CONTRACTOR WILL BE PROVIDED WITH CELL PHONE AND EMAIL CONTACTS FOR THE ENVIRONMENTAL COMPLIANCE MONITOR TO IMMEDIATELY REPORT ANY INCIDENTAL IMPACT OR RELEASES OF SEDIMENT INTO NEARBY WETLANDS.

2. EROSION AND SEDIMENTATION CONTROLS

- A. THE EXTENT OF THE EROSION AND SEDIMENTATION CONTROLS WILL BE AS SHOWN ON THE SITE PLANS. THE CONTRACTOR SHALL HAVE ADDITIONAL EROSION CONTROL MATERIALS STAGED ON SITE SHOULD FIELD CONDITIONS WARRANT EXTENDING/REINFORCING CONTROLS AS DIRECTED BY THE ENVIRONMENTAL COMPLIANCE MONITOR.
- B. 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 TARPON TOWERS PROJECT. TEMPORARY EROSION CONTROL PRODUCTS THAT WILL BE EXPOSED AT THE GROUND SURFACE REPRESENT A POTENTIAL FOR WILDLIFE ENTANGLEMENT WILL USE EITHER EROSION CONTROL BLANKETS AND FIBER ROLLS COMPOSED OF PROCESSED FIBERS MECHANICALLY BOUND TOGETHER TO FORM A CONTINUOUS MATRIX (NETLESS) OR NETTING WITH A MESH SIZE <math>< \frac{1}{4} \text{ IN.}</math> SUCH AS THAT TYPICALLY USED IN COMPOST FILTER SOCKS TO AVOID/MINIMIZE WILDLIFE ENTANGLEMENT.
- C. INSTALLATION OF EROSION AND SEDIMENTATION CONTROLS SHALL BE PERFORMED BY THE CONTRACTOR PRIOR TO ANY EARTHWORK. THE ENVIRONMENTAL COMPLIANCE MONITOR WILL INSPECT THE WORK ZONE AREA FOLLOWING INSTALLATION TO ENSURE EROSION CONTROLS ARE PROPERLY INSTALLED.
- D. 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.
- E. IN ADDITION TO REQUIRED DAILY INSPECTION BY THE CONTRACTOR, THE FENCING WILL BE INSPECTED BY THE CONTRACTOR FOR TEARS OR BREECHEES IN THE FABRIC FOLLOWING INSTALLATION AND FOLLOWING STORM EVENTS THAT PRODUCE A DISCHARGE. INSPECTIONS WILL BE CONDUCTED PERIODICALLY BY THE ENVIRONMENTAL COMPLIANCE MONITOR THROUGHOUT THE COURSE OF THE CONSTRUCTION PROJECT.
- F. 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 POSSIBLE 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 SHALL NOT BE SPREAD OVER FIBER ROLLS/WATTLES AS IT MAKES THEM HARDER TO REMOVE ONCE SOILS ARE STABILIZED BY VEGETATION.

3. PETROLEUM MATERIALS STORAGE AND SPILL PREVENTION

- A. 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 PROJECT'S LOCATION IN PROXIMITY TO SENSITIVE WETLANDS.
- B. A SPILL CONTAINMENT KIT CONSISTING OF A SUFFICIENT SUPPLY OF ABSORBENT PADS AND ABSORBENT MATERIAL SHALL BE MAINTAINED BY THE CONTRACTOR AT THE CONSTRUCTION SITE THROUGHOUT THE DURATION OF THE PROJECT. IN ADDITION, A WASTE DRUM SHALL BE KEPT ON SITE BY THE CONTRACTOR TO CONTAIN ANY USED ABSORBENT PADS/MATERIAL FOR PROPER AND TIMELY DISPOSAL OFF SITE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL LAWS.
- C. 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

- 1. 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.
- 2. ANY FUEL OR HAZARDOUS MATERIALS THAT MUST BE KEPT ON SITE SHALL BE STORED ON AN IMPERVIOUS SURFACE UTILIZING SECONDARY CONTAINMENT A MINIMUM OF 100 FEET FROM WETLANDS OR WATERCOURSES.

ii. INITIAL SPILL RESPONSE PROCEDURES

- 1. STOP OPERATIONS AND SHUT OFF EQUIPMENT.
- 2. REMOVE ANY SOURCES OF SPARK OR FLAME.
- 3. CONTAIN THE SOURCE OF THE SPILL.
- 4. DETERMINE THE APPROXIMATE VOLUME OF THE SPILL.
- 5. IDENTIFY THE LOCATION OF NATURAL FLOW PATHS TO PREVENT THE RELEASE OF THE SPILL TO SENSITIVE NEARBY WATERWAYS OR WETLANDS.
- 6. ENSURE THAT FELLOW WORKERS ARE NOTIFIED OF THE SPILL.

iii. SPILL CLEAN UP & CONTAINMENT

- 1. OBTAIN SPILL RESPONSE MATERIALS FROM THE ON-SITE SPILL RESPONSE KIT. PLACE ABSORBENT MATERIALS DIRECTLY ON THE RELEASE AREA.
- 2. LIMIT THE SPREAD OF THE SPILL BY PLACING ABSORBENT MATERIALS AROUND THE PERIMETER OF THE SPILL.
- 3. ISOLATE AND ELIMINATE THE SPILL SOURCE.
- 4. CONTACT APPROPRIATE LOCAL, STATE AND/OR FEDERAL AGENCIES, AS NECESSARY.
- 5. CONTACT A DISPOSAL COMPANY TO PROPERLY DISPOSE OF CONTAMINATED MATERIALS.

iv. REPORTING

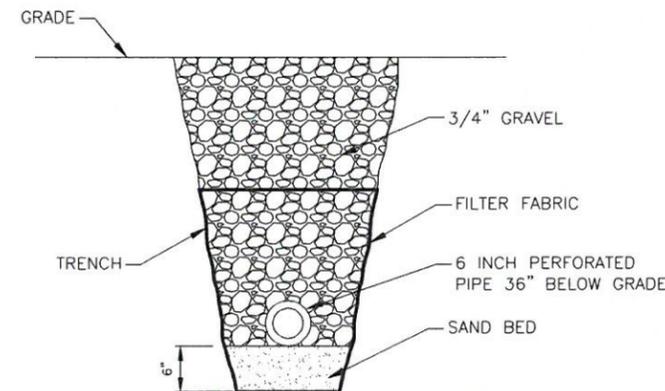
- 1. CONTRACTOR SHALL COMPLETE AN INCIDENT REPORT.
- 2. CONTRACTOR SHALL SUBMIT A COMPLETED INCIDENT REPORT TO APPROPRIATE LOCAL, STATE AND/OR FEDERAL AGENCIES, AS NECESSARY.

4. HERBICIDE AND PESTICIDE RESTRICTIONS

- A. THE USE OF HERBICIDES AND PESTICIDES AT THE PROPOSED FACILITY SHOULD BE MINIMIZED AND WHEN USED SHOULD BE IN CONJUNCTION WITH INTEGRATED PEST MANAGEMENT ("IPM") TECHNIQUES WITH PARTICULAR ATTENTION TO MINIMIZE APPLICATIONS WITHIN 100 FEET OF WETLAND OR WATERCOURSE RESOURCES. NO APPLICATIONS OF HERBICIDES OR PESTICIDES ARE ALLOWED WITHIN ACTUAL WETLAND OR WATERCOURSE RESOURCES.

5. REPORTING

- A. A COMPLIANCE MONITORING REPORT (BRIEF NARRATIVE AND APPLICABLE PHOTOS) DOCUMENTING EACH OF APT'S INSPECTIONS WILL BE SUBMITTED BY APT TO TARPON TOWERS AND ITS CONTRACTOR FOR COMPLIANCE VERIFICATION.
- B. FOLLOWING COMPLETION OF THE CONSTRUCTION PROJECT, APT WILL PROVIDE A COMPLIANCE MONITORING SUMMARY REPORT TO TARPON TOWERS AND ITS CONTRACTOR DOCUMENTING IMPLEMENTATION OF THE WETLAND PROTECTION PLAN AND APT'S MONITORING OBSERVATIONS. TARPON TOWERS SHALL PROVIDE A COPY OF THE COMPLIANCE MONITORING SUMMARY REPORT TO THE CONNECTICUT SITING COUNCIL FOR COMPLIANCE VERIFICATION.
- C. ANY INCIDENTS OF SEDIMENT RELEASE INTO WETLAND RESOURCE AREAS SHALL BE REPORTED BY TARPON TOWERS TO THE CONNECTICUT SITING COUNCIL WITHIN 24 HOURS OF THE INCIDENT.



TRENCH DETAIL
SCALE: 1"=1'-0"

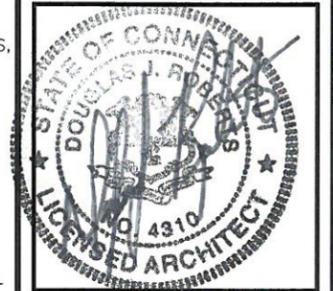
1
EN-1

TARPON TOWERS

TARPON TOWERS II, LLC
1001 3rd AVENUE WEST, SUITE 420
BRADENTON, FL 34205

A&E FIRM
AECOM

500 ENTERPRISE DRIVE
SUITE 3B
ROCKY HILL, CONNECTICUT
1-(860)-529-8882



CHECKED BY: DJR

APPROVED BY: ME

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
2	05/18/20	ISSUED FOR REVIEW	GAT
1	05/06/20	ISSUED FOR REVIEW	GAT
0	03/03/20	ISSUED FOR REVIEW	KAM

SITE NAME:

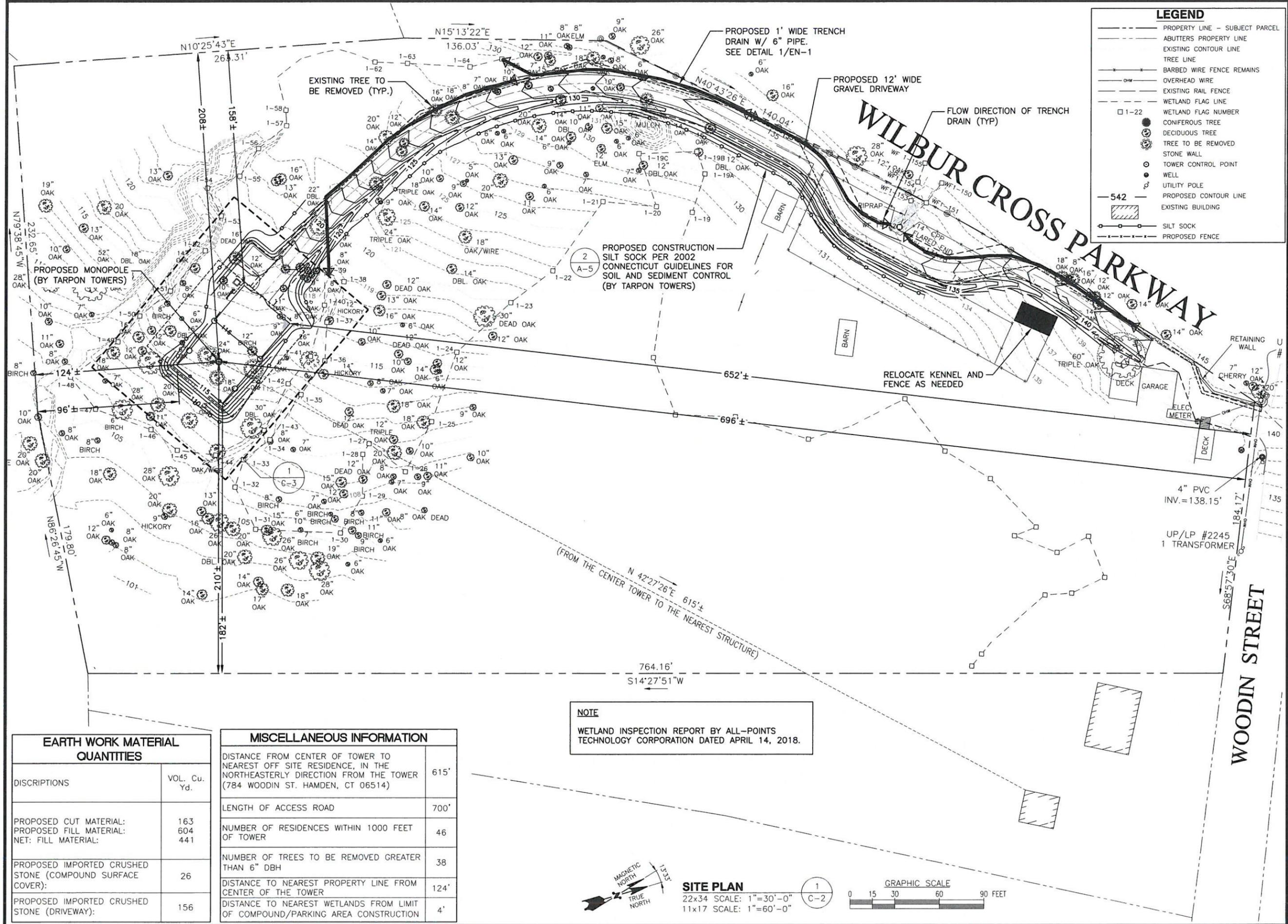
HAMDEN II

SITE ADDRESS:
796 WOODIN STREET
HAMDEN, CT 06514

SHEET TITLE
**ENVIRONMENTAL
NOTES**

SHEET NUMBER

EN-1



LEGEND

- PROPERTY LINE - SUBJECT PARCEL
- ABUTTERS PROPERTY LINE
- EXISTING CONTOUR LINE
- TREE LINE
- BARBED WIRE FENCE REMAINS
- OVERHEAD WIRE
- EXISTING RAIL FENCE
- WETLAND FLAG LINE
- 1-22 WETLAND FLAG NUMBER
- CONIFEROUS TREE
- DECIDUOUS TREE
- TREE TO BE REMOVED
- STONE WALL
- TOWER CONTROL POINT
- WELL
- UTILITY POLE
- PROPOSED CONTOUR LINE
- EXISTING BUILDING
- SILT SOCK
- PROPOSED FENCE

TARPON TOWERS

TARPON TOWERS II, LLC
 1001 3rd AVENUE WEST, SUITE 420
 BRADENTON, FL 34205

A&E FIRM
AECOM
 500 ENTERPRISE DRIVE
 SUITE 3B
 ROCKY HILL, CONNECTICUT
 1-(860)-529-8882

STATE OF CONNECTICUT
 DUGLAS J. ROBERTS
 No. 4310
 REGISTERED ARCHITECT

CHECKED BY: DJR
 APPROVED BY: ME

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
2	05/18/20	ISSUED FOR REVIEW	GAT
1	05/06/20	ISSUED FOR REVIEW	GAT
0	03/03/20	ISSUED FOR REVIEW	KAM

SITE NAME:
HAMDEN II

SITE ADDRESS:
 796 WOODIN STREET
 HAMDEN, CT 06514

SHEET TITLE
SITE PLAN

SHEET NUMBER
C-2

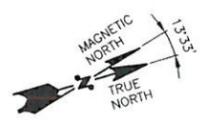
EARTH WORK MATERIAL QUANTITIES

DISCRIPTIONS	VOL. Cu. Yd.
PROPOSED CUT MATERIAL: PROPOSED FILL MATERIAL: NET: FILL MATERIAL:	163 604 441
PROPOSED IMPORTED CRUSHED STONE (COMPOUND SURFACE COVER):	26
PROPOSED IMPORTED CRUSHED STONE (DRIVEWAY):	156

MISCELLANEOUS INFORMATION

DISTANCE FROM CENTER OF TOWER TO NEAREST OFF SITE RESIDENCE, IN THE NORTHEASTERLY DIRECTION FROM THE TOWER (784 WOODIN ST. HAMDEN, CT 06514)	615'
LENGTH OF ACCESS ROAD	700'
NUMBER OF RESIDENCES WITHIN 1000 FEET OF TOWER	46
NUMBER OF TREES TO BE REMOVED GREATER THAN 6" DBH	38
DISTANCE TO NEAREST PROPERTY LINE FROM CENTER OF THE TOWER	124'
DISTANCE TO NEAREST WETLANDS FROM LIMIT OF COMPOUND/PARKING AREA CONSTRUCTION	4'

NOTE
 WETLAND INSPECTION REPORT BY ALL-POINTS TECHNOLOGY CORPORATION DATED APRIL 14, 2018.



SITE PLAN
 22x34 SCALE: 1"=30'-0"
 11x17 SCALE: 1"=60'-0"

