Transportation
Land Development
Environmental
Services

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January 19, 2007

*Vanasse Hangen Brustlin, Inc.*

Ref: 41240.19

Ms. Alexandria Carter
Verizon Wireless
99 East River Drive
East Hartford, Connecticut 06108

Re: Hartford North 2 CT - Wetland Inspection
811 Blue Hills Avenue
Bloomfield, CT

Dear Ms. Carter:

Vanasse Hangen Brustlin, Inc. (VHB) has completed on-site investigations to determine if wetlands and/or watercourses are located on the above-referenced Site. VHB has relied upon the accuracy of information provided by URS Corporation AES (refer to attached Compound Plan) regarding the proposed lease area, access road, and utility easement locations for identifying wetlands and watercourses within and proximate to said locations.

VHB understands that Verizon Wireless proposes to construct a wireless telecommunications facility west of the Blue Hills Volunteer Fire Department located at 811 Blue Hills Avenue in Bloomfield, Connecticut (the "Site"). The Site is developed with a fire station and generally consists of the station building and associated paved drive, dirt parking area, open field and forested upland areas behind (west) the fire station. Access to the Site will be via a proposed 12-foot access/utility easement from Edgewood Avenue. No wetlands or watercourses were identified (or delineated) on the Site or within 200 feet of proposed development activities. The nearest wetland/watercourse appears to be an unnamed intermittent watercourse located approximately 0.4 miles west of the Site. Soils classified in the vicinity of the proposed development are generally consistent with published data (attached) consisting of somewhat excessively drained and well drained soils classified as Udorthents-Urban land complex (soil symbol – 306) as well as moderately well drained Ludlow silt loam (40B) and well drained Wethersfield-Urban land complex (287B), which were not depicted on the published soil map in the vicinity of the proposed facility. Therefore, the proposed development will not directly or indirectly affect wetlands or watercourses.

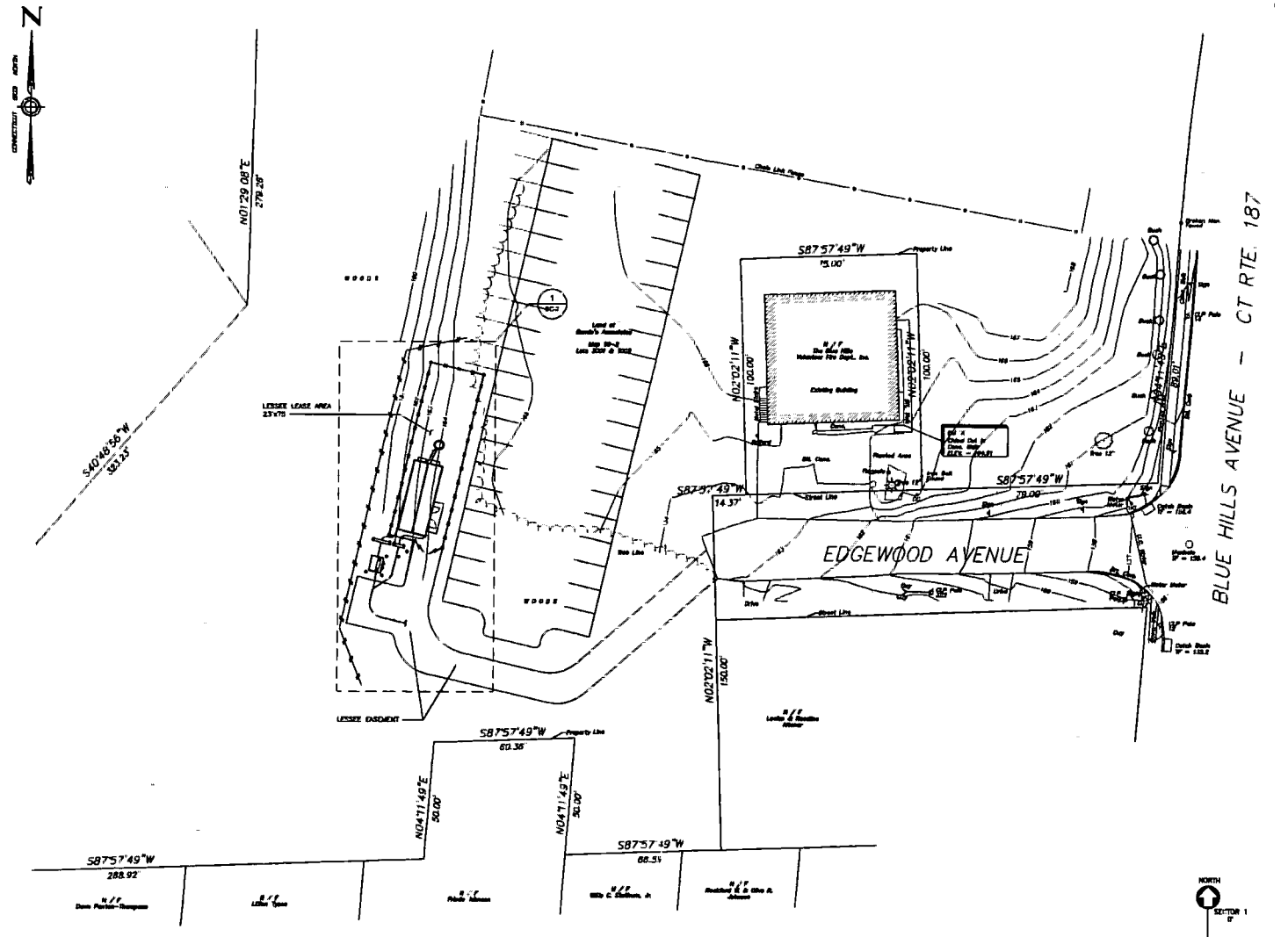
If you have any questions concerning this matter do not hesitate to call me.

Very truly yours,

VANASSE HANGEN BRUSTLIN, INC.

Dean Gustafson
Professional Soil Scientist
Enclosure

54 Tuttle Place
Middletown, Connecticut 06457-1847
**860.632.1500 ▪ FAX 860.632.7879**
email: info@vhb.com
www.vhb.com




1 SC-1 SITE PLAN
SCALE: 1"=60'-0"

ANTENNA ORIENTATION KEY

CELLCO PARTNERSHIP
DBA
verizon wireless

A&E FIRM
ABS CORPORATION ABS
795 BROOK STREET BLDG 5
ROCKY HILL, CONNECTICUT
1-(860)-529-8882

A&E SEAL

PROJECT NO: 38029023

JOB NO: VZ1-087

DRAWN BY: PD

CHECKED BY:

ISSUED FOR

| | |
|---|---|
| 10-13-06 | REVIEW |
| 11-29-06 | REVISED |



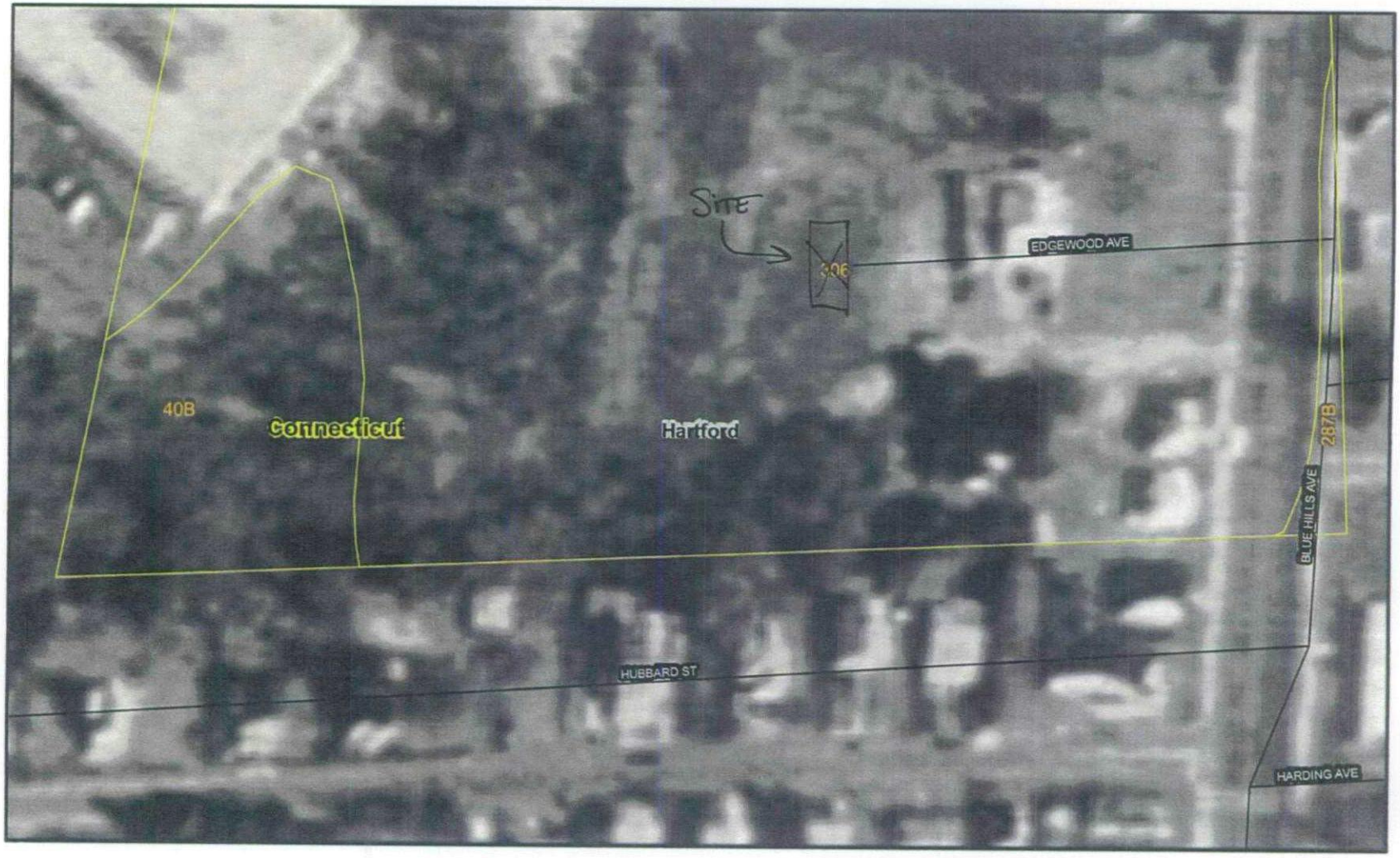
HARTFORD NORTH
2 CT

811 BLUE HILLS AVENUE
BLOOMFIELD, CONNECTICUT

SCALE: AS NOTED

SITE PLAN AND TOWER ELEVATION

SC-1




Meters
0 10 20 40

Feet
0 35 70 140 210 280

USDA Natural Resources Conservation Service

Web Soil Survey 1.1
National Cooperative Soil Survey

## MAP LEGEND

- Soil Map Units
- Cities
- Detailed Counties
- Detailed States
- Interstate Highways
- Roads
- Rails
- Water
- Hydrography
- Oceans
- Escarpment, bedrock
- Escarpment, non-bedrock
- Gulley
- Levee
- Slope
- Blowout
- Borrow Pit
- Clay Spot
- Depression, closed
- Eroded Spot
- Gravel Pit
- Gravelly Spot
- Gulley
- Lava Flow
- Landfill
- Marsh or Swamp
- Miscellaneous Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Slide or Slip
- Sinkhole
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Perennial Water
- Wet Spot

## MAP INFORMATION

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov

Coordinate System: UTM Zone 18

Soil Survey Area: State of Connecticut
Spatial Version of Data: 3
Soil Map Compilation Scale: 1:12000

Map comprised of aerial images photographed on these dates:
4/13/1992

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend Summary

State of Connecticut

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|---|---|---|---|
| 40B | Ludlow silt loam, 3 to 8 percent slopes | 0.8 | 11.5 |
| 287B | Wethersfield-Urban land complex, 3 to 8 percent slopes | 0.1 | 1.5 |
| 306 | Udorthents-Urban land complex | 5.9 | 87.1 |

# Map Unit Description (Brief)

State of Connecticut

[Only those map units that have entries for the selected non-technical description categories are included in this report]

Map Unit: 40B - Ludlow silt loam, 3 to 8 percent slopes

Description Category: SOI

Ludlow Silt Loam, 3 To 8 Percent Slopes
This map unit is in the Connecticut Valley Major Land Resource Area. The mean annual precipitation is 40 to 50 inches (1016 to 1270 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 80 percent Ludlow soils. 20 percent minor components.

Ludlow soils
This component occurs on upland drumlin and hill landforms. The parent material consists of lodgement till derived from sandstone, shale, and basalt. The slope ranges from 3 to 8 percent and the runoff class is medium. The depth to a restrictive feature is 20 to 40 inches to densic material. The drainage class is moderately well drained. The slowest permeability within 60 inches is about 0.00 in/hr (very slow), with about 4.8 inches (moderate) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is about 24 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 2e
Typical Profile:
0 to 8 inches, silt loam
8 to 20 inches; silt loam
20 to 26 inches, silt loam
26 to 65 inches; gravelly loam

Map Unit: 287B - Wethersfield-Urban land complex, 3 to 8 percent slopes

Description Category: SOI

Wethersfield-Urban Land Complex, 3 To 8 Percent Slopes
This map unit is in the Connecticut Valley Major Land Resource Area. The mean annual precipitation is 40 to 50 inches (1016 to 1270 millimeters) and the average annual air temperature is 45 to 52 degrees F. (7 to 11 degrees C.) This map unit is 40 percent Wethersfield soils, 35 percent Urban Land, 25 percent minor components

Wethersfield soils
This component occurs on upland hill and drumlin landforms. The parent material consists of lodgement till derived from basalt, sandstone, and shale. The slope ranges from 3 to 8 percent and the runoff class is medium. The depth to a restrictive feature is 20 to 40 inches to densic material. The drainage class is well drained. The slowest permeability within 60 inches is about 0.00 in/hr (very slow), with about 4.3 inches (moderate) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.5 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table, when present, is about 24 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 2e
Typical Profile:
0 to 3 inches; loam
3 to 13 inches; loam
13 to 27 inches, gravelly loam
27 to 65 inches; gravelly loam

Urban Land
Urban land is land mostly covered by streets, parking lots, buildings, and other structures of urban areas. The slope ranges from 3 to 8 percent and the runoff class is very high. The Nonirrigated Land Capability Class is 8

# Map Unit Description (Brief)

State of Connecticut

Map Unit: 306 - Udorthents-Urban land complex

Description Category: SOI

Udorthents-Urban Land Complex
This map unit is in the New England and Eastern New York Upland, Southern Part Connecticut Valley Major Land Resource Area. The mean annual precipitation is 32 to 50 inches (813 to 1270 millimeters) and the average annual air temperature is 45 to 55 degrees F. (7 to 13 degrees C.) This map unit is 50 percent Udorthents soils, 35 percent Urban Land, 15 percent minor components.

Udorthents soils
This component occurs on cut (road, railroad, etc.), railroad bed, road bed, spoil pile, urban land, fill, and spoil pile landforms. The slope ranges from 0 to 25 percent and the runoff class is medium. The depth to a restrictive feature varies, but is commonly greater than 60 inches. The drainage class is typically well drained. The slowest permeability within 60 inches is about 0.00 in/hr (very slow), with about 9.0 inches (high) available water capacity. The weighted average shrink-swell potential in 10 to 60 inches is about 1.4 LEP (low). The flooding frequency for this component is none. The ponding hazard is none. The minimum depth to a seasonal water table is greater than 60 inches. The maximum calcium carbonate within 40 inches is none. The maximum amount of salinity in any layer is about 0 mmhos/cm (nonsaline). The Nonirrigated Land Capability Class is 3e.
Typical Profile:
0 to 5 inches; loam
5 to 21 inches, gravelly loam
21 to 80 inches; very gravelly sandy loam

Urban Land
Urban land is land mostly covered by streets, parking lots, buildings, and other structures of urban areas. The slope ranges from 0 to 35 percent and the runoff class is very high. The Nonirrigated Land Capability Class is 8.