

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:

APPLICATION OF NEW CINGULAR
WIRELESS PCS, LLC (AT&T) FOR A
CERTIFICATE OF ENVIRONMENTAL
COMPATIBILITY AND PUBLIC NEED FOR
THE CONSTRUCTION, MAINTENANCE AND
OPERATION OF A TELECOMMUNICATIONS
TOWER FACILITY AT 8 BARNES ROAD IN
THE TOWN OF CANAAN (FALLS VILLAGE)

DOCKET NO. 409

May 20, 2011

RESPONSES TO SITING COUNCIL'S REQUEST FOR ADDITIONAL INFORMATION

Q1. AT&T agreed to provide an updated site search map (originally in the application behind Tab 2) to include Site #13, which had been left out.

A1. Included in Attachment 1 is an updated Site Search Summary Map which includes Site #13, 74 Sand Road.

Q2. AT&T agreed to analyze a two tower, or possible three tower, solution to provide coverage from north, south, and east from a radiofrequency perspective. This would move the proposed tower off of the proposed property that is part of what is locally referred to as Cobble Hill. Radiofrequency analysis should include a combination of tower heights up to a height of 190 feet above ground level.

A2. Due to the terrain in this area of Falls Village where service is needed, the multiple tower analysis requested by the Siting Council required review of the areas to the north of the proposed site and to the south of the proposed site. Properties to the north consist mostly of Nature Conservancy lands, open space parcels and a few large privately owned properties. Properties to the south include a few large privately owned parcels.

Radio frequency propagation analysis of the privately owned parcels to the north and south resulted in three sets of hypothetical two tower facility combinations. The three combinations include:

1. The Frueh Family Farm ("Frueh property") to the north with at 190' tower and a parcel owned by Dean to the south with a 147' tower;
2. The Frueh property to the north with a 190' tower and another parcel owned by Dean to the south with a 147' tower; and
3. The Frueh property to the north with a 190' tower and the Hodgkinson property to the south with a 147' tower.

None of these two tower combinations can provide comparable coverage to that of the proposed Facility. All two tower combinations result in gaps in reliable coverage at the intersection of Routes 7 and 126 and on Route 163 near Route 63. In addition, overall coverage is reduced on Undermountain Road and Barnes Road. As such, none of the two tower combinations would be considered a viable siting option by AT&T's radiofrequency engineers.

Importantly, the Frueh property is not available as the property owner is not interested in leasing space for a tower facility. AT&T's real estate consultants have contacted and communicated with the Frueh family directly and been advised of their lack of interest in hosting a tower facility. Since the Frueh property to the north is a critical part of any two tower combination and unavailable, no two tower solution is known by AT&T to be viable in this area of Falls Village.

In addition, it is respectfully submitted that a two tower combination in this area of the State would be inconsistent with the legislative findings set forth in the Public Utility Environmental Standards Act which states in relevant part that the proliferation of towers in the State should be avoided. Even if a two tower combination were acceptable for coverage purposes, AT&T's purposes and the communities, two towers would introduce new and greater areas of visibility as compared with the one as proposed by AT&T.

Given all of the foregoing, a two tower combination is not a viable alternative to the proposed Facility at Barnes Road and would be incompatible with the legislative purpose of balancing the public need and environmental impacts when siting wireless telecommunication facilities.

Q3. If Under Mountain Road cannot be covered by a new two tower solution, would AT&T go forward with that two tower solution and provide coverage limited to other roads?

A3. Please see response no. 2 above regarding the lack of a two tower solution.

Q4. Was the area of visibility found on South Canaan Meeting House property information provided to State Historic Preservation Office?

A4. Yes.

Q5. AT&T agreed to provide a visibility map/analysis extending beyond 2 miles, including but not limited to sensitive areas such as the Appalachian Trail, Bear Mountain, Mount Everett, State Parks in the area, and the Mohawk Trail on Barrack Mountain.

A5. Please see the report prepared by VHB included in Attachment 2 regarding visibility beyond the two-mile study area.

Q6. Is there a Town Scenic road Ordinance? If so, provide the names of the roads that are designated as scenic by the Town of Canaan?

A6. Please see the report prepared by VHB included in Attachment 2 regarding scenic road designations.

Q7. Is there a Town of Canaan historic district? If so, what are its boundaries?

A7. There are no local historic districts established within the Town of Canaan. Please see VHB's report included in Attachment 2.

Q8. What height would the tower have to be to provide adequate coverage from the originally proposed site (approx. 1200 to 1300 feet west)?

A8. The original location identified on the subject site was approximately 1,200 to the east and south of the location proposed in AT&T's Application to the Siting Council. The location was moved in consultation with the property owner so that AT&T could provide coverage to areas and roads that would not be provided reliable coverage from the original location. At the original location, a tower in excess of 500' would be required to provide similar coverage to that of the proposed site location on the same parcel.

Q9. Does AT&T agree with Inland Wetland/Conservation filing saying that drainage from the road/site would flow in a westerly direction off a cliff? Where does the water end up? Does it go through Robbins Swamp or beside it? Is Robbins Swamp part of the Hollenbeck Watershed? What happens to the Hollenbeck before it reaches the Housatonic and where does it reach Housatonic? (Please refer to the 3:00 p.m., February 17, 2011 transcript, p. 61)

A9. Please see AT&T's Exhibit 1, Attachment 5, which includes an Access Road Drainage Calculation Report confirming that the design of all drainage improvements complies with the criteria specified in the ConnDOT Drainage Manual. As indicated in that report, design points C, D, E, F, G and H discharge to the west. The discharge from these points will flow to the west and begin infiltrating. Any water that does not infiltrate will be collected in the existing swale on the eastern side of Route 63 located approximately 350' to 500' away.

Q10. How is a state scenic highway designated and what does it mean?

A10. Please see the report prepared by VHB included in Attachment 2 regarding scenic road designations.

Q11. What is the nearest important bird area to the proposed site? Are there any important bird areas on or surrounding Cobble Hill?

A11. The nearest Audubon Connecticut designated Important Bird Area is an Important Bird Site identified as Great Mountain Forest located along the Canaan and Norfolk municipal boundary approximately four miles east of the proposed Site as shown in the Avian Resource Map included in Attachment 3. Cobble Hill is not identified as an Important Bird Area or Site by Audubon Connecticut.

Q12. Provide an analysis of potential runoff from the proposed facility. Provide mitigation measures to minimize runoff from impervious areas within the proposed compound. (Please refer to the 7:00 p.m., February 17, 2011 transcript, p. 61)

A12. Please see AT&T's Exhibit 1, Attachment 5, Access Road Drainage Calculations Report for an analysis of runoff from the proposed Facility and confirmation that the design of all drainage improvements complies with the criteria specified in the ConnDOT Drainage Manual. To minimize runoff from impervious areas, swales are incorporated into the design to 1) collect runoff from surrounding drainage areas before it reaches the access road and compound and 2) collect runoff generated on the access road and compound. The swales are designed to direct runoff to an appropriate discharge location where sheet flow and infiltration can be promoted.

Q13. Behind Tab 5 of the application, please explain the discrepancy between the table that refers to the Outfall point of Swale A2 is Culvert A and the plans that show the outfall of Swale A2 is a check dam and a larger outfall area. (Please refer to the 7:00 p.m., February 17, 2011 transcript, p.57)

A13. As noted at the February 17th hearing (7:00 p.m., February 17, 2011 transcript, p. 62), the "Culvert A" label in the table included in the drainage calculations in Attachment 5 of AT&T's Application is a typographical error. The label should be "Swale A2".

Q14. How would emergency vehicles get to the proposed site in the event of an emergency situation? (Please refer to the 7:00 p.m., February 17, 2011 transcript, p. 115).

A14. Access drives for wireless facility sites are designed for construction and limited access for maintenance of the unmanned public utility facility and built for emergency purposes that reflect the fact that tower sites are unoccupied and do not present significant safety risks for emergency purposes. Indeed, many wireless facility sites in remote areas do not have improved access drives. As indicated at the hearing, if necessary for remote sites, technicians will hike to the facility for maintenance.

While AT&T seeks to access drives in accordance with local guidelines, they are generally not applicable given the unoccupied use of cell tower sites. It should be noted that the access drive for AT&T's approved Woodbridge facility (Docket No. 388) has similar road grades to the grades of the proposed access drive.

In addition AT&T submits that its proposed access drives are significantly overbuilt in relation to other utility infrastructure including high power tension lines that often have no access drives along the right of way.

AT&T SUPPLEMENTAL INFORMATION

AT&T submits the following supplemental information:

- I. Revised Access Drive Design: Included in Attachment 4 annexed hereto are drawings and information depicting a revised design for the proposed access drive, which will be approximately 3,080' in length. Sheet number C02D in Attachment 4 includes the required cut and fill for the proposed Facility (370 CY cut and 4,200 CY

fill). Also, as indicated in the CHA letter in Attachment 4, the number of trees with a diameter at breast height of 6" or larger that will be removed is reduced to 110 (from 127) for the revised access drive design.

- II. Alternative Tower Designs: The report prepared by VHB provided in Attachment 1 includes an analysis and photosimulations of various tower designs for the proposed Facility. The tower designs evaluated include a monopole, a monopine, a lookout/fire tower and a flush-mounted antenna monopole.
- III. Corrected Photosimulation Label: As noted at the February 17th hearing, AT&T's Exhibit 2, "Leaf-off" Visual Resource Evaluation, included the same photograph and simulation in two consecutive views. As noted in the report in Attachment 1 annexed hereto, this mislabeling does not substantively impact the conclusions presented in the analysis. Revised versions of these photosimulations are provided in Attachment 2.
- IV. Visibility From Route 7: Included in the report by VHB in Attachment 2 is an analysis of the visibility of the proposed Facility from Route 7.
- V. Local Zoning for Cobble Hill: While "Cobble Hill" is referenced in various planning literature locally, AT&T has been unable to find in the Town's Plan of Conservation and Development or other officially adopted regulations, any actual and specific plan for the Town to acquire Cobble Hill as open space and preclude it from development. Rather the property is identified on the Town's zoning map as being located in a steep slope overlay zone which notes in part that "it is not the intent of this Section to prohibit or preclude development in designated areas." Section 4.3.A of the Zoning Regulations. In addition to allowing towers on this property, local zoning regulations would also allow principally or by special permit the following land uses subject to additional controls to balance development in steep slope areas:

Farming, Single Family, Multiple detached single family, kennel, veterinary hospital, commercial stable, municipal buildings and uses, schools, religious institutions among other land uses. Sections 4.3.D-E and 2.2 of the Zoning Regulations.

In relation to an unoccupied tower site and the limited access required, AT&T respectfully submits that its proposed development would have lesser environmental impacts associated with the development of other uses allowed for the property given the lack of human occupancy, the lack of sanitary facilities, and the greater road design standards that would be required for development associated with these other uses that involve human occupancies.

- VI. Recent U.S. Leadership, Policy & Statistics Supporting Public Need:

President Obama, State of the Union Address, January 25, 2011, *Congressional Hearing Record*, H460:

“Within the next 5 years, we will make it possible for businesses to deploy the next generation of high-speed wireless coverage to 98 percent of all Americans. This isn’t just about faster Internet or fewer dropped calls. It’s about connecting every part of America to the digital age. It’s about a rural community in Iowa or Alabama where farmers and small business owners will be able to sell their products all over the world. It’s about a firefighter who can download the design of a burning building onto a handheld device, a student who can take classes with a digital textbook, or a patient who can have face-to-face video chats with her doctor.”

U.S. DOHHS, April 20, 2011, *Wireless Substitution: State-level estimates from the National Health Interview Survey, January 2007 – June 2010*:

“As of the first half of 2010, more than one in four American households (26.6%) had only wireless telephones – an eightfold increase over just 6 years.” The prevalence of wireless-only households in Connecticut lags the rest of the Country while still growing from 5.6% to 13.6% over that same time period.

CERTIFICATE OF SERVICE

I hereby certify that on this day, a copy of the foregoing was sent electronically and by overnight delivery to the Connecticut Siting Council with copy to:

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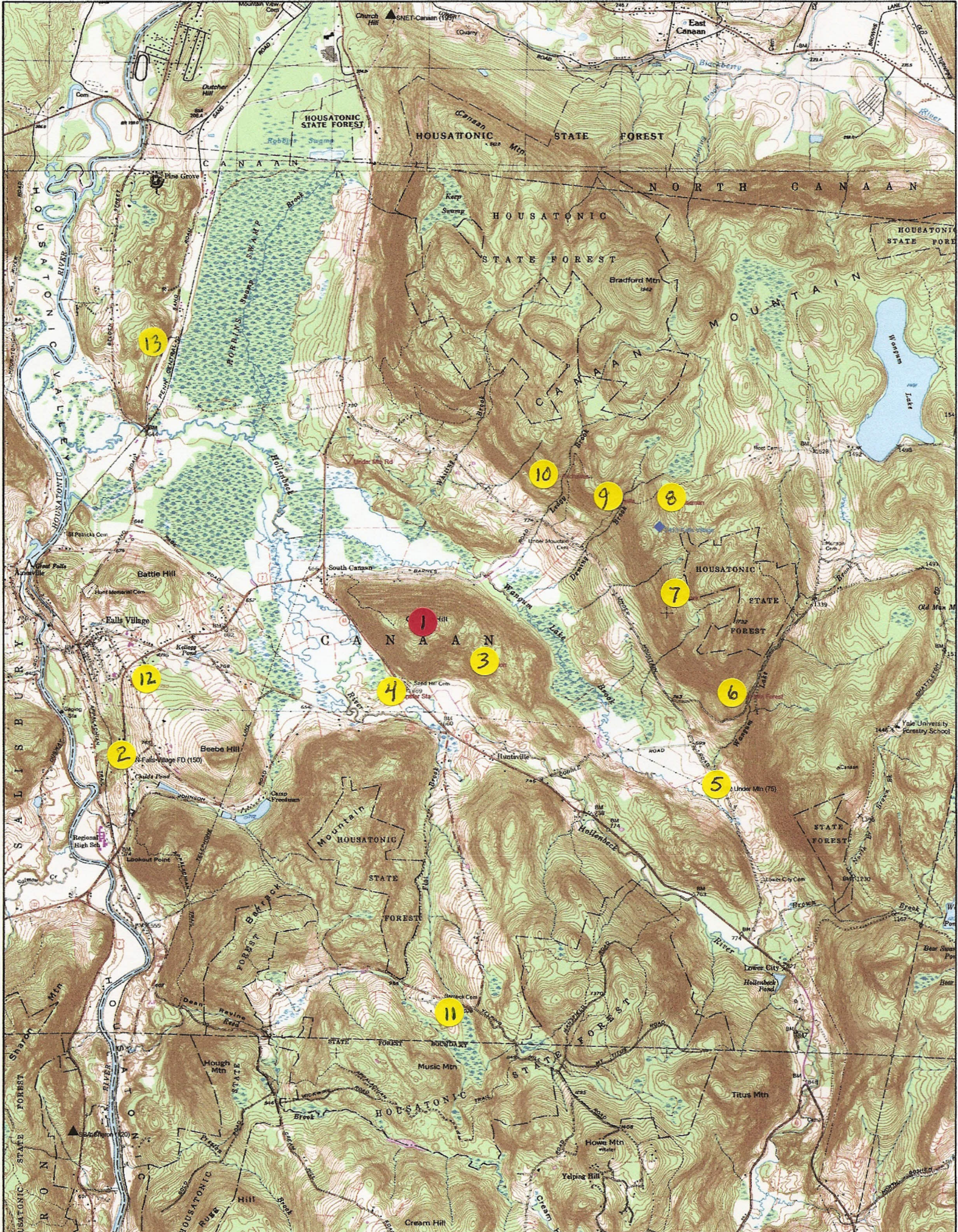
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Dated: May 20, 2011


Lucia Chiochio

cc: Michele Briggs, AT&T
David Vivian, SAI
Anthony Wells, C Squared
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ATTACHMENT 1



ATTACHMENT 2



Vanasse Hangen Brustlin, Inc.

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Memorandum

To: Lucia Chiochio, Esq.
CUDDY &
FEDER LLP
ATTORNEYS AT LAW
445 Hamilton Avenue, 14th Floor
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Date: May 12, 2011

Project 41502.06
No.:

From: Vanasse Hangen Brustlin, Inc.

Re: Docket No. 409 - Falls Village
8 Barnes Road
Canaan, Connecticut
Additional Information/Follow-Up Items
From February 17, 2011 Connecticut Siting
Council Hearing

During the February 17, 2011 Connecticut Siting Council ("Council") hearing for the above referenced, proposed wireless telecommunications facility ("Facility"), several items were discussed that required additional information and/or further review by various members of AT&T's project team. This memo is intended to address several of those items in advance of the next hearing (date to be determined).

Features Beyond VHB's Two-Mile Study Area

As part of their pre-filed written testimony several of the intervenor's involved with this docket have indicated that it is their opinion that the two-mile radius study area utilized in VHB's Visual Resource Evaluation Report should be expanded to include potential visibility from more distant locations of recreational interest. This issue was subsequently raised by members of the Council at the February 17th hearing specifically with respect to the Appalachian Trail, Bear Mountain, Mount Everett and the Mohawk Trail. VHB evaluated the likelihood of potential direct line of sight views from these locations. Many of these features are located well beyond five miles from the proposed Facility, with some being located in excess of ten miles away. VHB's experience is that the visual intensity (i.e. its prominence on the visual landscape) of a typical telecommunications tower is substantially diminished when viewed at distances beyond two miles. That is not to say that such a structure is not discernable at these distances, but its presence tends to be relatively unobtrusive. In general, given the distance and adjacent/surrounding land uses that impart a particular visual context, which in this case, at least from some observation points, includes other telecommunications facilities and various utility infrastructure, it is unlikely that such views could reasonably be characterized as having a direct visual impact. Further, at distances approaching and beyond five miles, a telecommunications tower may not be discernable by the unaided human eye in most cases. This is certainly true with distances approaching ten miles or more, even on the clearest day in Connecticut. Figure 1 (attached) depicts the location of twelve prominent vistas/peaks as well as portions of both the Appalachian National Scenic Trail and

Mohawk Trail, part of the Connecticut Blue Blaze trail system. Provided below is a brief description of these areas and a general assessment of potential views associated with the proposed Facility, taking into account their location relative to the proposed monopole as well as the intervening topography and vegetation.

- **Bear Mountain** – At approximately 2,316 feet above mean sea level (AMSL) Bear Mountain is the tallest peak in Connecticut. The Appalachian Trail traverses Bear Mountain and 360 degree views can be achieved from a stone pile located at its summit. However, this vista is located nearly nine miles to the north of the proposed Facility which would preclude potential views with the naked eye.
- **Bread Loaf Mountain** – Bread Loaf mountain, a prominent peak along the Mohawk Trail, rises to approximately 1,024 feet AMSL and is located roughly 9.67-miles to the southwest of the proposed Facility. The summit affords limited views in the general direction of the proposed Facility, but given the distance and intervening topography, potential views would not be achieved from this location.
- **Dennis Hill State Park** – Accessible via a paved road, the 1,630-foot summit of Dennis Hill State Park offers 360 degree views. Potential views from this area are unlikely given the distance from the proposed Facility (nearly seven miles to the east) and the intervening topography.
- **Haystack Mountain State Park** – An observation tower located at the summit of Haystack Mountain (\pm 1,650 feet AMSL) provides 360 degree views. Views to the west and southwest (looking towards the proposed Facility) are somewhat limited in comparison to views looking to the east and northeast by a combination of intervening topographic features and existing vegetation. The observation tower is also located nearly seven miles from the proposed Facility. No views of the proposed facility are anticipated from this location.
- **Lion's Head** – Lion's Head, situated at approximately 1,738 feet AMSL, is an exposed rock outcropping along the Appalachian Trail that primarily affords views to the south/southwest. Lion's Head is located nearly seven miles to the northwest of the proposed Facility, therefore making views with the naked eye highly unlikely. As depicted on Figure 1, an existing wireless telecommunications tower is located roughly 0.50-mile to the southeast of Lion's Head. The existing Facility is visible from portions of the Lion's Head outlook.
- **Lookout Point** – Located to the southwest of the proposed Facility at approximately 1,182 feet AMSL, lookout point is an open vista along the Mohawk Trail. Views from this location are oriented to the south/southeast, away from the proposed Facility. As such, no views are anticipated from the outlook. Views of the proposed Facility (located just over two miles away) from adjacent portions of the Mohawk Trail would be screened by existing vegetation, even during "leaf-off" conditions.
- **Mohawk Mountain** – The 1,683-foot summit of Mohawk Mountain, reachable via a paved roadway and/or several hiking trails, is currently developed with several telecommunications facilities. The open summit, which is located nearly ten miles to the southeast of the proposed Facility offers 360 degree views. No views of the proposed Facility are anticipated from this location given the distance between these two points.
- **Mount Everett** – A prominent peak along the Appalachian Trail in southern Massachusetts, Mount Everett rises to just over 2,600 feet AMSL and affords extensive views from its exposed summit. However, this vista is located over eleven miles to the northwest of the proposed Facility. As such, views with naked eye are not anticipated.

- **Mount Frissel** - Located just over ten miles away from the proposed Facility, Mount Frissel is Connecticut's highest point at approximately 2,453 feet AMSL. Although extensive views to the east and southeast can be achieved from this location, views of the proposed Facility from Mount Frissel would be interceded by several neighboring peaks including Round Mountain and Gridley Mountain to the southeast. Moreover, given the significant distance between Mount Frissel and the proposed Facility, potential views would not be possible with the unaided human eye.
- **Mount Race** - Located over ten miles to the northwest of the proposed Facility, the summit of Mount Race reaches roughly 2,365 feet AMSL and affords extensive views to the south, east and north. The Appalachian Trail traverses the summit of Mount Race. No views of the proposed Facility are anticipated from this vista given its distance from the proposed Facility.
- **Pine Knob Loop** - This vista, reached via a combination of the Appalachian Trail and Pine Knob Loop Trail is located approximately 8.42 miles to the southwest of the proposed Facility. Boasting an elevation of 1,120 feet AMSL, extensive views to the east can be achieved from this exposed outcropping. Given its distance from the proposed Facility, intervening topography and the orientation of the views from Pine Knob, the proposed monopole structure will not be visible from this location.
- **Sharon Mountain** - The Appalachian Trail traverses portions of Sharon Mountain which is located roughly 3.85 miles to the southwest of the proposed Facility. This segment of the trail is generally heavily wooded, but does offer limited, seasonal views to the northeast from select locations. Potential views of the proposed Facility would be obstructed by both existing vegetation and intervening topography, particularly given the distance from the proposed Facility at nearly four miles.

Alternative Tower Configurations

During the February 17th Connecticut Siting Council hearing, VHB was also asked to generate photographic simulations from select locations depicting various stealthing options for the proposed Facility. As such, simulations were created for View 2, View 10 and View 21 from VHB's Visual Evaluation Report, located behind Tab 6 of AT&T's application document (Exhibit 1), and View 3 taken from VHB's supplemental "leaf-off" visual evaluation which was conducted in December of 2010 (Pre-Filed Submissions - 01/11/11). The simulations depict a monopole, as is currently being proposed; monopine where the proposed Facility would be constructed to resemble an evergreen tree; a stealth lookout/fire tower where the associated telecommunications antennas would be housed within an enclosed structure atop a self-support lattice tower and a flush-mounted monopole where the proposed antennas are mounted close to the tower structure instead of a separate antenna platform. The photographic simulations are attached hereto. Based on a review of the attached simulations, it is VHB's opinion that the installation of a stealth monopine at the proposed Facility would not be an appropriate application of this camouflaging technique. Given the height of the proposed Facility (150 feet AGL), a significant portion of the tower structure would be seen above the surrounding tree canopy from a number of locations within the Study Area (a two-mile radius surrounding the proposed Facility) where year-round views are anticipated. In addition, a monopine type tower presents a more substantial silhouette in comparison to a traditional monopole and/or a flush-mounted monopole, as evidenced by the attached photographic simulations. This would also be true of the stealth lookout/fire tower given the overall height above the surrounding tree canopy and size of the enclosed structure. Therefore, either a traditional monopole or flush-mounted monopole would be preferable.

Mislabeled Photographic Simulations

It was brought to VHB's attention through pre-filed testimony and at the February 17th Connecticut Siting Council hearing that our December 17, 2010 supplemental, "leaf-off" visual evaluation depicts the same photograph and simulation in two consecutive views, Views 11 and 12. While VHB acknowledges and has subsequently corrected this error, it is important to note that it does not substantively impact the overall conclusions presented in the supplemental analysis. Revised versions of these two photographic simulations are provided as an attachment to this memo.

Response to Exhibit IW 26 - Visibility from the South Canaan Meeting House

In order to further assess potential visibility during "leaf-off" conditions VHB conducted a publically-noticed balloon float on November 12, 2010. Additional photographs and simulations from the November 2010 balloon float were presented as part of a supplemental, "leaf-off" visual analysis (Pre-Filed Submissions - 01/11/11). The supplemental analysis includes a total of eight photographs taken on or immediately adjacent to the South Canaan Meeting House property. During the November 12th balloon float, VHB identified a small area of year-round visibility limited to the rear portion of the South Canaan Meeting House parcel, approximately 100 feet to the west of the church building. As one walks in an easterly direction from the western property boundary (where views of the upper portion of the proposed monopole are anticipated), views of the proposed Facility would become obstructed by a combination of the intervening topography and existing vegetation that stands between the South Canaan Meeting House property and proposed project area. Photographs of the balloon and corresponding photographic simulations from these areas were provided as part of the supplemental analysis. No views of the proposed Facility are anticipated from portions of the property that abut Route 63, as was indicated in VHB's Visual Resource Evaluation Report (Tab 6) and in the supplemental, "leaf-off" visual evaluation.

Visibility From Residential Properties Along Route 7

VHB's Visual Resource Evaluation Report (Exhibit 1, Tab 6) indicates that potential views of the proposed Facility may be achieved from select portions of the Route 7 transportation corridor. Year-round visibility is depicted on the viewshed map contained in Attachment B of the report document which also includes a total of six photographs taken from Route 7 during VHB's June 30, 2010 balloon float. As evidenced by these photographs, views of the proposed Facility are expected to be most prominent along the segment of Route 7 that abuts the Robbins Swamp Wildlife Management Area with intermittent areas of visibility along additional portions of the roadway located between Page Road and Under Mountain Road. Land use along this segment of Route is mainly comprised of open space associated with Robbins Swamp Wildlife Management Area; several commercial land uses including the Citgo gas station/deli at the intersection of Routes 7 and 63 and an adjacent antiques shop; and agricultural open/ undeveloped fields. Residential development along this segment of Route 7 is relatively sparse. Although potential views may extend to portions of open agricultural fields associated with residential properties, VHB does not necessarily consider this a direct visual impact to dwellings or immediately adjacent lawn areas.

State Scenic Road Designation

The segment of Route 7 that traverses the Town of Canaan (including Falls Village) is designated as a state scenic road. Connecticut Gen. Stat. Sec. 13b-31c-1 defines a scenic road as the following:

- (e) "Scenic Road" means any state highway or portion thereof that (1) passes through agricultural land or abuts land on which is located an historic buildings or structure listed on the National Register of Historic Places or the state register of historic places, compiled

pursuant to section 10-321 of the general statutes, or (2) affords vistas of marshes, shoreline, forests with mature trees or notable geological or other natural features.

Moreover, according to the Connecticut Department of Transportation (ConnDOT):

A potential state scenic highway must abut significant natural or cultural features such as agricultural land or historic buildings and structures which are listed on the National or State Register of Historic Places, or afford vistas of marshes, shoreline, forests with mature trees, or other notable natural or geologic feature which singularly or in combination set the highway apart from other state highways as being distinct. The Highway shall have a minimum length of one (1) mile and shall abut development which is compatible with its surroundings. Such development must not detract from the scenic or natural character or visual qualities of the highway area.

(<http://www.ct.gov/dot/cwp/view.asp?a=2094&q=305520>)

A request for state scenic highway designation from any agency, municipality, group or individual can be sent to the Commissioner of the Department of Transportation. The applicant is required to prepare a report which identifies the particular segments of a roadway where the scenic designation is being sought; a description of natural and cultural resources and features of scenic interest; a description of existing land use; representative photographs; and a list of properties on the National or State Register of Historic Places. This information will then be evaluated by the Scenic Road Advisory Committee.

The Scenic Road Advisory Committee is also tasked with evaluating potential impacts to state designated highways and can issue either a "No adverse effect" or "Adverse effect" based on Connecticut Gen. Stat. Sec. 13b-31e-1. However, this review capacity is limited to potential roadway improvement projects initiated by the Department of Transportation, such as widening and/or changes to the existing alignment, and does not include an evaluation of potential development projects located adjacent to a scenic road.

Town of Canaan Historic District

The Canaan Town Clerk's office was contacted by VHB on May 12, 2011 and it was determined that there are no local historic districts established within the Town of Canaan. This was also supported by additional research conducted by VHB regarding potential town historic districts in Canaan.

Town of Canaan Scenic Road Ordinance

The Canaan Town Clerk's office was contacted by VHB on May 12, 2011 and it was determined that the Town of Canaan does not currently have a scenic road ordinance in place.

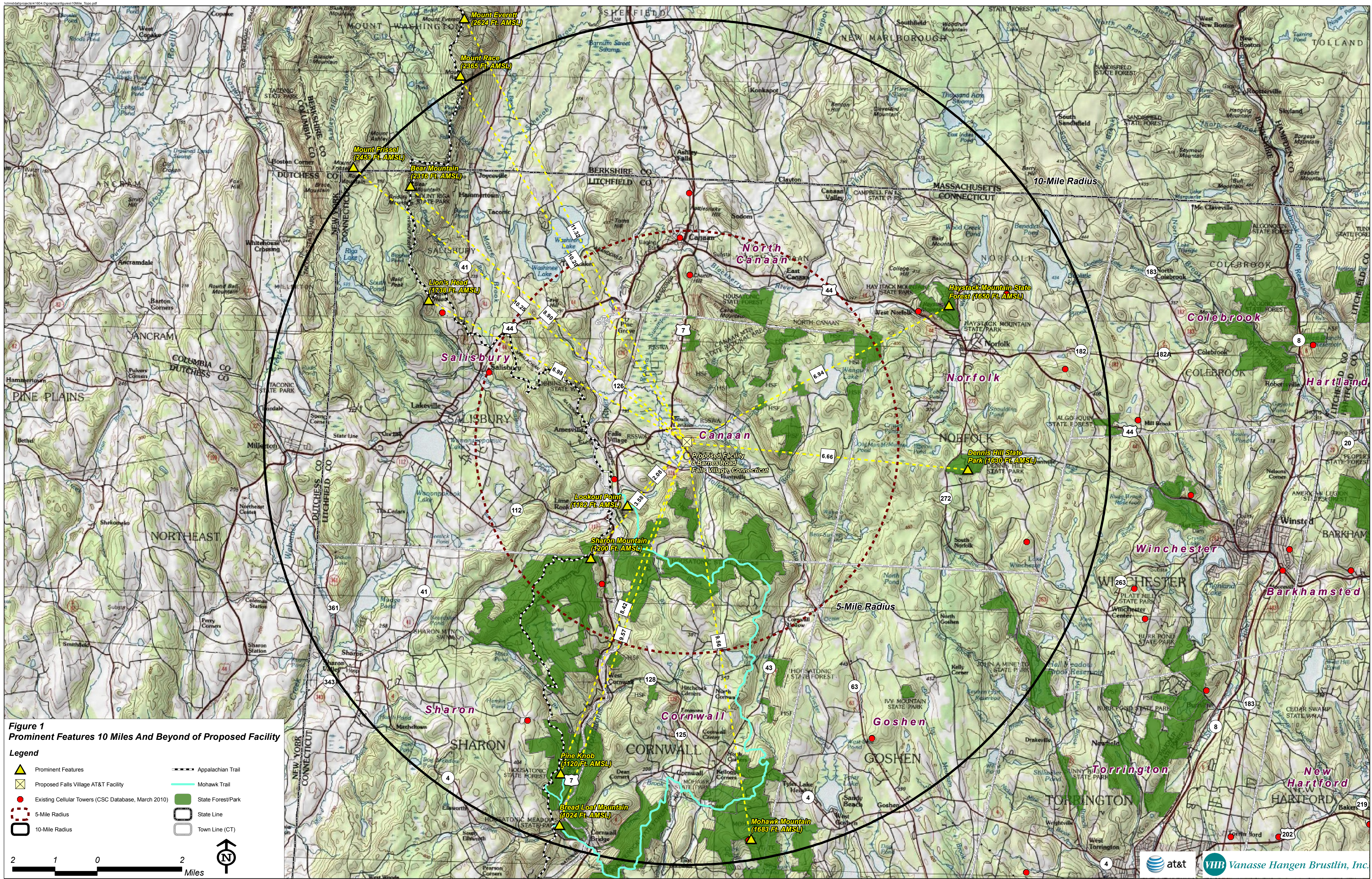


Figure 1
Prominent Features 10 Miles And Beyond of Proposed Facility

Legend

	Prominent Features		Appalachian Trail
	Proposed Falls Village AT&T Facility		Mohawk Trail
	Existing Cellular Towers (CSC Database, March 2010)		State Forest/Park
	5-Mile Radius		State Line
	10-Mile Radius		Town Line (CT)

2 1 0 2 Miles

PHOTOGRAPHIC DOCUMENTATION



ct:\mdda\41502.06\graphics\FIGURES\41502.06_PHOTOSIM_12-10.indd

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
11	ROUTE 126	NORTHEAST	0.92 MILE +/-	LEAF-OFF

PHOTOGRAPHIC SIMULATION



ctm\tdat\41502.06\graphics\FIGURES\41502.06_PHOTOSIM_L_12-10.indd

VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
11	ROUTE 126	NORTHEAST	0.92 MILE +/-	LEAF-OFF

PHOTOGRAPHIC DOCUMENTATION



VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
12	ROUTE 126	NORTHWEST	0.63 MILE +/-	SEASONAL

PHOTOGRAPHIC SIMULATION



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VIEW	LOCATION	ORIENTATION	DISTANCE TO SITE	VISIBILITY
12	ROUTE 126	NORTHWEST	0.63 MILE +/-	SEASONAL

ATTACHMENT 3

Avian Resources Map

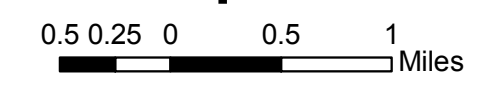
Proposed AT&T
 Wireless Telecommunications Facility
 Falls Village
 8 Barnes Road, Canaan, Connecticut

Legend

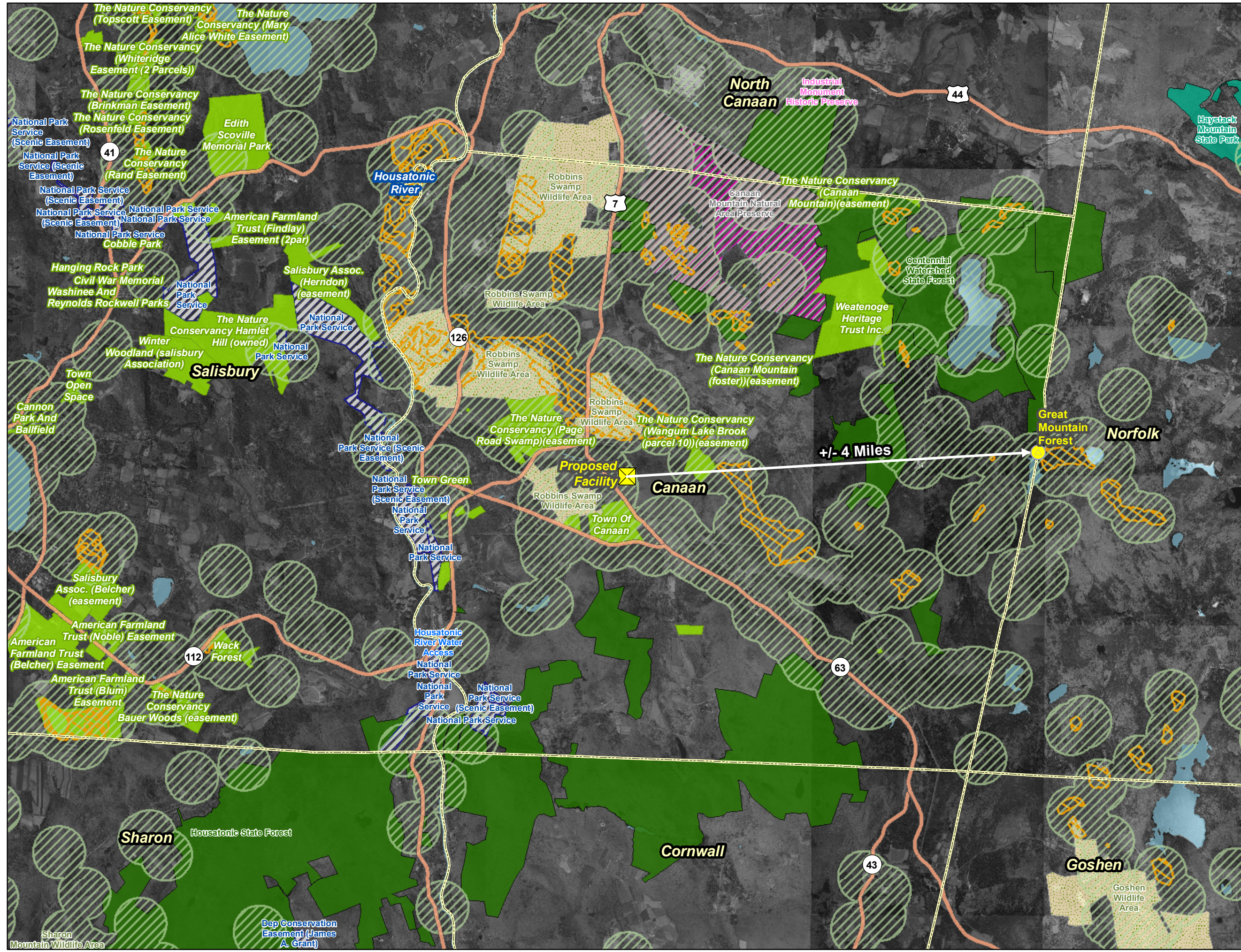
- Proposed Facility
- Bald Eagle Site
- Hawk Watch Site
- Important Bird Site
- Bat Site
- Breeding Bird Survey Route
- Natural Diversity Database (CTDEP, 12/2010)
- Critical Habitat (CTDEP, 07/2009)*
- Migratory Waterfowl (CTDEP, 1999)
- Important Bird Area
- Preserved Open Space (CTDEP, 1997)
- Federal Open Space (CTDEP, 2004)
- CT DEP Property (CT DEP, 12/2010)**
- State Forest
- State Park
- DEP Owned Waterbody
- State Park Scenic Reserve
- Historic Preserve
- Natural Area Preserve
- Fish Hatchery
- Flood Control
- Other
- State Park Trail
- Water Access
- Wildlife Area
- Wildlife Sanctuary
- Open Water
- Town Boundary

Bird Data Sources:
 Bald Eagle Sites: U.S. Geological Survey, National Biological Information Infrastructure, 2008, Midwinter Bald Eagle Counts, 1986-2005 (update 2008).
 Hawk Watch Sites: Hawk Migration Association of North America (HMANA), Hawk Count website: <http://hawkcount.org/sitesel.php?country=USA&stateprov=Connecticut>
 Migratory Waterfowl: CTDEP GIS, 1999
 Important Bird Sites/Areas: National Audubon Society, Audubon Connecticut
http://ct.audubon.org/BirdSci_IBAs.html
 Breeding Bird Survey Routes: Patuxent Wildlife Research Center of the U.S. Geological Survey and the Canadian Wildlife Service's National Wildlife Research Centre
<http://www.nationalatlas.gov/mid/bbsrsl.html>

Base Map Source: 2004 aerial photograph with 0.5-foot resolution.



VHB Vanasse Hangen Brustlin, Inc.



+/- 4 Miles

ATTACHMENT 4



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067



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CHA PROJECT NO:
18301 - 1026 - 43000

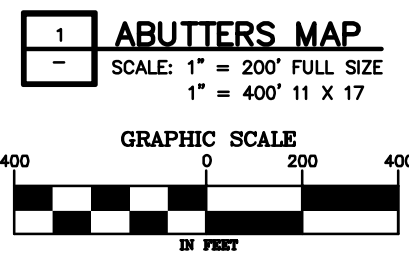
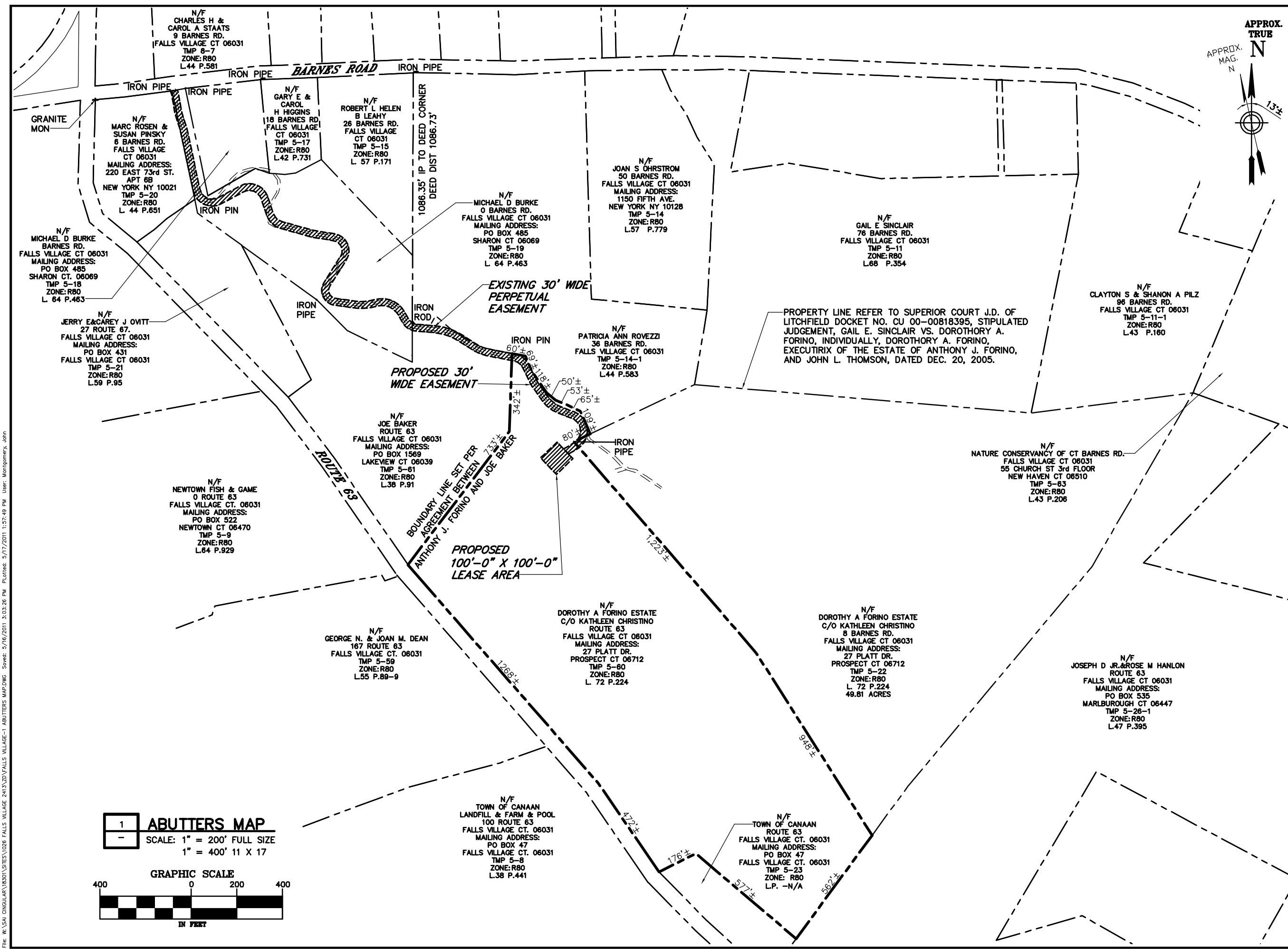
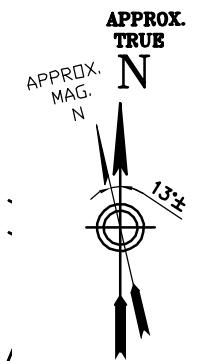
NO.	DATE	DESCRIPTION
0	05/17/11	ISSUED FOR CSC CERTIFICATE
	BY: JDM	CHK: PAL APP'D: JFS

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TO ALTER THIS DOCUMENT.

SITE ID:
SR2413
SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

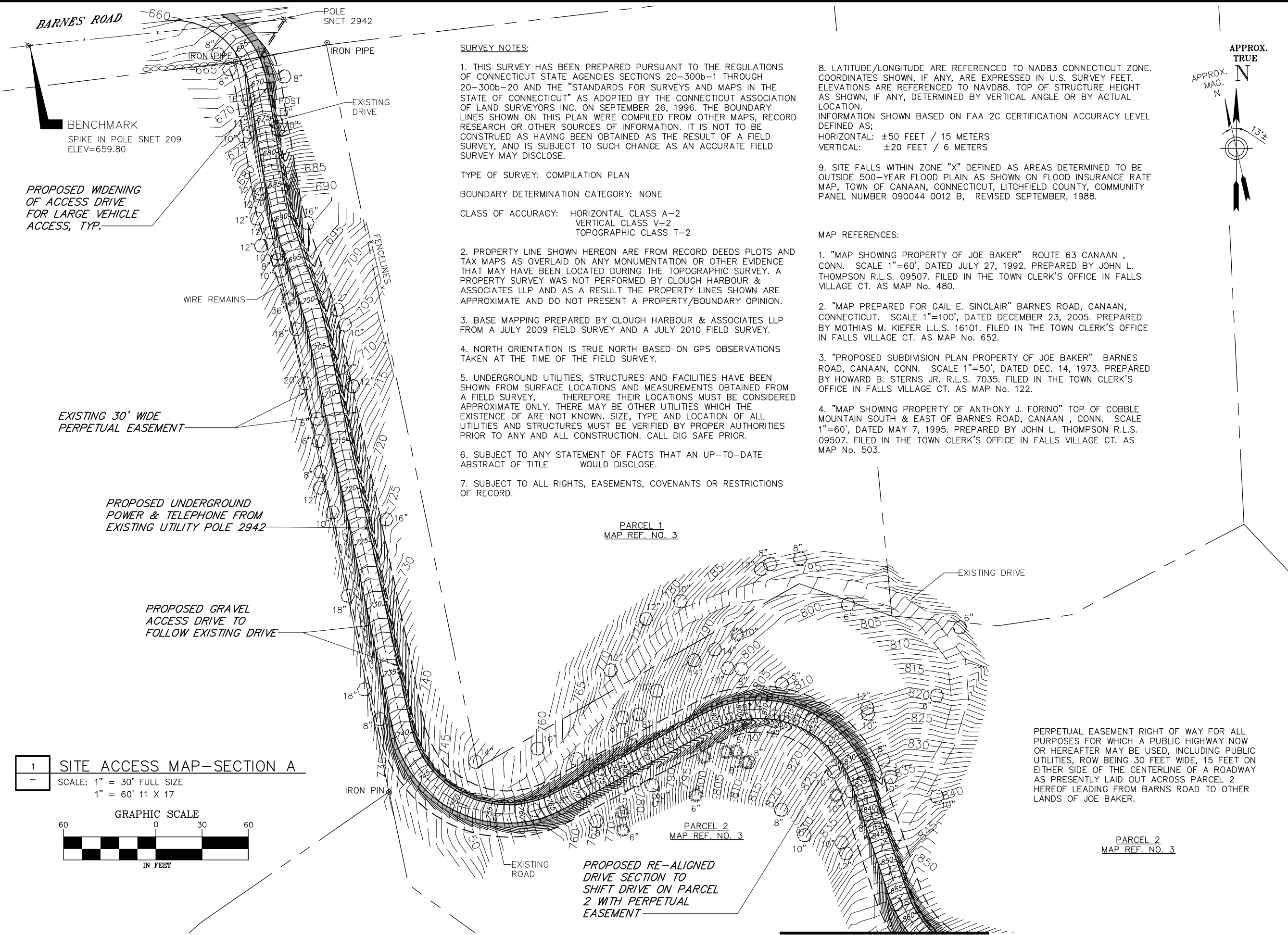
SHEET TITLE
ABUTTERS
MAP

SHEET NUMBER
C01



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File: W:\S4\INGULAR\18001\8105\1026 FALLS VILLAGE 2413\2D\FALLS VILLAGE-2 SITE ACCESS MAP.DWG Saved: 5/17/2011 1:54:02 PM Plotted: 5/17/2011 1:56:07 PM User: Montgomery, John



SURVEY NOTES:

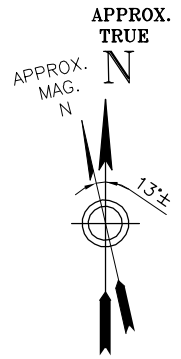
1. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. ON SEPTEMBER 26, 1996. THE BOUNDARY LINES SHOWN ON THIS PLAN WERE COMPILED FROM OTHER MAPS, RECORD RESEARCH OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY, AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE.
2. PROPERTY LINE SHOWN HEREON ARE FROM RECORD DEEDS PLOTS AND TAX MAPS AS OVERLAID ON ANY MONUMENTATION OR OTHER EVIDENCE THAT MAY HAVE BEEN LOCATED DURING THE TOPOGRAPHIC SURVEY. A PROPERTY SURVEY WAS NOT PERFORMED BY CLOUGH HARBOUR & ASSOCIATES LLP AND AS A RESULT THE PROPERTY LINES SHOWN ARE APPROXIMATE AND DO NOT PRESENT A PROPERTY/BOUNDARY OPINION.
3. BASE MAPPING PREPARED BY CLOUGH HARBOUR & ASSOCIATES LLP FROM A JULY 2009 FIELD SURVEY AND A JULY 2010 FIELD SURVEY.
4. NORTH ORIENTATION IS TRUE NORTH BASED ON GPS OBSERVATIONS TAKEN AT THE TIME OF THE FIELD SURVEY.
5. UNDERGROUND UTILITIES, STRUCTURES AND FACILITIES HAVE BEEN SHOWN FROM SURFACE LOCATIONS AND MEASUREMENTS OBTAINED FROM A FIELD SURVEY, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER UTILITIES WHICH THE EXISTENCE OF ARE NOT KNOWN. SIZE, TYPE AND LOCATION OF ALL UTILITIES AND STRUCTURES MUST BE VERIFIED BY PROPER AUTHORITIES PRIOR TO ANY AND ALL CONSTRUCTION. CALL DIG SAFE PRIOR.
6. SUBJECT TO ANY STATEMENT OF FACTS THAT AN UP-TO-DATE ABSTRACT OF TITLE WOULD DISCLOSE.
7. SUBJECT TO ALL RIGHTS, EASEMENTS, COVENANTS OR RESTRICTIONS OF RECORD.

8. LATITUDE/LONGITUDE ARE REFERENCED TO NAD83 CONNECTICUT ZONE. COORDINATES SHOWN, IF ANY, ARE EXPRESSED IN U.S. SURVEY FEET. ELEVATIONS ARE REFERENCED TO NAVD88. TOP OF STRUCTURE HEIGHT AS SHOWN, IF ANY, DETERMINED BY VERTICAL ANGLE OR BY ACTUAL LOCATION. INFORMATION SHOWN BASED ON FAA 2C CERTIFICATION ACCURACY LEVEL DEFINED AS:
HORIZONTAL: ±50 FEET / 15 METERS
VERTICAL: ±20 FEET / 6 METERS
9. SITE FALLS WITHIN ZONE "X" DEFINED AS AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN AS SHOWN ON FLOOD INSURANCE RATE MAP, TOWN OF CANAAN, CONNECTICUT, LITCHFIELD COUNTY, COMMUNITY PANEL NUMBER 090044 0012 B, REVISED SEPTEMBER, 1988.

TYPE OF SURVEY: COMPILATION PLAN
BOUNDARY DETERMINATION CATEGORY: NONE
CLASS OF ACCURACY: HORIZONTAL CLASS A-2
VERTICAL CLASS V-2
TOPOGRAPHIC CLASS T-2

MAP REFERENCES:

1. "MAP SHOWING PROPERTY OF JOE BAKER" ROUTE 63 CANAAN , CONN. SCALE 1"=60', DATED JULY 27, 1992. PREPARED BY JOHN L. THOMPSON R.L.S. 09507. FILED IN THE TOWN CLERK'S OFFICE IN FALLS VILLAGE CT. AS MAP No. 480.
2. "MAP PREPARED FOR GAIL E. SINCLAIR" BARNES ROAD, CANAAN, CONNECTICUT. SCALE 1"=100', DATED DECEMBER 23, 2005. PREPARED BY MOTHIAS M. KIEFER L.L.S. 16101. FILED IN THE TOWN CLERK'S OFFICE IN FALLS VILLAGE CT. AS MAP No. 652.
3. "PROPOSED SUBDIVISION PLAN PROPERTY OF JOE BAKER" BARNES ROAD, CANAAN, CONN. SCALE 1"=50', DATED DEC. 14, 1973. PREPARED BY HOWARD B. STERNS JR. R.L.S. 7035. FILED IN THE TOWN CLERK'S OFFICE IN FALLS VILLAGE CT. AS MAP No. 122.
4. "MAP SHOWING PROPERTY OF ANTHONY J. FORINO" TOP OF COBBLE MOUNTAIN SOUTH & EAST OF BARNES ROAD, CANAAN , CONN. SCALE 1"=60', DATED MAY 7, 1995. PREPARED BY JOHN L. THOMPSON R.L.S. 09507. FILED IN THE TOWN CLERK'S OFFICE IN FALLS VILLAGE CT. AS MAP No. 503.



1 SITE ACCESS MAP-SECTION A
SCALE: 1" = 30' FULL SIZE
1" = 60' 11 X 17

GRAPHIC SCALE
60 0 30 60
IN FEET

PERPETUAL EASEMENT RIGHT OF WAY FOR ALL PURPOSES FOR WHICH A PUBLIC HIGHWAY NOW OR HEREAFTER MAY BE USED, INCLUDING PUBLIC UTILITIES, ROW BEING 30 FEET WIDE, 15 FEET ON EITHER SIDE OF THE CENTERLINE OF A ROADWAY AS PRESENTLY LAID OUT ACROSS PARCEL 2 HEREOF LEADING FROM BARNES ROAD TO OTHER LANDS OF JOE BAKER.



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500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

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CHA PROJECT NO:
18301 - 1026 - 43000

NO.	SUBMITTAL		
0	05/17/11	ISSUED FOR CSC CERTIFICATE	
	BY: JDM	CHK: PAL	APP'D: JPS

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SITE ID:
SR2413
SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
**8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY**

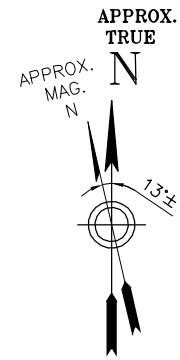
SHEET TITLE
SITE ACCESS MAP

SHEET NUMBER
C02A

MATCH LINE - SEE SECTION B SHEET C02B

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MATCH LINE - SEE SECTION A SHEET C02A



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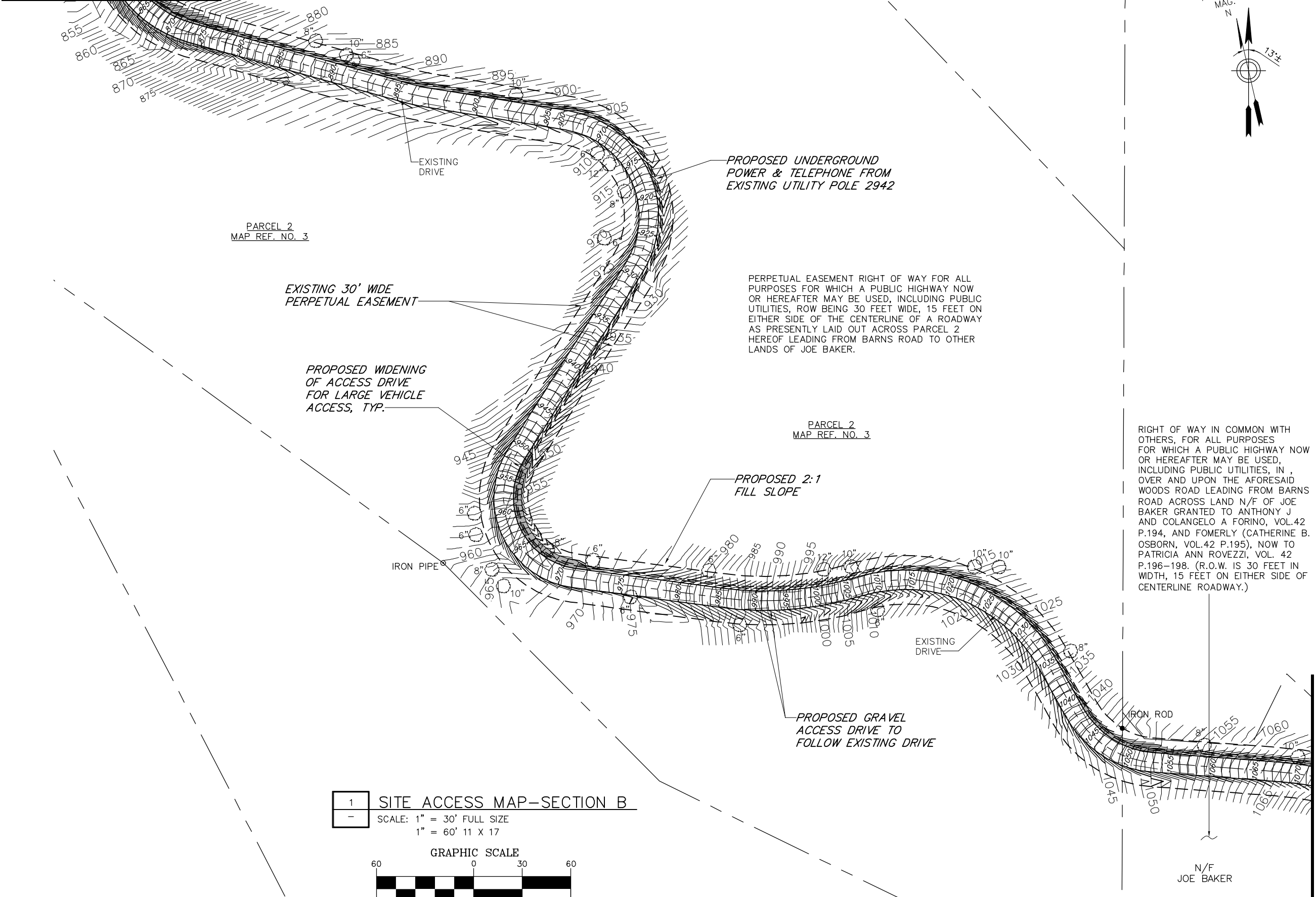
NO.	SUBMITTAL
0	ISSUED FOR CSC CERTIFICATE
BY: JDM	CHK: PAL APP'D: JPS

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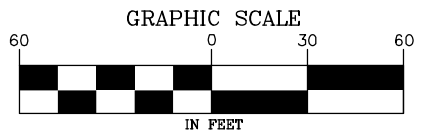
SITE ID:
SR2413
SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

SHEET TITLE
SITE ACCESS MAP

SHEET NUMBER
C02B



1 SITE ACCESS MAP-SECTION B
SCALE: 1" = 30' FULL SIZE
1" = 60' 11 X 17



RIGHT OF WAY IN COMMON WITH OTHERS, FOR ALL PURPOSES FOR WHICH A PUBLIC HIGHWAY NOW OR HEREAFTER MAY BE USED, INCLUDING PUBLIC UTILITIES, IN , OVER AND UPON THE AFORESAID WOODS ROAD LEADING FROM BARNES ROAD ACROSS LAND N/F OF JOE BAKER GRANTED TO ANTHONY J AND COLANGELO A FORINO, VOL.42 P.194, AND FOMERLY (CATHERINE B. OSBORN, VOL.42 P.195), NOW TO PATRICIA ANN ROVEZZI, VOL. 42 P.196-198. (R.O.W. IS 30 FEET IN WIDTH, 15 FEET ON EITHER SIDE OF CENTERLINE ROADWAY.)

PERPETUAL EASEMENT RIGHT OF WAY FOR ALL PURPOSES FOR WHICH A PUBLIC HIGHWAY NOW OR HEREAFTER MAY BE USED, INCLUDING PUBLIC UTILITIES, ROW BEING 30 FEET WIDE, 15 FEET ON EITHER SIDE OF THE CENTERLINE OF A ROADWAY AS PRESENTLY LAID OUT ACROSS PARCEL 2 HEREOF LEADING FROM BARNES ROAD TO OTHER LANDS OF JOE BAKER.

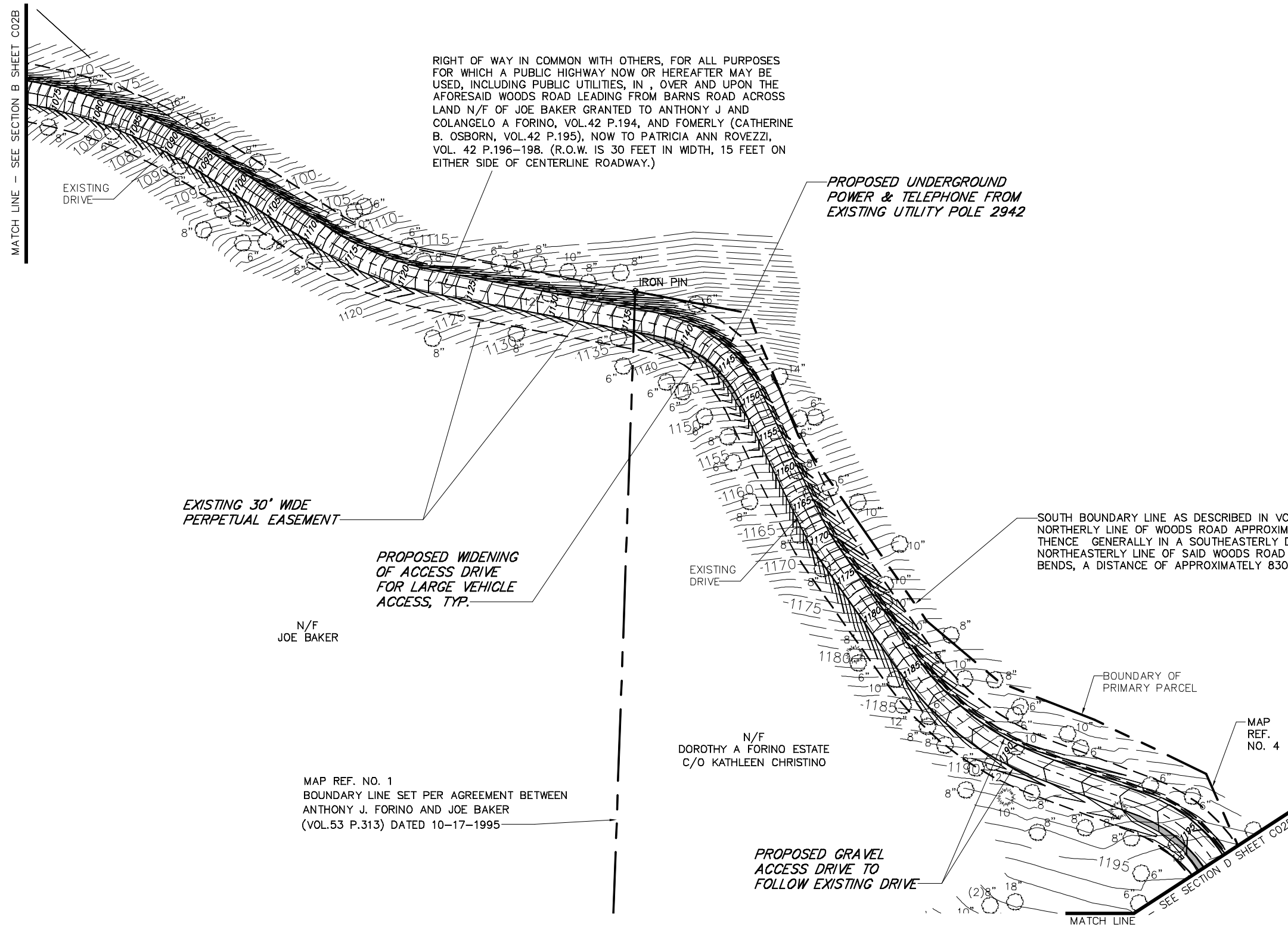
PARCEL 2
MAP REF. NO. 3

PARCEL 2
MAP REF. NO. 3

MATCH LINE - SEE SECTION C SHEET C02C

File: W:\SA\ CINGULAR\18301\BATES\026 FALLS VILLAGE 2413.DWG SITE ACCESS MAP.DWG Saved: 5/17/2011 1:54:02 PM Plotted: 5/17/2011 1:56:20 PM User: Montgemery, John

MATCH LINE - SEE SECTION B SHEET C02B



RIGHT OF WAY IN COMMON WITH OTHERS, FOR ALL PURPOSES FOR WHICH A PUBLIC HIGHWAY NOW OR HEREAFTER MAY BE USED, INCLUDING PUBLIC UTILITIES, IN , OVER AND UPON THE AFORESAID WOODS ROAD LEADING FROM BARNES ROAD ACROSS LAND N/F OF JOE BAKER GRANTED TO ANTHONY J AND COLANGELO A FORINO, VOL.42 P.194, AND FOMERLY (CATHERINE B. OSBORN, VOL.42 P.195), NOW TO PATRICIA ANN ROVEZZI, VOL. 42 P.196-198. (R.O.W. IS 30 FEET IN WIDTH, 15 FEET ON EITHER SIDE OF CENTERLINE ROADWAY.)

PROPOSED UNDERGROUND POWER & TELEPHONE FROM EXISTING UTILITY POLE 2942

EXISTING 30' WIDE PERPETUAL EASEMENT

PROPOSED WIDENING OF ACCESS DRIVE FOR LARGE VEHICLE ACCESS, TYP.

N/F JOE BAKER

MAP REF. NO. 1
BOUNDARY LINE SET PER AGREEMENT BETWEEN ANTHONY J. FORINO AND JOE BAKER (VOL.53 P.313) DATED 10-17-1995

N/F DOROTHY A FORINO ESTATE
C/O KATHLEEN CHRISTINO

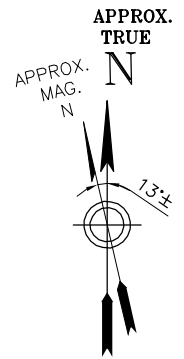
PROPOSED GRAVEL ACCESS DRIVE TO FOLLOW EXISTING DRIVE

SOUTH BOUNDARY LINE AS DESCRIBED IN VOL NORTHERLY LINE OF WOODS ROAD APPROXIMATELY THENCE GENERALLY IN A SOUTHEASTERLY DIRECTION TO THE NORTHEASTERLY LINE OF SAID WOODS ROAD . BENDS, A DISTANCE OF APPROXIMATELY 830

BOUNDARY OF PRIMARY PARCEL

MAP REF. NO. 4

MATCH LINE - SEE SECTION D SHEET C02D



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	BY: JDM	CHK: PAL APP'D: JPS

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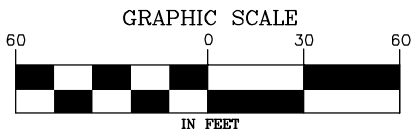
SITE ID:
SR2413
SITE NAME:
FALLS VILLAGE/CANAAN
SITE ADDRESS:
8 BARNES ROAD
FALLS VILLAGE, CT
06031
LITCHFIELD COUNTY

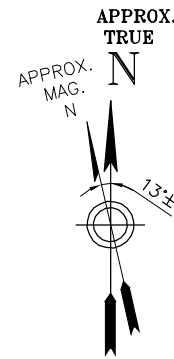
SHEET TITLE
SITE ACCESS MAP

SHEET NUMBER
C02C

1 SITE ACCESS MAP-SECTION C

SCALE: 1" = 30' FULL SIZE
1" = 60' 11 X 17

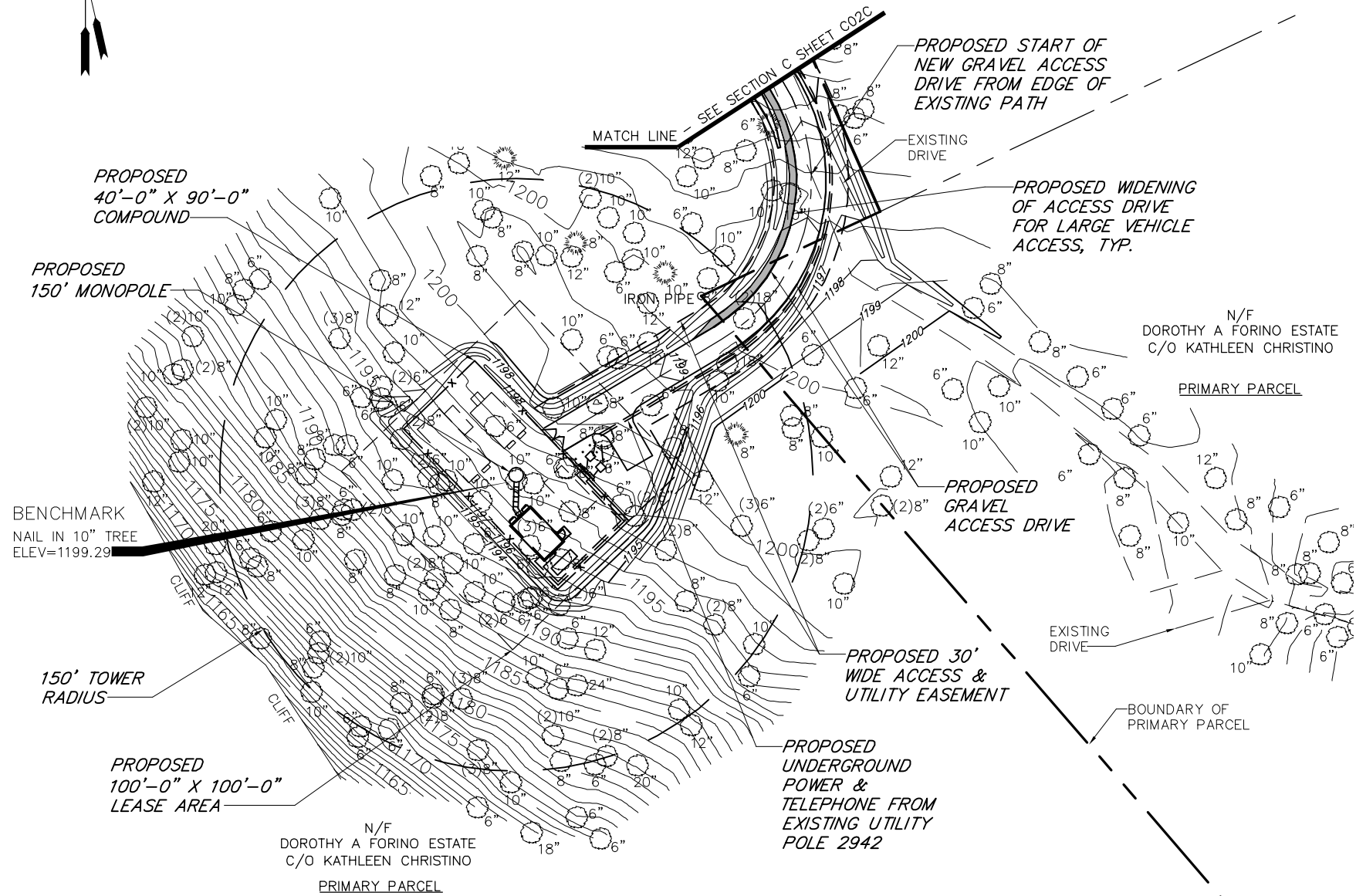




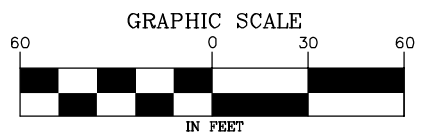
AREA OF DISTURBANCE	
1.9 ACRES	

EARTHWORK VOLUMES	
CUT	370 CY
FILL	4,200 CY
NET	3,830 CY

VERTICAL PROFILE DESIGN	
STATION RANGE	ACCESS DRIVE GRADE
00+00 TO 00+50	14.0%
00+50 TO 01+50	25.0%
01+50 TO 03+60	16.0%
03+60 TO 05+20	11.0%
05+20 TO 06+25	23.5%
06+25 TO 08+80	30.0%
08+80 TO 10+50	25.5%
10+50 TO 12+50	10.0%
12+50 TO 13+50	22.5%
13+50 TO 14+80	14.5%
14+80 TO 15+60	25.0%
15+60 TO 16+60	11.0%
16+60 TO 18+00	26.0%
18+00 TO 21+20	19.0%
21+20 TO 23+00	24.0%
23+00 TO 24+75	11.0%
24+75 TO 26+60	25.0%
26+60 TO 28+60	4.7%
28+60 TO 30+20	2.5%
30+20 TO 30+80	-2.0%



1 SITE ACCESS MAP-SECTION D
 - SCALE: 1" = 30' FULL SIZE
 1" = 60' 11 X 17



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 500 ENTERPRISE DRIVE
 ROCKY HILL, CT 06067

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CHA PROJECT NO:
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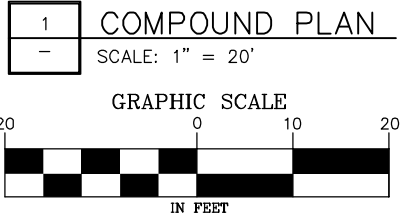
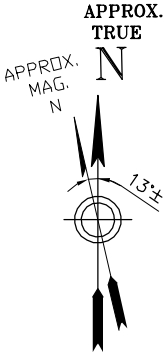
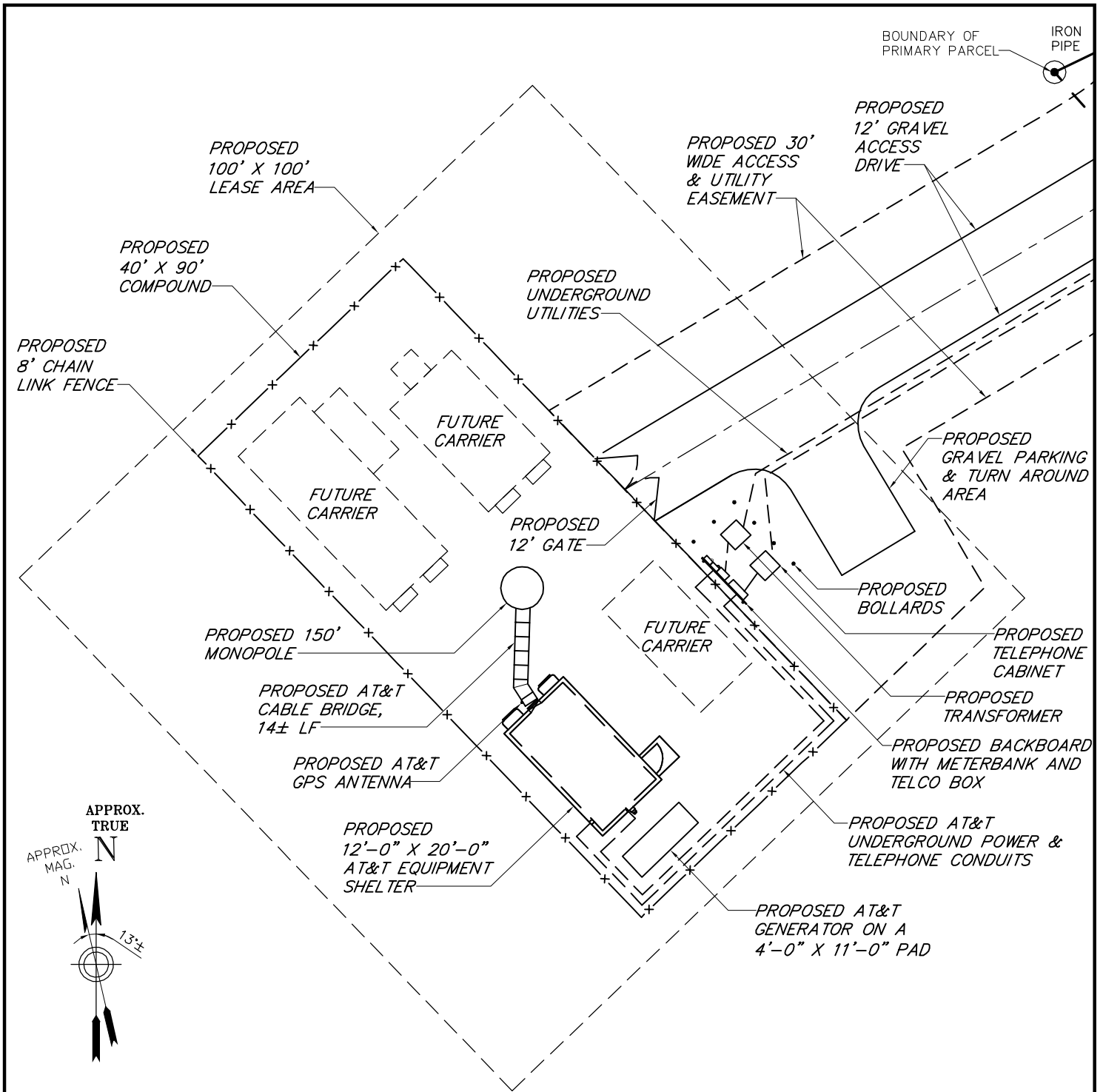
NO.	DATE	DESCRIPTION
0	05/17/11	ISSUED FOR CSC CERTIFICATE
	BY: JDM	CHK: PAL APP'D: JPS

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SITE ID:
 SR2413
 SITE NAME:
 FALLS VILLAGE/CANAAN
 SITE ADDRESS:
 8 BARNES ROAD
 FALLS VILLAGE, CT
 06031
 LITCHFIELD COUNTY

SHEET TITLE
 SITE ACCESS MAP

SHEET NUMBER
 C02D



BASEMAP NOTES:
 1. BASEMAP INFORMATION OBTAINED FROM SURVEYS PERFORMED BY CLOUGH HARBOUR & ASSOCIATES LLP IN JULY 2009 AND JULY 2010.

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SR2413
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 8 BARNES ROAD
 FALLS VILLAGE, CT 06031
 LITCHFIELD COUNTY

CHA PROJ. NO. - 18301-1026-43000

SHEET TITLE: COMPOUND PLAN
DATE: 05/17/11
REVISION: 0



May 17, 2010

New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, CT 06067

RE: Tree Inventory
Site: Falls Village / Canaan
8 Barnes Road
Falls Village, CT 06031
CHA # 18301-1026-43000

A site survey was completed at the subject site in July of 2009 and July of 2010. A requirement of the survey involved determining the location of all trees within the topographic survey area with a diameter at breast height of 6” or larger. As can be seen on the site access map, there are one-hundred ten (110) trees with a diameter of 6” or larger within the area of the proposed access road and compound which need to be removed for construction of the facility. The quantity and size of trees being removed is summarized in the table below:

Tree Diameter	Number of Trees to be Removed
6"	40
8"	27
10"	20
12"	14
14"	1
15"	2
16"	2
18"	4
TOTAL	110

If you have any questions, comments or need further information, please do not hesitate to contact our office.

Very truly yours,

CLOUGH HARBOUR & ASSOCIATES LLP

Paul Lusitani
Project Engineer

W:\SAI Cingular\18301\Sites\1026 Falls Village 2413\ZD\FALLS VILLAGE-10 TREE INVENTORY.doc

C&F: 1664879.1