

**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

APPLICATION OF OPTASITE TOWERS LLC
AND OMNIPOINT COMMUNICATIONS, INC.
FOR A CERTIFICATE OF ENVIRONMENTAL
COMPATIBILITY AND PUBLIC NEED FOR
THE CONSTRUCTION, MAINTENANCE AND
OPERATION OF A TELECOMMUNICATIONS
FACILITY AT 52 STADLEY ROUGH ROAD,
DANBURY, CONNECTICUT

DOCKET NO. 366

JANUARY 22, 2009

APPLICANTS' REBUTTAL REPORT AND TESTIMONY REGARDING WETLANDS

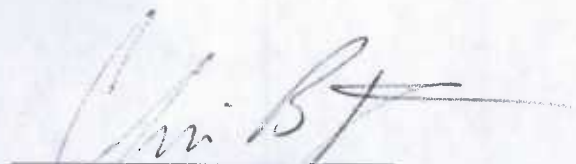
Annexed hereto is a report prepared by Kleinfelder and dated January 21, 2009 which will be offered as the rebuttal testimony of Benjamin Rieger with respect to matters associated with the project and on-site wetlands.

CERTIFICATE OF SERVICE

I hereby certify that on this day, an original and twenty copies of the Applicants Rebuttal Report and Testimony Regarding Wetlands were served on the Connecticut Siting Council by hand with an electronic copy sent via email and copy served via overnight mail and email to:

City of Danbury
Laslo L. Pinter, Esq.
Robin L. Edwards, Esq.
City of Danbury
Office of the Corporation Counsel
155 Deer Hill Avenue
Danbury, Connecticut 06810
(203) 797-4518
R.Edwards@ci.danbury.ct.us
L.Pinter@ci.danbury.ct.us

Dated: January 22, 2009



Christopher Fisher

cc: Charles Regulbuto
Hans Fiedler
Benjamin Rieger



99 Lambertson Road, Suite 201
Windsor, CT 06095
p| 860.683.4200
f| 860.683.4206
kleinfelder.com

January 21, 2009

Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

Re: Docket Number 366
Rebuttal of Comments in Danzer Letters/Reports dated November 19, 2008
and December 22, 2008

To Whom It May Concern:

We are writing in advance of the upcoming hearing on January 26, 2009 to provide our rebuttal comments with respect to the various comments from Steven Danzer and provided by the City of Danbury to the Siting Council. Of note, Mr. Danzer is apparently an outside consultant who works for the City's EIC on occasion. At the outset, we note that the EIC has not provided separate comments to the Siting Council despite receiving and reviewing Optasite's application at its July 9, 2008 Meeting as noted in its meeting minutes available online.

1. Locations and Origins of the On-Site Mapped Wetlands

Danzer Comment: Wetland man made as opposed to man altered?

Response: This area of Danbury was historically agricultural and the mapped on-site wetlands are along a stone wall, which blocks water flow and increases the water present. Site visits indicate that it is man made with the depressional wetland appearing to have been excavated some time ago with man modified hydrology. The soils types could be either naturally occurring or have developed over the past 70 years or so subsequent to agricultural use and man made features. We don't believe the genesis of the soils is, however, relevant to evaluating their quality in this instance.

Danzer Comment: Differences in delineated wetland sizes and shapes, and suggestion that they are not isolated but rather part of a larger historical wetland.



Response: The attached figure from CHA (sheet CO2) depicts both the URS delineated wetland areas and the Kleinfelder delineated wetland areas. The total wetland area delineated by URS was 564 square feet. The total wetland area delineated by Kleinfelder was 936 square feet. Two differences between the delineations are apparent. First the northern depressional wetland is smaller and of a slightly different shape in the Kleinfelder delineation. Based on the URS delineation the northern wetland is approximately 35 feet east of the access road at its closest point, and 45 feet from the access road based on the Kleinfelder delineation. Both are significant distances and based on both delineations there will be no direct impact to this wetland. The closest distance from the compound to the northern wetland is the same for both delineations. The Kleinfelder delineation of the southern, linear wetland along the stone wall, identified more area to both the northeast and southwest of the stone wall. This delineation results in a larger wetland area which is closer to the proposed compound and is therefore the more conservative of the two delineations.

The nearest wetland soils mapped by the NRCS (Natural Resources Conservation Service) are approximately 1,200 feet to the northeast. Mapped wetland soils to the south west are approximately 2,200 feet away from the site along Beaver Brook. This was the basis for the statement regarding isolation from surrounding wetlands. Information recently obtained from the Town of Danbury EIC records identifies separate delineated wetlands on the property to the south as well as delineated wetlands on the property to the west. These wetlands are not depicted on NRCS or DEP wetland maps and the site wetland soils do not connect to the off site wetlands. During periods of precipitation there may be overland flow connections between the wetlands and also hydrologic connection through the local shallow groundwater, but these are not contiguous wetlands resources.

2. Quality and Value of Wetland Resources

Danzer Comment: Wildlife corridor value is provided by the wooded strip between the house and the church.

Response: A large area of upland habitat surrounding the wetlands is being maintained and the wildlife corridor and habitat value will still exist after the proposed development. The total post development undisturbed area within 100' of the wetlands is 50,867 square feet, and the proposed development will have a post construction disturbed area of 7,303 square feet within 100 feet of the wetlands. A corridor between the proposed compound and the church driveway will be maintained, at an approximate width of 90 feet.

Danzer Comment: Standing water and amphibian habitat may exist due to semi-permanent saturated or flooded conditions.

Response: Conditions of seasonal inundation of duration necessary to support amphibians have not been observed. It is possible that some use of the wetland system by amphibians may occur but we do not currently have evidence to show such use.



A study of pond breeding amphibians conducted in Rhode Island suggests that in most years ponds must be inundated for 4 to 9 months, with water in ponds from March through August, for successful reproduction of the majority of pond breeding amphibians.

In areas of seasonal inundation the typical amphibian life cycle includes adult movement to the standing water in early spring where adults mate and deposit eggs. Following egg mass placement adults move to surrounding uplands where they spend the rest of the year. The young of year develop in the surface water over time and once they achieve their terrestrial form emigrate from the water.

Species typical of this reproductive pattern include wood frogs and spotted salamanders. Although there is some plasticity in terms of maturation rate some minimum period of time is required for development of the terrestrial life form. A second study conducted in Rhode Island showed that wood frog required inundation until late June for 50% emigration of the young of year and mid July for 95% emigration. The spotted salamander required surface water until mid-August for 50% emigration and late September for 95% emigration.

No standing water was observed in either the depressional wetland or the linear wetland along the stone wall in March of 2008 when Kleinfelder conducted the wetland delineation.

Under typical conditions a vernal pool or vernal water course would be inundated during early spring in southern New England due to snow melt resulting in surface flow and/or spring groundwater elevation rise. Two thousand and eight was a "much above normal precipitation" year for Connecticut as defined by NOAA and based on NOAA data. The preceding year, potentially indicative of the elevation of groundwater elevation going into 2008, was a normal precipitation year. Based on the above average precipitation for 2008 and normal precipitation during 2007 the wetlands would have been expected to be inundated in early spring of 2008 if spring inundation was their typical condition.

Due to the observation of no inundation in March 2008 and the above average precipitation for that year combined with the lengthy sustained duration of inundation required by most amphibians to reproduce we do not believe these wetlands provide routine breeding habitat for amphibians.

In their site observations associated with preparation of the NEPA screening report dated June 7, 2008, EBI concluded that "Limited or no hydric vegetation was observed at the tower site. Additionally, no surface water was observed at the proposed tower site, however two small wetland areas (are) located directly west/northwest of the Project Site." Their field observations were made in January 2006.

Mr. Danzer's observation of standing water in the linear wetland on November 18, 2008 would be expected due to rainfall four of the six days prior to his site visit and the fact that the wetland is fed at least partially by overland flow and inflow from the small culvert. A



single observation of standing water following a rain event does not indicate that standing water is present at durations sufficient to support amphibians.

Additionally, both wetland areas are being preserved along with the stone walls which Mr. Danzer correctly identifies as cover habitat for amphibians and small animals that may use the wetlands. A large area of upland habitat surrounding these wetlands is being maintained, see response above. The wetland areas will be protected during the construction process using appropriate best management practices. Due to the lack of direct impact to the wetlands, the preservation of the stone walls for cover habitat and the preservation of a large area of upland habitat no significant impact to wildlife using the wetlands is expected.

3. Jurisdiction of City of Danbury Environmental Impact Commission

Danzer Comment: Mr. Danzer suggests that Optasite submit an application to the EIC and that the Council include provision for City review of the D&M plans.

Response: The Applicant has noted previously that the EIC lacks jurisdiction over the project and the EIC has had a copy of the Siting Council application since at least June of 2008. However no comments have been submitted to date. To the extent the City wishes to refer D&M plans that would be developed post issuance of any Certificate and served on them as a party to its own EIC for review and any comment prior to Council D&M Plan approval, the Applicants would have no objection to same.

4. Potential Impacts to Wetland Resources?

Danzer Comment: Ecological impacts

Response: The construction of the tower compound will remove some amount of buffer habitat surrounding the wetland, however the functions provided by the buffer habitat will still be present on-site. See the discussion above regarding maintenance of undisturbed land and a corridor between the proposed compound and the church driveway.

Danzer Comment: Erosion and Sedimentation impacts

Response: SBA/Optasite employs best management practices to assure no migration of sediments and to minimize erosion. These methods typically include the use of silt fencing and hay bales to prevent soil migration, the use of gravel track off areas to prevent soil migration on truck tires, the use of silt fence around temporary soil piles, and revegetation of disturbed soil areas following construction. These and any other prudent methods will be employed to protect the onsite wetland resources.



Danzer Comment: Hydrologic impacts

Response: The current grade in the proposed lease area flows away from the wetland. This existing grade will be maintained after construction and water flow to the wetlands will not be altered. The existing water flow to the northeast and southeast of the wetlands will not be altered.

A small portion of the proposed area will be of impervious cover type, concrete and equipment shelters. These areas will be surrounded by gravel areas where infiltration can occur.

A change to the hydrology of the wetlands is not anticipated because the existing grades in the lease area will be maintained and pervious areas surrounding the impervious areas are provided to allow for infiltration. Therefore, there is no anticipated impact on the hydrology of the wetlands.

Additional Danzer Comments in 12/22/08 Report

Danzer Comment: City of Danbury requirements for Environmental Impact Statements

Response: In order to gain a better understanding of what the City of Danbury typically requires in terms of environmental impact assessment associated for potential impact to wetlands that are present in the vicinity of the proposed tower development the application made by the abutting property owners and the associated approvals were reviewed. The abutters at 14 Indian Spring Road have delineated wetlands along the western side of their property that are not associated with the wetlands at 52 Stadley Rough Road. The 14 Indian Springs Road property also has portions of the 100 foot upland review area for the wetlands located on the 52 Stadley Rough Road property along the eastern side of their property line.

Based on the available public record, the City of Danbury received an application on April 22, 2005 from the owner of 14 Indian Springs Road that included a set of erosion and sediment control drawings. The Erosion Control Plan, Sheet E1, dated 4-22-05 by CCA of Brookfield CT shows a proposed 4 bedroom house, proposed gravel driveway, proposed leaching field near the northern end of the eastern property boundary, proposed 5 foot deep curtain drain along the northern end of the eastern property boundary, and footing drain around the proposed house with both the curtain drain and footing drain daylighting at a rip-rap splash pad approximately 20 feet from the wetland line on the western side of the property. This plan also provided locations for soil stock piles, silt fencing, and an anti-tracking construction entrance.

The wetland lines located on Sheet E1 do not take into account the wetlands located at 52 Stadley Rough Road or the associated upland review area. It appears that the regulated



upland area associated with these wetlands was not considered during the City EIC approval process. It appears inconsistent for the City to assign potential significant value to the 52 Stadley Rough Road wetlands associated with the currently proposed tower site when the application at 14 Indian Springs Road had no consideration to these wetlands and no impact evaluation for the wetlands identified on the plan were documented in the available record or apparently deemed important by the EIC and its staff.

Based on the aerial photographs and upland review areas of the known wetlands at 52 Stadley Rough Road it appears that approximately 1300 square feet of the upland review area was cleared and grubbed for the installation of a lawn on 14 Indian Springs Road.

There was no information in the record regarding any hydrologic impact assessment associated with either the installation of a five foot deep curtain drain proposed along the eastern property boundary. There was also no information in the record regarding any assessment of impact associated with discharging water collected by the proposed trench drain or the proposed foundation drains to the upland review area within 20 feet of wetland on the Indian Spring Road property. No evaluation was found in the record associated with this application documenting consideration of this potential increase in flow through this wetland. Further, it appears that there were no habitat or ecological evaluations performed for that property.

The application for 14 Indian Spring Road was approved administratively without any public hearing. The City of Danbury issued an approval notice by certified mail on July 1, 2005 indicating that the application had been reviewed and approved having found that the proposed activity will cause no greater than minimal impact upon wetlands or water courses if carried out as proposed. The approval included a permit for:

- The homes driveway in and within 6 or 7 feet of the westerly wetlands on the 14 Indian Springs Road site including a pproximately 85 square feet of wetlands fill;
- Clearing and use of upland review area for lawn and drainage features

Danzer Comment: Impact of the removal of trees on hydrology?

Response: The objection to removal of nine mature trees surrounding the wetland is inconsistent with the City's treatment of abutting properties where significant clearing in and adjacent to wetlands was permitted. The removal of trees in this area will indeed eliminate the function provided by the individual trees being removed, however the ecological function of mature trees in the area of the compound will remain. The creation of gaps in the forest canopy will allow additional light to reach the forest floor, similar to what occurs naturally when a tree dies from disease or blow down. The light reaching the forest floor allows saplings to grow more rapidly filling the void. The brushy communities provide important wildlife habitat including increase ground cover for small animals and tender shoots used as



a food source for many species. This habitat, although different than a mature forest with little established understory, does provide ecological value.

The compound area will be finished with a gravel substrate for the majority of the surface. The porosity of the gravel will allow for significant infiltration and is not expected to increase the amount of surface water run off.

Nine trees are a small portion of the total within the forested upland area surrounding the wetlands. It is unlikely that the loss of evapotranspiration by these individual trees replaced over time by natural forest succession will have any significant short term or long term effect on local hydrology.

Nevertheless, to the extent the Siting Council deems tree removal a significant adverse effect, the Applicant could incorporate into a D&M Plan the construction of a series of deer enclosures located within the lease area outside of the fenced compound and plant them with the species of trees to be removed in order to more quickly replace the function of those specific trees eliminated. Additionally, normal maintenance of the tower compound area could include periodic removal of any invasive species for a period of time following development to limit the influx of invasive species that can occur following disturbance.

Danzer Comment: Dewatering?

Response: This issue is primarily an engineering consideration that will be addressed as part of any tower foundation design and construction that will be overseen by Clough Harbor and can be addressed in a D&M Plan. Specifically, a temporary dewatering area could be located downgradient of the wetlands if needed and could be incorporated into the construction phasing for the site and shown on D&M Plans

Danzer Comment: Mischaracterization of the wetland as "isolated"

Response: As noted above, the nearest wetland soils mapped by the NRCS (Natural Resources Conservation Service) are approximately 1,200 feet to the northeast. Mapped wetland soils to the southwest are approximately 2,200 feet away from the site along Beaver Brook. This along with on-site soil delineations were the basis for our statements regarding isolation from any surrounding wetlands. Information recently obtained from the Town of Danbury records indicates delineated wetlands on the property to the south, some of which were described as "man-made or man disturbed cut and/or fill areas", as well as delineated wetlands on the property to the west at 14 Indian Springs Road. These wetlands are not depicted on NRCS or DEP wetland maps and are not immediately adjacent to the wetlands mapped at 52 Stadley Rough Road. Additionally, the site wetland soils do not continuous to off site wetlands. During period of precipitation there may be overland flow connections between the wetlands and also hydrologic connection through the local shallow groundwater. Based on prior City EIC reviews and approvals of wetlands permit



applications to the south, it is clear that any wetlands on-site at 52 Stadley Rough Road were not evaluated and implicitly deemed "isolated".

Danzer Comment: Potential impacts to the wetlands due to slope?

Response: See comments above regarding existing and finished grades and overall project with minimal impervious surfaces.

Please let us know if you have any comments or concerns.

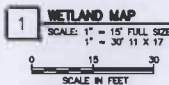
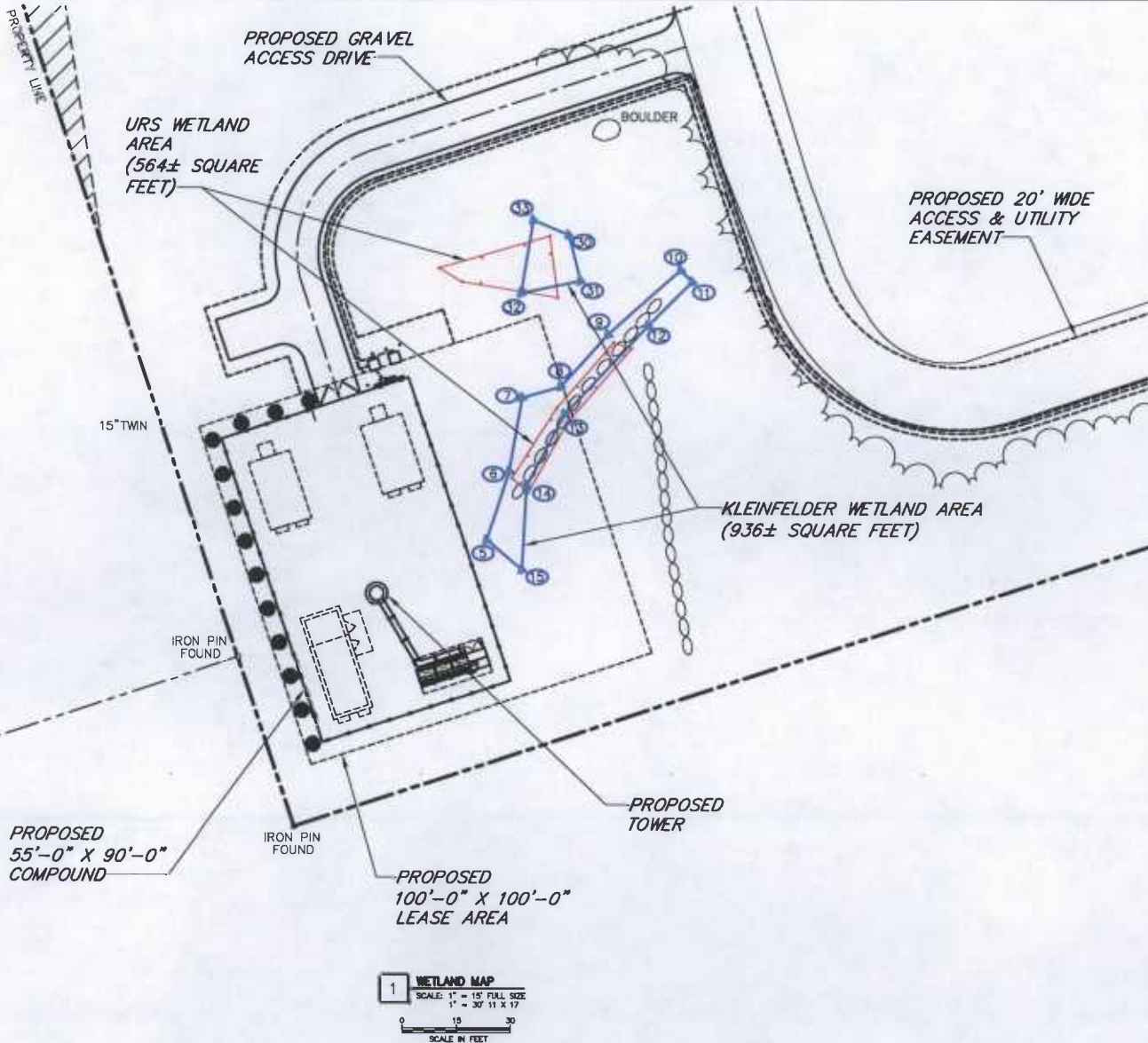
Sincerely,

Kleinfelder, Inc.

A handwritten signature in black ink, appearing to read "Benjamin Rieger". The signature is stylized and somewhat cursive, with a long horizontal stroke extending to the right.

Benjamin Rieger, LEED AP

Attachments



- BASEMAP NOTES:**
1. BASEMAP INFORMATION OBTAINED FROM DRAWINGS BY URS CORPORATION AES DATED DECEMBER 27, 2008.
 2. WETLAND FLAG LOCATIONS BASED ON A WETLAND DELINEATION BY KLEINFELDER AND A SURVEY BY G&Z ASSOCIATES, INC.

Optasite

OPTASITE TOWERS LLC
1 RESEARCH DRIVE, SUITE 3000
WESTBOROUGH, MA 01581

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CIA

2138 Silas Deane Highway, Suite 213 Rocky Hill, CT 06067-2338
Mkt: 080-557-4807 www.chocorporate.com

CHA PROJECT NO:
18383 - 1030 - 1801

REV.	DATE	DESCRIPTION	BY	CHKD.
0	01/20/08	ISSUED FOR REVIEW		
		ENGR. PNL		APPLD JPS

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SITE ID:
CT-999-0041

SITE NAME:
DANBURY

SITE ADDRESS:
52 STADLEY ROUGH ROAD
DANBURY, CT
06811
FAIRFIELD COUNTY

SHEET TITLE:
WETLAND MAP

SHEET NUMBER:
C02

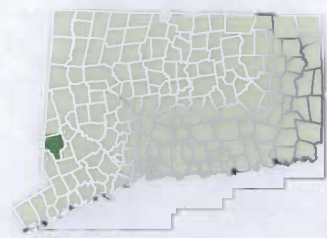
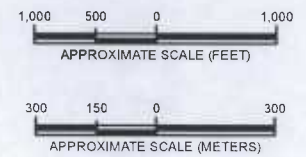


LEGEND

- SITE LOCATION
- WETLAND
- WATERBODY
- WATERCOURSE

WETLAND SOILS

- ADRIAN AND PALMS SOILS
- CARLISLE MUCK
- LEICESTER FINE SANDY LOAM
- POOTATUCK FINE SANDY LOAM
- RAYPOL SILT LOAM
- RIDGEBURY FINE SANDY LOAM
- RIDGEBURY, LEICESTER AND WHITMAN SOILS
- RIPPOWAM FINE SANDY LOAM
- SACO SILT LOAM
- SCARBORO MUCKY LOAMY SAND
- WALPOLE SANDY LOAM
- WATER



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SOURCE:
CONNECTICUT DEP HYDROLOGY DATASETS (2005), DEP
WETLAND SOILS DATASET (2005), NATIONAL WETLANDS
INVENTORY (1980) AND USGS 7.5' TOPOGRAPHIC MAP,
DANBURY, CONNECTICUT QUADRANGLE (1969-1984).

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SURFACE FEATURES
CLOUGH HARBOUR & ASSOCIATES, LLP 52 STADLEY ROUGH ROAD DANBURY, CONNECTICUT

FIGURE

1

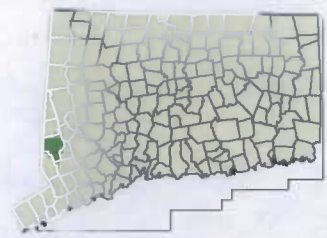
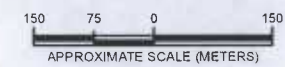
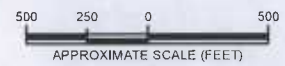


LEGEND

- SITE LOCATION
- WETLAND
- WATERBODY
- WATERCOURSE

WETLAND SOILS

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SOURCE:
CONNECTICUT DEP HYDROLOGY DATASETS (2005), DEP
WETLAND SOILS DATASET (2005), NATIONAL WETLANDS
INVENTORY (1980) AND GOOGLE DIGITAL GLOBE IMAGE (2008).



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SURFACE FEATURES

CLOUGH HARBOUR & ASSOCIATES, LLP
52 STADLEY ROUGH ROAD
DANBURY, CONNECTICUT

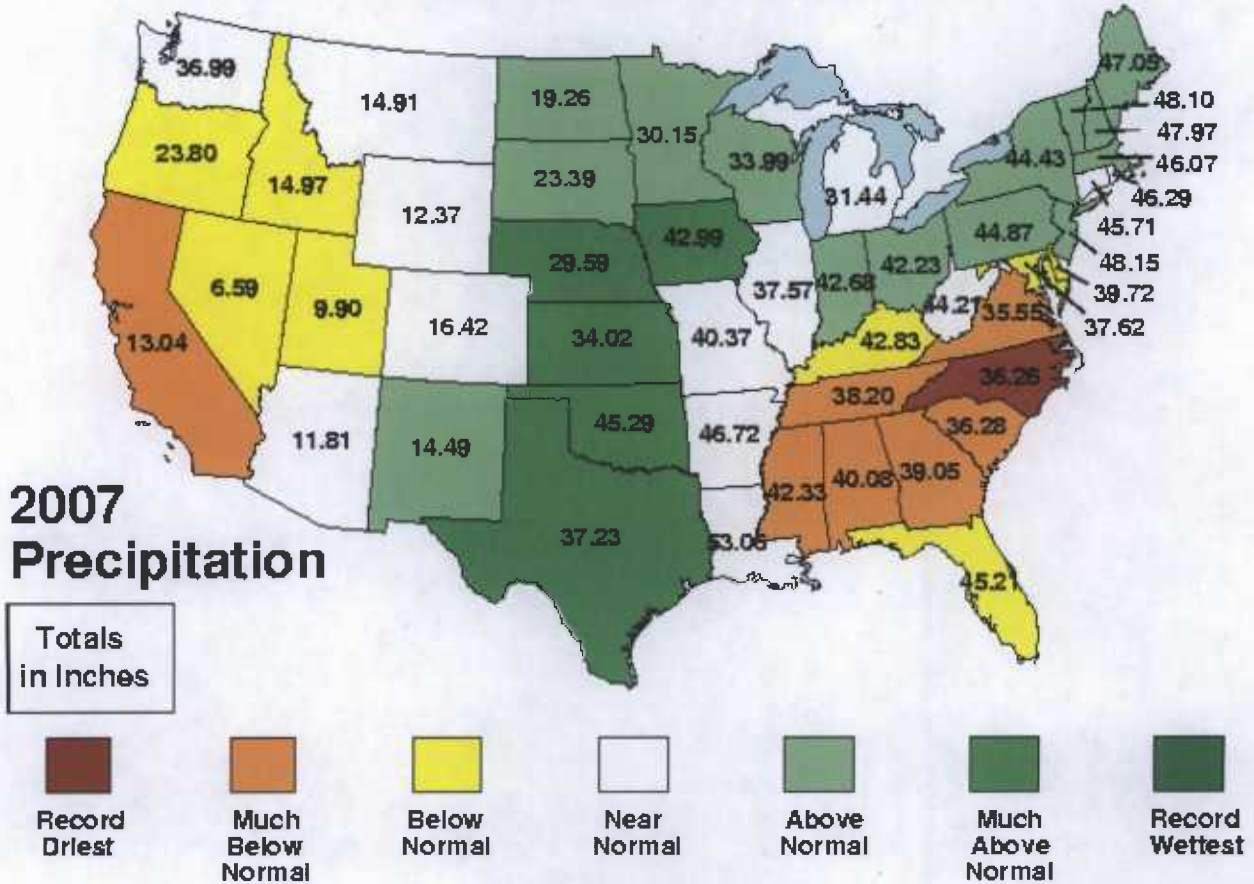
FIGURE:
2



Climate At A Glance

Annual 2007 Precipitation

Some of the following data are preliminary and have not been quality controlled. For official data, please contact the NCDC customer services branch at ncdc.info@noaa.gov.



[Explanation of legend](#)

<http://climvis.ncdc.noaa.gov/cgi-bin/state-map-display.pl>
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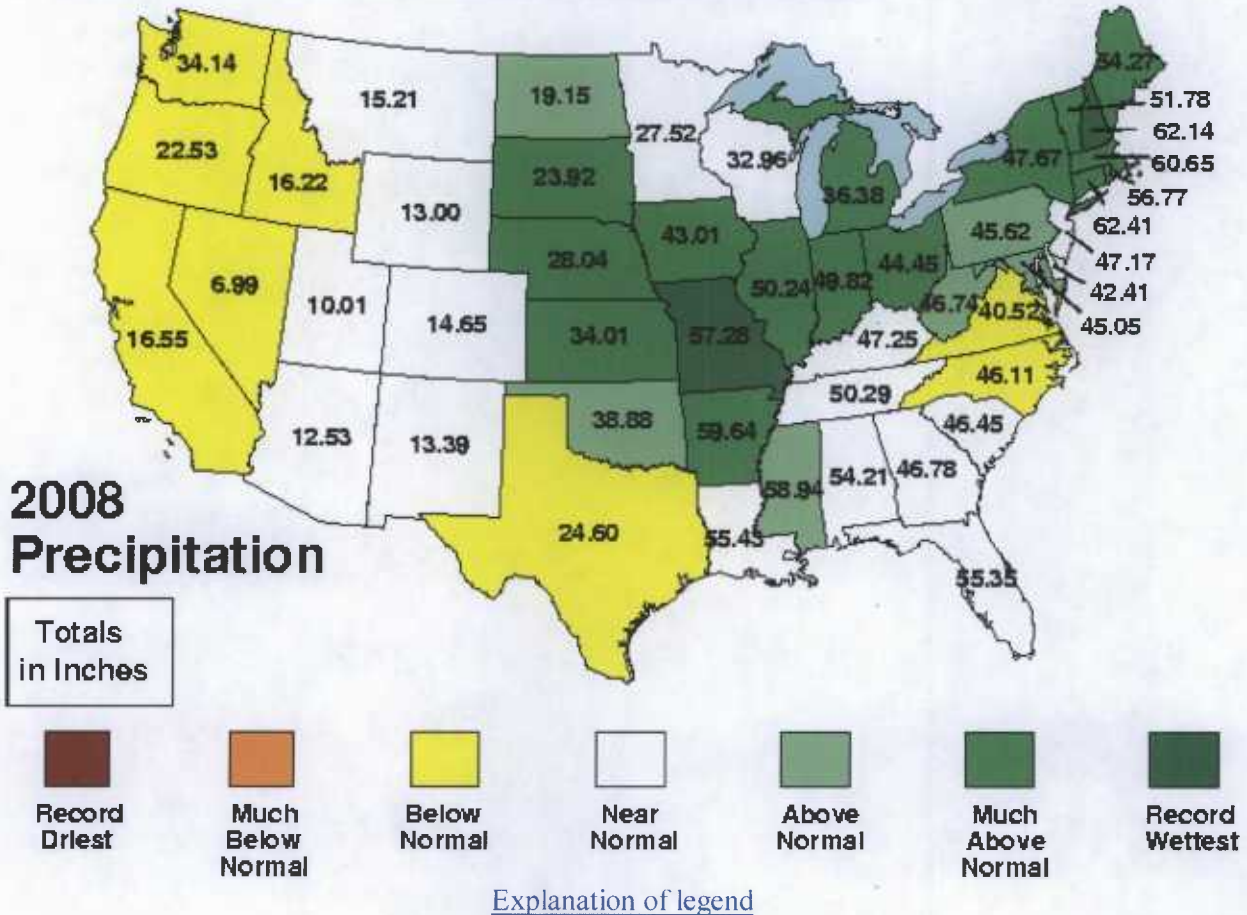
Please send questions to Karin.L.Gleason@noaa.gov
Please see the [NCDC Contact Page](#) if you have questions or comments.



Climate At A Glance

Annual 2008 Precipitation

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Please send questions to Karin.L.Gleason@noaa.gov
Please see the [NCDC Contact Page](#) if you have questions or comments.

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 11/2008											Station Location: DANBURY MUNICIPAL AIRPORT (54734) DANBURY, CT Lat. 41.371 Lon. -73.483 Elevation(Ground): 455 ft. above sea level															
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11	48	30	39	M	28	34	26	0	-	-		M	M	M	0.00	29.73	30.26	4.5	27	5.6	20	310	15	310	11	
12	46	27	37	M	30	34	28	0	-	-		M	M	M	0.00	29.86	30.38	1.5	24	1.7	9	230	8	240	12	
13	53	33	43	M	44	45	22	0	-	-	RA BR	M	M	M	0.31	29.71	30.18	2.8	12	4.0	20	160	14	150	13	
14	61	51	56	M	55	55	9	0	-	-	RA FG+ BR	M	M	M	0.14	29.44	29.93	1.7	17	2.6	13	160	10	170	14	
15	65*	56	61*	M	60	60	4	0	-	-	RA BR	M	M	M	0.88	29.16	29.60	8.0	18	8.9	31	200	22	190	15	
16	59	36	48	M	32	40	17	0	-	-	RA BR	M	M	M	0.11	29.05	29.59	11.9	27	13.0	33	260	23	280	16	
17	44	26	35	M	24	31	30	0	-	-		M	M	M	0.00	29.47	29.98	5.4	26	5.9	20	270	15	250	17	
18	37	24	31	M	18	27	34	0	-	-	SN	M	M	M	T	29.53	30.05	9.8	36	10.1	30	350	23	350	18	
19	33	23	28	M	9	22	37	0	-	-		M	M	M	0.00	29.55	30.05	8.5	34	9.2	26	020	20	330	19	
20	34	19	27	M	17	24	38	0	-	-		M	M	M	0.00	29.37	29.88	2.5	28	3.5	14	330	12	320	20	
21	35	15	25	M	12	21	40	0	-	-		M	M	M	0.00	29.52	30.06	4.2	33	5.7	22	330	17	350	21	
22	28	18	23*	M	7	19	42	0	-	-		M	M	M	0.00	29.75	30.28	9.4	29	9.9	30	310	23	320	22	
23	33	15*	24	M	12	20	41	0	-	-		M	M	M	0.00	29.86	30.38	6.4	27	7.0	21	270	15	270	23	
24	45	19	32	M	27	32	33	0	-	-	RA BR	M	M	M	0.18	29.76	30.22	2.8	16	3.9	20	170	15	170	24	
25	45	26	36	M	37	38	29	0	-	-	RA BR	M	M	M	0.70	29.26	29.74	3.2	24	4.5	18	200	14	200	25	
26	42	24	33	M	29	32	32	0	-	-	BR	M	M	M	0.00	29.36	29.90	4.7	24	4.9	22	250	16	240	26	
27	40	23	32	M	26	30	33	0	-	-		M	M	M	0.00	29.48	29.99	3.9	26	4.2	17	250	13	250	27	
28	47	22	35	M	26	32	30	0	-	-		M	M	M	0.00	29.31	29.81	4.3	26	5.1	26	280	20	260	28	
29	42	22	32	M	23	29	33	0	-	-		M	M	M	0.00	29.41	29.93	4.0	28	4.6	20	280	14	280	29	
30	36	21	29	M	29	30	36	0	-	-	RA FZRA SN BR UP	M	M	M	0.62	29.34	29.80	5.6	07	6.4	20	070	15	080	30	
48.2				30.8	39.5		32.6	37.4	25.3	0.0	<-----Monthly Averages Totals----->					M	M	3.95s	29.54	30.03	2.0	28	5.5	<Monthly Average		
M				M	M		<-----Departure From Normal----->									M										
Degree Days											Greatest 24-hr Precipitation: 0.99s Date: 15-16					Sea Level Pressure Date Time (LST)										
Monthly											Greatest 24-hr Snowfall: M Date: M					Maximum 30.60 02 2052										
Season to Date											Greatest Snow Depth: M Date: M					Minimum 29.33 16 0314										
Total Departure											Heating: 759 M M M					Min Temp <=32: 18					Precipitation >=0.1 inch: 12					
Total Departure											Cooling: 0 M					Min Temp <=0 : 0					Precipitation >=1.0 inch : M					
											Number of Days with ----->					Max Temp >=90: 0					Heavy Fog : 2					
																Max Temp <=32: 1										
																Thunderstorms : 0										
* EXTREME FOR THE MONTH -LAST OCCURRENCE IF MORE THAN ONE.																				Data Version: VER2						

Richard W. Howard, Jr., P.E.
Russell T. Posthauer, Jr., P.E.
Michael J. Lillis, P.E.
Richard A. Bunnell, R.L.S.
Kenneth S. Hrica, P.E., R.L.S.
Ronald J. George, P.E.
Ralph A. Klass, P.E., L.E.P.
Roderick E. Cameron, ASLA, AICP
Steven C. Sullivan, P.E.



RECEIVED
MAY 11 2005

40 Old New Milford Road
Brookfield, CT 06804
(203) 775-6207
Fax (203) 775-3628
Email: mail@ccaengineering.com
33 Village Green Drive
Litchfield, CT 06759
(860) 567-3179
Fax (860) 567-1716
Email: cca_litchfield@snet.net

May 9, 2005

Mr. Scott LeRoy
City of Danbury
155 Deer Hill Ave.
Danbury, CT 06810

Attention: Mr. Scott LeRoy
Senior Environmental Inspector

RE: Parcel "B", Indian Springs Road
Danbury, CT

Dear Mr. LeRoy:

On behalf of our client, Mr. John Degross, we request that the Danbury Environmental Impact Commission table the application for the above referenced site at the May 11, 2005 meeting. We are presently awaiting the field location and a soils report by Michael Klein of Environmental Planning Services (EPS), for the re-flagging of the wetlands on this site. A location sketch is provided should any commission members wish to walk the site.

If you have any questions, please feel free to contact me.

Very truly yours,

Matthew Scully
Project Engineer

MS/hf

Cc: John Degross

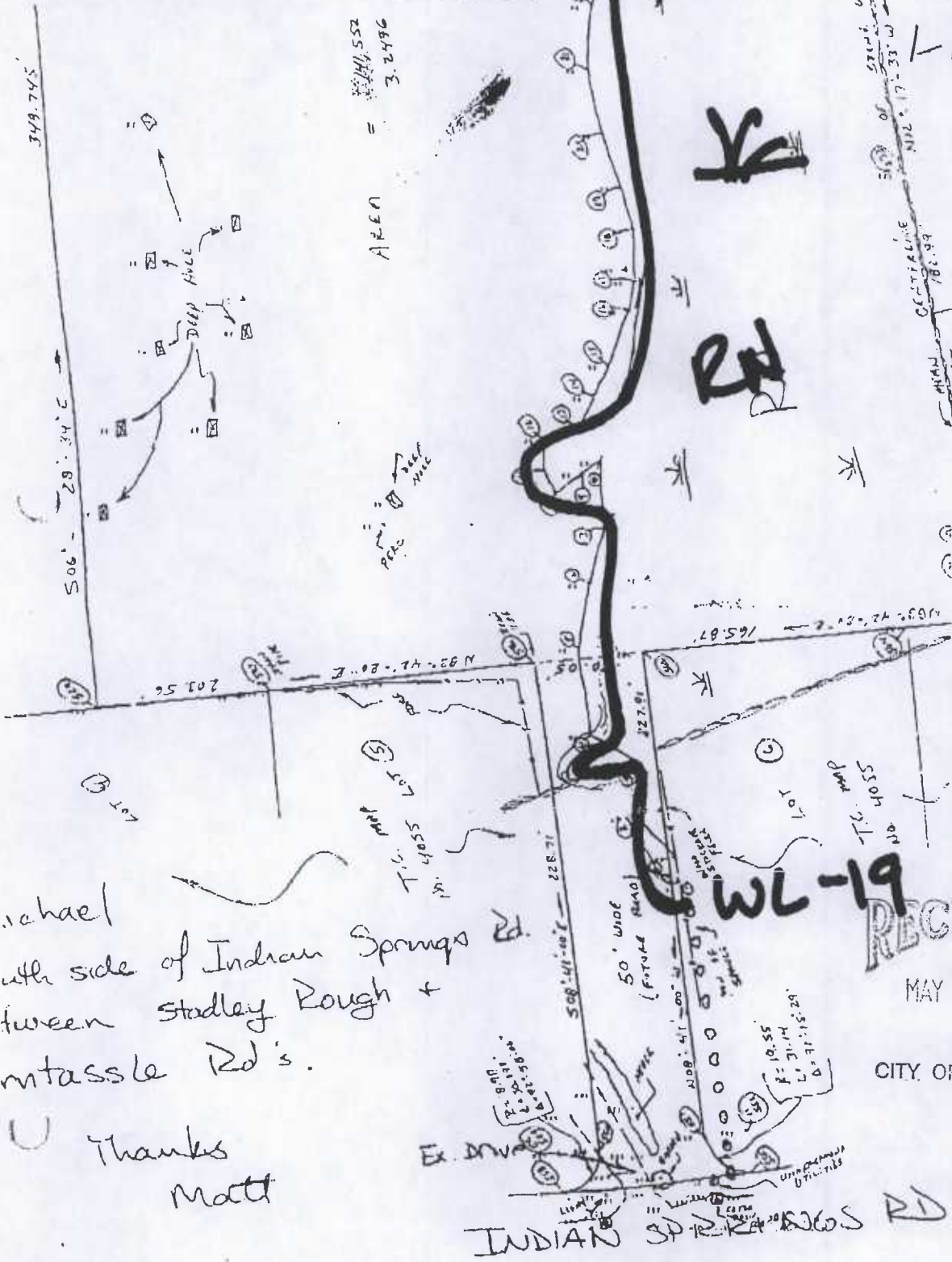
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MAY 11 2005

EIC 613
CITY OF DANBURY

3-May-05 8:11AM:

Post-It™ Fax Note	7671	Date	5/5	# of pages	1
From	CCA	To	M. Sklen		
Phone #		Co.	EPS		
Fax #	2037753628	Fax #	862361578		



Michael
 with side of Indian Springs
 between Stodley Rough +
 Montasse Rd's.

Thanks
 Matt

RECEIVED

MAY 11 2005

EIC 613
 CITY OF DANBURY

INDIAN SPRING RD

105021

FF
 7809

ENVIRONMENTAL PLANNING SERVICES

May 11, 2005

Mr. Matt Scully
CCA Engineers
40 Old New Milford Road
Brookfield, CT 06804

RE: Indian Springs Road
Brookfield, CT

Dear Mr. Scully:

EPS was retained to delineate the wetlands and watercourses on the referenced site. The wetland delineation was conducted by a soil scientist, according to the requirements of the CT Inland Wetlands and Watercourses Act (P.A. 155). Wetlands are defined as areas of poorly drained, very poorly drained, floodplain, and alluvial soils, as delineated by a soil scientist. Watercourses are defined as bogs, swamps, or marshes, as well as lakes, ponds, rivers, streams, etc., whether natural or man-made, permanent or intermittent. Any competent professional may delineate watercourses.

The wetlands were delineated by walking across the parcel in question on May 3, 2005, and examining the upper 20" of the soil profile with a spade and auger. The limits of the wetlands were marked with pink plastic flagging tape numbered WL1-19. The wetland soil map unit is Ridgebury, Leicester, and Whitman, extremely stony, fine sandy loam (RN). This is an undifferentiated mapping unit consisting of two poorly drained (Ridgebury and Leicester) and very poorly drained (Whitman) soils developed on glacial till in depressions and drainageways in uplands and valleys. Their use interpretations are very similar, and they typically are so intermingled on the landscape that separation is not practical. The Ridgebury and Leicester series have a seasonal high water table at or near the surface (0-6") from fall through spring. They differ in that the Leicester soil has a more friable compact layer or hardpan, while the Ridgebury soils have a dense to very dense compact layer. The Whitman soil has a high water table for much of the year and may frequently be ponded.

The non-wetland soils were not examined in detail, except as was necessary to mark the wetland boundary. They consist primarily of Paxton (Pb) and Woodbridge (Wx) fine sandy loam (Pb). The Paxton series consists of well drained loamy soils formed in subglacial till. The soils are very deep to bedrock and moderately deep to a densic contact (known locally as hardpan). They are nearly level to steep soils on till plains, hills, and drumlins. The depth to the densic contact and material is commonly 20 to 40 inches but the range includes 18 to 40 inches. Depth to bedrock is commonly more than 6 feet. Rock fragments range from 5 to 35 percent by volume. Some pedons have a thin E horizon below the A horizon. It has hue of 10YR or 2.5Y, value of 4 to 6, and chroma of 1 to 3.

RECEIVED

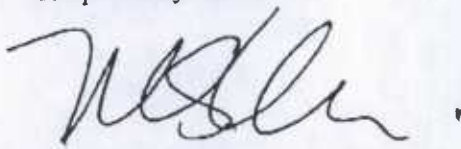
MAY 24 2005

89 BELKNAP ROAD, WEST HARTFORD, CONNECTICUT 06117
PHONE 860-236-1578 FAX

EIC 613
CITY OF DANBURY

The Woodbridge series consists of moderately well drained loamy soils formed in compact, subglacial till. They are very deep to bedrock. They are nearly level to moderately steep soils on till plains, hills, and drumlins. Depth to the compact layer (hardpan) is 18 to 40 inches. Depth to bedrock is commonly more than 6 feet. Woodbridge soils have a seasonal high water table on top of the compact layer (18-40") from fall through late spring.

Respectfully submitted,



Michael S. Klein, Principal
Registered Soil Scientist

Post-it® Fax Note		7671	Date	5/25	# of pages	2
To	WAT	From	MS Klein			
Co./Dept.	CCA	Co.				
Phone #		Fax #				

RECEIVED

MAY 24 2005

EIC 613
CITY OF DANBURY

City of Danbury
Health & Housing Department
155 Deer Hill Ave, Danbury, CT 06810
Phone 797 4625 Fax 796 1596

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Date: 7/1/05

Mr. John DeGross
19 Hamilton Drive
Danbury, CT 06810

RE: Parcel B Indian Springs Rd, file 613

You have submitted an application for a permit to conduct regulated activity under the City Of Danbury Inland Wetland and Watercourses Regulations. Having delegated authority (section 10.1a) that require the City of Danbury to grant permit extensions and approve summary rulings (section 7.6) the Department has reviewed and approves your application having found that the proposed activity will cause no greater than minimal impact upon wetlands or watercourses if carried out as proposed.

The regulation stipulates that our ruling may be limited or revoked by the EIC Commission if it is later shown that a regulated activity or non-permitted use is a consequence of the proposed activity. This new permit is valid for five years from the date of approval. This permit expires upon completion of all regulated activities.

Conditions of Approval:

1. Approved as per DEIC discussion and plans submitted: by CCA revised 6/15/05 with planting plans and easement, Project No. 05931, "Erosion Control Plan".
2. The owner/developer shall field locate all wetlands boundaries and buffers prior to the initiation of any site work, and mark them with permanent monuments. The wetland buffer is defined as a undisturbed area adjacent to the wetland characterized by dense natural or native vegetation. It is an essential wetland enhancement/protection measure, and relates primarily to wildlife habitat and water quality protection.
3. The owner/developer shall evaluate the condition of the buffers and re-plant with native species as required.
4. A split rail type fence (or acceptable substitute) shall be utilized as a permanent delineation for all buffers.

5. The following restrictive covenants listed in these conditions shall be recorded on the land records for this parcel prior to issuance of the Certificate of Occupancy:

a. The following language shall be recorded on the land records for this parcel and proof shall be submitted to the commission **prior to issuance of the certificate of occupancy:**

This property contains wetlands and watercourses, the location of which are indicated on the A-2 survey or other site plans. These areas and the buffer areas adjacent to them, are considered to be environmentally sensitive areas and as such are regulated as to their use. Any alteration or disturbance of the vegetation, soils, surface or ground water (hydrology) may be a regulated activity subject to issuance of a permit by the City of Danbury Environmental Impact Commission.

b. The owner/ developer and all subsequent property owners should follow the guidelines for a low maintenance lawn and use of organic fertilizers.

6. No further clearing, grading or other activities not shown on the approved site plan are authorized by this permit. Any developmental activities other than that shown on the approved site plan is subject to further review and approval by Danbury Environmental Impact Commission.

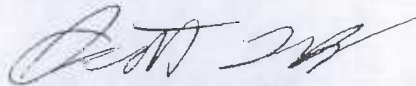
7. All land clearing and construction debris shall be properly disposed of off site. Absolutely no woody land clearing debris shall be disposed of within the designated buffer area.

8. The developer shall provide a conservation easement in a form acceptable to the City Of Danbury on all wetlands and watercourses that restrict use of such open space to passive recreational activities only. The conservation easement must be in a form acceptable to the Health Department and approved by the Office of the Corporation Counsel, along with all documentation required by the Office of the Corporation Counsel. The final easement and all necessary documentation shall be delivered to the Office of Corporation Counsel for recording and shall be recorded before a Certificate of Occupancy is issued.

9. All wetland boundaries and buffers shall be located on the A-2 survey and subsurface sewage disposal plan.

This permit is not assignable or transferable without the written permission of the Commission. If you require further information, please let me know.

Sincerely,



Scott LeRoy MPH, MS, RS
Senior Environmental Inspector
Environmental Health Section

c: Planning Department
Zoning Department
CCA, LLC, Matthew Scully, Project Engineer
40 Old New Milford Road
Brookfield, CT 06804

City of Danbury
Health & Housing Department
155 Deer Hill Ave, Danbury, CT 06810
Phone 797 4625 Fax 796 1596

August 31, 2005

Jose & Christina Carvalheiro
90 Highland Avenue
Danbury, CT 06810

RE: Parcel B Indian Springs Rd, file 613

Permit Date 7/1/05

Former Owner: John DeGross.

You have submitted an application for a permit to conduct regulated activity under the City Of Danbury Inland Wetland and Watercourses Regulations. Having delegated authority (section 10.1a) that require the City of Danbury to grant permit extensions and approve summary rulings (section 7.6) the Department has reviewed and approves your application having found that the proposed activity will cause no greater than minimal impact upon wetlands or watercourses if carried out as proposed.

The regulation stipulates that our ruling may be limited or revoked by the EIC Commission if it is later shown that a regulated activity or non-permitted use is a consequence of the proposed activity. This new permit is valid for five years from the date of approval. This permit expires upon completion of all regulated activities. (Expiration Date 7/1/10)

Conditions of Approval:

1. Approved as per DEIC discussion and plans submitted: by CCA revised 6/15/05 with planting plans and easement, Project No. 05931, "Erosion Control Plan".
2. The owner/developer shall field locate all wetlands boundaries and buffers prior to the initiation of any site work, and mark them with permanent monuments. The wetland buffer is defined as a undisturbed area adjacent to the wetland characterized by dense natural or native vegetation. It is an essential wetland enhancement/protection measure, and relates primarily to wildlife habitat and water quality protection.
3. The owner/developer shall evaluate the condition of the buffers and re-plant with native species as required.
4. A split rail type fence (or acceptable substitute) shall be utilized as a permanent delineation for all buffers.

5. The following restrictive covenants listed in these conditions shall be recorded on the land records for this parcel prior to issuance of the Certificate of Occupancy:

a. The following language shall be recorded on the land records for this parcel and proof shall be submitted to the commission **prior to issuance of the certificate of occupancy**:

This property contains wetlands and watercourses, the location of which are indicated on the A-2 survey or other site plans. These areas and the buffer areas adjacent to them, are considered to be environmentally sensitive areas and as such are regulated as to their use. Any alteration or disturbance of the vegetation, soils, surface or ground water (hydrology) may be a regulated activity subject to issuance of a permit by the City of Danbury Environmental Impact Commission.

b. The owner/ developer and all subsequent property owners should follow the guidelines for a low maintenance lawn and use of organic fertilizers.

6. No further clearing, grading or other activities not shown on the approved site plan are authorized by this permit. Any developmental activities other than that shown on the approved site plan is subject to further review and approval by Danbury Environmental Impact Commission.

7. All land clearing and construction debris shall be properly disposed of off site. Absolutely no woody land clearing debris shall be disposed of within the designated buffer area.

8. The developer shall provide a conservation easement in a form acceptable to the City Of Danbury on all wetlands and watercourses that restrict use of such open space to passive recreational activities only. The conservation easement must be in a form acceptable to the Health Department and approved by the Office of the Corporation Counsel, along with all documentation required by the Office of the Corporation Counsel. The final easement and all necessary documentation shall be delivered to the Office of Corporation Counsel for recording and shall be recorded before a Certificate of Occupancy is issued.

- J. All wetland boundaries and buffers shall be located on the A-2 survey and subsurface sewage disposal plan.

This permit is not assignable or transferable without the written permission of the Commission. If you require further information, please let me know.

Sincerely,



Scott LeRoy MPH, MS, RS
Senior Environmental Inspector
Environmental Health Section

John DeGross

AUG 31 2005

~~948 50~~ 948 4372

80. -
renamed name

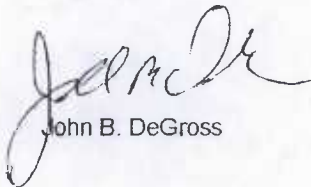
To: City Of Danbury, EIC Commission

From: John B. DeGross, 19 Hamilton Dr. Danbury, CT 06811

RE: Parcel "B" Indian Springs Road - File 613 - Project #05931, Erosion Control Plan

I am selling my property, Parcel "B" on Indian Springs Road, to Jose and Christina Carvalho. I would like to have the Inland Wetland permit transferred to them as soon as possible. I have enclosed a copy of the permit and a copy of the plan which has not been changed in any way.

Regards,



John B. DeGross

Jose & Christina Carvalho Address.

- 90 High Land Ave

- Danbury, Ct 06810



CITY OF DANBURY

155 DEER HILL AVENUE

DANBURY, CONNECTICUT 06810

ENVIRONMENTAL IMPACT COMMISSION
797-4525

DATE RECD. APR 22 2005
FILE NO. EIC 613

APPLICATION FOR PERMIT TO CONDUCT REGULATED ACTIVITY

FOR COMMISSION USE ONLY:	
Filing Fee: \$ 205.00	Filing Date: APR 27 2005
Date of Regular Meeting for Consideration: 4/27/05	
APPROVED: 7/1/05	
DENIED: _____	

*** NOTICE ***

Please refer to the Inland Wetlands and Watercourses Regulations of the City of Danbury (the "Regulations") for all requirements for submission of applications.

Zone: RA-40

1. LOCATION AT WHICH ACTIVITY IS PROPOSED:

Address: Parcel B Indian Springs Rd. Assessor's Lot No.: K07020

Descriptive location -- attach map if necessary:

Property is located on the (north) (south) (east) (west) side of the above street, and distant approximately 750 feet (north) (south) (east) (west) from Stadley Rough Road (nearest intersection).

2. APPLICANT:

Name: John DeGross

Address: 19 Hamilton Drive City Danbury State CT Zip 06810

Telephone: (203) 775-1975

RECEIVED

APR 22 2005

EIC 613
CITY OF DANBURY

775-6207
Matt Reynolds
CCA, LLC

9. CHECK WHETHER ANY OF THE FOLLOWING CIRCUMSTANCES APPLY:

- Any portion of the wetlands or watercourses for which the regulated activity is proposed is located within five hundred (500) feet of the boundary of an adjoining municipality (see Section 7.13 of Regulations).
- Any portion of the property affected by the decision of the commission is located within five hundred (500) feet of the boundary of an adjoining municipality (see Section 7.14 of Regulations).
- A significant portion of the traffic to the completed project on the site will use streets within the adjoining municipality to enter or exit the site (see Section 7.14 of Regulations).
- A significant portion of the sewer or water drainage from the project site will flow through and significantly impact the sewage or drainage system within the adjoining municipality (see Section 7.14 of Regulations).
- Water run-off from the improved site will impact streets or other municipal or private property within the adjoining municipality (see Section 7.14 of Regulations).
- Any portion of the wetland or watercourse on which the regulated activity is proposed is within the watershed of a water company (see Section 7.15 of Regulations).

10. DOCUMENTS (to be submitted for complete application):

- Completed and signed "Application for Permit to Conduct Regulated Activity"
- Fourteen copies of site plans, drawings, cross sections, and reports.
Site plans must show existing and proposed conditions in relation to wetlands and watercourses, including soil types, vegetation and existing and proposed improvements.
- Fourteen Copies of Narrative Description of Proposed Activity.
Describe the proposed activity, its purpose and intended use, area of wetlands to be altered, amount and type of materials to be removed or deposited, structures and construction activities, the manner in which the work will be carried out, anticipated time of construction, and the relationship of proposed work to existing facilities, projects or activities.
- Fourteen Copies of Narrative Description of Alternatives:
Describe alternatives considered and why the proposal set forth in the application was chosen.
- List of names and mailing addresses of all owners of property abutting ~~on~~ across the street from the subject property.
- Payment of all required fees for review.

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APR 22 2005

ETC 613
CITY OF DANBURY

11. ADDITIONAL INFORMATION

The Commission may require additional information from the applicant pursuant to Sections 7.4. and 7.7 of the Regulations.

3. PROPERTY OWNERSHIP:

a. Applicant's interest in property (circle one):

Owner Developer Option Holder Other (describe) _____

b. If applicant is not owner, give name, address and daytime number of owner(s):

Name: _____ Telephone: (____) _____

Address: _____ City _____ State _____ Zip _____

4. AGENT (if applicable):

Name: _____ Title: _____

Address: _____ City _____ State _____ Zip _____

Telephone: (____) _____

5. INTENDED USE OF PROPERTY: Single family dwelling

6. TOTAL AMOUNT OF AFFECTED WETLANDS OR WATERCOURSES:

Wetlands: 0 square feet Watercourses: 0 linear feet

7. DOCUMENTS (Submit 14 copies of each document):

List the titles of site plans, drawings, cross sections with the latest revision dates, and any reports that are part of the application and are accompanying this form:

See attached.

8. DOES THE PROPOSED ACTIVITY REQUIRE:

- Subdivision or resubdivision approval
- Special Permit from Zoning Commission
- Special Exception from Planning Commission
- Variance from the Zoning Board of Appeals
- Site Plan approval by Planning Department
- Zoning Permit

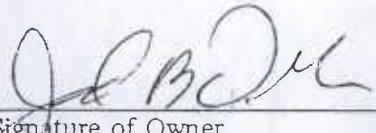
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APR 22 2005

EIC 613
CITY OF DANBURY

12. OWNER'S CONSENT TO INSPECTIONS OF PROPERTY

The undersigned, as owner of the property, hereby consents to necessary and proper inspections of the above-mentioned property by agents of the Environmental Impact Commission of the City of Danbury, at reasonable times, both before and after a final decision has been issued by the Commission.


Signature of Owner 4/22/05
Date

13. APPLICANT'S CERTIFICATION TO SUBMITTED INFORMATION

The undersigned hereby certifies that the information provided in this application including its supporting documentation is true and correct, and is aware of the penalties for obtaining a permit through deception or through inaccurate or misleading information.


Signature of Applicant 4/22/05
Date

RECEIVED

APR 22 2005

EIC 613
CITY OF DANBURY

regacapp



CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 Elm Street
Hartford, CT 06106-5127

Arthur J. Rocque, Jr., Commissioner

GIS CODE # _____
For DEP Use Only

COPY

Statewide Inland Wetlands & Watercourses Activity Reporting Form

Please complete this form in accordance with the instructions. Please print or type.

PART I: To Be Completed By The Inland Wetlands Agency Only

- DATE ACTION WAS TAKEN: Year 2005 Month July
- ACTION TAKEN: A (Approved)
- WAS A PUBLIC HEARING HELD? Yes _____ No
- NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:

ENVIRONMENTAL IMPACT COMMISSION
City Hall
155 Deer Hill Avenue
Danbury, Connecticut 06810

(print) P. M. Lee (signature) P. M. Lee

PART II: To Be Completed By The Inland Wetlands Agency Or The Applicant

- TOWN IN WHICH THE ACTION IS OCCURRING: Danbury (E1C613)
Does this project cross municipal boundaries? Yes _____ No
If Yes, list the other town(s) in which the action is occurring: _____
- LOCATION: USGS Quad Map Name: Danbury AND Quad Number: 76
Subregional Drainage Basin Number: 6600
- NAME OF APPLICANT, VIOLATOR OR PETITIONER: John DeGross
- NAME & ADDRESS/LOCATION OF PROJECT SITE: Parcel B Indian Springs Road
Briefly describe the action/project/activity: Construction of Single family residence
- ACTIVITY PURPOSE CODE: B
- ACTIVITY TYPE CODE(S): 12, _____, _____, _____
- WETLAND / WATERCOURSE AREA ALTERED [must be provided in acres or linear feet as indicated]:
Wetlands: 0 acres Open Water Body: 0 acres Stream: 0 linear feet
- UPLAND AREA ALTERED [must be provided in acres as indicated]: .17 acres
- AREA OF WETLANDS AND / OR WATERCOURSES RESTORED, ENHANCED OR CREATED: 0 acres
[must be provided in acres as indicated]

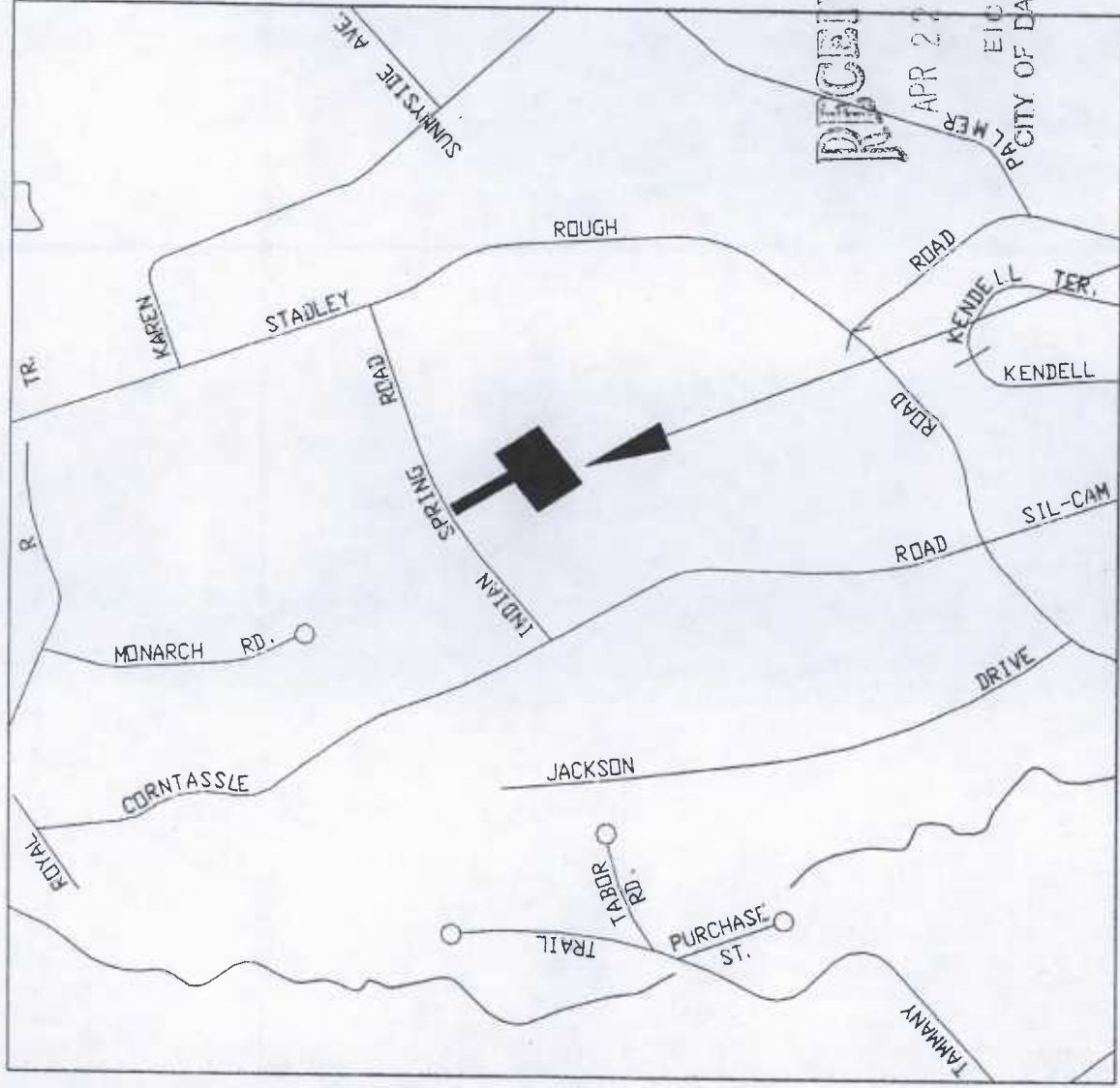
DATE RECEIVED: _____

PART III: To Be Completed By The DEP

DATE RETURNED TO DEP: _____

FORM COMPLETED: YES NO

FORM CORRECTED / COMPLETED: YES NO



RECEIVED

APR 27 2005

EIC 613
CITY OF DANBURY

VICINITY SKETCH

SITE LOCATION

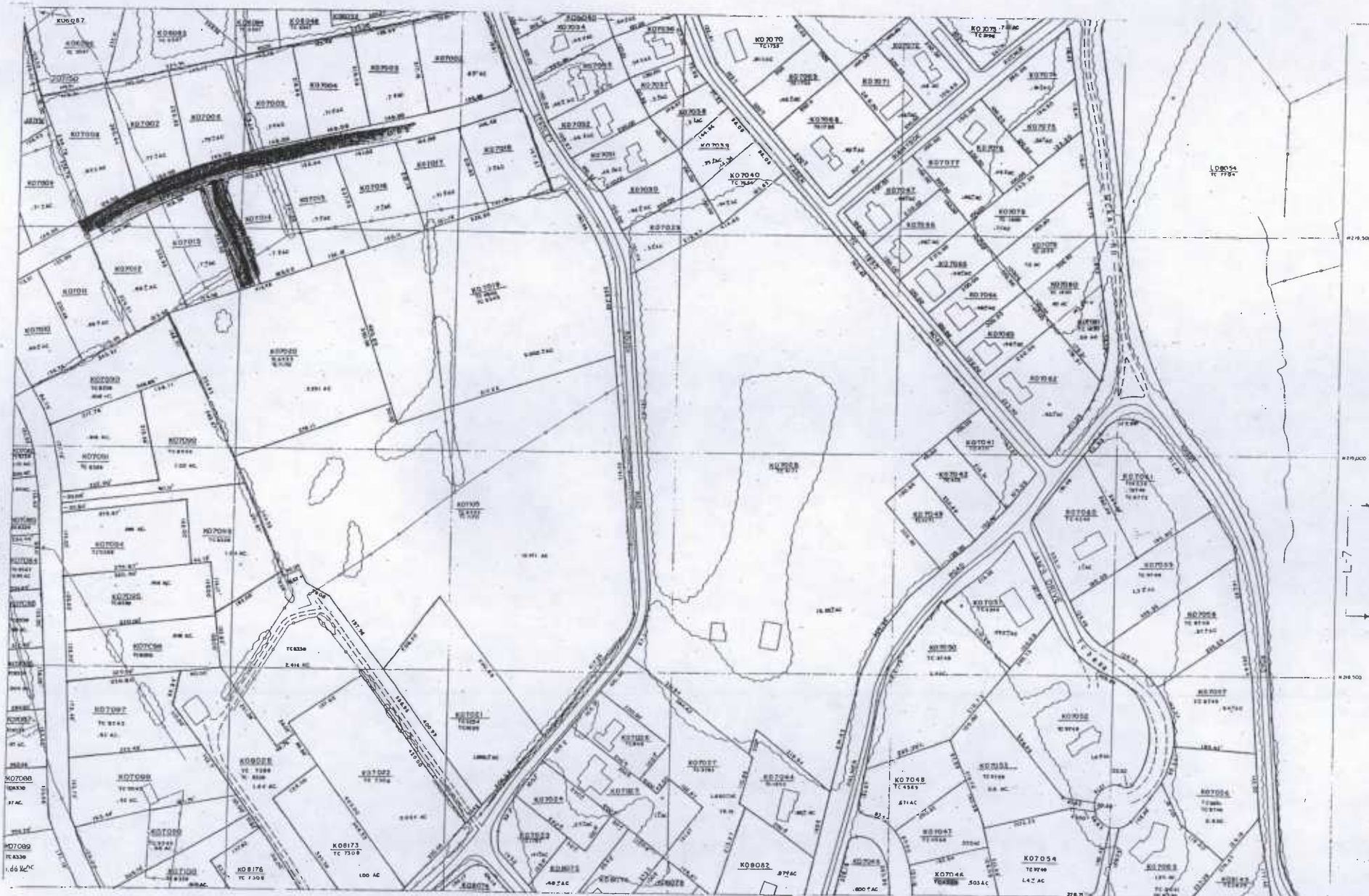
N.T.S.

Date:	4-22-05
Scale:	NTS
Proj. No.:	05931
File No.:	Map No.
Acad No.:	05931S
Sheet:	1
© COPYRIGHT ALL RIGHTS RESERVED	

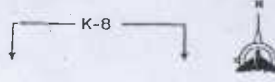


40 Old New Milford Road
Brookfield, CT 06804
(203)775-6207

33 Village Green Drive
Litchfield, CT 06759
(860)567-3179



LEGEND



TAX ASSESSOR'S MAP
CITY OF DANBURY, CONNECTICUT

COMPILED 1973 - 1974
 INFORMATION SHOWN HEREON COMPILED FROM
 A. PLANIMETRIC MAPS SUPPLIED BY THE
 ENGINEERING DEPARTMENT OF THE CITY

ADJOINING PROPERTY OWNERS
PREPARED FOR
JOHN DEGROSS
DANBURY, CT 06810

<i>ASSESSOR'S #</i>	<i>OWNER'S ADDRESS</i>
K0792	LORRAINE D. & AUSTIN C. WARNER 32 CORN TASSLE ROAD DANBURY, CT 06810
K0790	ROBIN MARIE & CHRISTOPHER CHRISTOFORIDES 28 CORN TASSLE ROAD DANBURY, CT 06810
K0712	BARRY D. & DOREEN M. BLAIN 18 INDIAN SPRING ROAD DANBURY, CT 06811-3216
K0713	ANTHONY C. & VINCENZA DIMAURO 16 INDIAN SPRING ROAD DANBURY, CT 06811-3216
K0714	KATHI TWOMBLY 12 INDIAN SPRING ROAD DANBURY, CT 06811
K0715	CHARLES H. & RUTH R. SNODGRASS 10 INDIAN SPRING ROAD DANBURY, CT 06811
K0719	CANDLEWOOD BAPTIST CHURCH 52 STADLEY ROUGH ROAD DANBURY, CT 06811-3237
K07105	COLONIAL HILLS BAPTIST CHURCH 40 STADLEY ROUGH ROAD DANBURY, CT 06811-3276
K0720	WILLIAM COFFEY 45 BEAVER BROOK ROAD DANBURY, CT 06810
K076	DONNAL L. & JAMES M. MOORE 11 INDIAN SPRING ROAD DANBURY, CT 06811-3215
K077	JEANNETTE M. SR. & MARY ANNE HUNTLEY 13 INDIAN SPRING ROAD DANBURY, CT 06811

RECEIVED

APR 22 2005

EIC 613
CITY OF DANBURY

ENVIRONMENTAL PLANNING SERVICES

May 11, 2005

Mr. Matt Scully
CCA Engineers
40 Old New Milford Road
Brookfield, CT 06804

RE: Indian Springs Road
Brookfield, CT

Dear Mr. Scully:

EPS was retained to delineate the wetlands and watercourses on the referenced site. The wetland delineation was conducted by a soil scientist, according to the requirements of the CT Inland Wetlands and Watercourses Act (P.A. 155). Wetlands are defined as areas of poorly drained, very poorly drained, floodplain, and alluvial soils, as delineated by a soil scientist. Watercourses are defined as bogs, swamps, or marshes, as well as lakes, ponds, rivers, streams, etc., whether natural or man-made, permanent or intermittent. Any competent professional may delineate watercourses.

The wetlands were delineated by walking across the parcel in question on May 3, 2005, and examining the upper 20" of the soil profile with a spade and auger. The limits of the wetlands were marked with pink plastic flagging tape numbered WL1-19. The wetland soil map unit is Ridgebury, Leicester, and Whitman, extremely stony, fine sandy loam (RN). This is an undifferentiated mapping unit consisting of two poorly drained (Ridgebury and Leicester) and very poorly drained (Whitman) soils developed on glacial till in depressions and drainageways in uplands and valleys. Their use interpretations are very similar, and they typically are so intermingled on the landscape that separation is not practical. The Ridgebury and Leicester series have a seasonal high water table at or near the surface (0-6") from fall through spring. They differ in that the Leicester soil has a more friable compact layer or hardpan, while the Ridgebury soils have a dense to very dense compact layer. The Whitman soil has a high water table for much of the year and may frequently be ponded.

The non-wetland soils were not examined in detail, except as was necessary to mark the wetland boundary. They consist primarily of Paxton (Pb) and Woodbridge (Wx) fine sandy loam (Pb). The Paxton series consists of well drained loamy soils formed in subglacial till. The soils are very deep to bedrock and moderately deep to a densic contact (known locally as hardpan). They are nearly level to steep soils on till plains, hills, and drumlins. The depth to the densic contact and material is commonly 20 to 40 inches but the range includes 18 to 40 inches. Depth to bedrock is commonly more than 6 feet. Rock fragments range from 5 to 35 percent by volume. Some pedons have a thin E horizon below the A horizon. It has hue of 10YR or 2.5Y, value of 4 to 6, and chroma of 1 to 3.

RECEIVED

MAY 24 2005

89 BELKNAP ROAD, WEST HARTFORD, CONNECTICUT 06117
PHONE 860-236-1578 FAX

EIC 613
CITY OF DANBURY

FROM :

FAX NO. :

Dec. 11 2002 09:42AM P1

The Woodbridge series consists of moderately well drained loamy soils formed in compact, subglacial till. They are very deep to bedrock. They are nearly level to moderately steep soils on till plains, hills, and drumlins. Depth to the compact layer (hardpan) is 18 to 40 inches. Depth to bedrock is commonly more than 6 feet. Woodbridge soils have a seasonal high water table on top of the compact layer (18-40") from fall through late spring.

Respectfully submitted,



Michael S. Klein, Principal
Registered Soil Scientist

RECEIVED

MAY 24 2005

EIC 613
CITY OF DANBURY.

Post-it® Fax Note		7671	Date	5/24	# of pages	2
To	MAT		From	MS Klein		
Co./Dept.	CCA		Co.			
Phone #			Phone #			
Fax #			Fax #			

Richard W. Howard, Jr., P.E.
Russell T. Posthauer, Jr., P.E.
Michael J. Lillis, P.E.
Richard A. Bunnell, R.L.S.
Ronald J. George, P.E.
Alph A. Klass, P.E., L.E.P.
Merick E. Cameron, ASLA, AICP
Steven C. Sullivan, P.E.
Matthew Scully, P.E.



September 12, 2006

40 Old New Milford Road
Brookfield, CT 06804
(203) 775-6207
Fax (203) 775-3628
Email: mail@ccaengineering.com
33 Village Green Drive
Litchfield, CT 06759
(860) 567-3179
Fax (860) 567-1716
Email: cca_litchfield@snet.net

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SEP 13 2006

613

ENVIRONMENTAL IMPACT
COMMISSION
CITY OF DANBURY

Mr. Daniel Baroody
City of Danbury
Health Department
155 Deer Hill Avenue
Danbury, CT 06810

RE: 14 Indian Springs Road
Wetland Remediation Plan

Dear Dan:

Attached you will find the Wetlands Remediation Plan for the above referenced project. The plan is being submitted in response to comments and issues raised during our site visit on June 28, 2006. Shown on the plan are the locations of the originally approved house, driveway, pool and conservation easement, along with the existing and proposed locations of the same, as well as the location of the unapproved existing asphalt pad. The issues raised during the site walk were as follows.

- 1) The encroachment, on the western side of the existing driveway, into the wetlands, between flags 13 and 14.
- 2) The increase in area, associated with the additional parking and turnaround areas within the existing driveway and the additional impervious area associated with the asphalt pad in the rear yard.
- 3) The additional clearing and grading performed along the western side of the property, within the review area.

The Wetland Remediation Plan addresses these issues as follows.

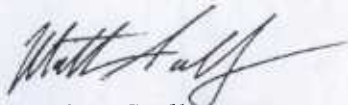
- 1) A Wetland Restoration Area has been created to match the amount of wetlands disturbed by the construction of the driveway. A planting list is shown on the plan for this area.
- 2) The Conservation Easement has been moved, farther to the east, to create a larger buffer between the lawn area and the wetlands. The originally approved Buffer Plantings have also been relocated to follow the new Conservation Easement Line.
- 3) The grading slope, to the west of the house, is to be seeded with a conservation mix and is not to be maintained.

In addition, to prevent any further encroachment into the Conservation Easement area, a split rail fence is proposed along the Conservation Easement as shown.

City of Danbury
September 12, 2006
Page -2-

If any additional information is required, with regard to this request, please feel free to contact me.

Very truly yours,



Matthew Scully, P.E.
Project Manager

MS/hf

Cc: Jose Carvalho



40 OLD NEW MILFORD ROAD
BROOKFIELD, CONNECTICUT 06804
(203) 775-6207
(203) 775-3628 FAX

LETTER OF TRANSMITTAL

TO: Daniel Baroody
City of Danbury

Date: September 12, 2006
Re: 14 Indian Springs Road
Job No.: 05-931
Sent Via: UPS Ground

COPIES	DATE	NO.	DESCRIPTION
6			Wetland Remediation Plan

RECEIVED
SEP 13 2006 #613
ENVIRONMENTAL IMPACT
COMMISSION
CITY OF DANBURY

THESE ARE TRANSMITTED as checked below:

For approval For your use As requested For review and comment

REMARKS

COPY TO 1 j. Carvalheiro
1 record SIGNED: Heather Fleet

If enclosures are not as noted, kindly notify us at once

Indian Spring Road – Parcel B

Regulated Activity # 613

John DeGross

Assessor's Lot # K07020, RA-40 Zone.

Date of Receipt: 4/27/05.

Single-family residence.

First 65 Days: 7/1/05. Second 65 Days: 9/4/05. CCA, LLC. Matthew Scully, P.E., took the mic at 10:14 pm. Scully described the vicinity. It's an interior parcel with an accessway, about 3¼ acres. One single-family house is proposed with a 12-foot wide driveway. Wetlands come within 6 or 7 feet of the driveway. We are within the regulated area. Scully went to the easel to show the "very gentle slope". The driveway will remain gravel, and minimal grading is needed. "It's basically at grade", so we propose to replant the area with a New England Conservation mix. As for the other disturbance, we'll have a small splash pad and a riprap pad for the drainage. Lees had a question on the Conservation Easement. He, Scully and LeRoy discussed the elevations, slopes, pipes, basement excavation, daylighting the footing drains, keeping the house elevated, curtain drain requirements, only one trench will be put in, planting & stabilizing that outlet area, the Conservation Easement and monuments. LeRoy asked who is the soil scientist. Are the flags up in the field? Scully replied Henry T. Moeller is the soil scientist, and he's on vacation. Regarding the flags, Scully does not know if they're up, but he will have it reflagged as needed. The corners are staked. Pinkham made a motion to table. Mills seconded the motion and it carried unanimously.

4/27/05
EIC
minutes

COPY

Indian Spring Road – Parcel B

Regulated Activity # 613

John DeGross

Assessor's Lot # K07020, RA-40 Zone.

Date of Receipt: 4/27/05.

Single-family residence.

*EIC
6/8/05
minutes*

First 65 Days: 7/1/05. Second 65 Days: 9/4/05. CCA, LLC. Soils report and erosion control plan rec'd. 5/24/05. Sewer plan & alternate plan rec'd. 5/31/05. Matthew Scully, P.E., identified himself and took the microphone at 9:38 pm. He said Henry T. Moeller did the original wetland flagging. Michael Klein visited the site in early May. I've submitted his report, Scully said. We have not changed the driveway location due the wetlands. "We held the more conservative line". LeRoy asked is there no mitigation? Can you describe the wetlands? I have not seen this area. Scully replied there are only 85 sq.ft. of wetlands, and no mitigation is proposed. John DeGross came forward and identified himself. He said the neighbors were using this land as a dump site. We haven't touched any of it. "We'll go back in and clean this up." LeRoy asked for a planting plan. John DeGross, using sheet E-1 on the easel, said I've no problem with a planting plan. LeRoy asked the EIC do the Commissioners want a Conservation Easement. He explained what this is to DeGross. DeGross said a Conservation Easement is not an issue for me. Chianese asked should we move this to Administrative Approval? Mills motioned to **move EIC 613 to Administrative Approval**. Russell seconded the motion, and it carried unanimously at 9:44 pm.

EROSION & SEDIMENTATION CONTROL PLAN AND CONSTRUCTION SEQUENCE

A. VALIDITY AND PROJECT DESCRIPTION

1. This document is to be considered an integral part of the plans prepared for the project by CCA, LLC. The procedures outlined herein are to be strictly followed during the construction operations.

2. The project consists of the construction of a single family dwelling with related septic system, well and driveway. There is no proposed filling of a wetland or vernal pool.

3. APPROXIMATE START DATE: SUMMER 2005 (dependent on permits)
ESTIMATED TIME TO COMPLETE: 8 MONTHS
COMPLETION DATE: SPRING 2006

4. The above dates are subject to receipt of all required permits and contractual obligations. The Erosion and Sediment Control Officer shall be provided with updated schedules as they become available.

5. A responsible person is charged to provide prior to construction:
- Erosion and Sediment Control Officer
- Telephone: To be provided prior to construction.

C. GENERAL CONSTRUCTION SEQUENCE

1. Obtain all permits.
 - Notify "Call Before You Dig" for utility markings as necessary.
 - Notify of applicable City Officials of construction as required.
2. Install sediment fence at top of proposed slope and as shown on the plans. Take particular care to insure installation of sediment fence adjacent to the wetland. Avoid re-entraining silt.
3. Maintenance of erosion controls to occur at all times during construction.
4. Grading of lawn and trees within the proposed areas to be developed including:
 - Maintain all stockpiles of graded soil from disturbed areas.
 - Grading to be graded with annual rain gauge test.

1. Construction to include any and/or placement of fill or excavation on the site shall:
 - Conform to proposed improvements, building or other structures, utilities, etc.
 - Meet final stabilization (grass, landscaping, permanent, etc.) as soon as possible.
 - Temporary stabilization measures to occur at all times.

2. Final Site Stabilization:
 - Final grade shall be established on all areas.
 - Areas located on all disturbed areas shall include seed and mulch.
 - Final stabilization shall include permanent seeding and mulch.
 - Final stabilization shall include permanent seeding and mulch.

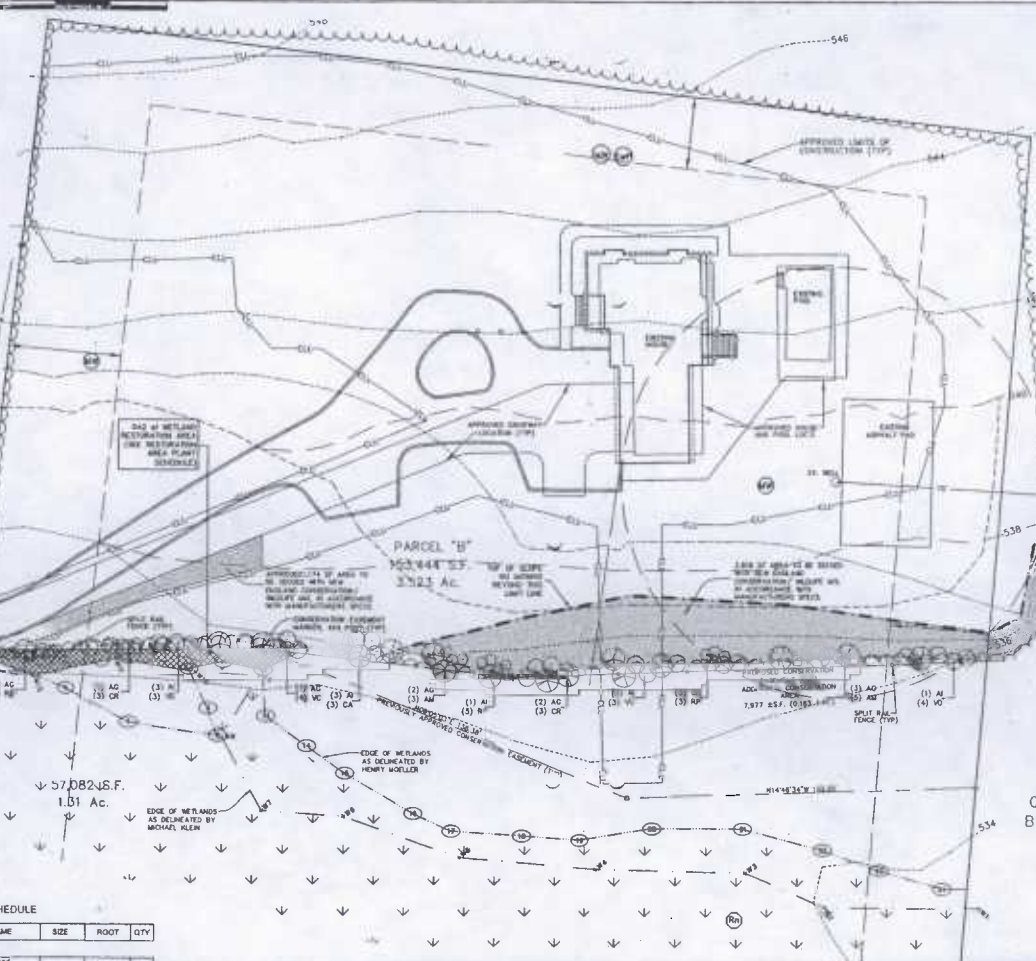
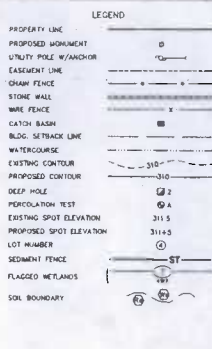
3. GENERAL REQUIREMENTS:
 - 1. All disturbed areas to be stabilized by topsoiling, seeding and mulching as soon as possible. Care to be taken to prevent erosion and sediment on the site to be disturbed.
 - 2. Final stabilization shall include permanent seeding and mulch.
 - 3. Final stabilization shall include permanent seeding and mulch.
 - 4. Final stabilization shall include permanent seeding and mulch.

4. EROSION AND SEDIMENTATION CONTROL MEASURES:
 - 1. Erosion and sediment control measures shall be installed during construction, if necessary, to prevent erosion and sedimentation.
 - 2. Erosion and sediment control measures shall be installed during construction, if necessary, to prevent erosion and sedimentation.
 - 3. Erosion and sediment control measures shall be installed during construction, if necessary, to prevent erosion and sedimentation.

E. CONTROL MEASURE SELECTION PROCESS

1. Erosion is caused and movement water movement and sediment movement. The objective of the erosion and sediment control plan is to prevent or reduce sediment damage. The steps involved in the erosion control selection process are as follows:

1. Identify erosion and sediment control measures.
2. Evaluate erosion and sediment control measures.
3. Select erosion and sediment control measures.
4. Implement erosion and sediment control measures.
5. Maintain erosion and sediment control measures.



The three basic methods used to control erosion are soil stabilization, runoff control and sediment control. A combination of these three methods is proposed in order to minimize soil-erodiment damage.

1. SOIL MOVEMENT: Soil movement is created by sheet erosion, rill erosion and wind erosion.

2. PROBLEM AREAS: Problem areas consist of drainage swales, watercourses and slope areas. The erosion control plan shall address the erosion control measures for all problem areas.

3. SOIL MOVEMENT: Water movement can create gully erosion, channel and stream erosion. Controlling water movement can prevent soil erosion on all sites.

4. PROBLEM AREAS: Problem areas consist of drainage swales, watercourses and slope areas. The erosion control plan shall address the erosion control measures for all problem areas.

5. CONTROL MEASURE GROUP: Control Measure Group consists of retention, retention, and stabilization structures.

6. SOIL STABILIZATION (SP) is required at the point of discharge for all culverts.

7. SEDIMENT MOVEMENT: Sediment movement is created by water or wind forces causing soil particles to move which in turn can affect all sites where it is properly contained.

8. PROBLEM AREAS: Problem areas are both small and large watercourses, level areas and drainage swales.

9. CONTROL MEASURE GROUP: Control Measure Group consists of retention, retention, and stabilization structures.

10. Final Site Stabilization: Final grade shall be established on all areas. Areas located on all disturbed areas shall include seed and mulch.

11. GENERAL REQUIREMENTS: All disturbed areas to be stabilized by topsoiling, seeding and mulching as soon as possible.

12. EROSION AND SEDIMENTATION CONTROL MEASURES: Erosion and sediment control measures shall be installed during construction, if necessary, to prevent erosion and sedimentation.

13. CONTROL MEASURE SELECTION PROCESS: Erosion is caused and movement water movement and sediment movement. The objective of the erosion and sediment control plan is to prevent or reduce sediment damage.

14. IDENTIFY EROSION AND SEDIMENTATION CONTROL MEASURES: Identify erosion and sediment control measures.

15. EVALUATE EROSION AND SEDIMENTATION CONTROL MEASURES: Evaluate erosion and sediment control measures.

16. SELECT EROSION AND SEDIMENTATION CONTROL MEASURES: Select erosion and sediment control measures.

17. IMPLEMENT EROSION AND SEDIMENTATION CONTROL MEASURES: Implement erosion and sediment control measures.

18. MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES: Maintain erosion and sediment control measures.

19. ALTERNATIVE SITE PLANS: Two Alternative Site Plans were explored for this property. The first alternative is a two-lot plan. This plan was not selected due to the desire of the applicant to subdivide the property into two lots.

RESTORATION AREA PLANT SCHEDULE

SYM	BOTANICAL-NAME	COMMON-NAME	SIZE	ROOT	QTY
CG	Chaetochloa glabra	White Tussock Grass	2" plug	Baller	2
CP	Carex paleacea	Marsh Matgrass	2" plug	Baller	2
CS	Carex stricta	Tussock Sedge	2" plug	Baller	2
CL	Carex lupulina	Hop Sedge	2" plug	Baller	1
LC	Lobelia cardinalis	Common Bellflower	2" plug	Baller	1
DC	Dryas octopetala	Common Tarn	1# Cone	100	
SP	Symplocos foetida	Spiny Dogwood	2" plug	Baller	4
TH	Thalictrum flavum	Marsh Flax	1# Cone	100	

NOTE: INSTALL PLANTS 2-FT TO 3-FT ON-CENTER IN GROUPS OF 5 TO 7 PLANTS

SEED MIX SCHEDULE

CONSERVATION WILDLIFE MIX - by New England Wetland Plants, Inc. SPECIES: Andropogon gerardii (Big Bluestem), Panicum virginicum (Switchgrass), Solidago nemoralis (Blue Broomrape), Elymus canadensis (Canada Wild Rye), Carex vulpocarpa (Fox Sedge), Thalictrum flavum (Marsh Flax), Bromus ciliaris (Fringed Bromegrass), Polygonum pennsylvanicum (Persicaria Smartweed), Ageratum spicatum (Common Milkweed), Bidens ciliaris (Hoop Net), Desmodium canadense (Shoney Tick Trillium), Aster laevis (Slimy Smooth Aster), Aster umbellatus (Flat Top Aster).

1. Final Site Stabilization: Final grade shall be established on all areas. Areas located on all disturbed areas shall include seed and mulch.

2. GENERAL REQUIREMENTS: All disturbed areas to be stabilized by topsoiling, seeding and mulching as soon as possible.

PLANT SCHEDULE

SYM	BOTANICAL-NAME	COMMON-NAME	SIZE	ROOT	QTY
SH	Shrub				
AM	Amelanchier canadensis	Shoebush	3'-4" H	Cone	16
AO	Artemisia canadensis	Common Wormwood	3'-4" H	Cone	16
AM	Aster multiflorus	Common Aster	2'-3" H	Cone	16
CA	Caltha alba	White Marsh Marigold	2'-3" H	Cone	16
CR	Cornus racemosa	Spiny Dogwood	18"-24" H	Cone	10
RP	Rosa palustris	Wild Rose	2'-3" H	Cone	16
VB	Viburnum acerifolium	Black Honeysuckle	2'-3" H	Cone	10
VB	Viburnum dentatum	Black Honeysuckle	2'-3" H	Cone	10



RECEIVED SEP 13 2006 4:13

WETLAND REMEDIATION PLAN
 PREPARED FOR
JOSE & CHRISTINA CARVALHO
 14 INDIAN SPRINGS ROAD
 DANBURY, CONNECTICUT

Date: 9-12-06
 Scale: 1"=20'
 Plot No: 05931
 File No:
 Aired No: 0593124M
 Sheet: W1

40 Old New Milford Road
 Broadfield, CT 06804
 (803)776-8107

35 Village Green Drive
 Litchfield, CT 06759
 (860)581-3700

EROSION & SEDIMENTATION CONTROL PLAN AND CONSTRUCTION SEQUENCE
A. VALUITY AND PROJECT DESCRIPTION

VALUITY
 This document is to be considered an integral part of the plans prepared for the project by CCA, LLC. The procedures outlined herein are to be strictly followed during the construction operations.

PROJECT DESCRIPTION
 The project consists of the construction of a single family dwelling with related water system, well and driveway. There is no proposed filling of a hydrocarbon wetlands.

B. START AND COMPLETION DATES
 APPROXIMATE START DATE: SUMMER 2005 (dependent upon approvals)
 ESTIMATED TIME TO COMPLETE: 6 MONTHS
 COMPLETION DATE: SPRING 2006

The above dates are subject to receipt of all required permits, and contractor scheduling. The Erosion and Sedimentation Control Officer shall be provided with updated schedules as they become available.

Responsible person in charge: To be provided prior to construction.
 Telephone: To be provided prior to construction.

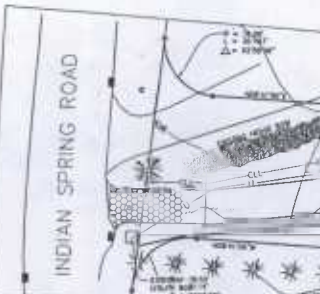
C. GENERAL CONSTRUCTION SEQUENCE

- Obtain all permits.
- Notify "Call Before You Dig" for utility marked as necessary.
- Notify all applicable City/State of construction as required.
- Install sediment fences at top of proposed areas and as shown on the plans. Take particular care to insure installation of sediment fences adjacent to the wetlands.
- Install silt-fencing areas.
- Installation of erosion control to occur at all times during construction.
- Remove all brush and trees within the proposed areas to be developed including slope areas.
- Remove and dispose of liquid from disturbed areas.
- Topsoil to be seeded with annual ryegrass seeds.

1. All disturbed areas to be stabilized by seeding, mulching or matting as soon as practical. Care to be taken to ensure areas not indicated on the plans to be constructed.
2. Erosion control shall be installed on all disturbed areas and maintained until all slopes and other disturbed areas are stabilized.
3. Erosion control shall be installed on all disturbed areas and maintained until all slopes and other disturbed areas are stabilized.
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E. CONTROL MEASURE SELECTION PROCESS

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9. Erosion control shall be installed on all disturbed areas and maintained until all slopes and other disturbed areas are stabilized.
10. Erosion control shall be installed on all disturbed areas and maintained until all slopes and other disturbed areas are stabilized.



The three basic methods used to control erosion are soil stabilization, vegetative control and sediment control. A combination of these three methods is proposed in order to minimize soil erosion and sediment.

- SOIL MOVEMENT:** Soil movement is controlled by sheet erosion, rill erosion and soil erosion.
- VEGETATIVE CONTROL:** Vegetative control is achieved by seeding, mulching or matting as soon as practical. Care to be taken to ensure areas not indicated on the plans to be constructed.
- SEDIMENT CONTROL:** Sediment control is achieved by installing sediment fences, silt-fencing, erosion control structures, and other measures.
- EROSION CONTROL:** Erosion control is achieved by installing sediment fences, silt-fencing, erosion control structures, and other measures.
- SEEDING:** Seeding is achieved by installing sediment fences, silt-fencing, erosion control structures, and other measures.
- MULCHING:** Mulching is achieved by installing sediment fences, silt-fencing, erosion control structures, and other measures.
- MATTING:** Matting is achieved by installing sediment fences, silt-fencing, erosion control structures, and other measures.

1. Final Erosion Control (EC) structures shall be installed in accordance with the approved site plan. The structures shall be constructed as specified on the plans.
2. Sediment Barriers (SB) shall be installed in accordance with the approved site plan. The structures shall be constructed as specified on the plans.
3. Silt-fencing (SF) shall be installed in accordance with the approved site plan. The structures shall be constructed as specified on the plans.
4. Erosion Control Structures (ECS) shall be installed in accordance with the approved site plan. The structures shall be constructed as specified on the plans.
5. Sediment Barriers (SB) shall be installed in accordance with the approved site plan. The structures shall be constructed as specified on the plans.
6. Silt-fencing (SF) shall be installed in accordance with the approved site plan. The structures shall be constructed as specified on the plans.
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10. Erosion Control Structures (ECS) shall be installed in accordance with the approved site plan. The structures shall be constructed as specified on the plans.

F. MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL

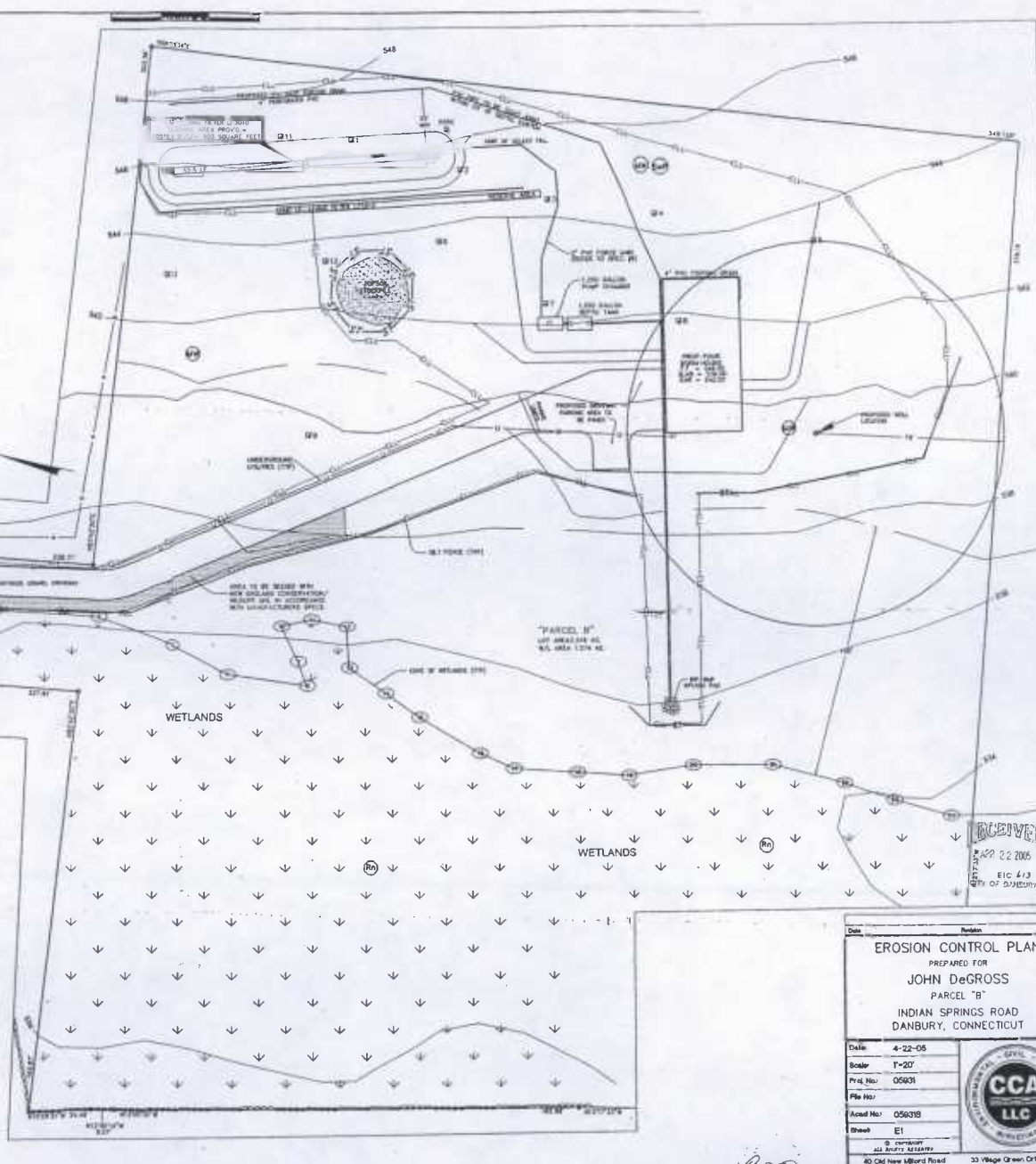
1. All erosion and sedimentation controls to be checked weekly and repairs made if necessary.
2. Prior to the time of any forecasted rainfall, all erosion and sedimentation controls to be checked and necessary repairs made.
3. All soil to be removed from erosion and sedimentation controls as necessary and/or prior to any forecasted rainfall.
4. All erosion and sedimentation controls to be checked and necessary repairs made.
5. All erosion and sedimentation controls to be checked and necessary repairs made.
6. All erosion and sedimentation controls to be checked and necessary repairs made.
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8. All erosion and sedimentation controls to be checked and necessary repairs made.
9. All erosion and sedimentation controls to be checked and necessary repairs made.
10. All erosion and sedimentation controls to be checked and necessary repairs made.

G. PLANTING SCHEDULE

1. Type of grass seed to be used shall conform to Chapter 3 of the "2003 Connecticut Department of Environmental Protection (DEP) Erosion Control (ESC)" for each type of erosion control.
2. Quantity, fertilization and method of installation for all plantings shall conform to the "ESC".
3. Planting sites shall conform to "ESC" for temporary and permanent grass seeds and all other plantings.
4. Maintenance of all seeded and planted areas to be conform to the requirements of the "ESC".
5. All seeded areas are to be mulched and seeds shall be determined to have adequate work area to be planted as soon as practical.
6. During final final site work, when final control is placed, all disturbed areas to be seeded in accordance with Chapter 3 of the "ESC" and be seeded or sown as the control areas permit.
7. Other areas to be seeded or sown as the control areas permit.

ALTERNATIVE SITE PLANS

Two "Alternative Layouts" were explored for this property. The first alternative is a two-lot subdivision. This alternative did not meet the desires of the owner. The second alternative explored was to subdivide the property into two lots. This alternative was not proposed due to the impacts on the wetlands and required area required for the construction of the driveway, houses and public systems. It was determined that the proposed development was the most feasible for the property.



RECEIVED
 APR 22 2005
 EIC #13
 CITY OF DANBURY

Date:	4-22-05
Scale:	1"=20'
Proj. No.:	05031
File No.:	
Acad. No.:	050318
Sheet:	E1

EROSION CONTROL PLAN
 PREPARED FOR
JOHN DeGROSS
 PARCEL "B"
 INDIAN SPRINGS ROAD
 DANBURY, CONNECTICUT

33 Wagon Wheel Road
 Brookfield, CT 06804
 1203/76-2017

ABBREVIATIONS

ASCP	APPROXIMATE
BF	ASPHALT COATED CORRUGATED METAL PIPE
B.M.	BASEMENT FLOOR
B.C.L.C.	BENCH MARK
B.L.C.C.	BITUMINOUS CONCRETE LIP CURB
B.L.D.C.	BUILDING
CB	CAST IRON PIPE
CP	PROPOSED MONUMENT
CB	CATCH BASIN
CD	CURTAIN DRAIN
CH	CHORD
CLL	CONSTRUCTION LIMIT LINE
CONC.	CONCRETE
CONST.	CONSTRUCT
CMP	CORRUGATED METAL PIPE
CPPEP(+)	CORRUGATED POLYETHYLENE PIPE, TYPE S
CULV.	CULVERT
D.O.T.	DEPARTMENT OF TRANSPORTATION
DB	DISTRIBUTION BOX
DMH	DRAINAGE MANHOLE
DH	DEEP HOLE
DR	DRIVEWAY
DIP	DUCTILE IRON PIPE
EOP	EDGE OF PAVEMENT
ELEC.	ELECTRIC
ELEV.	ELEVATION
EXIST., EX.	EXISTING
EG	EXISTING GRADE
FE	FLARED END
FF	FIRST FLOOR
FG	FINISH GRADE
FND.	FOUNDATION
G.P.D.	GALLONS PER DAY
GAR.	GARAGE
GND	GROUND
GV	GAS VALVE
H.W.	HEADWALL
HC	HANDICAP
HIGHW.	HIGHWAY
HYD.	HYDRANT
IN	INLET
INV.	INVERT
I.P.	IRON PIPE
L	LENGTH
L.F.	LINEAR FEET
LP	LIGHT POLE
LH	MANHOLE
MAX	MAXIMUM
MET.	METAL
MBR.	METAL BEAM RAIL
MN.	MINIUM
MISC.	MISCELLANEOUS
MON.	MONUMENT
NO	NUMBER
OUT	OUTLET
PERC	PERCOLATION TEST
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
PVRC	POINT OF VERTICAL REVERSE CURVE
PVC	POLYVINYL CHLORIDE PIPE
PROJ.	PROJECT
PL	PROPERTY LINE
PROP., PR.	PROPOSED
PS	PUMP STATION
R	RADIUS
RR	RAILROAD
RC/P	REINFORCED CONCRETE PIPE
RELOC.	RELOCATION
REQ'D.	REQUIRED
RET.	RETAINING
ROW	RIGHT OF WAY
RD	ROAD
RD	ROOF DRAIN
SAN.	SANITARY
SSHP	SANITARY SEWER MANHOLE
SBRP	SMOOTH BORE RIBBED POLYETHYLENE PIPE
ST	SEPTIC TANK
ST	SEWMENT FENCE
SPEC.	SPECIFICATION
SPK	SPIKE
STK	STAKE
STD	STANDARD
STA	STATION
SW	STONE WALL
SS	SANITARY SEWER
STY.	STORY
ST.	STREET
TAN	TANGENT
TEL	TELEPHONE
TEMP.	TEMPORARY
TF	TOP OF FRAMC
U-DRAIN	UNDER DRAIN
VERT.	VERTICAL
W/V	WATER VALVE
W/	WITH
YD.	YARD
YD	YARD DRAIN

GENERAL LEGEND

PROPERTY LINE	— — — — —
EXISTING MONUMENT	○
EXISTING IRON PIN OR PIPE	●
PROPOSED IRON PIN OR PIPE	○
PROPOSED MONUMENT	■
DRILL HOLE	□
STONE BOUND	Y
UTILITY POLE W/ANCHOR	□
EASEMENT LINE	— — — — —
CHAIN FENCE	— — — — —
WOOD FENCE	— — — — —
STONE WALL	— — — — —
WIRE FENCE	— — — — —
CATCH BASIN	■
LIGHT POLE	○
BLDG. SETBACK LINE	— — — — —
WATERCOURSE	— — — — —
FLOODWAY	— — — — —
FLOODPLAIN	— — — — —
EXISTING CONTOUR	310
PROPOSED CONTOUR	310
DEEP HOLE	2
PERCOLATION TEST	A
EXISTING SPOT ELEVATION	311.5
PROPOSED SPOT ELEVATION	311+5
LOT NUMBER	①
STREET NUMBER	55
TREE LINE	(---)
SEDIMENT FENCE (ST)	(---)
FLAGGED WETLANDS	(---)
SOL BOUNDARY	(---)
ROCK OUTCROP	(---)
CONSTRUCTION FENCE (CF)	CF
HAY BALES (HB)	HB
FOOTING DRAIN (F)	F
ROOF DRAIN (R)	R
PRIMARY SEPTIC SYSTEM AREA	(P)
RESERVE SEPTIC SYSTEM AREA	(R)
SOLAR ACCESS	☆

GUIDE RAIL	— — — — —
EXISTING CURB	— — — — —
GRAVEL ROAD	— — — — —
EXISTING MANHOLE	○
EXISTING SANITARY SEWER MANHOLE	○
EXISTING WATER VALVE	○
EXISTING GAS VALVE	○
EXISTING FIRE HYDRANT	○
EXISTING SIGN	○
HANDICAP PARKING SPACE	○
WELL	○
TRAFFIC FLOW DIRECTION	→
MONITORING WELL	○
SWALE, GRADE TO DRAIN	— — — — —
EXISTING RETAINING WALL	— — — — —
PROPOSED RETAINING WALL	— — — — —
RAILROAD TRACKS	— — — — —
RRAP PAD	— — — — —
EXIST. GAS MAIN	— — — — —
EXIST. ELECTRIC SERVICE	— — — — —
EXIST. TELEPHONE LINE	— — — — —
EXIST. WATER MAIN	— — — — —
EXIST. SANITARY SEWER	— — — — —
PROPOSED GAS MAIN	— — — — —
PROPOSED ELECTRIC SERVICE	— — — — —
PROPOSED TELEPHONE LINE	— — — — —
PROPOSED WATER MAIN	— — — — —
PROPOSED SANITARY SEWER	— — — — —
PROPOSED FIRE HYDRANT	— — — — —
PROPOSED WATER VALVE	— — — — —
PROPOSED WATER SHUT-OFF	— — — — —
PROPOSED GAS VALVE	— — — — —
SCREENED REFUSE AREA	— — — — —
PROPOSED CATCH BASIN	— — — — —
PROPOSED MANHOLE	— — — — —
PROPOSED LAWN DRAIN	— — — — —
PROPOSED LIGHT POLE	— — — — —
PROPOSED BUILDING LIGHT	— — — — —

GENERAL NOTES

1. ALL WORK TO MEET TOWN OR CITY, STATE AND FEDERAL CODES, REGULATIONS AND STANDARDS AS APPLICABLE.
2. DISCREPANCIES IN THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY FOR RESOLUTION.
3. ALL PERMITS SHALL BE OBTAINED PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING REQUIRED PERMITS AND NOTIFYING THE TOWN OR CITY DEPARTMENTS AND THE ENGINEER FOR INSPECTIONS.
5. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL MEET CONNECTICUT D.O.T. STANDARDS FOR ITEMS NOT SPECIFIED IN THE TOWN OR CITY REGULATIONS.
6. ALL CATCH BASINS, MANHOLES, PIPING, AND OTHER UTILITY COMPONENTS WITHIN TRAFFIC AREAS SHALL BE CAPABLE OF SUPPORTING H-20 LOADING.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL ON-SITE AND OFF-SITE FIELD CONDITIONS AND VERIFY THAT NO CHANGES HAVE OCCURRED SINCE THE ISSUANCE OF THIS PLAN. THE DESIGN ENGINEER IS TO BE NOTIFIED OF ANY CHANGES WHICH CONFLICT WITH THIS PLAN.
8. THE EROSION CONTROL LINE (ST) IS TO BE CONSIDERED AS THE LIMIT OF CONSTRUCTION UNLESS OTHERWISE NOTED.
9. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND QUANTITIES SHOWN ON THESE PLANS PRIOR TO PROCEEDING WITH CONSTRUCTION AND ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER WHOM SHALL HAVE FINAL SAY AS TO THE ACTUAL DIMENSIONS TO CONSTRUCT BY.
10. STRICT ADHERENCE TO ALL OSHA, TOWN OR CITY AND STATE OF CONNECTICUT REGULATIONS REGARDING CONSTRUCTION IS REQUIRED AT ALL TIMES.
11. CONTRACTOR SHALL NOTIFY CALL-BEFORE-YOU-DIG (1-800-922-4455) FOR UTILITY MARKING PRIOR TO CONSTRUCTION.
12. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR JOB SAFETY.
13. ALL UTILITIES TO BE INSTALLED UNDERGROUND.
14. UTILITY LOCATIONS WILL BE AS DETERMINED BY THE UTILITY COMPANIES.
15. THE LOCATION AND ELEVATION OF UNDERGROUND UTILITIES IS UNKNOWN. IF THEY ARE INDICATED AT ALL ON THESE PLANS, THEY ARE APPROXIMATE AND CCA, LLC, ITS PRINCIPALS OR EMPLOYEES, SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES AND/OR ADDITIONAL COSTS WHICH MIGHT RESULT FROM THE EXISTENCE OF SAID UTILITIES.
16. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING ANY WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
17. ALL GRADING SHALL BE PERFORMED TO ELIMINATE LOW POINTS AND DEPRESSIONS WHICH WOULD TRAP SURFACE WATER. CONTACT THE DESIGN ENGINEER IF CHANGES ARE WARRANTED.
18. GRADING TO BE TO ALL APPLICABLE REGULATIONS AND NORMAL STANDARDS OF GOOD PRACTICE.
19. MAJOR GRADING CHANGES ARE PERMITTED TO MEET FIELD CONDITIONS PROVIDED PRIOR APPROVAL IS OBTAINED FROM THE ENGINEER.
20. GRADING SHALL MAINTAIN EXISTING RUNOFF CONDITIONS.
21. ALL BACKFILL FOR BUILDINGS, TRENCHES, STRUCTURES, PARKING, DRIVEWAY AND SIDEWALK ETC. SHALL BE ADEQUATELY COMPACTED TO PREVENT EXCESSIVE SETTLEMENT. CONTACT THE ENGINEER SHOULD ADDITIONAL CLARIFICATION BE NECESSARY.
22. CONTRACTOR TO MATCH INTO EXISTING CONDITIONS AT ALL POINTS WHERE CONSTRUCTION MUST MATCH EXISTING CONDITIONS.
23. ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED SO THAT THEY MAY BE ADJUSTED DOWN AT LEAST 12".

RECEIVED
APR 22 2005
EIC 613
CITY OF DANBURY

GENERAL LEGEND, NOTES AND ABBREVIATIONS

Date	SEPT. 2002
Book	N.T.B.
Proj. No.	GENERAL
File No.	BTD
Access No.	GENERAL
Sheet	11



CCA
LLC

40 Old New Milford Road
Brookfield, CT 06804
(303) 776-9327

35 Village Green Drive
Litchfield, CT 06759
(860) 647-3778

RIP RAP (RR)

(RR)

1. PURPOSE AND SCOPE
2. MATERIALS
3. PREPARATION OF SUBGRADE
4. INSTALLATION
5. MAINTENANCE

TOPSOILING (TO)

1. PURPOSE AND SCOPE
2. MATERIALS
3. PREPARATION OF SUBGRADE
4. INSTALLATION
5. MAINTENANCE

DUST COVER (DC)

1. PURPOSE AND SCOPE
2. MATERIALS
3. PREPARATION OF SUBGRADE
4. INSTALLATION
5. MAINTENANCE

SEDIMENT BARRIERS (ST)

GEOTEKSTILE SALT FENCES SHALL BE UTILIZED EXCEPT WHERE NOTED OTHERWISE.

UTILEZ CHECK DAM (SCD)

1. PURPOSE AND SCOPE
2. MATERIALS
3. PREPARATION OF SUBGRADE
4. INSTALLATION
5. MAINTENANCE

TEMPORARY SEEDING (TS)

1. PURPOSE AND SCOPE
2. MATERIALS
3. PREPARATION OF SUBGRADE
4. INSTALLATION
5. MAINTENANCE

Table with columns: SEEDING RATE, SEEDING METHOD, SEEDING DATE, SEEDING TIME, SEEDING LOCATION.

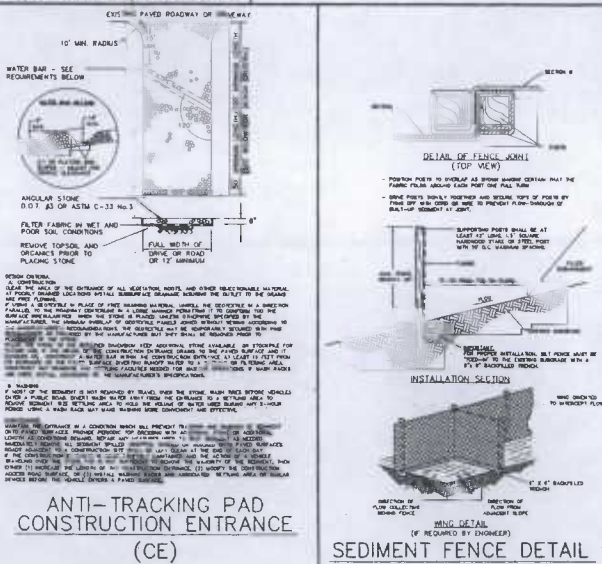
1. PURPOSE AND SCOPE
2. MATERIALS
3. PREPARATION OF SUBGRADE
4. INSTALLATION
5. MAINTENANCE

PERMANENT SEEDING (PS)

1. PURPOSE AND SCOPE
2. MATERIALS
3. PREPARATION OF SUBGRADE
4. INSTALLATION
5. MAINTENANCE

Table with columns: SEEDING RATE, SEEDING METHOD, SEEDING DATE, SEEDING TIME, SEEDING LOCATION.

1. PURPOSE AND SCOPE
2. MATERIALS
3. PREPARATION OF SUBGRADE
4. INSTALLATION
5. MAINTENANCE



ANTI-TRACKING PAD CONSTRUCTION ENTRANCE (CE) and SEDIMENT FENCE DETAIL

SEDIMENTATION AND EROSION CONTROL PLAN. Includes project information: Date: MAY 10, 2003; Scale: AS NOTED; Project No: 2002E-8; File No: BTANDRAD; Issue No: 2002E-8; Sheet: 1. Includes CCA LLC logo and contact information.

Roy Shook Associates

Soil & Environmental Consultants

Roy A. Shook Jr.
441 Geraldine Drive
Coventry, CT 06238
(860) 742-7283

June 3, 2001

Job No. 01E292

Mr. Richard W. Howard, Jr., P.E.
CCA, LLC
40 Old New Milford Road
Brookfield, CT 06804

Dear Mr. Howard:

RE: WETLAND DELINEATION
COLONIAL HILL BAPTIST CHURCH PROPERTY
40 STADLEY ROUGH ROAD, DANBURY, CONNECTICUT

At your request, I made an on-site investigation of the above referenced tract. The purpose of my visit was to identify and delineate the Connecticut Inland Wetlands and Watercourses. The fieldwork was done on May 29, 2001.

The wetland boundaries are marked with red flagging numbered RSA-1 through RSA-52. Please refer to the enclosed sketch for the approximate location of the inland wetland boundaries and key wetland flag numbers.

The identification of the wetlands was based on field observations of the soils on this site and the guidelines of the National Cooperative Soil Survey Program. The non-wetland soils were not studied in detail. Observations were made of these soils only in the process of identifying the wetland sites. The following descriptions do not constitute a detailed soil survey, but may be used as an aid in site planning.

The soil map and narrative are a refinement of data contained in the Soil Survey of Fairfield County, Connecticut. The symbols on the map identify map units. Each map unit has a unique combination of soils. Areas with the same symbol have similar composition. The following map unit descriptions are based on the data collected at this particular site. For this reason, there may be some differences between these descriptions and those provided in the Soil Survey of Fairfield County, Connecticut.

WETLAND SOILS

Map Unit AQ

The AQ map unit consists primarily of man-made or man-disturbed cut and/or fill areas that are wet. Slopes range from 0 to 3 percent. These soils have a seasonally high watertable at less

than 2 feet; have an aquic moisture regime and can be expected to support hydrophytic vegetation. Typically, these soils are in places where a less than 2 foot thick layer of earthy material has been placed over poorly and very poorly drained soils; or where the natural soils have been mixed so that the natural soil layers are not identifiable; or where the soil materials have been excavated to the ground watertable. These soils are inland wetland soils.

Map Unit Rd

The Rd map unit consists primarily of Ridgebury soils on 0 to 3 percent slopes. Ridgebury soils are very deep poorly drained soils formed in compact glacial till derived mainly from gneiss and schist. Typically, they have a friable loam or fine sandy loam surface layer and subsoil over a firm fine sandy loam or sandy loam dense till substratum. Ridgebury soils have a perched watertable within 1.5 feet of the surface much of the year. They are inland wetland soils.

NON-WETLAND SOILS

Map Unit PbB

The PbB map unit consists primarily of Paxton soils on 3 to 8 percent slopes. Paxton soils are very deep well drained soils formed in compact glacial till derived mainly from gneiss and schist. Typically they have a friable fine sandy loam or loam surface layer and subsoil over a firm fine sandy loam or sandy loam dense till substratum.

Map Unit UA

The UA map unit consists primarily of man-made cut and/or fill areas that have a seasonally high watertable within 2 to 4 feet of the surface. Slopes range from 0 to 8 percent. Typically, these soils are in places that have 2 feet or more of fill material placed over poorly and very poorly drained soils or where the soil materials have been mixed so that natural soil layers are not identifiable. The fill is mostly earthy materials with minor amounts of non-earthly materials such as pieces of concrete, bricks, wood, metals, and glass. In cut areas, the natural soil material has been excavated and the unconsolidated geologic material is exposed.

Map Unit UD

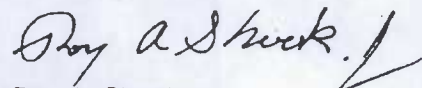
The UD map unit consists primarily of man-made cut and/or fill areas. Slopes range from 0 to 15 percent. The fill is mostly earthy materials with minor amounts of non-earthly materials such as pieces of concrete, bricks, wood, metals and glass. In cut areas the natural soil has been excavated and the unconsolidated loamy glacial deposit is exposed.

Map Unit WxB

The WxB map unit consists primarily of Woodbridge soils on 2 to 8 percent slopes. Woodbridge soils are very deep moderately well drained soils formed in compact glacial till derived mainly from gneiss and schist. Typically, they have a friable fine sandy loam or loam surface layer and subsoil over a firm fine sandy loam or sandy loam dense till substratum. Woodbridge soils have a perched seasonal watertable at 1.5 to 2.5 feet from late fall to early spring.

Please contact me if you have any questions or if I can be of further assistance.

Respectfully yours,



Roy A. Shook, Jr.
Soil Scientist



APR 15 2002 EIC 445

CITY OF DANBURY

155 DEER HILL AVENUE

DANBURY, CONNECTICUT 06810

ENVIRONMENTAL IMPACT COMMISSION
797-4525

DATE RECD. 3-15-02
FILE NO. EIC 445

APPLICATION FOR PERMIT TO CONDUCT REGULATED ACTIVITY

FOR COMMISSION USE ONLY:	
Filing Fee: \$ <u>135.00</u>	Filing Date: <u>3/27/02</u>
Date of Regular Meeting for Consideration: _____	
APPROVED: _____	
DENIED: _____	

*** NOTICE ***

Please refer to the Inland Wetlands and Watercourses Regulations of the City of Danbury (the "Regulations") for all requirements for submission of applications.

1. LOCATION AT WHICH ACTIVITY IS PROPOSED:

Address: 40 STADLEY ROUGH ROAD Assessor's Lot No.: K07105

Descriptive location -- attach map if necessary:

Property is located on the (north) (south) (east) (west) side of the above street, and distant approximately 200 feet (north) (south) (east) (west) from HAWLEY ROAD (nearest intersection).

2. APPLICANT:

Name: COLONIAL HILLS BAPTIST CHURCH

Address: 40 STADLEY ROUGH ROAD City DANBURY State CT Zip 06811

Telephone: (203) 794-9399

3. PROPERTY OWNERSHIP:

a. Applicant's interest in property (circle one):

Owner Developer Option Holder Other (describe) _____

b. If applicant is not owner, give name, address and daytime number of owner(s):

Name: _____ Telephone: () _____

Address: _____ City _____ State _____ Zip _____

4. AGENT (if applicable):

Name: _____ Title: _____

Address: _____ City _____ State _____ Zip _____

Telephone: () _____

5. INTENDED USE OF PROPERTY: EXIST. CHURCH/SCHOOL ~ / PROPOSED GYMNASIUM

6. TOTAL AMOUNT OF AFFECTED WETLANDS OR WATERCOURSES:

Wetlands: _____ square feet Watercourses: _____ linear feet

7. DOCUMENTS (Submit 14 copies of each document):

List the titles of site plans, drawings, cross sections with the latest revision dates, and any reports that are part of the application and are accompanying this form:

SITE PLAN 3-8-02
LANDSCAPE PLAN 3-11-02
NOTES & DETAILS 3-11-02
GENERAL LEGEND & NOTES
SEDIMENTATION & EROSION CONTROL PLAN

8. DOES THE PROPOSED ACTIVITY REQUIRE:

- Subdivision or resubdivision approval
- Special Permit from Zoning Commission
- Special Exception from Planning Commission
- Variance from the Zoning Board of Appeals
- Site Plan approval by Planning Department
- Zoning Permit

3. PROPERTY OWNERSHIP:

a. Applicant's interest in property (circle one):

Owner Developer Option Holder Other (describe) _____

b. If applicant is not owner, give name, address and daytime number of owner(s):

Name: _____ Telephone: (____) _____

Address: _____ City _____ State _____ Zip _____

4. AGENT (if applicable):

Name: _____ Title: _____

Address: _____ City _____ State _____ Zip _____

Telephone: (____) _____

5. INTENDED USE OF PROPERTY: EXIST. CHURCH/SCHOOL w/ PROPOSED GYMNASIUM

6. TOTAL AMOUNT OF AFFECTED WETLANDS OR WATERCOURSES:

Wetlands: _____ 0 square feet Watercourses: _____ 0 linear feet

7. DOCUMENTS (Submit 14 copies of each document):

List the titles of site plans, drawings, cross sections with the latest revision dates, and any reports that are part of the application and are accompanying this form:

<u>SITE PLAN</u>	<u>3-8-02</u>
<u>LANDSCAPE PLAN</u>	<u>3-11-02</u>
<u>NOTES & DETAILS</u>	<u>3-11-02</u>
<u>GENERAL LEGEND & NOTES</u>	
<u>SEDIMENTATION & EROSION CONTROL PLAN</u>	

8. DOES THE PROPOSED ACTIVITY REQUIRE:

- Subdivision or resubdivision approval
- Special Permit from Zoning Commission
- Special Exception from Planning Commission
- Variance from the Zoning Board of Appeals
- Site Plan approval by Planning Department
- Zoning Permit

9. CHECK WHETHER ANY OF THE FOLLOWING CIRCUMSTANCES APPLY:

- Any portion of the wetlands or watercourses for which the regulated activity is proposed is located within five hundred (500) feet of the boundary of an adjoining municipality (see Section 7.13 of Regulations).
- Any portion of the property affected by the decision of the commission is located within five hundred (500) feet of the boundary of an adjoining municipality (see Section 7.14 of Regulations).
- A significant portion of the traffic to the completed project on the site will use streets within the adjoining municipality to enter or exit the site (see Section 7.14 of Regulations).
- A significant portion of the sewer or water drainage from the project site will flow through and significantly impact the sewage or drainage system within the adjoining municipality (see Section 7.14 of Regulations).
- Water run-off from the improved site will impact streets or other municipal or private property within the adjoining municipality (see Section 7.14 of Regulations).
- Any portion of the wetland or watercourse on which the regulated activity is proposed is within the watershed of a water company (see Section 7.15 of Regulations).

10. DOCUMENTS (to be submitted for complete application):

- Completed and signed "Application for Permit to Conduct Regulated Activity"
- Fourteen copies of site plans, drawings, cross sections, and reports.
Site plans must show existing and proposed conditions in relation to wetlands and watercourses, including soil types, vegetation and existing and proposed improvements.
- Fourteen Copies of Narrative Description of Proposed Activity.
Describe the proposed activity, its purpose and intended use, area of wetlands to be altered, amount and type of materials to be removed or deposited, structures and construction activities, the manner in which the work will be carried out, anticipated time of construction, and the relationship of proposed work to existing facilities, projects or activities.
- Fourteen Copies of Narrative Description of Alternatives:
Describe alternatives considered and why the proposal set forth in the application was chosen.
- List of names and mailing addresses of all owners of property abutting or across the street from the subject property.
- Payment of all required fees for review.

11. ADDITIONAL INFORMATION

The Commission may require additional information from the applicant pursuant to Sections 7.4. and 7.7 of the Regulations.

12. OWNER'S CONSENT TO INSPECTIONS OF PROPERTY

The undersigned, as owner of the property, hereby consents to necessary and proper inspections of the above-mentioned property by agents of the Environmental Impact Commission of the City of Danbury, at reasonable times, both before and after a final decision has been issued by the Commission.


Signature of Owner 3/13/02
Date

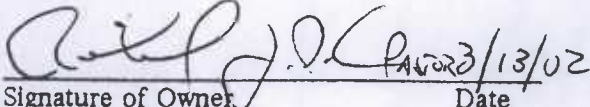
13. APPLICANT'S CERTIFICATION TO SUBMITTED INFORMATION

The undersigned hereby certifies that the information provided in this application including its supporting documentation is true and correct, and is aware of the penalties for obtaining a permit through deception or through inaccurate or misleading information.


Signature of Applicant 3/13/02
Date

12. OWNER'S CONSENT TO INSPECTIONS OF PROPERTY

The undersigned, as owner of the property, hereby consents to necessary and proper inspections of the above-mentioned property by agents of the Environmental Impact Commission of the City of Danbury, at reasonable times, both before and after a final decision has been issued by the Commission.


Signature of Owner 3/13/02
Date

13. APPLICANT'S CERTIFICATION TO SUBMITTED INFORMATION

The undersigned hereby certifies that the information provided in this application including its supporting documentation is true and correct, and is aware of the penalties for obtaining a permit through deception or through inaccurate or misleading information.


Signature of Applicant 3/13/02
Date

regacapp



CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 Elm Street
Hartford, CT 06106-5127

GIS CODE #: _____
For DEP Use Only

Arthur J. Rocque, Jr., Commissioner

Statewide Inland Wetlands & Watercourses Activity Reporting Form

Please complete this form in accordance with the instructions. Please print or type.

PART I: To Be Completed By The Inland Wetlands Agency Only

1. DATE ACTION WAS TAKEN: Year _____ Month _____

2. ACTION TAKEN: _____

ENVIRONMENTAL IMPACT COMMISSION

City Hall

155 Deer Hill Avenue

Danbury, Connecticut 06810

3. WAS A PUBLIC HEARING HELD? Yes _____ No _____

4. NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:

(print) _____ (signature) _____

PART II: To Be Completed By The Inland Wetlands Agency Or The Applicant

5. TOWN IN WHICH THE ACTION IS OCCURRING: DANBURY (EIC 445)

Does this project cross municipal boundaries? Yes _____ No X

If Yes, list the other town(s) in which the action is occurring: _____

6. LOCATION: USGS Quad Map Name: DANBURY AND Quad Number: 76

Subregional Drainage Basin Number: 6600

7. NAME OF APPLICANT, VIOLATOR OR PETITIONER: COLONIAL HILLS BAPTIST CHURCH

8. NAME & ADDRESS/LOCATION OF PROJECT SITE: 40 STADLEY ROUGH ROAD

Briefly describe the action/project/activity: CONSTRUCT GYMNASIUM ; EXPAND PARKING AREA

9. ACTIVITY PURPOSE CODE: _____

10. ACTIVITY TYPE CODE(S): 1, 2, 10, 12

11. WETLAND / WATERCOURSE AREA ALTERED [must be provided in acres or linear feet as indicated]:

Wetlands: 0 acres Open Water Body: 0 acres Stream: 0 linear feet

12. UPLAND AREA ALTERED [must be provided in acres as indicated]: 0.002 acres

13. AREA OF WETLANDS AND / OR WATERCOURSES RESTORED, ENHANCED OR CREATED: 0 acres
[must be provided in acres as indicated]

DATE RECEIVED: _____ PART I To Be Completed By The DEP DATE RETURNED TO DEP: _____

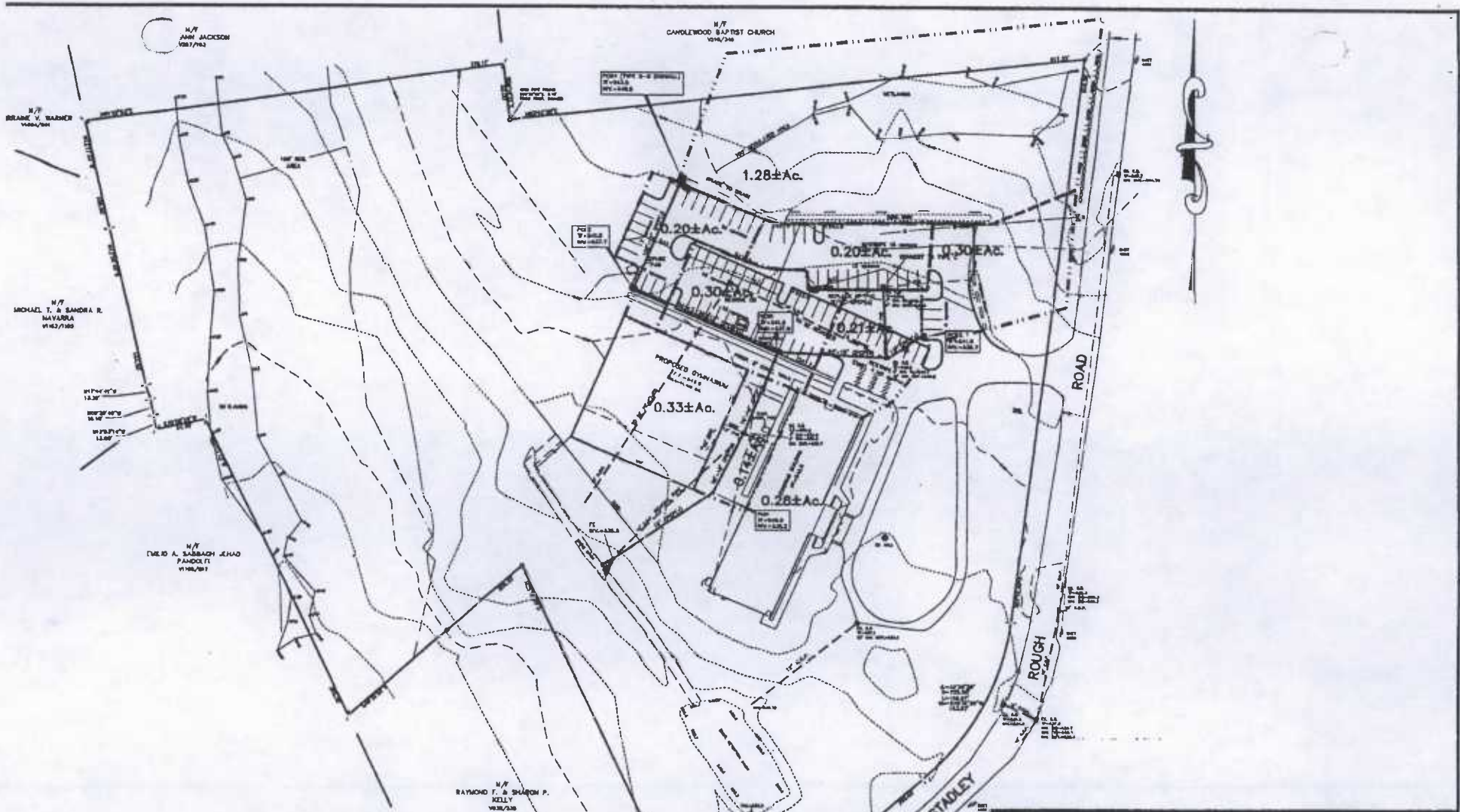
FORM COMPLETED: YES NO _____ FORM CORRECTED / COMPLETED: YES NO _____

**ADJOINING PROPERTY OWNERS
COLONIAL HILLS BAPTIST CHURCH
STADLEY ROUGH ROAD
DANBURY, CT**

City of Danbury

- K07021 Raymond F. & Sharon P. Kelly
38 Stadley Rough Road
Danbury, CT 06811
- K07101 Emilio A. Pandolfi
48 North Street
Danbury, CT 06810
- K07093 Michael T. and Sandra R. Navarra
32 Corn Tassle Road
Danbury, CT 06811
- K07092 Lorraine V. Warner
32 Corn Tassle Road
Danbury, CT 06811
- K07020 Terry Ann Jackson
449 16th Street, Apt. 4L
Brooklyn, NY 11215
- K07019 Candlewood Baptist Church
52 Stadley Rough Road
Danbury, CT 06811

DRAINAGE CALCULATIONS

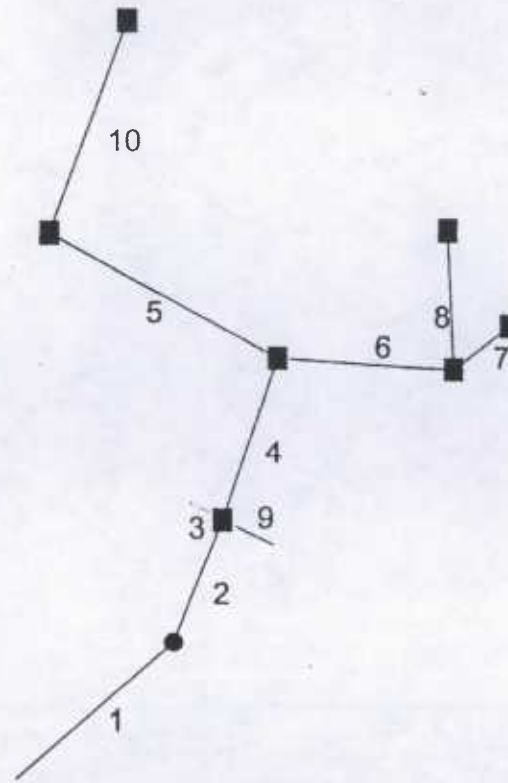


DRAINAGE AREA MAP
 PREPARED FOR
**COLONIAL HILLS
 BAPTIST CHURCH**
 40 STADLEY ROUGH ROAD
 DANBURY, CONNECTICUT

Date:	MAR. 11, 2002
Scale:	N.T.S.
Proj. No.:	01211SU1
Map No.:	2388
Sheet:	DA1
Drawn By:	R.J.G.

40 Old New Milford Road Brookfield, CT 06804 (203)775-6207	33 Village Green Drive Litchfield, CT 06759 (860)567-3179
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Hydroflow Plan View



Hydraflow Summary Report

Line No.	Line ID	Flow rate (cfs)	Line size (in)	Line length (ft)	Invert EL Dn (ft)	Invert EL Up (ft)	Line slope (%)	HGL down (ft)	HGL up (ft)	Minor loss (ft)	Dns line No.	
10	PCB4-PCB2	2.19	12 c	106.0	537.70	540.50	2.641	540.12	541.13	0.28	5	
9	ROOF2-ECB1	1.79	9 c	30.0	536.70	537.00	1.000	539.03*	539.33*	0.25	2	
8	ECB3-ECB2	1.28	12 c	63.0	538.00	539.00	1.587	539.96	540.00	0.04	6	
7	PCB3-ECB2	0.85	12 c	37.0	538.00	538.20	0.541	539.96*	539.98*	0.02	6	
6	ECB2-PCB1	2.76	15 c	98.0	537.00	538.00	1.020	539.69*	539.85*	0.12	4	
5	PCB2-PCB1	3.14	15 c	138.0	537.00	537.70	0.507	539.69*	539.97*	0.15	4	
4	PCB1-ECB1	6.95	18 c	80.0	536.70	537.00	0.375	539.03*	539.33*	0.36	2	
3	ROOF1-ECB1	2.11	12 c	20.0	536.70	537.00	1.500	539.03*	539.09*	0.11	2	
2	ECB1-PMH1	9.99	18 c	61.0	536.20	536.70	0.820	537.82*	538.29*	0.75	1	
1	PMH1-FE1	9.92	18 c	106.0	535.50	536.20	0.660	536.88	537.58	0.24	End	
Project File: COLONIAL HILLS.stm		IDF File: sampleFHA.IDF			Total No. Lines: 10			Run Date: 03-14-2002				
NOTES: c = circular; e = elliptical; b = box; Return period = 25 Yrs.; * Indicates surcharge condition.												

Hydroflow Storm Sewer Tabulation

Station		Len (ft)	Drng Area		Rnoff coeff (C)	Area x C		Tc		Rain (l) (in/hr)	Total flow (cfs)	Cap full (cfs)	Vel (ft/s)	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line		Incr (ac)	Total (ac)		Incr	Total	Inlet (min)	Syst (min)					Size (in)	Slope (%)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	
10	5	106.0	1.28	1.28	0.30	0.38	0.38	10.0	10.0	5.7	2.19	6.27	3.50	12	2.64	540.50	537.70	541.13	540.12	543.50	541.00	PCB4-PCB2
9	2	30.0	0.28	0.28	0.90	0.25	0.25	5.0	5.0	7.1	1.79	1.79	4.04	9	1.00	537.00	536.70	539.33	539.03	541.00	539.60	ROOF2-ECB1
8	6	63.0	0.20	0.20	0.90	0.18	0.18	5.0	5.0	7.1	1.28	4.86	1.62	12	1.59	539.00	538.00	540.00	539.96	541.40	540.50	ECB3-ECB2
7	6	37.0	0.30	0.30	0.50	0.15	0.15	10.0	10.0	5.7	0.85	2.84	1.09	12	0.54	538.20	538.00	539.98	539.96	541.00	540.50	PCB3-ECB2
6	4	98.0	0.21	0.71	0.79	0.17	0.50	5.0	10.6	5.6	2.76	7.07	2.25	15	1.02	538.00	537.00	539.85	539.69	540.50	541.00	ECB2-PCB1
5	4	138.0	0.20	1.48	0.90	0.18	0.56	5.0	10.6	5.6	3.14	4.98	2.55	15	0.51	537.70	537.00	539.97	539.69	541.00	541.00	PCB2-PCB1
4	2	80.0	0.30	2.49	0.78	0.23	1.29	5.0	11.6	5.4	6.95	6.97	3.93	18	0.37	537.00	536.70	539.33	539.03	541.00	539.60	PCB1-ECB1
3	2	20.0	0.33	0.33	0.90	0.30	0.30	5.0	5.0	7.1	2.11	4.72	2.68	12	1.50	537.00	536.70	539.09	539.03	541.00	539.60	ROOF1-ECB1
2	1	61.0	0.14	3.24	0.30	0.04	1.88	10.0	11.9	5.3	9.99	10.30	5.65	18	0.82	536.70	536.20	538.29	537.82	539.60	540.00	ECB1-PMH1
1	End	106.0	0.00	3.24	0.00	0.00	1.88	0.0	12.1	5.3	9.92	9.24	5.83	18	0.66	536.20	535.50	537.58	536.88	540.00	538.00	PMH1-FE1

Project File: COLONIAL HILLS.stm

IDF File: sampleFHA.IDF

Total number of lines: 10

Run Date: 03-14-2002

NOTES: Intensity = 73.49 / (Inlet time + 11.60) ^ 0.83; Return period = 25 Yrs. ; Initial tailwater elevation = 536.88 (ft)

Hydroflow FL-DOT Report

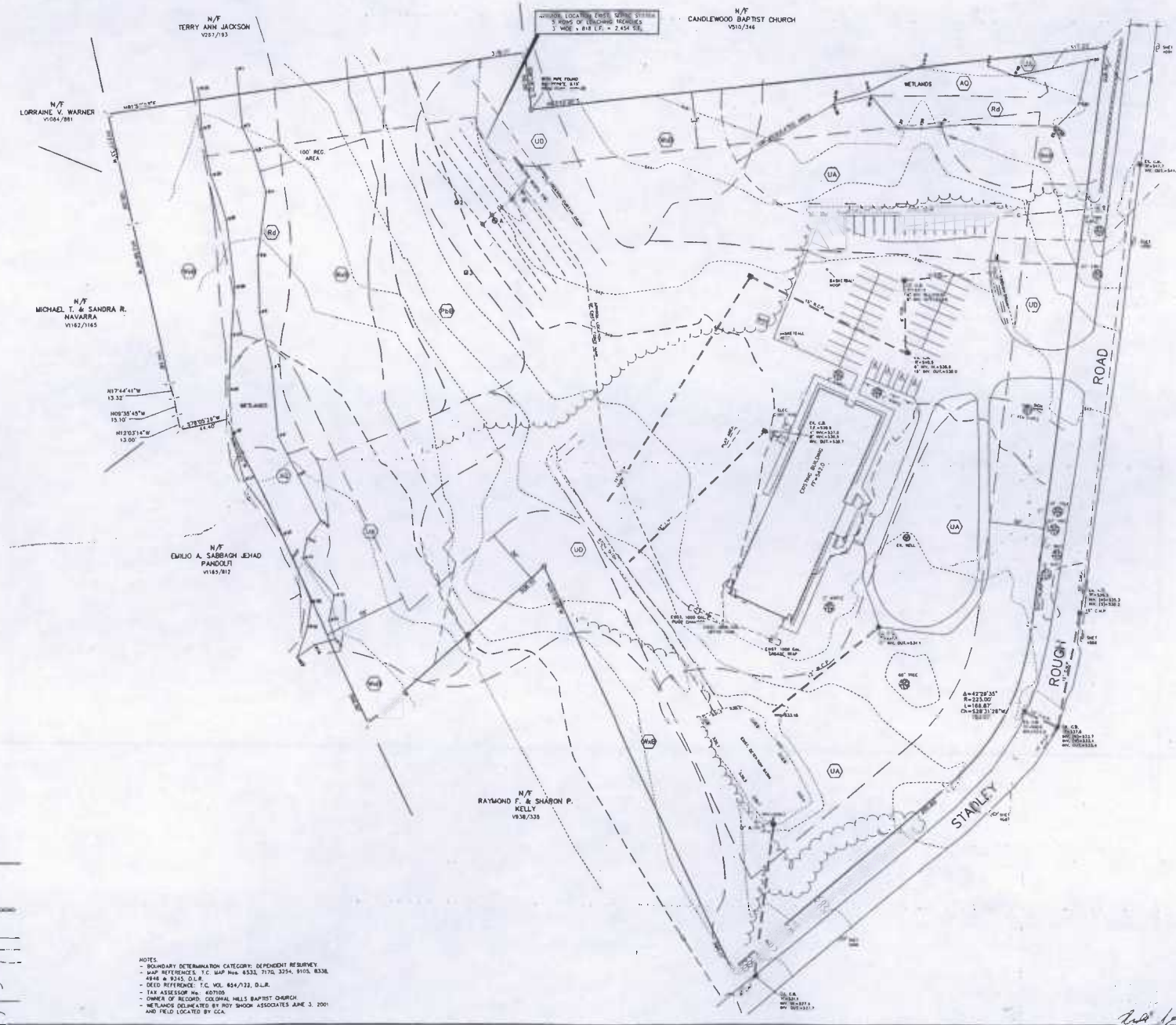
Line No	To Line	Type of struc	n - value	Len (ft)	Drainage Area			Time of conc (min)	Time of flow in sect (min)	Inten (I) (in/hr)	Total CA	Add Q (cfs)	Inlet elev (ft)	Elev of HGL			Rise	HGL	Actual		Date: 03-14-2002				
					Increment (ac)	Sub-total (ac)	Sum CA							Elev of Crown					Span	Pipe	Full Flow		Frequency: 25 yrs		
														Up (ft)	Down (ft)	Fall (ft)					Size (in)	Slope (%)	Vel (ft/s)	Cap (cfs)	Line description
Q (cfs)	Q (cfs)	Q (cfs)	Q (cfs)	Q (cfs)	Q (cfs)	Q (cfs)	Q (cfs)	Q (cfs)	Q (cfs)	Q (cfs)	Q (cfs)	Q (cfs)	Q (cfs)	Q (cfs)	Q (cfs)	Q (cfs)	Q (cfs)	Q (cfs)	Q (cfs)	Q (cfs)					
10	5	DrGr	0.012	106.0	1.28 0.00 0.00	1.28 0.00 0.00	0.38 0.00 0.00	10.00	0.63	5.7	0.38	0.00 2.19	543.50	541.13 541.50 540.50	540.12 538.70 537.70	1.00 2.80	12 12 Cir	0.95 2.64	3.50 7.98	2.19 6.27	PCB4-PCB2				
9	2	None	0.012	30.0	0.00 0.00 0.28	0.00 0.00 0.28	0.00 0.00 0.25	5.00	0.12	7.1	0.25	0.00 1.79	541.00	539.33 537.75 537.00	539.03 537.45 536.70	0.30 0.30	9 9 Cir	1.00 1.00	4.04 4.05	1.79 1.79	ROOF2-ECB1				
8	6	Comb	0.012	63.0	0.00 0.00 0.20	0.00 0.00 0.20	0.00 0.00 0.18	5.00	0.65	7.1	0.18	0.00 1.28	541.40	540.00 540.00 539.00	539.96 539.00 538.00	0.04 1.00	12 12 Cir	0.06 1.59	1.62 6.19	1.28 4.86	ECB3-ECB2				
7	6	Comb	0.012	37.0	0.20 0.00 0.10	0.20 0.00 0.10	0.06 0.00 0.09	10.00	0.57	5.7	0.15	0.00 0.85	541.00	539.98 539.20 538.20	539.96 539.00 538.00	0.02 0.20	12 12 Cir	0.05 0.54	1.09 3.61	0.85 2.84	PCB3-ECB2				
6	4	Grate	0.012	98.0	0.04 0.00 0.17	0.24 0.00 0.47	0.07 0.00 0.42	10.57	0.73	5.8	0.50	0.00 2.76	540.50	539.85 539.25 538.00	539.89 538.25 537.00	0.15 1.00	15 15 Cir	0.16 1.02	2.25 5.76	2.76 7.07	ECB2-PCB1				
5	4	Comb	0.012	138.0	0.00 0.00 0.20	1.28 0.00 0.20	0.38 0.00 0.18	10.63	0.94	5.6	0.56	0.00 3.14	541.00	539.97 538.95 537.70	539.69 538.25 537.00	0.28 0.70	15 15 Cir	0.20 0.51	2.55 4.06	3.14 4.98	PCB2-PCB1				
4	2	Comb	0.012	80.0	0.06 0.00 0.24	1.58 0.00 0.91	0.47 0.00 0.82	11.57	0.37	5.4	1.29	0.00 6.95	541.00	539.33 538.50 537.00	539.03 538.20 536.70	0.30 0.30	18 18 Cir	0.37 0.37	3.93 3.94	6.95 6.97	PCB1-ECB1				
3	2	None	0.012	20.0	0.00 0.00 0.33	0.00 0.00 0.33	0.00 0.00 0.30	5.00	0.12	7.1	0.30	0.00 2.11	541.00	539.09 538.00 537.00	539.03 537.70 536.70	0.06 0.30	12 12 Cir	0.30 1.50	2.68 6.02	2.11 4.72	ROOF1-ECB1				
2	1	Grate	0.012	61.0	0.14 0.00 0.00	1.72 0.00 1.52	0.52 0.00 1.37	11.94	0.20	5.3	1.88	0.00 9.99	539.60	538.29 538.20 536.70	537.82 537.70 536.20	0.47 0.50	18 18 Cir	0.77 0.82	5.65 5.83	9.99 10.30	ECB1-PMH1				

NOTES: Intensity = 73.49 / (Inlet time + 11.60) ^ 0.83 (in/hr) ; Time of flow in section is based on full flow.; Initial tailwater elevation = 536.88 (ft)

Hydroflow FL-DOT Report

Line No	To Line	Type of struc	n - value	Len (ft)	Drainage Area			Time of conc (min)	Time of flow in sect (min)	Inten (l) (in/hr)	Total CA	Add Q (cfs)	Inlet elev (ft)	Elev of HGL			Rise	HGL	Actual		Date: 03-14-2002		
					C1 = 0.3 C2 = 0.5 C3 = 0.9									Elev of Crown					Span	Pipe		Full Flow	Frequency: 25 yrs
					Increment (ac)	Sub-total (ac)	Sum CA							Elev of Invert			Size (in)	Slope (%)					
														Up (ft)	Down (ft)	Fall (ft)			Line description				
1	End	MH	0.012	106.0	0.00	1.72	0.52	12.14	0.36	5.3	1.88	0.00	540.00	537.58	536.88	0.70	18	0.66	5.83	9.92	PMH1-FE1		
					0.00	0.00	0.00							537.70	537.00				18	0.66		5.23	9.24
					0.00	1.52	1.37							536.20	535.50	0.70			Cir				

NOTES: Intensity = 73.49 / (Inlet time + 11.60) ^ 0.83 (in/hr) ; Time of flow in section is based on full flow.; Initial tailwater elevation = 536.88 (ft)



N/F
TERRY ANN JACKSON
V067/113

N/F
CANDLEWOOD BAPTIST CHURCH
V510/346

N/F
LORRAINE V. WARNER
V064/781

N/F
MICHAEL T. & SANDRA R.
NAVARRA
V162/1165

N37°44'41"W
13.32'
N00°25'48"W
15.10'
N12°03'31"W
13.00'

N/F
EMILIO A. SABBAGH JEHAD
PANDOLFI
V183/812

N/F
RAYMOND F. & SHARON P.
KELLY
V838/328

FIELD LOCATED BY GCA
3' WIDE x 8'4" L.F. = 2,454 S.F.

LEGEND

PROPERTY LINE	—
EXISTING IRON PIN OR PIPE	○
UTILITY POLE W/ANCHOR	⊕
STONE WALL	—
GATCH BASH	■
BLOC SETBACK LINE	- - -
MATRICULARISE	- - -
EXISTING CONTOUR	~
EXISTING SPOT ELEVATION	31.5
WELL LINE	~
FLAGGED MELANDS	①
WELL WISPMARY	②

NOTES:
 - BOUNDARY DETERMINATION CATEGORY: DEPENDENT RESURVEY
 - MAP REFERENCES: T.C. MAP Nos. 8333, 8170, 3254, 8105, 8338, 4846 & 2045, D.L.R.
 - DEED REFERENCE: T.C. VOL. 854/732, D.L.R.
 - TAX ASSESSOR No. 807105
 - OWNER OF RECORD: COLONIAL HILLS BAPTIST CHURCH
 - MELANDS DELINEATED BY ROY SHOON ASSOCIATES JUNE 3, 2001 AND FIELD LOCATED BY GCA.

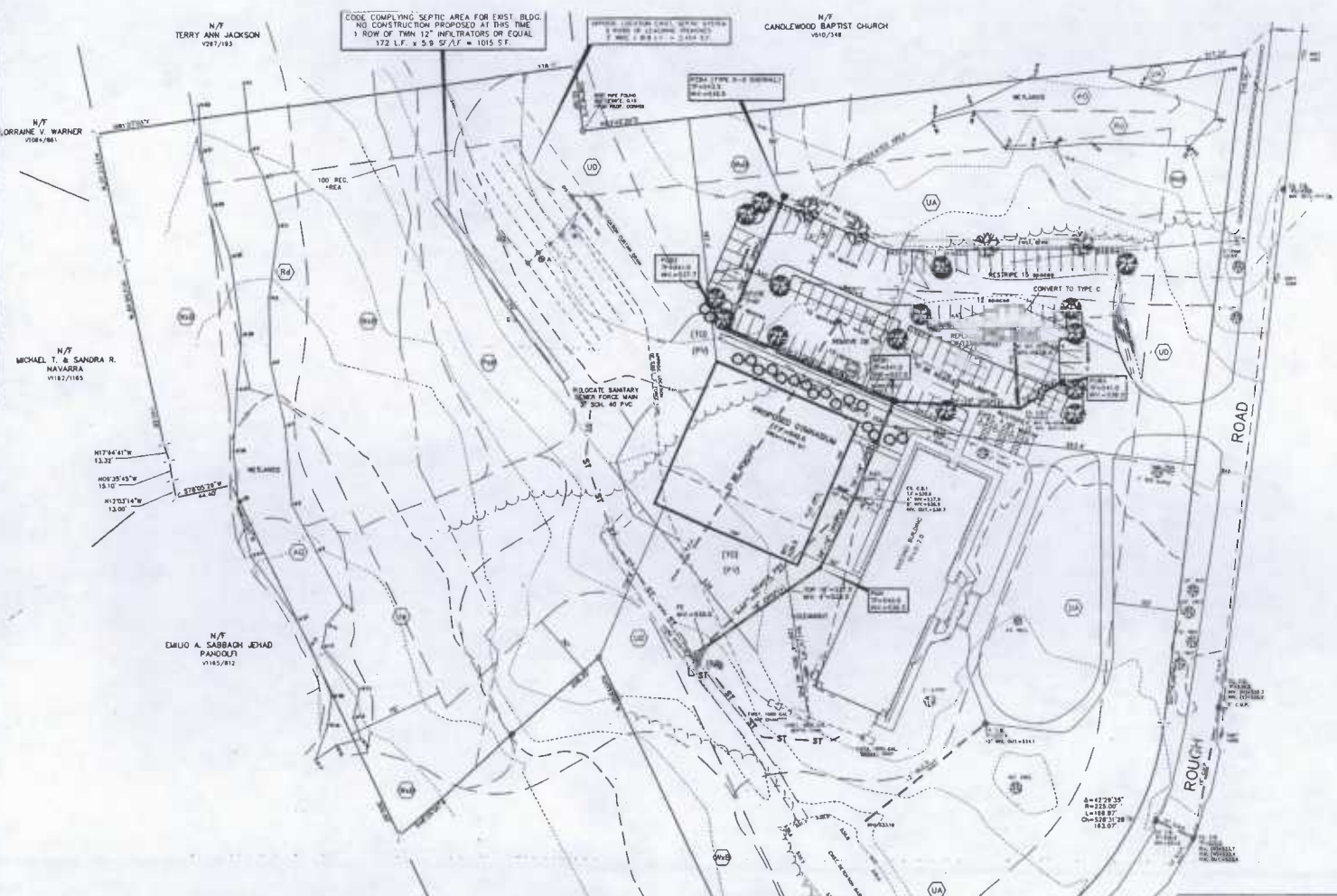
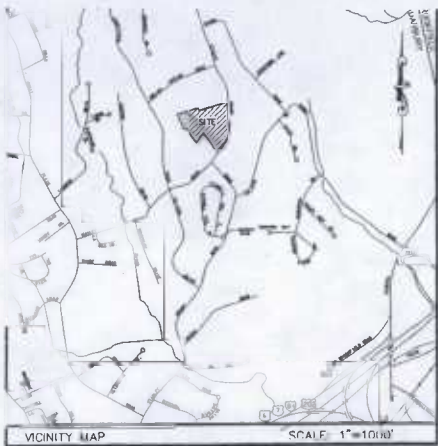
EXISTING CONDITIONS MAP
 PREPARED FOR
COLONIAL HILLS BAPTIST CHURCH
 40 STADLEY ROUGH ROAD
 DANBURY, CONNECTICUT
 TOTAL AREA = 456,152 ± S.F. (10.47 ± AC.)

Date: MAR. 11, 2002
 Scale: 1" = 40'
 Prod. No: 012781H
 Map No: 2388
 Sheet: EC1
 Drawn By: R.J.G.

40 Old News Millford Road
 Brookfield, CT 06804
 (203) 775-8207

33 Village Green Circle
 Litchfield, CT 06759
 (860) 647-3776

ELC 445



- LANDSCAPE LEGEND**
- SEA GREEN JUNIPER
Landscape equivalent "Sea Green"
36" max. mature height
 - SUGAR MAPLE
Acer Spicatum
2 1/2" cal. max. @ 10' min. height
EQUIVALENT MAPLE
MAY BE SUBSTITUTED
 - FLOWERING DOGWOOD
Cornus florida
2 1/2" cal. @ 10' min. height

- LEGEND**
- PROPERTY LINE
 - EXISTING IRON PIPE OR PIPE
 - UTILITY POLE W/ANCHOR
 - STONE WALL
 - CATCH BASIN
 - BUILDING SETBACK LINE
 - WATERCOURSE
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - KEEP HIGH
 - REPRODUCTION TEST
 - EXISTING SPOT ELEVATION
 - PROPOSED SPOT ELEVATION
 - TREE LINE
 - WETLANDS
 - FLAGGED WETLANDS
 - BBB BOUNDARY

ZONING TABLE:

Zone	Min. Lot Area (sq. ft.)	Min. Front Setback (ft.)	Min. Side Setback (ft.)	Min. Rear Setback (ft.)	Min. Height (ft.)	Max. Floor Area Ratio (FAR)
R-4	10,000	25	10	10	35	0.35
UA	10,000	25	10	10	35	0.35
UD	10,000	25	10	10	35	0.35

NOTES

- BOUNDARY DETERMINATION CATEGORY, DEPENDENT RESURVEY
- MAP REFERENCES: T.C. MAP Nos. 8331, 8700, 3254, 8105, 8138, 4948 & 9243, D.L.R.
- DEED REFERENCE: T.C. VOL. 854/732, D.L.R.
- TAX ASSESSOR No. 807103
- OWNER OF RECORD: COLONIAL HILLS BAPTIST CHURCH
- WETLANDS DELINEATED BY ROY SHOOK ASSOCIATES JUNE 3, 2001 AND FIELD LOCATED BY CCA.
- THIS PLAN CONTAINS A CODE-COMPLYING AREA IN CONFORMANCE WITH SECTION 19-13-8-100 OF THE CONNECTICUT PUBLIC HEALTH CODE.

SITE PLAN
 PREPARED FOR
COLONIAL HILLS BAPTIST CHURCH
 40 STADLEY ROUGH ROAD
 DANBURY, CONNECTICUT
 TOTAL AREA = 456,152 ± S.F. (10.47 ± Ac.)

Date: APRIL 1, 2001
 Scale: 1" = 40'
 Proj. No.: 012187J1
 Map No.: 2388
 Sheet: 01
 Drawn By: R.J.C.

40 Old New Milford Road
 Danbury, CT 06804
 (203) 775-4307


33 Village Green Lane
 Litchfield, CT 06039
 (203) 775-4307

ETC VYS

SEPTIC SYSTEM CALCULATIONS

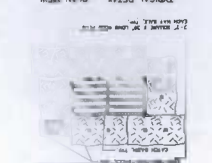
Flow Type	Flow Rate (GPD)	Flow Rate (MGD)
1. BATHS	1.0	0.0000
2. KITCHENS	2.0	0.0000
3. LAUNDRY	2.0	0.0000
4. SINKS	1.0	0.0000
5. TOILETS	5.0	0.0000
6. SHOWER	3.0	0.0000
7. CLOSET	1.0	0.0000
8. UTILITY	1.0	0.0000
9. OTHER	1.0	0.0000
10. TOTAL	16.0	0.0000

NOTES & DETAILS



Item	Description	Quantity	Unit
1	CONCRETE	2.0	CU YD
2	REINFORCEMENT	1.0	LB
3	FORMWORK	1.0	SQ YD

EROSION CONTROL AT GYMNASIUM



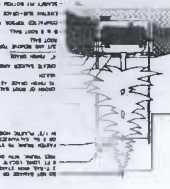
PARKING & SERVICE AREA



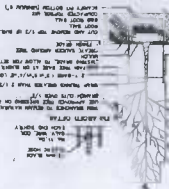
CONSTRUCTION NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE AIA, ACI, AND ASCE SPECIFICATIONS.
2. ALL MATERIALS SHALL BE APPROVED BY THE ARCHITECT AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
3. ALL CONCRETE SHALL BE PLACED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE ACI 318 SPECIFICATION AND SHALL BE CURED AS REQUIRED.
4. ALL FORMWORK SHALL BE REMOVED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND SHALL BE REUSED AS MUCH AS POSSIBLE.
5. ALL REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE ACI 318 SPECIFICATION.
6. ALL WELDS SHALL BE MADE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE AWS D1.1 SPECIFICATION.
7. ALL TYPING SHALL BE PERFORMED TO SIMULATE FONT SIZES AND SPACING TO MATCH THE ORIGINAL DRAWING.
8. ALL CHANGES SHALL BE INDICATED BY RED LINES AND APPROVED BY THE ARCHITECT.
9. ALL WORK SHALL BE COMPLETED BY THE SPECIFIED DEADLINE.
10. ALL MATERIALS SHALL BE STORED PROPERLY ON-SITE TO PREVENT DAMAGE.
11. ALL WASTE SHALL BE REMOVED FROM-SITE DAILY.
12. ALL SAFETY PROTOCOLS SHALL BE STRICTLY ENFORCED.
13. ALL UTILITIES SHALL BE MAINTAINED AND PROTECTED.
14. ALL PERMITS SHALL BE OBTAINED PRIOR TO COMMENCEMENT.
15. ALL RECORD DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL.
16. ALL AS-BUILT CONDITIONS SHALL BE DOCUMENTED THROUGHOUT THE PROJECT.

CONCRETE TREE DETAIL



DEODOROUS TREE DETAIL



1. THE ARCHITECT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.
2. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AND SERVICES AT ALL TIMES.
3. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES AND UTILITIES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL UTILITIES.
5. THE CONTRACTOR SHALL MAINTAIN A SAFE WORKING ENVIRONMENT AT ALL TIMES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL ADJACENT PROPERTIES.
7. THE CONTRACTOR SHALL MAINTAIN ALL RECORD DRAWINGS AND AS-BUILT CONDITIONS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL MATERIALS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL EQUIPMENT.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL PERSONNEL.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL VISITORS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL SUPPLIERS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL SUBCONTRACTORS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL VENDORS.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL SERVICE PROVIDERS.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL OTHER STAKEHOLDERS.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL COMMUNITY GROUPS.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL LOCAL RESIDENTS.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL ENVIRONMENTAL GROUPS.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL CULTURAL GROUPS.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL HISTORIC GROUPS.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL ARTIST GROUPS.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL BUSINESS GROUPS.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL PROFESSIONAL GROUPS.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL ACADEMIC GROUPS.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL RECREATION GROUPS.
27. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL RELIGIOUS GROUPS.
28. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL ETHNIC GROUPS.
29. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL LANGUAGE GROUPS.
30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL NATIONALITY GROUPS.
31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL SEX GROUPS.
32. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL AGE GROUPS.
33. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL DISABILITY GROUPS.
34. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL RELIGION GROUPS.
35. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL SEXUAL ORIENTATION GROUPS.
36. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL GENDER GROUPS.
37. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL IDEOLOGY GROUPS.
38. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL POLITICAL GROUPS.
39. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL ECONOMIC GROUPS.
40. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL SOCIAL GROUPS.
41. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL CULTURE GROUPS.
42. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL BELIEFS GROUPS.
43. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL VALUES GROUPS.
44. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL MORALS GROUPS.
45. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL ETHICS GROUPS.
46. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL LAWS GROUPS.
47. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL CUSTOMS GROUPS.
48. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL TRADITIONS GROUPS.
49. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL RITUALS GROUPS.
50. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL CEREMONIES GROUPS.
51. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL FESTIVALS GROUPS.
52. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL CELEBRATIONS GROUPS.
53. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL OBSERVANCES GROUPS.
54. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL MEMORIALS GROUPS.
55. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL MONUMENTS GROUPS.
56. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL STRUCTURES GROUPS.
57. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL BUILDINGS GROUPS.
58. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL FACILITIES GROUPS.
59. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL SERVICES GROUPS.
60. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL PROGRAMS GROUPS.
61. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL ACTIVITIES GROUPS.
62. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL EVENTS GROUPS.
63. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL OCCASIONS GROUPS.
64. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL HOLIDAYS GROUPS.
65. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL SEASONS GROUPS.
66. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL TIMES GROUPS.
67. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL PLACES GROUPS.
68. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL THINGS GROUPS.
69. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL IDEAS GROUPS.
70. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL PEOPLE GROUPS.
71. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL SOCIETY GROUPS.
72. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL CIVILIZATION GROUPS.
73. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL CULTURE GROUPS.
74. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL HUMANITY GROUPS.
75. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL LIFE GROUPS.
76. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL UNIVERSE GROUPS.
77. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL EXISTENCE GROUPS.
78. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL REALITY GROUPS.
79. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL TRUTH GROUPS.
80. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL BEAUTY GROUPS.
81. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL JUSTICE GROUPS.
82. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL FREEDOM GROUPS.
83. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL EQUALITY GROUPS.
84. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL RIGHTS GROUPS.
85. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL RESPONSIBILITIES GROUPS.
86. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL OBLIGATIONS GROUPS.
87. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL DUTIES GROUPS.
88. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL LAWFULNESS GROUPS.
89. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL ORDER GROUPS.
90. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL HARMONY GROUPS.
91. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL BALANCE GROUPS.
92. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL PACE GROUPS.
93. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL EQUITY GROUPS.
94. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL INTEGRITY GROUPS.
95. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL HONESTY GROUPS.
96. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL SINCERITY GROUPS.
97. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL TRANSPARENCY GROUPS.
98. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL ACCOUNTABILITY GROUPS.
99. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL RESPONSIBILITY GROUPS.
100. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL ETHICAL GROUPS.

ABBREVIATIONS

APPROX.	APPROXIMATE
ACMP	ASPHALT COATED CORRUGATED METAL PIPE
BF	BASEMENT FLOOR
B.M.	BENCH MARK
B.C.C.	BUTYROMINUS CONCRETE LIP CURB
BLDG.	BUILDING
CB	CAST IRON PIPE
CB	CATCH BASIN
CD	CURTAIN DRAIN
CH	CHORD
CLL	CONSTRUCTION LIMIT LINE
CONC.	CONCRETE
CONSTR.	CONSTRUCT
CMP	CORRUGATED METAL PIPE
CPE(a)	CORRUGATED POLYETHYLENE PIPE, TYPE S
CULV.	CULVERT
D.O.T.	DEPARTMENT OF TRANSPORTATION
DB	DISTRIBUTION BOX
DMH	DRAINAGE MANHOLE
DH	DEEP HOLE
DR	DRIVEWAY
DIP	DUCTILE IRON PIPE
ESP	EDGE OF PAVEMENT
ELEC.	ELECTRIC
ELEV.	ELEVATION
EXIST., EX.	EXISTING
EG	EXISTING GRADE
FE	FLARED END
FF	FIRST FLOOR
FG	FINISH GRADE
FND.	FOUNDATION
G.P.D.	GALLONS PER DAY
GAR.	GARAGE
GND	GROUND
GV	GAS VALVE
HW	HEADWALL
HC	HANDICAP
HWY.	HIGHWAY
HYD.	HYDRANT
IN.	INLET
INV.	INVERT
I.P.	IRON PIPE
L	LENGTH
LF	LINEAR FEET
LP	LIGHT POLE
MH	MANHOLE
MAX.	MAXIMUM
MEI	METAL
MHR	METAL BEAM RAIL
MH	MINIMUM
MISC.	MISCELLANEOUS
MON.	MONUMENT
NO.	NUMBER
OUT.	OUTLET
PERC.	PERCOLATION TEST
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PV	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVTC	POINT OF VERTICAL TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVC	POLYVINYL CHLORIDE PIPE
PROJ.	PROJECT
PL	PROPERTY LINE
PROP., PR.	PROPOSED
PS	PUMP STATION
R	RADIUS
RR	RAILROAD
RCP	REINFORCED CONCRETE PIPE
RELOC.	RELOCATION
REQ'D.	REQUIRED
RET.	RETAINING
RIOT.	RIGHT OF WAY
RD	ROAD
RD	ROOF DRAIN
SAN	SANITARY
SMH	SANITARY SEWER MANHOLE
SRPP	SMOOTH BORE RIBBED POLYETHYLENE PIPE
S.T.	SEPTIC TANK
ST	SEDIMENT FENCE
SPEC.	SPECIFICATION
SPK	SPIKE
STK	STAKE
STD.	STANDARD
STN.	STATION
SW	STONE WALL
SS	SANITARY SEWER
STY.	STORY
ST	STREET
TAN	TANGENT
TEL	TELEPHONE
TEMP.	TEMPORARY
TF	TOP OF FRAME
UD-DRAIN	UNDER DRAIN
VERT.	VERTICAL
WV	WATER VALVE
WY	WITH
YD.	YARD
YD	YARD DRAIN

GENERAL LEGEND

PROPERTY LINE	—○—
EXISTING MONUMENT	○
EXISTING IRON PIN OR PIPE	○
PROPOSED IRON PIN OR PIPE	●
PROPOSED MONUMENT	●
DRILL HOLE	⊙
STONE BOUND	—Y—
UTILITY POLE W/ANCHOR	—T—
EASEMENT LINE	— —
CHAIN FENCE	—○—
WOOD FENCE	— —
STONE WALL	—○○—
WIRE FENCE	— —
CATCH BASIN	—■—
LIGHT POLE	—○—
BLOG. SETBACK LINE	— —
WATERCOURSE	— —
EXISTING CONTOUR	—310—
PROPOSED CONTOUR	—310—
DEEP HOLE	—2—
PERCOLATION TEST	—A—
EXISTING SPOT ELEVATION	—311.5—
PROPOSED SPOT ELEVATION	—311+5—
LOT NUMBER	—5—
STREET NUMBER	—55—
TREE LINE	—()—
SEDIMENT FENCE (ST)	—ST—
FLAGGED WETLANDS	—()—
SOIL BOUNDARY	—()—
ROCK OUTCROP	—()—
CONSTRUCTION FENCE (CF)	—CF—
HAY BALES (HB)	—HB—
FOOTING DRAIN (F)	—F—
ROOF DRAIN (R)	—R—
PRIMARY SEPTIC SYSTEM AREA	—()—
RESERVE SEPTIC SYSTEM AREA	—()—
SOLAR ACCESS	—()—

GUIDE RAIL	— —
EXISTING CURB	— —
GRAVEL ROAD	— —
EXISTING MANHOLE	—○—
EXISTING SANITARY SEWER MANHOLE	—○—
EXISTING WATER VALVE	—○—
EXISTING GAS VALVE	—○—
EXISTING FIRE HYDRANT	—○—
EXISTING SIGN	—○—
HANDICAP PARKING SPACE	—○—
WELL	—○—
TRAFFIC FLOW DIRECTION	—→—
MONITORING WELL	—○—
SWALE, GRADE TO DRAIN	— —
EXISTING RETAINING WALL	— —
PROPOSED RETAINING WALL	— —
RAILROAD TRACKS	— —
RIPRAP PAD	— —
GAS MAIN	—G—
ELECTRIC SERVICE	—ELEC—
TELEPHONE LINE	—TEL—
WATER MAIN	—W—
ELEC. TEL & CATV	—ELEC—
PROPOSED FIRE HYDRANT	—○—
PROPOSED WATER VALVE	—○—
PROPOSED WATER SHUT-OFF	—○—
PROPOSED GAS VALVE	—○—
SCREENED REFUSE AREA	—()—
PROPOSED CATCH BASIN	—■—
PROPOSED MANHOLE	—○—
PROPOSED LAWN DRAIN	—○—
PROPOSED LIGHT POLE	—○—

GENERAL NOTES

- ALL WORK TO MEET TOWN OR CITY, STATE AND FEDERAL CODES, REGULATIONS AND STANDARDS AS APPLICABLE.
- DISCREPANCIES IN THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY FOR RESOLUTION.
- ALL PERMITS SHALL BE OBTAINED PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING REQUIRED PERMITS AND NOTIFYING THE TOWN OR CITY DEPARTMENTS AND THE ENGINEER FOR INSPECTIONS.
- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL MEET CONNECTICUT D.O.T. STANDARDS FOR ITEMS NOT SPECIFIED IN THE TOWN OR CITY REGULATIONS.
- ALL CATCH BASINS, MANHOLES, PIPING AND OTHER UTILITY COMPONENTS WITHIN TRAFFIC AREAS SHALL BE CAPABLE OF SUPPORTING H-20 LOADING.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL ON-SITE AND OFF-SITE FIELD CONDITIONS AND VERIFY THAT NO CHANGES HAVE OCCURRED SINCE THE ISSUANCE OF THIS PLAN. THE DESIGN ENGINEER IS TO BE NOTIFIED OF ANY CHANGES WHICH CONFLICT WITH THIS PLAN.
- THE EROSION CONTROL LINE (ST) IS TO BE CONSIDERED AS THE LIMIT OF CONSTRUCTION UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND QUANTITIES SHOWN ON THESE PLANS PRIOR TO PROCEEDING WITH CONSTRUCTION AND ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER WHOM SHALL HAVE FINAL SAY AS TO THE ACTUAL DIMENSIONS TO CONSTRUCT BY.
- STRICT ADHERENCE TO ALL OSHA, TOWN OR CITY AND STATE OF CONNECTICUT REGULATIONS REGARDING CONSTRUCTION IS REQUIRED AT ALL TIMES.
- CONTRACTOR SHALL NOTIFY CALL-BEFORE-YOU-DIG (1-800-922-4455) FOR UTILITY MARKOUT PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR JOB SAFETY.
- ALL UTILITIES TO BE INSTALLED UNDERGROUND.
- UTILITY LOCATIONS WILL BE AS DETERMINED BY THE UTILITY COMPANIES.
- THE LOCATION AND ELEVATION OF UNDERGROUND UTILITIES IS UNKNOWN IF THEY ARE INDICATED AT ALL ON THESE PLANS. THEY ARE APPROXIMATE AND CCA, LLC, ITS PRINCIPALS OR EMPLOYEES, SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES AND/OR ADDITIONAL COSTS WHICH MIGHT RESULT FROM THE EXISTENCE OF SAID UTILITIES.
- THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING ANY WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- ALL GRADING SHALL BE PERFORMED TO ELIMINATE LOW POINTS AND DEPRESSIONS WHICH WOULD TRAP SURFACE WATER. CONTACT THE DESIGN ENGINEER IF CHANGES ARE WARRANTED.
- GRADING TO BE TO ALL APPLICABLE REGULATIONS AND NORMAL STANDARDS OF GOOD PRACTICE.
- MINOR GRADING CHANGES ARE PERMITTED TO MEET FIELD CONDITIONS PROVIDED PRIOR APPROVAL IS OBTAINED FROM THE ENGINEER.
- GRADING SHALL MAINTAIN EXISTING RUNOFF CONDITIONS.
- ALL BACKFILL FOR BUILDINGS, TRENCHES, STRUCTURES, PARKING, DRIVEWAY AND SIDEWALK ETC. SHALL BE ADEQUATELY COMPACTED TO PREVENT EXCESSIVE SETTLEMENT. CONTACT THE ENGINEER SHOULD ADDITIONAL CLARIFICATION BE NECESSARY.

GENERAL
LEGEND, NOTES
AND ABBREVIATIONS

Date: SEPT. 2001
Scale: N.T.S.
Proj. No: GENERAL
Loop No: STD.
Sheet: N1
Drawn By: CCA, LLC



40 Old New Milford Road
Brookfield, CT 06804
(203) 775-6207

33 Village Green Drive
Litchfield, CT 06759
(860) 957-0776

EJC YJS