Planning Approval
09-00100002_SPA162

JURISDICTIONAL DETERMINATION AREA - 17.0 +/- ACRES

WETLAND IMPACTS

WETLAND	IMPACT AREA (AC)
1	0.07 AC.
3	0.12 AC.
4	0.17 AC.
TOTAL	0.36 AC

WETLAND AREA IMPACTS AUTHORIZED UNDER NATIONWIDE PERMITS 29 & 36, BY PERMIT APPLICATION #NAN-2009-00080, DATED OCTOBER 02, 2009.

LEGEND

- PROPERTY LINE
- EXISTING GAS VALVE (GV)
- EXISTING WATER VALVE (WV)
- EXISTING HYDRANT (HYD)
- EXISTING UTILITY POLE (NG 19)
- EXISTING SIGN
- EXISTING CATCH BASIN
- EXISTING SANITARY MANHOLE
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING WATERMAIN (W)
- EXISTING OVERHEAD WIRE (OH)
- EXISTING CONTOUR (420)
- PROPOSED CONTOUR (420)
- WETLAND BOUNDARY
- PROPOSED IMPACT
- EXISTING TREELINE
- PROPOSED CLEARING LIMITS
- PROPOSED STORM SEWER
- PROPOSED CATCH BASIN

SAND FILTER AREA SHALL BE CONSTRUCTED AS A WET POND UNTIL SUCH TIME THAT THE COMMERCIAL AREA (PHASE V) GRADING, PAVING, AND STABILIZATION IS COMPLETED.

TEST PIT DATA

TEST PIT #	DEPTH	DESCRIPTION	NOTES
1	0-8"	DARK BROWN TOPSOIL	MOTTLING @ 38"
	8-38"	BROWN SANDY SILT	DENSE @ 38"
	38-62"	GREY SILT W/ORANGE MOTTLING	ROOTS DOWN TO 30"
	50-84"		
1A	0-30"	BROWN SILTY CLAY	NO GW
	30-42"	BROWN SILTY TOPSOIL (ORG.)	WETIN ORG. LAYER @ 42"
	42"+	BROWN GREY MOTTLED SILT	
2	0-7"	DARK BROWN TOPSOIL	MINOR SEEPAGE @ 45"
	7-36"	BROWN SANDY SILT	
	36-60"	GREY BROWN MOTTLED SILT - WET	
3	0-6"	BROWN SILTY TOPSOIL	SEEPAGE @ 60"
	6-18"	BROWN SILT	
	18-48"	GREY BROWN MOTTLED SILT	
	60-72"		
4	0-10"	DARK BROWN TOPSOIL	MINOR SEEPAGE @ 72"
	10-24"	YELLOW/BROWN FINE SANDY SILT	
	24-120"	BROWN/GREY SILT	
	120"+	GR	
5	0-6"	DARK BROWN TOPSOIL	SEEPAGE @ 60"
	6-36"	YELLOW/BROWN FINE SANDY SILT	
	36-48"	GREY BROWN MOTTLED SILT	
	48-84"	GREY SILT	
6	0-18"	BROWN SILT TOPSOIL	SEEPAGE @ 72"
	18-82"	DARK BROWN SILT - LOTS OF ORGANICS	
	82-68"	YELLOW/BROWN SANDY SILT W/MOTTLING	
	88-84"	GREY CLAY SILT	
7	0-24"	BROWN CLAY SILT (FILL)	SEEPAGE @ 48"+
	24-36"	DARK BROWN SILT TOPSOIL (ROOTS)	
	36-48"	BROWN SILT	
	48-84"		
8	0-10"	DARK BROWN SILTLY TOPSOIL	WET @ 48"
	10-30"	BROWN FINE SANDY SILT	
	30-72"	BROWN/GREY MOTTLED SILT	
9	0-18"	BRWN TOPSOIL	MOTTLING @ 18"
	10-24"	YELLOW/BROWN FINE SANDY SILT	SEEPAGE @ 54"
	24-72"	BROWN/GREY CLAY SILT W/ HEAVY MOTTLING (MOIST)	
10	0-4"	BROWN TOPSOIL	
	4-44"	YELLOW/BROWN FINE SANDY SILT	
	44-84"	BROWN/GREY SILT W/ SOME MOTTLING (MOIST)	
11	0-4"	BROWN SILTY TOPSOIL	MOTTLING @ 36"
	4-48"	YELLOW/BROWN FINE SANDY SILT	
	48-72"	GREY BROWN MOTTLED SILT	
12	0-8"	BROWN SILTY TOPSOIL	WET @ 60"
	8-42"	YELLOW/BROWN FINE SANDY SILT	
	42-72"	BROWN/GREY DENSE SILT W/MOTTLING	
13	0-6"	DARK BROWN TOPSOIL	
	6-42"	YELLOW/BROWN FINE SANDY SILT	
	42-72"	LIGHT BROWN SANDY SILT	
14	0-2"	DARK BROWN SILTLY TOPSOIL	MOIST @ BOTTOM @ 72"
	2-42"	BROWN FINE SANDY SILT (DRY)	
	42-54"	BROWN CLAY SILT LAYER (DENSE)	
	54-84"		
15	0-10"	DARK BROWN TOPSOIL	SEEPAGE @ 42"
	10-36"	GREY/BROWN SILT W/MOTTLING	
	36-60"	BROWN CLAY SILT	
	60-72"		
16	0-8"	DARK BROWN TOPSOIL	SEEPAGE @ 36"
	8-16"	BROWN FINE SANDY SILT	
	16-58"	GREY/BROWN SILT W/MOTTLING	
	58-62"		
17	67-84"		
	0-8"	DARK BROWN TOPSOIL	WET @ 48"
	8-18"	GREY/BROWN FINE SANDY SILT	
	18-48"	GREY/BROWN SILT W/MOTTLING	
	48-84"		
18	0-8"	DARK BROWN TOPSOIL	SEEPAGE @ 48"
	8-30"	GREY/BROWN FINE SANDY SILT W/MOTTLING	
	30-48"	GREY/BROWN SANDY SILT	
	48-54"		
	54-84"		
19	0-12"	DARK BROWN TOPSOIL	SEEPAGE @ 60"
	12-34"	GREY BROWN FINE SANDY SILT W/MOTTLING	
	34-96"	GREY BROWN SILTY CLAY	

PT-1 BROWN FINE SAND @ 30 1 MIN

TEST PITS PERFORMED ON FEBRUARY 9, 2009, WITNESSED BY IA, DAVID F. INGALLS, JR., PE.

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
This Site Plan Approved
Title Chairman
Date 9/1/2010

RECEIVED
AUG 30 2010
PLANNING BOARD
TOWN OF BETHLEHEM

NO.	DATE:	REVISIONS	BY:
8	8/26/10	ISSUED FOR SIGNATURE	
7	8/19/10		
6	7/22/10	HD/TOWN COMMENTS	FJB
5	6/22/10	TOWN SUBMITTAL (ENG COMMENTS)	FJB
4	6/02/10	TOWN SUBMITTAL (ENG COMMENTS)	F.J.B.
3	4/21/10	TOWN SUBMITTAL	FJB
2	9/09/09	REVISED FOR TOWN SUBMITTAL	F.J.Y.
1	5/26/09	REVISED FOR TOWN SUBMITTAL	F.J.Y.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF SECTION 7209 SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. ONLY COPIES MADE FROM THE ORIGINAL OF THIS DRAWING BEARING AN ORIGINAL INKED OR EMBOSSED SEAL AND SIGNATURE SHALL BE CONSIDERED TO BE VALID TRUE COPIES.

© Copyright 2009 – Ingalls & Associates, LLP – All rights reserved

FRANCIS J. BOSSOLINI, P.E.
N.Y.S. LIC. NO. 071444

ingalls & associates, LLP
engineers / surveyors
2960 GUILDERLAND AVENUE
SCHENECTADY, N.Y. 12306
PHONE: (518) 393-7725
FAX: (518) 393-2924

GRADING PLAN

KENDALL SQUARE
LANDS OF WALDENMAIER

TOWN OF BETHLEHEM
COUNTY OF ALBANY STATE OF NEW YORK

DATE: APRIL, 2009
CHECKED BY: FJB
JOB NO. 08-065
SCALE: 1"=40'
DRAWN BY: TAH
CADD FILE: PLOT
SHEET 2 OF 8