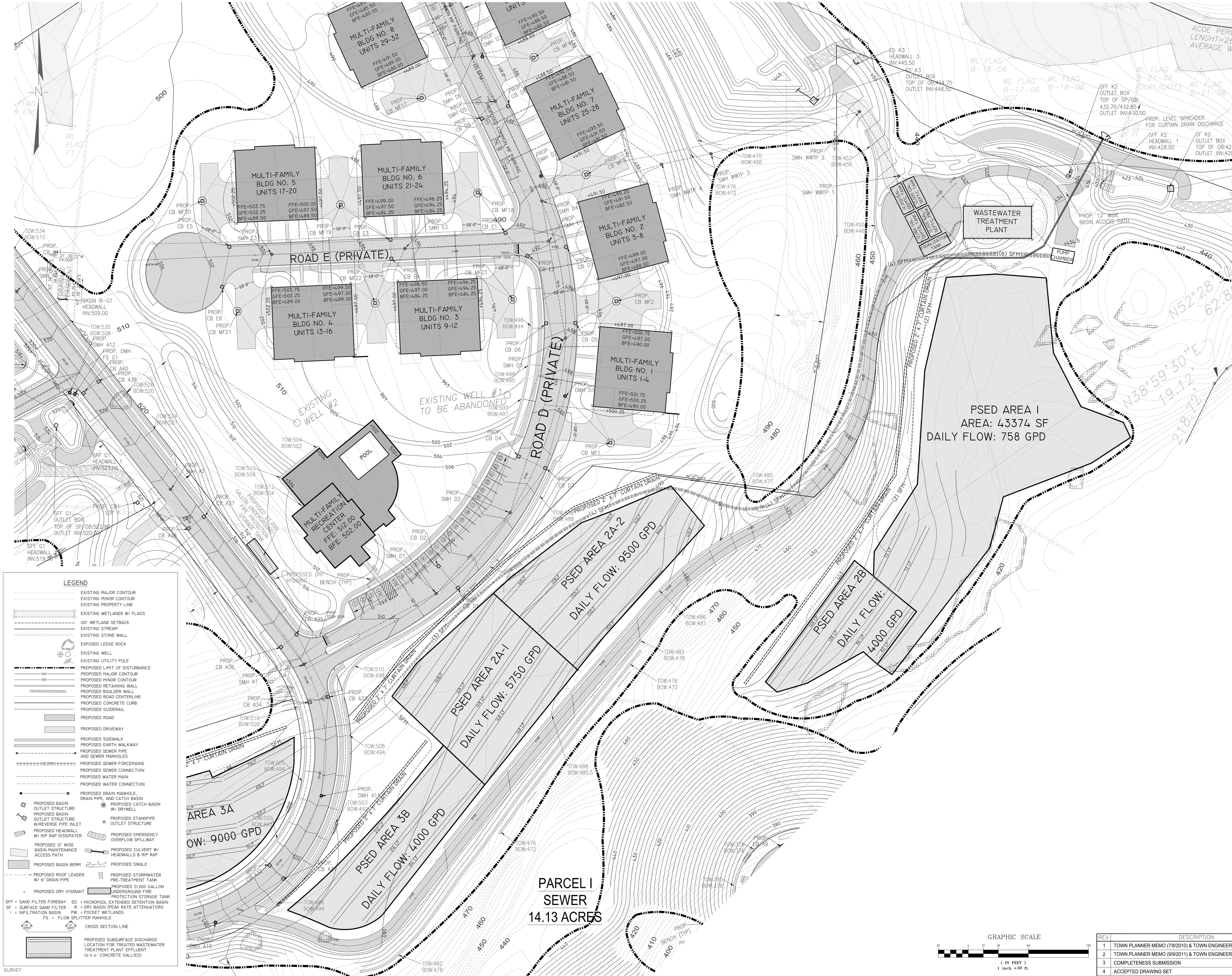

Road D Sewer Table			
Structure	Station	Rim	Invert
SMH A1	0+00	510.98	506.89
SMH D1	1+50	509.39	504.73
SMH D2	2+60	505.66	500.34
SMH D3	4+45	469.41	491.43
SMH E1	5+43	492.11	485.07
SMH D4	5+85	490.50	482.35
SMH D5	6+95	487.51	483.51
SMH D6	7+45	486.51	481.34
SMH D7	9+55	482.31	477.12
SMH D8	11+70	478.00	472.84
SMH D9	13+20	475.00	469.84
SMH D10	15+75	470.51	465.34

Road E Sewer Table			
Structure	Station	Rim	Invert
SMH E1	0+06	492.11	486.33
SMH E2	1+50	494.41	488.87
SMH E3	2+83	499.60	494.40

Road D to WWTP Sewer Table		
Structure	Rim	Invert
SMH WWTP 4	487.00	477.47 (IN) / 467.5 (OUT)
SMH WWTP 3	470.00	465.50
SMH WWTP 2	455.00	448.76
SMH WWTP 1	444.00	440.00

Dates of Wetland Delineations:

September, 1994	By: B. Laing Associates
January 19, 1995	By: B. Laing Associates
March, 2005	By: B. Laing Associates
January 18, 2007	By: B. Laing Associates
November 24, 2008	By: Tim Miller Associates, Inc.
December 15, 2009	By: Tim Miller Associates, Inc.

Notes:

1. Existing stone walls throughout the site shall be preserved where possible, and reused when disturbance is unavoidable.
2. Adjacent House and Well Locations are approximate and are based on aerial photos and site visits to certain residences during the 2008 pump test.

Area = 159.520 ac.

Refer to map entitled "Survey of Property prepared for Marco Iorio" said map filed in the Westchester County Clerks Office on April 9, 1979 as Map # 19887

Topography information obtained from Survey Map by Bunney Associates, Dated October 20, 2003

The location of underground improvements or encroachments, if any exist, are not certified

Unauthorized alterations or additions to this drawing is a violation of section 7209, sub-division 2, of the New York State Education Law.

LEGEND

- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING PROPERTY LINE
- EXISTING WETLANDS W/ FLAGS
- 100' WETLAND SETBACK
- EXISTING STREAM
- EXISTING STONE WALL
- EXPOSED LEDGE ROCK
- EXISTING WELL
- EXISTING UTILITY POLE
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED MAJOR CONTOUR (360)
- PROPOSED MINOR CONTOUR (358)
- PROPOSED RETAINING WALL
- PROPOSED BOULDER WALL
- PROPOSED ROAD CENTERLINE
- PROPOSED CONCRETE CURB
- PROPOSED GUIDERAIL
- PROPOSED ROAD
- PROPOSED DRIVEWAY
- PROPOSED SIDEWALK
- PROPOSED EARTH WALKWAY
- PROPOSED SEWER PIPE AND SEWER MANHOLES
- PROPOSED SEWER FORCEMAINS ((2) SFM)
- PROPOSED SEWER CONNECTION
- PROPOSED WATER MAIN
- PROPOSED WATER CONNECTION
- PROPOSED DRAIN MANHOLE, DRAIN PIPE, AND CATCH BASIN
- PROPOSED BASIN OUTLET STRUCTURE
- PROPOSED CATCH BASIN W/ DRYWELL
- PROPOSED BASIN OUTLET STRUCTURE W/REVERSE PIPE INLET
- PROPOSED STANDPIPE OUTLET STRUCTURE
- PROPOSED HEADWALL W/ RIP RAP DISSIPATER
- PROPOSED EMERGENCY OVERFLOW SPILLWAY
- PROPOSED 12' WIDE BASIN MAINTENANCE ACCESS PATH
- PROPOSED CULVERT W/ HEADWALLS & RIP RAP
- PROPOSED BASIN BERM
- PROPOSED SWALE
- PROPOSED ROOF LEADER W/ 6" DRAIN PIPE
- PROPOSED STORMWATER PRE-TREATMENT TANK
- PROPOSED DRY HYDRANT
- PROPOSED 21,000 GALLON UNDERGROUND FIRE PROTECTION STORAGE TANK

SFF = SAND FILTER FOREBAY ED = MICROPOOL EXTENDED DETENTION BASIN
SF = SURFACE SAND FILTER B = DRY BASIN (PEAK RATE ATTENUATION)
I = INFILTRATION BASIN PW = POCKET WETLANDS
FS = FLOW SPLITTER MANHOLE

- CROSS SECTION LINE
- PROPOSED SUBSURFACE DISCHARGE LOCATION FOR TREATED WASTEWATER TREATMENT PLANT EFFLUENT (4'x 4' CONCRETE GALLIES)

SURVEY

DATE: OCTOBER 20, 2003

THE LOCATION OF UNDERGROUND IMPROVEMENTS OR ENCROACHMENTS, IF ANY EXIST, ARE NOT CERTIFIED

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.

GRAPHIC SCALE

(IN FEET)
1 inch = 30 ft.

REV.	DESCRIPTION	BY	DATE
1	TOWN PLANNER MEMO (7/8/2010) & TOWN ENGINEER MEMO (7/9/2010)	DPG	December 29, 2010
2	TOWN PLANNER MEMO (9/9/2011) & TOWN ENGINEER MEMO (9/3/2011)	DPG	February 24, 2012
3	COMPLETENESS SUBMISSION	DPG	July 31, 2012
4	ACCEPTED DRAWING SET	DPG	September 12, 2012
5	RESOLUTION 139-13	PJG	April 22, 2013

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Professional Land Surveyor
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Brewster, NY 10509
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PROJECT ENGINEER
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e-mail: INFO@KCGENGINEERS.COM

P.E. for Civil Engineering Only

SEWER PLANT SITE PLAN

HIGHGATE - WOODLANDS AT NORTH SALEM
REED ROAD AND HARDSCRABBLE ROAD
TOWN OF NORTH SALEM
COUNTY OF WESTCHESTER
STATE OF NEW YORK

DRAWN BY: RN	CHECKED BY: DC
SCALE: AS NOTED	
DATE: NOVEMBER 1, 2005	
JOB NUMBER	SHEET
	SP-1, WWTP 1 OF 15