

**SEWER FEASIBILITY ANALYSIS
FOR
BEDMINSTER TOWNSHIP**

Somerset County, New Jersey

APRIL 27, 2015

Prepared by:

Ferriero Engineering, Inc.
180 Main Street, PO Box 571
Chester, NJ 07930

The purpose of this study is to identify and evaluate potential routes for connecting the residential properties on Ski Hill Drive, Berkshire Court, Old Dutch Road East, Old Stonehouse Road, Deer Haven Road and certain parcels on Route 206 North Bound to the existing sanitary sewer system.

The study area consists of 106 properties, of these lots:

- 7 could be connected by a gravity system
- 5 could be connected by gravity with easements and individual pumps
- 94 would require a force main and numerous pumps stations

Septic system alterations of the dwellings in the study area:

37 have had septic system alterations in the period 1991 – 2014.

Four of these dwellings are in an area that could be potentially be served by gravity lines and the remaining 33 would require a force main / pump station.

The alignment option analyzed in this study has considered the natural existing contours and connecting the existing sewer main on Hillside Road. The depth of the new proposed 8' gravity line would be between 8' – 12' below the road surfaces.

The potential gravity main could connect the residential lots shown on Exhibit A, to the existing facilities and allow the existing on-site subsurface disposal systems to be abandoned.

The construction cost estimates for the conceptual plan is \$801,658.00 or \$66,805.00 per lot.

The process of connecting the residential lots to the treatment plant will require a number of approvals from the New Jersey Department of Environmental Protection, including an amendment to the Wastewater Management Plan (WMP) as well as the detailed design approval of the facilities.

**Preliminary Engineer's Estimate
Sewer Feasibility Study**

**Bedminster Township
Somerset County, New Jersey**

27-Apr-15

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GRAVITY ONLY					
Item No.	Item	Quantity	Unit	Unit Price	Total
1	Mobilization	1	LS	\$5,000.00	\$5,000.00
2	Maintenance and Protection of Traffic	1	LS	\$75,000.00	\$75,000.00
3	8-inch PVC Gravity Sewer	3000	LF	\$75.00	\$225,000.00
4	Precast Concrete Manholes, 48" Dia	14	UNIT	\$3,200.00	\$44,800.00
5	Pavement Restoration - 4' Wide	1400	SY	\$22.00	\$30,800.00
6	Bituminous Conc Overlay - 6' Wide	2000	SY	\$5.00	\$10,000.00
7	General Restoration	3500	LF	\$5.00	\$17,500.00
8	Testing / Video Inspection	1	LS	\$10,000.00	\$10,000.00
9	Utilization of Steel Trench Box	1	LS	\$7,500.00	\$7,500.00
10	Miscellaneous Concrete	500	CY	\$250.00	\$125,000.00
11	Final Cleanup	1	LS	\$10,000.00	\$10,000.00
	Estimated Construction Cost				\$560,600.00
	Contingency (15%)				\$84,090.00
	Permitting / Design (18%)				\$100,908.00
	Construction Management / Inspection (10%)				\$56,060.00
	Grand Total				\$801,658.00



Paul W. Ferriero, PE, CME
Township Engineer
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