

# SOIL MOVING REPORT

PROPOSED 7 TOWNHOUSES  
LOTS 6.01, 6.02, 6.03, BLOCK 43  
BOROUGH OF ALPINE  
BERGEN COUNTY, NEW JERSEY  
(FILE # 495)

**PREPARED ON:**

**December 9, 2019**  
**REV1: March 31, 2020**

**PREPARED FOR:**

**APPLICANT/OWNER**

Alpine Three L.L.C.  
P.O. Box 835  
Alpine, New Jersey 07620

**MICHAEL J. HUBSCHMAN, P.C.**  
MICHAEL J. HUBSCHMAN, P.E., P.P.  
PROFESSIONAL ENGINEER AND PLANNER  
263A SOUTH WASHINGTON AVENUE  
BERGENFIELD, NEW JERSEY 07621  
PHONE: 201-384-5666



## CONCLUSION:

The proposed 7 townhouses in the Borough of Alpine, Bergen County, New Jersey will result in a net import of soil during construction. Based on the current site plans and the attached cross sections, an estimated 600 cubic yards of soil materials will need to be imported to the project site.

Total Cut (CY)

---

2,062

Total Fill (CY)

---

2,662

Quantity of Soil to Be  
Imported To Site (CY)

---

600

<b>CUT</b>	
<b>Cultec Chambers</b>	
	7 Chambers
Bed Area	340.66 SF
Bed Depth	4.92 FT
Bed Volume	1,676 CF
<b>Cut Volume</b>	<b>62 CY</b>

<b>CUT</b>	
<b>Detention System</b>	
	5 - 42"Ø pipes = 48" O.D.
Pipes	$58 \text{ Ft.} \times 5 \times ((\pi \times 4^2)/4) = 3,644$ CF
End Section	$2 \times 6 \text{ Ft.} \times 8 \text{ Ft.} \times 26 \text{ Ft.} = 2,496$ CF
<b>Cut Volume</b>	<b>6,140 CF</b> <b>227 CY</b>

<b>CUT</b>	<b>Cut (SF)</b>	<b>Average (SF)</b>	<b>Distance (FT)</b>	<b>Volume (CF)</b>
0+38 W	4	4.50	18	81.00
0+56 E	5			
0+56 W	294	247.50	21	5,197.50
0+77 E	201			
0+77 W	510	469.50	25	11,737.50
1+02 E	429			
1+02 W	318	303.00	20	6,060.00
1+22 E	288			
1+22 W	82	47.00	31	1,457.00
1+53 E	12			
1+53 W	302	321.00	21	6,741.00
1+74 E	340			
1+74 W	507	459.50	22	10,109.00
1+96 E	412			
1+96 W	386	383.00	4	1,532.00
2+00 E	380			
2+00 W	279	246.50	20	4,930.00
2+20 E	214			
2+20 W	3	1.50	12	18.00
2+32 E	0			
2+32 W	0	0.00	10	0.00
2+42 E	0			
<b>Total</b>				<b>47,863.00 ≈ 1,773 CY</b>

<b>FILL</b>	<b>Fill (SF)</b>	<b>Average (SF)</b>	<b>Distance (FT)</b>	<b>Volume (CF)</b>
0+38 W	254	277.00	18	4,986.00
0+56 E	300			
0+56 W	206	337.00	21	7,077.00
0+77 E	468			
0+77 W	229	256.00	25	6,400.00
1+02 E	283			
1+02 W	277	279.00	20	5,580.00
1+22 E	281			
1+22 W	451	315.50	31	9,780.50
1+53 E	180			
1+53 W	338	380.50	21	7,990.50
1+74 E	423			
1+74 W	268	279.00	22	6,138.00
1+96 E	290			
1+96 W	520	517.50	4	2,070.00
2+00 E	515			
2+00 W	522	590.50	20	11,810.00
2+20 E	659			
2+20 W	829	836.00	12	10,032.00
2+32 E	843			
2+32 W	0	0.00	10	0.00
2+42 E	0			

Total 71,864.00 ≈ 2,662 CY