

**ENGINEER'S COST ESTIMATE FOR LIBERTY PETROLEUM TRAVEL PLAZA - LOT #1  
 NEW VENTURES PARK - SITE IMPROVEMENTS**

ITEM NO.	APPROX. QUANTITY	UNITS	DESCRIPTION	UNIT PRICE	TOTAL	PERCENT COMPLETE
1	L.S.		Mobilization includes Construction Survey	\$45,823.63	\$ 45,823.63	100.00%
2	1	ea.	Stone Construction Entrance	\$ 1,800.00	\$ 1,800.00	100.00%
3	1343	CY	Strip and Stockpile Topsoil	\$ 6.00	\$ 8,058.00	100.00%
4	15	ea.	Inlet Protection - Filter Bag	\$ 175.00	\$ 2,625.00	100.00%
5	4	ea.	Inlet Protection - Mesh & Stone	\$ 250.00	\$ 1,000.00	100.00%
6	1141	LF	12" Filtrexx Siltsoxx	\$ 5.50	\$ 6,275.50	100.00%
7	62	LF	18" Filtrexx Siltsoxx	\$ 8.00	\$ 496.00	75.00%
8	56	LF	24" Filtrexx Siltsoxx	\$ 10.50	\$ 588.00	75.00%
9	2168	SY	Screen and Spread Topsoil Stripped from the Site	\$ 1.00	\$ 2,168.00	100.00%
10	2168	SY	Erosion Control Blankets	\$ 1.75	\$ 3,794.00	75.00%
11	3189	SY	Seeding, Soil Supplements, and Mulch	\$ 1.00	\$ 3,189.00	75.00%
12	13534	SY	Fine Grade Roadway, and Building Areas to Subgrade Elevations	\$ 1.25	\$ 16,917.50	100.00%
13	10	ea.	Type 'M' Storm Inlets, 4'-7' Deep	\$ 1,600.00	\$ 16,000.00	100.00%
14	1	ea.	Type 'M' Storm Inlets, 7'-9' Deep	\$ 1,900.00	\$ 1,900.00	100.00%
15	11	ea.	Storm Cleanout for Swmgt. Infiltration Beds	\$ 275.00	\$ 3,025.00	50.00%

ITEM NO.	APPROX. QUANTITY	UNITS	DESCRIPTION	UNIT PRICE	TOTAL	PERCENT COMPLETE
16	1	ea.	Double Type 'M' Storm top with Type '4' Inlet Box, 4.00' Deep	\$ 2,300.00	\$ 2,300.00	100.00%
17	8	ea.	Type 'C' Storm Inlets, 4.25'-5.25' Deep	\$ 2,000.00	\$ 16,000.00	100.00%
18	21	ea.	4' Dia. Storm Manhole (3' - 7' Deep)	\$ 2,250.00	\$ 47,250.00	100.00%
19	5	ea.	4' Dia. Storm Manhole (7' - 10' Deep)	\$ 2,600.00	\$ 13,000.00	100.00%
20	11	ea.	Storm Basins with Fabco Nutrient Cartridge and Oil Boom Kit 9731-2-720 for Type 'M' Inlets	\$ 1,100.00	\$ 12,100.00	70.00%
21	8	ea.	Storm Basins with Fabco Nutrient Cartridge and Oil Boom Kit 9731-2-720 for Type 'C' Inlets	\$ 1,200.00	\$ 9,600.00	100.00%
22	197	LF	Roof Leaders 4" Dia. Sch-40 PVC	\$ 25.00	\$ 4,925.00	100.00%
23	211	LF	Roof Leaders 6" Dia. Sch-40 PVC	\$ 28.00	\$ 5,908.00	100.00%
24	26	LF	12" Storm Sewer - SLCPP	\$ 32.00	\$ 832.00	100.00%
25	844	LF	15" Storm Sewer - SLCPP	\$ 37.00	\$ 31,228.00	100.00%
26	503	LF	18" Storm Sewer - SLCPP	\$ 40.00	\$ 20,120.00	100.00%
27	165	LF	24" Storm Sewer - SLCPP	\$ 45.00	\$ 7,425.00	100.00%
28	1429	LF	24" Storm Sewer - SLCPP Fully Perforated (Inside Stormwater Bed no trenching required)	\$ 35.00	\$ 50,015.00	100.00%
29	11	ea.	24" Storm Sewer - SLCPP Tees or 90 degree bends)	\$ 250.00	\$ 2,750.00	100.00%
30	L.S.		Stormwater Infiltration Bed #B1 (Total Volume = 15,876 CF) includes the Geotextile Fabric & Stone	\$23,814.00	\$ 23,814.00	100.00%

ITEM NO.	APPROX. QUANTITY	UNITS	DESCRIPTION	UNIT PRICE	TOTAL	PERCENT COMPLETE
31	L.S.		Stormwater Infiltration Bed #B2 (Total Volume = 26,728.80 CF) includes the Geotextile Fabric & Stone	\$40,093.20	\$ 40,093.20	100.00%
32	L.S.		Stormwater Infiltration Bed #C1 (Total Volume = 45,900 CF) includes the Geotextile Fabric & Stone	\$68,850.00	\$ 68,850.00	100.00%
33	L.S.		Stormwater Infiltration Bed #E1 (Total Volume = 23,993.76 CF) includes the Geotextile Fabric & Stone	\$35,990.64	\$ 35,990.64	100.00%
34	10188	SY	Install of 6" Deep of PA #2A Subbase for bituminous pavement areas	\$ 5.50	\$ 56,034.00	100.00%
35	L.S.		Landscape Budget for around Development	\$10,000.00	\$ 10,000.00	75.00%
36	90	ea.	Forested Riparian Buffer Planting	\$ 150.00	\$ 13,500.00	100.00%

<b>ESTIMATED CONSTRUCTION COST</b>	<b>\$ 585,394.47</b>
<b>10% CONTINGENCY</b>	<b>\$ 58,539.45</b>
<b>TOTAL ESTIMATED SITE CONSTRUCTION BUDGET</b>	<b>\$ 643,933.92</b>
<b>10% FOR SALDO 135-27</b>	<b>\$ 64,393.39</b>
<b>REQUIRED FINANCIAL GAURANTEE</b>	<b>\$ 708,327.31</b>

<b>ENGINEER'S TABULATION OF FINANCIAL GAURANTEE REDUCTION FOR THE SITE CONSTRUCTION COST'S FOR LIBERTY PETROLEUM TRAVEL PLAZA - LOT #1</b>	
<b>TOWNSHIP'S REQUIRED 15% OF FINANCIAL GAURANTEE FOR 18 MONTHS AFTER COMPLETION OF CONSTRUCTION</b>	<b>\$ 106,249.10</b>
<b>SUMMATION OF COSTS FOR ITEMS OF CONSTRUCTION WORK NOT 100% COMPLETED</b>	<b>\$ 9,659.25</b>
<b>Fire Lane Painting along with Traffic Control Signs (Three Fire lane and Two No idling signs)</b>	<b>\$ 2,000.00</b>
<b>COMPLETION OF AS-BUILT SURVEY TO BE SUBMITTED BY MAY 31, 2018</b>	<b>\$ 5,000.00</b>
<b>REDUCTION OF FINANCIAL GAURANTEE (17.35% OF ORIGINAL GAURANTEE)</b>	<b>\$ 122,908.35</b>