

Project: RAY HORVATH FLOORWORKS AND BLINDS

What is the BFE for this site?	9.00 feet
What is the 100yr Flood Elevation for this area?	14.25 feet
What is the average elevation of the parking lot <u>before</u> construction (in feet)?	10.34 feet
What is the high elevation of the parking lot <u>after</u> construction (in feet)?	11.06 feet
What is the height of the catch basin inlet(s) for parking lot (in feet)?	10.38 feet
How many catch basins are designed for the parking lot?	3.00 catch basin
What is the average reach to the catch basins from the edge of parking lot?	46.42 feet
What is the thickness of soil that will be removed from the parking lot area for construction?	0.50 feet
What is the thickness of the parking lot concrete being poured?	0.50 feet
What is the square footage of the parking lot?	10,831.00 Sq Feet
Average elevation of parking lot after construction:	10.49 feet

What is the average elevation of the building area <u>before</u> construction (in feet)?	10.73 feet
What is the elevation of the slab <u>after</u> construction (in feet)?	12.00 feet
What is the thickness of soil that will be removed from the building area?	1.50 feet
What is the thickness of the slab?	0.42 feet
What is the square footage of the slab?	3,900.00 Sq Feet

Parking Lot :	Ft ³	Yd ³
Soil Cut:	5,415.50	200.5741
Soil Fill:	1,611.52	59.68599
Concrete Parking Lot:	5,415.50	200.5741
Total Fill:	7,027.02	260.2601
Difference:	1,611.52	59.68599

Mitigation from 12" drainage pipes:	0.79	ft ² Area of Pipe
	70	Total Length (ft)
	54.95	Total (Ft ³)

Mitigation from 2'x2'x3' catch basins:	12	Cubic Ft each basin
	3	# of basins
	36	Total (Ft ³)

Building :	Ft ³	Yd ³
Soil Cut:	5,850.00	216.6667
Soil Fill:	9,177.87	339.9211
Slab:	1625.13	60.19
Total Fill:	10,803.00	400.1111
Difference:	4,953.00	183.4445

To mitigate area caused by construction; the rectangular pond	170.00	Length of Pond (ft)
	16.50	Width of Pond (ft)
Level Pond @1.72ft below grade:	1.72	depth (ft)
Volume of Pond:	4,824.60	Total (Ft ³)
Volume of remaining pond w/1.72ft depth:	853.10	Total (Ft ³)
Volume of 1:2.5 slope from Planting Area	836.67	Total (Ft ³)

Total space to displace	Ft ³	Yd ³
	6,564.52	243.1304

Total Volume Mitigated:	Ft ³	Yd ³
	6,605.32	244.6415