

OP South Boulevard, Oak Park, Illinois
Environmental Construction and Underground Obstructions Estimates
 May 18, 2017

Description	West Lot ¹		East Lot ²				Special Waste Unit Cost Above CCD ³ (\$/CY)	Dig, Haul & Landfill Special Waste (\$/CY)
	West Lot Quantities (CY)	Special Waste Proportion (%)	Special Waste Quantities (CY)	East Lot Quantities (CY)	Special Waste Proportion (%)	Special Waste Quantities (CY)		
Ferrous Cinder	0	0%	0	350	100%	350	64.98	22,743.00
Pot holing spoil to haul offsite	10	100%	10	10	100%	10	64.98	1,299.60
Caisson cap spoil to haul offsite	380	50%	190	400	50%	200	64.98	25,342.20
Grade beam spoil to haul offsite	682	50%	341	558	50%	279	64.98	40,287.60
Balance of Mass Grade Cut	650	50%	325	430	50%	215	64.98	35,089.20
Caisson Spoil to haul offsite	925	25%	231	925	25%	231	64.98	30,053.25
Buried Demolition Debris (non-CCDD)	1000	50%	500	0	0%	0	64.98	32,490.00
Underground Utilities Excavation Spoil	200	50%	100	200	100%	200	64.98	19,494.00
Total Non-Hazardous Special Waste Hauloff								\$206,799

Underground (Caisson) Obstructions

- 1) Assume 5 obstructions at 1.5/hrs each
- 2) Cost includes excavator time (\$325/hr), caisson contractor downtime (\$1950/hr), haul-off and disposal as CCDD
- 3) Assumes 50 CY of haul off as CCDD at \$29.64

Total Underground Obstructions

\$19,000.00

Environmental Consulting Support

- 1) CCDD Sampling (borings), Analysis and Certification
- 2) Attend pre-construction kick-off meeting to assist trades in understanding and adhering to the *Soil Management and Construction Contingency Plan* (SMCCP), including the contaminated media identification and control procedures.
- 3) Periodic site visits during construction to ensure material handling/special waste segregation is being performed in accordance with the SMCCP and to ensure representations made to CCDD facility(ies) are being adhered to (no more than 5 field days are assumed).
- 4) Advise on the classification of buried debris (i.e., west lot) or other materials that may be encountered during construction.

Total Environmental Consulting Support

\$18,000

Notes:

- ¹ West Lot: 3' - 7' of sandy fill containing some asphalt, wood debris and occasional black sand; general non-CCDD demolition debris possible
- ² East Lot: 1' - 2' of ferrous cinder fill over 30%. Petro. impacted soils (odors and PID readings) present across north half to max. depths of 17'
- ³ Special waste dig, haul & tip @ \$94.62 - CCDD uncontaminated soil dig, haul & tip @ \$29.64 = \$64.98

Total Environmental + Underground Obstructions **\$243,799**