

MATERIAL TAKEOFF AND COST ESTIMATE

EARTHWORK TAKEOFFS



E-mail: Info@aaestimating.com
 Web: www.aaestimating.com
 Contact:
 QTO #
 Update:

SR.	DRAWING	DETAIL	CSI NO	DESCRIPTION	QTY.	WASTE	TOTAL QTY.	UNIT	UNIT PRICE	TOTAL PRICE
			01 00 00	DIVISION 01 - GENERAL REQUIREMENTS						
1				General Requirements	1	0%	1	LS	\$0	\$0
				Subtotal						
			31 00 00	DIVISION 31 - EARTHWORK						
			31 10 00	SITE CLEARING						
2	CD1.0			Clear and grub grassy landscape area	36000	0%	36000	SF	\$0	\$0
3	CD1.0			Clear and grub wooden landscape area	8000	0%	8000	SF	\$0	\$0
			31 10 00	SITE DEMOLITION						
4	CD1.0	Keynote 1		Sawcut concrete sidewalk	75	0%	75	LF	\$0	\$0
5	CD1.0	Keynote 2		Sawcut asphalt pavement	320	0%	320	LF	\$0	\$0
6	CD1.0	Keynote 3		Remove concrete sidewalk pavement	1260	0%	1260	SF	\$0	\$0
7	CD1.0	Keynote 4		Remove concrete driveway pavement	600	0%	600	SF	\$0	\$0
8	CD1.0	Keynote 5		Remove asphalt pavement	4280	0%	4280	SF	\$0	\$0
9	CD1.0	Keynote 6		Remove gravel paving at parking lot	6500	0%	6500	SF	\$0	\$0
	CD1.0	Keynote 6		Remove (6"thk.) drainage stone spread over existing lot	60200	0%	60200	SF	\$0	\$0
11	CD1.0	Keynote 7		Remove concrete pavement & roofing entirely down to structural slab	2800	0%	2800	SF	\$0	\$0
12	CD1.0	Keynote 8		Remove brick paver pavement	1940	0%	1940	SF	\$0	\$0
13	CD1.0	Keynote 9		Remove stone paver pavement	850	0%	850	SF	\$0	\$0
14	CD1.0	Keynote 10		Remove precast concrete paver pavement	220	0%	220	SF	\$0	\$0
15	CD1.0	Keynote 11		Remove concrete retaining wall - Avg . 4'6"H Above finish grade	120	0%	120	LF	\$0	\$0
16	CD1.0	Keynote 12		Remove concrete curb	1450	0%	1450	LF	\$0	\$0
17	CD1.0	Keynote 13		Remove steel faced concrete curb	80	0%	80	LF	\$0	\$0
18	CD1.0	Keynote 14		Remove concrete curb and gutter	380	0%	380	LF	\$0	\$0
19	CD1.0	Keynote 15		Remove granite curb	140	0%	140	LF	\$0	\$0
20	CD1.0	Keynote 16		Remove wooden curb	50	0%	50	LF	\$0	\$0
21	CD1.0	Keynote 17		Remove (6'H) chain-link fence	460	0%	460	LF	\$0	\$0
22	CD1.0	Keynote 18		Remove (10'H) chain-link fence	80	0%	80	LF	\$0	\$0
23	CD1.0	Keynote 19		Remove (4'H) wrought iron fence	160	0%	160	LF	\$0	\$0
24	CD1.0	Keynote 20		Remove (8'H) wrought iron fence	100	0%	100	LF	\$0	\$0
25	CD1.0	Keynote 21		Remove (6'H) wooden fence	185	0%	185	LF	\$0	\$0
26	CD1.0	Keynote 22		Remove bollard	25	0%	25	EA	\$0	\$0
27	CD1.0	Keynote 23		Remove traffic signage	4	0%	4	EA	\$0	\$0
28	CD1.0	Keynote 24		Remove parking bumper	45	0%	45	EA	\$0	\$0
29	CD1.0	Keynote 25		Remove play equipment	2	0%	2	EA	\$0	\$0
30	CD1.0	Keynote 26		Remove gas meter	1	0%	1	EA	\$0	\$0
31	CD1.0	Keynote 27		Remove water meter	1	0%	1	EA	\$0	\$0
32	CD1.0	Keynote 28		Remove electric panel board	1	0%	1	EA	\$0	\$0
33	CD1.0	Keynote 29		Remove fire hydrant incl. valve assembly	6	0%	6	EA	\$0	\$0
34	CD1.0	Keynote 30		Remove curb valve assembly	1	0%	1	EA	\$0	\$0
35	CD1.0	Keynote 31		Remove sanitary cleanout	4	0%	4	EA	\$0	\$0
36	CD1.0	Keynote 32		Remove precast concrete catch basin	12	0%	12	EA	\$0	\$0

37	CD1.0	Keynote 33		Remove precast concrete manhole	26	0%	26	EA	\$0	\$0
38	CD1.0	Keynote 34		Remove (8") PVC sanitary sewer pipe	210	0%	210	LF	\$0	\$0
39	CD1.0	Keynote 35		Remove (12") HDPE storm sewer pipe	180	0%	180	LF	\$0	\$0
40	CD1.0	Keynote 36		Remove (15") precast concrete storm sewer pipe	360	0%	360	LF	\$0	\$0
41	CD1.0	Keynote 37		Remove (2") DIP water pipe	450	0%	450	LF	\$0	\$0
42	CD1.0	Keynote 38		Remove (1") gas pipe	320	0%	320	LF	\$0	\$0
43	CD1.0	Keynote 39		Remove electrical line	146	0%	146	LF	\$0	\$0
44	CD1.0	Keynote 40		Remove communication line	120	0%	120	LF	\$0	\$0
				31 25 00 EROSION CONTROL						
45	EC1.0	1/ESC5.1		Stabilized construction entrance - SCE	1280	5%	1344	SF	\$0	\$0
46	EC1.0	2/ESC5.1		Silt fence - SF	1460	5%	1533	LF	\$0	\$0
47	EC1.0	3/ESC5.1		Super silt fence - SSF	1320	5%	1386	LF	\$0	\$0
48	EC1.0	4/ESC5.1		Inlet protection - IP	12	0%	12	EA	\$0	\$0
49	EC1.0	1/ESC5.2		Concrete washout area - CW	1	0%	1	EA	\$0	\$0
50	EC1.0	1/ESC5.2		Staging area	4500	5%	4725	SF	\$0	\$0
51	EC1.0	1/ESC5.2		Stockpile area	3600	5%	3780	SF	\$0	\$0
52	EC1.0	1/ESC5.2		(15") Fiber roll	140	5%	147	LF	\$0	\$0
53	EC1.0	Gen. Note 1		Continuous watering on site to control dust	42000	5%	44100	SF	\$0	\$0
54	EC1.0	Gen. Note 2		(8'H) Construction fence	2800	5%	2940	LF	\$0	\$0
55	EC1.0	Gen. Note 3		Project information signage	1	0%	1	EA	\$0	\$0
56	EC1.0	Gen. Note 4		Maintenance and protection of erosion control measures	1	0%	1	LS	\$0	\$0
				31 20 00 EARTH MOVING						
57	CG1.0			Cut to achieve final subgrade	14500	15%	16675	CY	\$0	\$0
58	CG1.0			Fill to achieve final subgrade	16300	15%	18745	CY	\$0	\$0
59	CG1.0	S1.1		Excavation for building's footings	4850	15%	5577.5	CY	\$0	\$0
60	CG1.0	S1.1		Support of excavation for 6'Deep excavation	3250	5%	3412.5	SF	\$0	\$0
61	CG1.0	S1.1		Support of excavation for 8'Deep excavation	2680	5%	2814	SF	\$0	\$0
				31 23 00 TRENCHING						
				Trenching for Storm Sewer Line:						
62	CU1.0			Trenching for storm water pipes - 12", 15" & 24"	840	15%	966	CY	\$0	\$0
63				Backfill trench w/ soil in landscape areas	660	15%	759	CY	\$0	\$0
64				Backfill trench w/ aggregate in hardscape areas	120	10%	132	CY	\$0	\$0
65				Aggregate for bedding and pipe zone	60	10%	66	CY	\$0	\$0
66				Shoring for Avg. 6'Deep trench	4600	5%	4830	SF	\$0	\$0
67				Shoring for Avg. 8'Deep trench	2500	5%	2625	SF	\$0	\$0
				Trenching for Sanitary Sewer Line:						
68	CU2.0			Trenching for sanitary water pipes - 6", 8" & 12"	320	15%	368	CY	\$0	\$0
69				Backfill trench w/ soil in landscape areas	220	15%	253	CY	\$0	\$0
70				Backfill trench w/ aggregate in hardscape areas	60	10%	66	CY	\$0	\$0
71				Aggregate for bedding and pipe zone	40	10%	44	CY	\$0	\$0
72				Shoring for Avg. 8'Deep trench	1600	5%	1680	SF	\$0	\$0
73				Shoring for Avg. 10'Deep trench	1800	5%	1890	SF	\$0	\$0
				Trenching for Water / Gas Line:						
74	CU2.0			Trenching for gas, domestic & fire water pipes - 2", 6" & 8"	140	15%	161	CY	\$0	\$0
75				Backfill trench w/ soil in landscape areas	90	15%	103.5	CY	\$0	\$0
76				Backfill trench w/ aggregate in hardscape areas	30	10%	33	CY	\$0	\$0
77				Aggregate for bedding and pipe zone	20	10%	22	CY	\$0	\$0
78				#12 Copper tracing wire	750	5%	787.5	LF	\$0	\$0
79				Detectable warning / caution tape	750	5%	787.5	LF	\$0	\$0
				Trenching for Electric / Telecom Line:						
80	ES1.0			Trenching for electric / telecom lines - <i>Direct burial & Ductbank</i>	320	15%	368	CY	\$0	\$0
81				Backfill trench w/ soil in landscape areas	220	15%	253	CY	\$0	\$0
82				Backfill trench w/ aggregate in hardscape areas	100	10%	110	CY	\$0	\$0
83				#12 Copper tracing wire	1250	5%	1312.5	LF	\$0	\$0
84				Detectable warning / caution tape	1250	5%	1312.5	LF	\$0	\$0
				31 30 00 DEWATERING						
85	C4.0			Continuous dewatering to facilitate excavation - 3,360 SF - Lower ground water from EL 2.50 to EL -1.50	1	0%	1	LS	\$0	\$0
				31 31 00 TERMITE CONTROL						
86	S1.0			Termite control treatment for SOG	16500	5%	17325	SF	\$0	\$0
				31 32 00 PETROLEUM BULK STORAGE TANK SYSTEM CLOSURE						

87	AD1.0	See Spec.		Remove 1,000 GAL. underground storage tank incl. associated aboveground & underground piping and appurtenances.	1	0%	1	EA	\$0	\$0
88	AD1.0	See Spec.		Remove 550 GAL. underground storage tank incl. associated aboveground & underground piping and appurtenances.	2	0%	2	EA	\$0	\$0
89	AD1.0	See Spec.		Characterize, remove, transport and off-site dispose oil, oil-water mixture, and/or sludge / tank bottoms as per NYC standards	1000	5%	1050	GALLON	\$0	\$0
31 33 00				SUBDRAINAGE SYSTEM						
				Drainage for Concrete Curb:						
90	C104			(4", Sch. 40) Perforated PVC / Triple walled perforated HDPE pipe	74	5%	77.7	LF	\$0	\$0
91				Clean drainage stone	2.65	5%	2.7825	CY	\$0	\$0
92				Filter fabric	295	5%	309.75	SF	\$0	\$0
				Subtotal						
				TOTAL BASE BID						
Exclusions:					Abbreviations:					
1: N/A					w/ <> with ; o.c <> on center ; incl. <> including ; Reinf. <> Reinforced					