



HINGHAM PUBLIC SAFETY FACILITY

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335 Lincoln St. Hingham MA 02043

S#	DWG #	DETAIL #	CSI NO	DESCRIPTION	QTY.	UNIT	UNIT COST LAB.+MAT.	TOTAL COST: LAB. + MAT.
GENERAL REQUIREMENTS								
1				General Requirements	1	LS		
				Subtotal				
SITework								
DEMOLITION								
2	C2.0			Protect trees	22	EA		
3	C2.0			Remove tree	3	EA		
4	C2.0			Remove underground telecom line	840	LF		
5	C2.0			Remove 6" RCP pipe	30	LF		
6	C2.0			Remove 8" RCP pipe	550	LF		
7	C2.0			Remove 12" RCP pipe	1060	LF		
8	C2.0			Remove water service line	2080	LF		
9	C2.0			Remove electric service line	803	LF		
10	C2.0			Remove 12" CI pipe	475	LF		
11	C2.0			Remove 8" CI pipe	200	LF		
12	C2.0			Remove steam line	492	LF		
13	C2.0			Remove sewer line	225	LF		
14	C2.0			Remove unknown underground service line	450	LF		
15	C2.0			Cut and cap utilities	15	EA		
16	C2.0			Remove overhead wire	190	LF		
17	C2.0			Remove concrete support pads	19	EA		
18	C2.0			Remove monitoring well and fill w/ earthwork	6	EA		
19	C2.0			Remove metal post	1	EA		
20	C2.0			Remove vegetation	2	EA		
21	C2.0			Remove electric junction box	1	EA		
22	C2.0			Remove hydrant	1	EA		
23	C2.0			Remove bollards	2	EA		
24	C2.0			Remove telecom manhole	1	EA		
25	C2.0			Remove electric manhole	1	EA		
26	C2.0			Remove electric meter and AC unit	1	EA		
27	C2.0			Remove catch basin	2	EA		
28	C2.0			Remove drainage / sanitary manhole (Approx 10' deep)	4	EA		
29	C2.0			Remove water gate	2	EA		
30	C2.0			Remove sign and foundation	1	EA		
31	C2.0			Remove wood platform decking, stairs and foundation	490	SF		
32	C2.0			Remove wood boardwalk and foundation	870	SF		
33	C2.0			Remove curb	342	LF		
34	C2.0			Remove underground anomalies (assume 10' deep)	370	SF		
35	C2.0			Remove unknown underground concrete structure (3 EA)	560	SF		
36	C2.0			Remove asphalt pavement (assume 12" thk, 33210 SF)	1250	CY		
37	C2.0			Remove gravel pathway (assume 12" thk, 3610 SF)	135	CY		
38	C2.0			Remove concrete sidewalk (assume 12" thk, 840 SF)	32	CY		
39	C2.0			Sawcut street pavement	662	LF		
40	C2.0			Remove street pavement (assume 12" thk, 1080 SF)	40	CY		
41	C2.0			Remove concrete slab and foundation (slab thickness is assume 12" thk, 45570 SF)	1750	CY		
42	C2.0			Remove Concrete perimeter wall at slab Note: VIF height of wall	765	LF		
43	C2.0			Remove retaining walls	45	SF		
44	C2.0			Remove walkway and ramp	665	SF		
45	C2.0			Remove ramp wall	18	LF		
46	C2.0			Remove stair and retaining walls	115	SF		
47	C2.0			Remove one story building in its entirety (1500 SF area)	1	LS		
48	C2.0			Core drill opening in existing drain manhole	1	EA		
EARTHWORK								
49	C2.0			Strip and excavate landscape area (assume 6" thk, 48000 SF) Note: 20% fluff factor is included	1070	CY		
50	C2.0			Excavation to remove underground structure @ 20% fluff	370	CY		

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51	C2.0			Backfill after removal of underground structure @ 20% fluff	480	CY		
52	C2.0			Trench excavation to remove underground utilities @ 20% fluff	520	CY		
53	C2.0			Backfill after removal of underground utilities @ 20% fluff	530	CY		
54	C2.0			Trench excavation to remove underground storm / drainage / sanitary pipes @ 20% fluff	810	CY		
55	C2.0			Backfill after removal of underground pipes @ 20% fluff	835	CY		
56	C4.0			Cut for required grading @ 20% fluff	8600	CY		
57	C4.0			Fill for required grading @20% fluff	5150	CY		
58	C4.0			Cut for required grading for building slab @ 20% fluff Note: Excavation for building foundations below slab excluded	11600	CY		
59	C4.0			Sheeting and shoring for support of excavation for building slabs and retaining walls	4400	SF		
60	C4.0			Excavation for drainage pipes and structures @ 20% fluff	1960	CY		
61	C4.0			Backfill at drainage system @ 20% fluff	1600	CY		
62	C4.0			Sheeting and shoring for support of excavation for trenching	3900	SF		
63	C4.0			Excavation for infiltration basin @ 20% fluff	492	CY		
64	C4.0	C7.1		Additional excavation below infiltration basin (12" thk) @ 20% fluff	142	CY		
65	C4.0	C7.1		Stone fill at infiltration basin	270	CY		
66	C4.0	C7.1		Gravel fill at infiltration basin	40	CY		
67				Soil fill below infiltration basin @ 20% fluff (12" thk)	142	CY		
68	C4.0	C7.1		8" Crushed stone below drainage structures	50	CY		
69	C4.0	C7.1		ADS Geosynthetics 601T Non-woven geotextile all around infiltration basin	7050	SF		
70	C5.0			Excavation for utilities, plumbing and electrical @ 20% fluff	1450	CY		
71	C5.0			Backfill at utilities, plumbing and electrical @ 20% fluff	1230	CY		
72		See geotech report		Dewatering as required	1	LS		
				EROSION AND SEDIMENT CONTROL				
73	C6.0			Silt fence	2235	LF		
74	C6.0			Silt sock row	1455	LF		
75	C6.0			Stabilized construction entrance	3950	SF		
76	C2.0, C6.0			Inlet protection	14	EA		
				TEST PITS				
77	C2.0			Perform test pits for unknown underground structures	4	EA		
				STORM DRAINAGE PIPES				
78	C4.0			12" RCP pipe	682	LF		
79	C4.0			15" RCP pipe	315	LF		
80	C4.0			18" RCP pipe	75	LF		
81	C4.0			24" RCP pipe	45	LF		
82	C4.0			6" HDPE pipe	117	LF		
83	C4.0			12" HDPE pipe	15	LF		
84	C4.0			6" Cast iron pipe	51	LF		
85	C4.0			10" Cast iron pipe	8	LF		
86	C4.0			4" PVC perforated	202	LF		
87	C4.0			Perforated PVC foundation drain	325	LF		
88	S1.01	S2.01		Perforated PVC foundation drain at building footing perimeter	250	LF		
				DRAINAGE STRUCTURE				
89	C4.0	C7.1		(4'dia x 4' deep) Precast concrete drain manhole w/ frame and cover	6	EA		
90	C4.0	C7.1		(4'dia x 6' deep) Precast concrete drain manhole w/ frame and cover	4	EA		
91	C4.0	C7.1		(4'dia x 8' deep) Precast concrete drain manhole w/ frame and cover	3	EA		
92	C4.0	C7.1		(4'dia x 10' deep) Precast concrete drain manhole w/ frame and cover	6	EA		
93	C4.0	C7.1		(4'dia x 12' deep) Precast concrete drain manhole w/ frame and cover	2	EA		
94	C4.0	C7.1		(4'dia x 8' deep) Precast concrete catch basin w/ single grate and frame	3	EA		
95	C4.0	C7.1		(4'dia x 10' deep) Precast concrete catch basin w/ single grate and frame	2	EA		
96	C4.0	C7.1		(4'dia x 12' deep) Precast concrete catch basin w/ single grate and frame	1	EA		

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97	C4.0	C7.1		(4'dia x 14' deep) Precast concrete catch basin w/ single grate and frame	1	EA		
98	C4.0	C7.1		(4'dia x 8' deep) Precast concrete catch basin w/ double grate and frame	2	EA		
99	C4.0	C7.1		(4'dia x 10' deep) Precast concrete catch basin w/ double grate and frame	3	EA		
100	C4.0	C7.1		(4'dia x 12' deep) Precast concrete catch basin w/ double grate and frame	2	EA		
101	C4.0	C7.2		(5'dia x 16' deep) Precast concrete water quality unit structure w/ grate and frame - Fiberglass separation cylinder, inlet and screen - PVC hydraulic shear plate	1	EA		
102	C4.0	C7.2		(5'dia x 7' deep) Precast concrete OCS w/ grate, frame and weir	1	EA		
103	C4.0			3' deep area drain	2	EA		
104	C4.0	C7.1		Underground infiltration basin: - (132) ADS SC-310 chambers (16" tall chamber)	1	LS		
				TRENCH DRAIN				
105	C4.0	C7.1		34"W x 29"H Reinf concrete trench drain w/ grate	122	LF		
				SANITARY SYSTEM				
106	C5.0			6" SDR 35	114	LF		
107	C5.0			8" SDR 35	35	LF		
108	C5.0			6" Cast iron pipe	79	LF		
109	C5.0			3" HDPE force main	535	LF		
110	C5.0	C7.2		(4'dia x avg 7'deep) Precast concrete sewer manhole w/ frame and cover	3	EA		
111	C5.0			Oil / water separator (6' deep) Note: Detail is not given	2	EA		
112	C5.0	C8.0		(6'dia x 12' deep) Precast concrete Submersible pump station w/ - cast iron access hatch - Lift-out system - Bituminous waterproofing around structure	1	EA		
113	C5.0	C8.0		(6'dia x 6'6") deep Precast concrete valve vault w/ - manhole frame and cover - SS pipe supports - steps	1	EA		
114	C5.0			Core into existing manhole for pipe connection	1	EA		
				WATER UTILITIES				
115	C5.0			8" CL52 water line	1450	LF		
116	C5.0			6" CL52 water line	87	LF		
117	C5.0			4" Domestic water line	47	LF		
118	C5.0			8" Fire service	47	LF		
119	C5.0			8" Gate valve	3	EA		
120	C5.0			6" Gate valve	4	EA		
121	C5.0			4" Gate valve	1	EA		
122	C5.0			Fire hydrant	4	EA		
				OTHER UTILITIES				
123	C5.0			4" Sch 40 PVC spare conduits	1290	LF		
124	C5.0			4" Vent w/ bird screen	3	LF		
125	C5.0			Cast iron vents	72	LF		
				CONCRETE				
126	ES1.00	ES1.01		(2'dia x 5'6"deep) Reinf concrete footing for light poles (19 EA)	12.2	CY		
127				2'x1'4" Concrete ductbank = 646 LF				
	ES1.00	ES1.01		2'6"x2' Concrete ductbank = 44 LF				
				2'x2' Concrete ductbank = 90 LF				
				3'6"x1'8" Concrete ductbank = 22 LF				
				CURBING				
128	C3.2	C7.2		Vertical granite curb	2482	LF		
129	C3.2	C7.2		Flush granite curb	32	LF		
				Subtotal				
				SEPARATE TAKEOFF				
				PAVING				

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130	C3.2	C7.2		Heavy duty pavement: - 1-1/2" Bituminous conc top course - 2-1/2" Bituminous conc binder course - 18" Dense graded crushed stone - Compact subgrade	18270	SF		
131	C3.2	C7.2		Standard bituminous pavement: - 1-1/2" Bituminous conc top course - 2-1/2" Bituminous conc binder course - 12" Dense graded crushed stone - Compact subgrade	26140	SF		
132	C3.2	L704		Concrete sidewalk incl ramp: - 4" Concrete slab - 8" Gravel base - Compact subgrade	4770	SF		
133	C3.2			Concrete apron Note: Detail is not given	1550	SF		
134	C3.2	L704		Precast pavers: - 2.38" Precast concrete pavers - 1" Bed depth masonry sand - 6" Compacted gravel - Compact subgrade	2190	SF		
135	C3.2			Restore street pavement	1080	SF		
136	C3.2			Restore street sidewalk	835	SF		
				STRIPPING				
137	C3.2			Parking stripping	1310	LF		
138	C3.2			Crosswalk stripping	260	LF		
139	C3.2			Stop bar	93	LF		
140	C3.2			Directional arrow stripping	18	EA		
141	C3.2			Double line divider stripping	52	LF		
142	C3.2			ADA symbol stripping	4	EA		
				SIGNAGE				
143	C3.2	C7.3		Stop sign w/ post and footing	5	EA		
144	C3.2	C7.3		ADA parking sign w/ post and footing	4	EA		
145	C3.2			Loading / visitor space 15 min parking sign w/ post and footing	1	EA		
146	L701			Police sign	1	EA		
147	L701	L704		Entry sign on retaining wall "HINGHAM PUBLIC SAFETY FACILITY"	1	EA		
				Subtotal				
				TOTAL				
				OVERHEAD (5%)				
				PROFIT (12%)				
				GRAND TOTAL				