

33 34 Onsite Wastewater Disposal

33 34 51 – Drainage Field Systems

33 34 51.13 Utility Septic Tank Tile Drainage Field		Daily Crew	Output	Labor- Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
0010	UTILITY SEPTIC TANK TILE DRAINAGE FIELD									
0015	Distribution box, concrete, 5 outlets	2 Clab	20	.800	Ea.	75.50	36.50		112	138
0020	7 outlets		16	1		94	45.50		139.50	171
0025	9 outlets		8	2		535	91		626	720
0115	Distribution boxes, HDPE, 5 outlets		20	.800		75.50	36.50		112	138
0117	6 outlets		15	1.067		75.50	48.50		124	156
0118	7 outlets		15	1.067		75	48.50		123.50	155
0120	8 outlets		10	1.600		79.50	73		152.50	197
0240	Distribution boxes, outlet flow leveler	1 Clab	50	.160		3.01	7.30		10.31	14.15
0300	Precast concrete, galley, 4' x 4' x 4'	B-21	16	1.750		248	92	10.85	350.85	420
0350	HDPE infiltration chamber 12" H x 15" W	2 Clab	300	.053	L.F.	7.10	2.43		9.53	11.40
0351	12" H x 15" W end cap	1 Clab	32	.250	Ea.	19.15	11.40		30.55	38
0355	chamber 12" H x 22" W	2 Clab	300	.053	L.F.	6.75	2.43		9.18	11
0356	12" H x 22" W end cap	1 Clab	32	.250	Ea.	23.50	11.40		34.90	43
0360	chamber 13" H x 34" W	2 Clab	300	.053	L.F.	14.55	2.43		16.98	19.60
0361	13" H x 34" W end cap	1 Clab	32	.250	Ea.	51.50	11.40		62.90	73.50
0365	chamber 16" H x 34" W	2 Clab	300	.053	L.F.	14.95	2.43		17.38	20
0366	16" H x 34" W end cap	1 Clab	32	.250	Ea.	17	11.40		28.40	35.50
0370	chamber 8" H x 16" W	2 Clab	300	.053	L.F.	11.40	2.43		13.83	16.15
0371	8" H x 16" W end cap	1 Clab	32	.250	Ea.	11.20	11.40		22.60	29.50

33 41 Subdrainage

33 41 16 – Subdrainage Piping

33 41 16.10 Piping, Subdrainage, Vitrified Clay

0010	PIPING, SUBDRAINAGE, VITRIFIED CLAY									
0020	Not including excavation and backfill									
1000	Foundation drain, 6" diameter	B-14	315	.152	L.F.	6.10	7.30	1.04	14.44	18.75
1010	8" diameter		290	.166		9.10	7.90	1.13	18.13	23
1020	12" diameter		275	.175		19.60	8.35	1.20	29.15	35.50
3000	Perforated, 5' lengths, C700, 4" diameter		400	.120		3.45	5.75	.82	10.02	13.25
3020	6" diameter		315	.152		6.60	7.30	1.04	14.94	19.25
3040	8" diameter		290	.166		7.25	7.90	1.13	16.28	21
3060	12" diameter		275	.175		19.95	8.35	1.20	29.50	36

33 41 16.25 Piping, Subdrainage, Corrugated Metal

0010	PIPING, SUBDRAINAGE, CORRUGATED METAL									
0021	Not including excavation and backfill									
2010	Aluminum, perforated									
2020	6" diameter, 18 ga.	B-20	380	.063	L.F.	7.35	3.20		10.55	12.90
2200	8" diameter, 16 ga.	"	370	.065		12.05	3.29		15.34	18.20
2220	10" diameter, 16 ga.	B-21	360	.078		15.10	4.08	.48	19.66	23
2240	12" diameter, 16 ga.		285	.098		16.90	5.15	.61	22.66	27
2260	18" diameter, 16 ga.		205	.137		25.50	7.15	.85	33.50	39.50
3000	Uncoated galvanized, perforated									
3020	6" diameter, 18 ga.	B-20	380	.063	L.F.	7.80	3.20		11	13.40
3200	8" diameter, 16 ga.	"	370	.065		9.40	3.29		12.69	15.20
3220	10" diameter, 16 ga.	B-21	360	.078		9.95	4.08	.48	14.51	17.60
3240	12" diameter, 16 ga.		285	.098		11.05	5.15	.61	16.81	20.50
3260	18" diameter, 16 ga.		205	.137		16.95	7.15	.85	24.95	30.50
4000	Steel, perforated, asphalt coated									
4020	6" diameter, 18 ga.	B-20	380	.063	L.F.	6.95	3.20		10.15	12.45