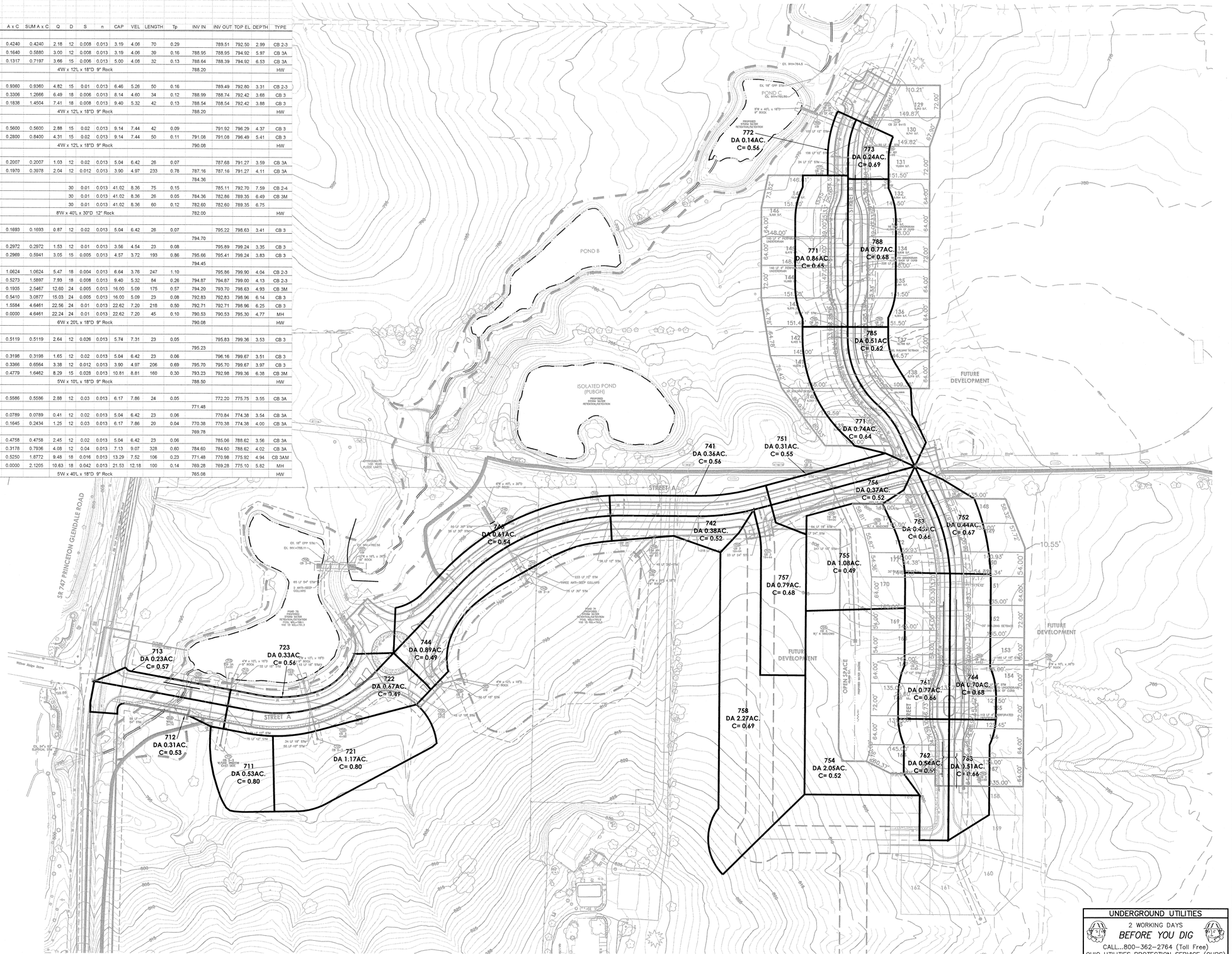
Carriage Hill Section 7

MSP No. 04476.01
DATE 6/21/2013

DESIGN FREQ = 10 YEAR
A = 170
B = 23

STRUCTURE	STA	Tc	INTEN	AREA	SUMAREA	C	A x C	SUM A x C	Q	D	S	n	CAP	VEL	LENGTH	Tp	INV IN	INV OUT	TOP EL	DEPTH	TYPE
711	3+00	10.00	5.15	0.53	0.53	0.80	0.4240	0.4240	2.18	12	0.008	0.013	3.19	4.06	70	0.29		789.51	792.50	2.99	CB 2-3
712	3+00	10.29	5.11	0.31	0.84	0.53	0.1640	0.5880	3.00	12	0.008	0.013	3.19	4.06	39	0.16	788.95	788.95	794.92	5.97	CB 3A
713	3+00	10.45	5.08	0.23	1.07	0.57	0.1317	0.7197	3.66	15	0.006	0.013	5.00	4.08	32	0.13	788.64	788.39	794.92	6.53	CB 3A
714	3+00	10.58							4'W x 12'L x 18"D 9" Rock								788.20				HW
721	4+85	10.00	5.15	1.17	1.17	0.80	0.9360	0.9360	4.82	15	0.01	0.013	6.46	5.26	50	0.16		789.49	792.80	3.31	CB 2-3
722	4+85	10.16	5.13	0.67	1.84	0.49	0.3306	1.2666	6.49	18	0.006	0.013	8.14	4.60	34	0.12	788.99	788.74	792.42	3.68	CB 3
723	4+85	10.28	5.11	0.33	2.17	0.56	0.1838	1.4504	7.41	18	0.008	0.013	9.40	5.32	42	0.13	788.54	788.54	792.42	3.88	CB 3
724	4+85	10.41							4'W x 12'L x 18"D 9" Rock								788.20				HW
731	1+15	10.00	5.15	0.80	0.80	0.70	0.5600	0.5600	2.88	15	0.02	0.013	9.14	7.44	42	0.09		791.92	796.29	4.37	CB 3
732	1+15	10.09	5.14	0.40	1.20	0.70	0.2800	0.8400	4.31	15	0.02	0.013	9.14	7.44	50	0.11	791.08	791.08	796.49	5.41	CB 3
733		10.21							4'W x 12'L x 18"D 9" Rock								790.08				HW
741	13+00	10.00	5.15	0.36	0.36	0.56	0.2007	0.2007	1.03	12	0.02	0.013	5.04	6.42	26	0.07		787.68	791.27	3.59	CB 3A
742	13+00	10.07	5.14	0.38	0.74	0.52	0.1970	0.3978	2.04	12	0.012	0.013	3.90	4.97	233	0.78	787.16	787.16	791.27	4.11	CB 3A
744																	784.36				
743	10+58									30	0.01	0.013	41.02	8.36	75	0.15		785.11	792.70	7.59	CB 2-4
744	10+58				See Pond 71 Pond Calcs					30	0.01	0.013	41.02	8.36	26	0.05	784.36	782.86	789.35	6.49	CB 3M
745	10+58									30	0.01	0.013	41.02	8.36	60	0.12	782.60	782.60	789.35	6.75	
746	10+58								8'W x 40'L x 30"D 12" Rock								782.00				HW
751	18+00	10.00	5.15	0.31	0.31	0.55	0.1693	0.1693	0.87	12	0.02	0.013	5.04	6.42	26	0.07		795.22	798.63	3.41	CB 3
756																	794.70				
752	0+63	10.00	5.15	0.45	0.45	0.66	0.2972	0.2972	1.53	12	0.01	0.013	3.56	4.54	23	0.08		795.89	799.24	3.35	CB 3
753	0+63	10.08	5.14	0.44	0.89	0.67	0.2969	0.5941	3.05	15	0.005	0.013	4.57	3.72	193	0.86	795.66	795.41	799.24	3.83	CB 3
756																	794.45				
754		10.00	5.15	2.05	2.05	0.52	1.0624	1.0624	5.47	18	0.004	0.013	6.64	3.76	247	1.10		795.86	799.90	4.04	CB 2-3
755		11.10	4.99	1.08	3.13	0.49	0.5273	1.5897	7.93	18	0.008	0.013	9.40	5.32	84	0.26	794.87	794.87	799.00	4.13	CB 2-3
756	18+00	11.36	4.95	0.37	4.70	0.52	0.1935	2.5467	12.60	24	0.005	0.013	16.00	5.09	175	0.57	794.20	793.70	798.63	4.93	CB 3M
757	19+44	11.93	4.87	0.79	5.49	0.68	0.5410	3.0877	15.03	24	0.005	0.013	16.00	5.09	23	0.08	792.83	792.83	798.96	6.14	CB 3
758	19+44	12.01	4.86	2.27	7.76	0.69	1.5584	4.6461	22.56	24	0.01	0.013	22.62	7.20	218	0.50	792.71	792.71	798.96	6.25	CB 3
759	14+00	12.51	4.79	0.00	7.76	0.00	0.0000	4.6461	22.24	24	0.01	0.013	22.62	7.20	45	0.10	790.53	790.53	795.30	4.77	MH
760		12.62							6'W x 20'L x 18"D 9" Rock								790.08				HW
761	4+53	10.00	5.15	0.77	0.77	0.66	0.5119	0.5119	2.64	12	0.026	0.013	5.74	7.31	23	0.05		795.83	799.36	3.53	CB 3
764																	795.23				
762	6+59	10.00	5.15	0.54	0.54	0.59	0.3198	0.3198	1.65	12	0.02	0.013	5.04	6.42	23	0.06		796.16	799.67	3.51	CB 3
763	6+59	10.06	5.14	0.51	1.05	0.66	0.3366	0.6564	3.38	12	0.012	0.013	3.90	4.97	206	0.69	795.70	795.70	799.67	3.97	CB 3
764	4+53	10.75	5.04	0.70	2.52	0.68	0.4779	1.6462	8.29	15	0.028	0.013	10.81	8.81	160	0.30	793.23	792.98	799.36	6.38	CB 3M
765		11.05							5'W x 10'L x 18"D 9" Rock								788.50				HW
771	6+89	10.00	5.15	0.86	0.86	0.65	0.5586	0.5586	2.88	12	0.03	0.013	6.17	7.86	24	0.05		772.20	775.75	3.55	CB 3A
783																	771.48				
772	8+15	10.00	5.15	0.14	0.14	0.56	0.0789	0.0789	0.41	12	0.02	0.013	5.04	6.42	23	0.06		770.84	774.38	3.54	CB 3A
773	8+15	10.06	5.14	0.24	0.38	0.69	0.1645	0.2434	1.25	12	0.03	0.013	6.17	7.86	20	0.04	770.38	770.38	774.38	4.00	CB 3A
784																	769.78				
781	3+54	10.00	5.15	0.74	0.74	0.64	0.4758	0.4758	2.45	12	0.02	0.013	5.04	6.42	23	0.06		785.06	788.62	3.56	CB 3A
782	3+54	10.06	5.14	0.51	1.25	0.62	0.3178	0.7936	4.08	12	0.04	0.013	7.13	9.07	328	0.60	784.60	784.60	788.62	4.02	CB 3A
783	6+81	10.66	5.05	0.77	2.88	0.68	0.5250	1.8772	9.48	18	0.016	0.013	13.29	7.52	106	0.23	771.48	770.98	775.92	4.94	CB 3AM
784	7+95	10.90	5.02	0.00	3.26	0.00	0.0000	2.1205	10.63	18	0.042	0.013	21.53	12.18	100	0.14	769.28	769.28	775.10	5.82	MH
785		11.03							5'W x 40'L x 18"D 9" Rock								765.08				HW



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Drawing File 04476014-IMP-00-SECTION 7
X-Reference Files princeton-Adjusted-to-Ground-10-24-11
Date 06/21/13

No.	Revision/Issue	By	Date

CARRIAGE HILL
SECTION 7

SECTION 32, TOWN 3, RANGE 3
LIBERTY TOWNSHIP
BUTLER COUNTY, OHIO

Sheet Title
DRAINAGE MAP

Project No. 04476.01
Scale 1"=100'
Sheet No. 1/1
File No. 04-476