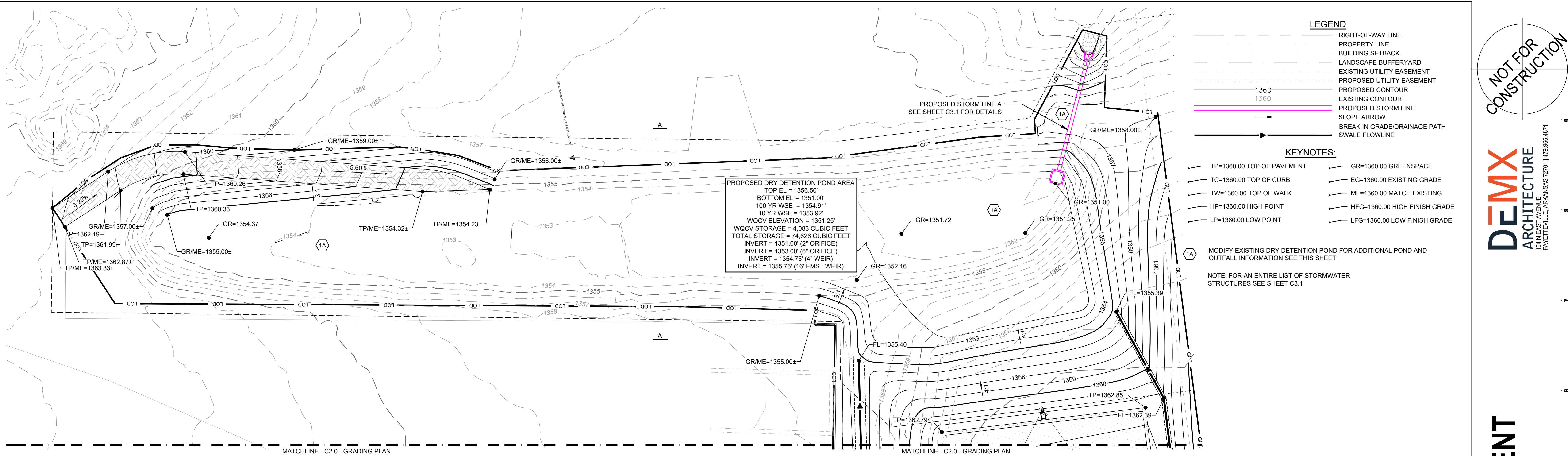
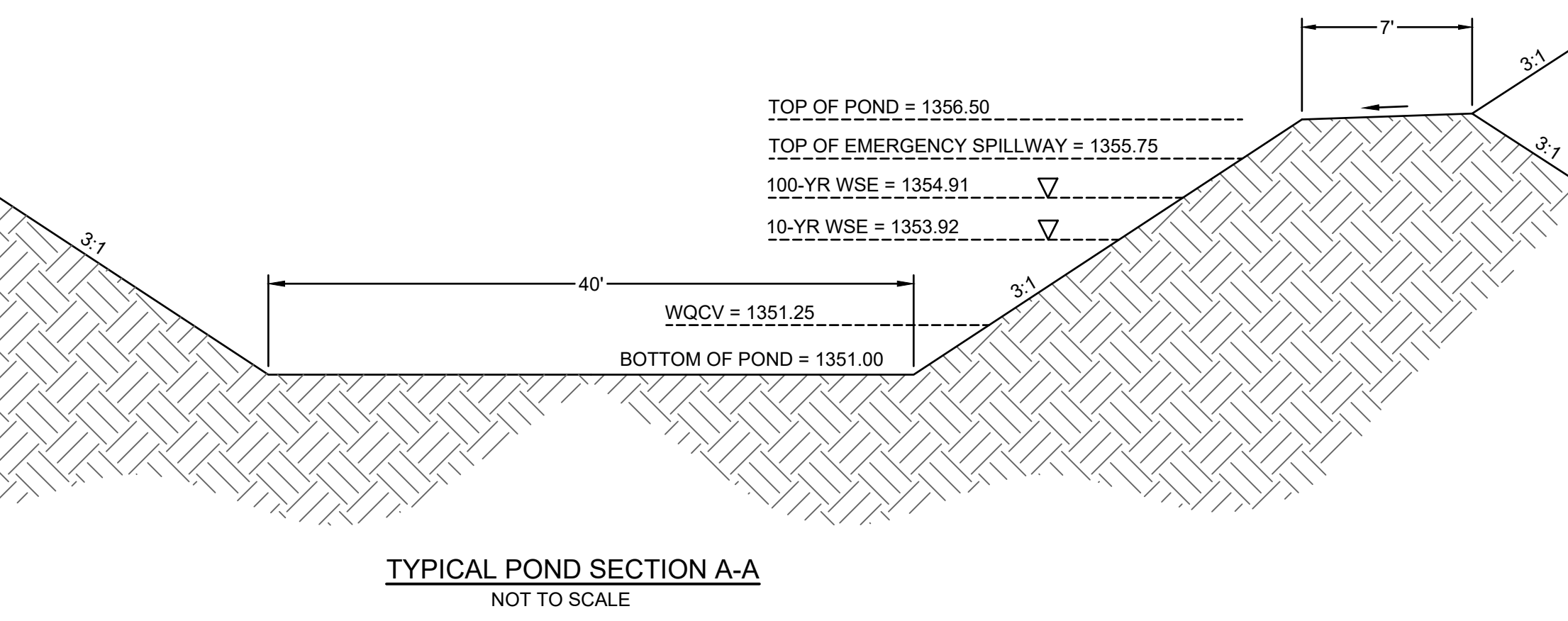
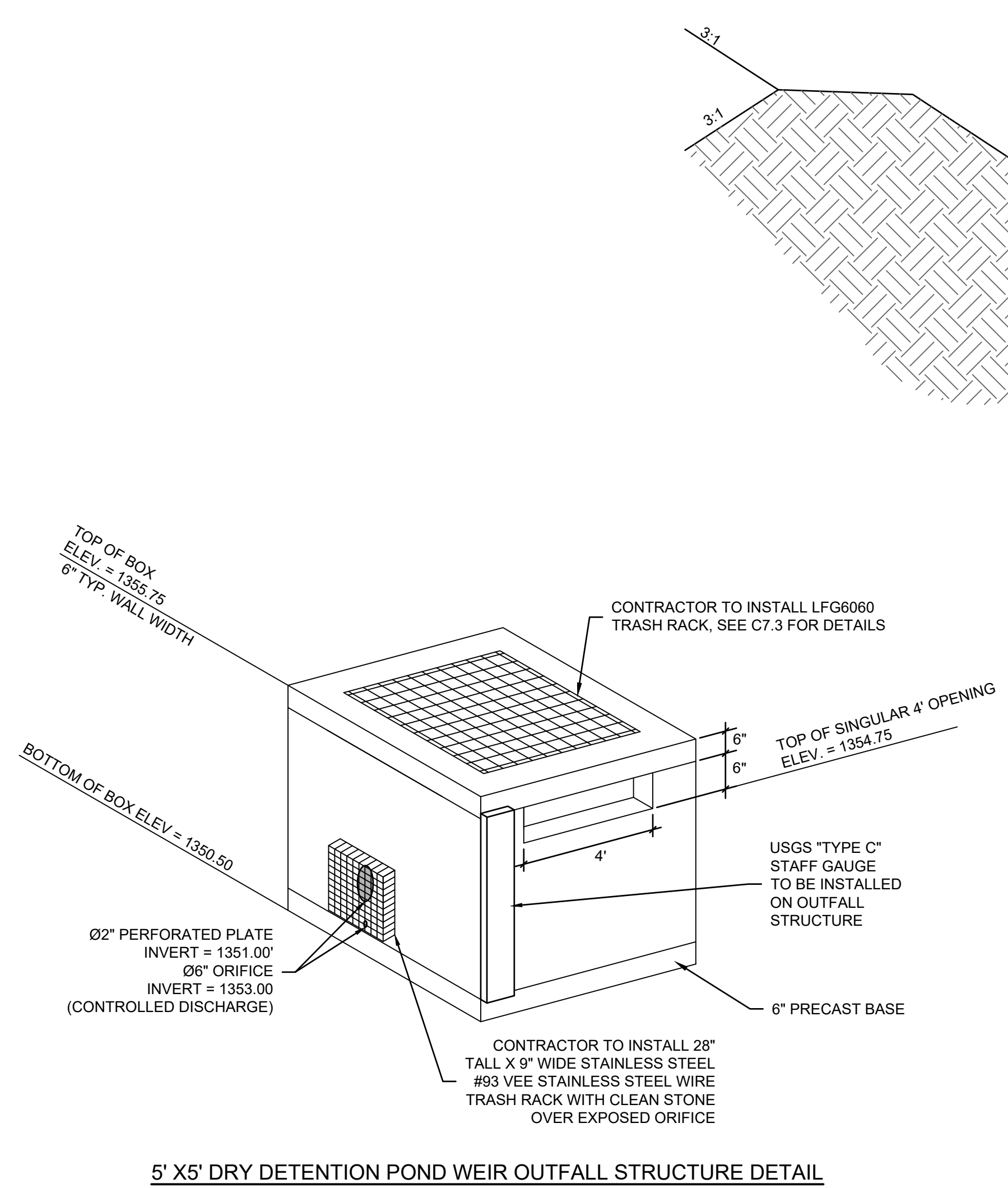




STAGE STORAGE CHART

Stage / Storage / Discharge Table

Stage ft	Storage cuft	Elevation ft	Civ A cfs	Civ B cfs	Civ C cfs	PrfRsr cfs	Wr A cfs	Wr B cfs	Wr C cfs	Wr D cfs	Exfil cfs	User cfs	Total cfs
0.00	0	1351.00	0.00	0.00	0.00	---	0.00	0.00	---	---	---	---	0.000
0.10	335	1351.10	0.00	0.00	0.00	---	0.00	0.00	---	---	---	---	0.000
0.20	670	1351.20	0.00	0.00	0.00	---	0.00	0.00	---	---	---	---	0.000
0.30	1,005	1351.30	0.00	0.00	0.00	---	0.00	0.00	---	---	---	---	0.000
0.40	1,340	1351.40	0.00	0.00	0.00	---	0.00	0.00	---	---	---	---	0.000
0.50	1,676	1351.50	0.00	0.00	0.00	---	0.00	0.00	---	---	---	---	0.000
0.60	2,011	1351.60	0.00	0.00	0.00	---	0.00	0.00	---	---	---	---	0.000
0.70	2,346	1351.70	0.00	0.00	0.00	---	0.00	0.00	---	---	---	---	0.000
0.80	2,681	1351.80	0.00	0.00	0.00	---	0.00	0.00	---	---	---	---	0.000
0.90	3,016	1351.90	0.00	0.00	0.00	---	0.00	0.00	---	---	---	---	0.000
1.00	3,351	1352.00	0.00	0.00	0.00	---	0.00	0.00	---	---	---	---	0.000
1.10	4,276	1352.10	0.00	0.00	0.00	---	0.00	0.00	---	---	---	---	0.000
1.20	5,201	1352.20	0.00	0.00	0.00	---	0.00	0.00	---	---	---	---	0.000
1.30	6,126	1352.30	0.08 oc	0.03 ic	0.00	---	0.00	0.00	---	---	---	---	0.033
1.40	7,051	1352.40	0.08 oc	0.05 ic	0.00	---	0.00	0.00	---	---	---	---	0.047
1.50	7,976	1352.50	0.08 oc	0.06 ic	0.00	---	0.00	0.00	---	---	---	---	0.058
1.60	8,901	1352.60	0.08 oc	0.07 ic	0.00	---	0.00	0.00	---	---	---	---	0.066
1.70	9,826	1352.70	0.08 oc	0.07 ic	0.00	---	0.00	0.00	---	---	---	---	0.074
1.80	10,751	1352.80	0.08 oc	0.08 ic	0.00	---	0.00	0.00	---	---	---	---	0.081
1.90	11,676	1352.90	0.12 oc	0.09 ic	0.00	---	0.00	0.00	---	---	---	---	0.088
2.00	12,602	1353.00	0.12 oc	0.09 ic	0.00	---	0.00	0.00	---	---	---	---	0.094
2.10	14,140	1353.10	0.14 oc	0.10 ic	0.03 ic	---	0.00	0.00	---	---	---	---	0.131
2.20	15,678	1353.20	0.23 oc	0.10 ic	0.11 ic	---	0.00	0.00	---	---	---	---	0.219
2.30	17,216	1353.30	0.35 oc	0.11 ic	0.23 ic	---	0.00	0.00	---	---	---	---	0.340
2.40	18,754	1353.40	0.48 oc	0.11 ic	0.36 ic	---	0.00	0.00	---	---	---	---	0.478
2.50	20,292	1353.50	0.59 oc	0.12 ic	0.47 ic	---	0.00	0.00	---	---	---	---	0.592
2.60	21,830	1353.60	0.68 oc	0.12 ic	0.56 ic	---	0.00	0.00	---	---	---	---	0.683
2.70	23,368	1353.70	0.77 oc	0.13 ic	0.63 ic	---	0.00	0.00	---	---	---	---	0.762
2.80	24,906	1353.80	0.84 oc	0.13 ic	0.70 ic	---	0.00	0.00	---	---	---	---	0.834
2.90	26,444	1353.90	0.90 oc	0.14 ic	0.76 ic	---	0.00	0.00	---	---	---	---	0.899
3.00	27,982	1354.00	0.96 oc	0.14 ic	0.82 ic	---	0.00	0.00	---	---	---	---	0.959
3.10	30,095	1354.10	1.02 oc	0.14 ic	0.87 ic	---	0.00	0.00	---	---	---	---	1.016
3.20	32,208	1354.20	1.07 oc	0.15 ic	0.92 ic	---	0.00	0.00	---	---	---	---	1.069
3.30	34,321	1354.30	1.12 oc	0.15 ic	0.97 ic	---	0.00	0.00	---	---	---	---	1.120
3.40	36,434	1354.40	1.17 oc	0.16 ic	1.01 ic	---	0.00	0.00	---	---	---	---	1.169
3.50	38,547	1354.50	1.22 oc	0.16 ic	1.06 ic	---	0.00	0.00	---	---	---	---	1.215
3.60	40,660	1354.60	1.26 oc	0.16 ic	1.10 ic	---	0.00	0.00	---	---	---	---	1.260
3.70	42,773	1354.70	1.30 oc	0.17 ic	1.14 ic	---	0.00	0.00	---	---	---	---	1.304
3.80	44,886	1354.80	1.50 oc	0.17 ic	1.18 ic	---	0.00	0.15	---	---	---	---	1.494
3.90	46,999	1354.90	2.16 oc	0.17 ic	1.21 ic	---	0.00	0.77	---	---	---	---	2.159
4.00	49,112	1355.00	3.09 oc	0.17 ic	1.25 ic	---	0.00	1.66	---	---	---	---	3.087
4.10	51,683	1355.10	4.21 oc	0.17 ic	1.29 ic	---	0.00	2.76	---	---	---	---	4.214
4.20	54,215	1355.20	5.51 oc	0.17 ic	1.32 ic	---	0.00	4.02	---	---	---	---	5.508
4.30	56,766	1355.30	6.95 oc	0.16 ic	1.35 ic	---	0.00	5.43	---	---	---	---	6.950
4.40	59,317	1355.40	8.52 oc	0.15 ic	1.38 ic	---	0.00	6.98	---	---	---	---	8.516
4.50	61,869	1355.50	10.07 oc	0.14 ic	1.27 ic	---	0.00	8.65	---	---	---	---	10.07
4.60	64,420	1355.60	11.68 oc	0.12 ic	1.12 ic	---	0.00	10.44	---	---	---	---	11.68
4.70	66,971	1355.70	13.30 oc	0.10 ic	0.90 ic	---	0.00	12.29 s	---	---	---	---	13.29
4.80	69,523	1355.80	14.24 oc	0.08 ic	0.75 ic	---	0.60	12.81 s	---	---	---	---	14.24
4.90	72,074	1355.90	15.18 oc	0.06 ic	0.54 ic	---	3.10	11.48 s	---	---	---	---	15.17
5.00	74,626	1356.00	15.79 oc	0.04 ic	0.36 ic	---	5.93 s	9.46 s	---	---	---	---	15.79
5.10	77,363	1356.10	16.13 oc	0.03 ic	0.28 ic	---	7.36 s	8.46 s	---	---	---	---	16.13
5.20	80,100	1356.20	16.41 oc	0.03 ic	0.23 ic	---	8.37 s	7.78 s	---	---	---	---	16.40
5.30	82,838	1356.30	16.65 oc	0.02 ic	0.19 ic	---	9.14 s	7.29 s	---	---	---	---	16.64
5.40	85,575	1356.40	16.87 oc	0.02 ic	0.16 ic	---	9.77 s	6.92 s	---	---	---	---	16.86
5.50	88,312	1356.50	17.09 oc	0.02 ic	0.14 ic	---	10.29 s	6.63 s	---	---	---	---	17.07
5.60	91,050	1356.60	17.30 oc	0.01 ic	0.12 ic	---	10.74 s	6.40 s	---	---	---	---	17.28
5.70	93,787	1356.70	17.50 oc	0.01 ic	0.11 ic	---	11.14 s	6.21 s	---	---	---	---	17.48
5.80	96,525	1356.80	17.70 oc	0.01 ic	0.10 ic	---	11.49 s	6.06 s	---	---	---	---	17.66
5.90	99,262	1356.90	17.89 oc	0.01 ic	0.09 ic	---	11.83 s	5.94 s	---	---	---	---	17.88
6.00	102,000	1357.00	18.09 oc	0.01 ic	0.08 ic	---	12.13 s	5.84 s	---	---	---	---	18.06



DETENTION POND INFORMATION

Design Storm	Peak Flow In (cfs)	Peak Flow Out (cfs)	Detained Volume (cubic feet)	Water Surface Elevation (ft)
1-Year	17.770	0.399	12,688	1,353.34
2-Year	19.700	0.551	14,629	1,353.46
5-Year	23,830	0.779	18,775	1,353.72
10-Year	27,000	0.913	21,962	1,353.92
25-Year	34,640	1.120	29,642	1,354.30
50-Year	41,900	1.278	36,927	1,354.64
100-Year	47,720	2.207	42,779	1,354.91

OUTFALL STRUCTURE NOTES:

- BOTTOM TO BE POURED IN PLACE.
- PIPE TO BE ON GRADE BEFORE BOTTOM IS CONSTRUCTED.
- RAM-NEK ALL JOINTS (OR EQUAL).
- REINFORCING BARS SHALL BE CUT OR BENT AT PIPE OPENINGS
- ALL PIPES SHALL FIT FLUSH WITH INSIDE FACE OF BOX.
- ALL CONCRETE SHALL HAVE 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
- ALL REINFORCING BARS TO BE DEFORMED AND MEET REQUIREMENTS OF 1996 ASTM STANDARDS NO. A-615-68 MIN. GRADE 40
- MUST MAINTAIN 6" CLEARANCE BETWEEN THE PIPE AND WALLS FOR PRECAST BOX.
- BOX SHALL BE CONSTRUCTED ACCORDING TO THE CITY OF ROGERS STANDARDS, INCLUDING REBAR SIZE AND PLACEMENT. WALL THICKNESS AND DIMENSIONS MAY VARY IF A PRECAST BOX USED.
- ORIFICES SHALL BE PERFORATED STEEL PLATES BOLTED IN W/ TRASH RACKS.

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