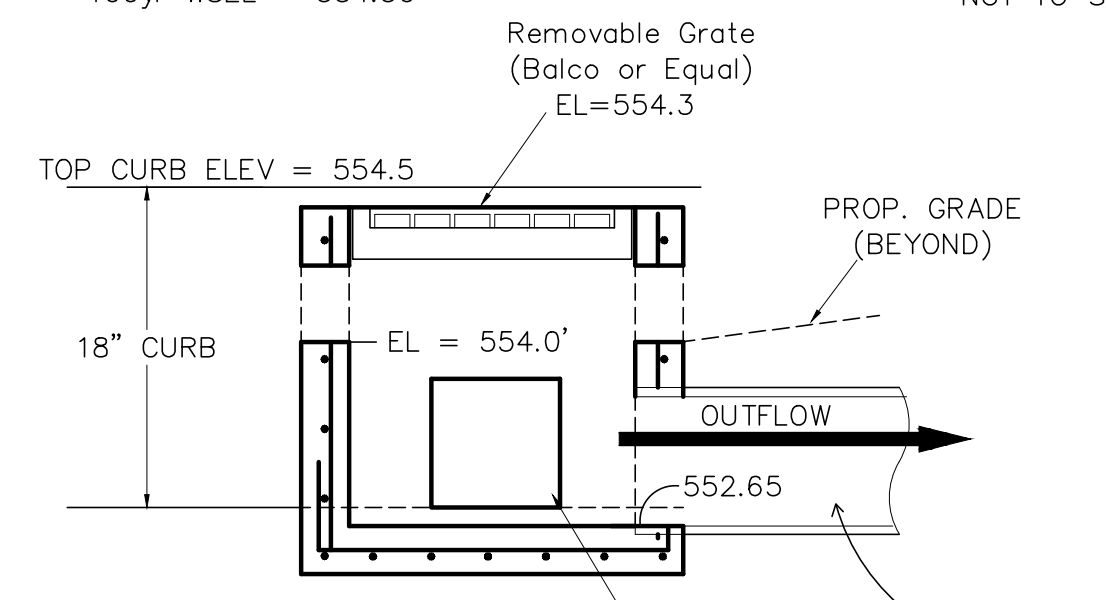
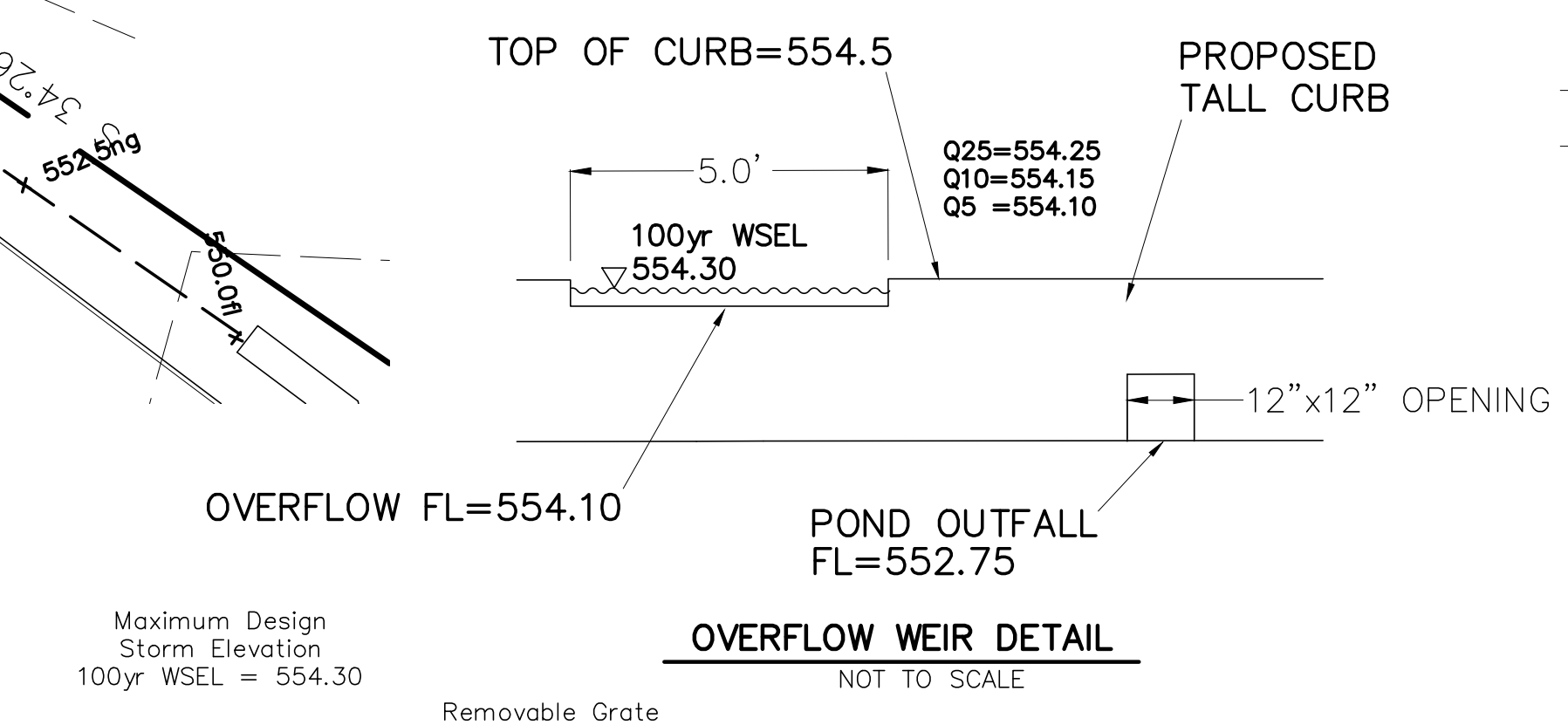
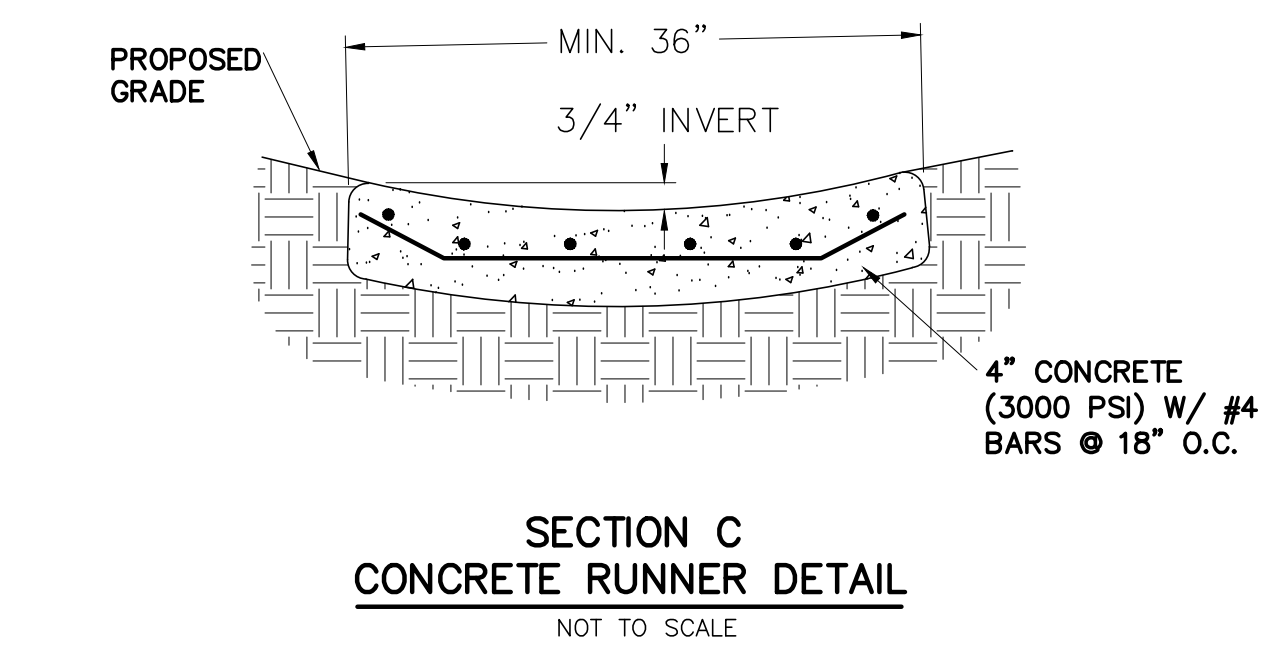


LEGEND

- = PROPERTY LINE
 - 460- = EXISTING CONTOURS
 - 460- = PROPOSED CONTOURS
 - x 463.00 TC or x 462.50 = PROPOSED SPOT GRADES
tc = TOP OF CURB
ep = EDGE OF PAVEMENT
tw = TOP OF WALL
bw = BOTTOM OF WALL
(ALL SPOT GRADES ARE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED)
 - EX. SS --- = EXISTING SANITARY SEWER LINE
 - EX. W --- = EXISTING WATER LINE
 - ⊙ FHH = EXISTING FIRE HYDRANT
 - ∞ WM = EXISTING WATER METER
 - ⊙ PP = EXISTING POWER POLE
 - ⊙ LP = EXISTING LIGHT POLE
 - T = EX. WATER VALVE
 - ⊙ = EXISTING SEWER MANHOLE
 - ⊙ = EXISTING GAS METER
 - ⊙ = PROPOSED FIRE HYDRANT
- revised date: note
- 3/10/21 Added wye inlet & 12\"/>



AS-BUILT
May 12, 2021
Gerald Monk
GERALD E. MONK, P.E.



TO THE BEST OF OUR KNOWLEDGE MONK CONSULTING ENGINEERS, INC. HEREBY STATES THAT THIS PLAN IS AS-BUILT. THE INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

CASE # SP2019-047

**POND LAYOUT PLAN
POND A**

BACON PLUMBING OFFICE

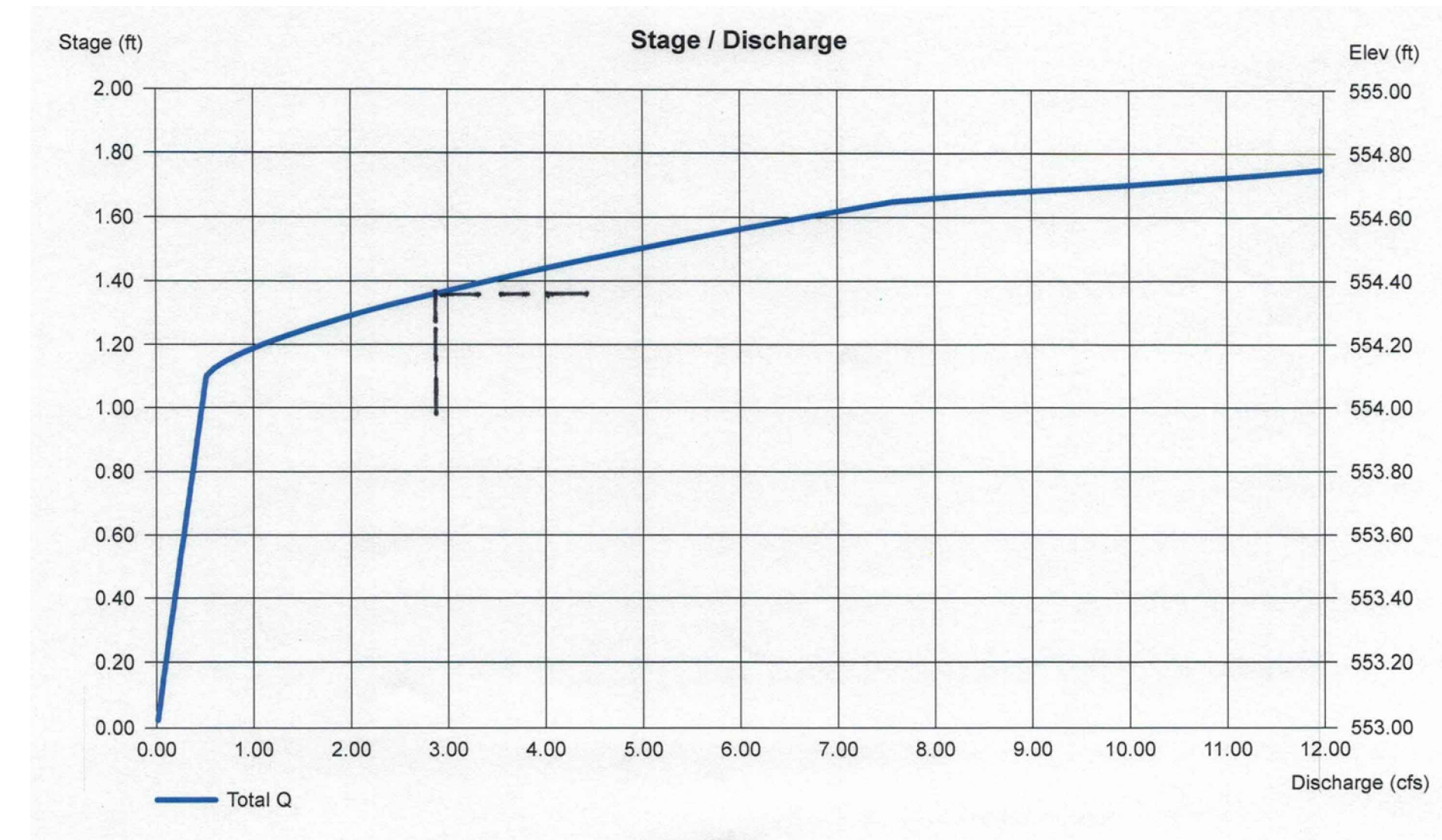
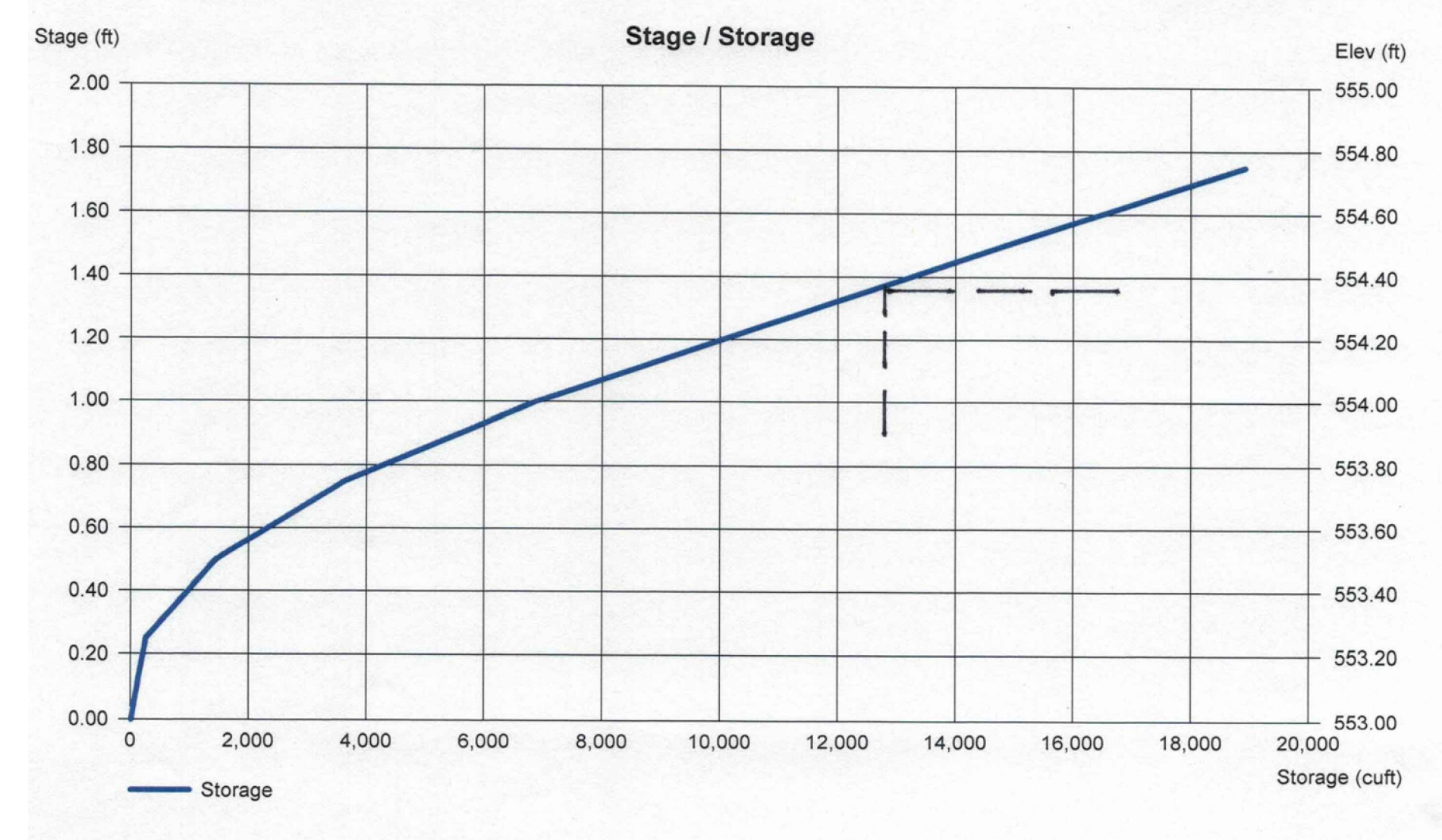
2055 KRISTY LANE
LOT 1-M, BODIN INDUSTRIAL TRACT, 3.54 ACRES
City of Rockwall, Rockwall County, Texas

owner
BACON PROPERTY, LLC
295 RANCH TRAIL
ROCKWALL, TEXAS 75032
CONTACT: BRAD BACON (972)236-5794

prepared by
MONK CONSULTING ENGINEERS, INC.
1200 W. State Street, Garland Texas 75040
972 272-1763 Fax 972 272-8761

REG NO.: F-2567
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date: 8/31/20 scale: 1\"/>



Pond Report

Hydraflow Hydrographs by Intellisolve v9.01 Monday, Apr 12, 2021
Pond No. 1 - Pond A
Pond Data
Contours - User-defined contour areas. Average end area method used for volume calculation. Beginning Elevation = 552.75 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	552.75	00	0	0
0.25	553.25	2,000	250	250
0.50	553.50	7,500	1,188	1,438
0.75	553.75	10,000	2,188	3,625
1.00	554.00	15,861	3,233	6,858
1.25	554.25	19,900	3,970	10,828
1.50	554.50	18,000	3,988	14,815
1.75	554.75	16,800	4,100	18,915

Culvert / Orifice Structures

	[A]	[B]	[C]	[PrRsr]		[A]	[B]	[C]	[D]
Rise (in)	= 12.00	12.00	0.00	Inactive	Crest Len (ft)	= 12.00	3.50	0.00	0.00
Span (in)	= 12.00	12.00	0.00	0.00	Crest El. (ft)	= 554.50	554.00	0.00	0.00
No. Barrels	= 1	1	0	1	Weir Coeff.	= 3.33	3.33	3.33	3.33
Invert El. (ft)	= 552.65	552.75	0.00	0.00	Weir Type	= Riser	Rect	--	--
Length (ft)	= 222.00	0.50	0.00	0.00	Multi-Stage	= Yes	Yes	No	No
Slope (%)	= 1.00	1.00	0.00	n/a					
N-Value	= .013	.013	.013	n/a	Exfil. (in/hr)	= 0.000 (by Contour)			
Orifice Coeff.	= 0.60	0.60	0.60	0.60	TW Elev. (ft)	= 0.00			
Multi-Stage	= n/a	Yes	No	No					

Stage / Storage / Discharge Table

Stage ft	Storage cuft	Elevation ft	Civ A cfs	Civ B cfs	Civ C cfs	PrRsr cfs	Wr A cfs	Wr B cfs	Wr C cfs	Wr D cfs	Exfil cfs	User cfs	Total cfs
0.00	0	552.75	0.00	0.00	--	--	0.00	0.00	--	--	--	--	0.00
0.25	250	553.25	0.76	0.76	--	--	0.00	0.00	--	--	--	--	0.76
0.50	1,438	553.50	1.44	1.43	--	--	0.00	0.00	--	--	--	--	1.43
0.75	3,625	553.75	2.07	2.07	--	--	0.00	0.00	--	--	--	--	2.07
1.00	6,858	554.00	2.47	2.47	--	--	0.00	0.00	--	--	--	--	2.47
1.25	10,828	554.25	3.44	1.98	--	--	0.00	1.46	--	--	--	--	3.44
1.50	14,815	554.50	3.75	1.20	--	--	0.00	2.55	--	--	--	--	3.75
1.75	18,915	554.75	3.96	0.41	--	--	1.78	1.77	--	--	--	--	3.95

Note: Culvert/Orifice outflows are analyzed under inlet and outlet control. Weir risers are checked for orifice conditions.

BENCHMARK:
PK NAIL IN CONCRETE.
NORTHING=7,021,752.890
EASTING=2,601,063.913
ELEVATION = 549.01'