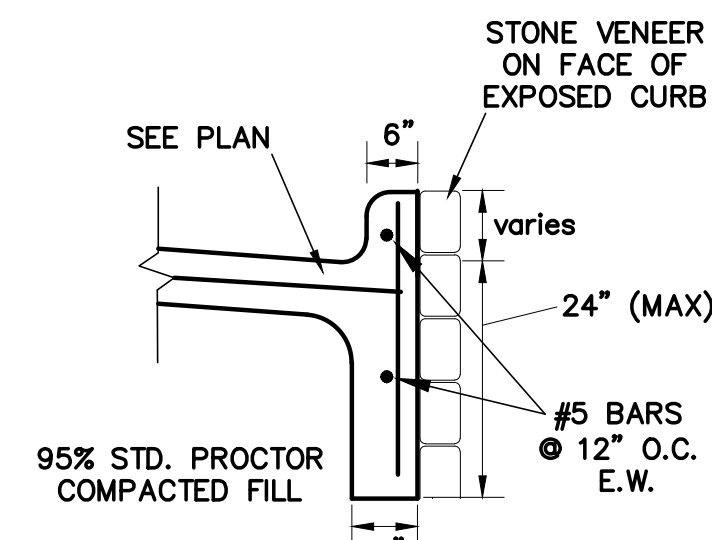
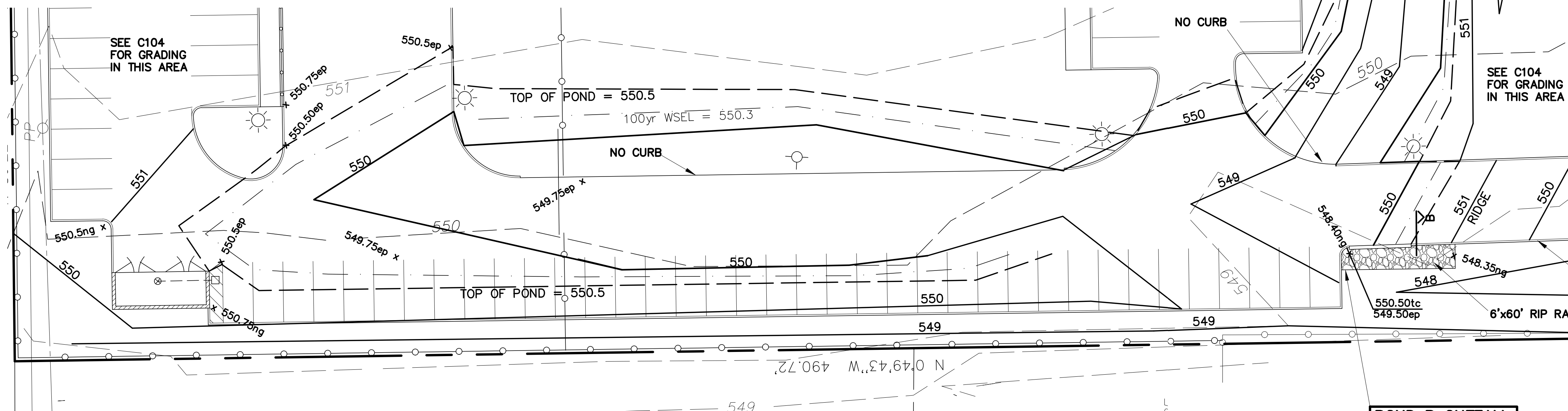


RIP RAP DETAIL
NOT TO SCALE

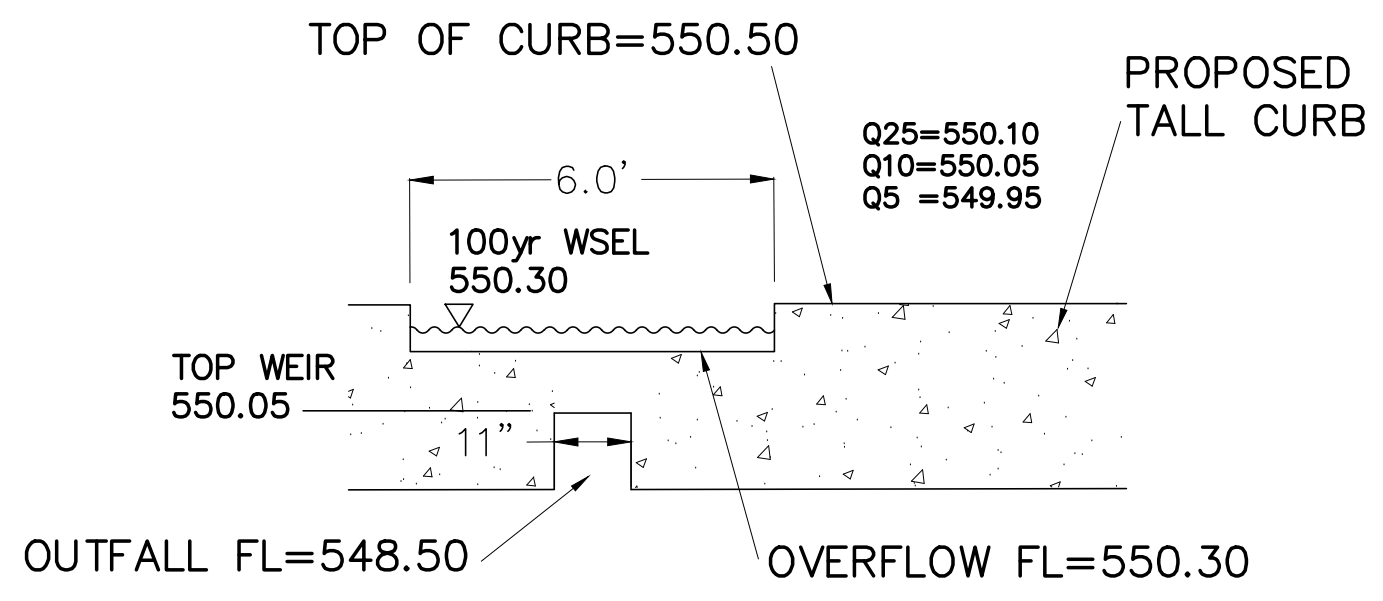


SECTION B
STEM WALL
NOT TO SCALE

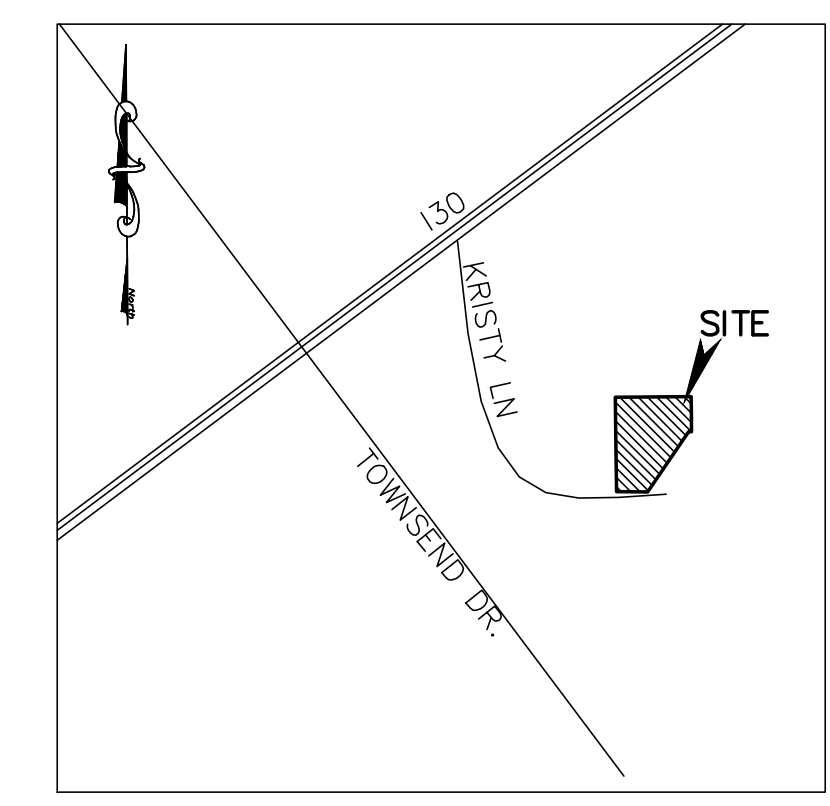


POND B

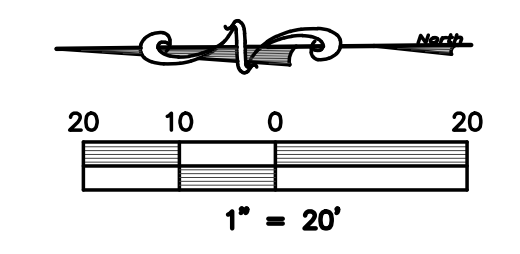
POND B OUTFALL
CONSTRUCT 6' WIDE
OVERFLOW SPILLWAY
W/11" OPENING
TOP = 550.3
FL = 548.50
(SEE DETAIL)



POND B OUTFALL DETAIL
NOT TO SCALE



LOCATION MAP
(NOT TO SCALE)



LEGEND

- = PROPERTY LINE
- - - - - = EXISTING CONTOURS
- — — — — = PROPOSED CONTOURS
- 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
- ⊕ FH = 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

Pond Report

Hydraflow Hydrographs by Intellisolve v9.01 Thursday, Aug 27, 2020

Pond No. 2 - Pond B

Pond Data
Contours - User-defined contour areas. Average end area method used for volume calculation. Beginning Elevation = 548.50 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	548.50	00	0	0
0.25	548.75	250	31	31
0.50	549.00	8,815	1,133	1,164
0.75	549.25	12,000	2,602	3,766
1.00	549.50	15,000	3,375	7,141
1.25	549.75	17,500	4,063	11,204
1.50	550.00	23,802	5,163	16,367
1.75	550.25	26,500	6,288	22,654
2.00	550.50	26,500	6,625	29,279

Culvert / Orifice Structures

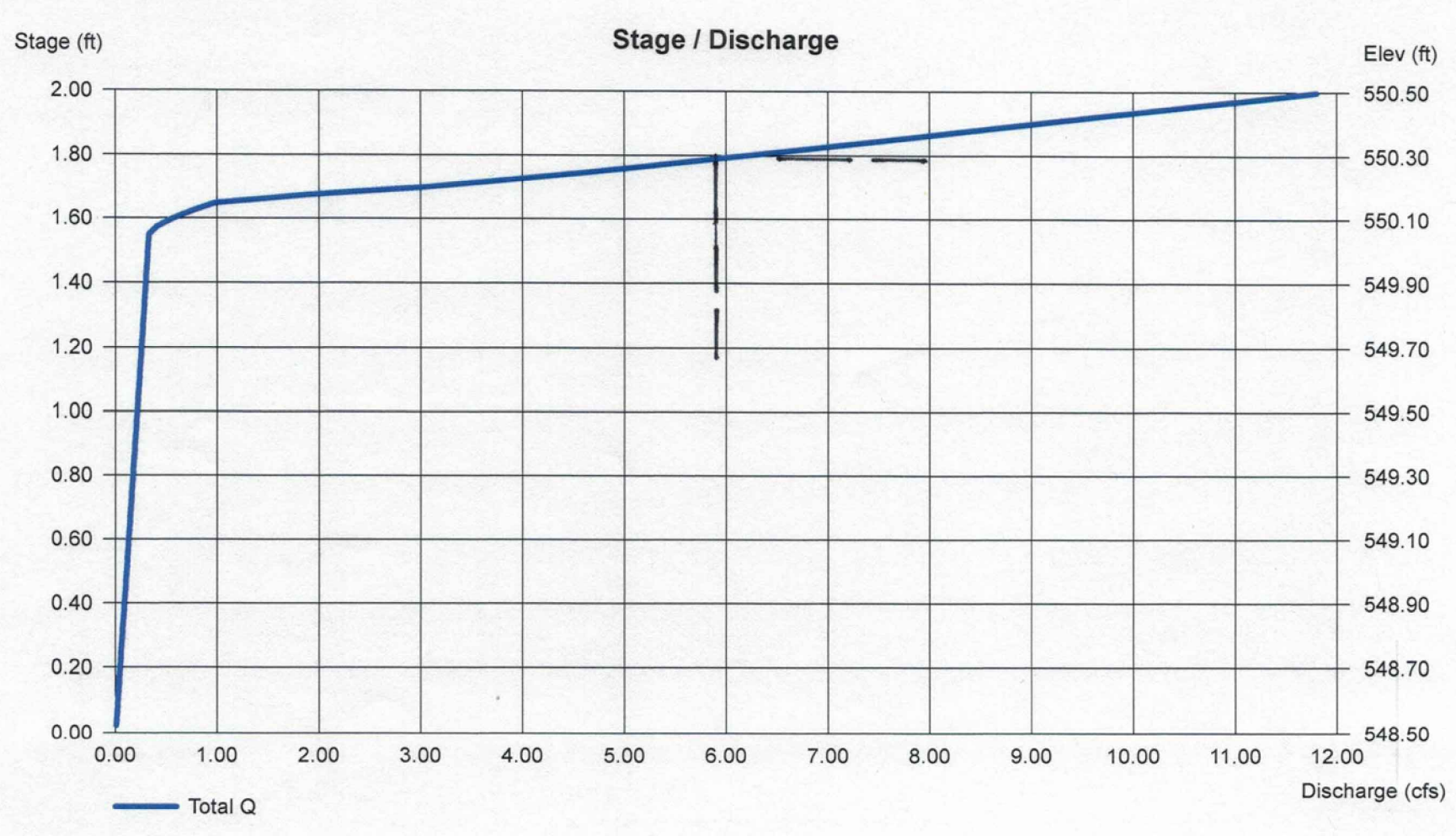
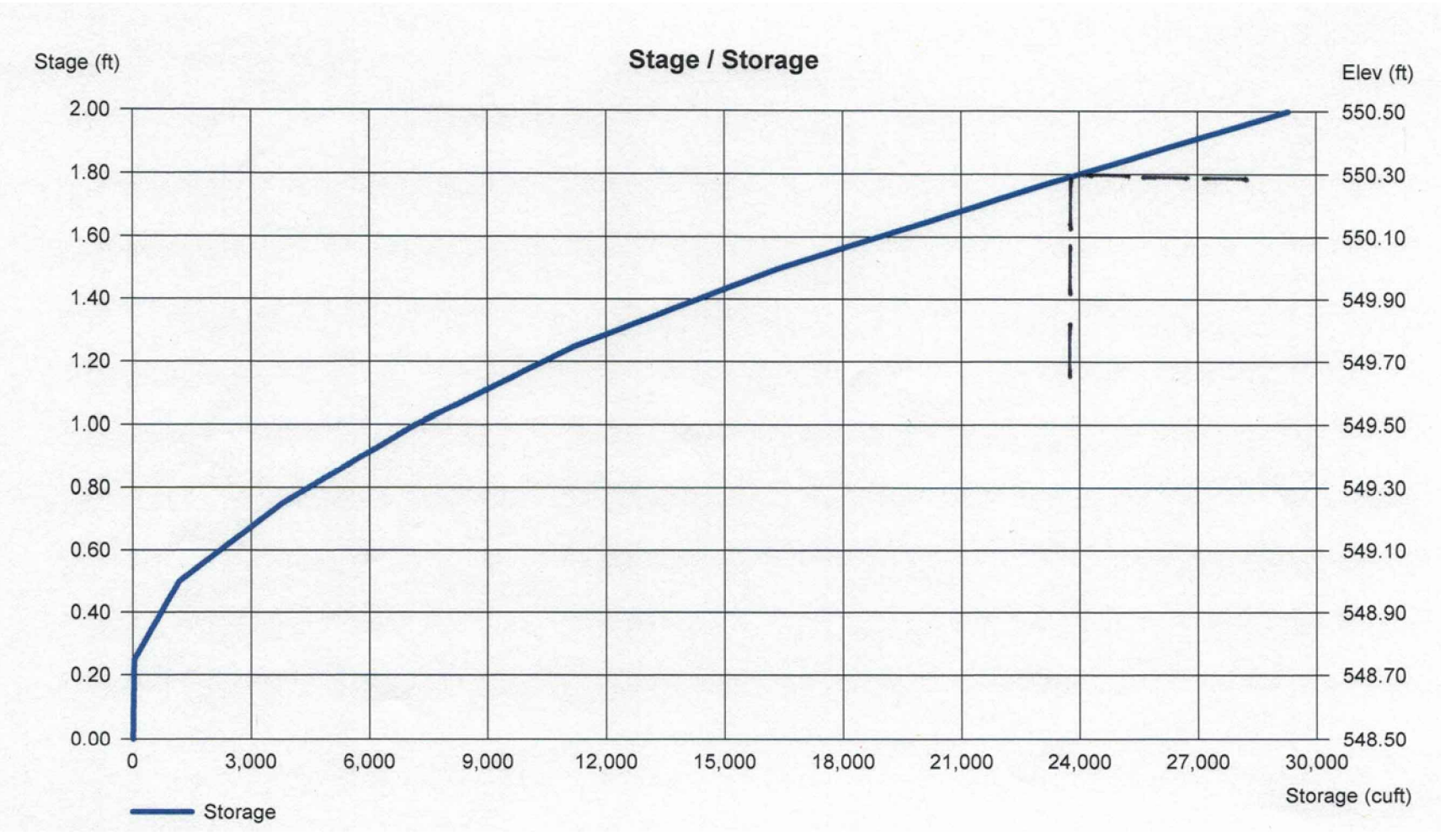
	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 20.00	0.00	0.00	Inactive
Span (in)	= 11.00	0.00	0.00	0.00
No. Barrels	= 1	0	0	1
Invert El. (ft)	= 548.50	0.00	0.00	0.00
Length (ft)	= 0.50	0.00	0.00	0.00
Slope (%)	= 0.25	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	No	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 6.00	0.00	0.00	0.00
Crest El. (ft)	= 550.05	0.00	0.00	0.00
Weir Coeff.	= 3.33	3.33	3.33	3.33
Weir Type	= Rect	---	---	---
Multi-Stage	= No	No	No	No
Exfil. (in/hr)	= 0.00 (by Contour)	---	---	---
TW Elev. (ft)	= 0.00	---	---	---

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	548.50	0.00	---	---	---	0.00	---	---	---	---	---	0.00
0.25	31	548.75	0.05	---	---	---	0.00	---	---	---	---	---	0.05
0.50	1,164	549.00	0.10	---	---	---	0.00	---	---	---	---	---	0.10
0.75	3,766	549.25	0.16	---	---	---	0.00	---	---	---	---	---	0.16
1.00	7,141	549.50	0.21	---	---	---	0.00	---	---	---	---	---	0.21
1.25	11,204	549.75	0.26	---	---	---	0.00	---	---	---	---	---	0.26
1.50	16,367	550.00	0.31	---	---	---	0.00	---	---	---	---	---	0.31
1.75	22,654	550.25	2.90	---	---	---	1.79	---	---	---	---	---	4.69
2.00	29,279	550.50	5.77	---	---	---	6.03	---	---	---	---	---	11.80



ONLY DRAWINGS STAMPED "RELEASED FOR CONSTRUCTION" BY THE CITY OF ROCKWALL TO BE USED FOR CONSTRUCTION.



CASE #: SP2019-047

POND LAYOUT PLAN
POND B
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" = 20' sheet: C106

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.

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