



TOWNSHIP of HOPEWELL
MERCER COUNTY

201 WASHINGTON CROSSING – PENNINGTON ROAD
TITUSVILLE, NEW JERSEY 08560-1410

PROJECT / APPLICATION

BLOCK: 93

LOT: 19, 20, 45.01, 46, p/o 60

ADDRESS: 61 NURSERY RD., SCOTCH RD., NURSERY RD., NURSERY RD., 137 NURSERY RD.

PROJECT NAME: MAJOR SUBDIVISION, PRELIMINARY/FINAL AND SITE PLAN,
PRELIMINARY/FINAL (VENUE AT HOPEWELL)

SOIL EROSION AND
SEDIMENT P.2
& CONSTRUCTION P.

16

8/18/25





PROJ: 081391-01-001
DATE: 06/25/2024
CHKD: SAD

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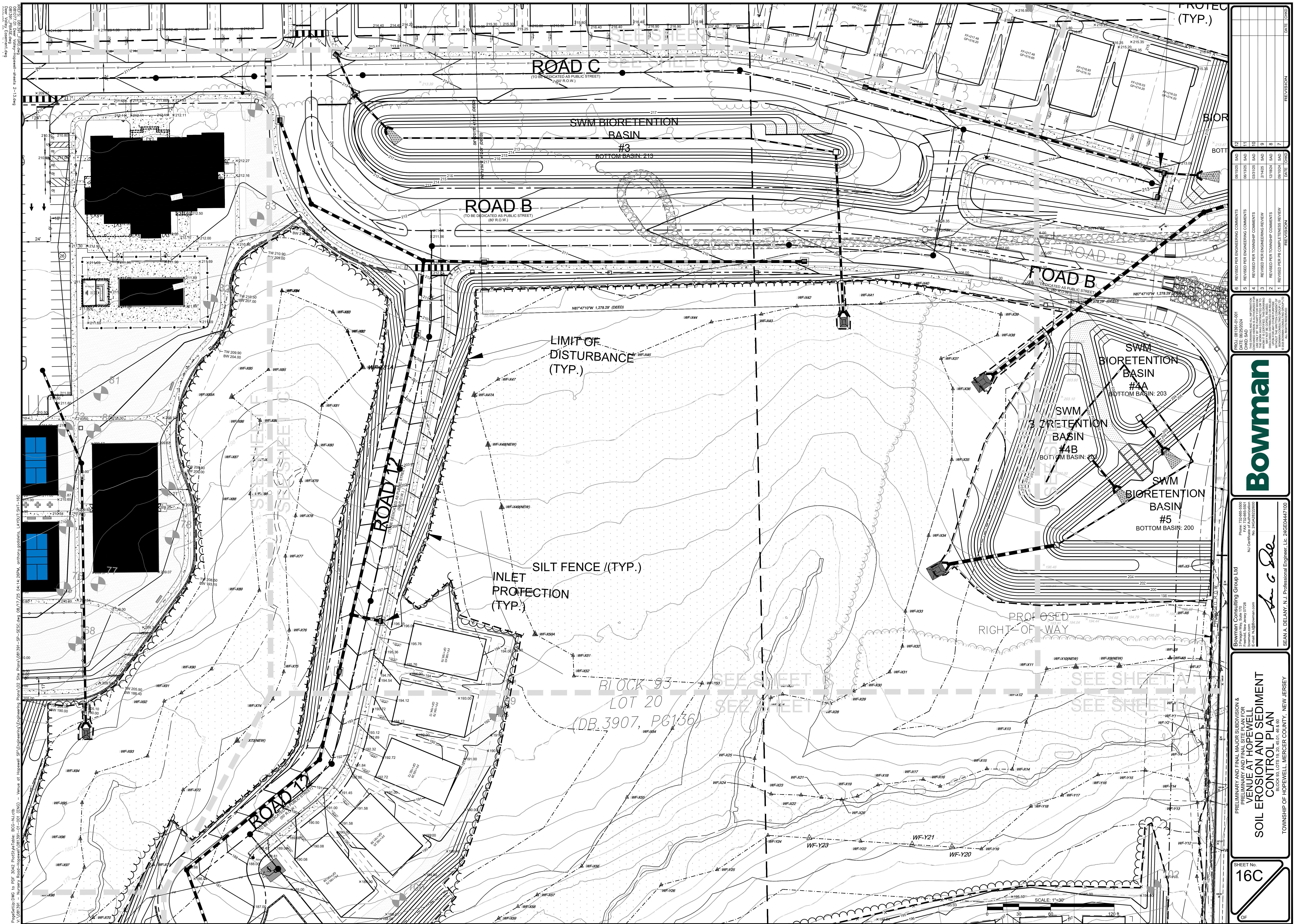
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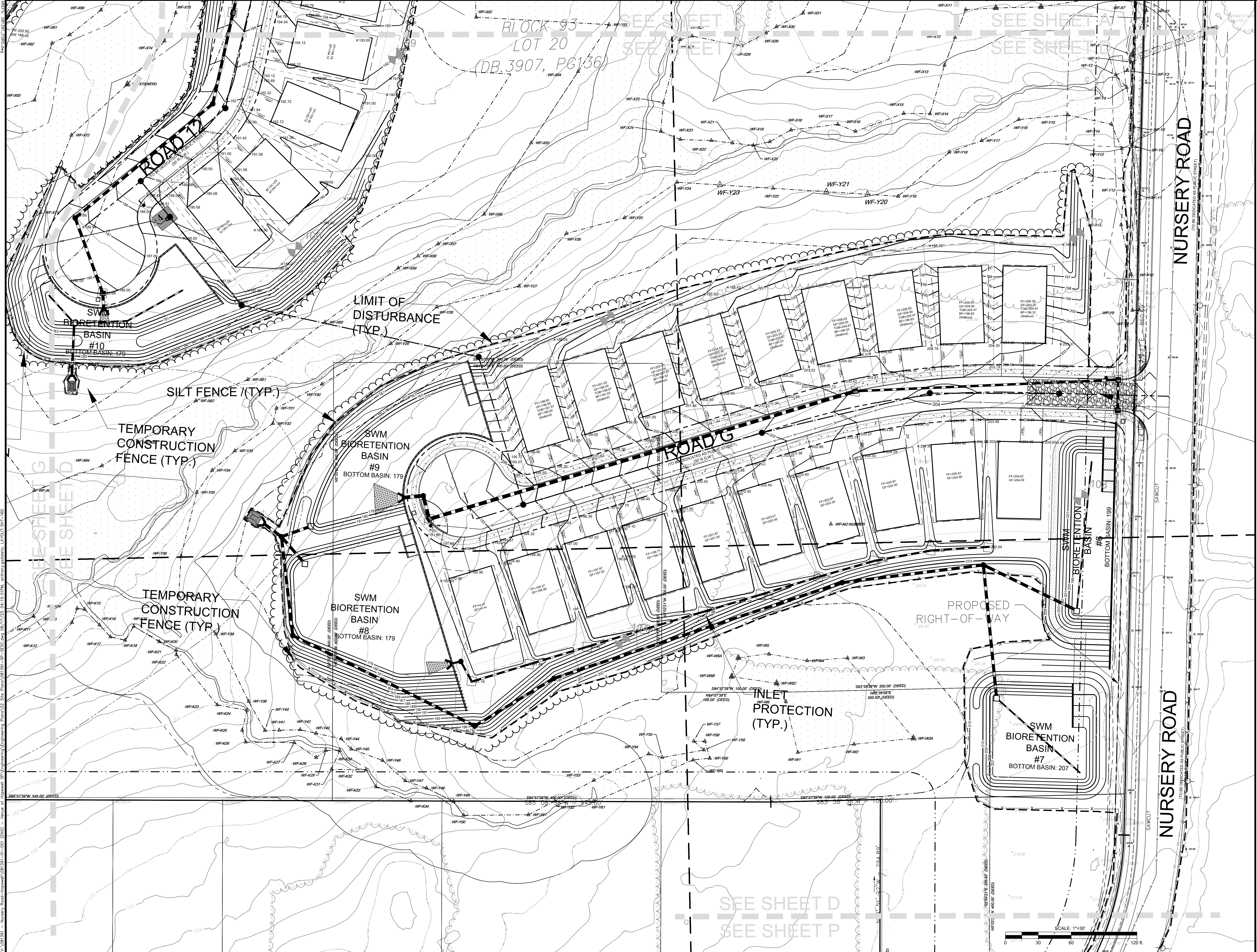
Sean C Delany

SEAN A. DELANY, N.J. Professional Engineer, Lic. 24GE04447100

SHEET No.
16B
OF

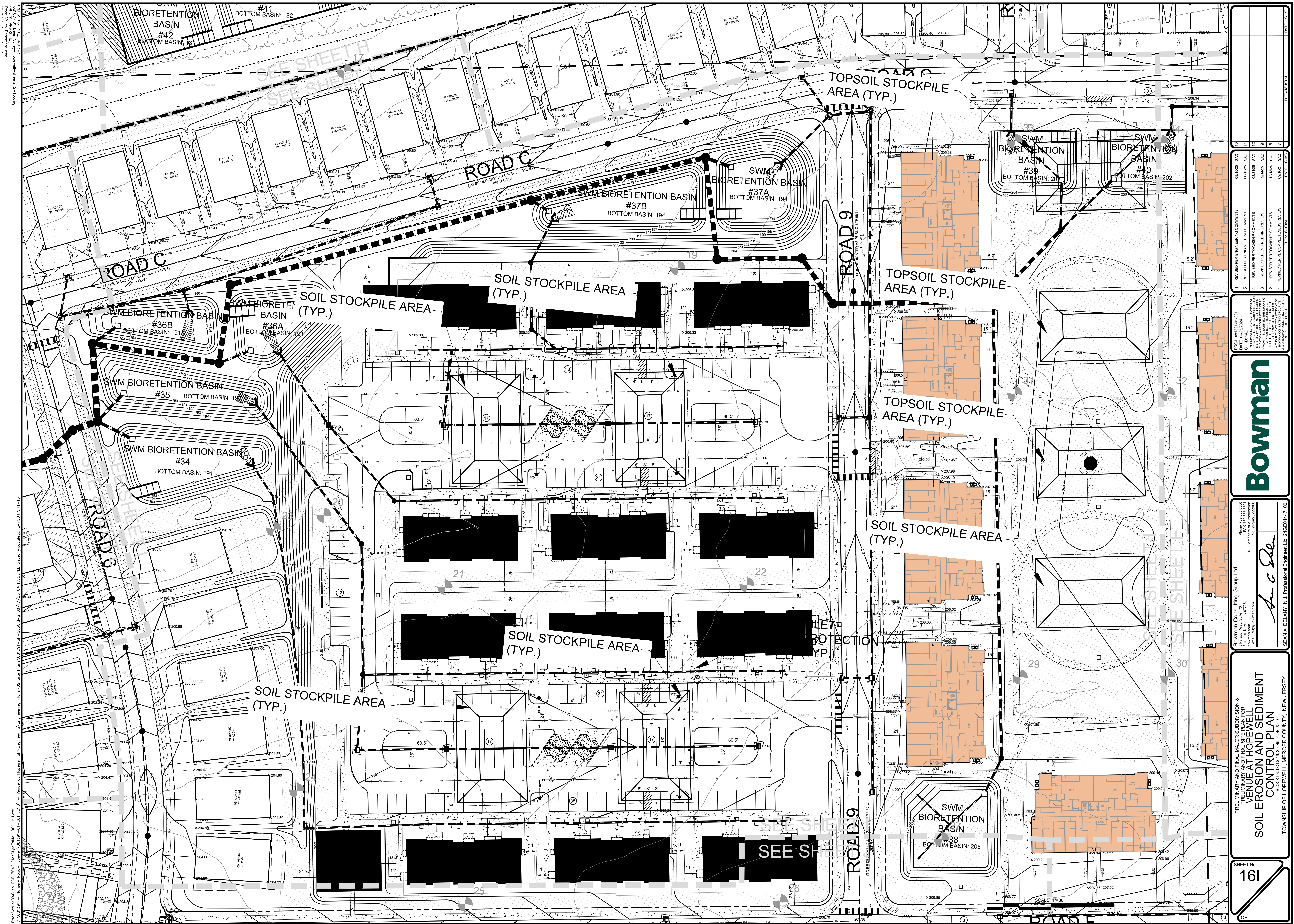
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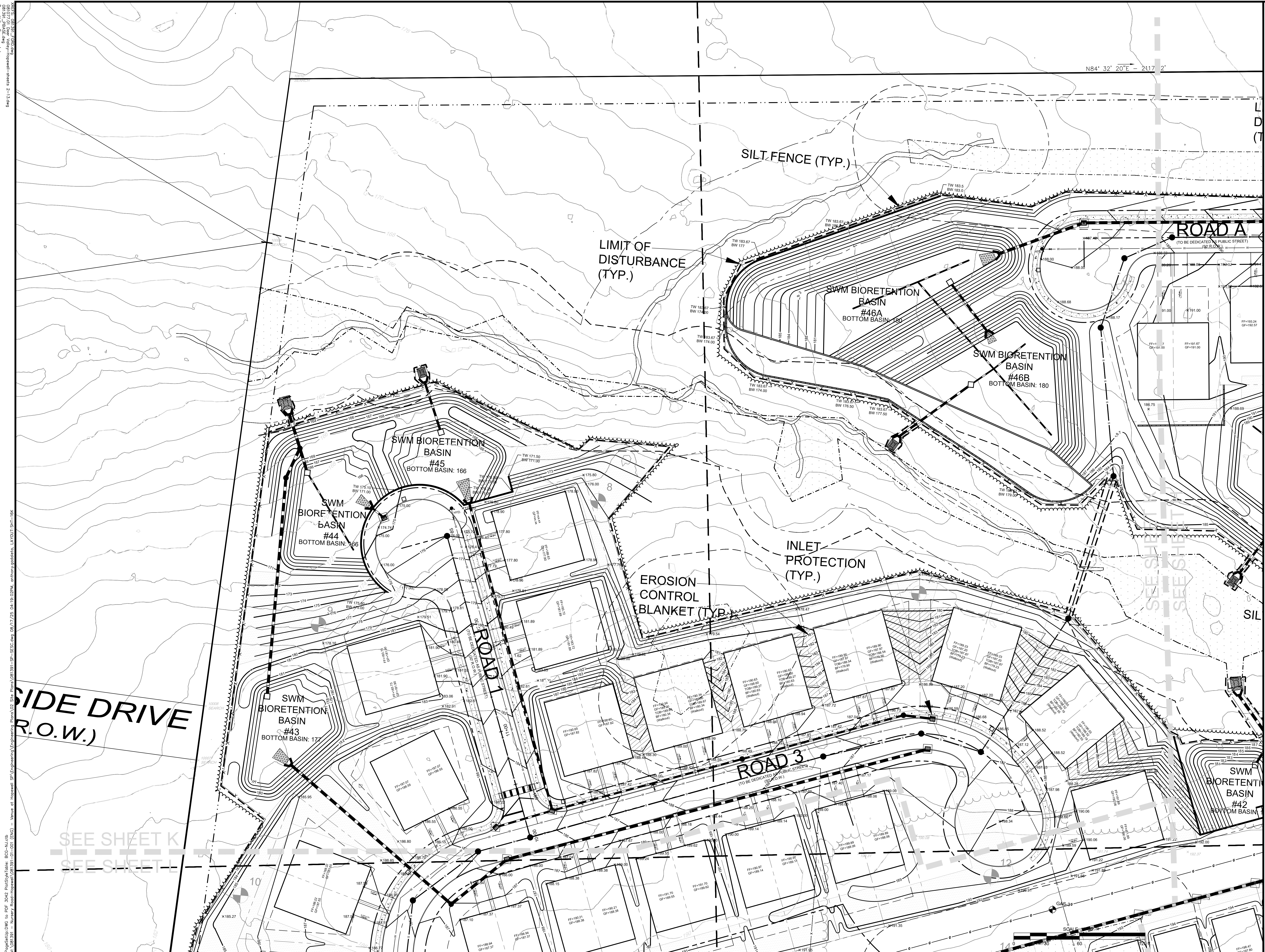
Project: Nursery Road-Hopewell, NJ
Drawing: SOIL EROSION AND SEDIMENT CONTROL PLAN
Scale: 1"=30'
Date: 06/25/2024
Sheet: 16D
Author: S. A. Delany
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PRELIMINARY AND FINAL MAJOR SUBDIVISION & ADJACENT LOT DEVELOPMENT
VENUE AT HOPEWELL
SOIL EROSION AND SEDIMENT CONTROL PLAN
BLOCK 93, LOTS 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 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PRELIMINARY AND FINAL MAJOR SURVEILLANCE & PRELIMINARY AND FINAL SITE PLAN FOR VENUE AT HOPEWELL

SOIL EROSION AND SEDIMENT CONTROL PLAN

BLOCK 83, LOTS 10, 20, 40, 60, 48.8, 60

TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

16K

SHEET No. _____

Bowman Consulting Group Ltd

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 Princeton, NJ 08540-7728
 Email: info@bowman.com
 Website: www.bowman.com

Project: 75466-5000
 Client: N.J. Department of Transportation
 N.J. Certificate of Authorization
 No. 24-000222-0000

Sean A. Delany

Sean A. Delany, N.J. Professional Engineer, License #44444700

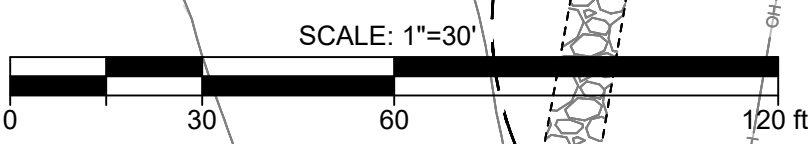
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 DATE: 06/25/2024

PROJECT: 081931-001
 DATE: 06/25/2024

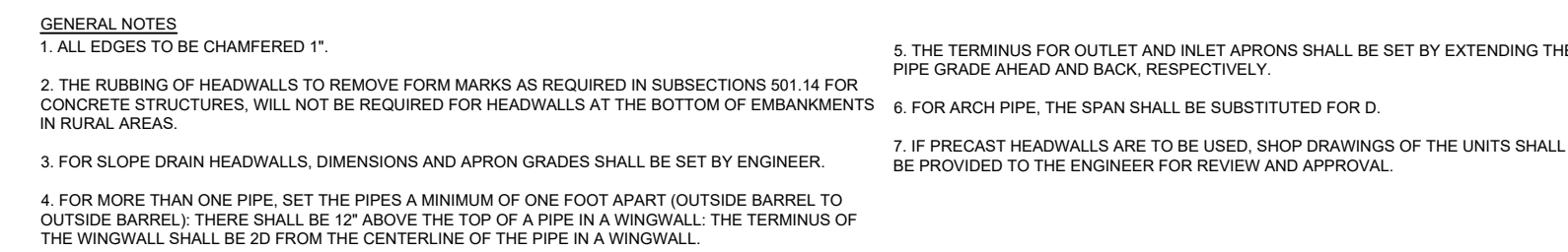
NO.	REVISION	DATE	BY	CHKD
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40	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
41	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
42	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
43	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
44	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
45	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
46	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
47	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
48	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
49	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
50	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
51	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
52	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
53	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
54	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
55	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
56	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
57	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
58	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
59	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
60	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	
61	REVISED PER TOWNSHIP COMMENTS	06/10/24	SAD	



PRELIMINARY AND FINAL MAJOR SURVEY &
PRELIMINARY AND FINAL SITE PLAN FOR
VENUE AT HOPEWELL
SOIL EROSION AND SEDIMENT
CONTROL PLAN
BLOCK 93, LOTS 10, 20, 45, 61, 64 & 66
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY



REVISED PER ENGINEERING COMMENTS	DATE	BY	DATE	BY
6	10/15/25	SAD	2	
5	08/19/25	SAD	11	
4	03/11/25	SAD	10	
3	2/14/25	SAD	9	
2	12/10/24	SAD	8	
1	08/10/24	SAD	7	



The drawing consists of two views: a **TOP VIEW** on the left and a **RIGHT SIDE VIEW** on the right.

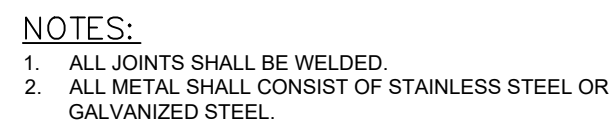
TOP VIEW: Shows a rectangular structure with a grid of reinforcement bars. Dimensions include a width of 2' (TYP.) and a height of 2' (TYP.). A note indicates to "EXTEND BELOW ORIFICE, 6" MIN."

RIGHT SIDE VIEW: Shows the profile of the structure. Key dimensions and features include:

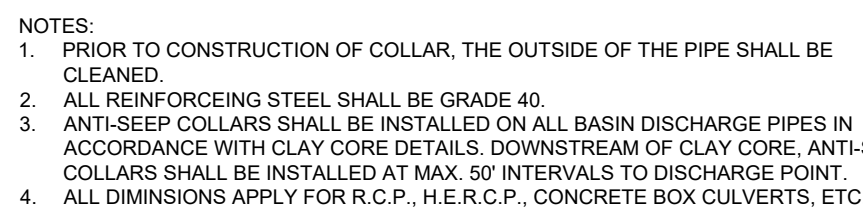
- Overall height: 1'-0"
- Top flange thickness: 1/2"
- Top flange width: 6" (TYP.)
- Reinforcement: 3" x 1/2" STEEL PLATES WELDED TO BAR END TO PROVIDE MOUNTING SURFACE TO OUTLET STRUCTURE.
- Internal reinforcement: 3/8" ROUND STEEL BARS, WELD BARS @ ALL INTERSECTIONS.
- Material: 1/2" METAL ROUND.
- Top flange material: 1/2" STAINLESS STEEL WEDGE AND/OR RED HEAD OR EQUAL (TYP.).

NOTES:

1. ALL JOINTS SHALL BE WELDED.
2. ALL METAL SHALL CONSIST OF STAINLESS STEEL OR GALVANIZED STEEL.



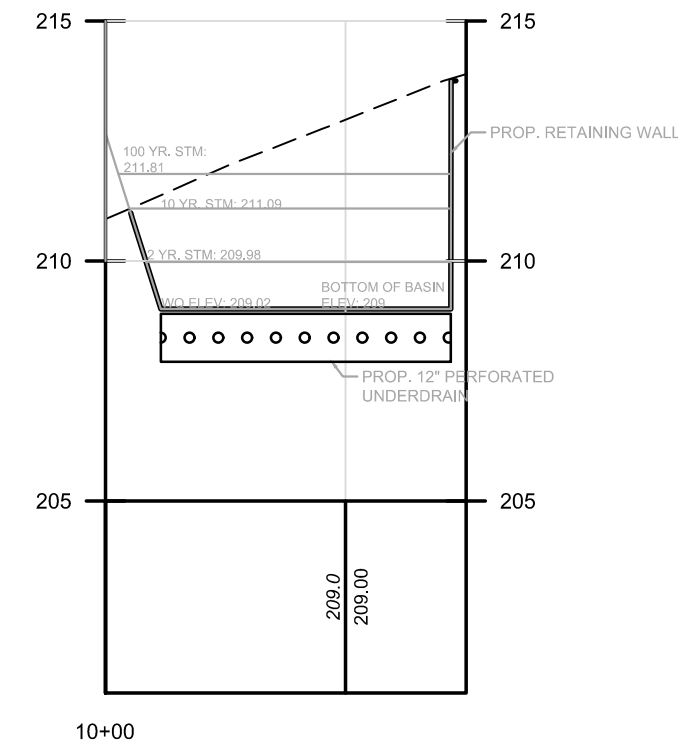
BASIN	ID	ELEV. "A"	WEIR LENGTH	ELEV. "B"	ORIFICE SIZE	ELEV. "C"	OUTLET PIPE SIZE	ELEV. "D"	WEIR 2 LENGTH	ELEV. "B"	ORIFICE 2 SIZE	ELEV. "C"
1	OS 1	210.86	4"	209.67	2.5"	209.17	30"	208.86				
2	OS 669	211.00	4"	210.20	2.5"	209.05	18"	209.12				
3	OS 369	217.00	4"	215.50	2.5"	212.90	18"	208.00				
4A	OS 670	206.00	4"	205.00	36" L x 12" H	203.85	18"	202.00				
4B	OS 671	206.00	4"	205.00	36" L x 12" H	203.77	18"	202.00				
5	OS 11	202.21	4"	201.25	2.5"	200.02	30"	200.00				
6	OS 28	203.00	4"	200.10	2.5"	199.50	24"	198.65				
7	OS 30	206.86	4"	207.99	2.5"	207.17	30"	206.65				
8	OS 35	183.00	4"	179.79	2.5"	179.17	24"	178.55	3'	158.30		
9	OS 32	183.00	4"	179.93	2.5"	179.30	24"	178.65				
10	OS 568	183.00	4"	182.00	2 L x 0.16" H	179.88	18"	179.00				
11	OS 57	184.00	4"	182.75	2.5"	181.00	24"	180.00				
12	OS 91	205.00	4"	203.02	7.5"	201.90	30"	200.65				
13	OS 84	196.00	4"	193.95	2.5"	192.70	18"	191.30				
14	OS 104	194.21	4"	193.45	2.5"	192.40	24"	192.00				
15	OS 105	197.87	8"	198.58	1.5"	197.35	18"	196.00				
16A	OS 668	182.00	4"	179.91	24" L x 4" H	179.16	18"	176.65				
16B	OS 59	182.00	4"	180.00	2 L x 0.16" H	179.00	18"	178.00				
17A	OS 657	183.00	4"	182.00	2.5"	179.18	18"	178.65				
17B	OS 144	183.00	4"	176.86	2.5"	176.35	18"	176.00				
18	OS 121	190.00	4"	189.34	2.5"	187.25	24"	186.00				
19	OS 379	199.00	4"	197.75	2.5"	196.00	15"	194.30				
20	OS 431	154.00	4"	152.75	2.5"	151.68	10"	150.00				
21	OS 433	154.00	4"	152.33	2.5"	150.68	24"	149.30				
22	OS 664	152.00	4"	149.47	2.5"	148.15	18"	147.30				
23	OS 534	149.00	4"	146.50	2.5"	145.28	18"	144.30				
24	OS 532	149.00	4"	146.25	5"	145.17	18"	145.30				
25	OS 530	148.00	4"	145.95	4.5"	144.42	18"	144.00				
26	OS 598	148.00	4"	146.00	2.5"	144.36	24"	143.65				
27	OS 592	172.00	4"	172.25	8"	170.47	15"	167.65	2'	171.75		
28	OS 593	166.40	4"	170.00	2.5 L x 0.75" H	167.87	24"	165.65	1'	169.50		
29	OS 461	188.21	4"	187.49	2.5"	186.87	18"	186.00				
30	OS 462	180.00	4"	179.00	2.5"	175.93	18"	176.00				
31	OS 459	197.00	4"	195.00	2.5"	192.97	24"	192.00				
32	OS 661	196.21	4"	197.00	3 L x 0.5" H	194.53	24"	195.00				
33	OS 443	191.00	4"	186.25	2.5"	184.96	18"	184.00				
34	OS 616	195.00	4"	192.33	2.5"	191.09	15"	190.00				
35	OS 617	195.00	4"	193.05	2.5"	191.44	15"	189.65				
36A	OS 672	195.00	4"	194.00	4"	192.24	18"	190.50				
36B	OS 367	195.00	4"	193.55	3 L x 0.2" H	192.53	15"	190.65				
37A	OS 620	195.00	4"	196.49	2.5"	194.77	15"	193.65				
37B	OS 368	195.86	4"	196.63	2.5"	194.81	18"	193.00				
38	OS 315	209.00	4"	206.69	2.5"	205.26	18"	205.00				
39	OS 629	205.00	4"	203.04	6"	201.71	15"	200.85				
40	OS 630	205.00	4"	204.67	2 L x 0.5" H	202.65	15"	201.65				
41	OS 269	186.00	4"	184.13	2.5"	182.50	24"	182.00				
42	OS 272	185.00	4"	184.01	2.5"	182.60	18"	181.00				
43	OS 285	181.00	4"	178.58	2.5"	177.62	24"	177.00				
44	OS 289	170.00	4"	167.50	2.5"	166.41	24"	166.00				
45	OS 290	170.00	4"	169.00	2.5"	167.25	18"	166.00				
46A	OS 673	184.00	4"	183.84	2.5"	180.77	18"	181.28				
46B	OS 260	184.00	4"	184.45	2.5"	183.82	18"	179.65				
47	OS 262	189.00	4"	189.52	2.5"	188.84	18"	188.00				
48	OS 242	195.00	4"	193.00	2.5"	191.40	24"	191.00				
49	OS 641	187.00	4"	184.74	2.5"	183.55	24"	183.00				
50	OS 240	185.00	4"	185.30	2.5"	184.32	24"	183.65				
51	OS 238	191.00	4"	185.71	4" L x 1" H	184.05	30"	184.00				
52	OS 633	199.00	4"	195.72	3 L x 0.5" H	195.08	18"	195.00				
53	OS 665	204.00	4"	201.91	2 L x 0.33" H	201.02	24"	201.00				
54	OS 666	203.00	4"	202.42	2 L x 0.33" H	201.60	24"	201.00				
55	OS 227	196.00	4"	193.82	1.83" L x 0.2" H	192.80	18"	191.65				
56	OS 230	196.00	4"	193.62	3 L x 0.5" H	192.19	18"	191.65				
57	OS 233	206.00	4"	203.60	2.5"	202.34	36"	202.00				
58	OS 207	203.00	4"	199.91	2.5"	198.97	36"	199.00				



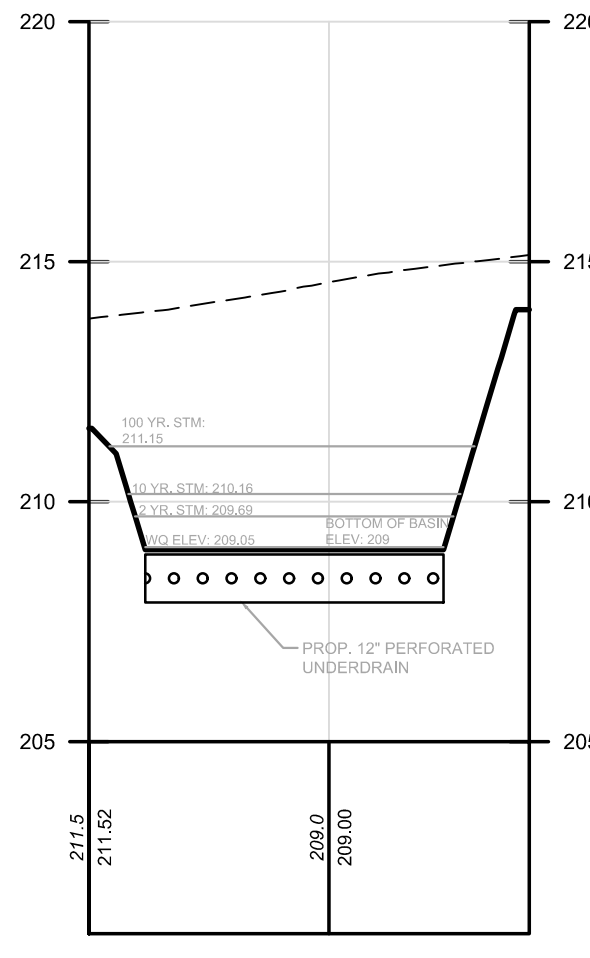
NOT TO SCALE

TYPICAL ANTI-SEEP COLLAR (OR APPROVED EQUAL)
NOT TO SCALE

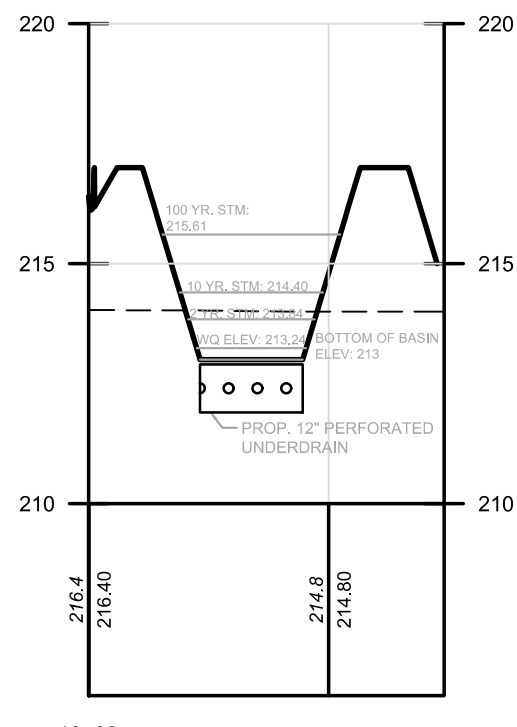
NOT TO SCALE



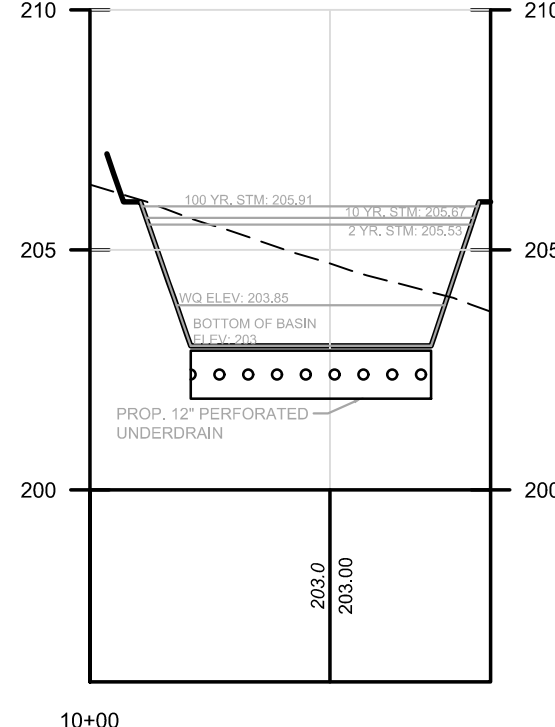
BASIN 1 PROFILE
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1"=4' Vertical



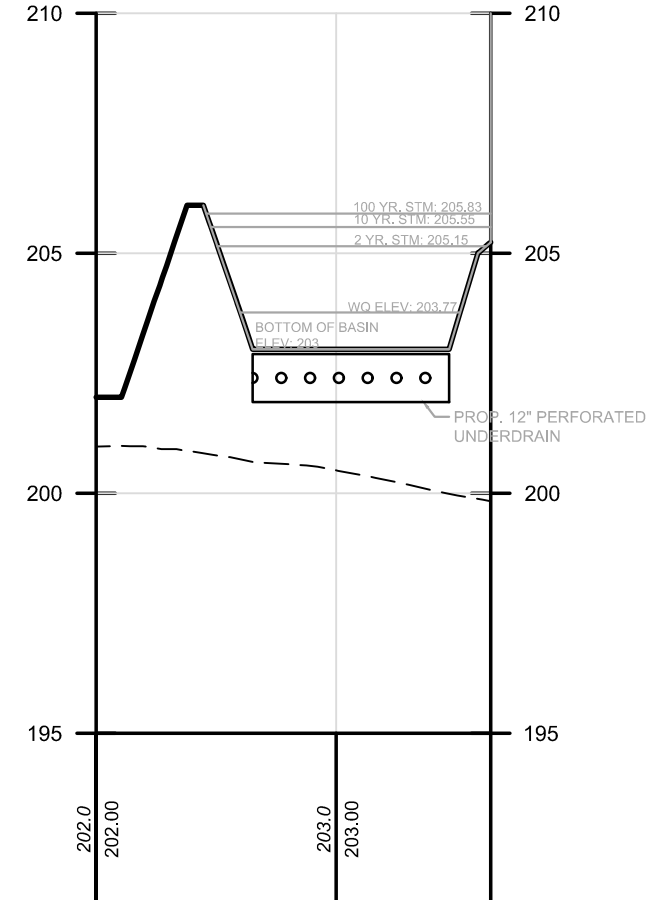
BASIN 2 PROFILE
1"=40' Horizontal
1"=4' Vertical



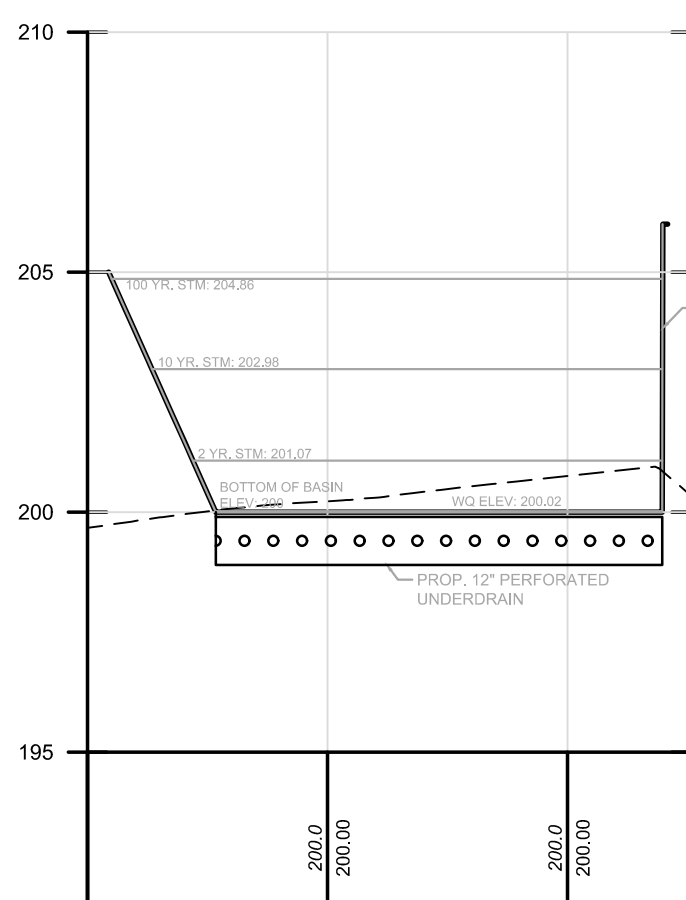
BASIN 3 PROFILE
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1"=4' Vertical



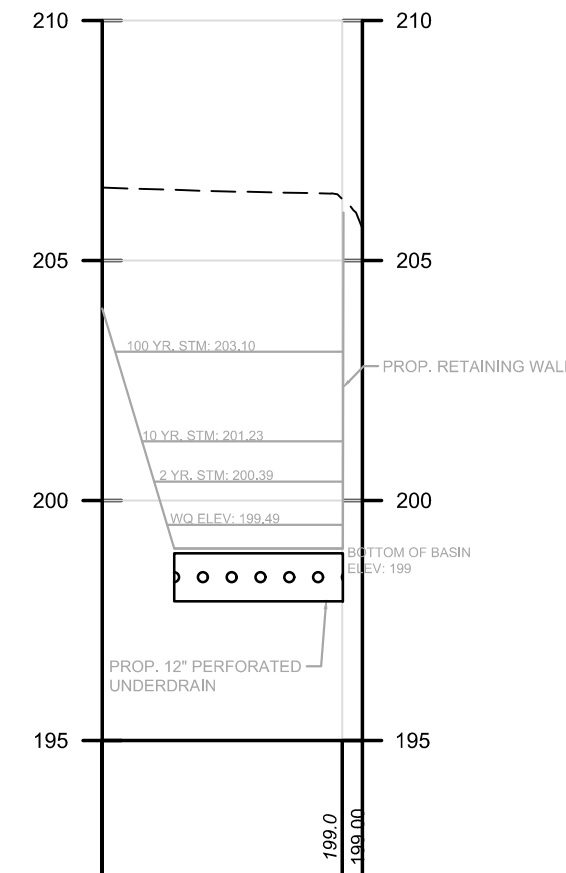
BASIN 4A PROFILE
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1"=4' Vertical



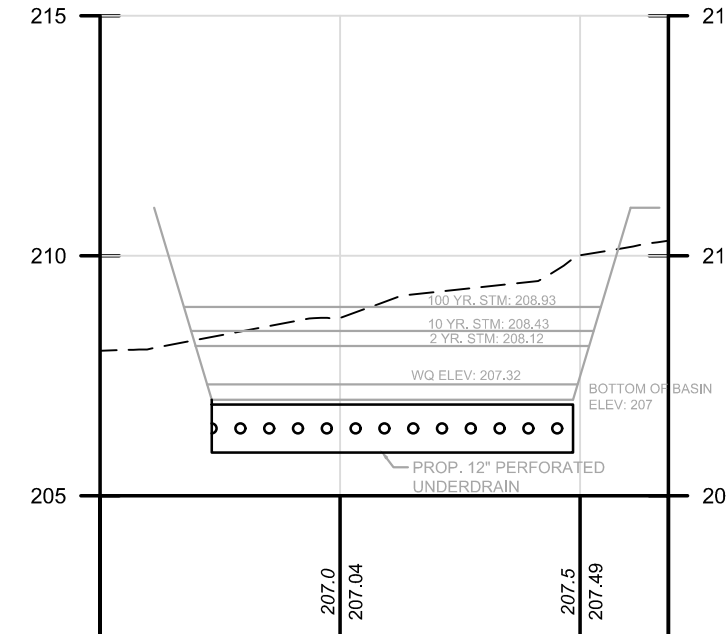
BASIN 4B PROFILE
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1"=4' Vertical



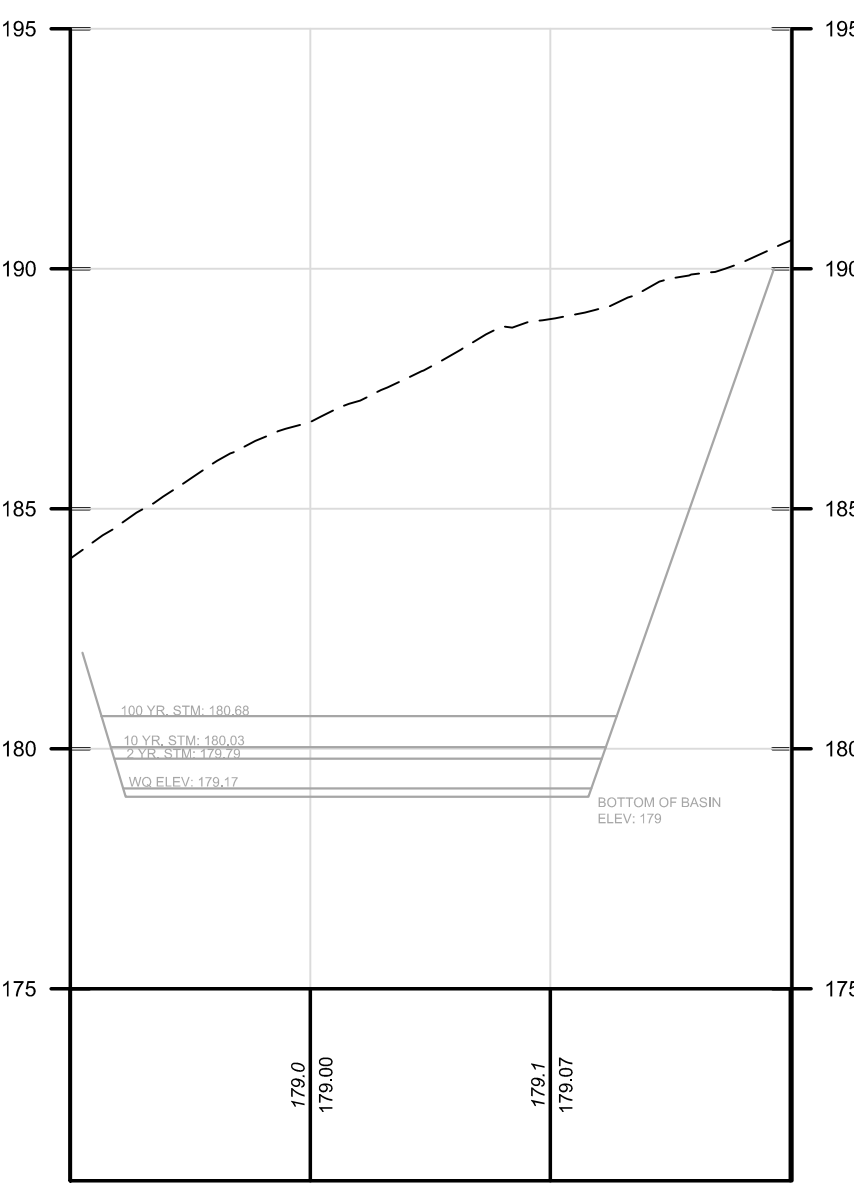
BASIN 5 PROFILE
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1"=4' Vertical



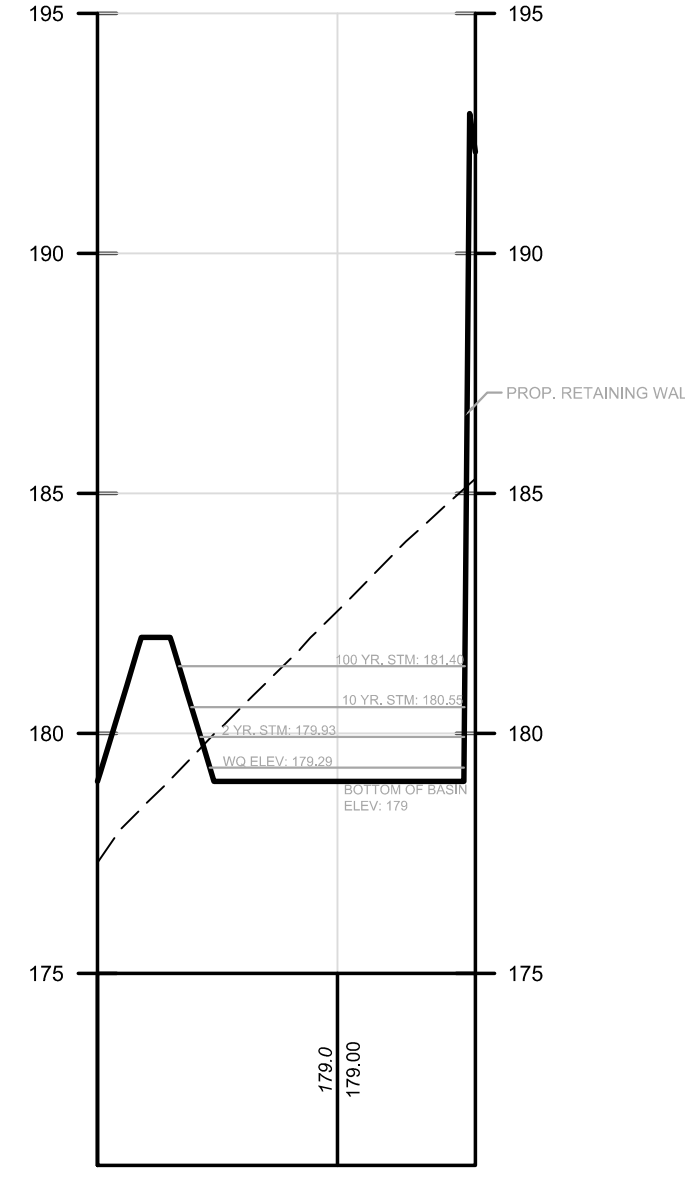
BASIN 6 PROFILE
1"=40' Horizontal
1"=4' Vertical



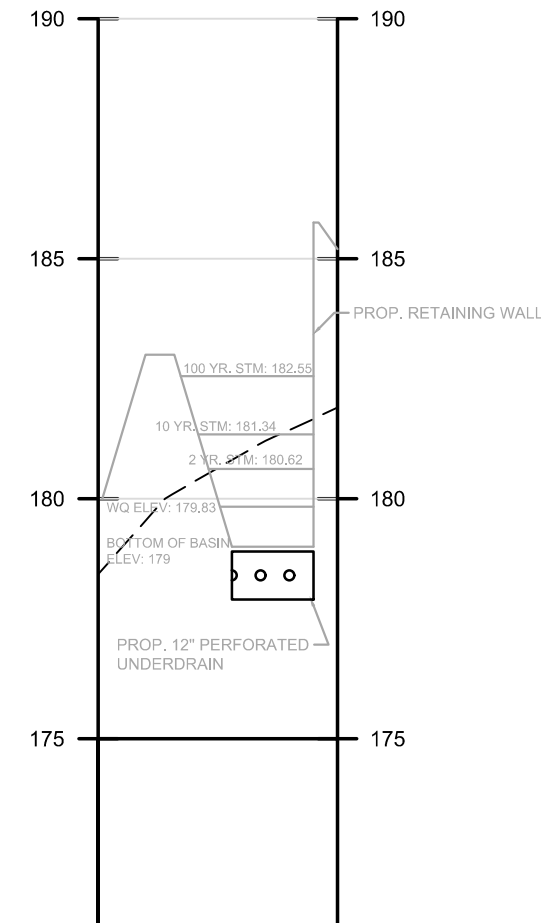
BASIN 7 PROFILE
1"=40' Horizontal
1"=4' Vertical



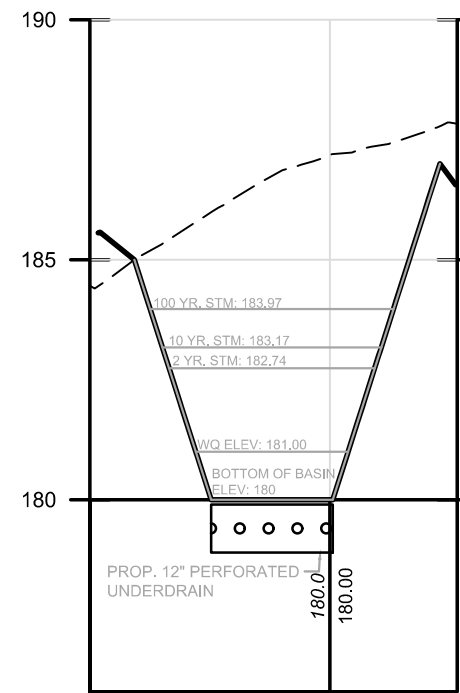
BASIN 8 PROFILE
1"=40' Horizontal
1"=4' Vertical



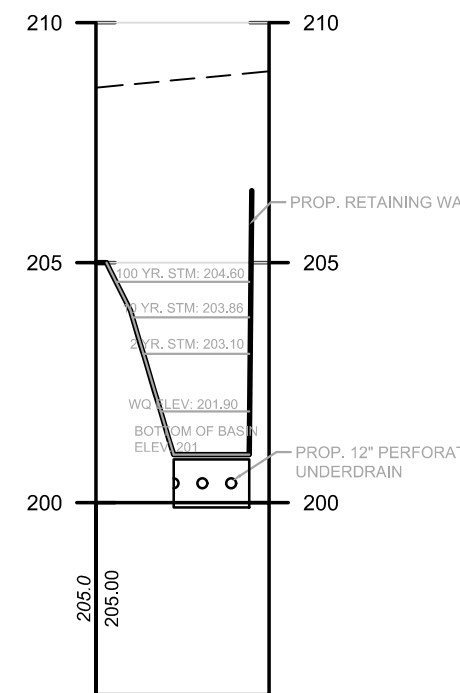
BASIN 9 PROFILE
1"=40' Horizontal
1"=4' Vertical



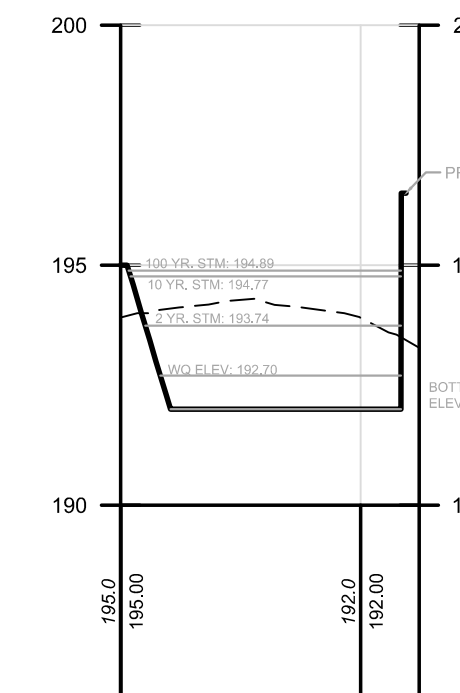
BASIN 10 PROFILE
1"=40' Horizontal
1"=4' Vertical



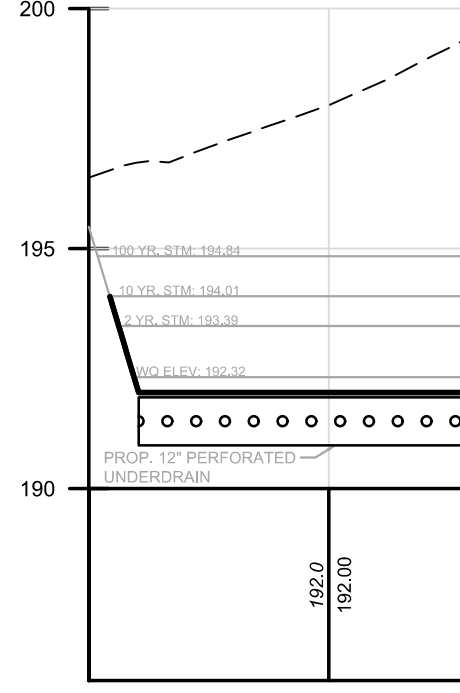
BASIN 11 PROFILE
1"=40' Horizontal
1"=4' Vertical



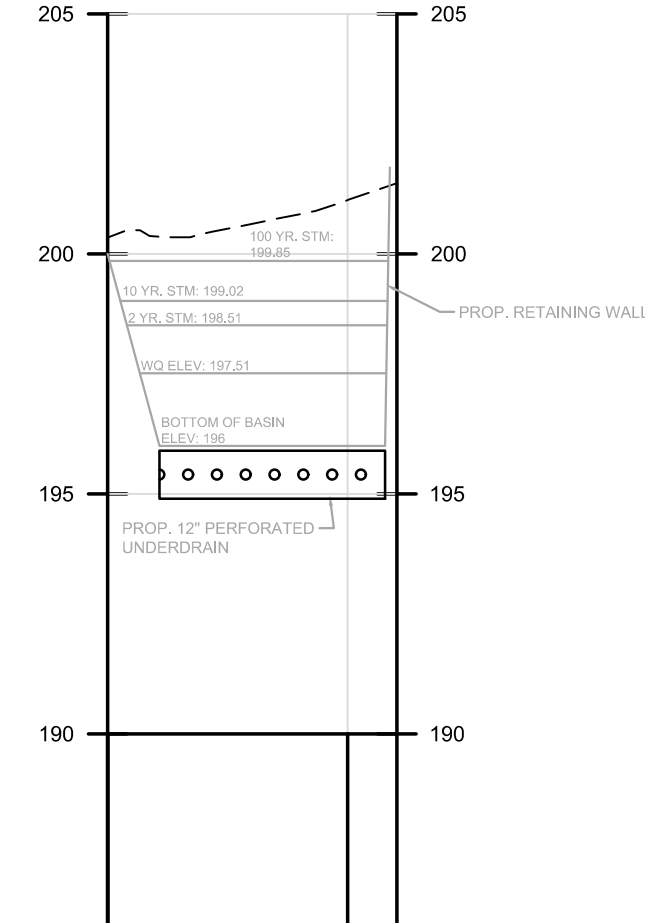
BASIN 12 PROFILE
1"=40' Horizontal
1"=4' Vertical



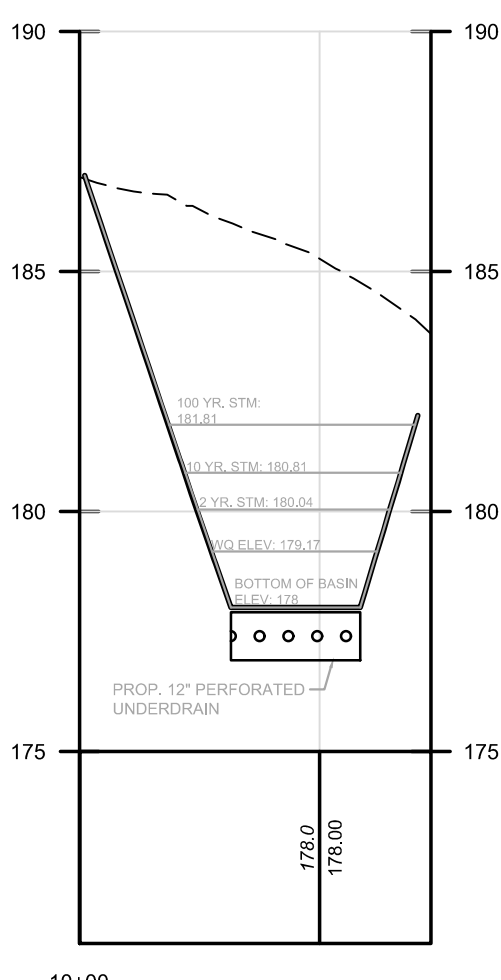
BASIN 13 PROFILE
1"=40' Horizontal
1"=4' Vertical



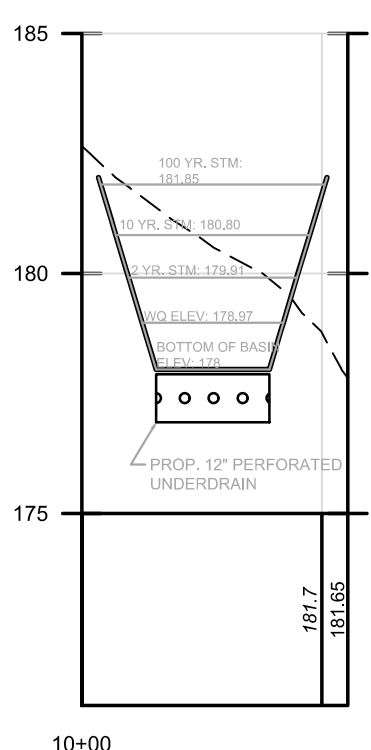
BASIN 14 PROFILE
1"=40' Horizontal
1"=4' Vertical



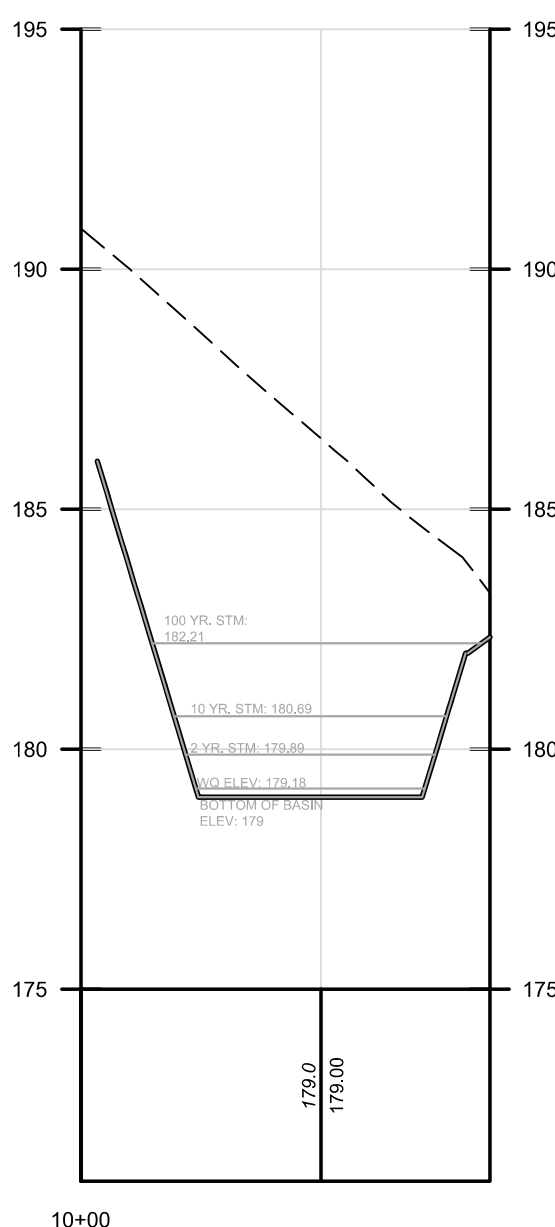
BASIN 15 PROFILE
1"=40' Horizontal
1"=4' Vertical



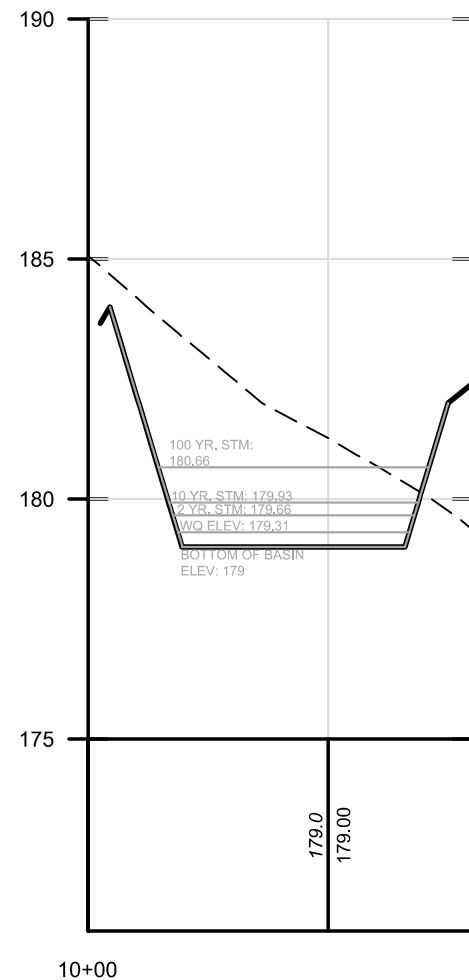
BASIN 16A PROFILE
1"=40' Horizontal
1"=4' Vertical



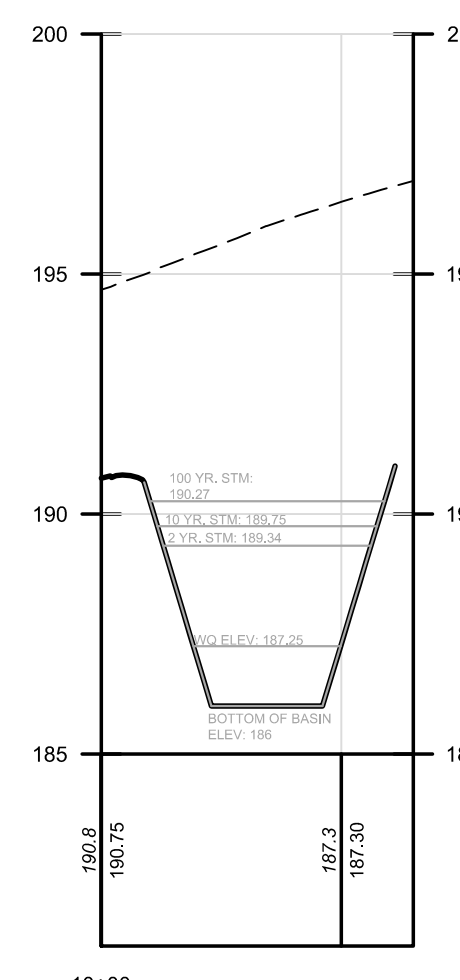
BASIN 16B PROFILE
1"=40' Horizontal
1"=4' Vertical



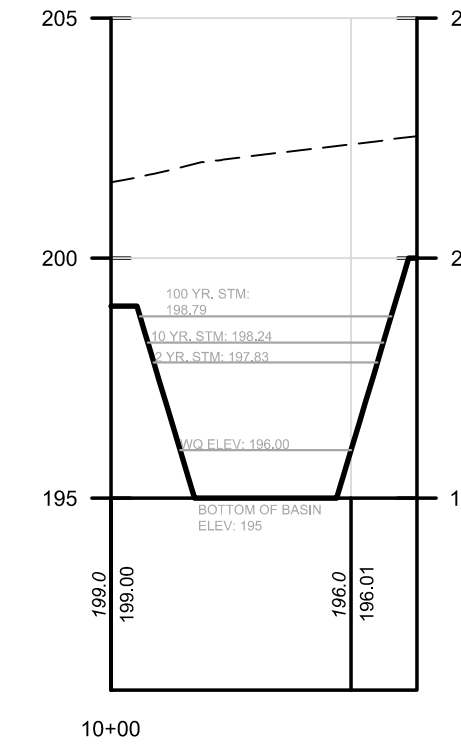
BASIN 17A PROFILE
1"=40' Horizontal
1"=4' Vertical



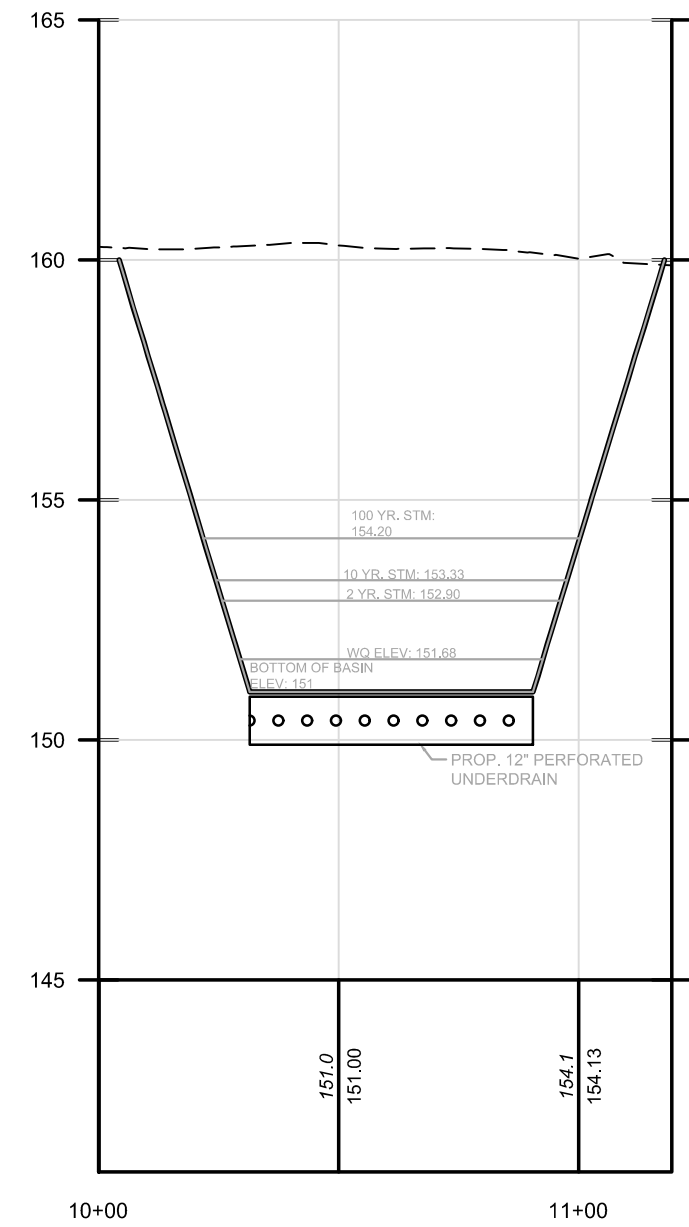
BASIN 17B PROFILE
1"=40' Horizontal
1"=4' Vertical



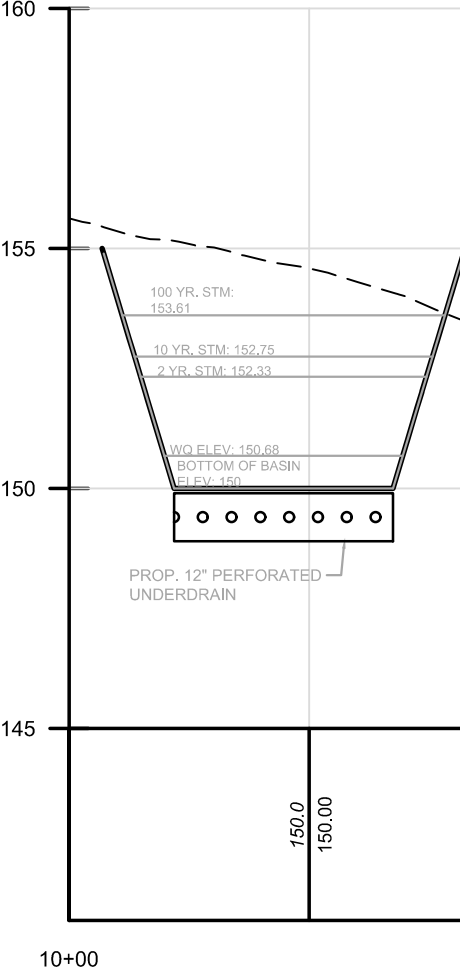
BASIN 18 PROFILE
1"=40' Horizontal
1"=4' Vertical



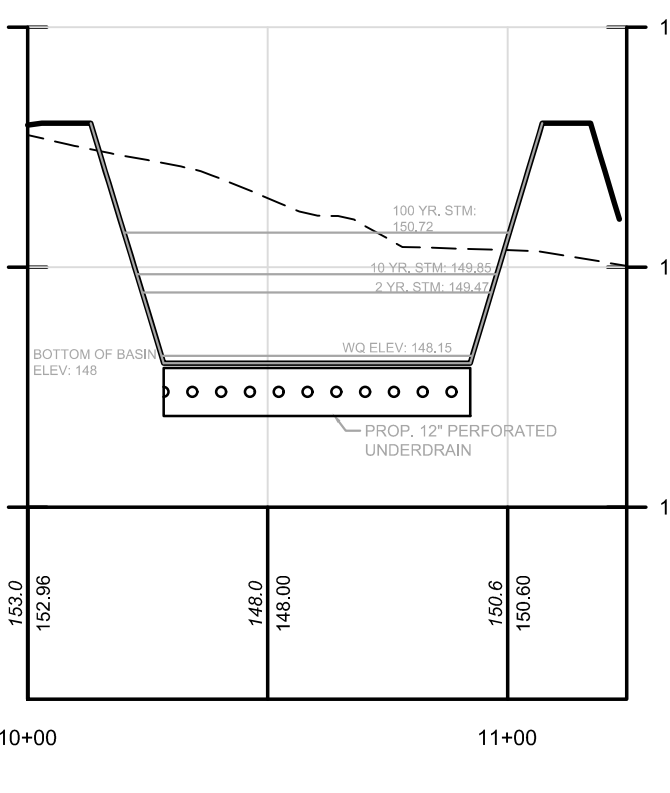
BASIN 19 PROFILE
1"=40' Horizontal
1"=4' Vertical



BASIN 20 PROFILE
1"=40' Horizontal
1"=4' Vertical



BASIN 21 PROFILE
1"=40' Horizontal
1"=4' Vertical



BASIN 22 PROFILE
1"=40' Horizontal
1"=4' Vertical

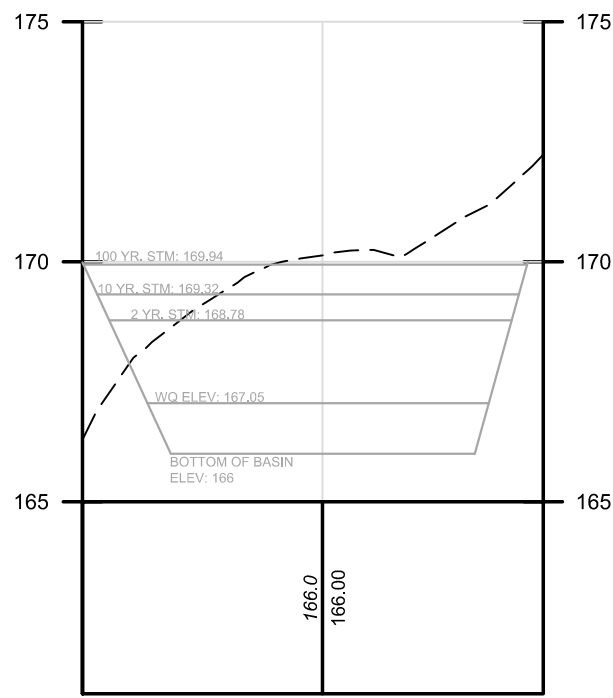
NO.	DATE	REVISION
1	08/15/25	SAO
2	08/15/25	SAO
3	08/15/25	SAO
4	08/15/25	SAO
5	08/15/25	SAO
6	08/15/25	SAO

6	REVISD PER ENGINEERING COMMENTS
5	REVISD PER ENGINEERING COMMENTS
4	REVISD PER TOWNSHIP COMMENTS
3	REVISD PER ENGINEERING REVIEW
2	REVISD PER TOWNSHIP COMMENTS
1	REVISD PER TOWNSHIP COMMENTS

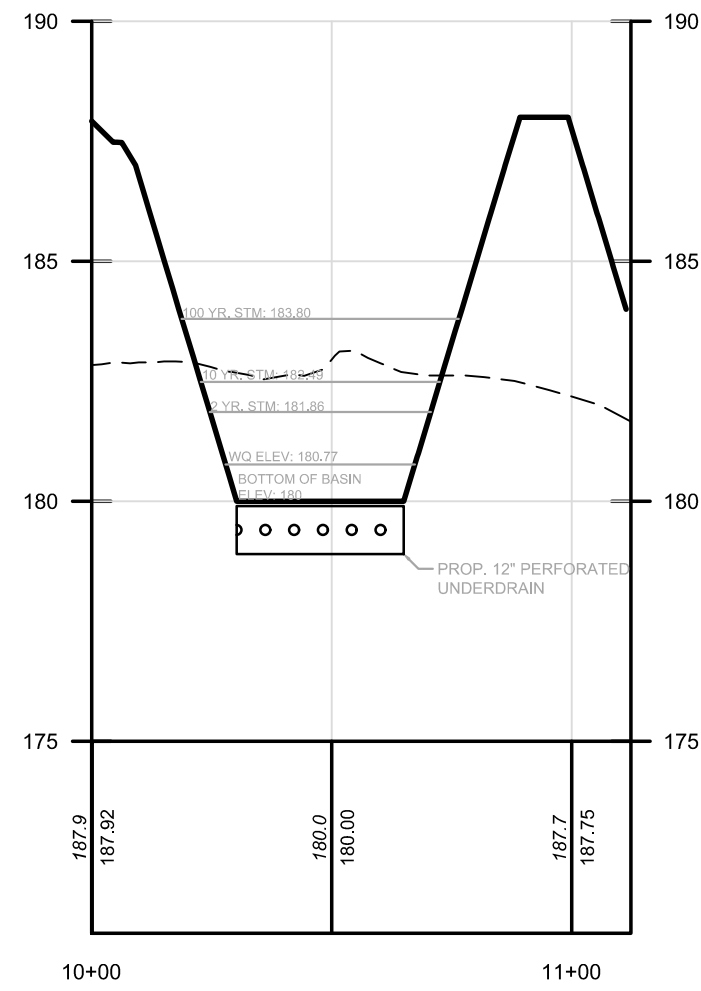
Bowman

Bowman Consulting Group Ltd
Phone: 732-665-5500
Fax: 732-665-5501
NJ Certified Professional Engineer
No. 24-0A0228005
Email: NJ@Bowman.com
Sean Delany
SEAN A. DELANY, N.J. Professional Engineer, Lic. 24060447100

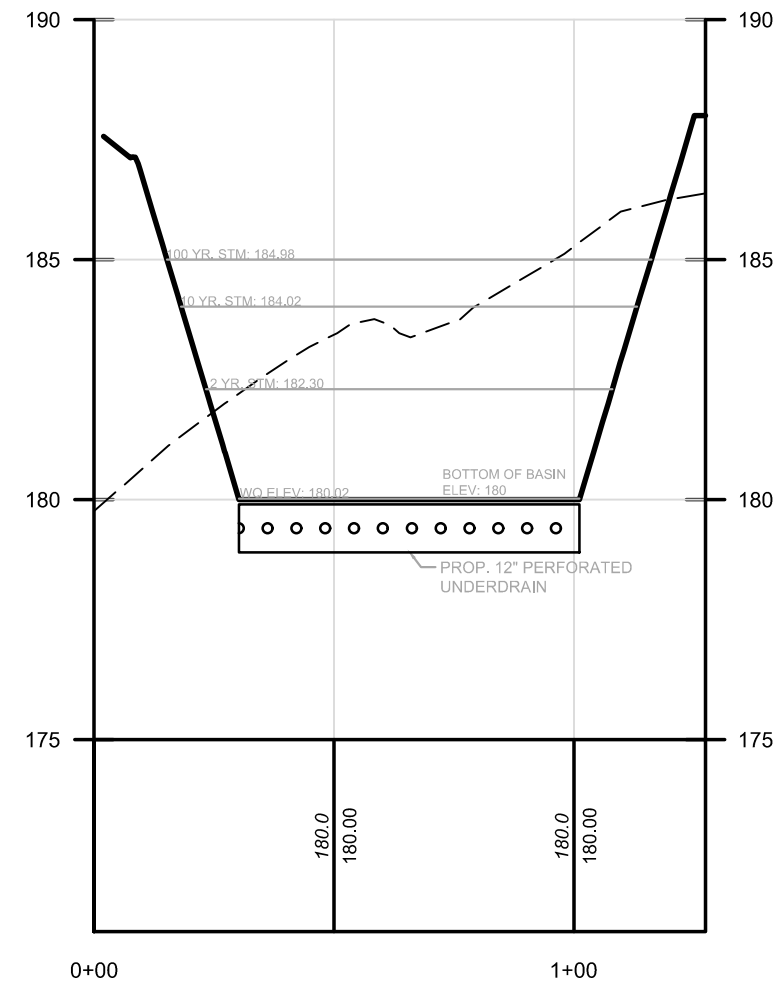
PRELIMINARY AND FINAL MAJOR SUBDIVISION &
VENUE AT HOPWELL
CONSTRUCTION DETAILS
BLOCK 89, LOTS 15, 20, 45, 51, 46 & 50
TOWNSHIP OF HOPWELL, MERCER COUNTY, NEW JERSEY



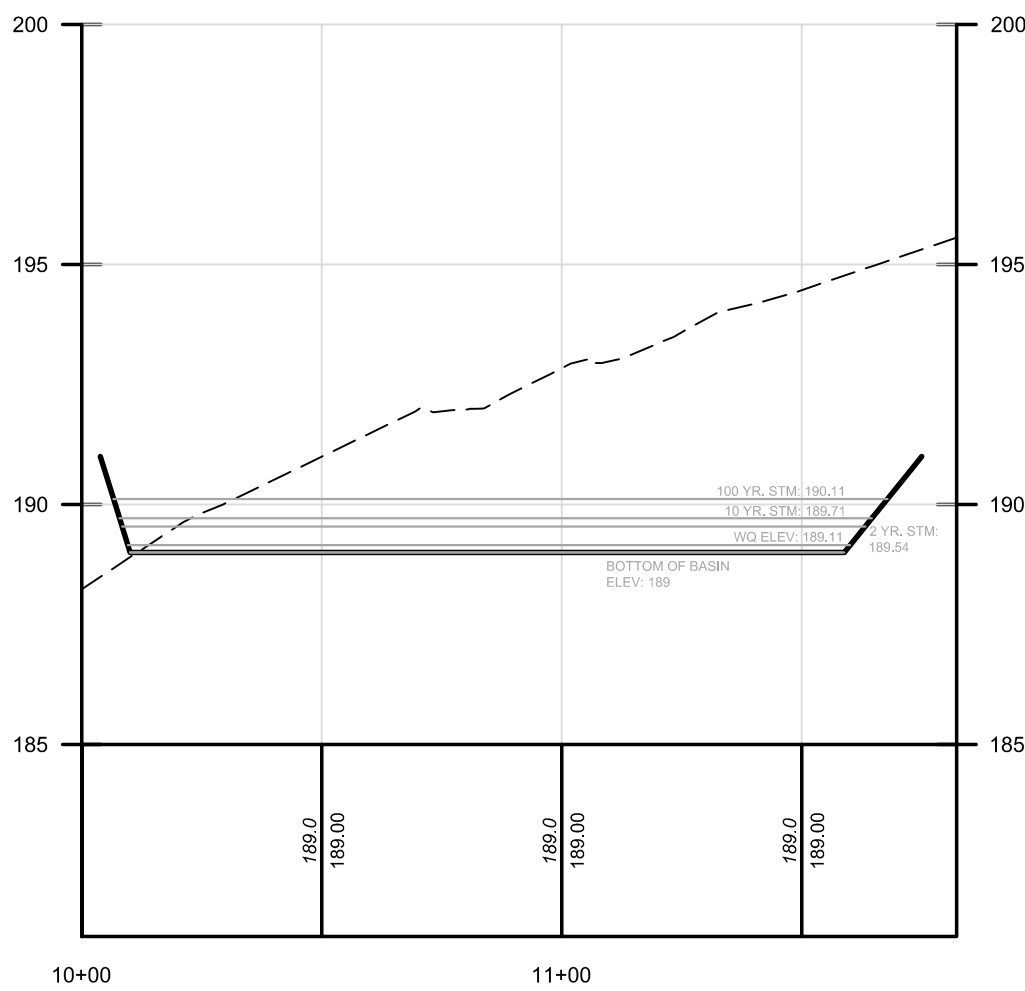
BASIN 45 PROFILE
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1"=4' Vertical



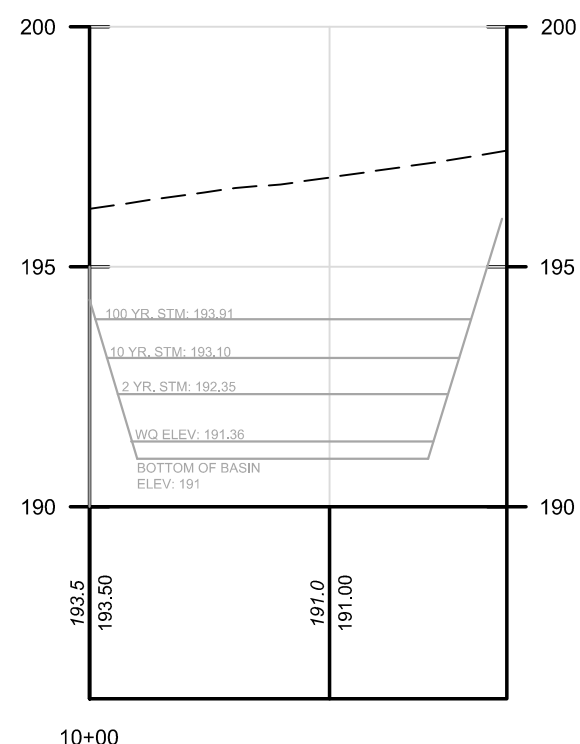
BASIN 46A PROFILE
1"=40' Horizontal
1"=4' Vertical



BASIN 46B PROFILE
1"=40' Horizontal
1"=4' Vertical



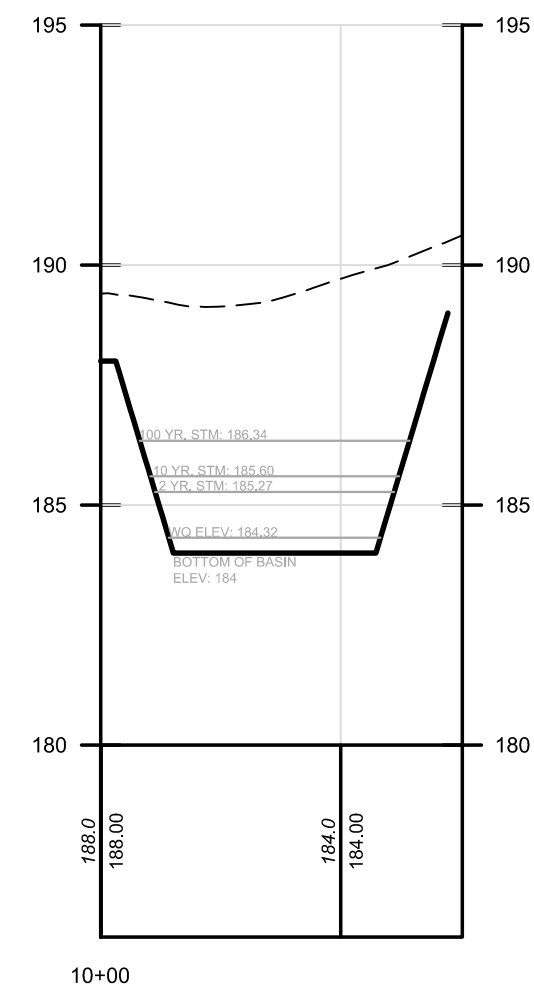
BASIN 47 PROFILE
1"=40' Horizontal
1"=4' Vertical



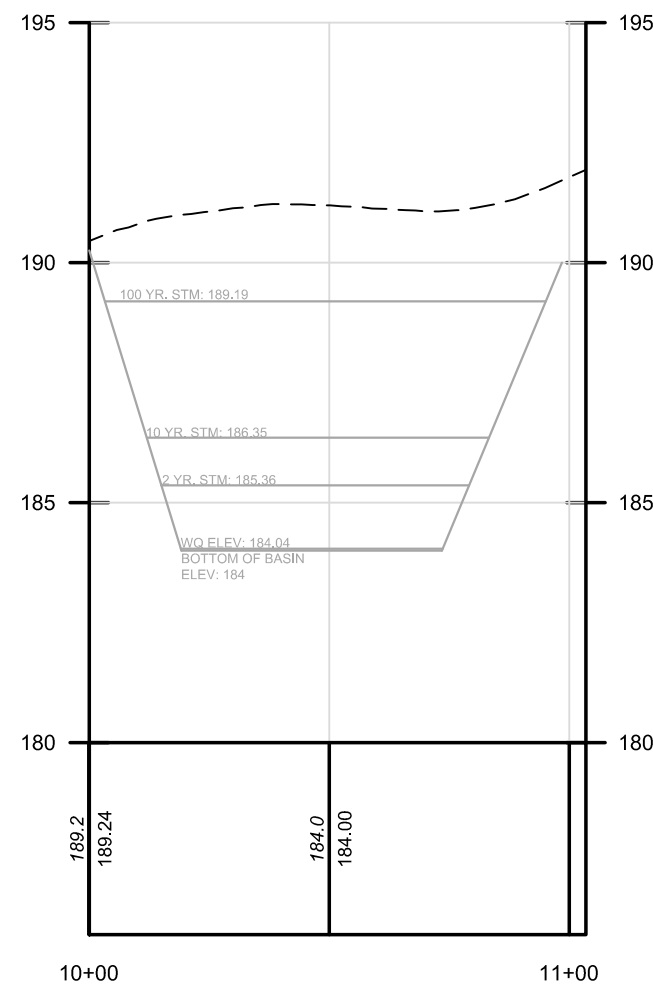
BASIN 48 PROFILE
1"=40' Horizontal
1"=4' Vertical



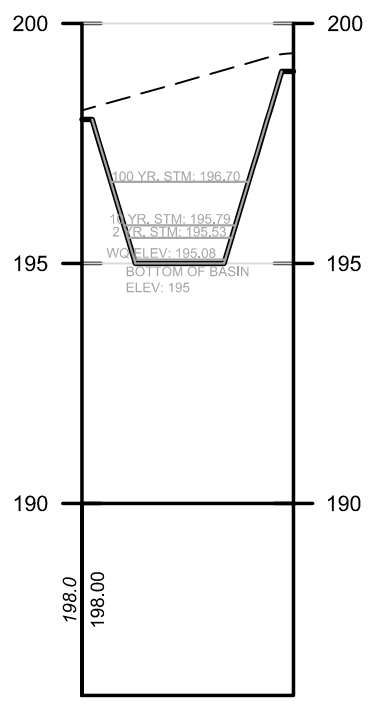
BASIN 49 PROFILE
1"=40' Horizontal
1"=4' Vertical



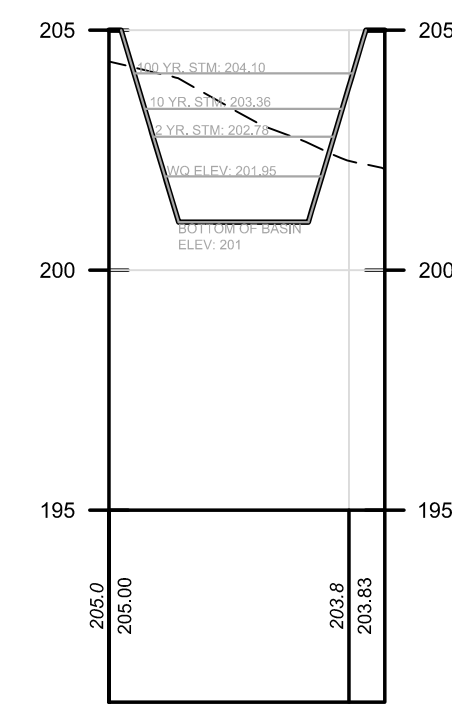
BASIN 50 PROFILE
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1"=4' Vertical



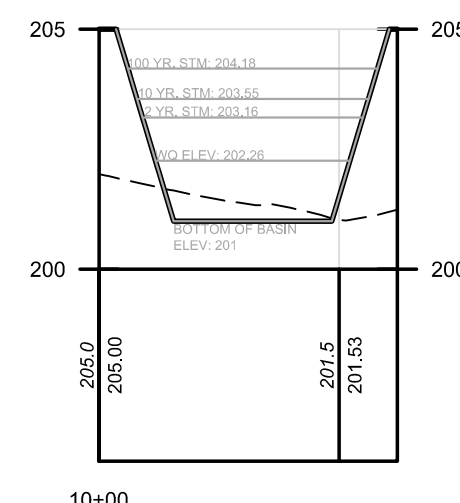
BASIN 51 PROFILE
1"=40' Horizontal
1"=4' Vertical



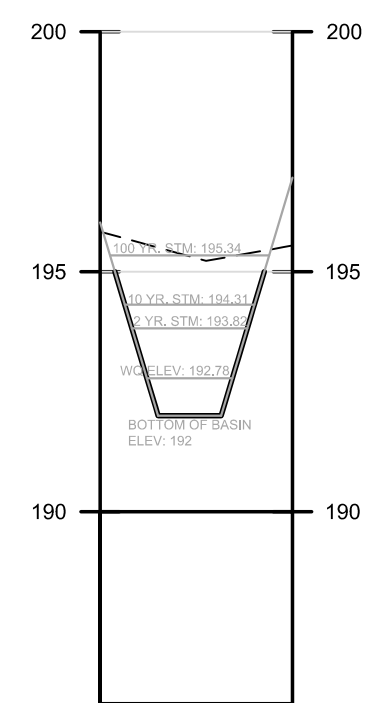
BASIN 52 PROFILE
1"=40' Horizontal
1"=4' Vertical



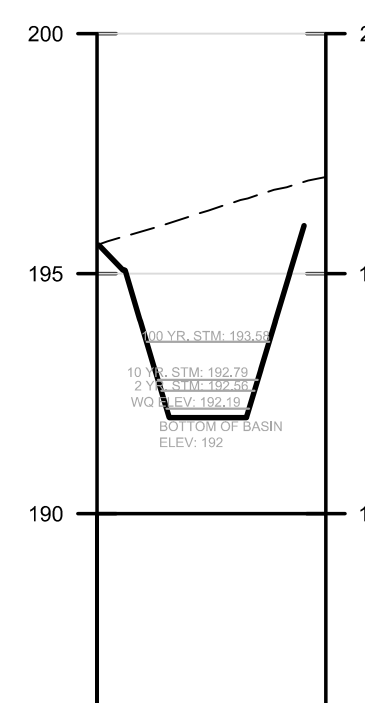
BASIN 53 PROFILE
1"=40' Horizontal
1"=4' Vertical



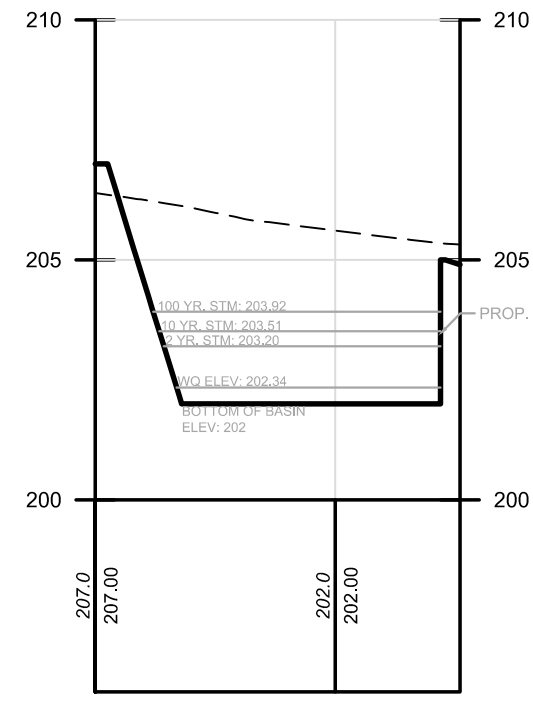
BASIN 54 PROFILE
1"=40' Horizontal
1"=4' Vertical



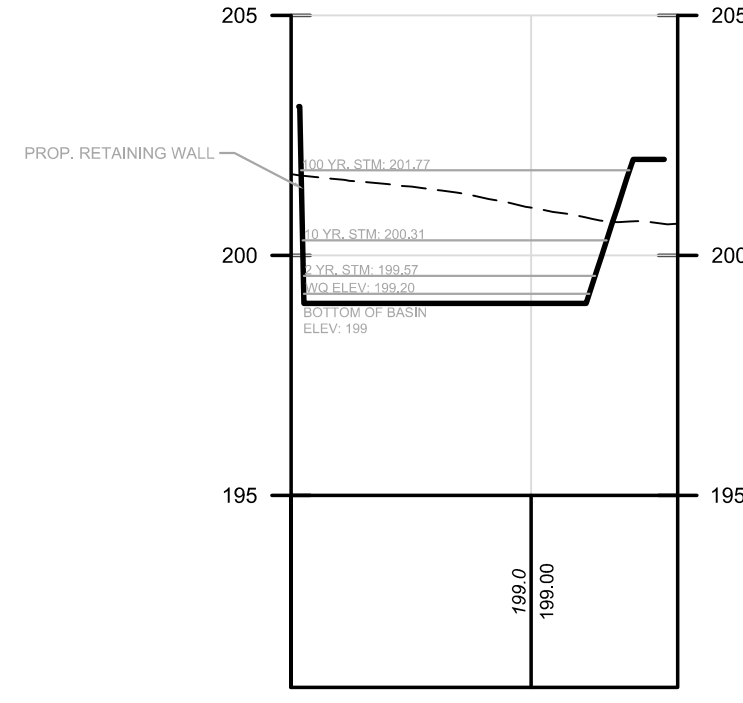
BASIN 55 PROFILE
1"=40' Horizontal
1"=4' Vertical



BASIN 56 PROFILE
1"=40' Horizontal
1"=4' Vertical



BASIN 57 PROFILE
1"=40' Horizontal
1"=4' Vertical



BASIN 58 PROFILE
1"=40' Horizontal
1"=4' Vertical