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)

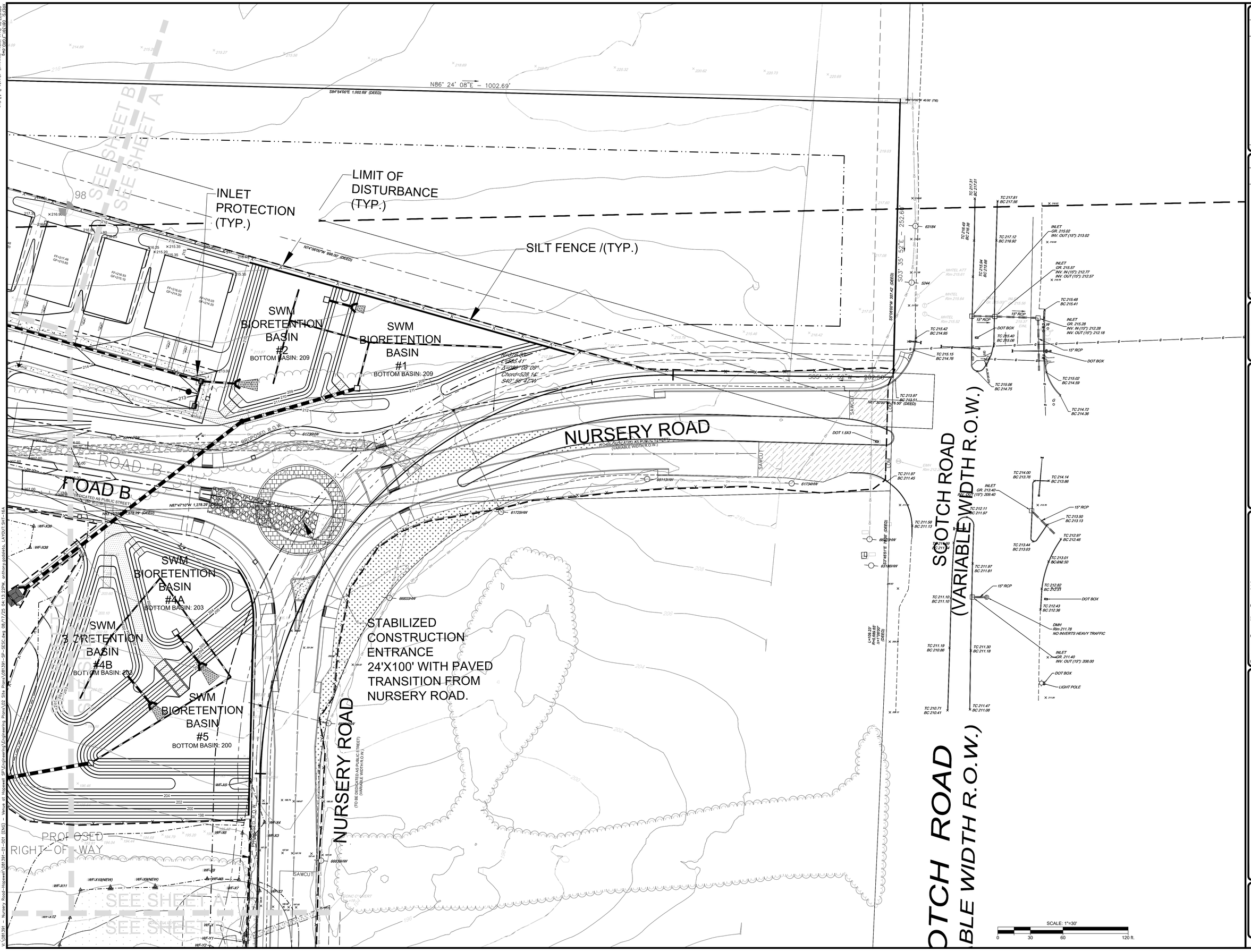
SOIL EROSION AND

SEDIMENT P.2

& CONSTRUCTION P.

16

8/18/25



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	REVISION	DATE	DWN

6	REVISED PER ENGINEERING COMMENTS	08/15/25	SAD
5	REVISED PER ENGINEERING COMMENTS	06/13/25	SAD
4	REVISED PER TOWNSHIP COMMENTS	03/31/25	SAD
3	REVISED PER ENGINEERING REVIEW	2/14/25	SAD
2	REVISED PER TOWNSHIP COMMENTS	12/18/24	SAD
1	REVISED PER PB COMPLETENESS REVIEW	09/10/24	SAD
	REVISION	DATE	DWN

PROJ. 08139-01-001
DATE: 05/16/24
DWN: SAD
CHKD: SAD

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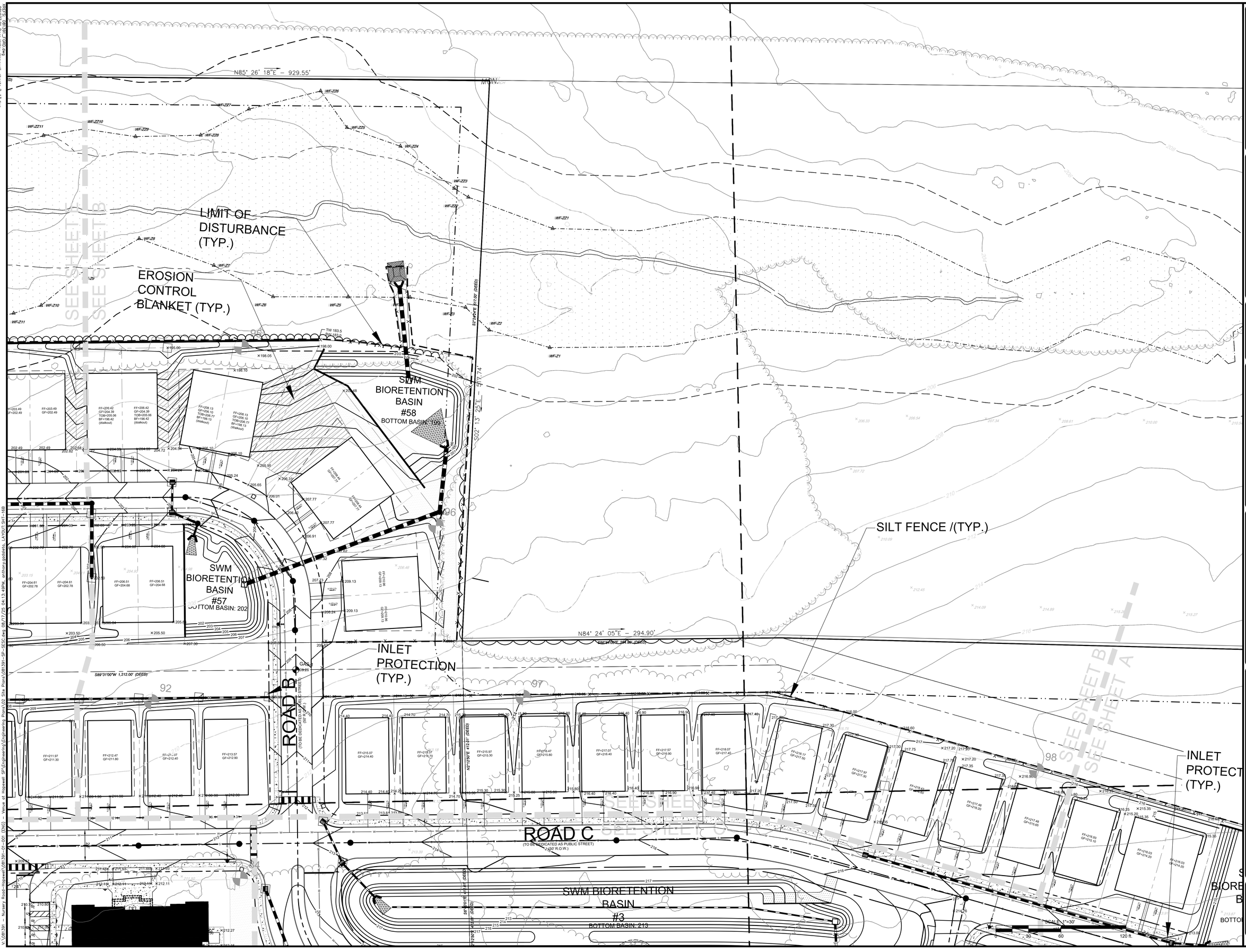
PRELIMINARY AND FINAL MAJOR SUBDIVISION & PRELIMINARY AND FINAL SITE PLAN FOR
VENUE AT HOPEWELL
SOIL EROSION AND SEDIMENT CONTROL PLAN
BLOCK 98, LOTS 9.20, 9.01, 64.01
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

SHEET No.
16A
OF



6	REVISED PER ENGINEERING COMMENTS	06/15/25	SAD
5	REVISED PER ENGINEERING COMMENTS	06/13/25	SAD
4	REVISED PER TOWNSHIP COMMENTS	03/31/25	SAD
3	REVISED PER ENGINEERING REVIEW	2/14/25	SAD
2	REVISED PER TOWNSHIP COMMENTS	12/18/24	SAD
1	REVISED PER RI COMPLETENESS REVIEW	09/10/24	SAD
	REVISION	DATE	CHKD

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	REVISION	DATE	CHKD

PROJ. 08139-01-001
DATE: 08/30/2024
CHKD: SAD

Bowman

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PRELIMINARY AND FINAL MAJOR SUBDIVISION & PRELIMINARY AND FINAL SITE PLAN FOR

VENUE AT HOPEWELL
SOIL EROSION AND SEDIMENT CONTROL PLAN

BLOCK 91.03, LOTS 39.20, 45.01, 46 & 90
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

SHEET No.
16B
OF

ROAD C
(TO BE DEDICATED AS PUBLIC STREET)
(80' R.O.W.)

SWM BIORETENTION BASIN #3
BOTTOM BASIN: 213

ROAD B
(TO BE DEDICATED AS PUBLIC STREET)
(80' R.O.W.)

ROAD 12
(TO BE DEDICATED AS PUBLIC STREET)
(50' R.O.W.)

LIMIT OF DISTURBANCE (TYP.)

SILT FENCE /(TYP.)

INLET PROTECTION (TYP.)

SWM BIORETENTION BASIN #4A
BOTTOM BASIN: 203

SWM BIORETENTION BASIN #4B
BOTTOM BASIN: 202

SWM BIORETENTION BASIN #5
BOTTOM BASIN: 200

PROPOSED RIGHT-OF-WAY

BLOCK 93
LOT 20
(DB 3907, PG136)

SEE SHEET B

SEE SHEET A

SCALE: 1"=30'

No.	REVISION	DATE	DWN
12			
11			
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6	REVISED PER ENGINEERING COMMENTS	08/15/25	SAD
5	REVISED PER ENGINEERING COMMENTS	06/13/25	SAD
4	REVISED PER TOWNSHIP COMMENTS	03/31/25	SAD
3	REVISED PER ENGINEERING REVIEW	2/14/25	SAD
2	REVISED PER TOWNSHIP COMMENTS	12/18/24	SAD
1	REVISED PER PB COMPLETENESS REVIEW	09/10/24	SAD

PROJ. 08139-01-001
DATE: 8/30/2024
CHKD: SAD

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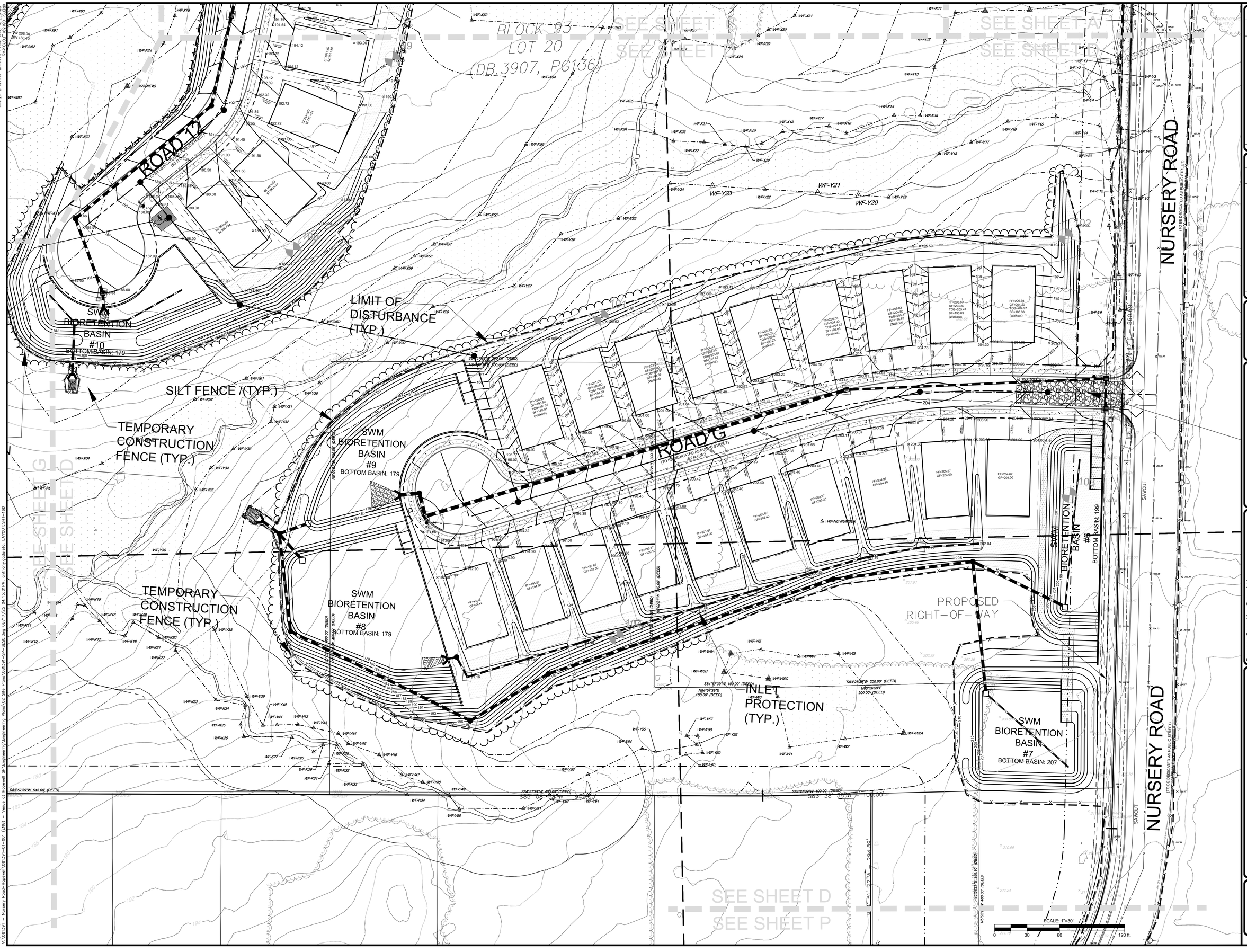
PRELIMINARY AND FINAL MAJOR SUBDIVISION & PRELIMINARY AND FINAL SITE PLAN FOR
VENUE AT HOPEWELL
SOIL EROSION AND SEDIMENT CONTROL PLAN
BLOCK 94, LOTS 19.01, 19.02, 19.03, 19.04, 19.05
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

SHEET No.
16C
OF



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5	REVISED PER ENGINEERING COMMENTS	06/13/24	SAD
4	REVISED PER TOWNSHIP COMMENTS	03/31/24	SAD
3	REVISED PER ENGINEERING REVIEW	2/14/24	SAD
2	REVISED PER TOWNSHIP COMMENTS	12/18/24	SAD
1	REVISED PER PB COMPLETENESS REVIEW	09/10/24	SAD
	REVISION	DATE	CHKD

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	REVISION	DATE	CHKD

PROJ. 08139.1-01-001
DATE: 07/25/2024
CHKD: SAD

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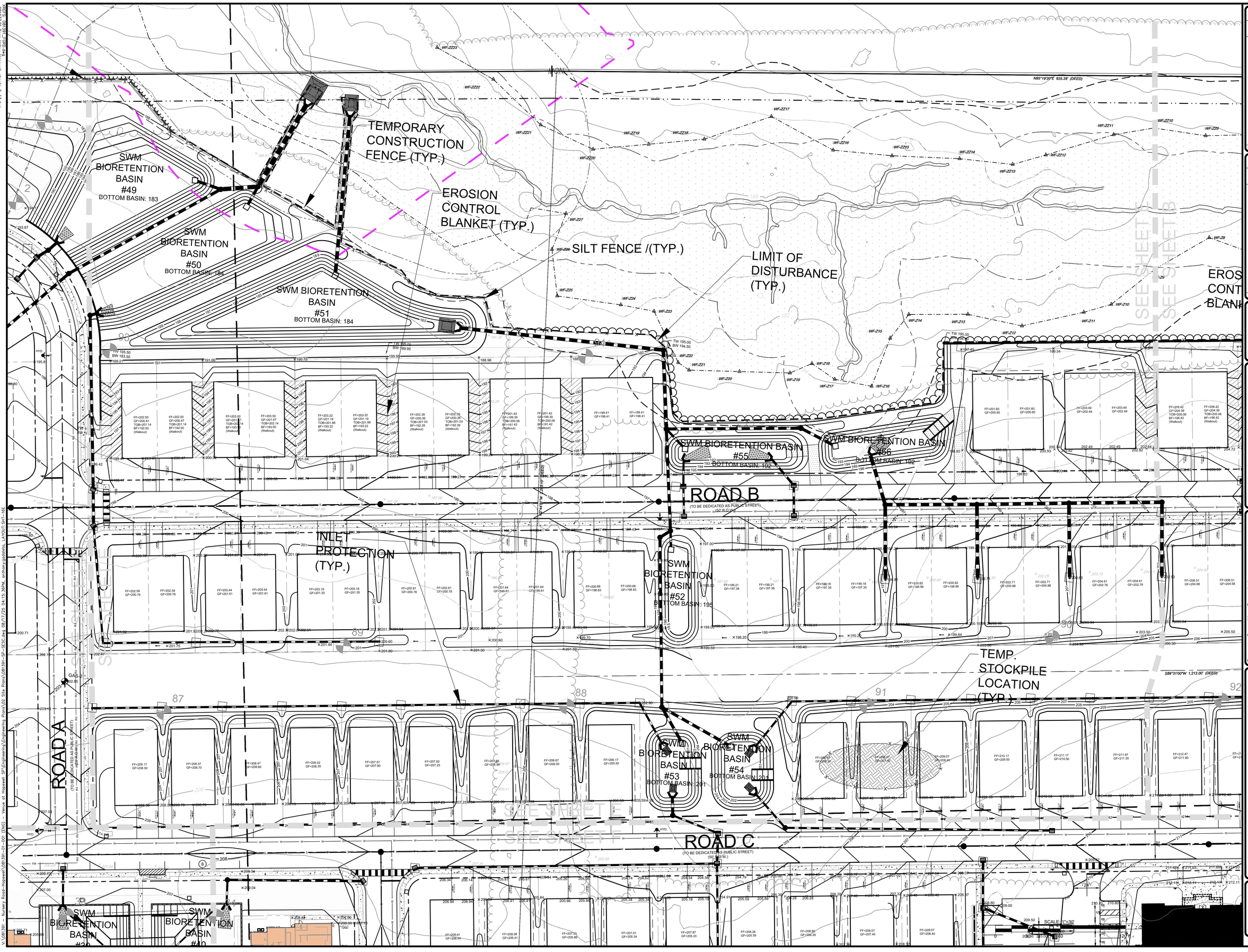
PRELIMINARY AND FINAL MAJOR SUBDIVISION & PRELIMINARY AND FINAL SITE PLAN FOR
VENUE AT HOPEWELL
SOIL EROSION AND SEDIMENT CONTROL PLAN
BLOCK 93, LOTS 19, 20, 50.01, 48 & 49
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

SHEET No.
16D
OF



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5	06/13/25	SAD
4	03/31/25	SAD
3	2/14/25	SAD
2	12/18/24	SAD
1	09/10/24	SAD

REVISIONS

6 REVISED PER ENGINEERING COMMENTS
5 REVISED PER ENGINEERING COMMENTS
4 REVISED PER TOWNSHIP COMMENTS
3 REVISED PER ENGINEERING REVIEW
2 REVISED PER TOWNSHIP COMMENTS
1 REVISED PER PB COMPLETENESS REVIEW

PROJ. 08139.1-01-001
DATE: 09/10/2024
DWN: SAD
CHKD: SAD

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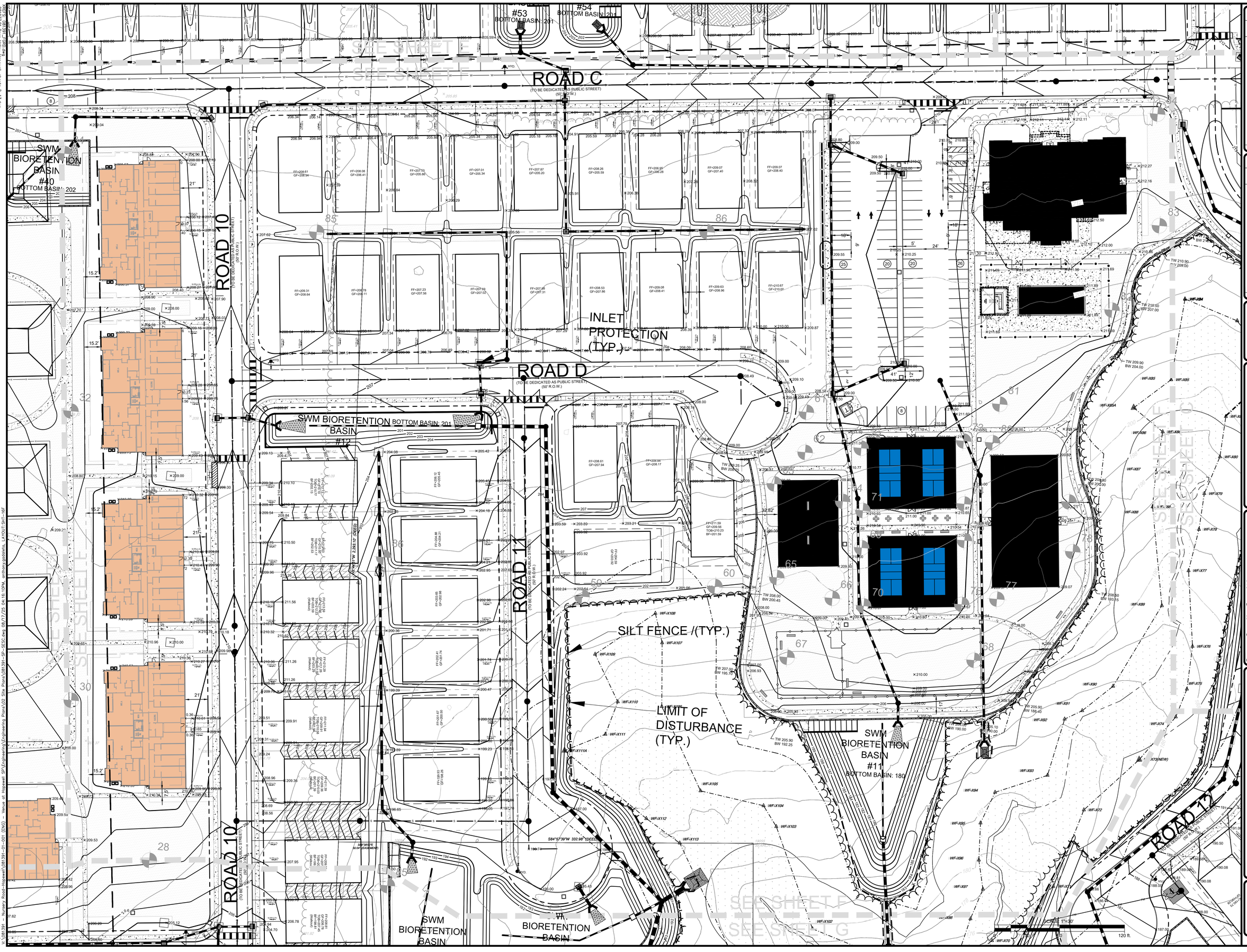
PRELIMINARY AND FINAL MAJOR SUBDIVISION &
PRELIMINARY AND FINAL SITE PLAN FOR
VENUE AT HOPEWELL
SOIL EROSION AND SEDIMENT CONTROL PLAN
BLOCK 58, LOTS 9, 24.01, 44.01, 44.02
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

SHEET No.
16E
OF



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3	2/14/23	SAD	REVISED PER ENGINEERING REVIEW
2	12/18/24	SAD	REVISED PER TOWNSHIP COMMENTS
1	09/10/24	SAD	REVISED PER PB COMPLETENESS REVIEW

PROJ. 08139 1-01-001
DATE: 08/16/2024
CHKD: SAD

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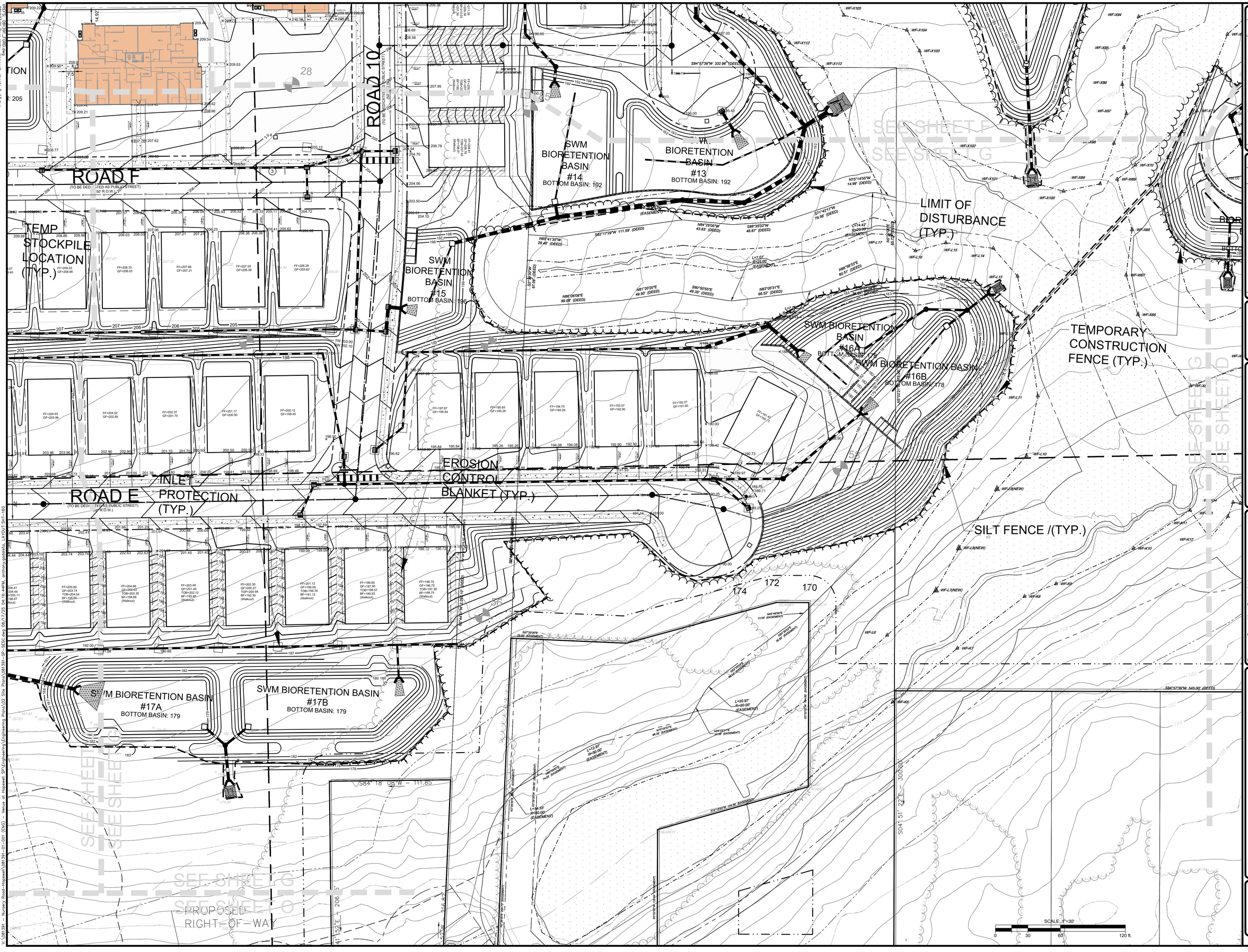
PRELIMINARY AND FINAL MAJOR SUBDIVISION & PRELIMINARY AND FINAL SITE PLAN FOR

VENUE AT HOPEWELL
SOIL EROSION AND SEDIMENT CONTROL PLAN

BLOCK 58, LOTS 9.20, 9.01, 44 & 60
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

SHEET No.
16F
OF



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3	REVISED PER ENGINEERING REVIEW	2/14/25	SAD
2	REVISED PER TOWNSHIP COMMENTS	12/18/24	SAD
1	REVISED PER PB COMPLETENESS REVIEW	09/10/24	SAD
REVISION		DATE	DWN

PROJ. 08139.01-001
DATE: 06/17/24
DWN: SAD

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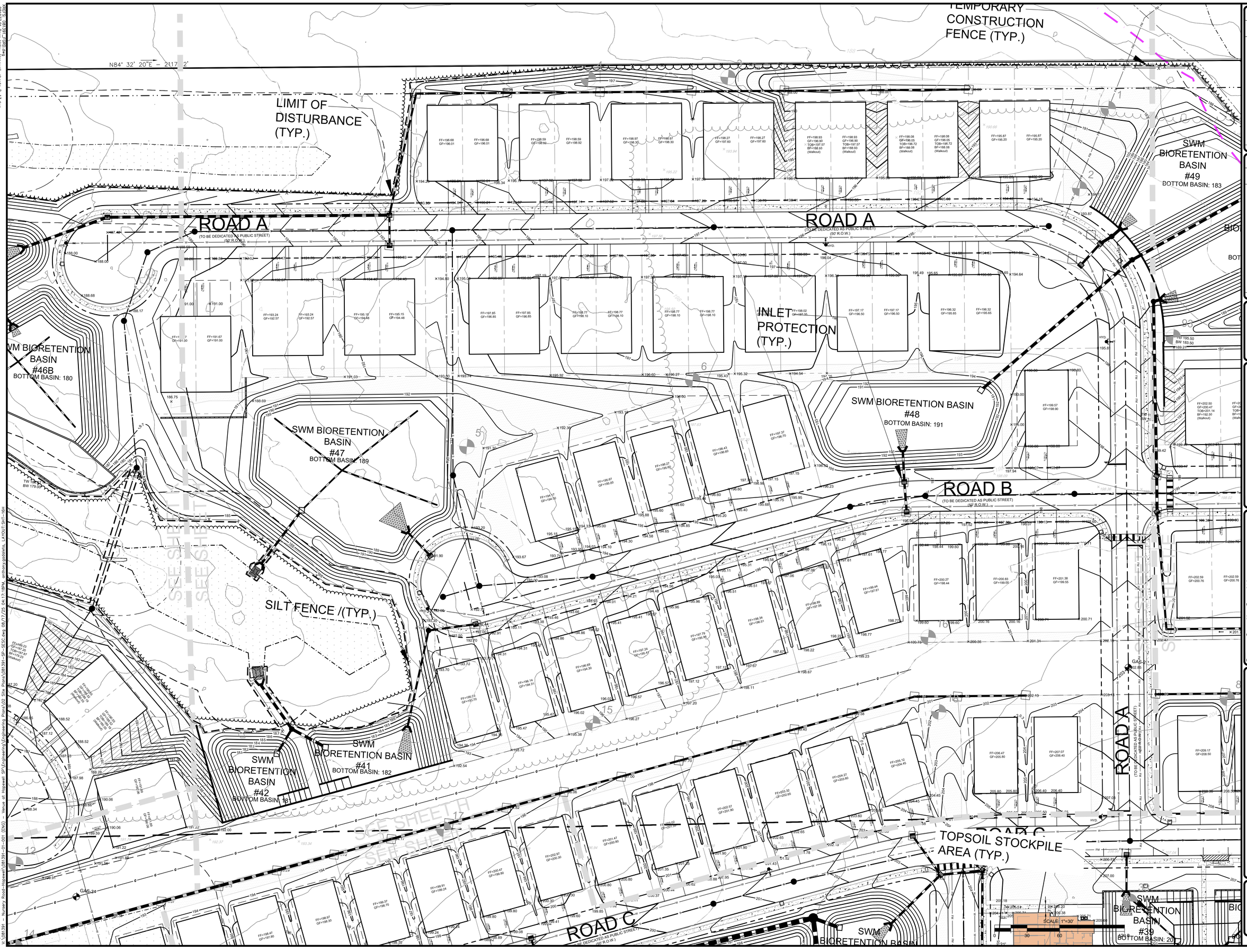
PRELIMINARY AND FINAL MAJOR SUBDIVISION &
PRELIMINARY AND FINAL SITE PLAN FOR
VENUE AT HOPEWELL
SOIL EROSION AND SEDIMENT CONTROL PLAN
BLOCK 56, LOTS 15 & 24.01, 44 & 80
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

SHEET No.
16G
OF



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3	REVISED PER ENGINEERING REVIEW	SAD	2/14/25
2	REVISED PER TOWNSHIP COMMENTS	SAD	12/18/24
1	REVISED PER RIR COMPLETENESS REVIEW	SAD	09/10/24
REVISION			DATE

PROJ. 08139-01-001
DATE 06/20/24
CHKD. SAD

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PRELIMINARY AND FINAL MAJOR SUBDIVISION & PRELIMINARY AND FINAL SITE PLAN FOR

VENUE AT HOPEWELL
SOIL EROSION AND SEDIMENT CONTROL PLAN

BLOCK 61, LOTS 19.01, 19.02, 19.03, 46 & 49
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

SHEET No.
16H
OF

SWM BIORETENTION BASIN #42
BOTTOM BASIN: 181

#41
BOTTOM BASIN: 182

ROAD C
(TO BE DEDICATED AS PUBLIC STREET)
(50' R.O.W.)

SWM BIORETENTION BASIN #37B
BOTTOM BASIN: 194

SWM BIORETENTION BASIN #37A
BOTTOM BASIN: 194

TOPSOIL STOCKPILE AREA (TYP.)

SWM BIORETENTION BASIN #39
BOTTOM BASIN: 201

SWM BIORETENTION BASIN #40
BOTTOM BASIN: 202

SOIL STOCKPILE AREA (TYP.)

SWM BIORETENTION BASIN #36B
BOTTOM BASIN: 191

SWM BIORETENTION BASIN #36A
BOTTOM BASIN: 191

SWM BIORETENTION BASIN #35
BOTTOM BASIN: 193

SWM BIORETENTION BASIN #34
BOTTOM BASIN: 191

ROAD 9
(TO BE DEDICATED AS PUBLIC STREET)
(50' R.O.W.)

ROAD 6
(TO BE DEDICATED AS PUBLIC STREET)
(50' R.O.W.)

SWM BIORETENTION BASIN #38
BOTTOM BASIN: 205

SEE SHEET

SCALE: 1"=30'

REVISION			
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6	REVISED PER ENGINEERING COMMENTS	08/15/25	SAD
5	REVISED PER ENGINEERING COMMENTS	06/13/25	SAD
4	REVISED PER TOWNSHIP COMMENTS	03/31/25	SAD
3	REVISED PER ENGINEERING REVIEW	2/14/25	SAD
2	REVISED PER TOWNSHIP COMMENTS	12/18/24	SAD
1	REVISED PER PB COMPLETENESS REVIEW	09/10/24	SAD
	REVISION	DATE	CHKD

PROJ. 08191-01-001
DATE: 08/16/2024
CHKD. SAD

Bowman

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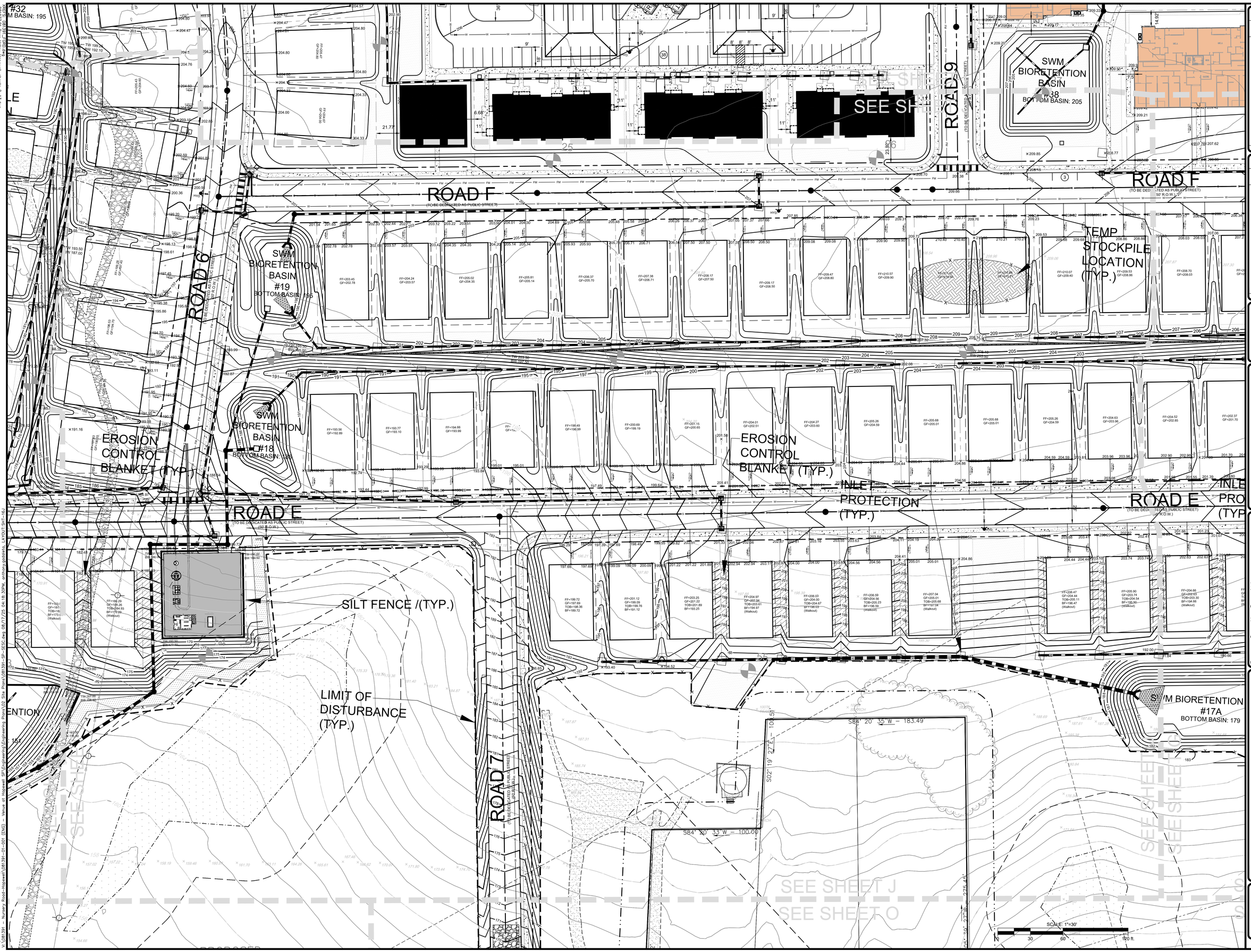
PRELIMINARY AND FINAL MAJOR SUBDIVISION & PRELIMINARY AND FINAL SITE PLAN FOR
VENUE AT HOPEWELL
SOIL EROSION AND SEDIMENT CONTROL PLAN
BLOCK 61, LOTS 19.01, 19.02, 19.03, & 19.04
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

SHEET No.
16I
OF



REVISION	DATE	DWN
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2 REVISED PER TOWNSHIP COMMENTS	12/18/24	SAD
1 REVISED PER PB COMPLETENESS REVIEW	09/10/24	SAD

PROJ. 08139.1-01-001
DATE: 11/15/2024
CHKD: SAD

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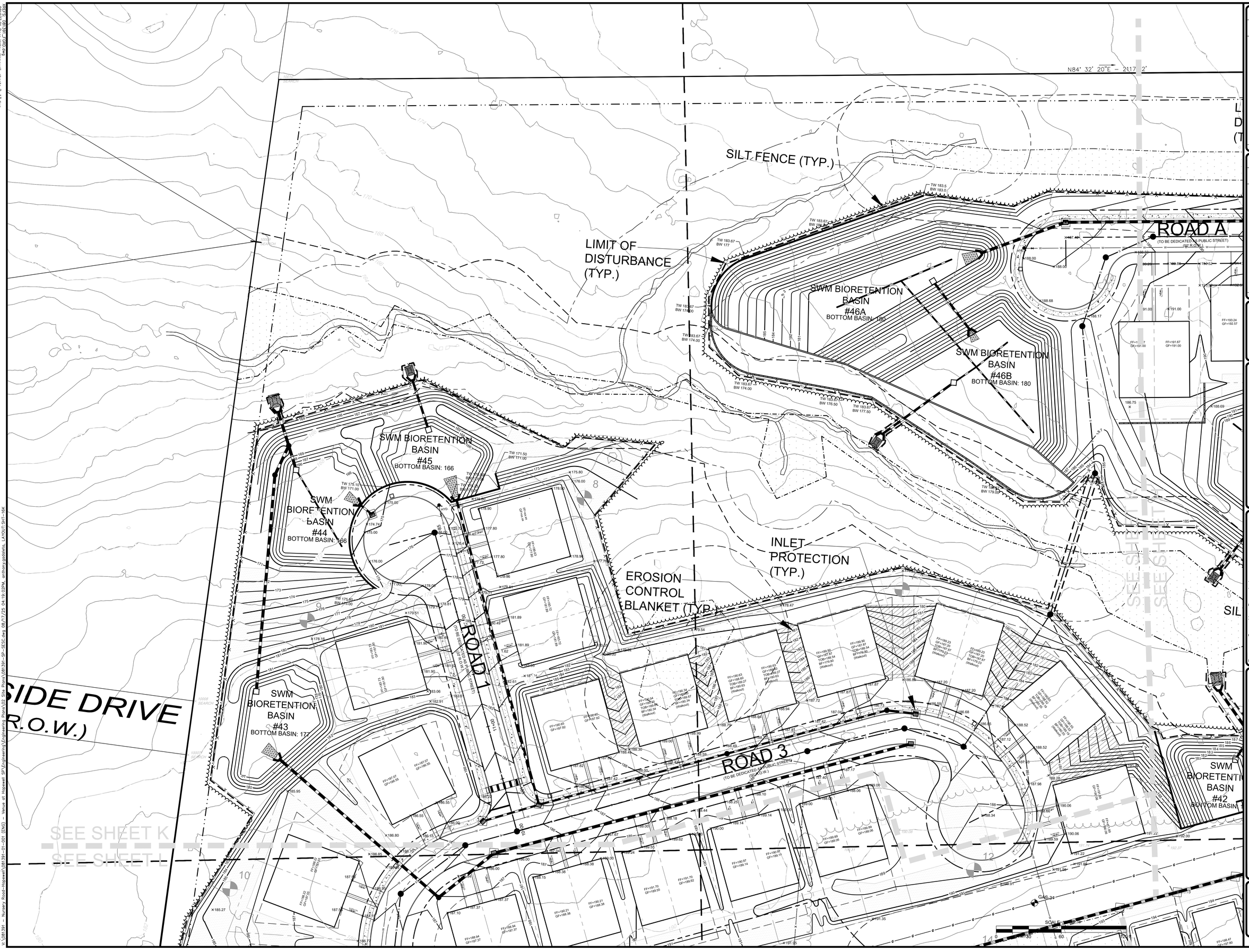
PRELIMINARY AND FINAL MAJOR SUBDIVISION & PRELIMINARY AND FINAL SITE PLAN FOR
VENUE AT HOPEWELL
SOIL EROSION AND SEDIMENT CONTROL PLAN
BLOCK 58.01, LOTS 9.02, 9.03, 44.01, 44.02
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

SHEET No.
16J
OF



REVISION	DATE	DWN
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2 REVISED PER TOWNSHIP COMMENTS	12/18/24	SAD
1 REVISED PER PB COMPLETENESS REVIEW	09/10/24	SAD

PROJ. 08139.1-01-001
DATE: 8/16/2024
DWN: SAD
CHKD: SAD

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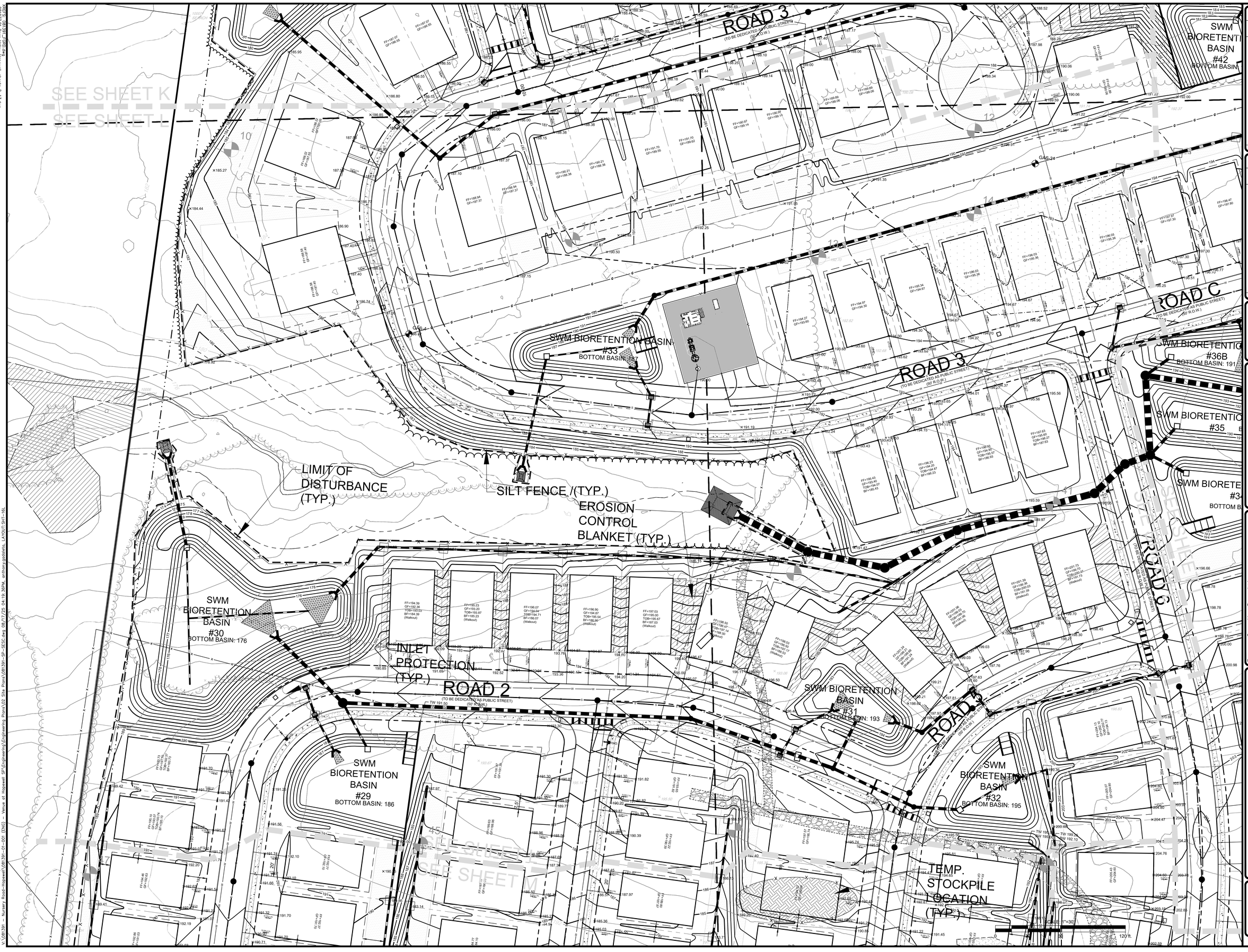
PRELIMINARY AND FINAL MAJOR SUBDIVISION & PRELIMINARY AND FINAL SITE PLAN FOR
VENUE AT HOPEWELL
SOIL EROSION AND SEDIMENT CONTROL PLAN
BLOCK 56, LOTS 19.02, 19.03, 46 & 50
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

SHEET No.
16K
OF



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REVISION

	REVISION	DATE	DRWN
6	REVISED PER ENGINEERING COMMENTS	08/15/25	SAD
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2	REVISED PER TOWNSHIP COMMENTS	12/18/24	SAD
1	REVISED PER PB COMPLETENESS REVIEW	09/10/24	SAD

PROJ. 081391-01-001
DATE: 08/08/2024
DRWN: SAD

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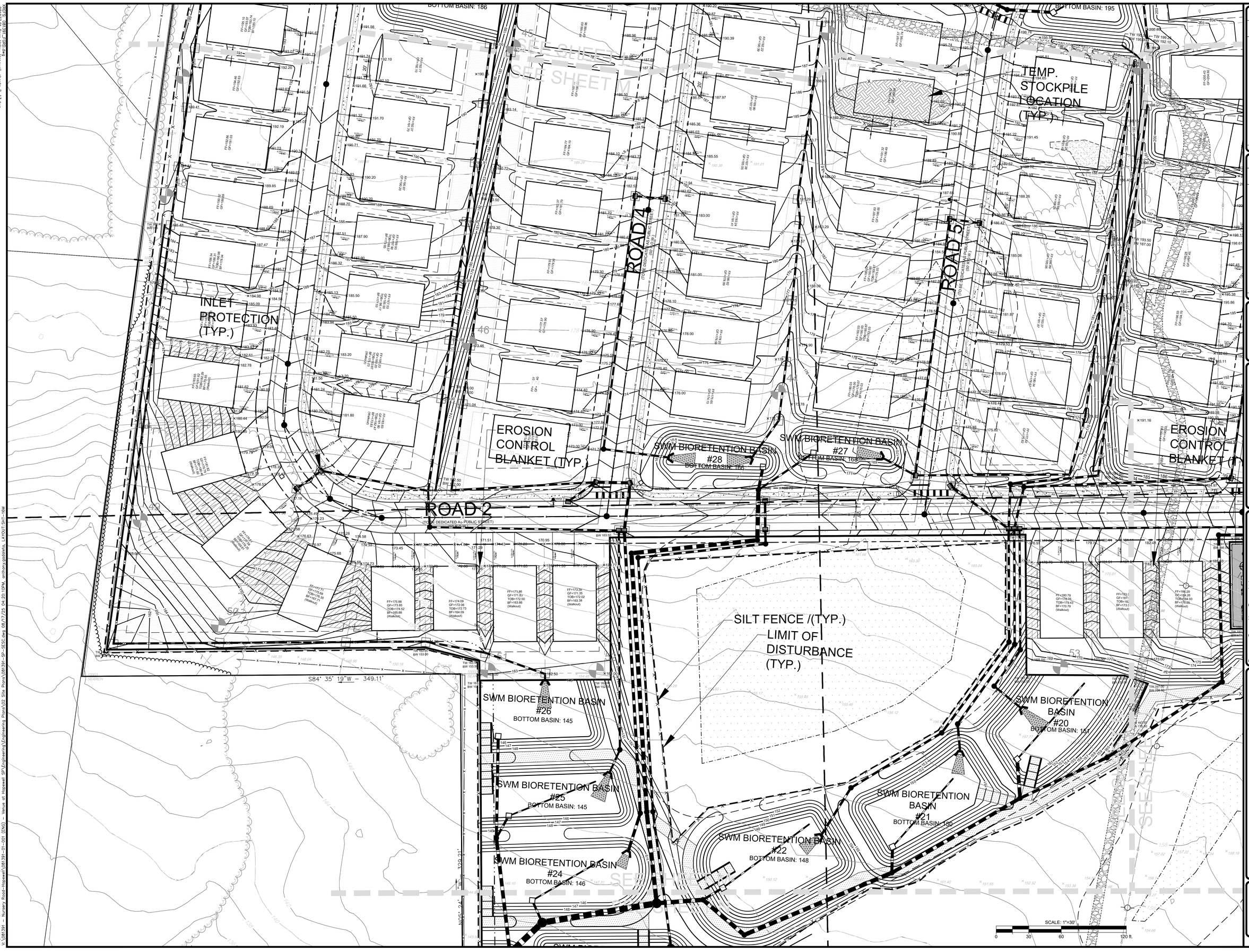
PRELIMINARY AND FINAL MAJOR SUBDIVISION & PRELIMINARY AND FINAL SITE PLAN FOR

VENUE AT HOPEWELL

SOIL EROSION AND SEDIMENT CONTROL PLAN

BLOCK 56, LOTS 19, 20, 25.01, 56.01
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

SHEET No.
16L
OF



No.	Date	Revision
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6	08/15/24	REVISED PER ENGINEERING COMMENTS
5	06/13/24	REVISED PER ENGINEERING COMMENTS
4	03/31/23	REVISED PER TOWNSHIP COMMENTS
3	2/14/23	REVISED PER ENGINEERING REVIEW
2	12/18/24	REVISED PER TOWNSHIP COMMENTS
1	09/10/24	REVISED PER PB COMPLETENESS REVIEW

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

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PRELIMINARY AND FINAL MAJOR SUBDIVISION &
PRELIMINARY AND FINAL SITE PLAN FOR
VENUE AT HOPEWELL
SOIL EROSION AND SEDIMENT CONTROL PLAN
BLOCK 58, LOTS 19 & 46.01, 44 & 61
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

SHEET No.
16M
OF

#24
BOTTOM BASIN: 146

SWM BIORETENTION BASIN
#23
BOTTOM BASIN: 145

PROPOSED
RIGHT-OF-WAY

PROPOSED R.O.W.
LIMIT OF GRADING
S84° 4' 23" W – 1150.19
12" PIPE
SAWCUT

NURSERY ROAD
(TO BE DEDICATED AS PUBLIC STREET)
(VARIABLE WIDTH R.O.W.)

NURSERY ROAD
(A.K.A. MERCER COUNTY ROUTE #647)

SILT FENCE /(TYP.)

LIMIT OF
DISTURBANCE
(TYP.)

SEE SHEET J
SEE SHEET O

INLET
PROTECTION
(TYP.)

S02° 19' 27" E – 176.82'
N05° 30' 27" W – 275.43'
S05° 41' 53" E – 206.3'
S84° 04' 20" W – 390.34

LIGHT POLE

NURSERY ROAD
(TO BE DEDICATED AS PUBLIC STREET)
(VARIABLE WIDTH R.O.W.)

LIMIT OF
MILLING

STABILIZED
CONSTRUCTION
ENTRANCE
24'X100'

SILT FENCE /(TYP.)

NURSERY ROAD
(A.K.A. MERCER COUNTY ROUTE #647)
(VARIABLE WIDTH R.O.W.)

LIMIT OF
DISTURBANCE
(TYP.)

SEE SHEET P

LIMIT OF
DISTURBANCE
(TYP.)

SILT FENCE /(TYP.)

NURSERY ROAD
(TO BE DEDICATED AS PUBLIC STREET)
(VARIABLE WIDTH R.O.W.)

LIMIT OF
MILLING

SCALE: 1"=30'
0 30 60 120 ft.

No.	REVISION	DATE	CHKD
6	REVISED PER ENGINEERING COMMENTS	08/15/24	SAD
5	REVISED PER ENGINEERING COMMENTS	06/13/24	SAD
4	REVISED PER TOWNSHIP COMMENTS	03/31/24	SAD
3	REVISED PER ENGINEERING REVIEW	2/14/24	SAD
2	REVISED PER TOWNSHIP COMMENTS	12/18/24	SAD
1	REVISED PER PB COMPLETENESS REVIEW	09/10/24	SAD

PROJ. 08139.1-01-001
DWG. 08139.1-01-001
CHKD. SAD

Bowman

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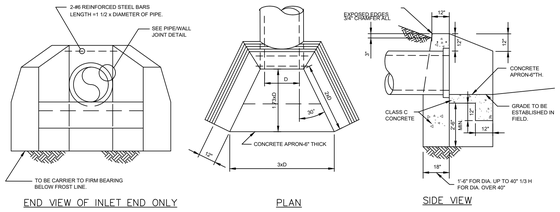
NJ Certificate of Authorization
No: 24GA28022600

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

PRELIMINARY AND FINAL MAJOR SUBDIVISION &
PRELIMINARY AND FINAL SITE PLAN FOR
VENUE AT HOPEWELL
SOIL EROSION AND SEDIMENT CONTROL PLAN
BLOCK 16, LOTS 19.02, 20.01, 46 & 49
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

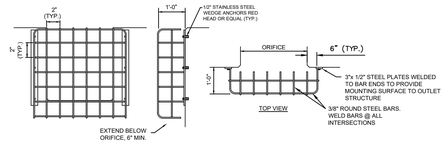
SHEET No.
16N
OF



HEADWALLS IN CUBIC YARDS			
PIPE SIZE	CORR. STEEL PIPE IN C.Y.	REIN. CONC. PIPE IN C.Y.	APRONS IN C.Y.
12"	1.4	1.4	0.2
15"	1.7	1.7	0.2
18"	2.1	2.1	0.3
21"	2.5	2.5	0.4
24"	2.9	2.9	0.5
27"	3.3	3.4	0.6
30"	3.7	3.8	0.7
36"	4.7	4.8	0.9
42"	5.8	6.3	1.2
48"	7.6	8.4	1.5
54"	9.7	10.7	1.8
60"	12.2	13.4	2.1
66"	15.0	16.4	2.5
72"	18.1	19.9	3.0

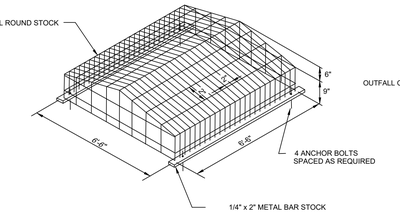
GENERAL NOTES
1. ALL EDGES TO BE CHAMFERED 1".
2. THE RUBBING OF HEADWALLS TO REMOVE FORM MARKS AS REQUIRED IN SUBSECTIONS 501.14 FOR CONCRETE STRUCTURES, WILL NOT BE REQUIRED FOR HEADWALLS AT THE BOTTOM OF EMBANKMENTS IN RURAL AREAS.
3. FOR SLOPE DRAIN HEADWALLS, DIMENSIONS AND APRON GRADES SHALL BE SET BY ENGINEER.
4. FOR MORE THAN ONE PIPE, SET THE PIPES A MINIMUM OF ONE FOOT APART (OUTSIDE BARREL TO OUTSIDE BARREL). THERE SHALL BE 12" ABOVE THE TOP OF A PIPE IN A WINGWALL. THE TERMINUS OF THE WINGWALL SHALL BE 2D FROM THE CENTERLINE OF THE PIPE IN A WINGWALL.
5. THE TERMINUS FOR OUTLET AND INLET APRONS SHALL BE SET BY EXTENDING THE PIPE GRADE AHEAD AND BACK, RESPECTIVELY.
6. FOR ARCH PIPE, THE SPAN SHALL BE SUBSTITUTED FOR D.
7. IF PRECAST HEADWALLS ARE TO BE USED, SHOP DRAWINGS OF THE UNITS SHALL BE PROVIDED TO THE ENGINEER FOR REVIEW AND APPROVAL.

PRECAST CONCRETE HEADWALL WITH WINGWALLS
NOT TO SCALE



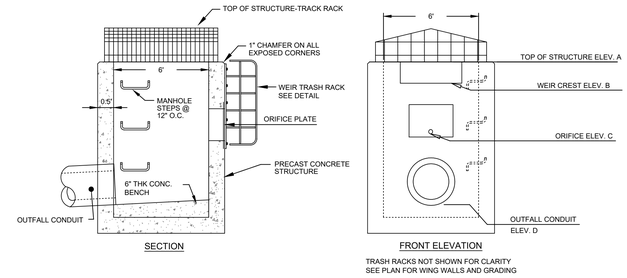
NOTES:
1. ALL JOINTS SHALL BE WELDED.
2. ALL METAL SHALL CONSIST OF STAINLESS STEEL OR GALVANIZED STEEL.

ORIFICE TRASH RACK DETAIL
NOT TO SCALE



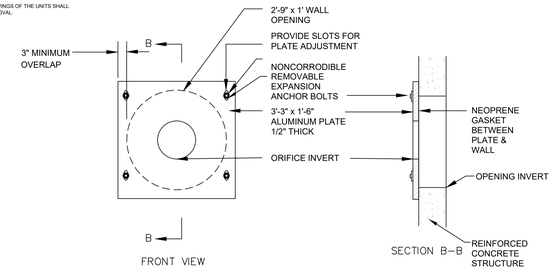
NOTES:
1. ALL JOINTS SHALL BE WELDED.
2. ALL METAL SHALL CONSIST OF STAINLESS STEEL OR GALVANIZED STEEL.

TOP OF STRUCTURE TRASH RACK
NOT TO SCALE



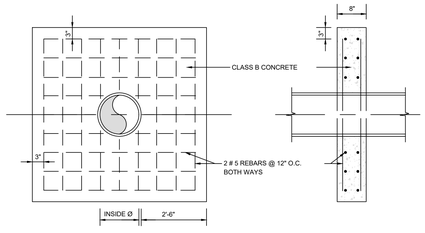
TRASH RACKS NOT SHOWN FOR CLARITY
SEE PLAN FOR WING WALLS AND GRADING

OUTLET CONTROL STRUCTURE DETAIL
NOT TO SCALE



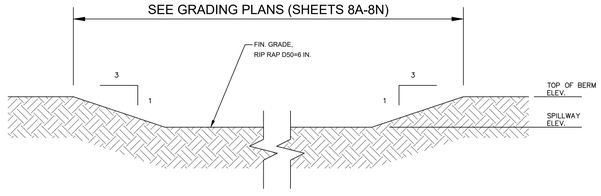
ORIFICE PLATE DETAIL
NOT TO SCALE

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"	206.86				
2	OS 669	211.00	4'	210.20	2.5"	209.05	18"	209.12				
3	OS 39	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	208.86	4'	207.99	2.5"	207.17	30"	206.65				
8	OS 35	183.00	4'	179.79	2.5"	179.17	24"	178.65	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	197.86	4'	198.58	6.5"	197.35	30"	195.30				
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'	179.86	2.5"	179.35	18"	179.00				
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	30"	151.00				
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"	144.30				
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	168.40	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"	192.30				
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	194.00	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	198.00	4'	196.48	2.5"	194.77	15"	193.65				
37B	OS 358	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"	200.65				
40	OS 630	206.00	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	2'	168.50		
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"	189.00				
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	188.00	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	201.40	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 203	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				



NOTES:
1. PRIOR TO CONSTRUCTION OF COLLAR, THE OUTSIDE OF THE PIPE SHALL BE CLEANED.
2. ALL REINFORCEING STEEL SHALL BE GRADE 40.
3. ANTI-SEEP COLLARS SHALL BE INSTALLED ON ALL BASIN DISCHARGE PIPES IN ACCORDANCE WITH CLAY CORE DETAILS. DOWNSTREAM OF CLAY CORE, ANTI-SEEP COLLARS SHALL BE INSTALLED AT MAX. 50' INTERVALS TO DISCHARGE POINT.
4. ALL DIMINSIONS APPLY FOR R.C.P., H.E.R.C.P., CONCRETE BOX CULVERTS, ETC.

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



TYPICAL SECTION THRU SPILLWAY

EMERGENCY SPILLWAY DETAIL
NOT TO SCALE

REVISION	DATE	CHKD
6 REVISED PER ENGINEERING COMMENTS	08/15/25	SAD
5 REVISED PER ENGINEERING COMMENTS	06/13/25	SAD
4 REVISED PER TOWNSHIP COMMENTS	03/31/25	SAD
3 REVISED PER ENGINEERING REVIEW	2/14/25	SAD
2 REVISED PER TOWNSHIP COMMENTS	12/18/24	SAD
1 REVISED PER RB COMPLETENESS REVIEW	09/10/24	SAD
12		
11		
10		
9		
8		
7		

PROJ. 08139.1-01-001
DATE 06/20/2024
CHKD. SAD

Bowman

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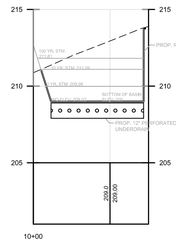
NJ Certificate of Authorization No. 24GA28022600
SEAN A. DELANY, N.J. Professional Engineer, Lic. 24GE04447100

PRELIMINARY AND FINAL MAJOR SUBDIVISION & PRELIMINARY AND FINAL SITE PLAN FOR
VENUE AT HOPEWELL
CONSTRUCTION DETAILS
BLOCK 93, LOTS 19, 20, 45.01, 46 & 60
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

SHEET No.
18G
OF



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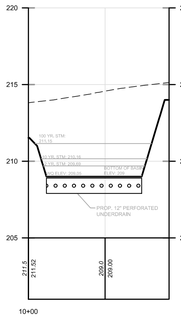

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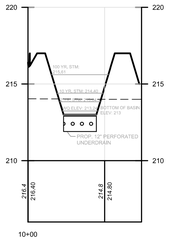

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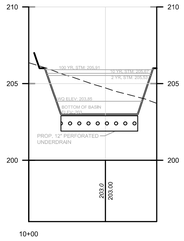

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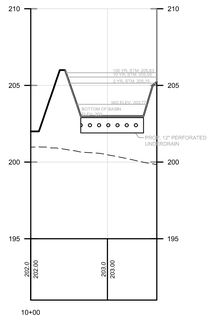

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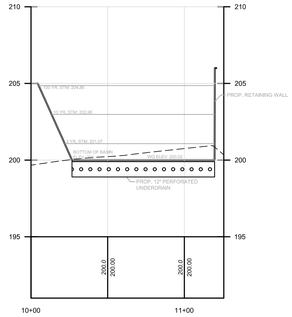

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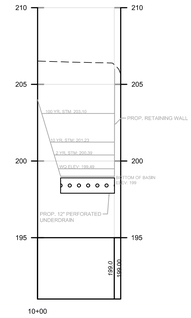

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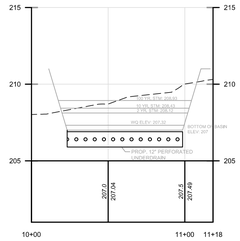

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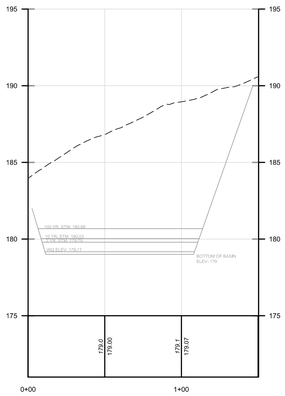

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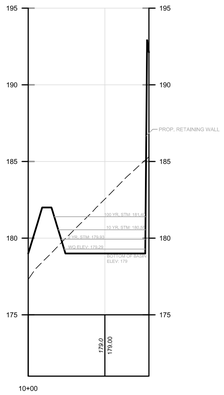

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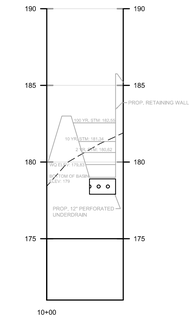

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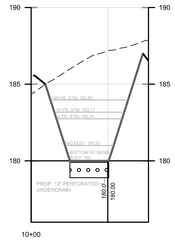

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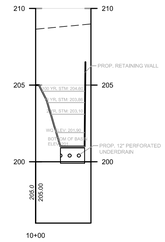

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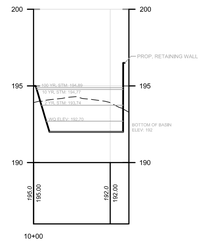

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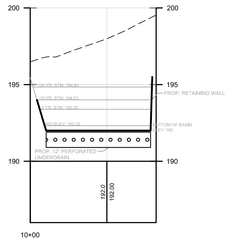

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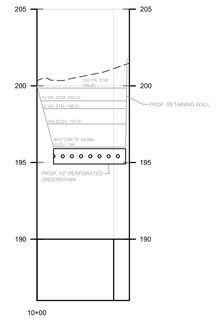

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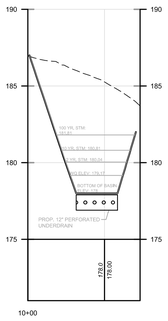

BASIN 16A PROFILE
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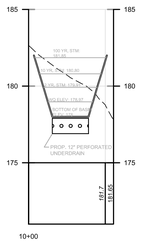

BASIN 16B PROFILE
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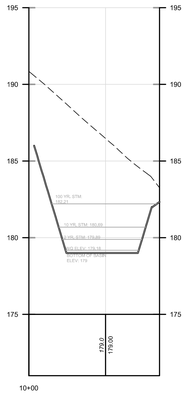

BASIN 17A PROFILE
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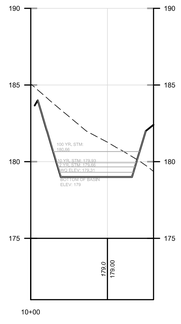

BASIN 17B PROFILE
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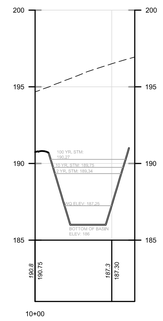

BASIN 18 PROFILE
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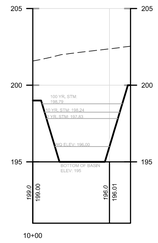
1"=4' Vertical



BASIN 19 PROFILE
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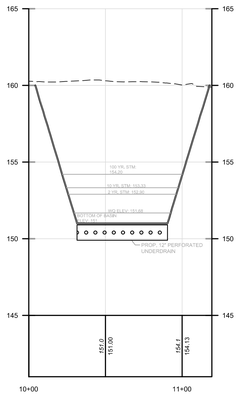

BASIN 20 PROFILE
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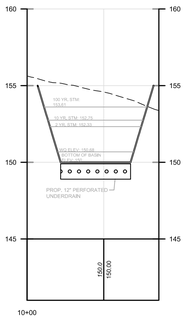

BASIN 21 PROFILE
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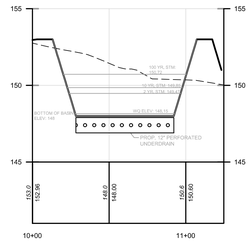

BASIN 22 PROFILE
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1"=4' Vertical

6	REVISED PER ENGINEERING COMMENTS	08/15/25	SAD
5	REVISED PER ENGINEERING COMMENTS	06/13/25	SAD
4	REVISED PER TOWNSHIP COMMENTS	03/31/25	SAD
3	REVISED PER ENGINEERING REVIEW	2/14/25	SAD
2	REVISED PER TOWNSHIP COMMENTS	12/18/24	SAD
1	REVISED PER PB COMPLETENESS REVIEW	09/10/24	SAD
	REVISION	DATE	CHKD

PROJ. 08139\1-001
DATE: 8/22/2024
DESIGNED BY: SAD

Bowman

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Freehold, New Jersey 07728
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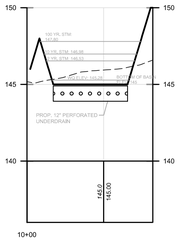
NJ Certificate of Authorization No. 24GA28000300
SEAN A. DELANY, N.J. Professional Engineer, Lic. 24GE04447100

PRELIMINARY AND FINAL MAJOR SUBDIVISION & PRELIMINARY AND FINAL SITE PLAN FOR
VENUE AT HOPEWELL
CONSTRUCTION DETAILS
BLOCK 93, LOTS 19, 20, 45.01, 46 & 60
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

SHEET No.
18I
OF

V:\081391 – Nursery Road–Hopewell\081391–01–001 (ENG) – Venue at Hopewell SP\Engineering Plans\02 Site Plans\081391_SP_BASINSET.dwg 08/17/25 05:23:18PM, anthony.pobletts, LAYOUT:18J
XREFS: 081391_FBASE.dwg
081391_XR_Topo.dwg, 081391_XR_Hopewell–sheets 2–13.dwg
Drainage Easement.dwg
BCGMAP–10–north_boundary.dwg



BASIN 23 PROFILE
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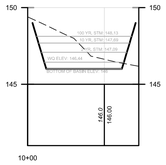

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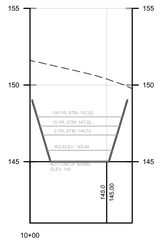

BASIN 25 PROFILE
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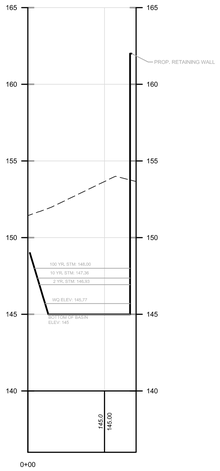

BASIN 26 PROFILE
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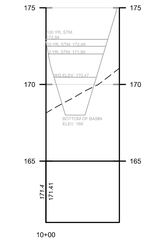

BASIN 27 PROFILE
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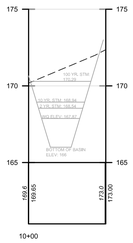

BASIN 28 PROFILE
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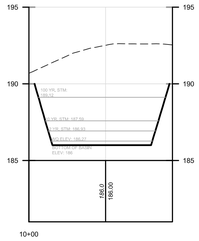

BASIN 29 PROFILE
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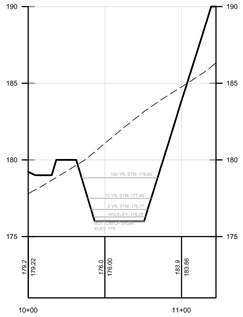

BASIN 30 PROFILE
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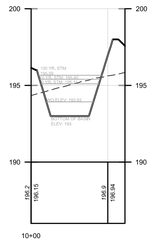

BASIN 31 PROFILE
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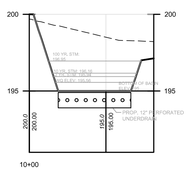

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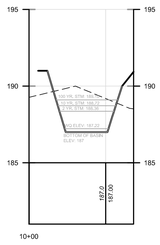

BASIN 33 PROFILE
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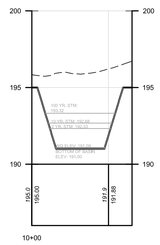

BASIN 34 PROFILE
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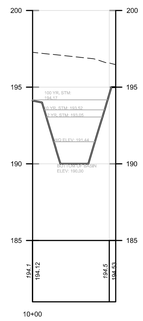

BASIN 35 PROFILE
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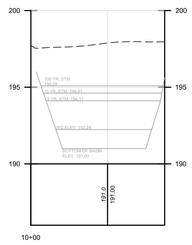

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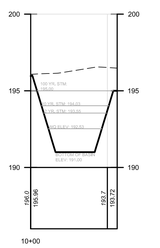

BASIN 36B PROFILE
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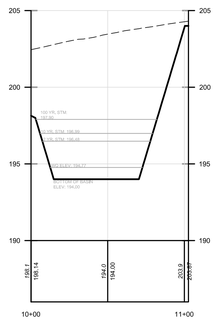

BASIN 37A PROFILE
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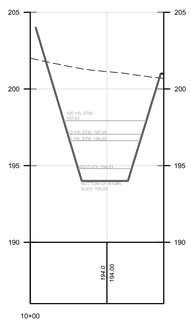

BASIN 37B PROFILE
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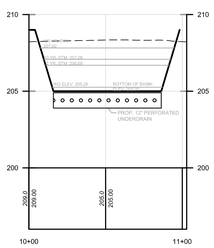

BASIN 38 PROFILE
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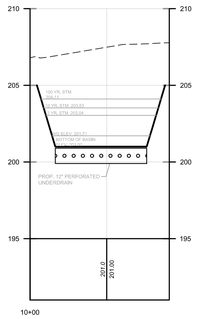

BASIN 39 PROFILE
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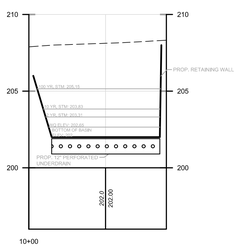

BASIN 40 PROFILE
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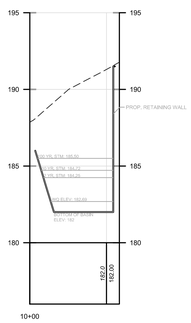

BASIN 41 PROFILE
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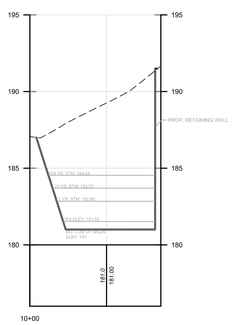

BASIN 42 PROFILE
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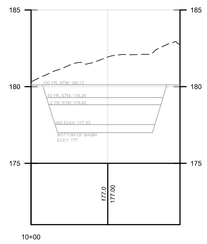

BASIN 43 PROFILE
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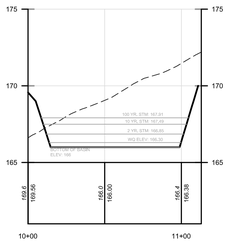

BASIN 44 PROFILE
1"=40' Horizontal
1"=4' Vertical

6	REVISED PER ENGINEERING COMMENTS	08/15/25	SAD
5	REVISED PER ENGINEERING COMMENTS	06/13/25	SAD
4	REVISED PER TOWNSHIP COMMENTS	03/31/25	SAD
3	REVISED PER ENGINEERING REVIEW	2/14/25	SAD
2	REVISED PER TOWNSHIP COMMENTS	12/18/24	SAD
1	REVISED PER PB COMPLETENESS REVIEW	09/10/24	SAD
	REVISION	DATE	CHKD

12			
11			
10			
9			
8			
7			
	REVISION	DATE	CHKD

PROJ. 081391-001
DATE: 8/22/2024
SCALE: AS SHOWN

Bowman

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Freehold, New Jersey 07728
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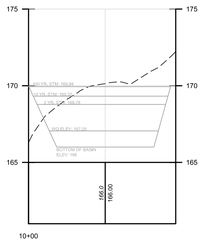
Contact: NJ@Bowman.com
Phone: 732-462-5500
FAX: 732-462-5501
NJ Certificate of Authorization No. 24GA28000300
SEAN A. DELANY, N.J. Professional Engineer, Lic. 24GE04447100

PRELIMINARY AND FINAL MAJOR SUBDIVISION & PRELIMINARY AND FINAL SITE PLAN FOR
VENUE AT HOPEWELL
CONSTRUCTION DETAILS
BLOCK 30, LOTS 19, 20, 45.01, 48 & 60
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

SHEET No.
18K
OF



BASIN 45 PROFILE
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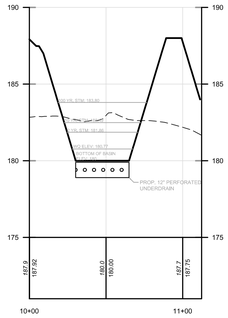

BASIN 46A PROFILE
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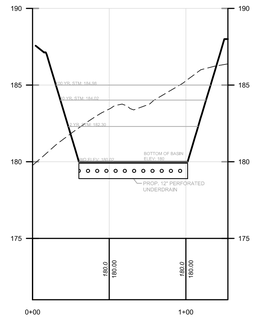

BASIN 46B PROFILE
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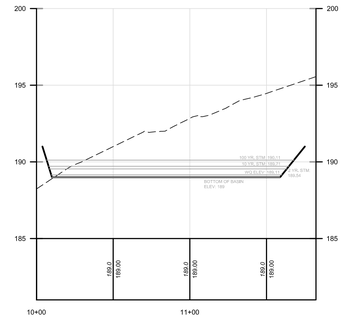

BASIN 47 PROFILE
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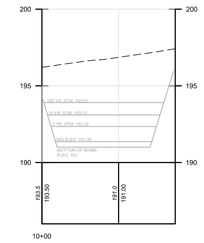

BASIN 48 PROFILE
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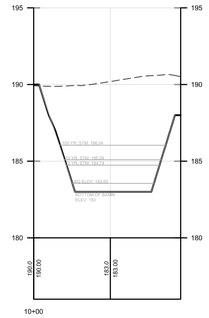

BASIN 49 PROFILE
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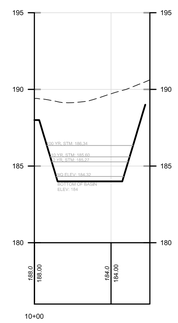

BASIN 50 PROFILE
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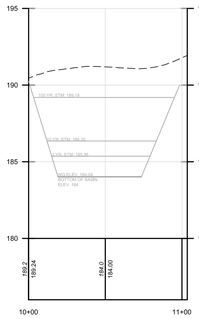

BASIN 51 PROFILE
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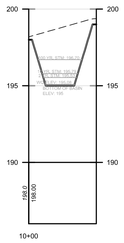

BASIN 52 PROFILE
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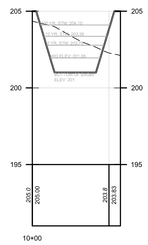

BASIN 53 PROFILE
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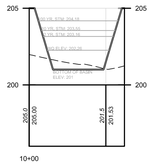

BASIN 54 PROFILE
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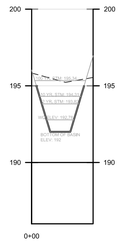

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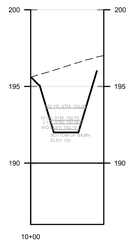
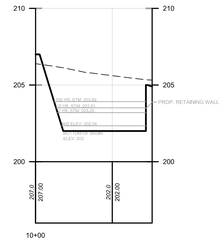


BASIN 56 PROFILE
1"=40' Horizontal
1"=4' Vertical



BASIN 57 PROFILE
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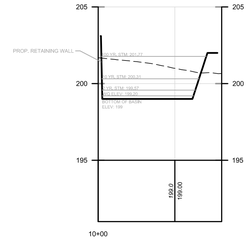

BASIN 58 PROFILE
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1"=4' Vertical

12			
11			
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REVISION			DATE CHKD

6	REVISED PER ENGINEERING COMMENTS	08/19/25	SAD
5	REVISED PER ENGINEERING COMMENTS	06/19/25	SAD
4	REVISED PER TOWNSHIP COMMENTS	03/31/25	SAD
3	REVISED PER ENGINEERING REVIEW	2/14/25	SAD
2	REVISED PER TOWNSHIP COMMENTS	12/18/24	SAD
1	REVISED PER PB COMPLETENESS REVIEW	09/10/24	SAD
REVISION		DATE	CHKD

PROJ. 081391-01-001
DATE: 8/22/2024
DESIGN: SAD

Bowman

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Freehold, New Jersey 07728
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NJ Certificate of Authorization No. 24GA28000300
SEAN A. DELANY, N.J. Professional Engineer, Lic. 24GE04471700

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VENUE AT HOPEWELL
CONSTRUCTION DETAILS
BLOCK 93, LOTS 19, 20, 45.01, 46 & 60
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

SHEET No.
18L
OF