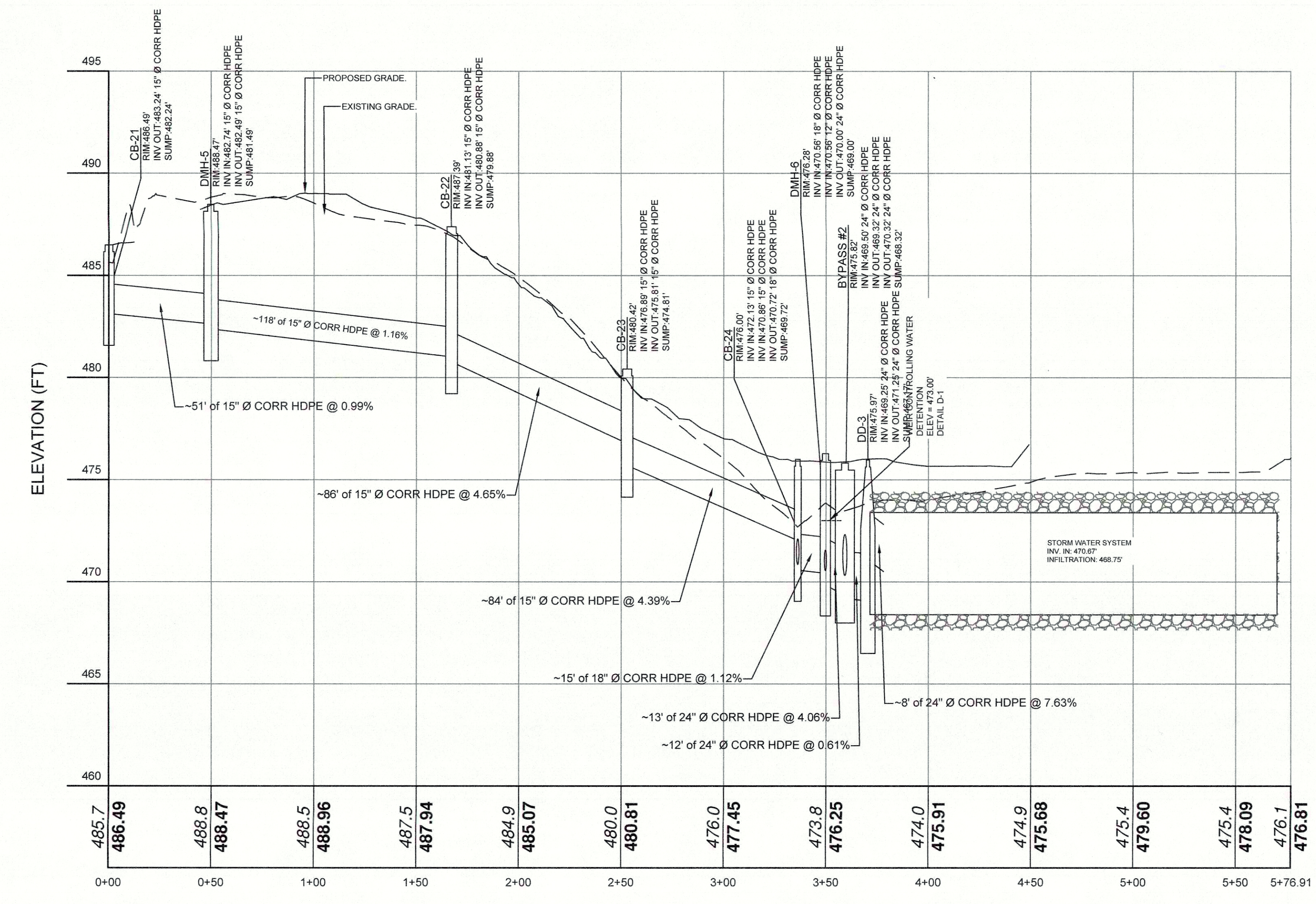
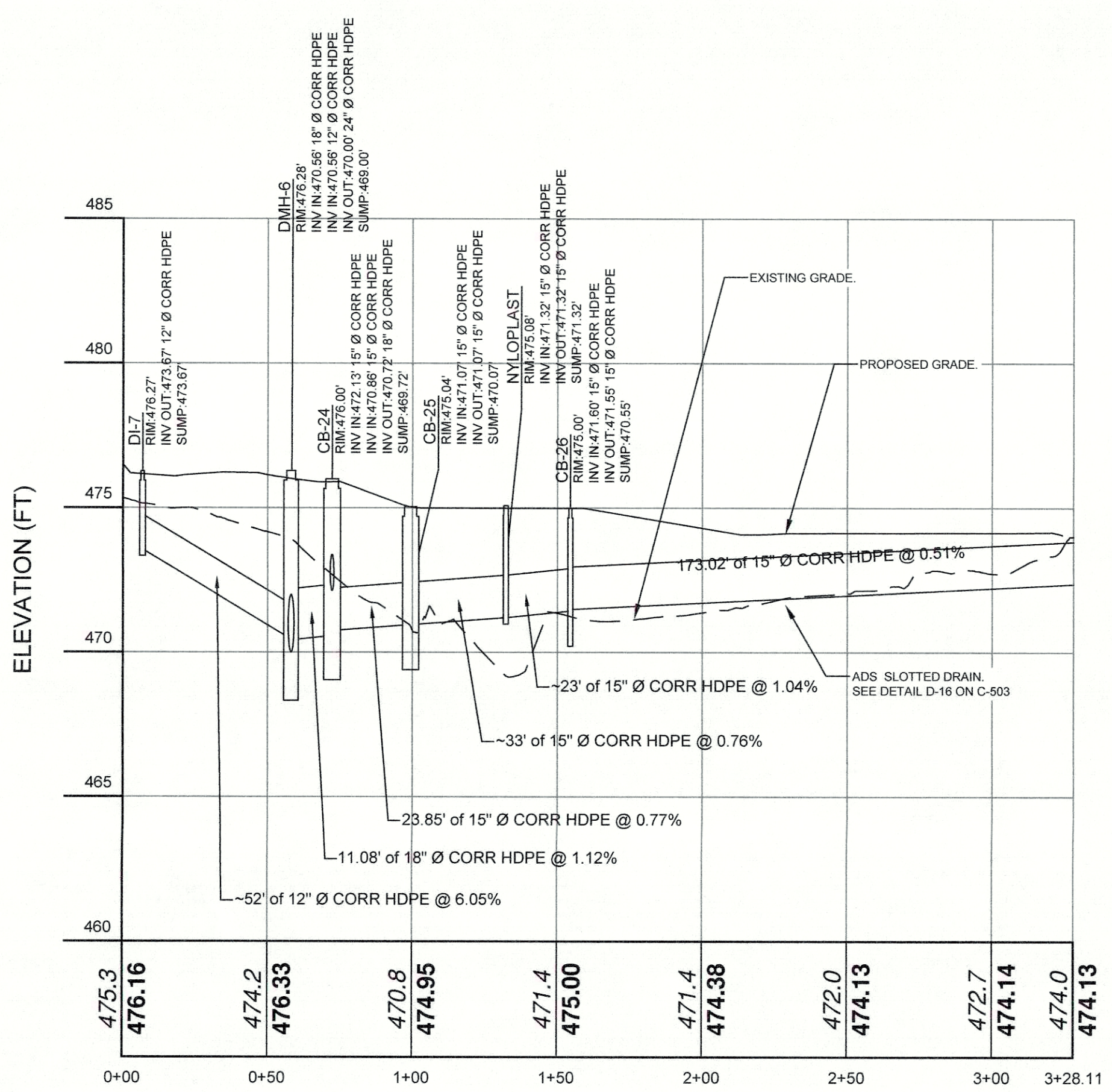


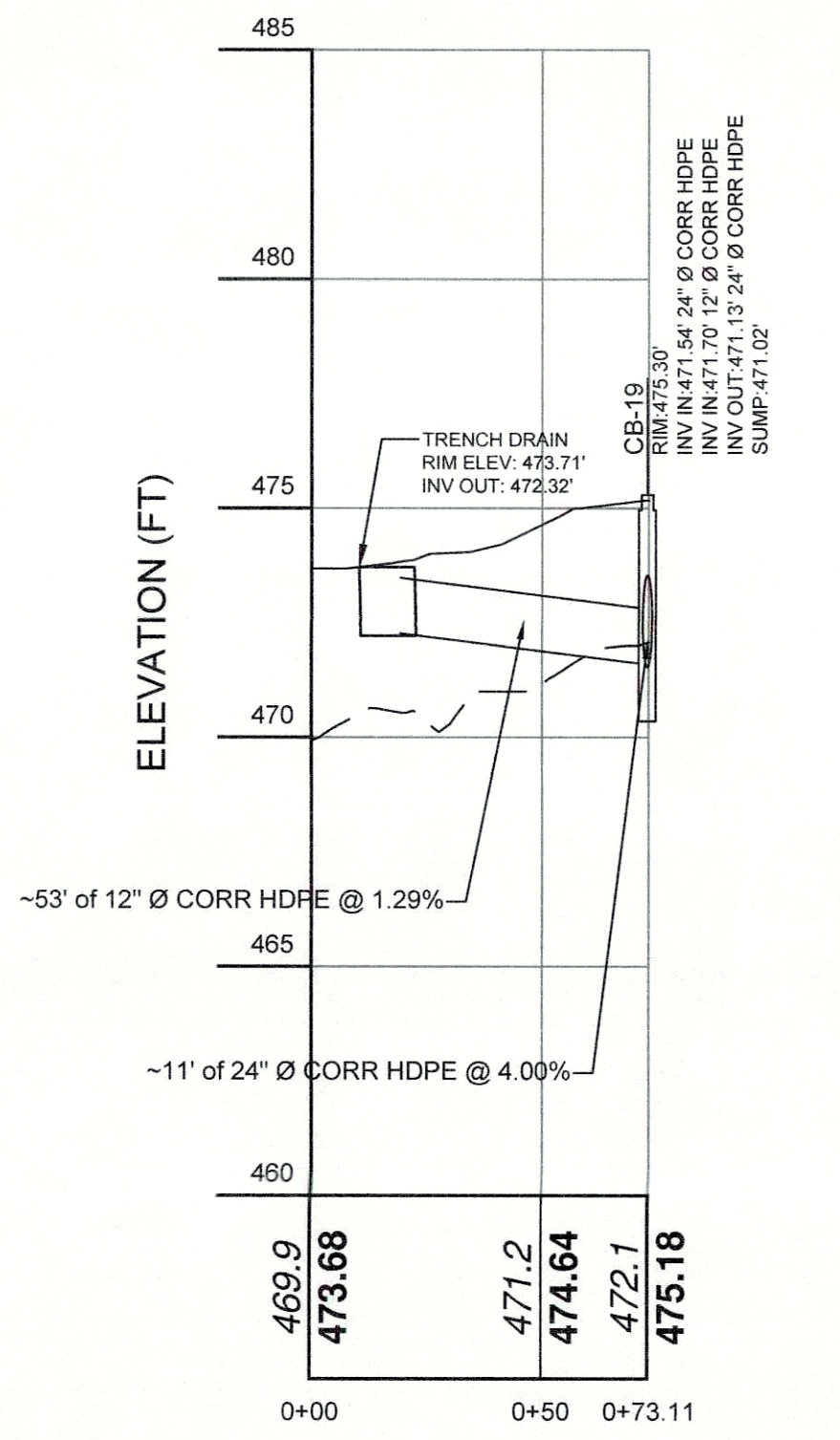
BUILDING PARKING LOT DRAINAGE PROFILE
 VERT. SCALE: 1" = 4
 HORIZ. SCALE: 1" = 40



EXISTING HOUSE DRAINAGE
 VERT. SCALE: 1" = 4
 HORIZ. SCALE: 1" = 40



SIDE PARKING LOT DRAINAGE PROFILE
 VERT. SCALE: 1" = 4
 HORIZ. SCALE: 1" = 40



BACK OF PARKING LOT PROFILE
 VERT. SCALE: 1" = 4
 HORIZ. SCALE: 1" = 40

APPROVED
 Resolution Number 23-13
 Date July 17, 2023

Copyright © 2023 by SITE DESIGN CONSULTANTS, ALL RIGHTS RESERVED

Site Design Consultants
 Civil Engineers • Land Planners
 251-F Underhill Avenue, Yorktown Heights, NY 10598
 (914) 962-7386 Fax: (914) 962-7386
 www.sitedesignconsultants.com

PROJECT - 23-20

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN

UNDERHILL FARM
 UNDERHILL AVENUE

SITE PLAN
 PREPARED FOR

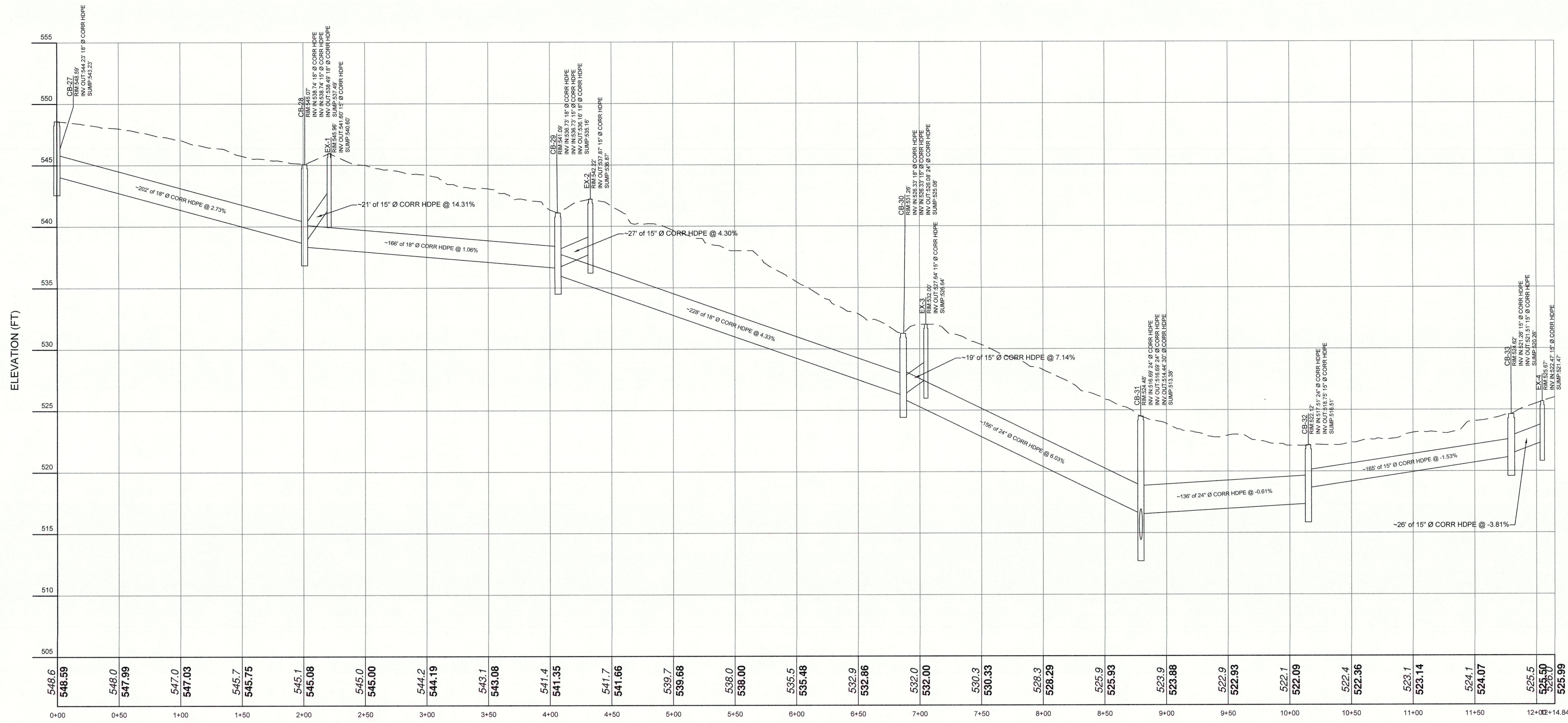
DRAINAGE PROFILE

Resolution Number 23-13
 Date July 17, 2023

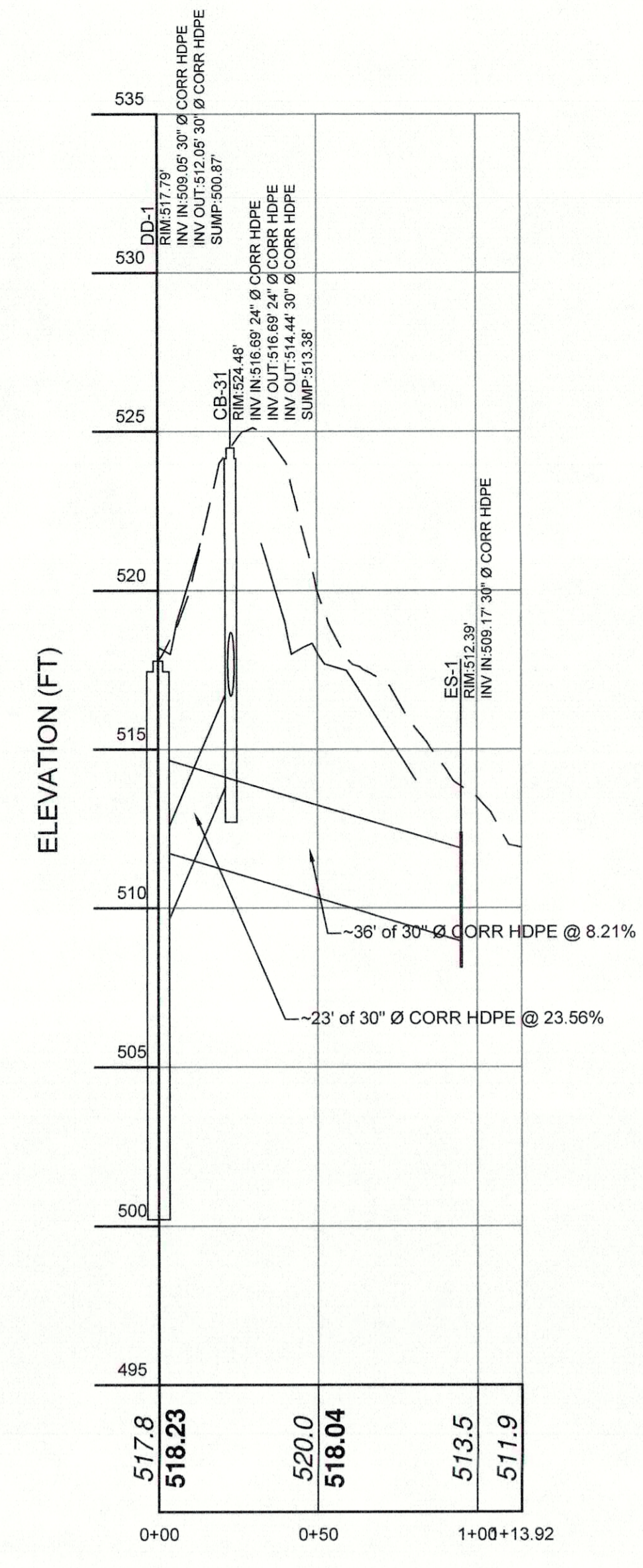
APPROVED

SEAL: 1" = 40'
 DRAWN BY: TK
 DATE: 6-22-20

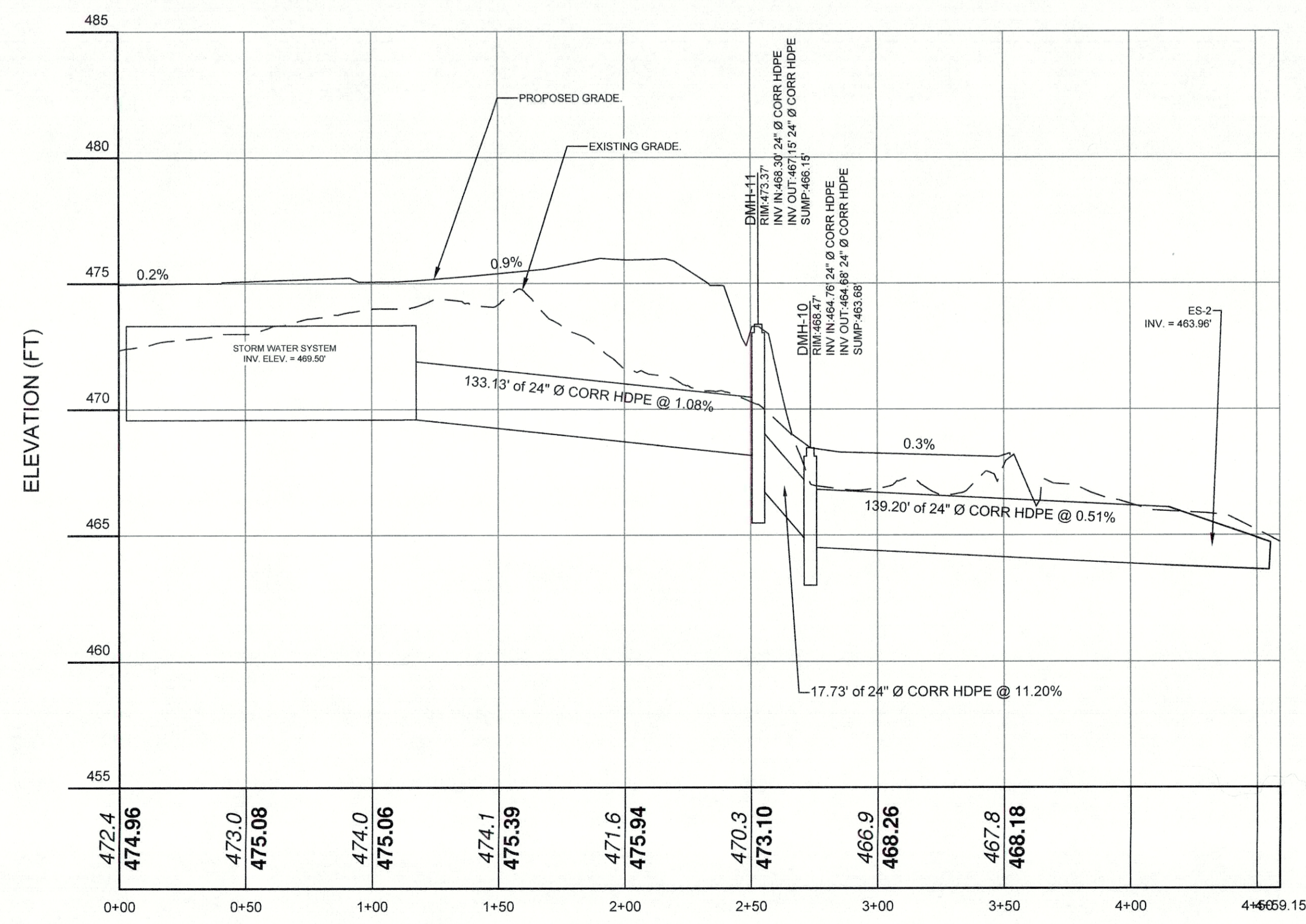
WESTCHESTER COUNTY, NEW YORK
 TOWN OF YORKTOWN



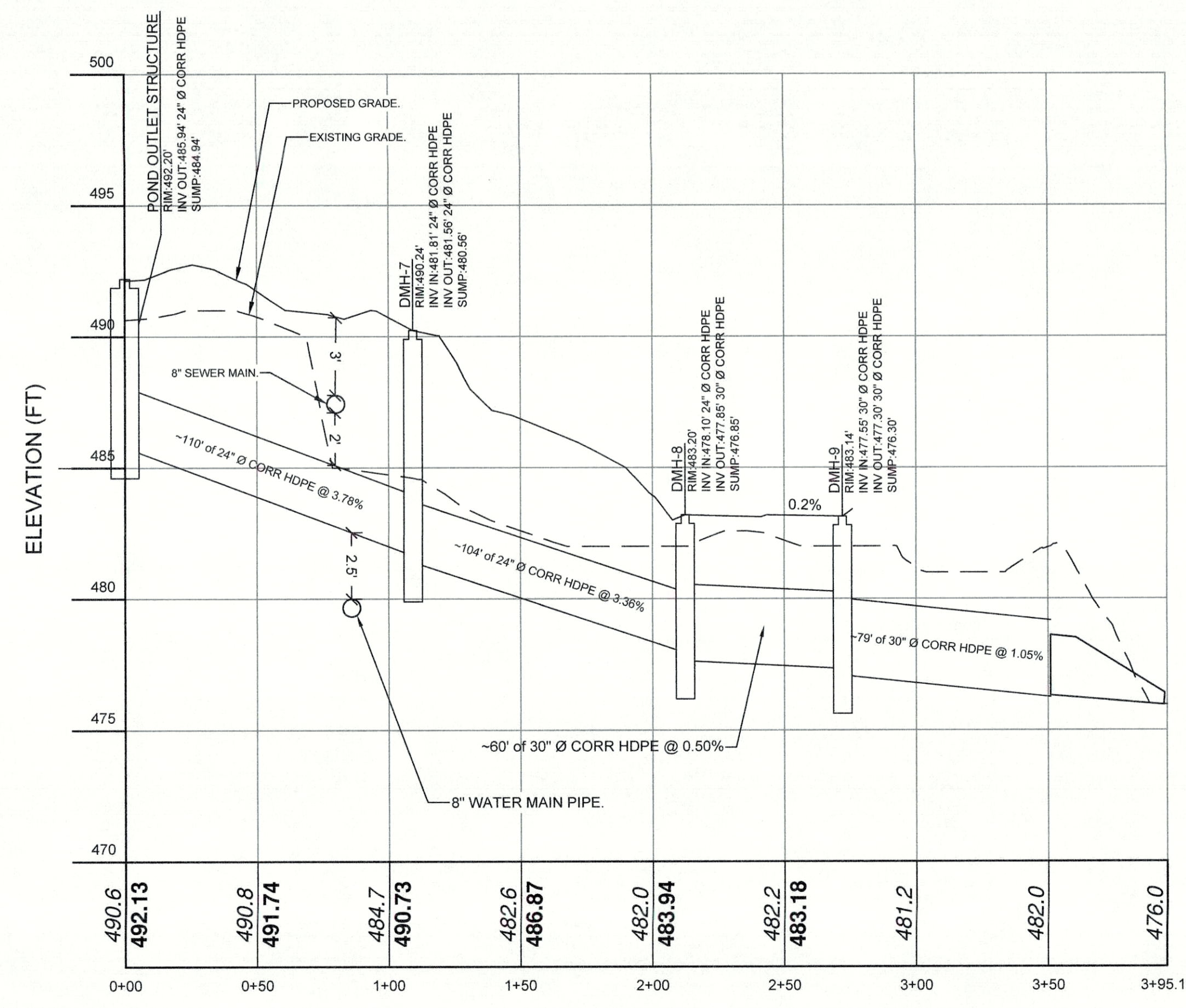
GLENROCK ST. DRAINAGE PROFILE
 VERT. SCALE: 1" = 4
 HORIZ. SCALE: 1" = 40



DRAINAGE BETWEEN WALL
 VERT. SCALE: 1" = 4
 HORIZ. SCALE: 1" = 40



DETENTION CHAMBERS TO ES-2
 VERT. SCALE: 1" = 4
 HORIZ. SCALE: 1" = 40



POND OUTLET TO DMH-9
 VERT. SCALE: 1" = 4
 HORIZ. SCALE: 1" = 40

APPROVED
 Resolution Number 23-13
 Date July 17, 2023

PROJECT - 2020

Site Design Consultants
 Civil Engineers • Land Planners
 251-F Underhill Ave., Tonawanda, NY 14268
 (716) 662-4488 • (716) 662-7366
 www.sitedesignconsultants.com

SEAL OF THE STATE OF NEW YORK
 REGISTERED PROFESSIONAL ENGINEER
 No. 10876
 EXPIRES 12/31/2024
 Joseph C. Ruffa, P.E.
 3135 E. NEWYORK

NO.	DATE	COMMENTS
1	8/1/23	Site Plan Update
2	8/1/23	Site Plan Update
3	8/1/23	Site Plan Update
4	8/1/23	Site Plan Update
5	8/1/23	Site Plan Update
6	8/1/23	Site Plan Update
7	8/1/23	Site Plan Update
8	8/1/23	Site Plan Update
9	8/1/23	Site Plan Update
10	8/1/23	Site Plan Update
11	8/1/23	Site Plan Update
12	8/1/23	Site Plan Update
13	8/1/23	Site Plan Update
14	8/1/23	Site Plan Update
15	8/1/23	Site Plan Update
16	8/1/23	Site Plan Update
17	8/1/23	Site Plan Update
18	8/1/23	Site Plan Update
19	8/1/23	Site Plan Update
20	8/1/23	Site Plan Update
21	8/1/23	Site Plan Update
22	8/1/23	Site Plan Update
23	8/1/23	Site Plan Update
24	8/1/23	Site Plan Update
25	8/1/23	Site Plan Update
26	8/1/23	Site Plan Update
27	8/1/23	Site Plan Update
28	8/1/23	Site Plan Update
29	8/1/23	Site Plan Update
30	8/1/23	Site Plan Update
31	8/1/23	Site Plan Update
32	8/1/23	Site Plan Update
33	8/1/23	Site Plan Update
34	8/1/23	Site Plan Update
35	8/1/23	Site Plan Update
36	8/1/23	Site Plan Update
37	8/1/23	Site Plan Update
38	8/1/23	Site Plan Update
39	8/1/23	Site Plan Update
40	8/1/23	Site Plan Update
41	8/1/23	Site Plan Update
42	8/1/23	Site Plan Update
43	8/1/23	Site Plan Update
44	8/1/23	Site Plan Update
45	8/1/23	Site Plan Update
46	8/1/23	Site Plan Update
47	8/1/23	Site Plan Update
48	8/1/23	Site Plan Update
49	8/1/23	Site Plan Update
50	8/1/23	Site Plan Update
51	8/1/23	Site Plan Update
52	8/1/23	Site Plan Update
53	8/1/23	Site Plan Update
54	8/1/23	Site Plan Update
55	8/1/23	Site Plan Update
56	8/1/23	Site Plan Update
57	8/1/23	Site Plan Update
58	8/1/23	Site Plan Update
59	8/1/23	Site Plan Update
60	8/1/23	Site Plan Update
61	8/1/23	Site Plan Update
62	8/1/23	Site Plan Update
63	8/1/23	Site Plan Update
64	8/1/23	Site Plan Update
65	8/1/23	Site Plan Update
66	8/1/23	Site Plan Update
67	8/1/23	Site Plan Update
68	8/1/23	Site Plan Update
69	8/1/23	Site Plan Update
70	8/1/23	Site Plan Update
71	8/1/23	Site Plan Update
72	8/1/23	Site Plan Update
73	8/1/23	Site Plan Update
74	8/1/23	Site Plan Update
75	8/1/23	Site Plan Update
76	8/1/23	Site Plan Update
77	8/1/23	Site Plan Update
78	8/1/23	Site Plan Update
79	8/1/23	Site Plan Update
80	8/1/23	Site Plan Update
81	8/1/23	Site Plan Update
82	8/1/23	Site Plan Update
83	8/1/23	Site Plan Update
84	8/1/23	Site Plan Update
85	8/1/23	Site Plan Update
86	8/1/23	Site Plan Update
87	8/1/23	Site Plan Update
88	8/1/23	Site Plan Update
89	8/1/23	Site Plan Update
90	8/1/23	Site Plan Update
91	8/1/23	Site Plan Update
92	8/1/23	Site Plan Update
93	8/1/23	Site Plan Update
94	8/1/23	Site Plan Update
95	8/1/23	Site Plan Update
96	8/1/23	Site Plan Update
97	8/1/23	Site Plan Update
98	8/1/23	Site Plan Update
99	8/1/23	Site Plan Update
100	8/1/23	Site Plan Update

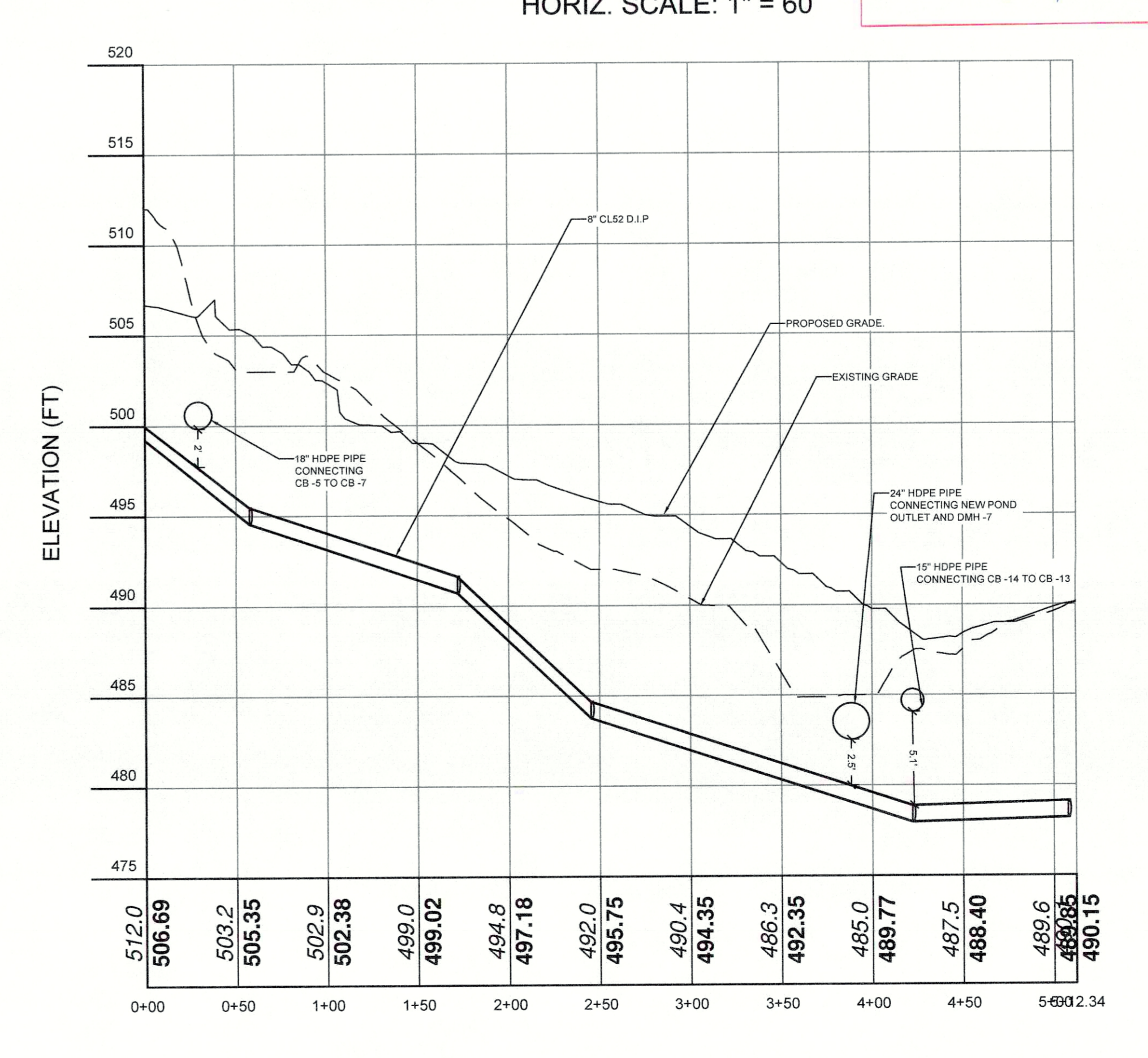
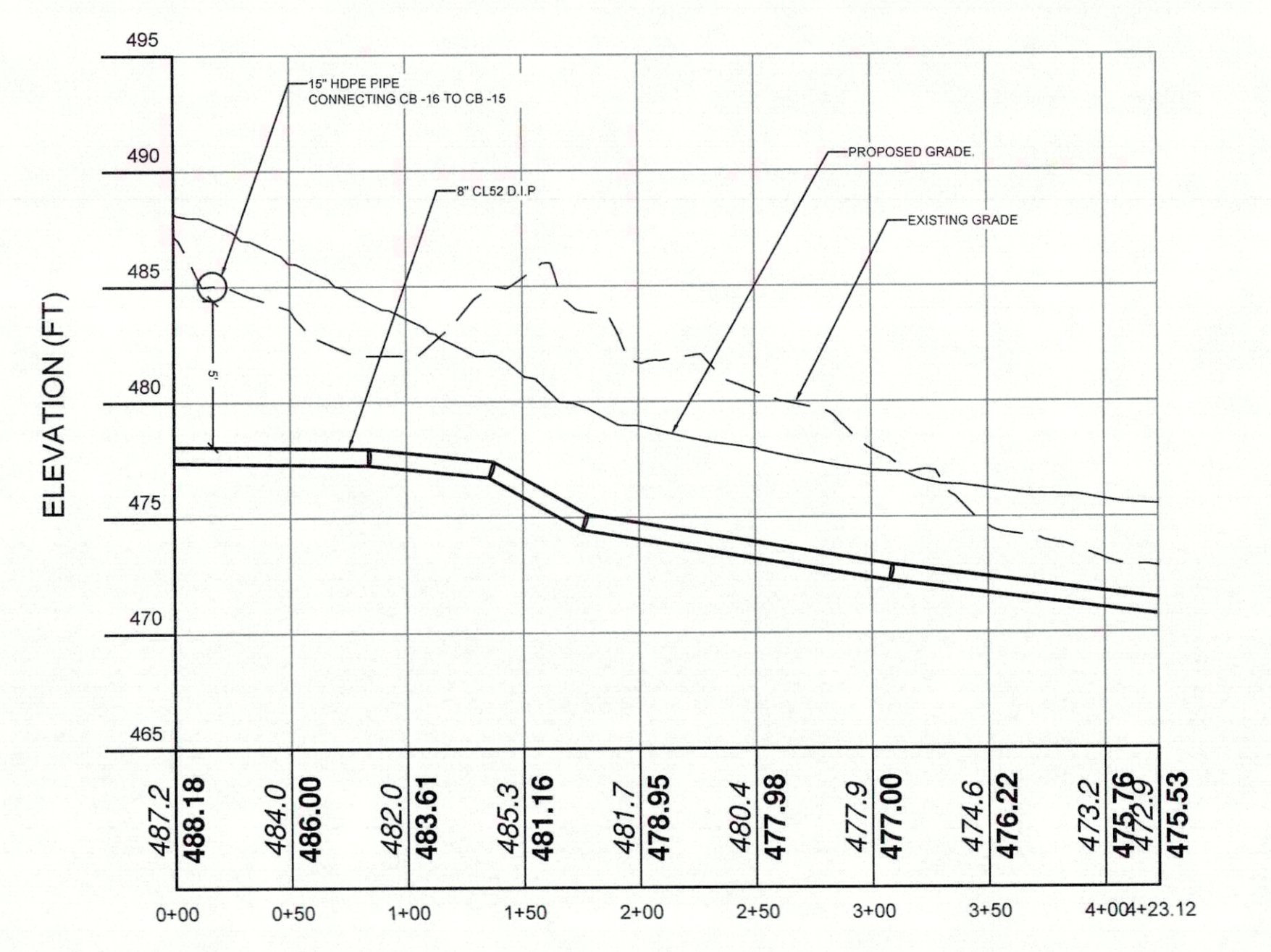
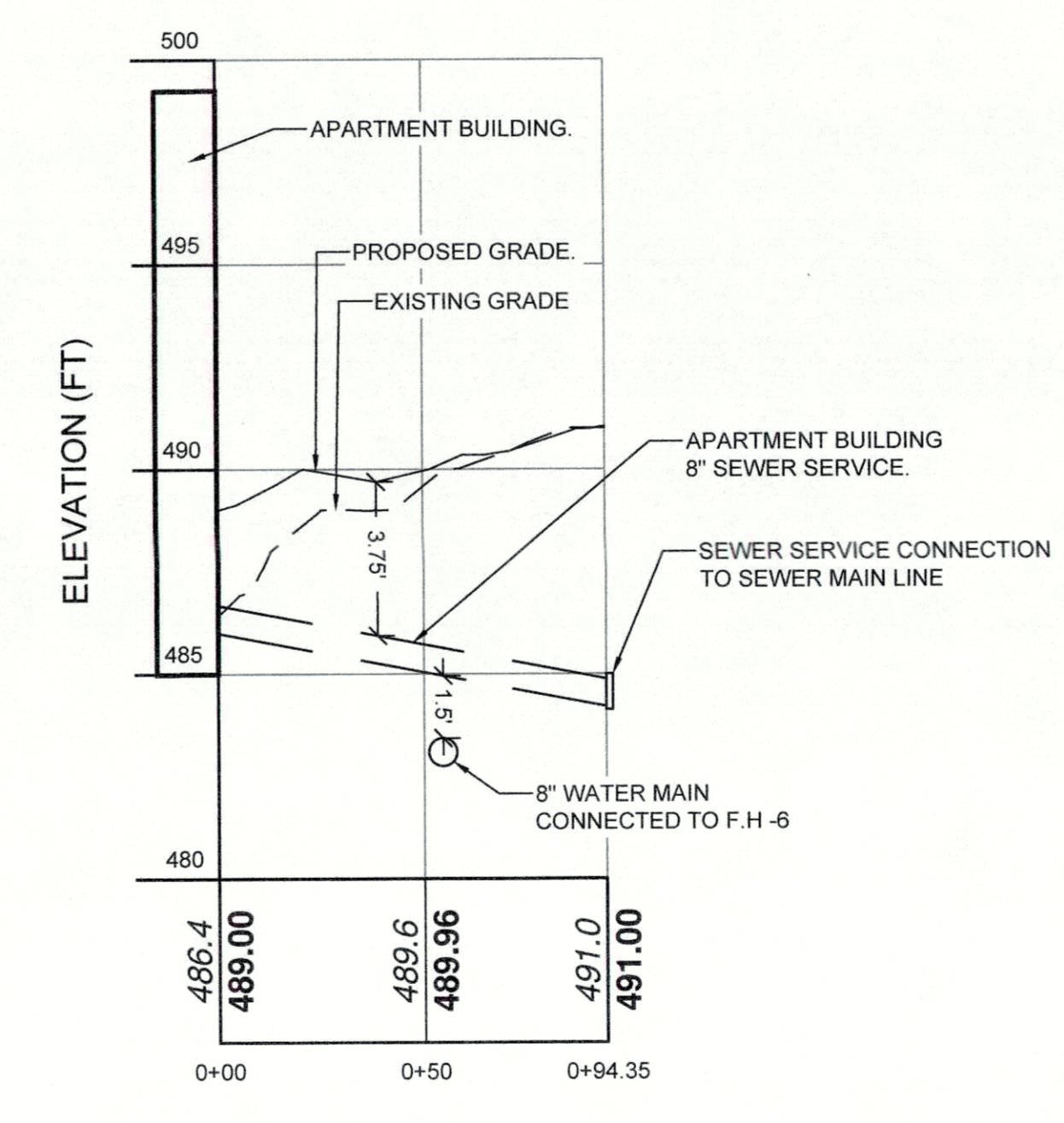
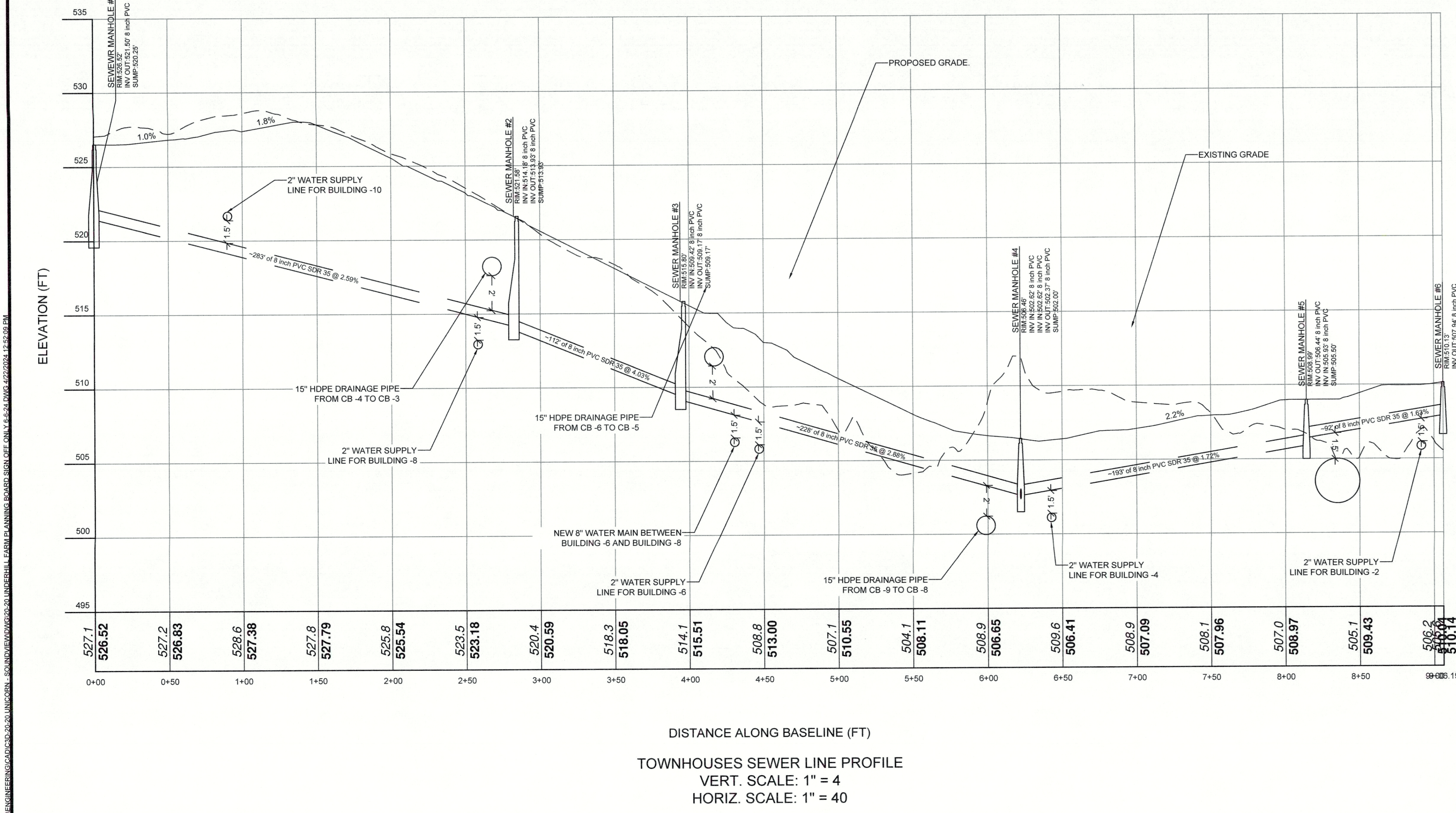
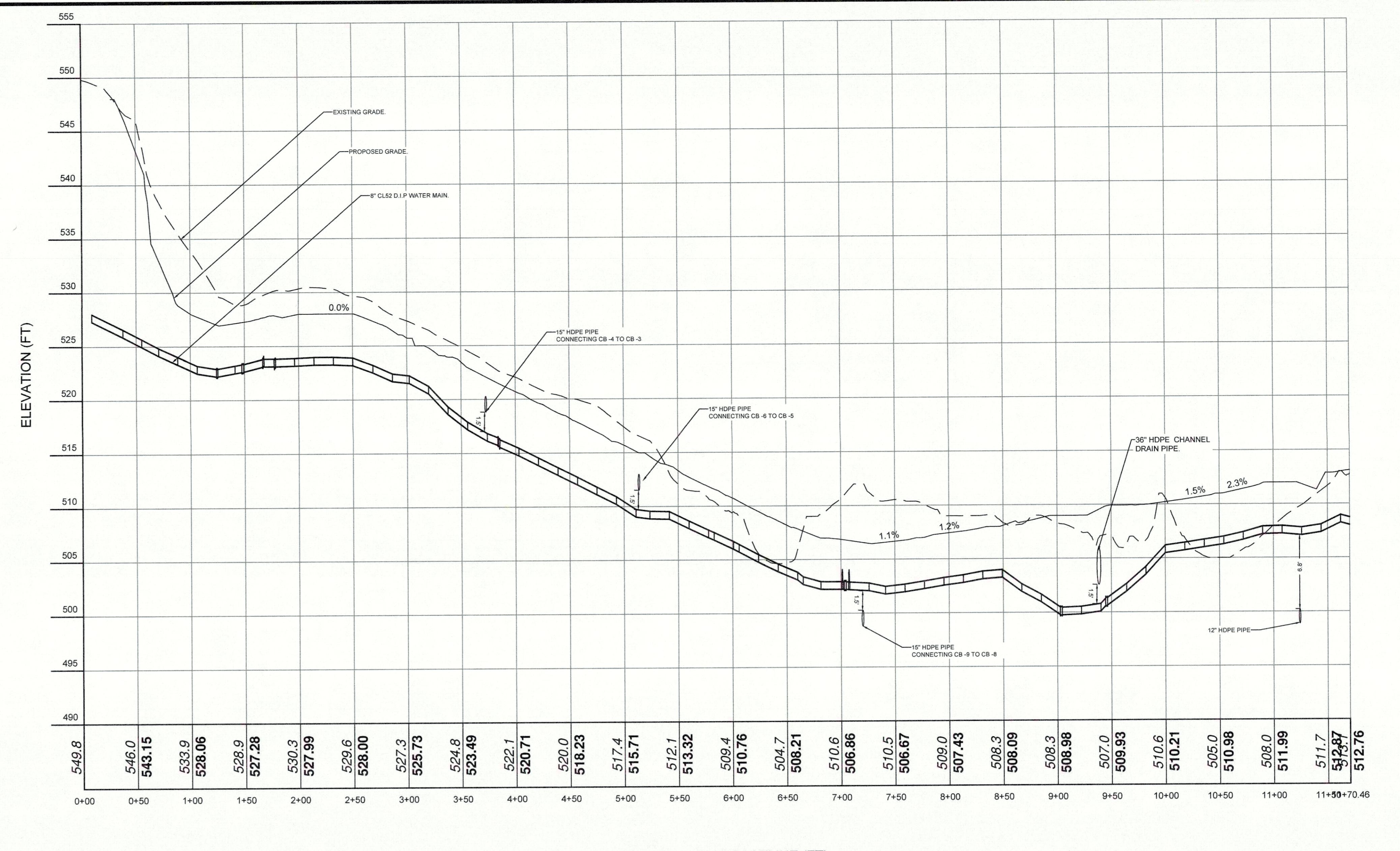
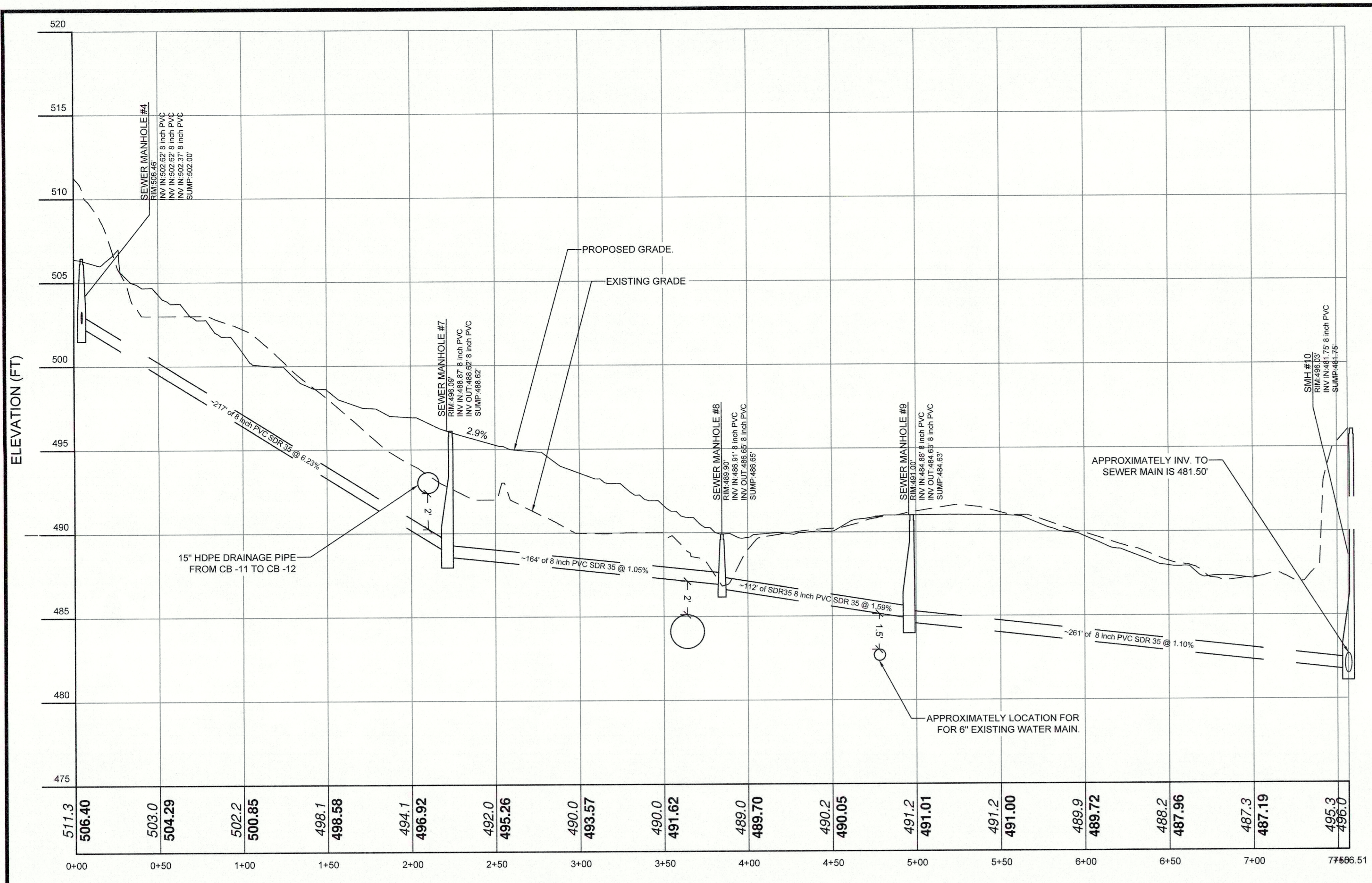
SCALE: 1" = 40
 DRAWN BY: TK
 DATE: 6-22-20

UNDERHILL FARM
 UNDERHILL AVENUE
 Westchester County, New York

Town of Yorktown

Sheet C-304

NOTE: UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209(2)(f) OF THE NEW YORK STATE EDUCATION LAW.



APPROVED
 Resolution Number: 23-13
 Date: 2-17-22

Site Design Consultants
 Civil Engineers • Land Planners
 251-F Underhill Avenue, Yorktown Heights, NY 10598
 (914) 962-4488 • Fax: (914) 962-7386
 www.sitedesignconsultants.com

PROJECT - 2020

Joseph C. Rittina, P.E.
 License No. 12345

DATE: 6-22-20
 DRAWN BY: TK

Revisions:

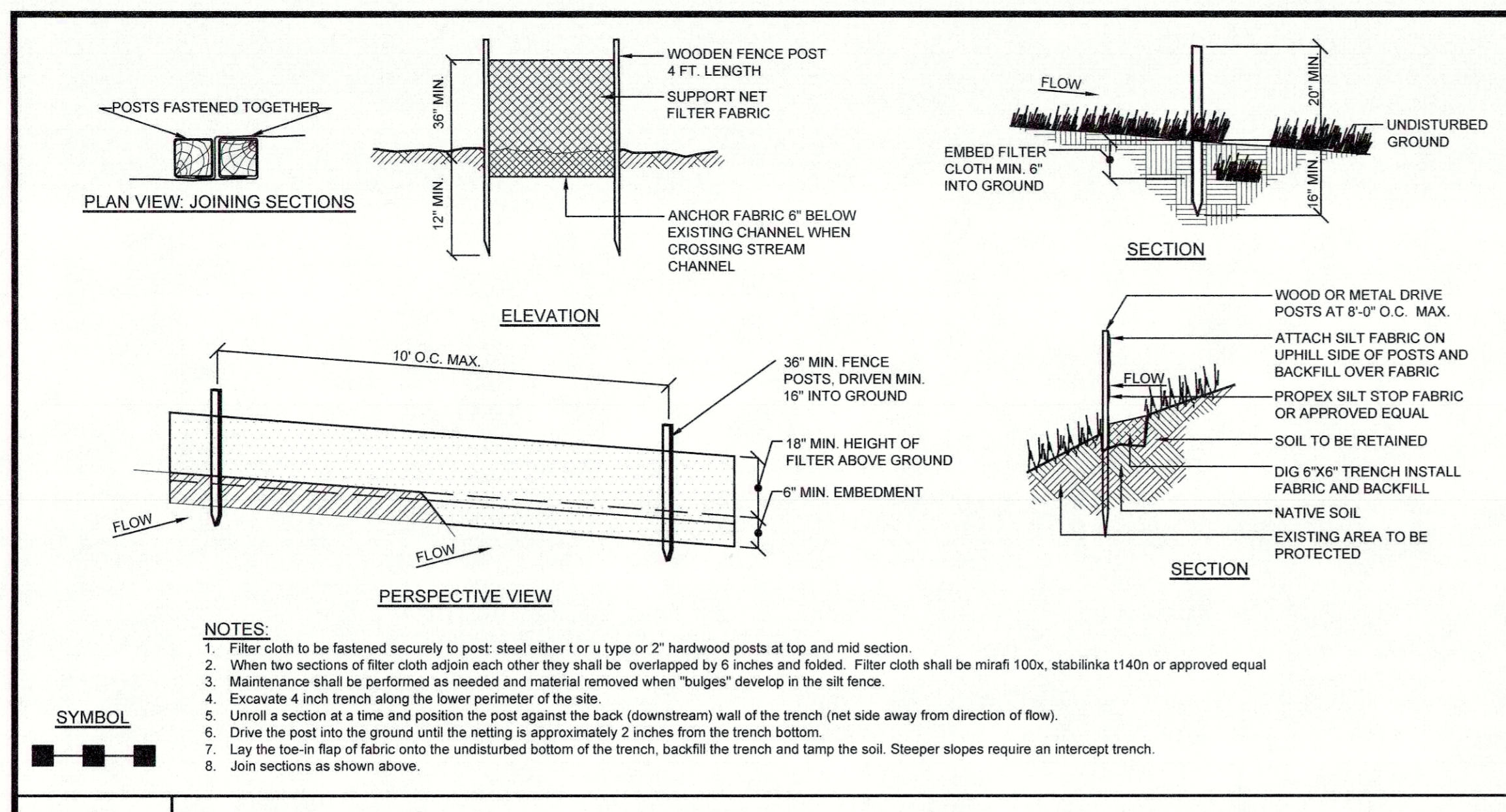
No.	Date	Comments
1	8/13/21	Site Plan Update
2	9/1/21	Final Site Plan
3	10/1/21	Final Site Plan
4	10/1/21	Final Site Plan
5	11/1/21	Final Site Plan
6	12/1/21	Final Site Plan
7	1/1/22	Final Site Plan
8	2/1/22	Final Site Plan
9	3/1/22	Final Site Plan
10	4/1/22	Final Site Plan
11	5/1/22	Final Site Plan
12	6/1/22	Final Site Plan

SCALE: 1" = 40

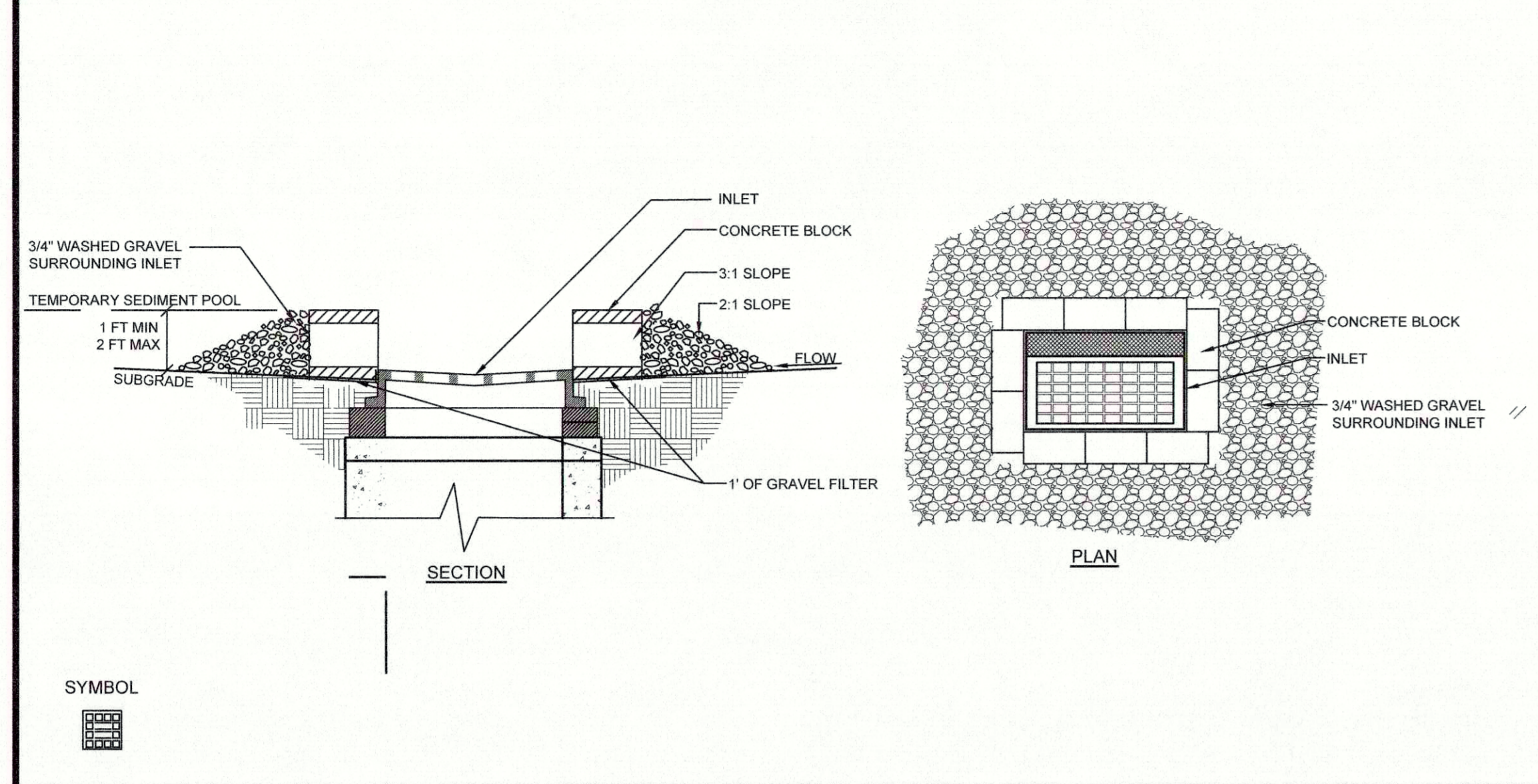
UTILITIES PROFILE

SITE PLAN
 PREPARED FOR
UNDERHILL FARM
 UNDERHILL AVENUE
 Westchester County, New York

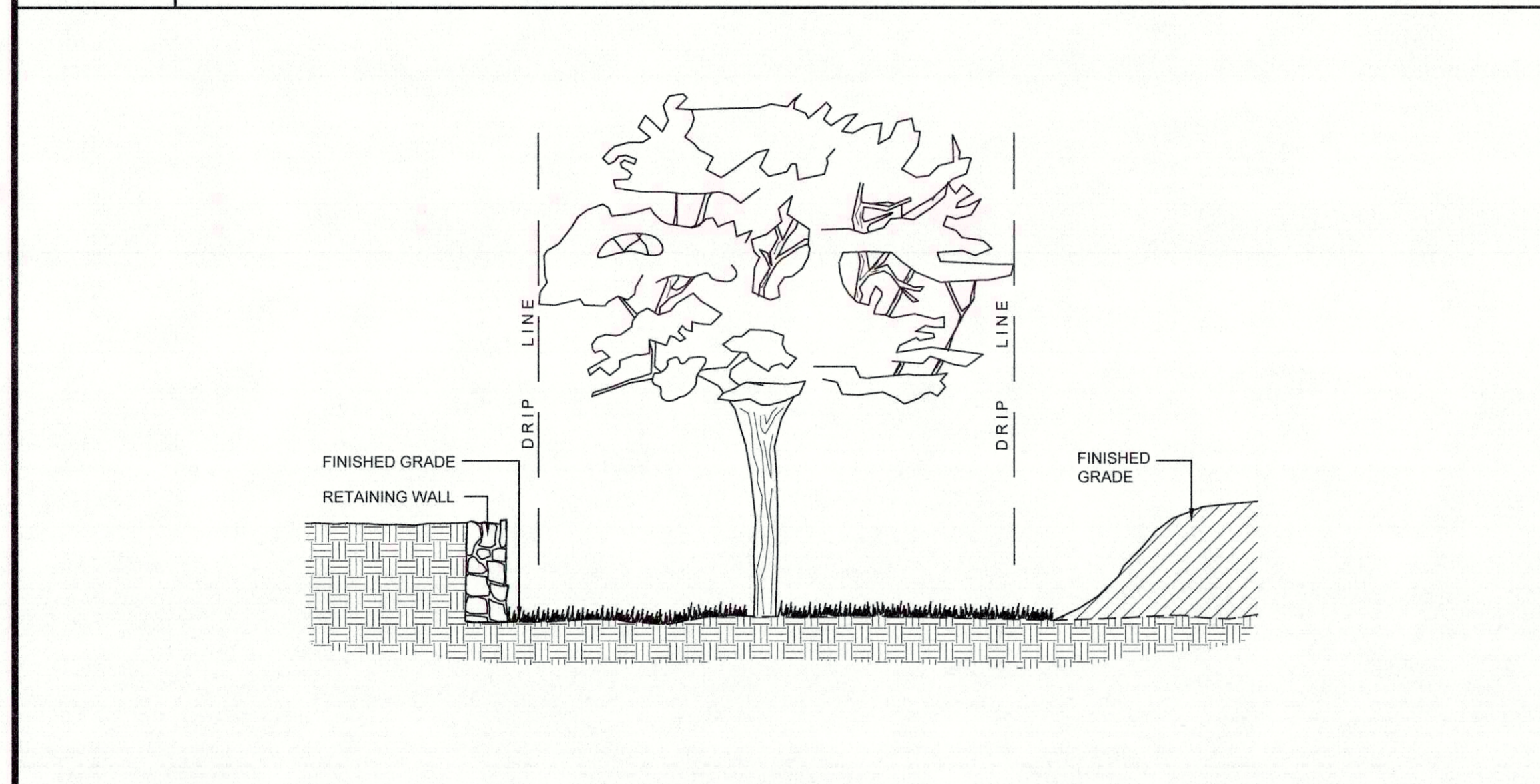
Sheet **C-305**



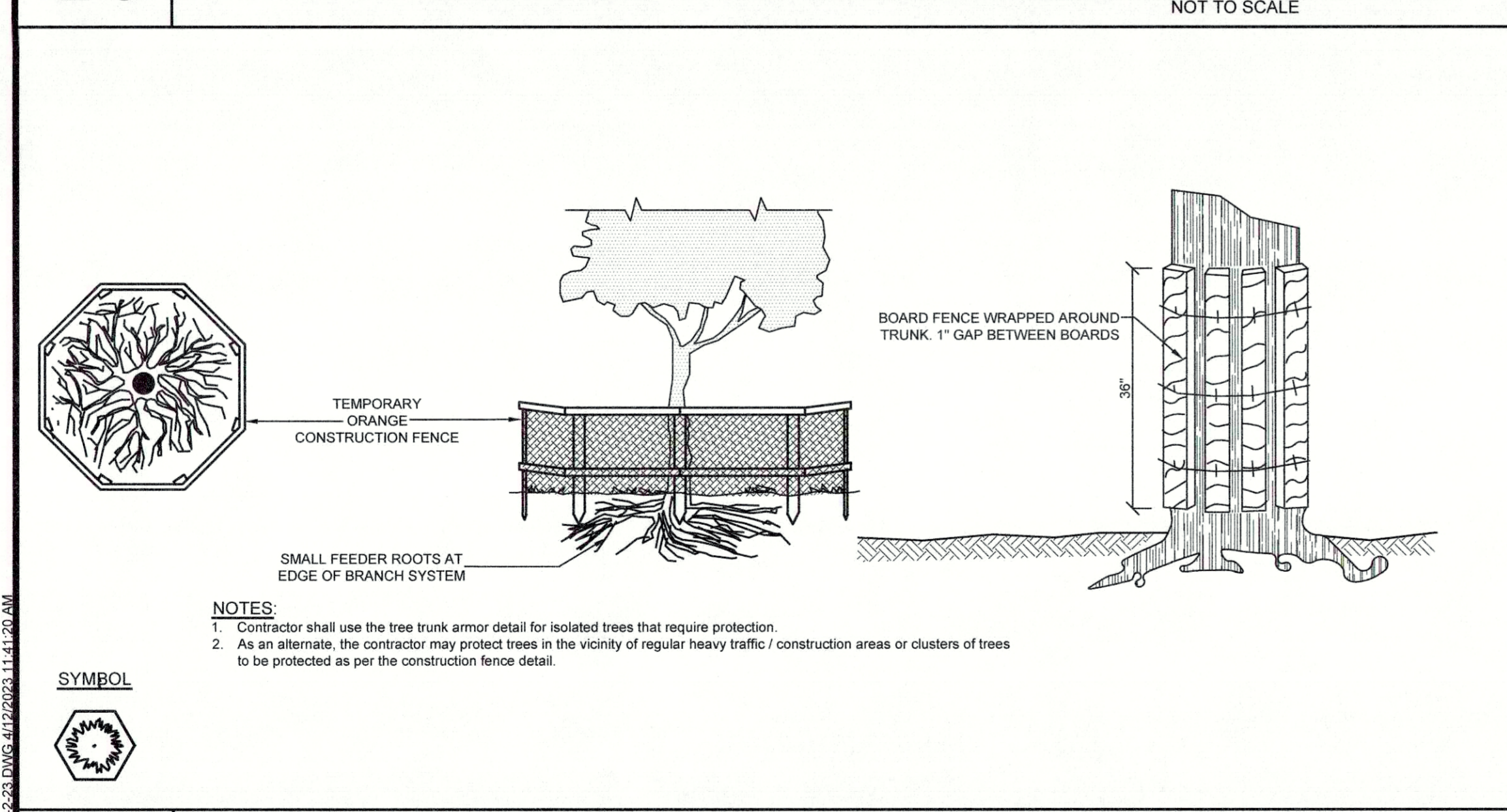
E-1 SILT FENCE DETAIL
NOT TO SCALE



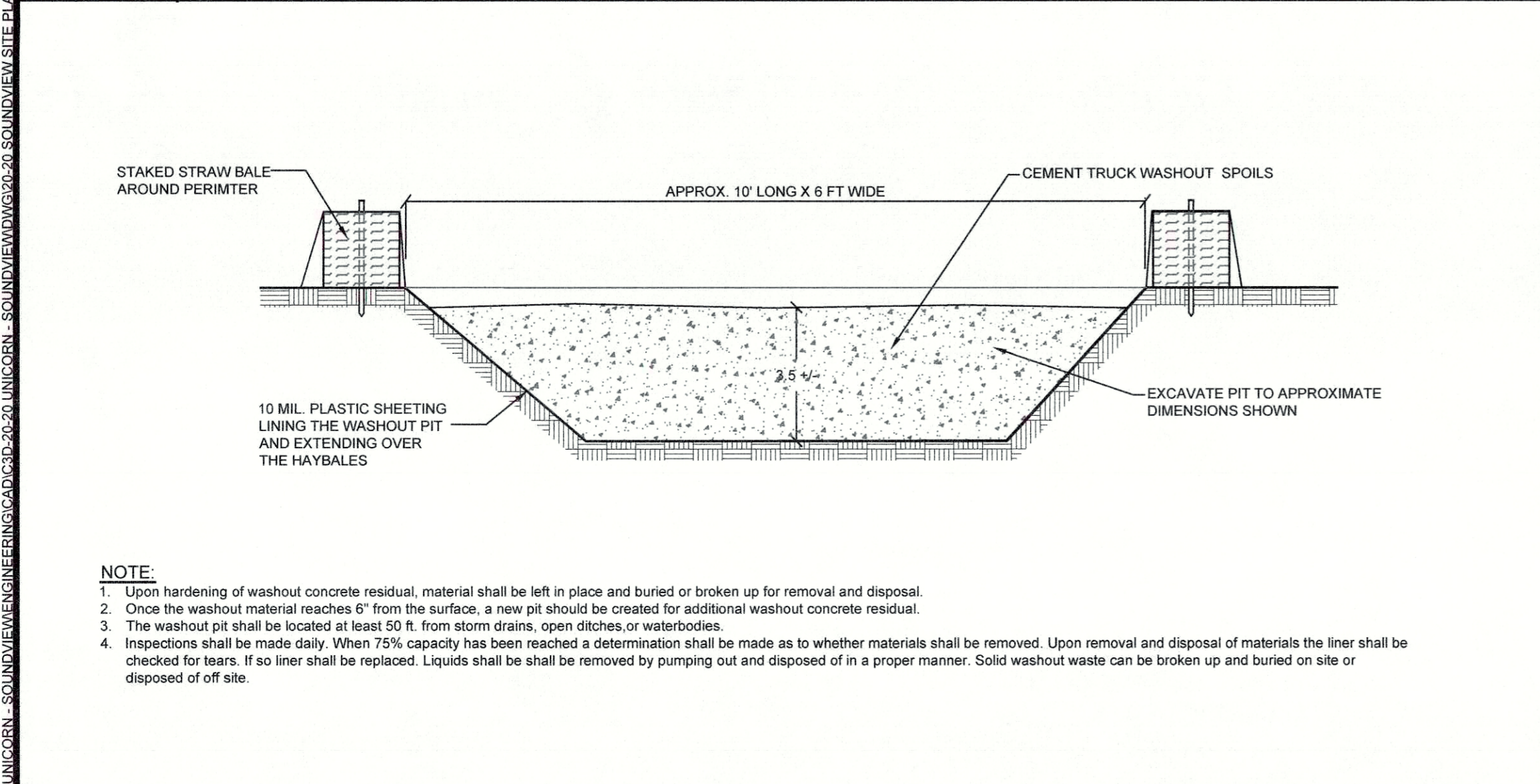
E-2 STONE & BLOCK INLET PROTECTION DETAIL
NOT TO SCALE



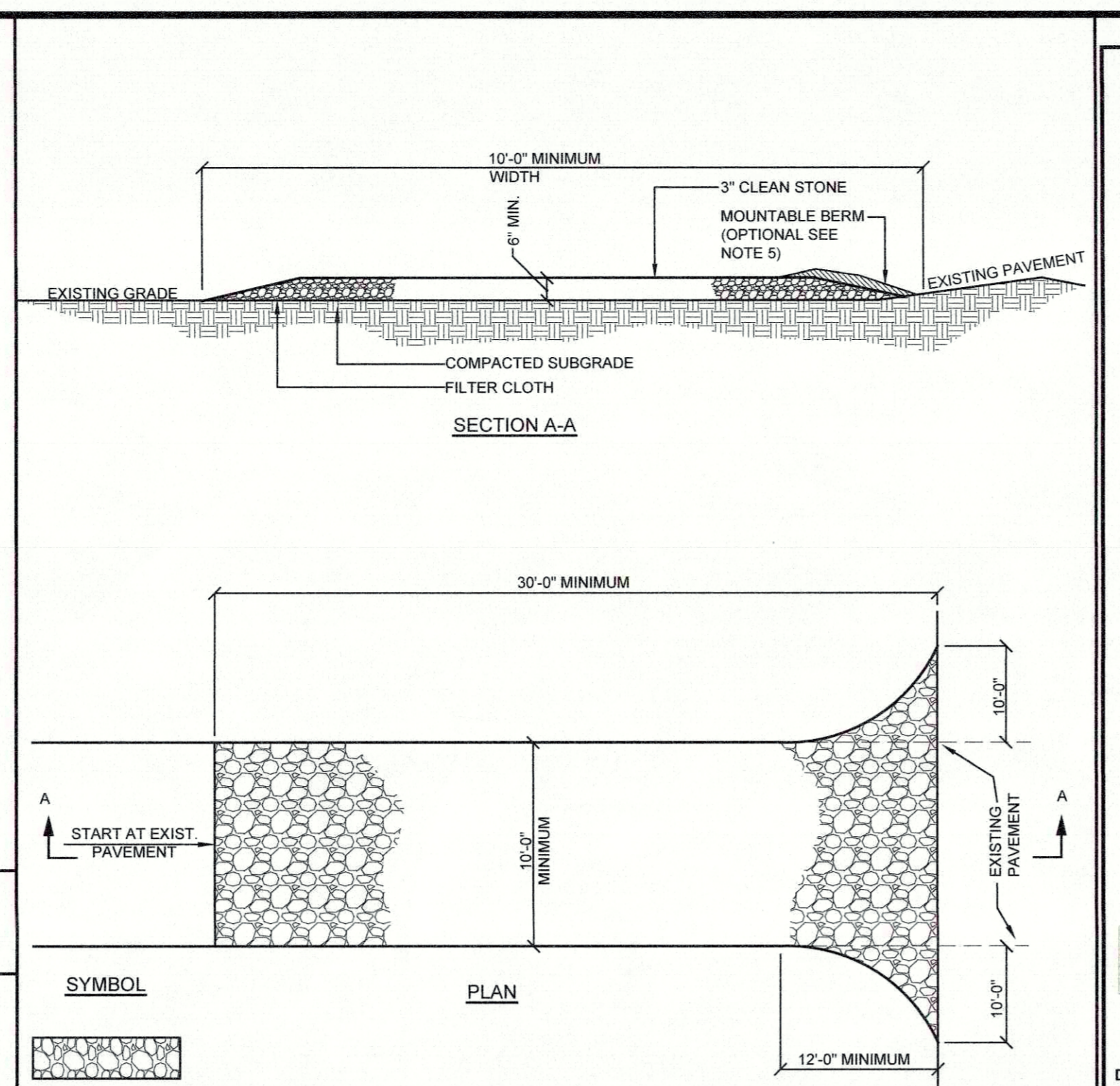
E-3 TREE PROTECTION PLAN FOR GRADE CHANGE DETAIL
NOT TO SCALE



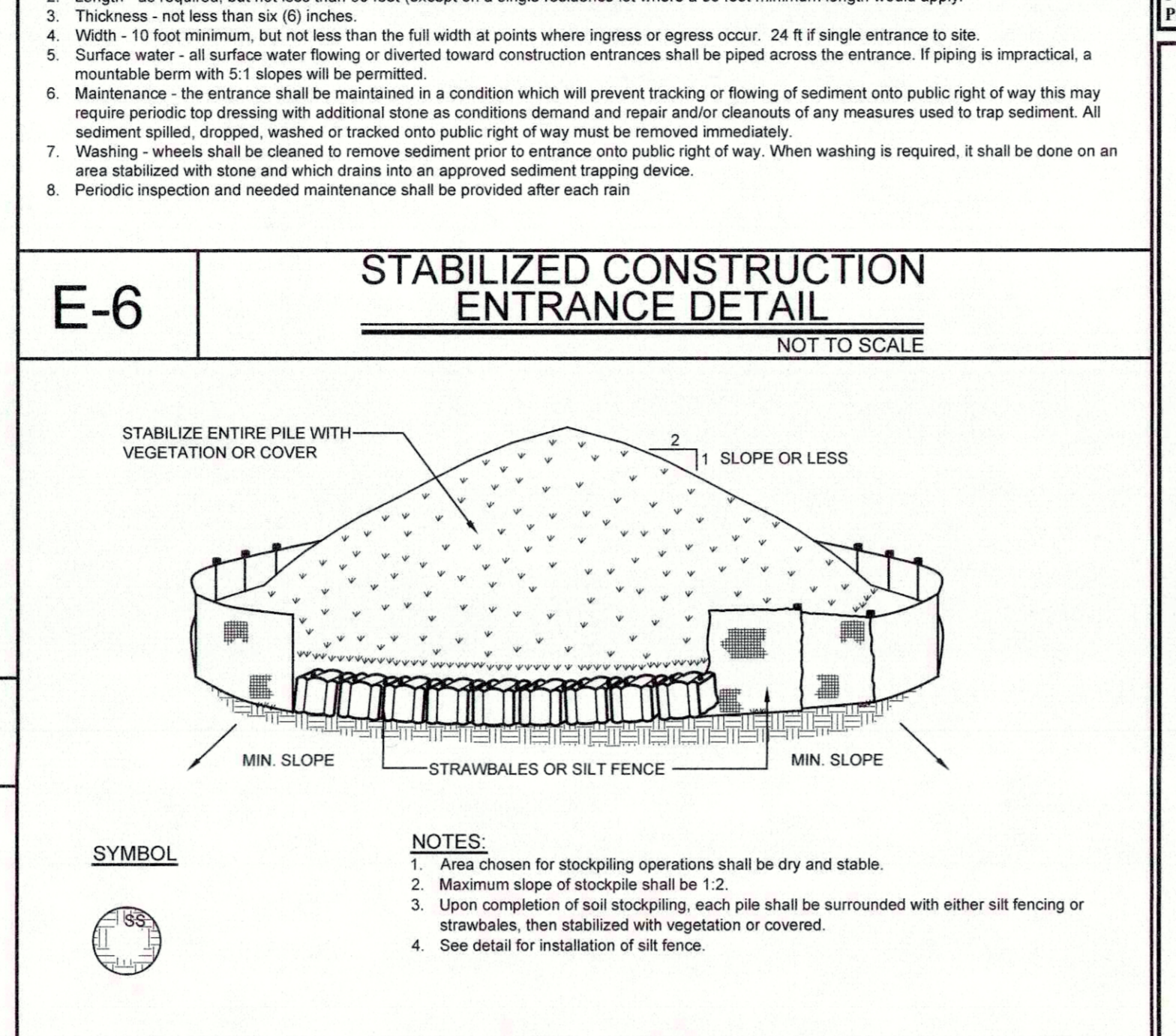
E-4 TREE TRUNK ARMOR / TREE PROTECTION DETAIL
NOT TO SCALE



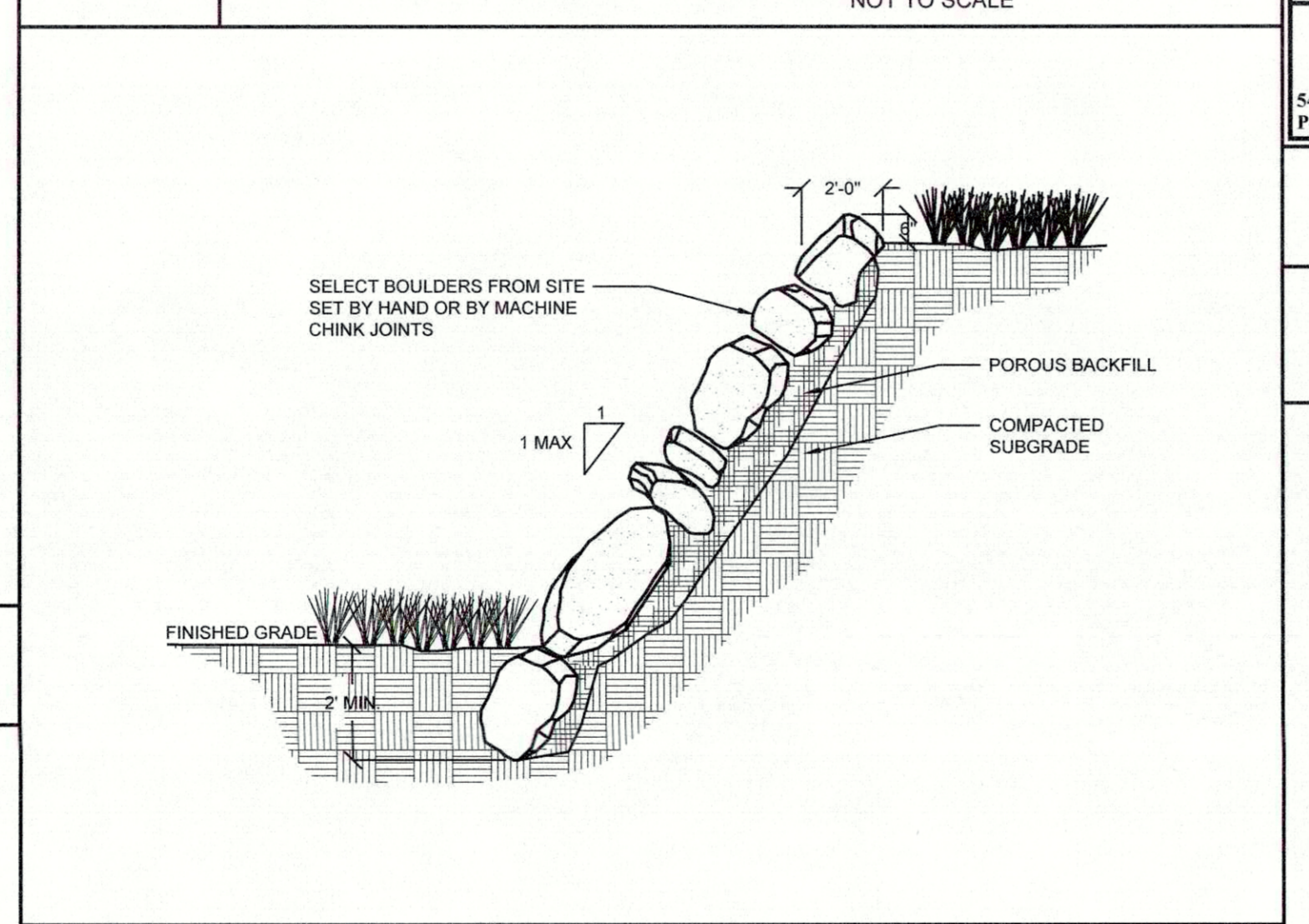
E-5 CEMENT TRUCK WASHOUT PIT DETAIL
NOT TO SCALE



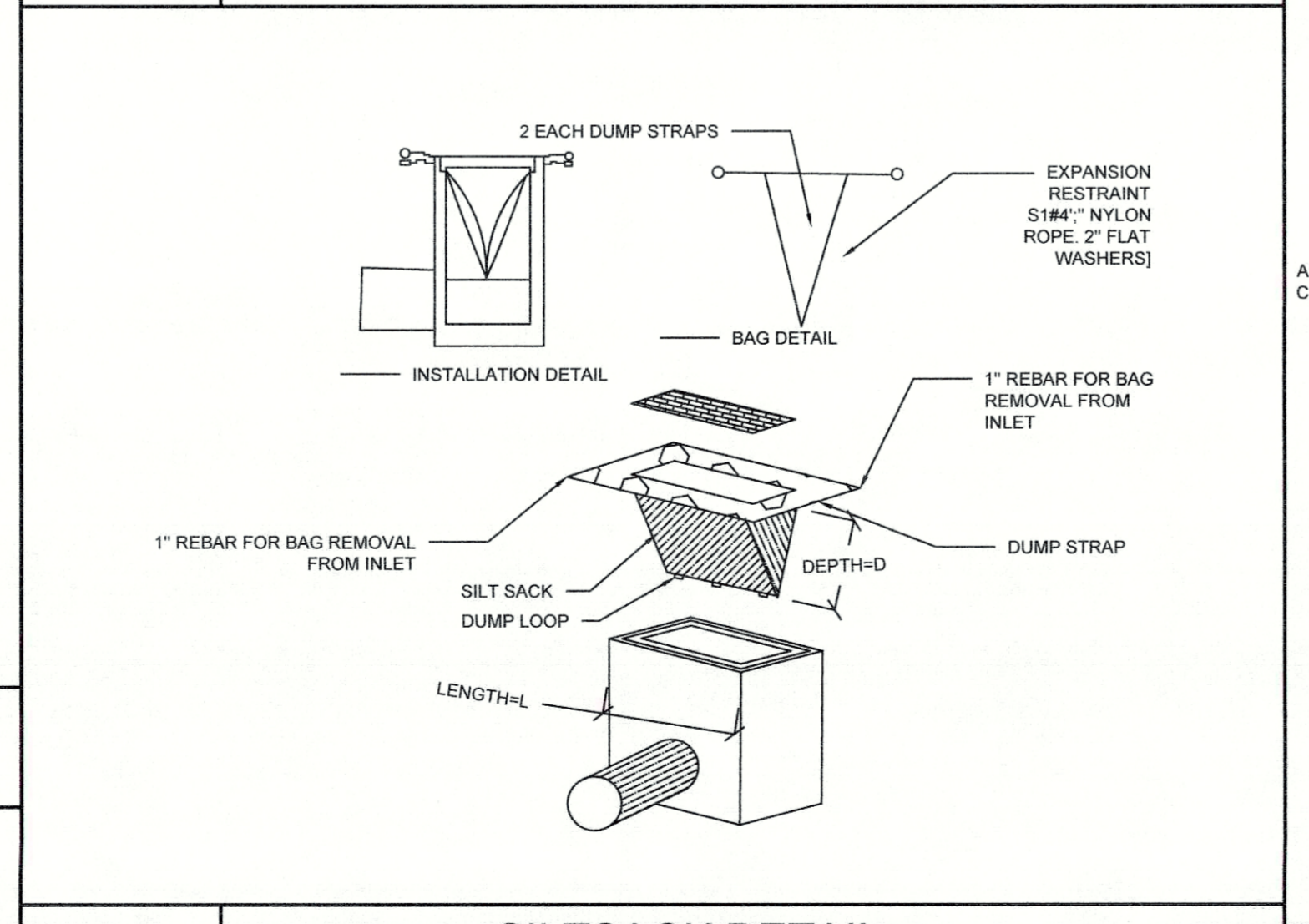
E-6 STABILIZED CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE



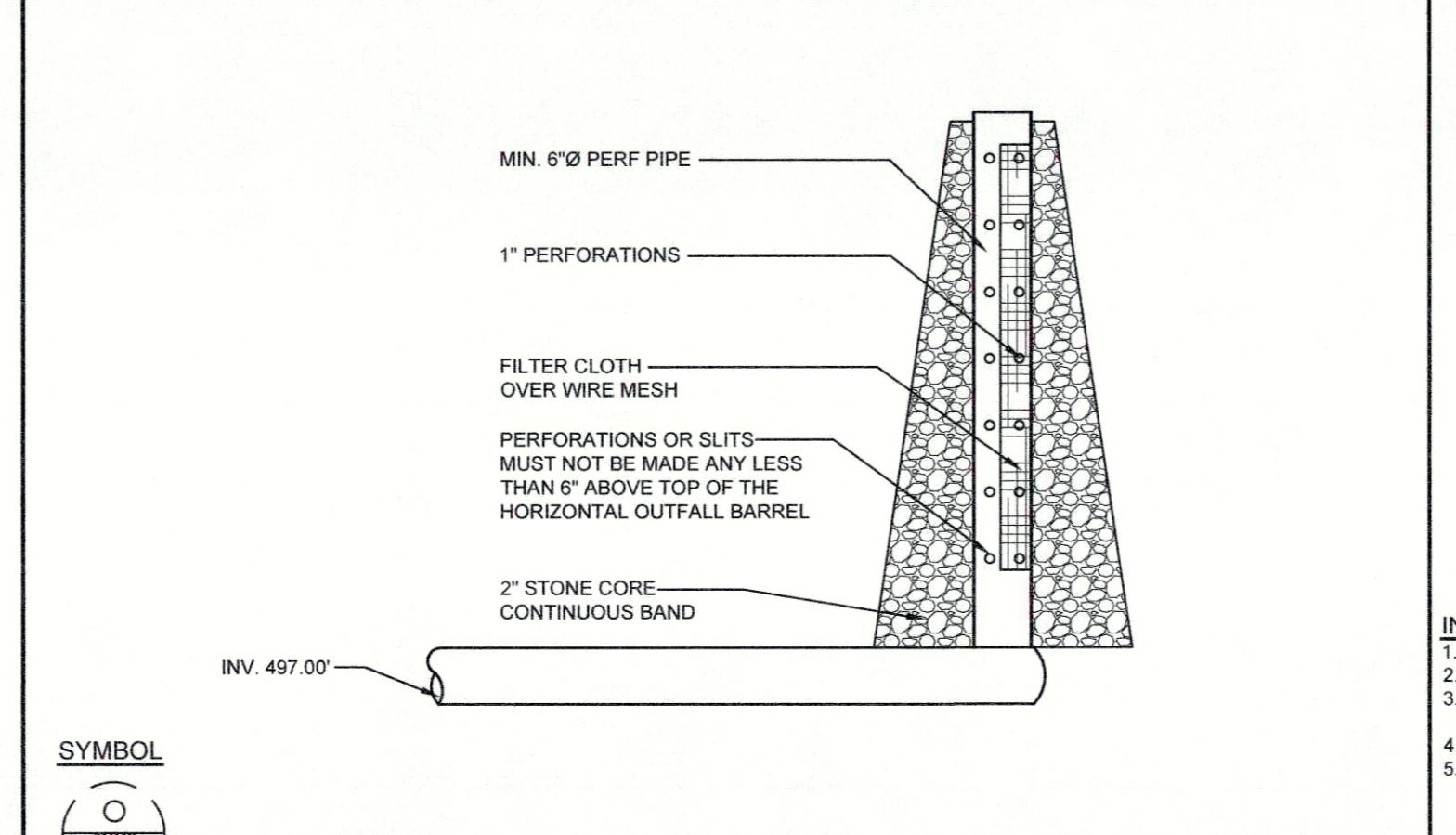
E-7 SOIL STOCKPILE DETAIL
NOT TO SCALE



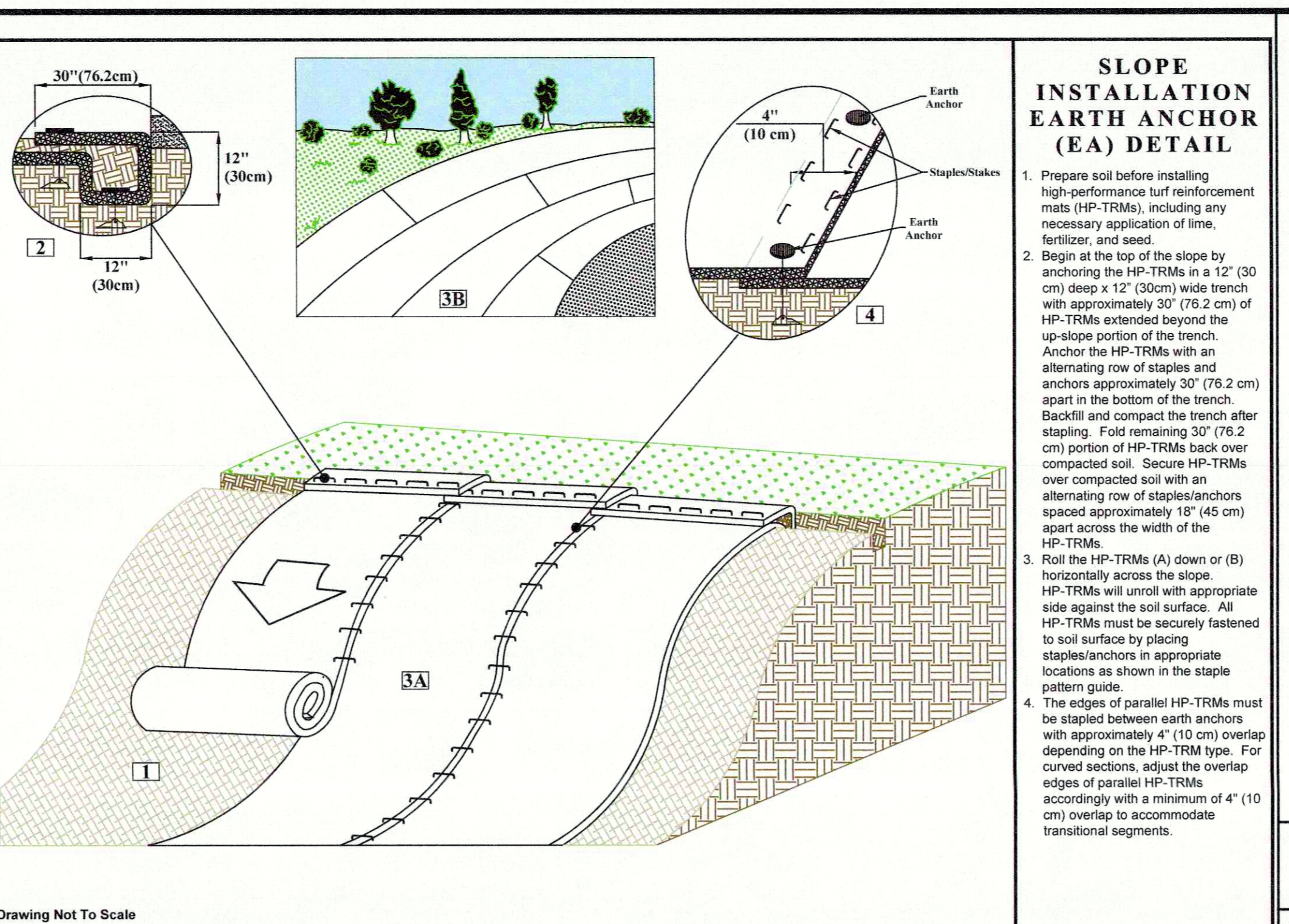
E-8 RIP RAP SLOPE DETAIL
NOT TO SCALE



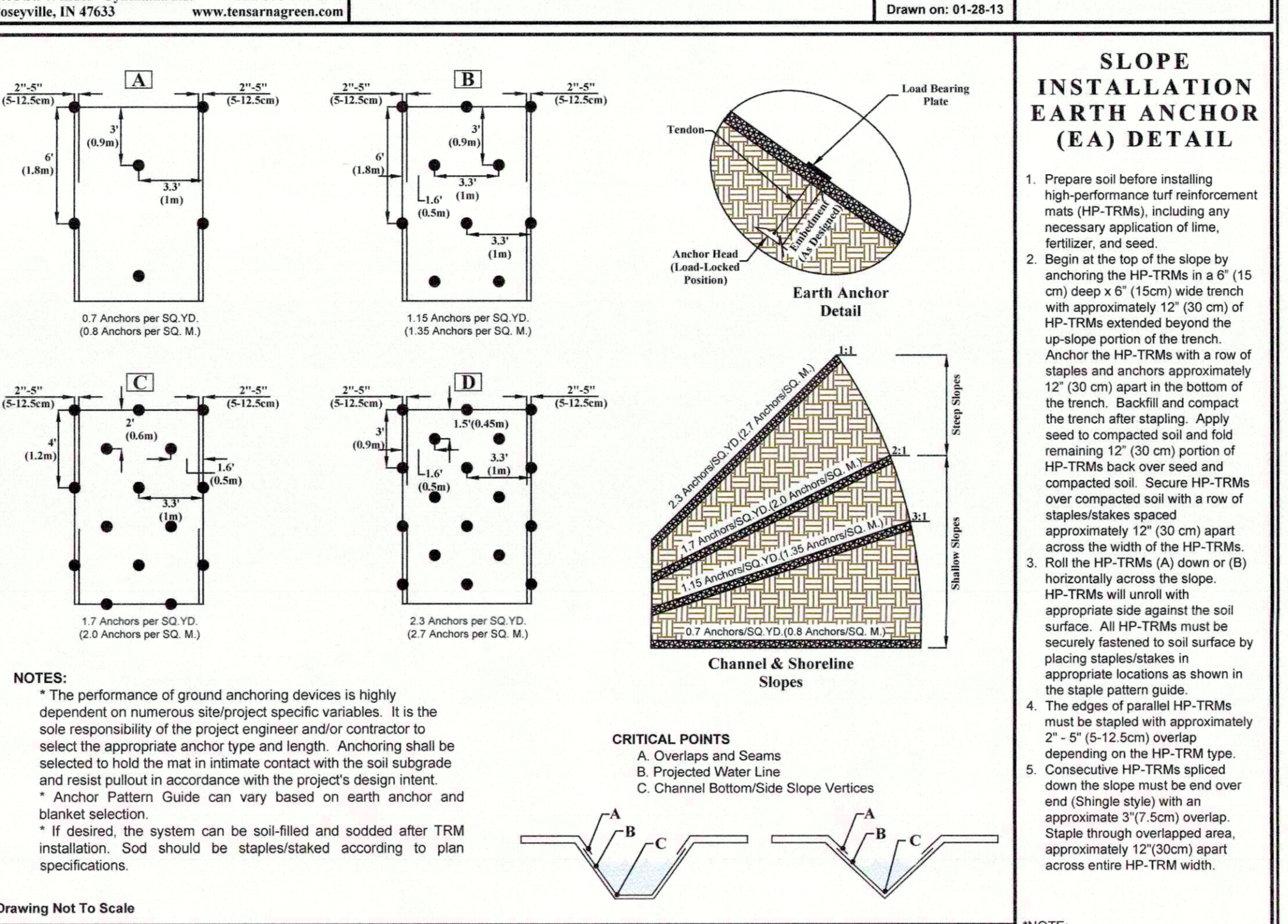
E-9 SILTSACK DETAIL
NOT TO SCALE



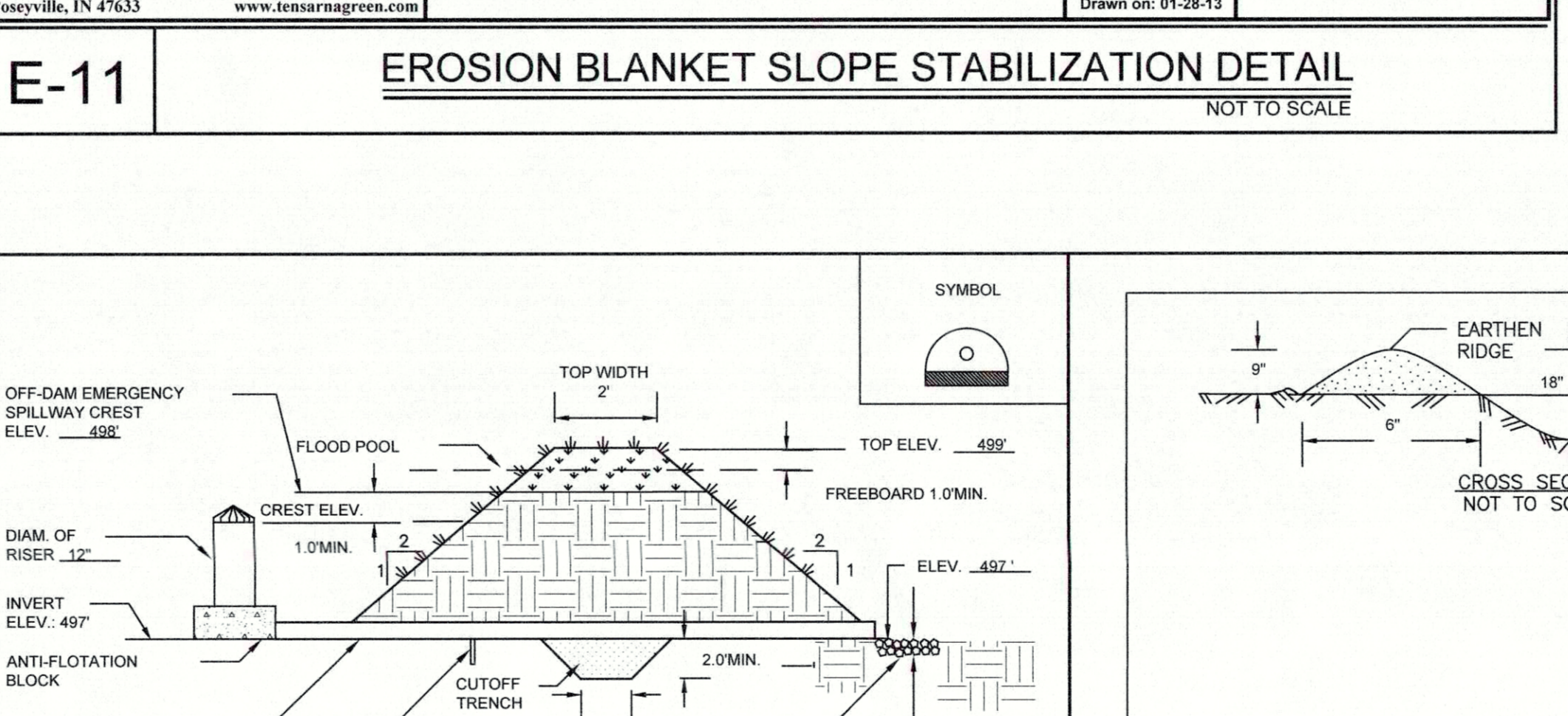
E-10 TEMPORARY SEDIMENT BASIN OUTLET DETAIL
NOT TO SCALE



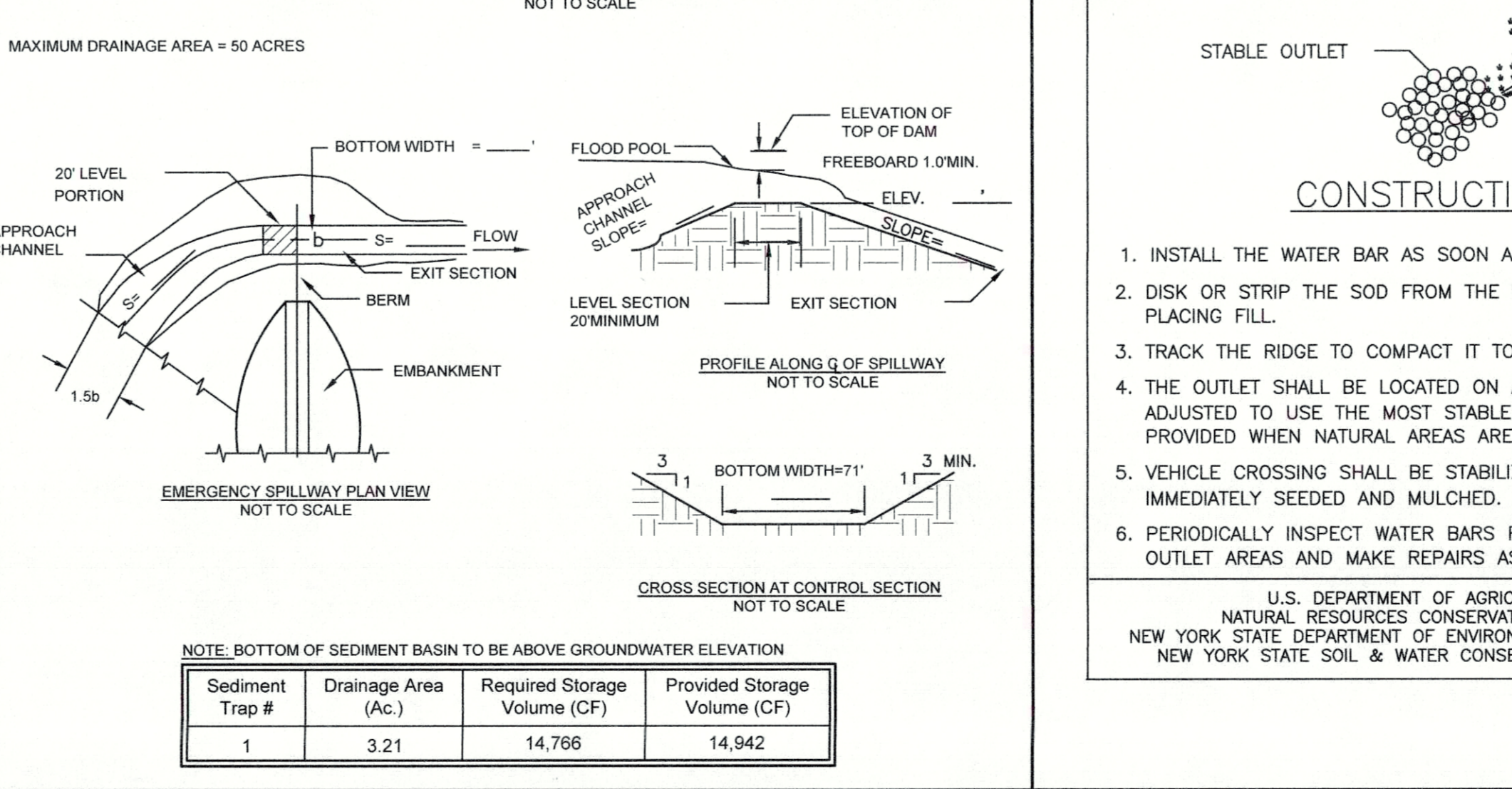
E-11 EROSION BLANKET SLOPE STABILIZATION DETAIL
NOT TO SCALE



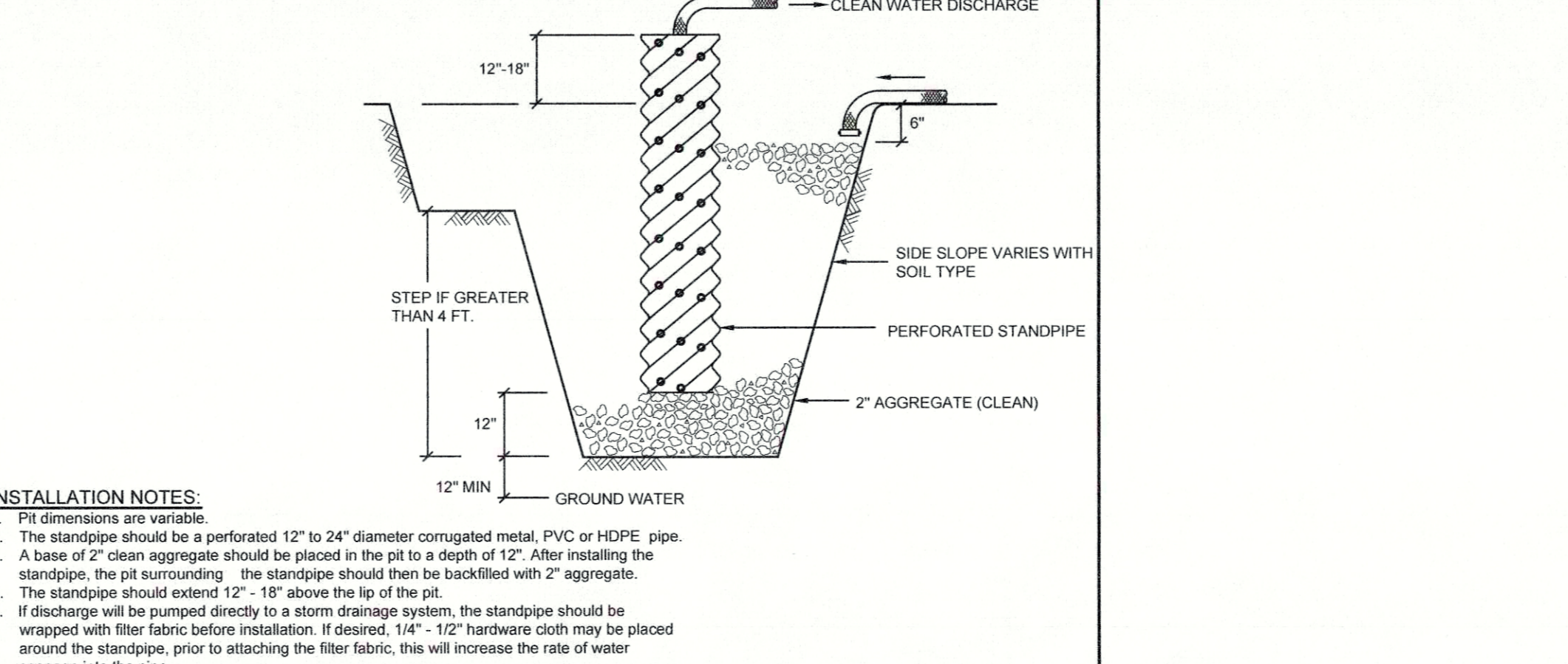
E-12 SEDIMENT BASIN
NOT TO SCALE



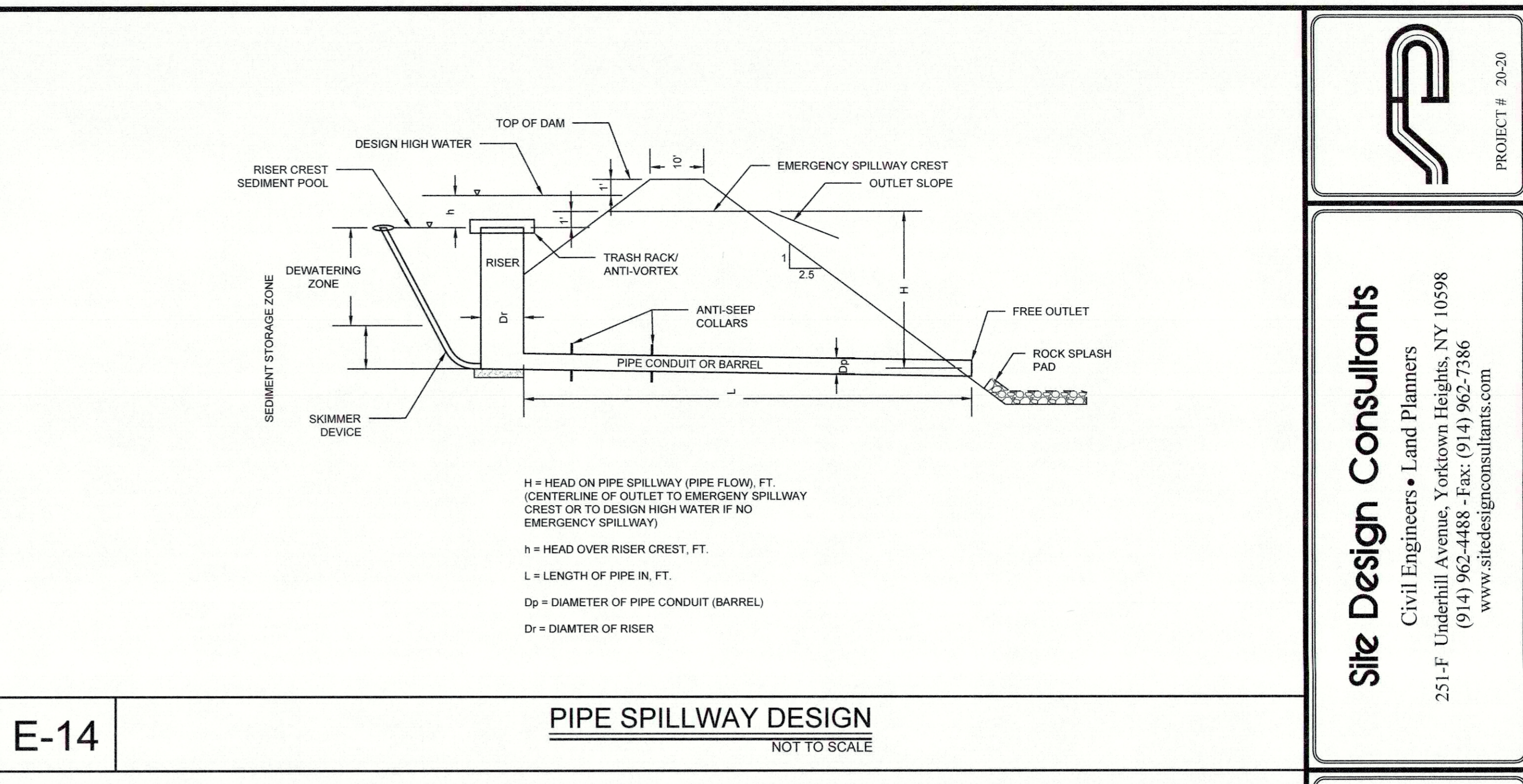
E-13 DEWATERING PIT DETAIL
NOT TO SCALE



E-14 WATER BAR DETAIL
NOT TO SCALE



E-14 WATER BAR DETAIL
NOT TO SCALE



E-14 PIPE SPILLWAY DESIGN
NOT TO SCALE



E-14 WATER BAR DETAIL
NOT TO SCALE



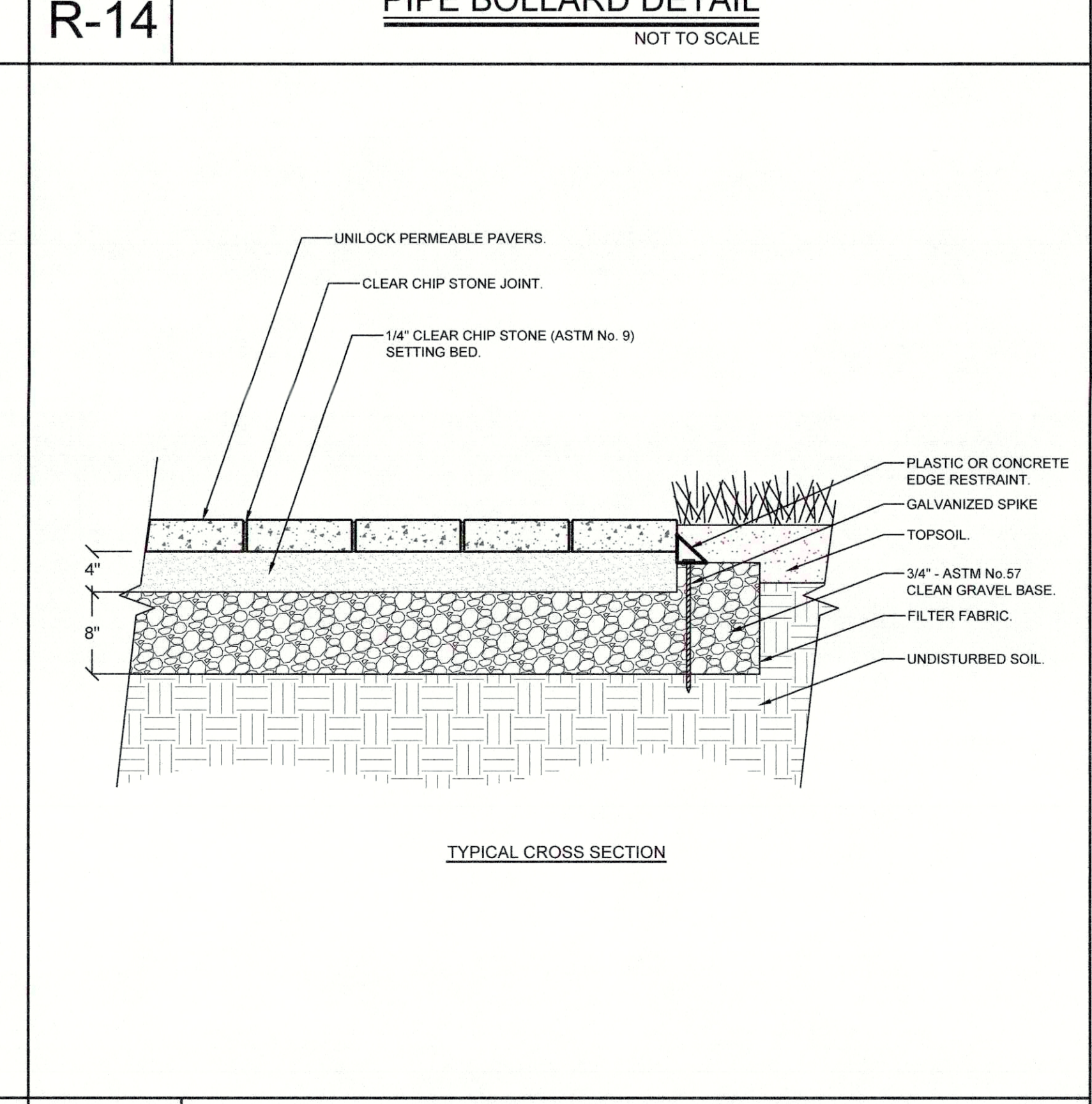
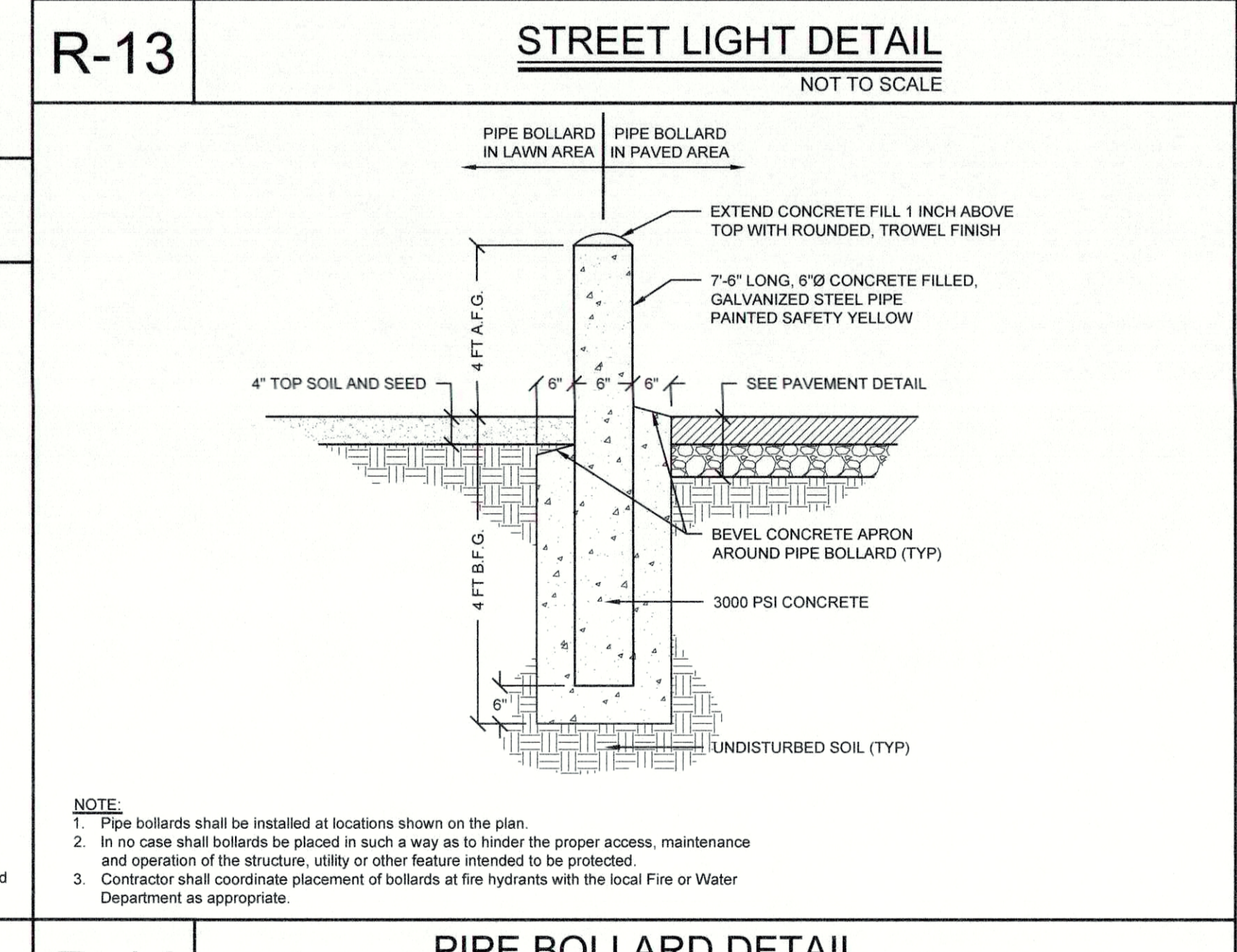
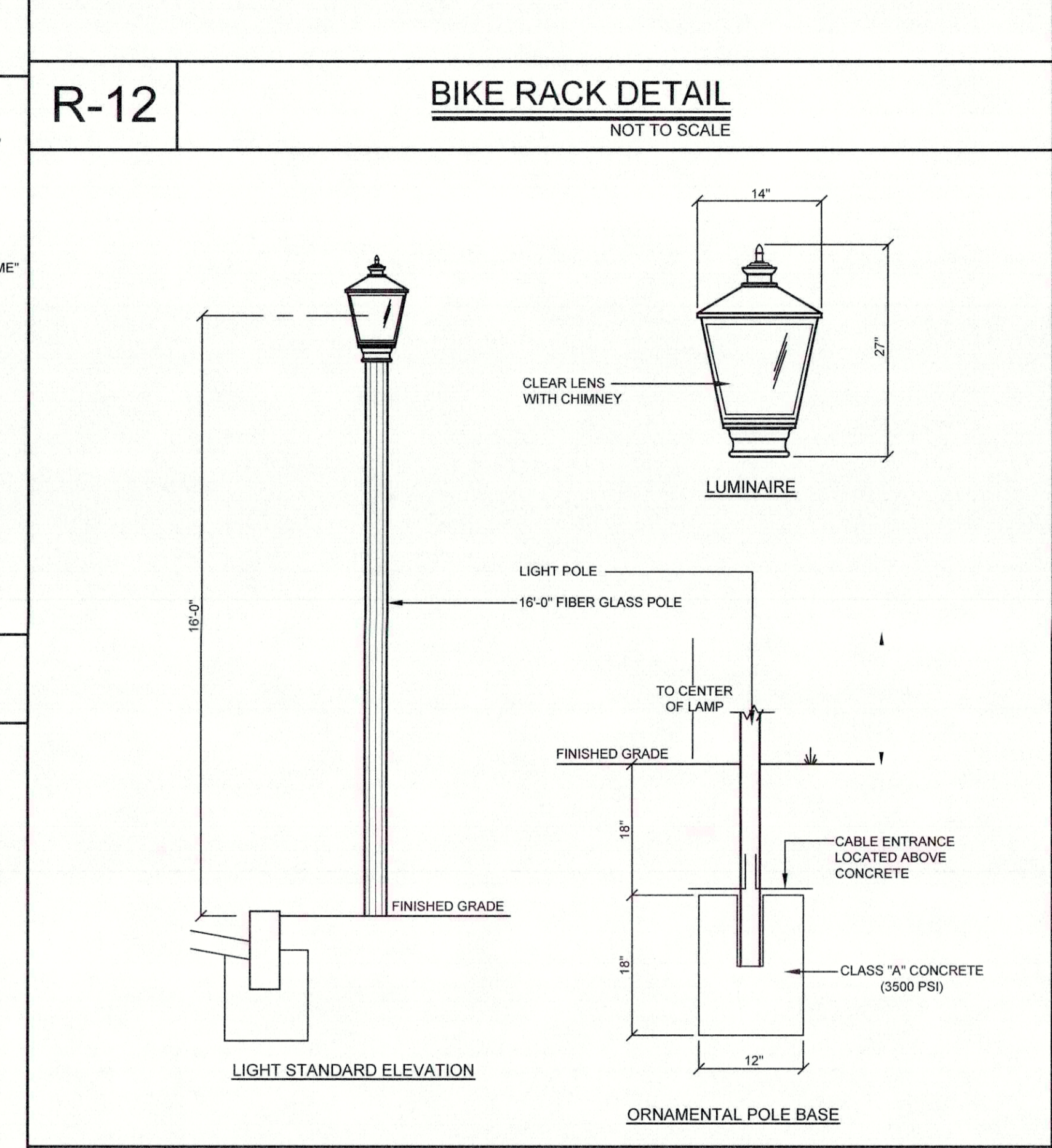
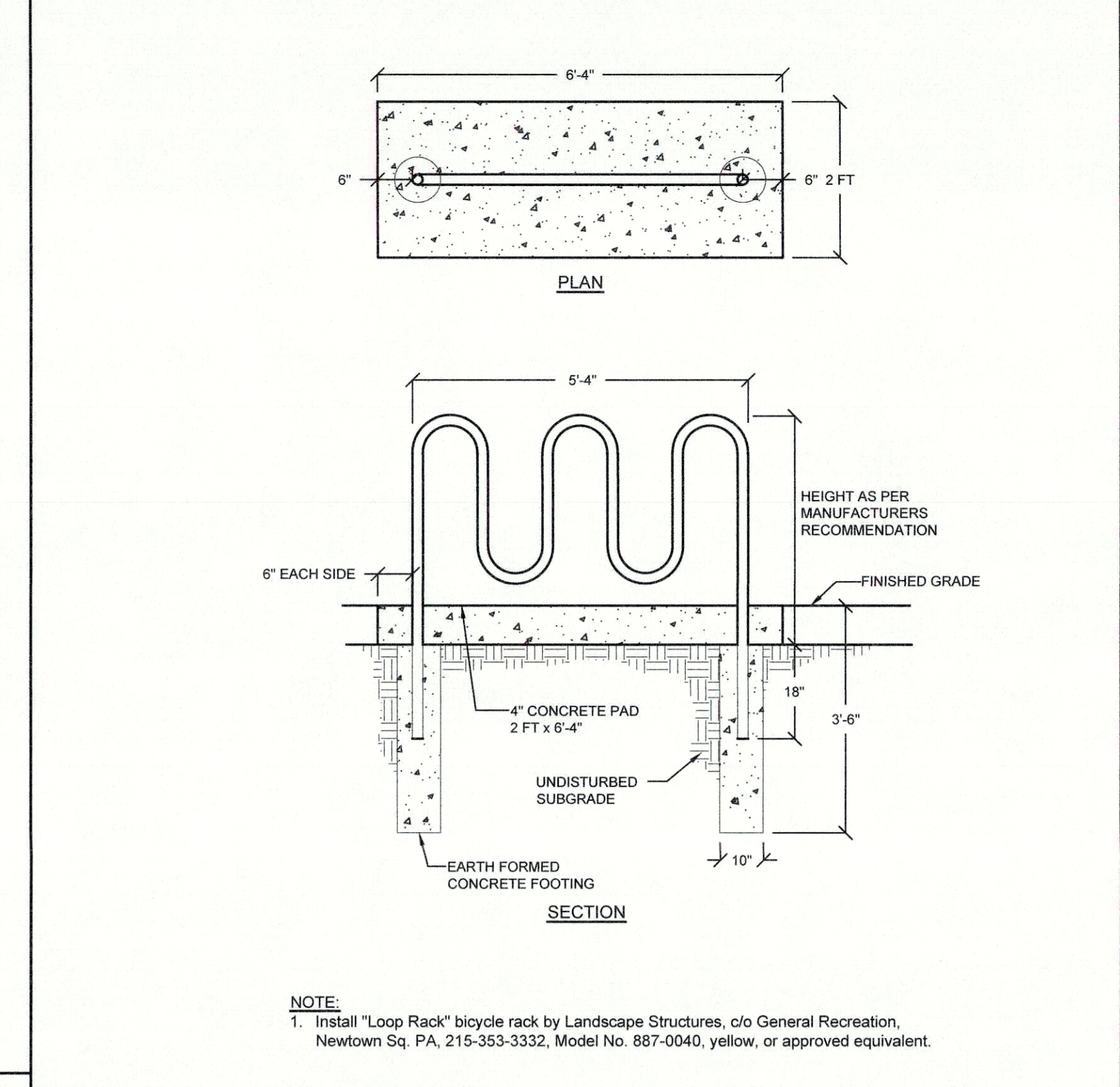
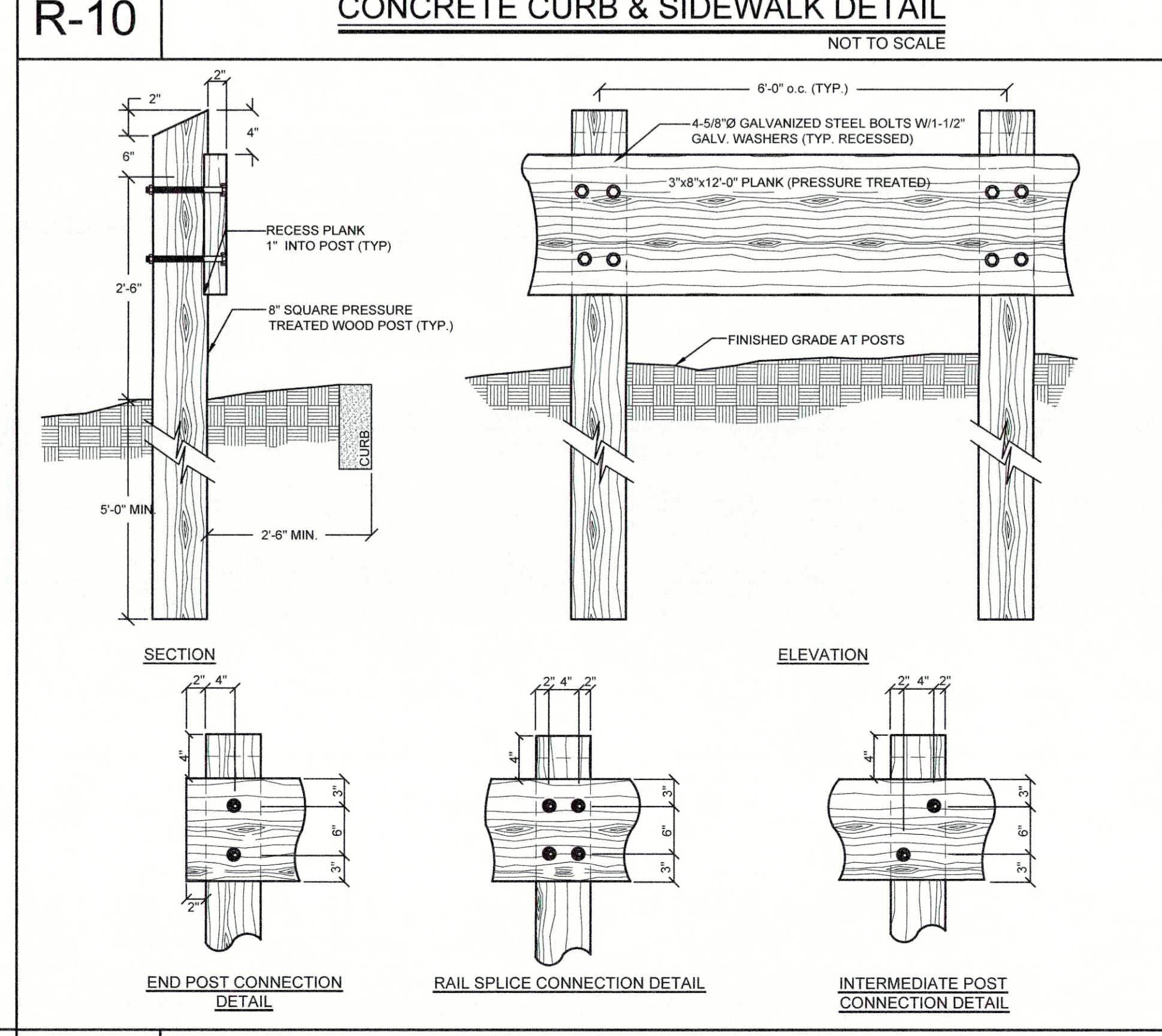
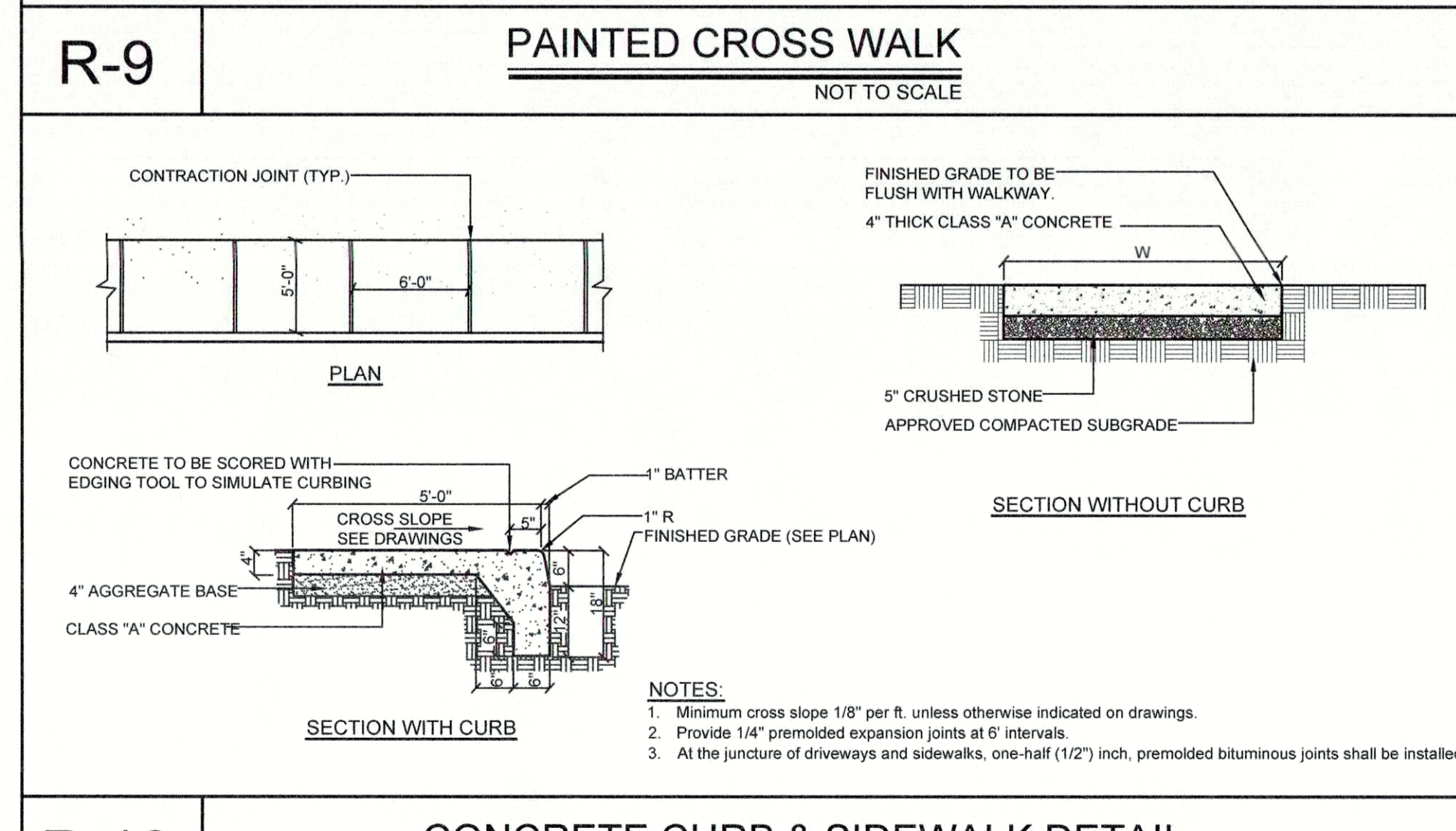
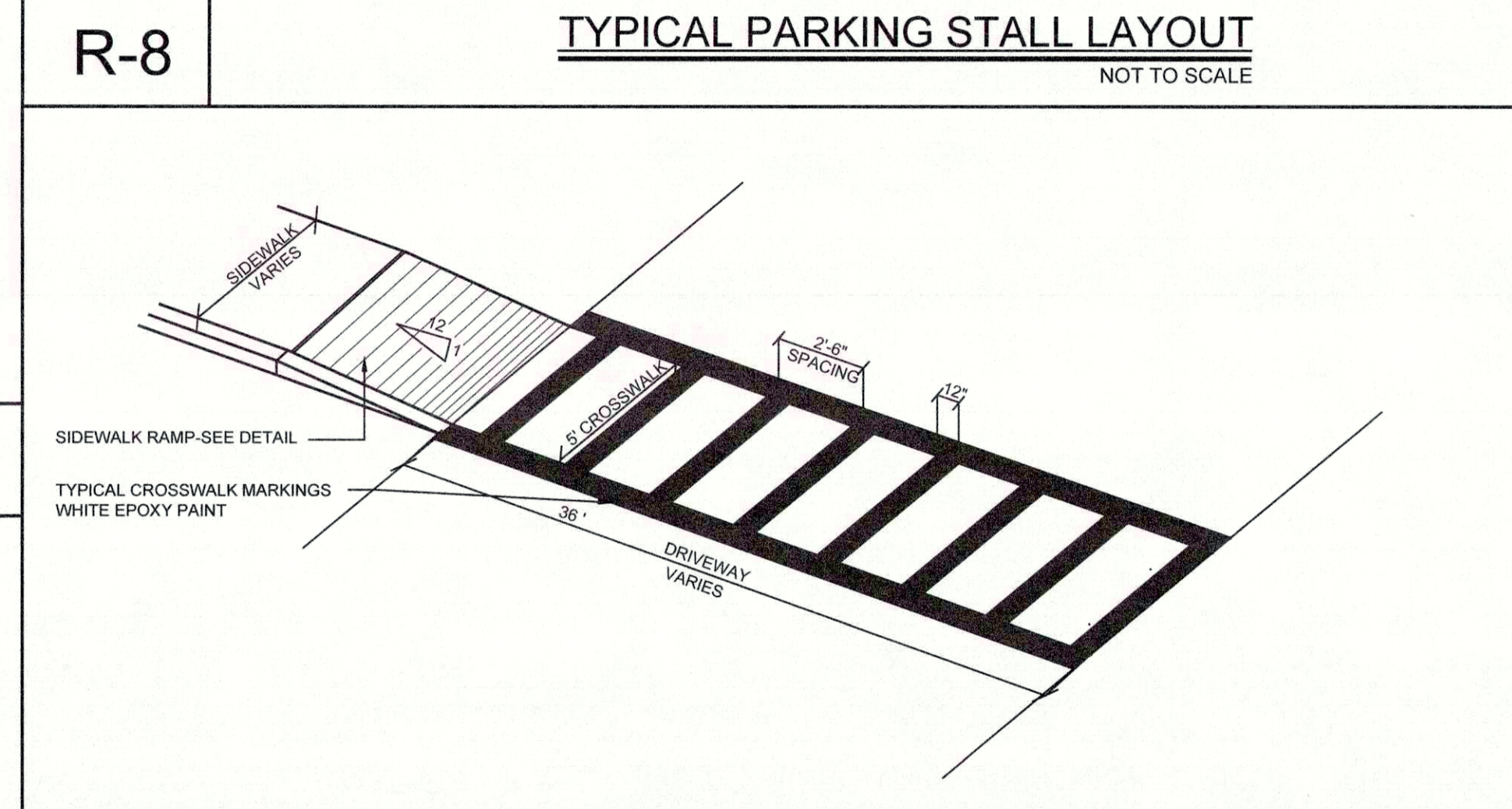
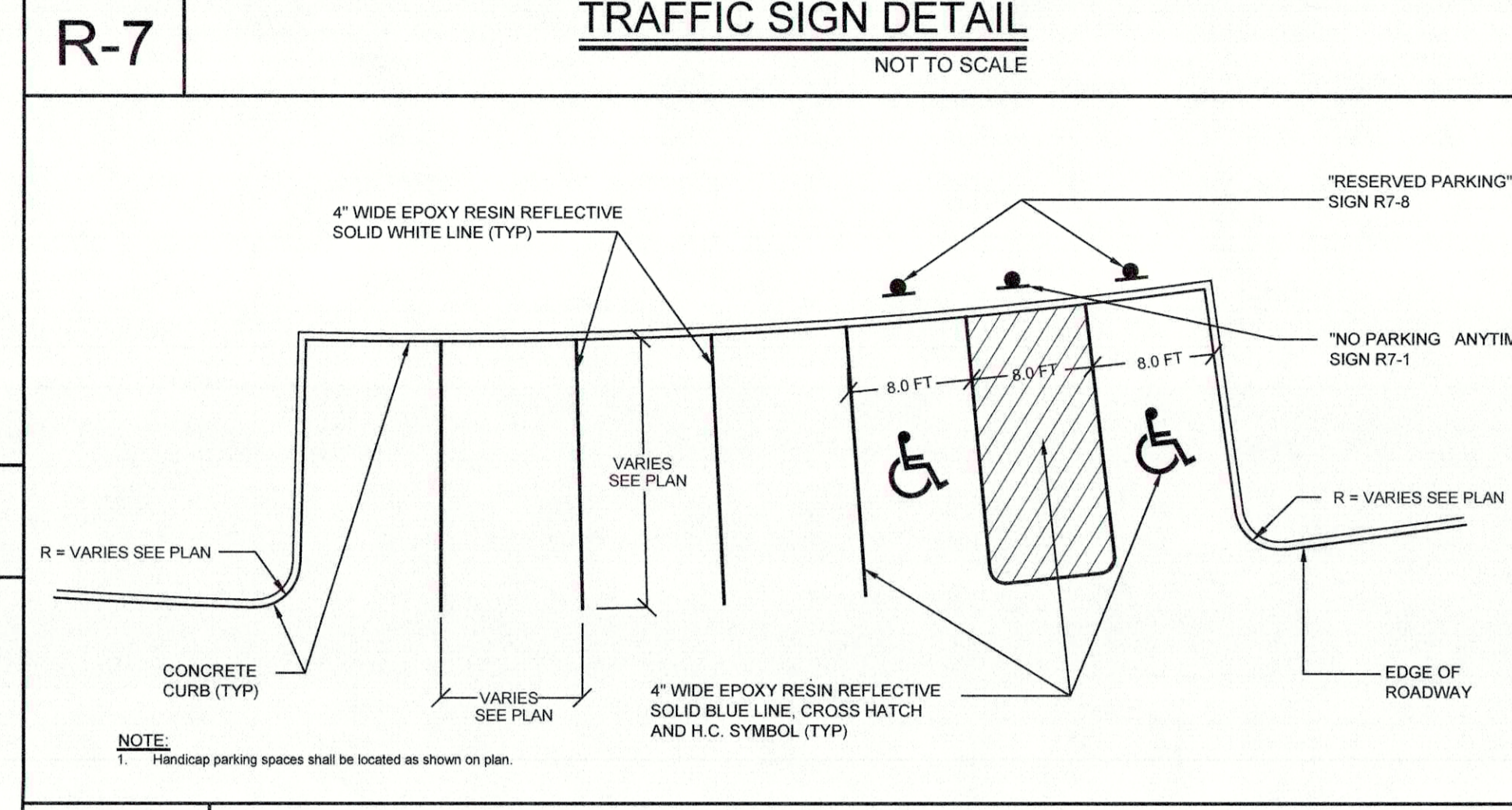
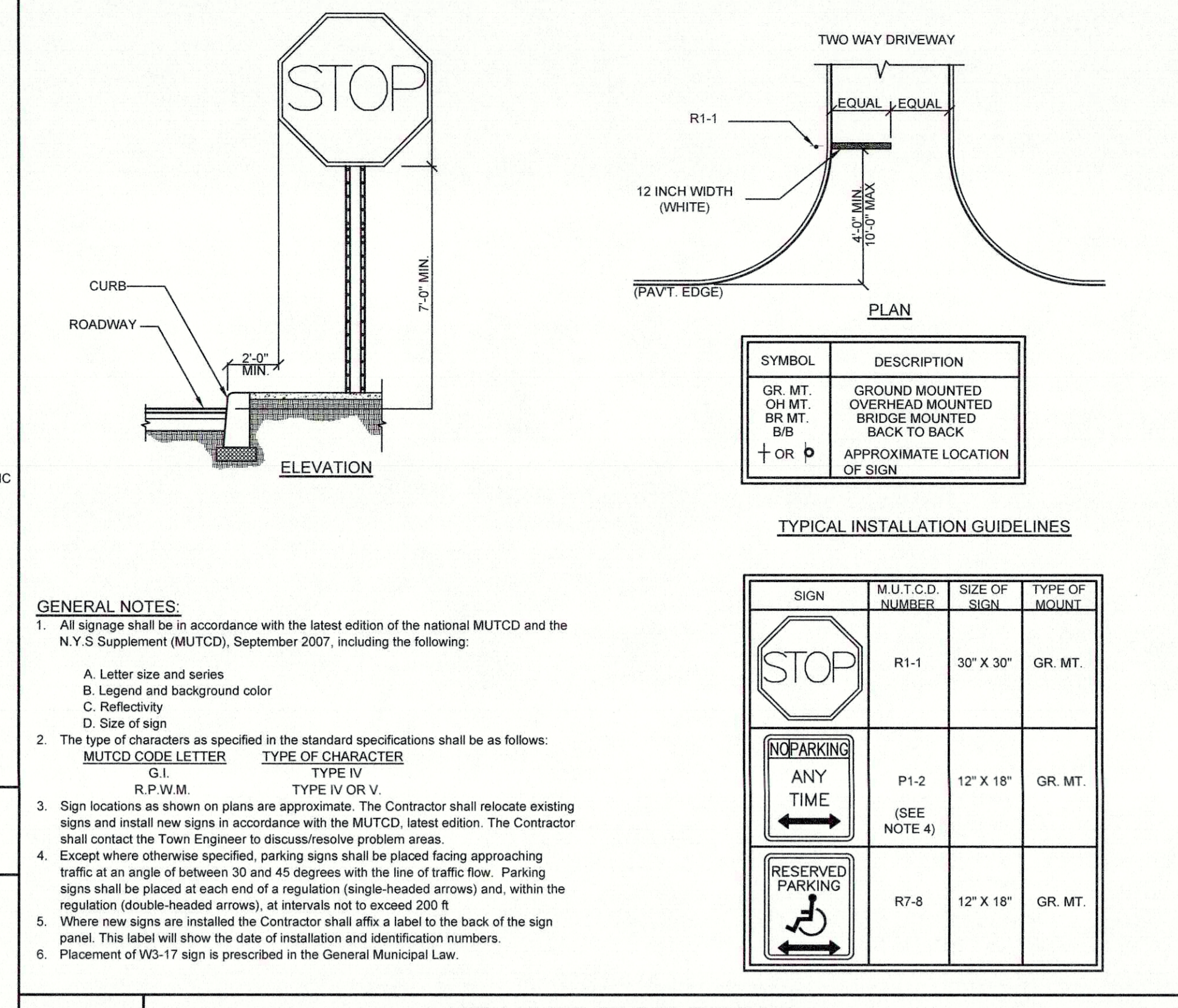
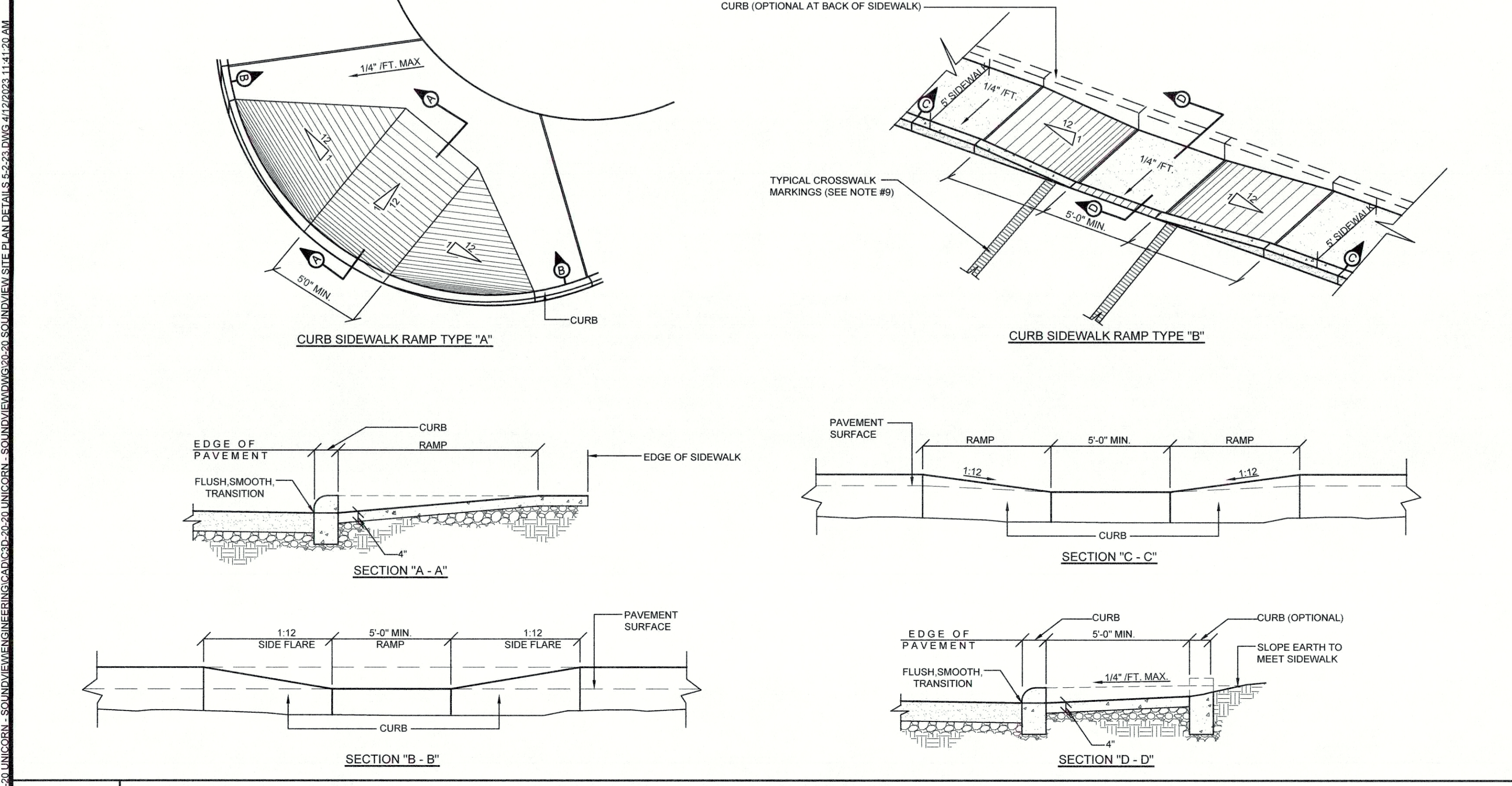
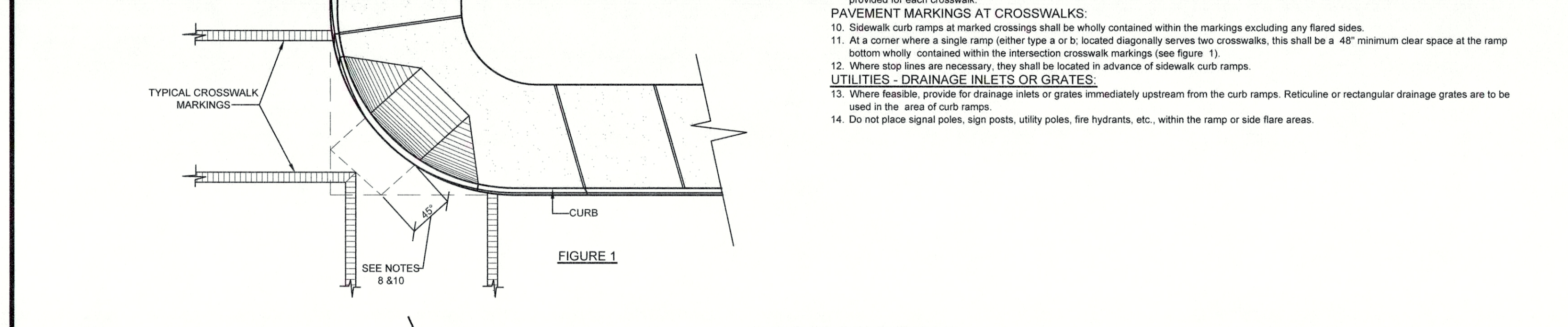
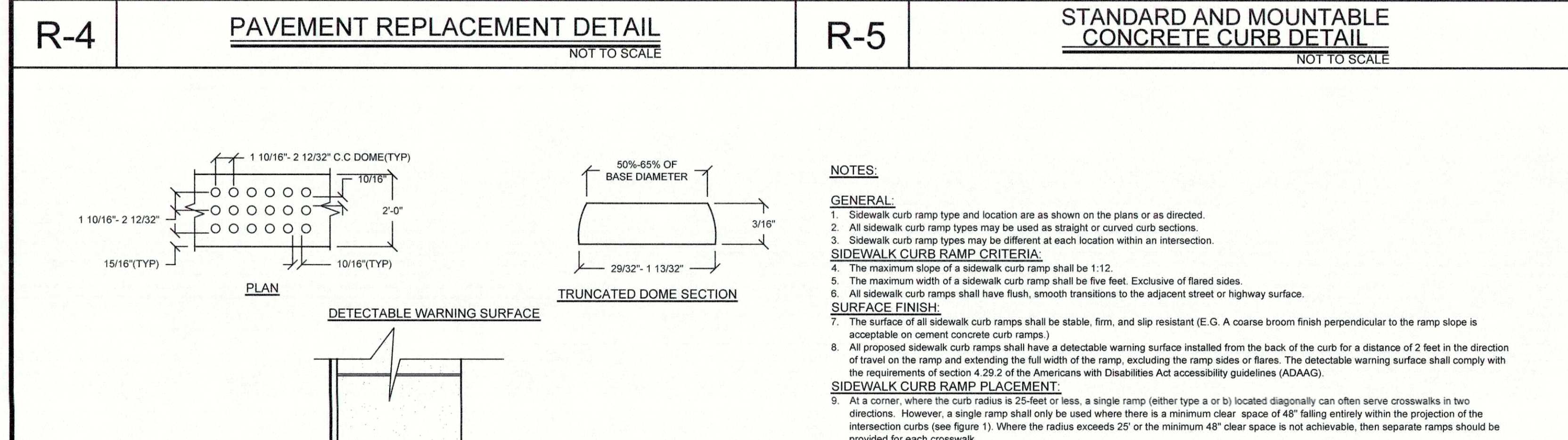
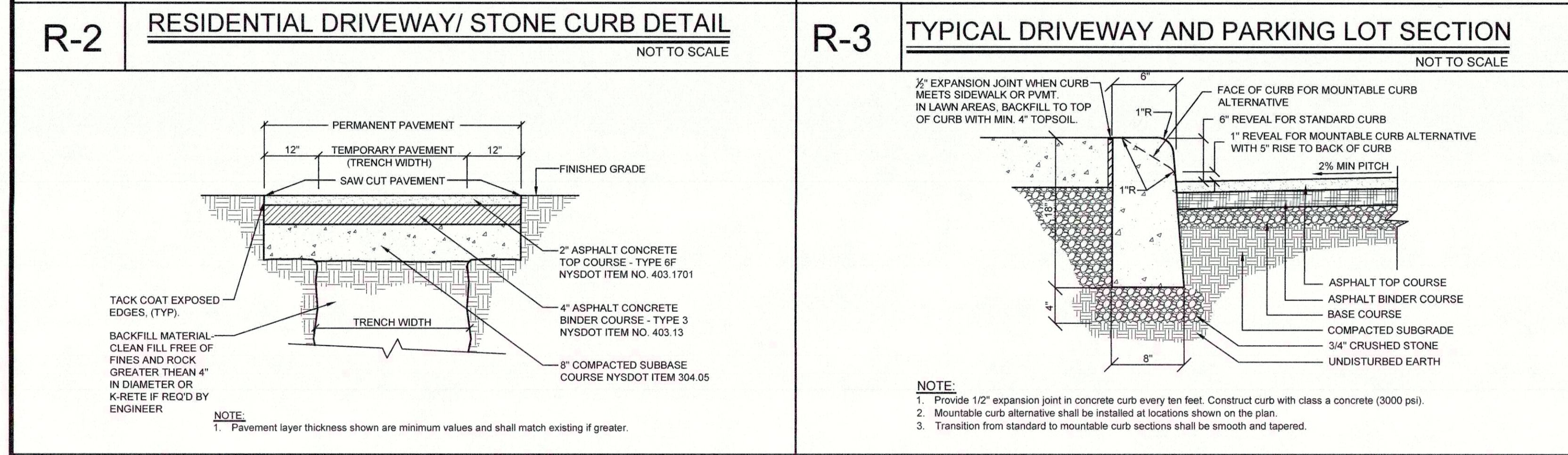
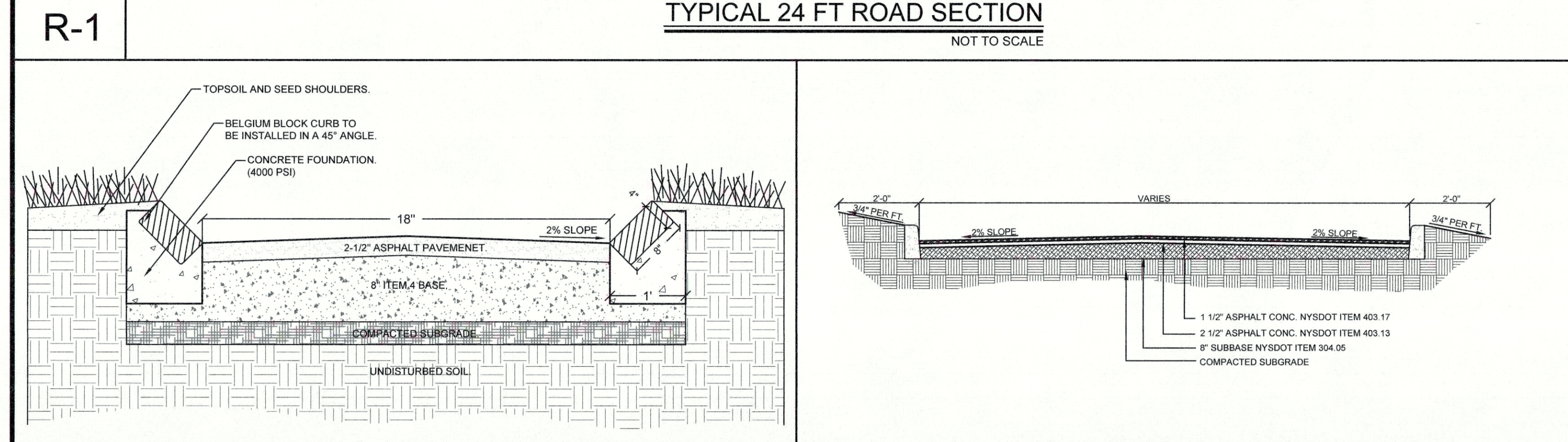
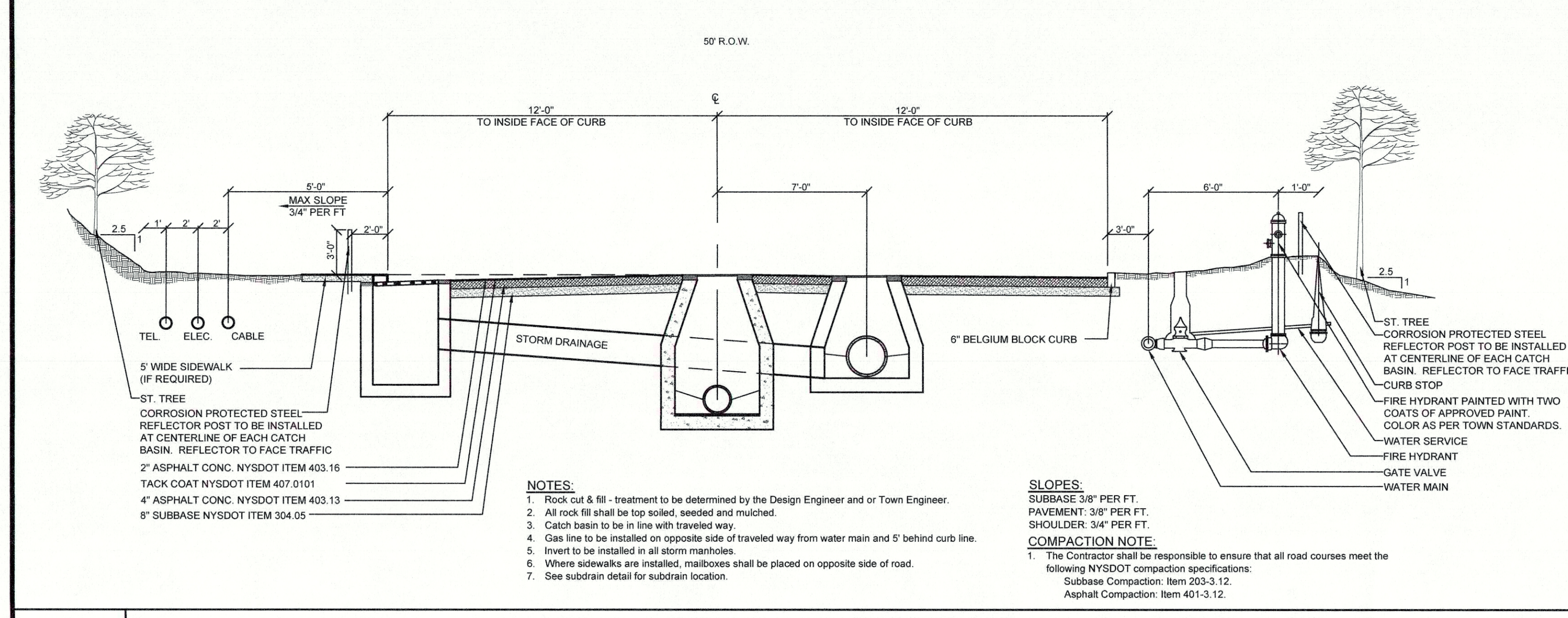
E-14 WATER BAR DETAIL
NOT TO SCALE



E-14 WATER BAR DETAIL
NOT TO SCALE



E-14 WATER BAR DETAIL
NOT TO SCALE



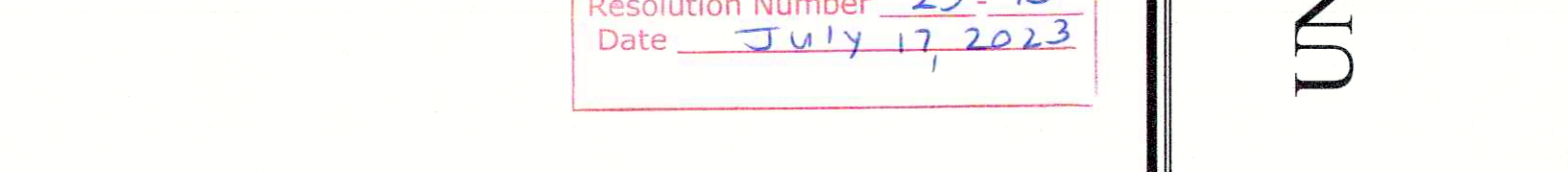
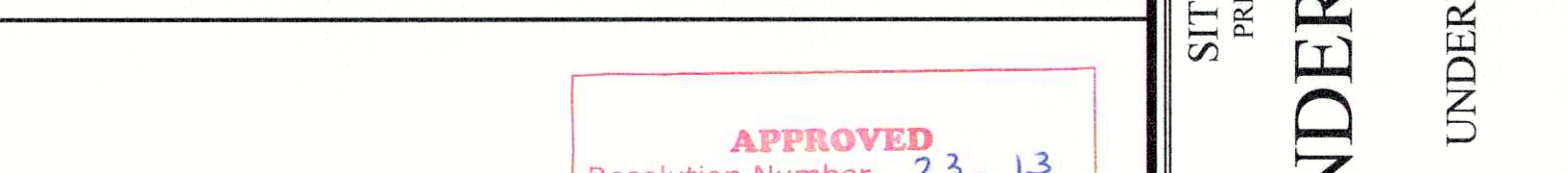
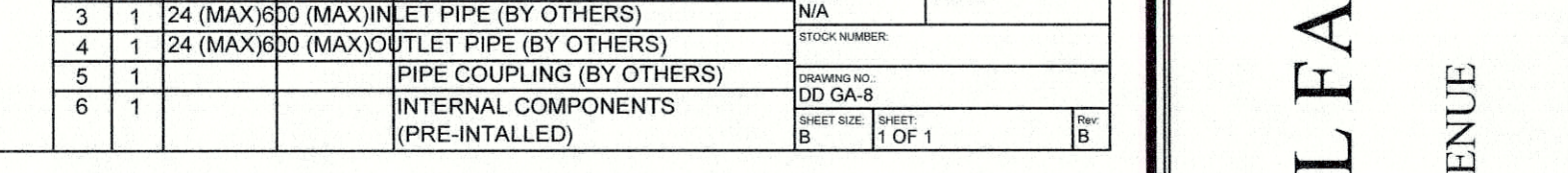
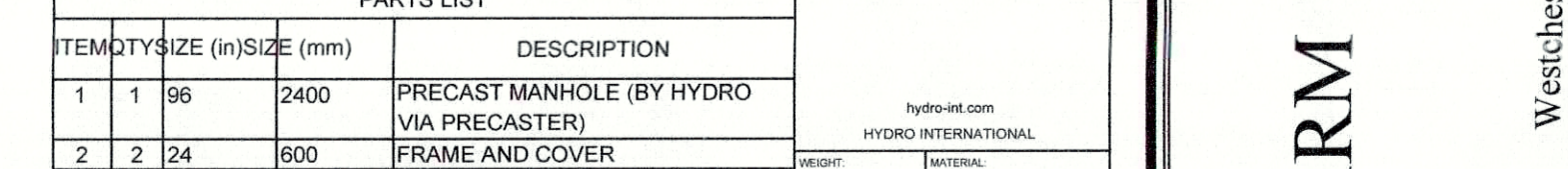
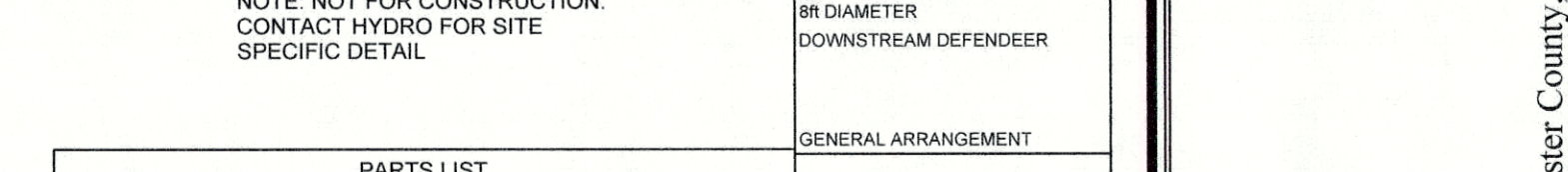
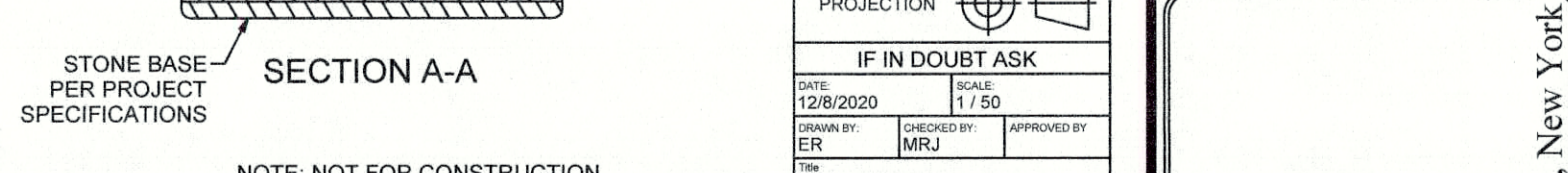
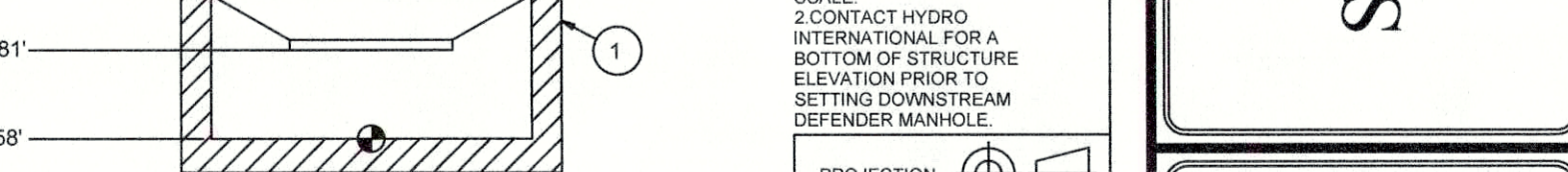
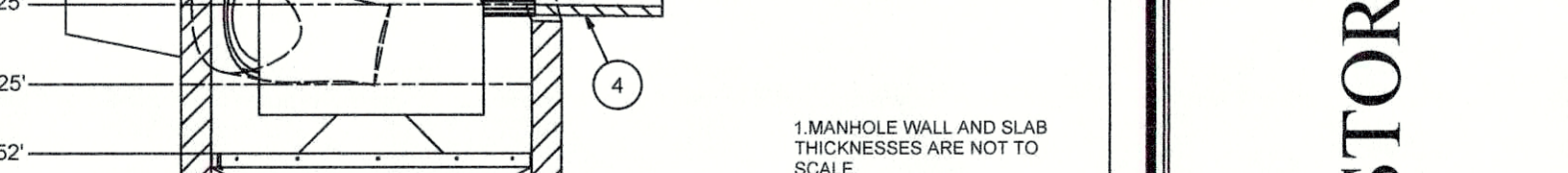
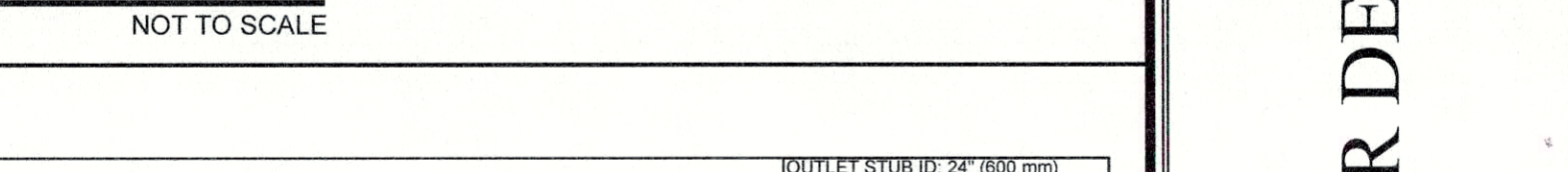
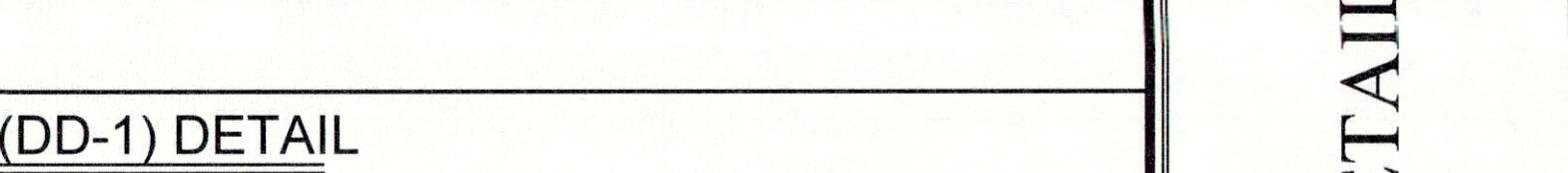
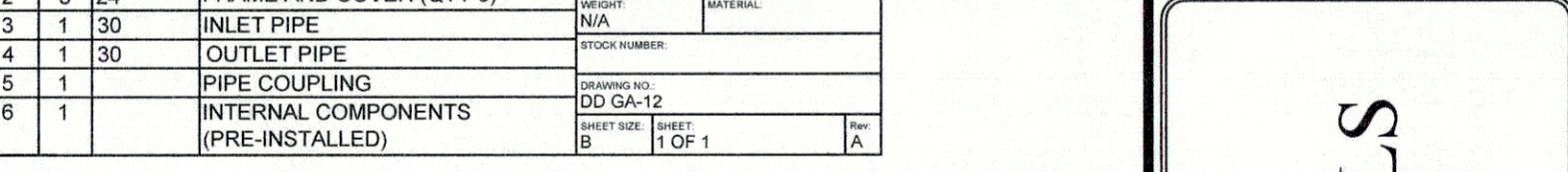
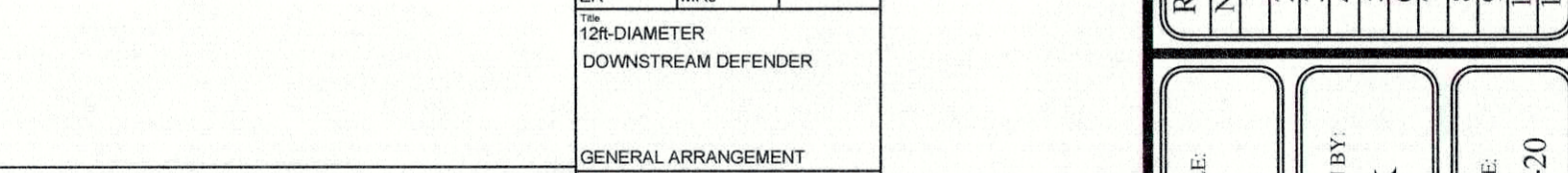
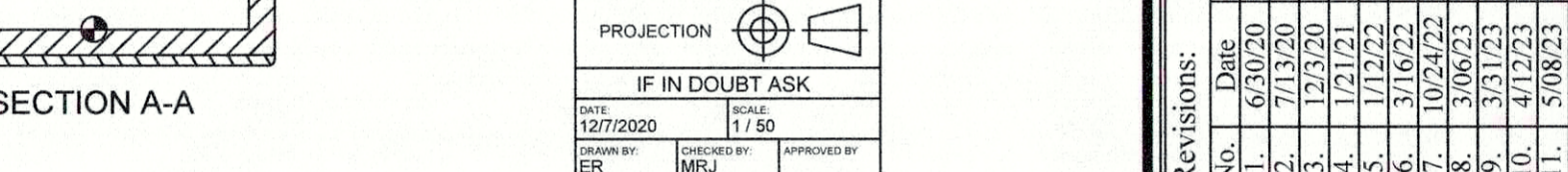
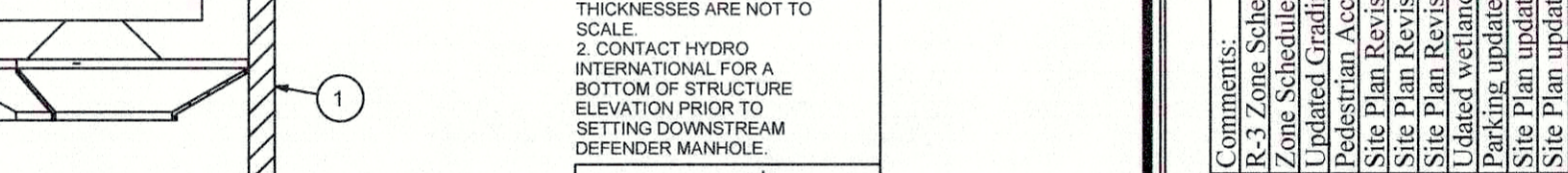
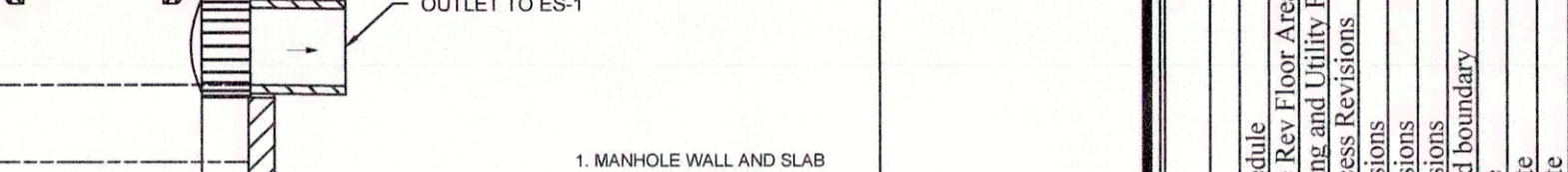
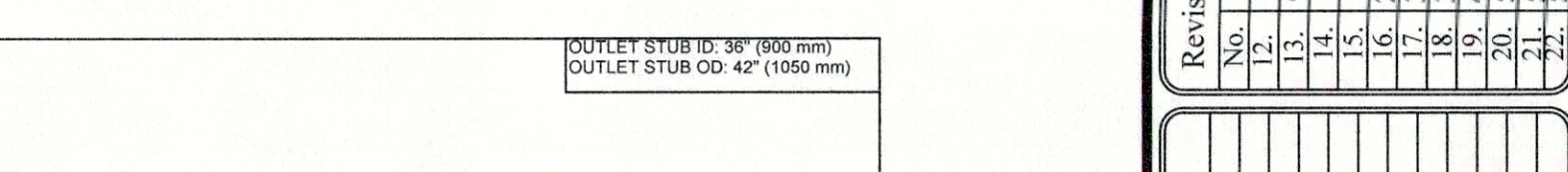
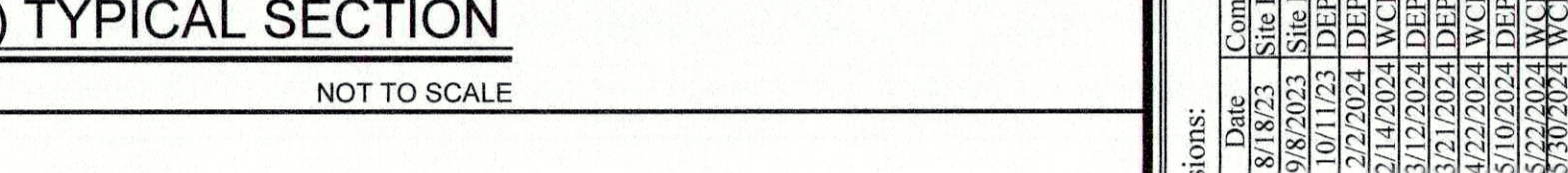
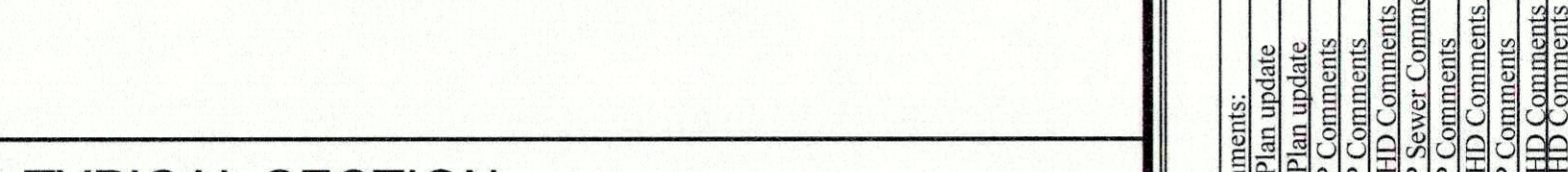
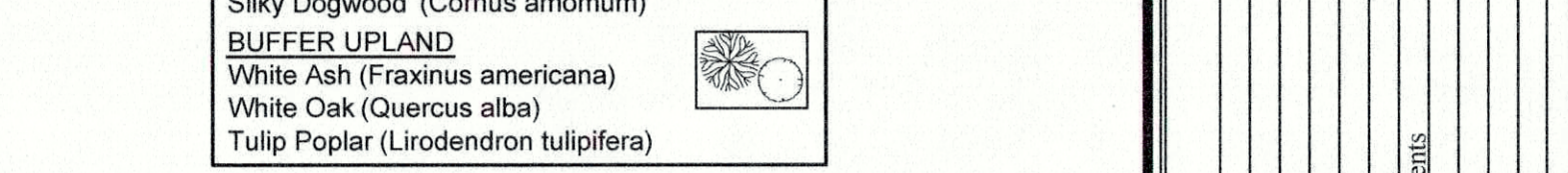
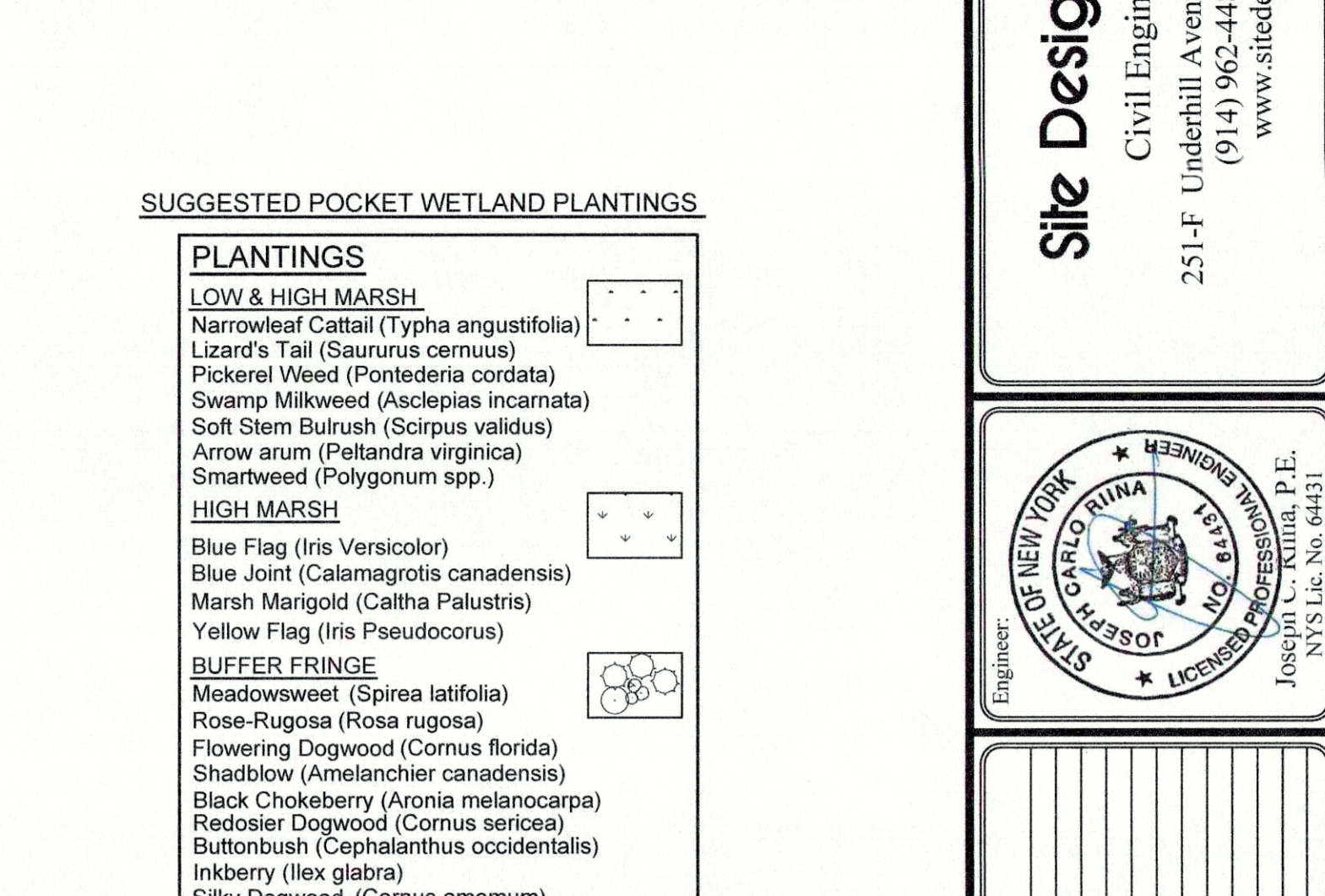
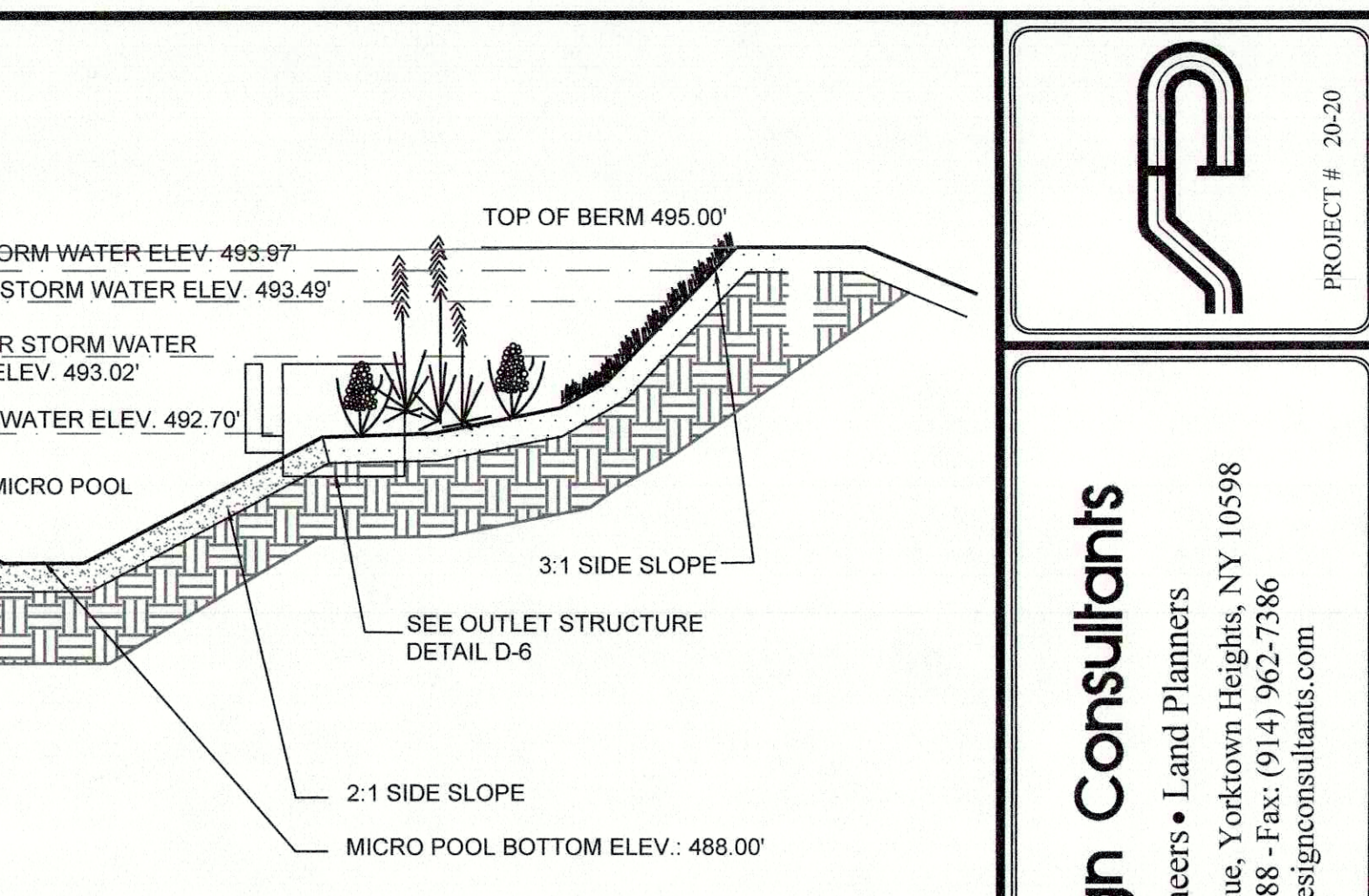
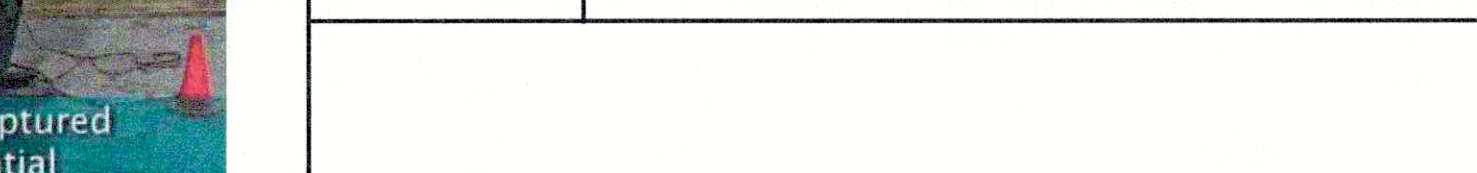
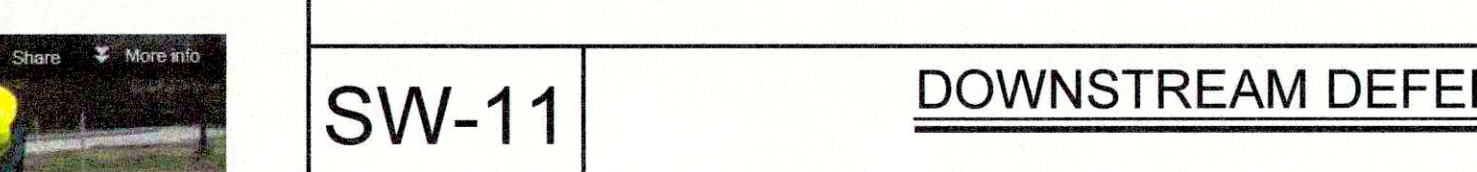
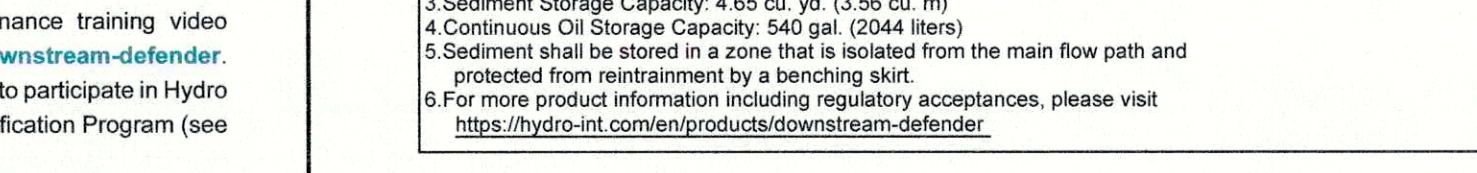
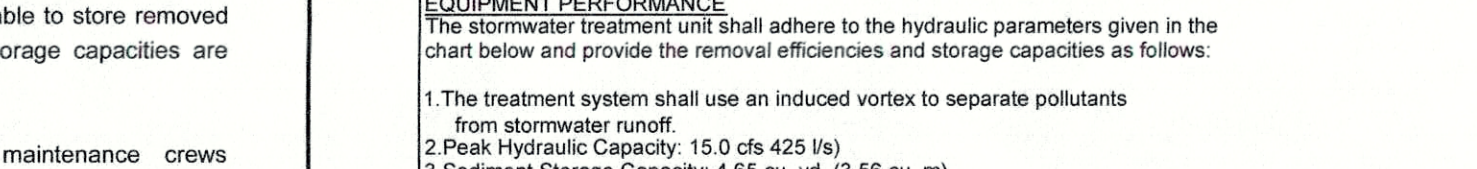
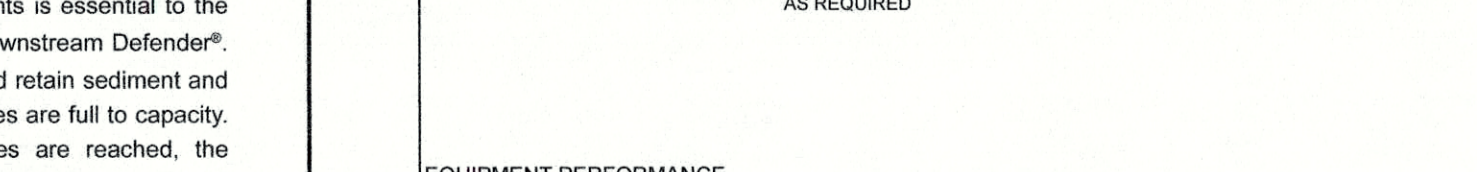
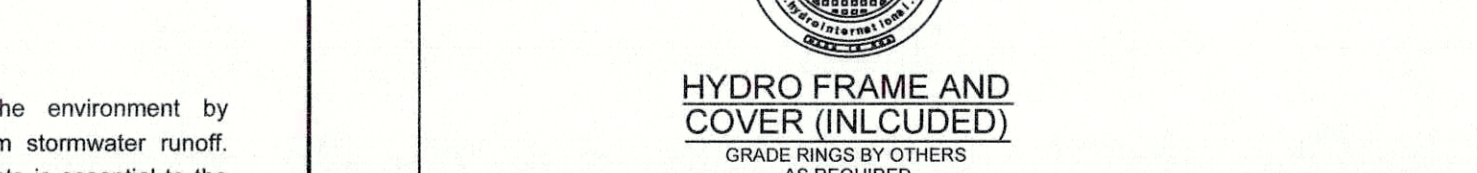
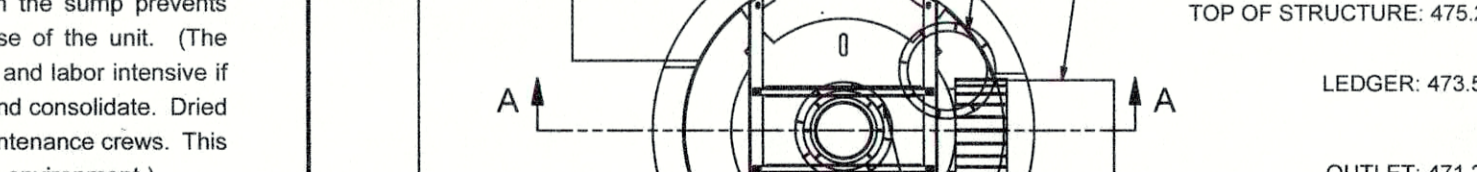
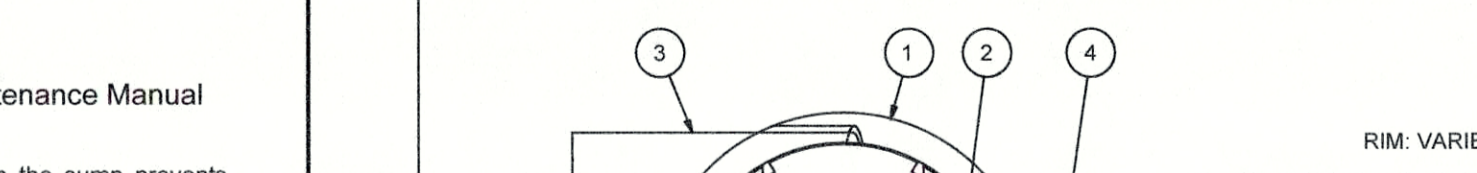
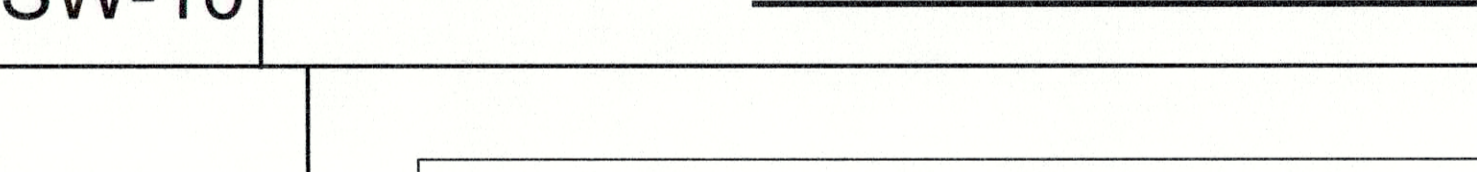
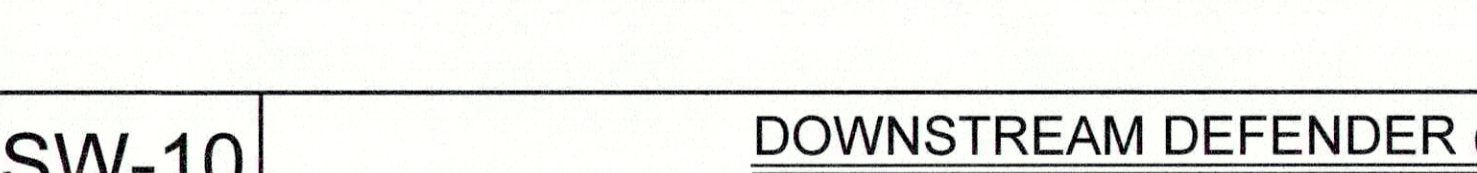
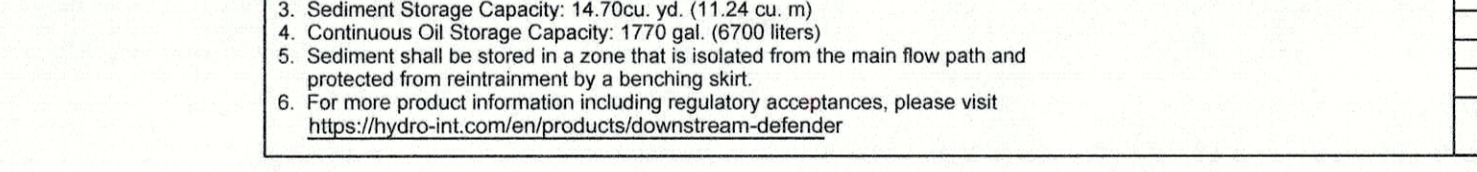
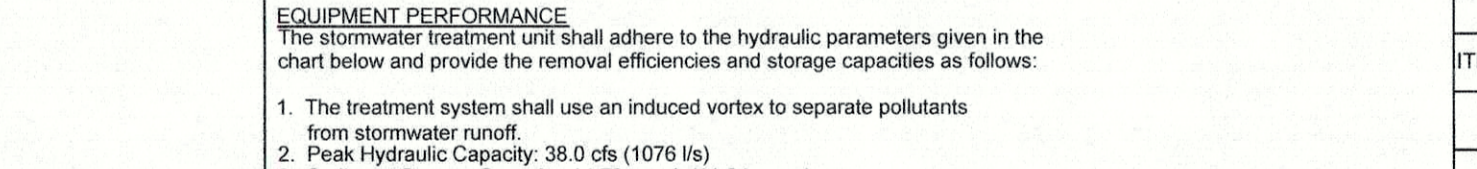
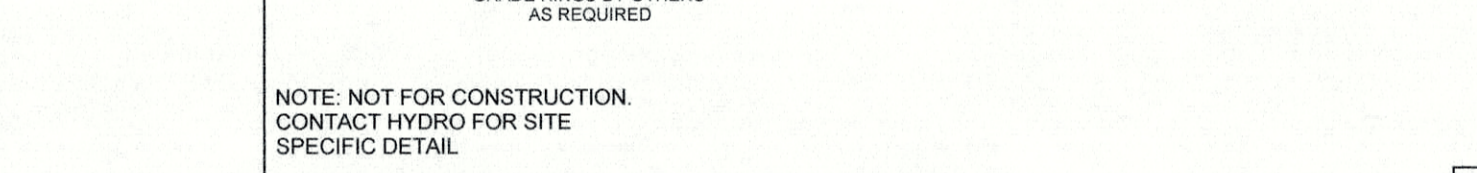
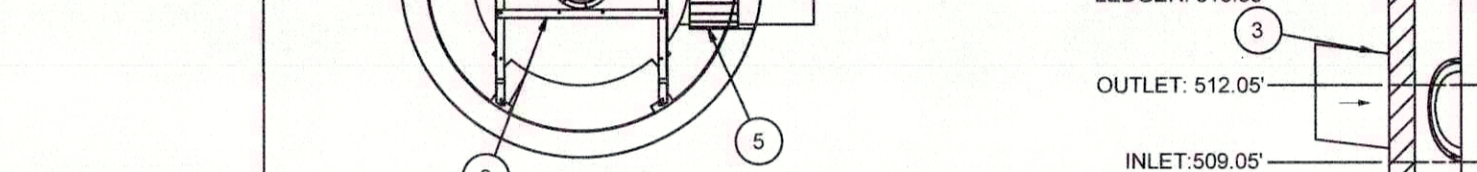
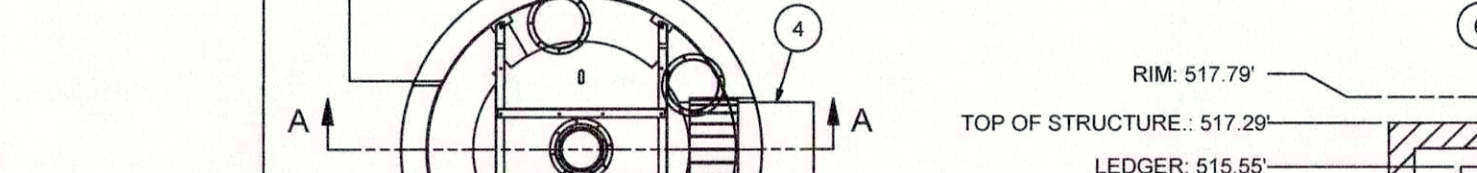
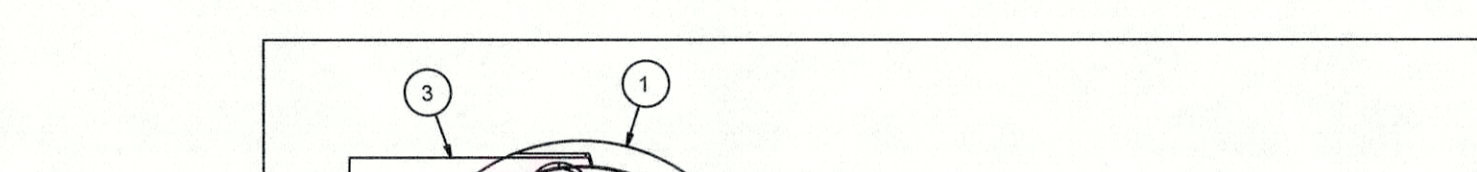
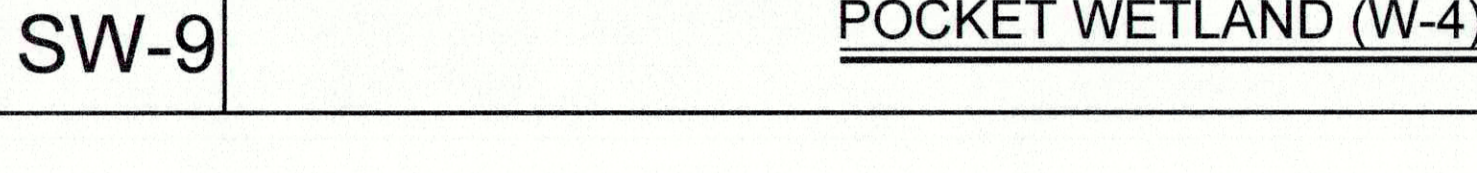
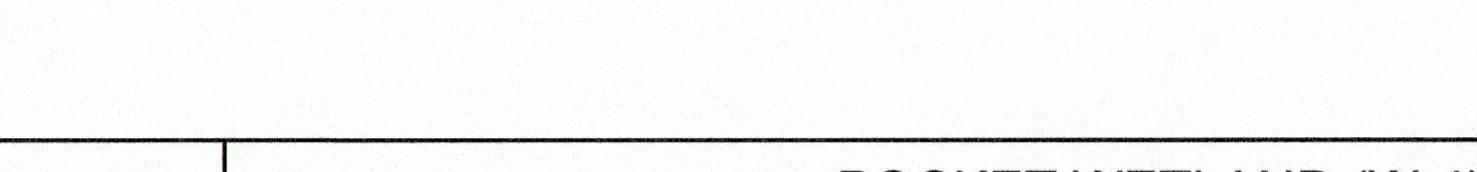
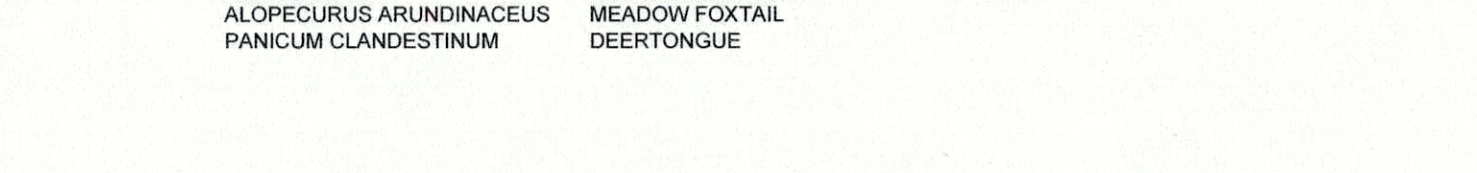
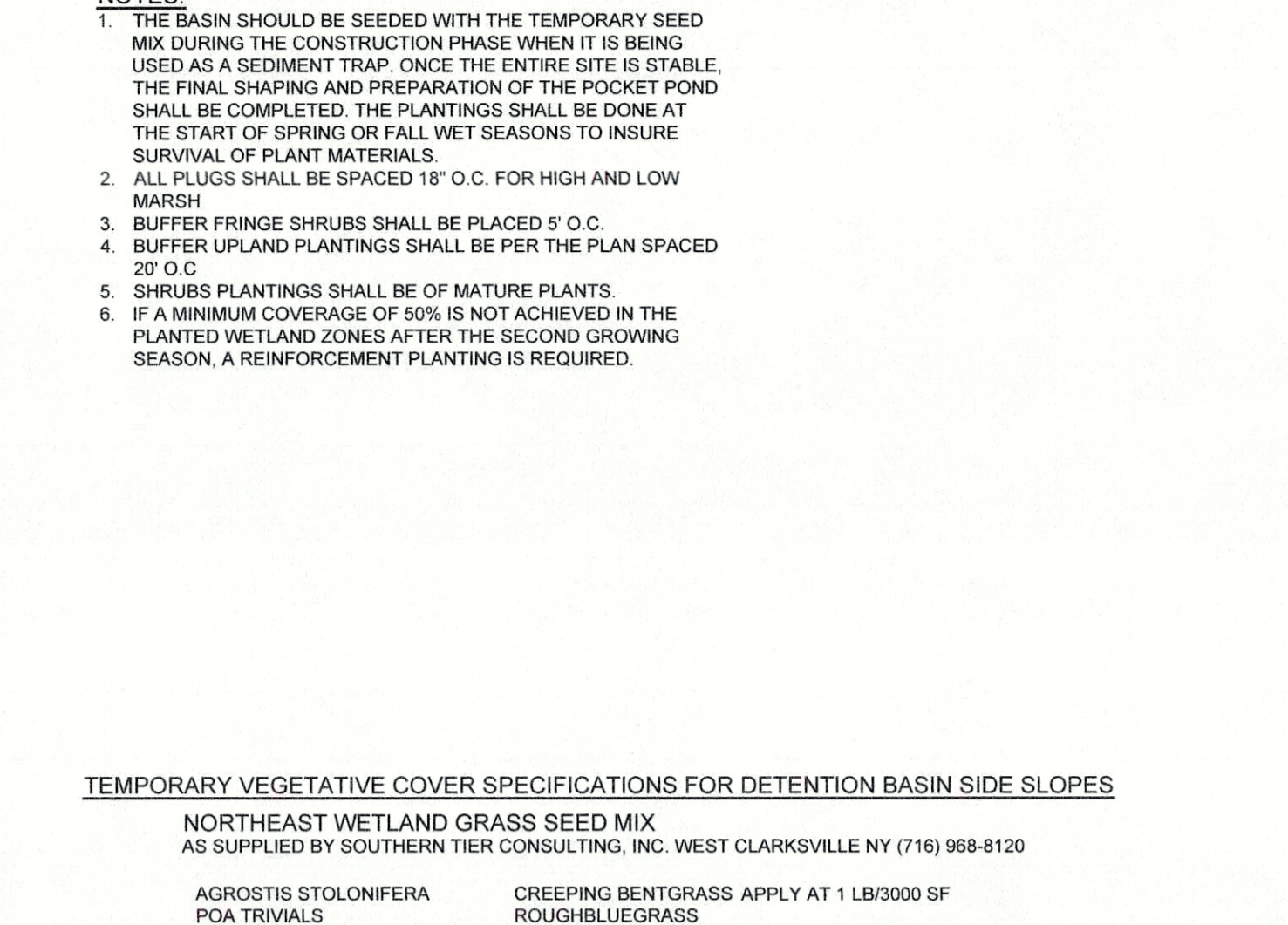
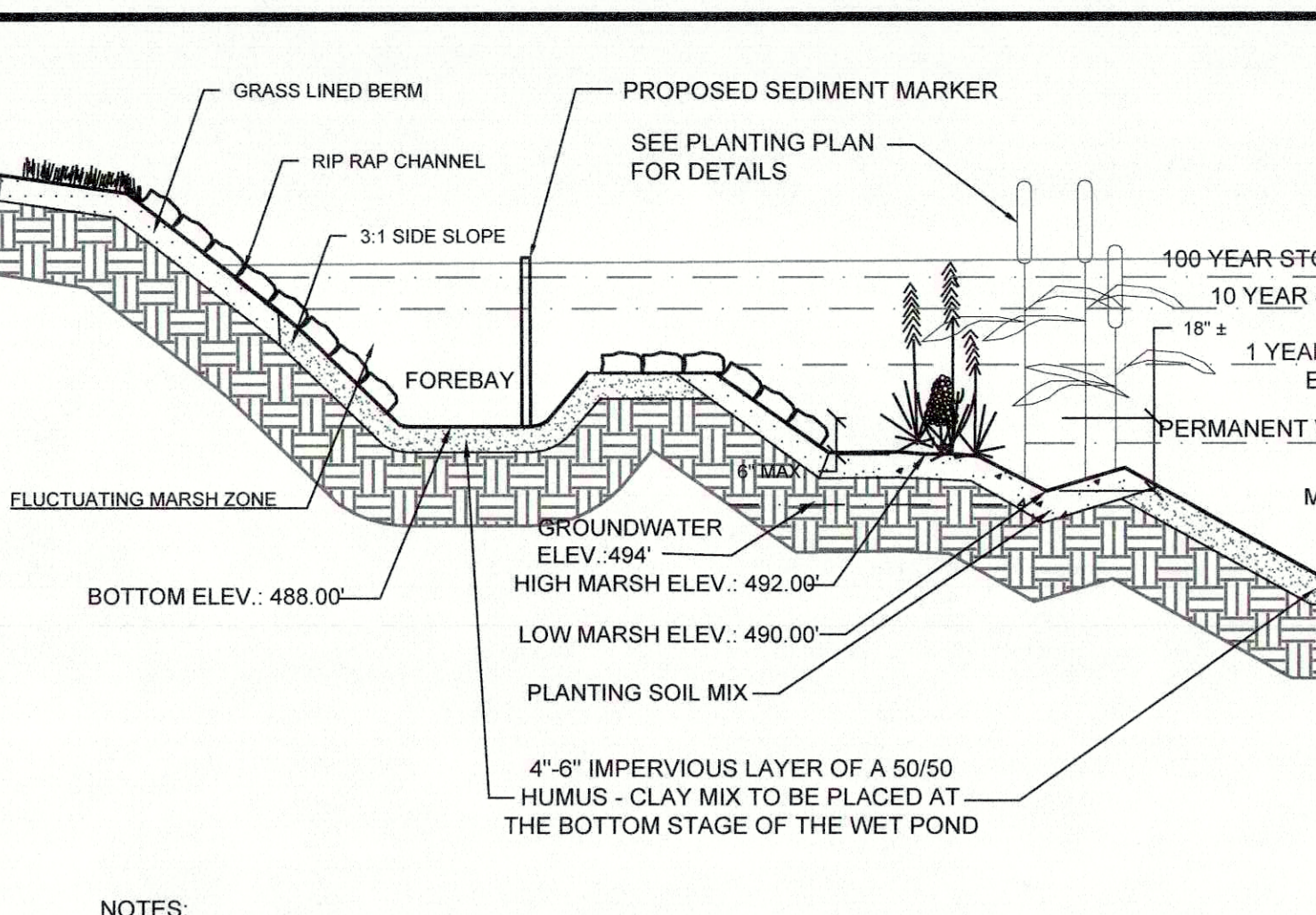
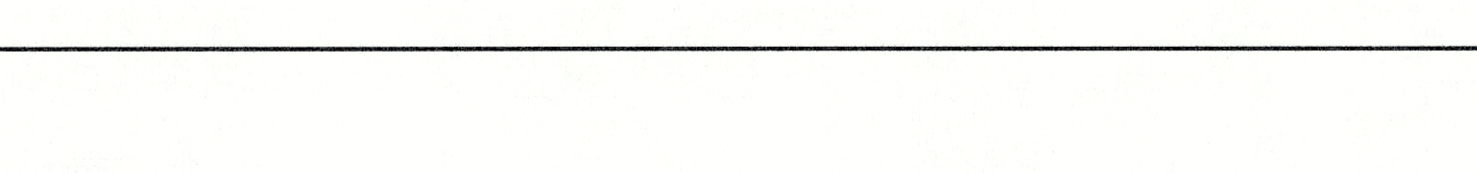
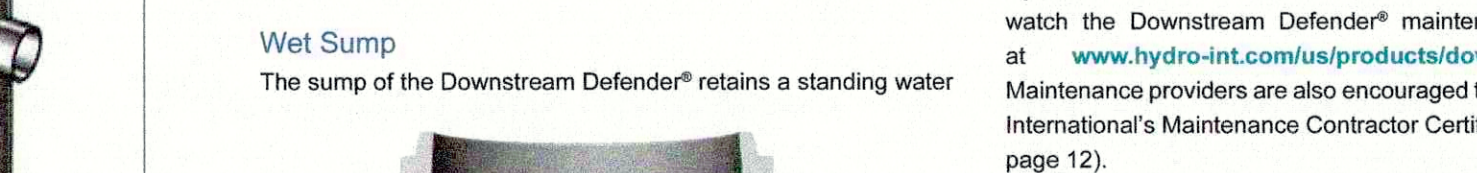
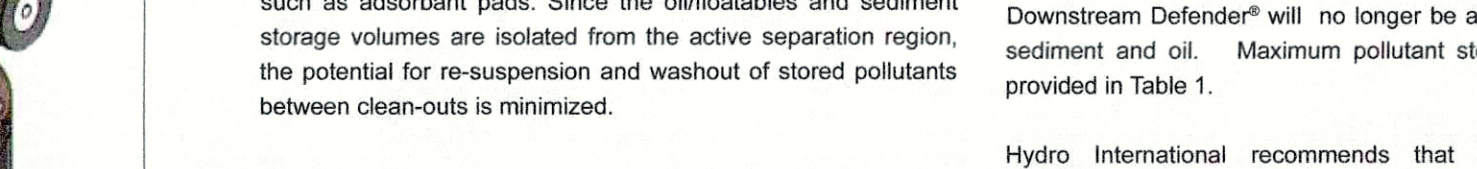
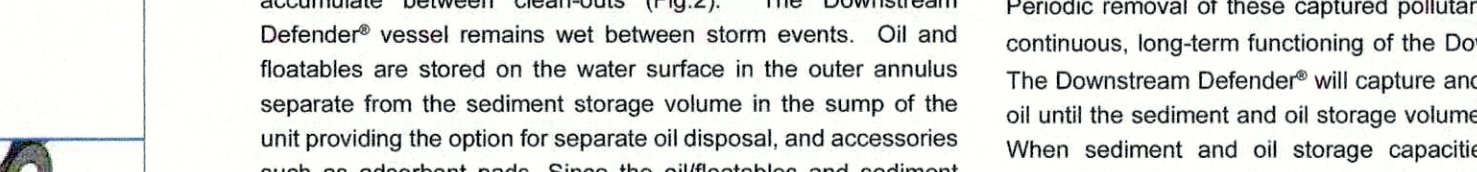
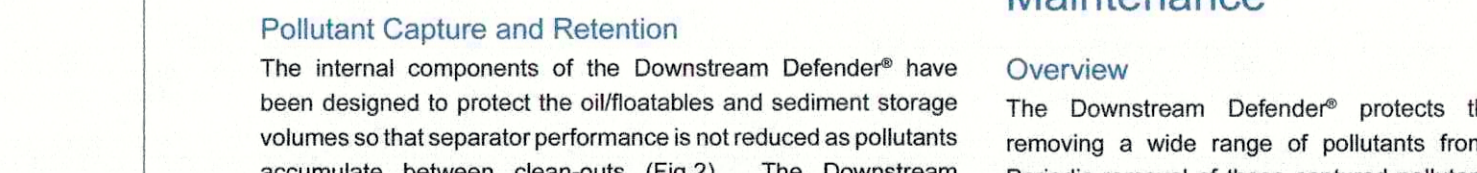
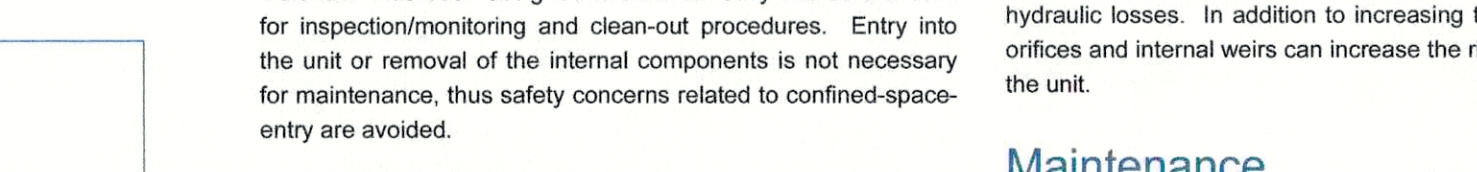
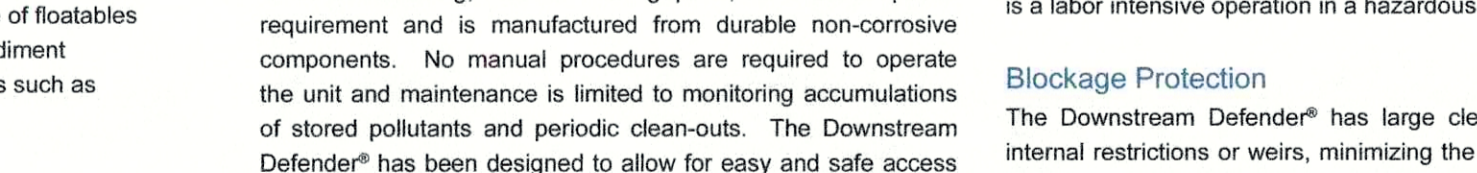
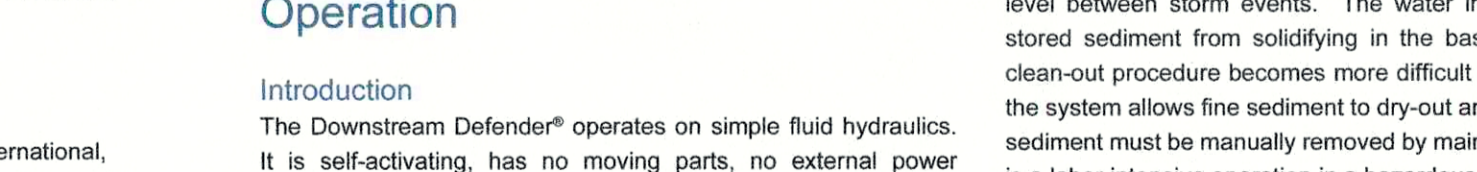
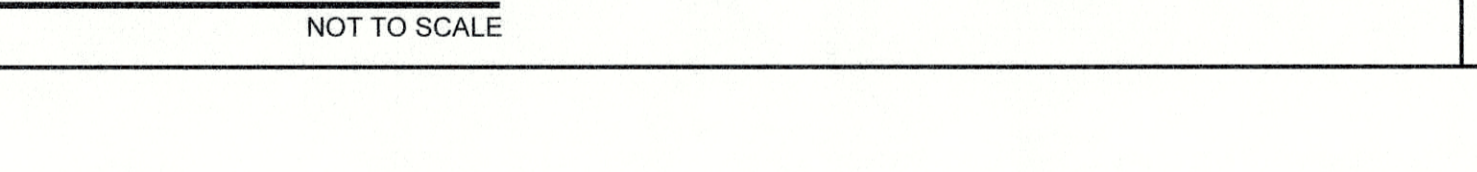
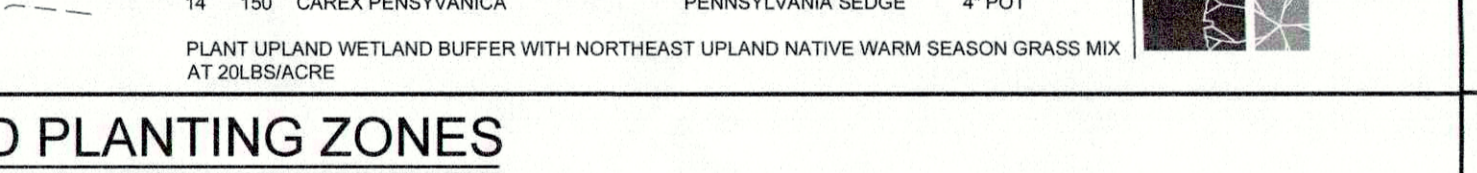
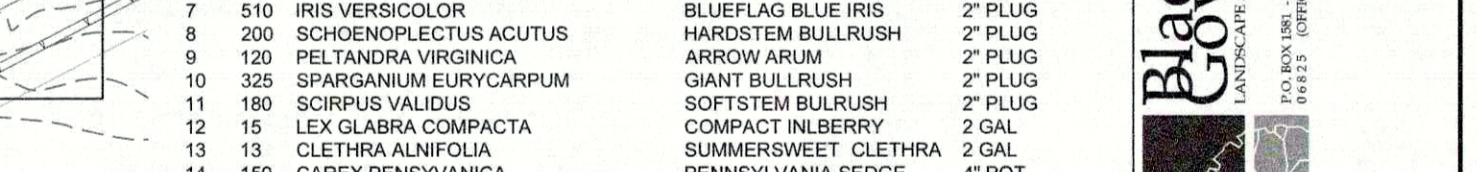
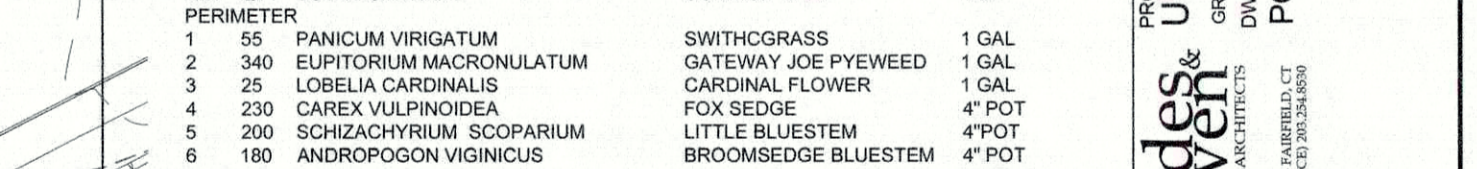
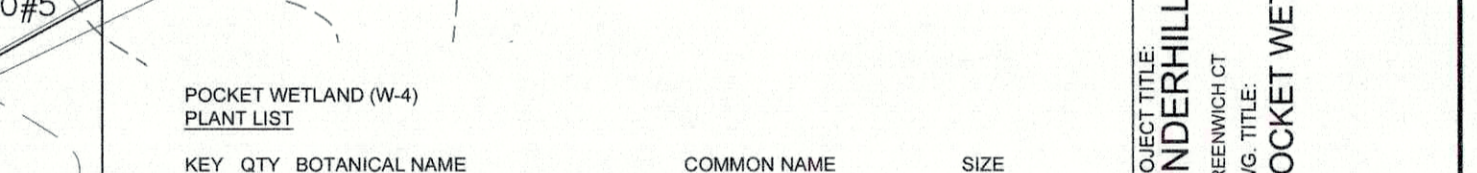
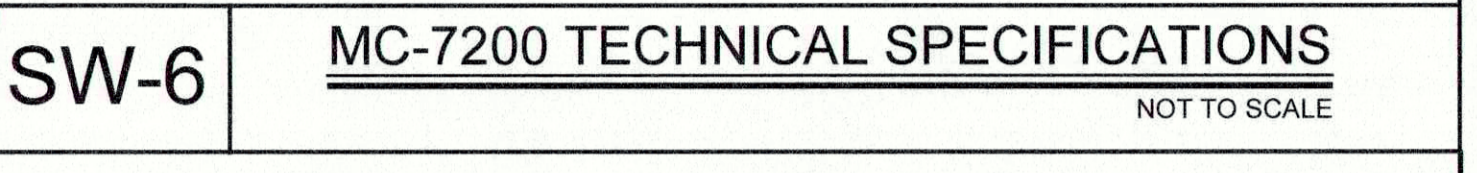
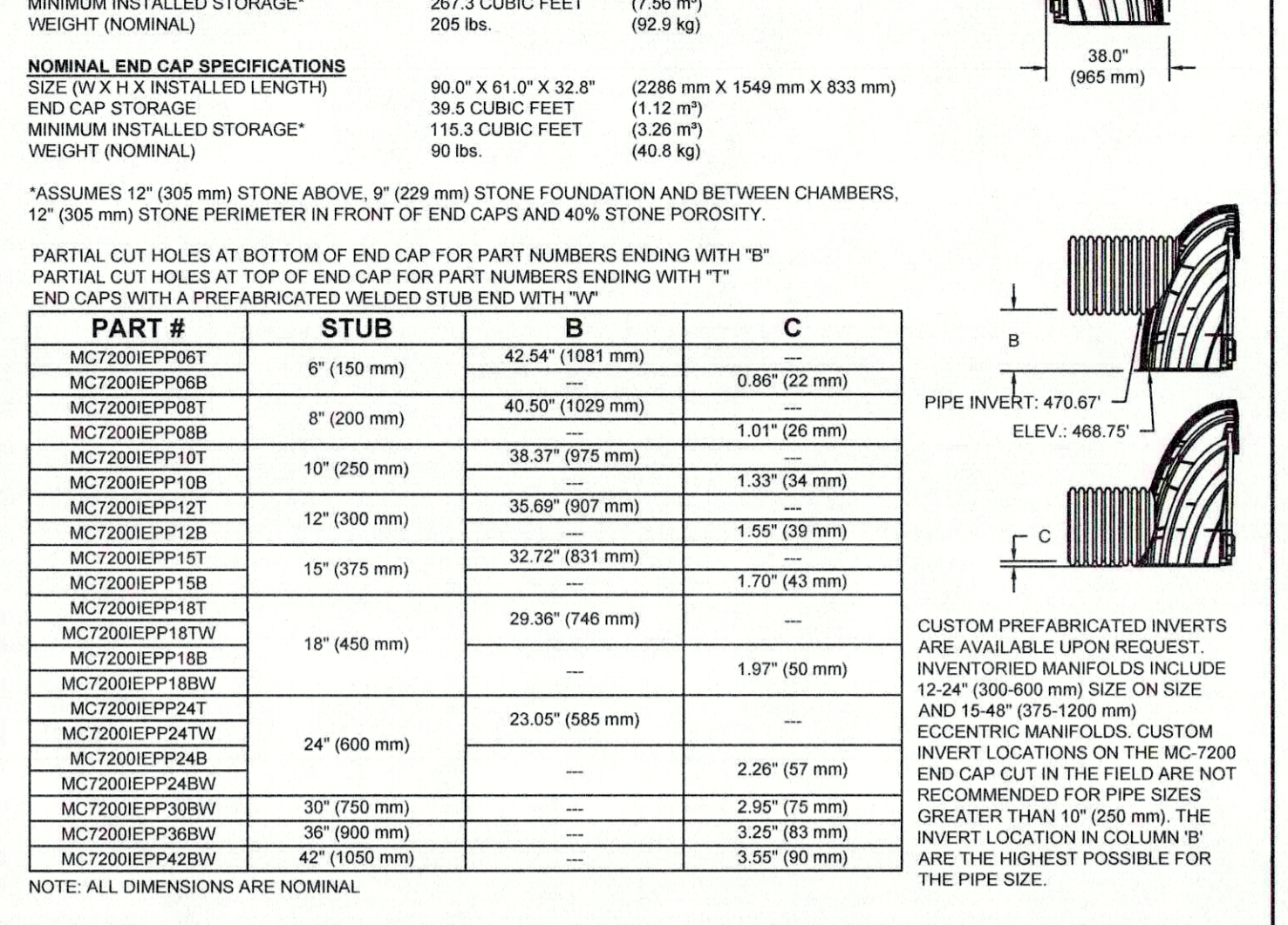
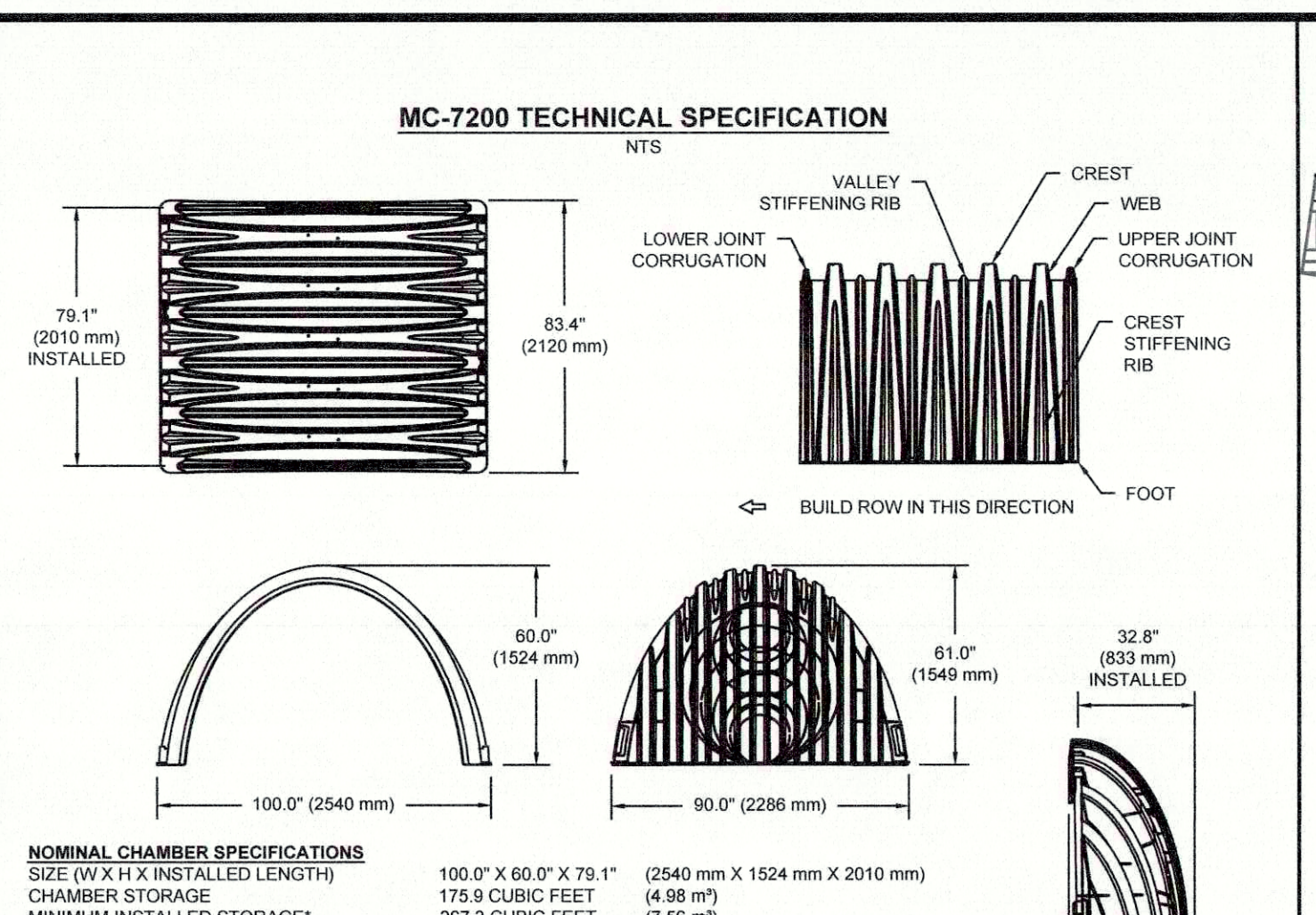
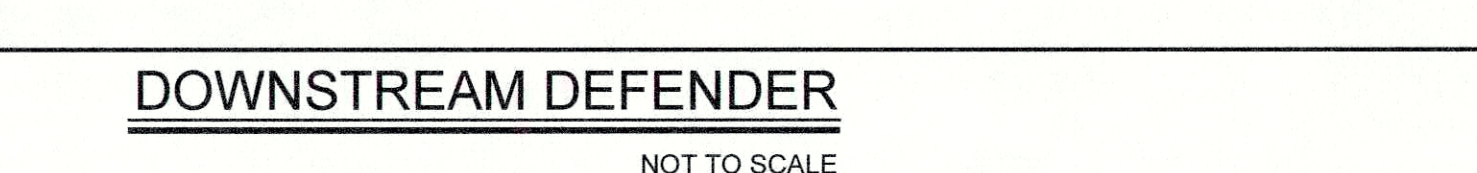
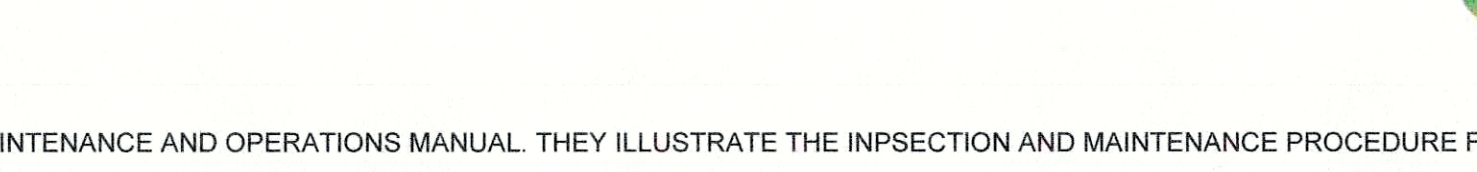
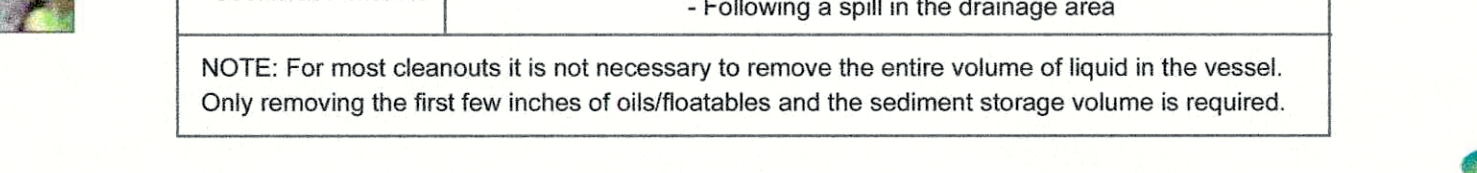
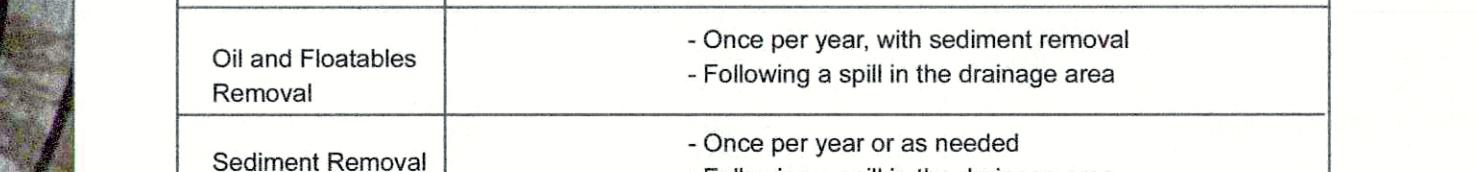
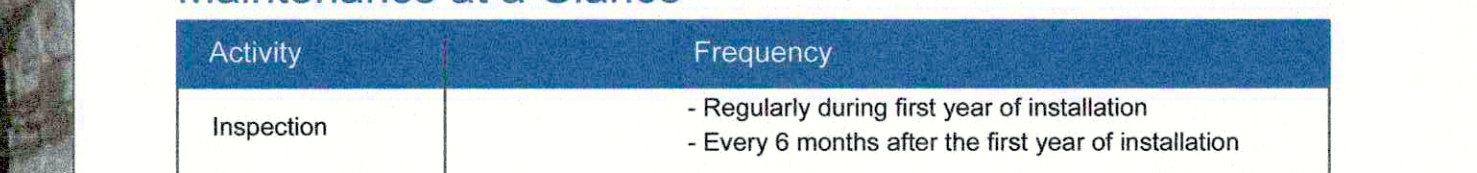
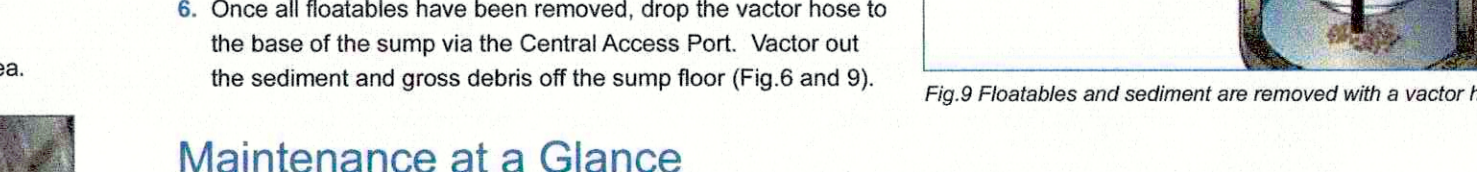
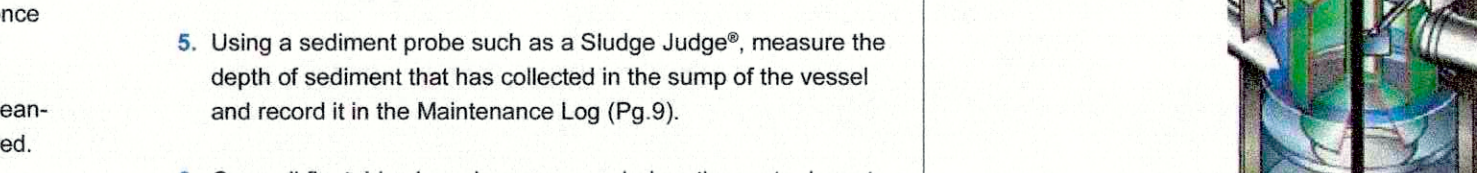
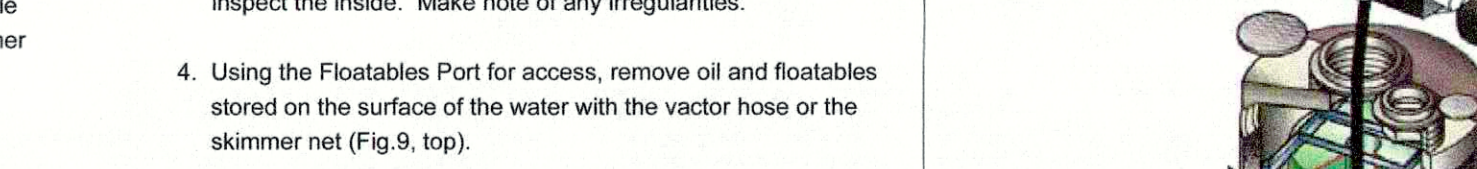
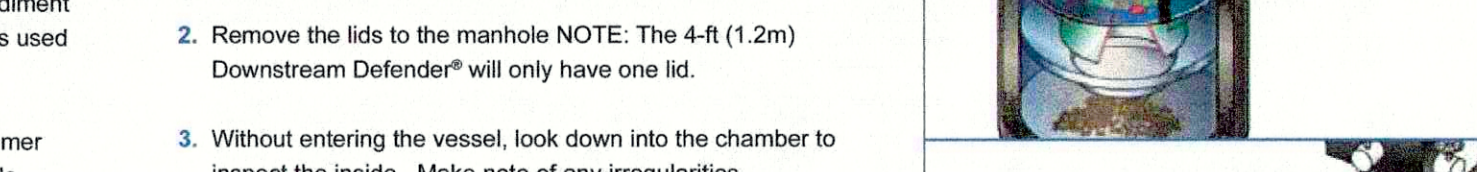
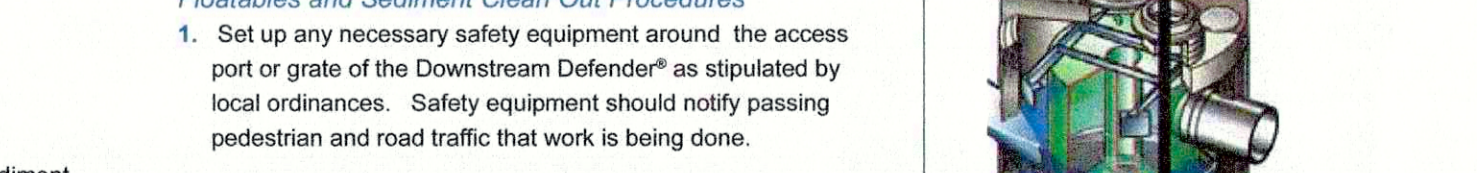
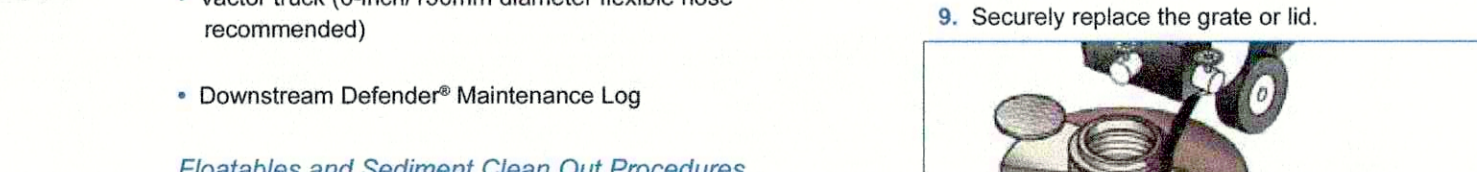
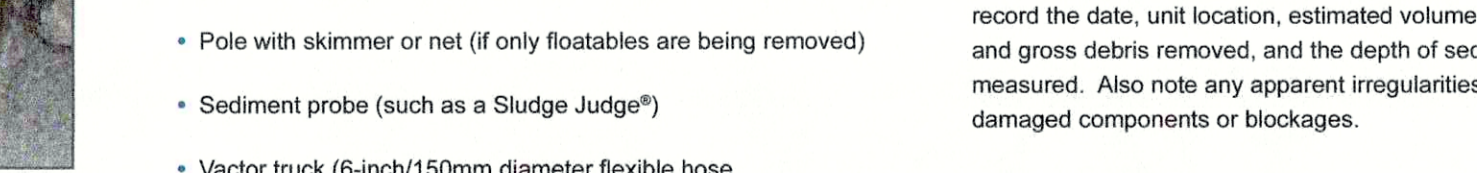
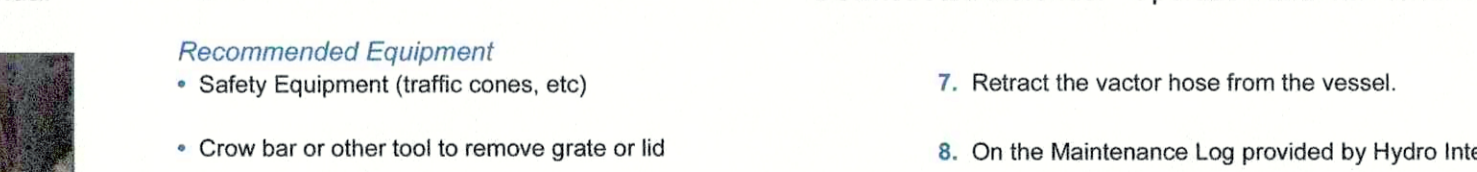
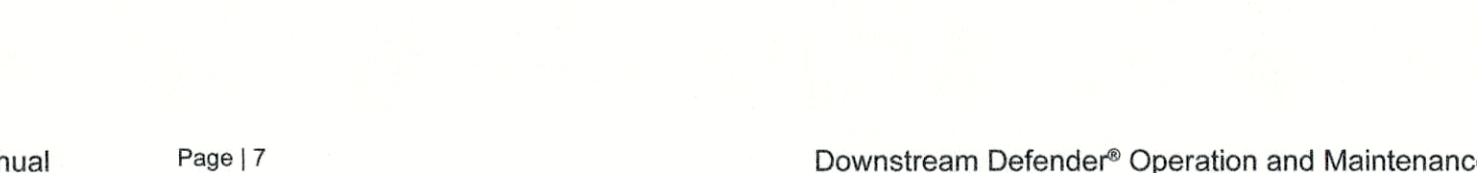
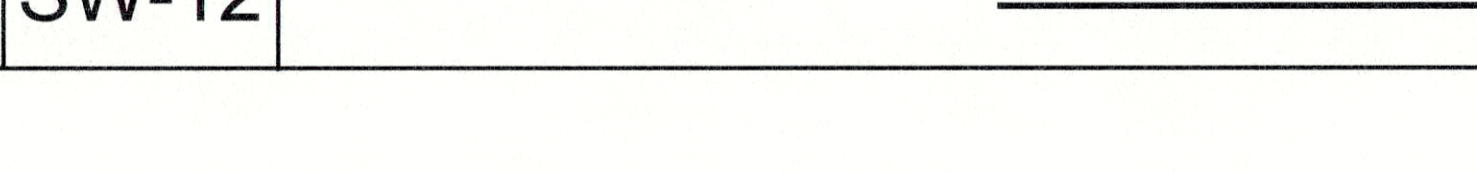
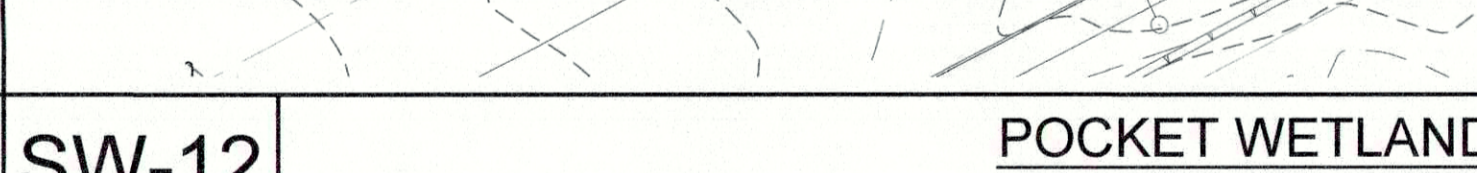
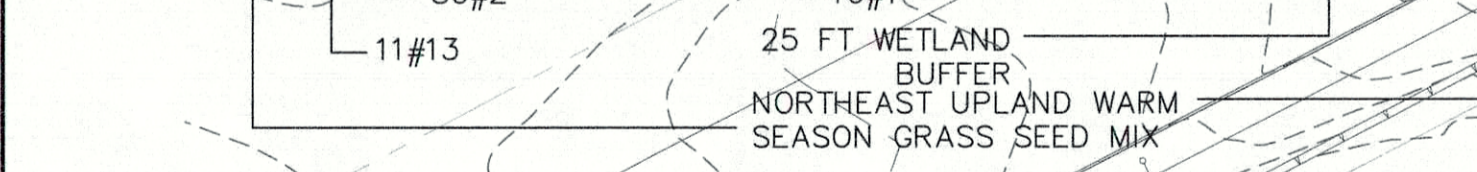
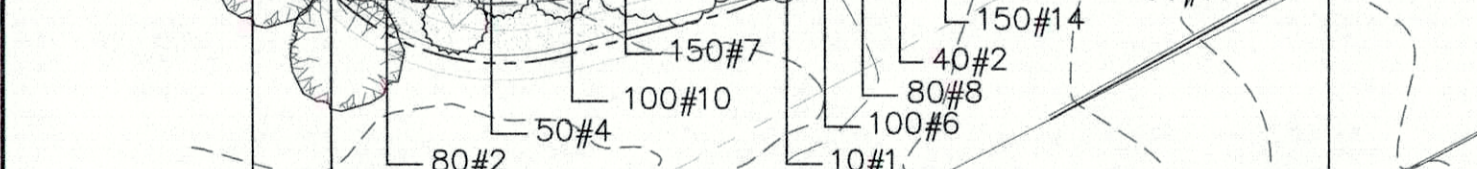
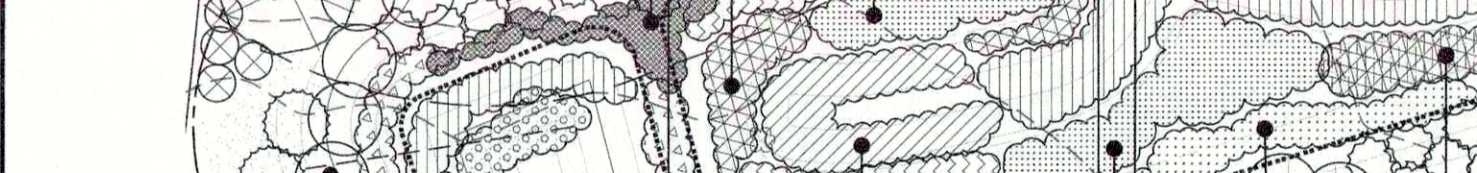
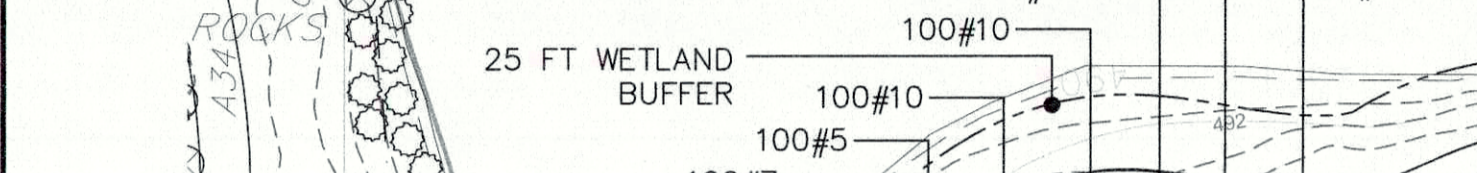
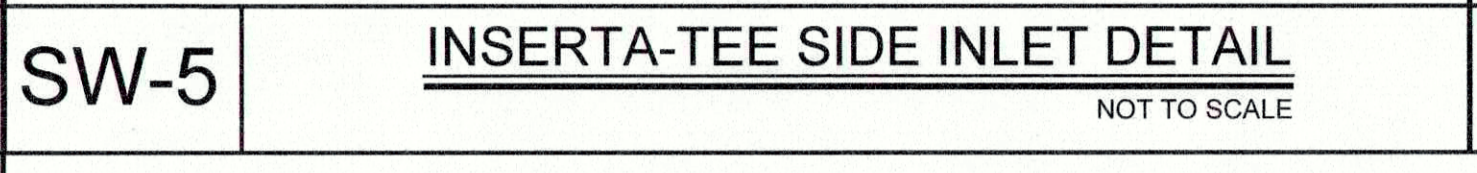
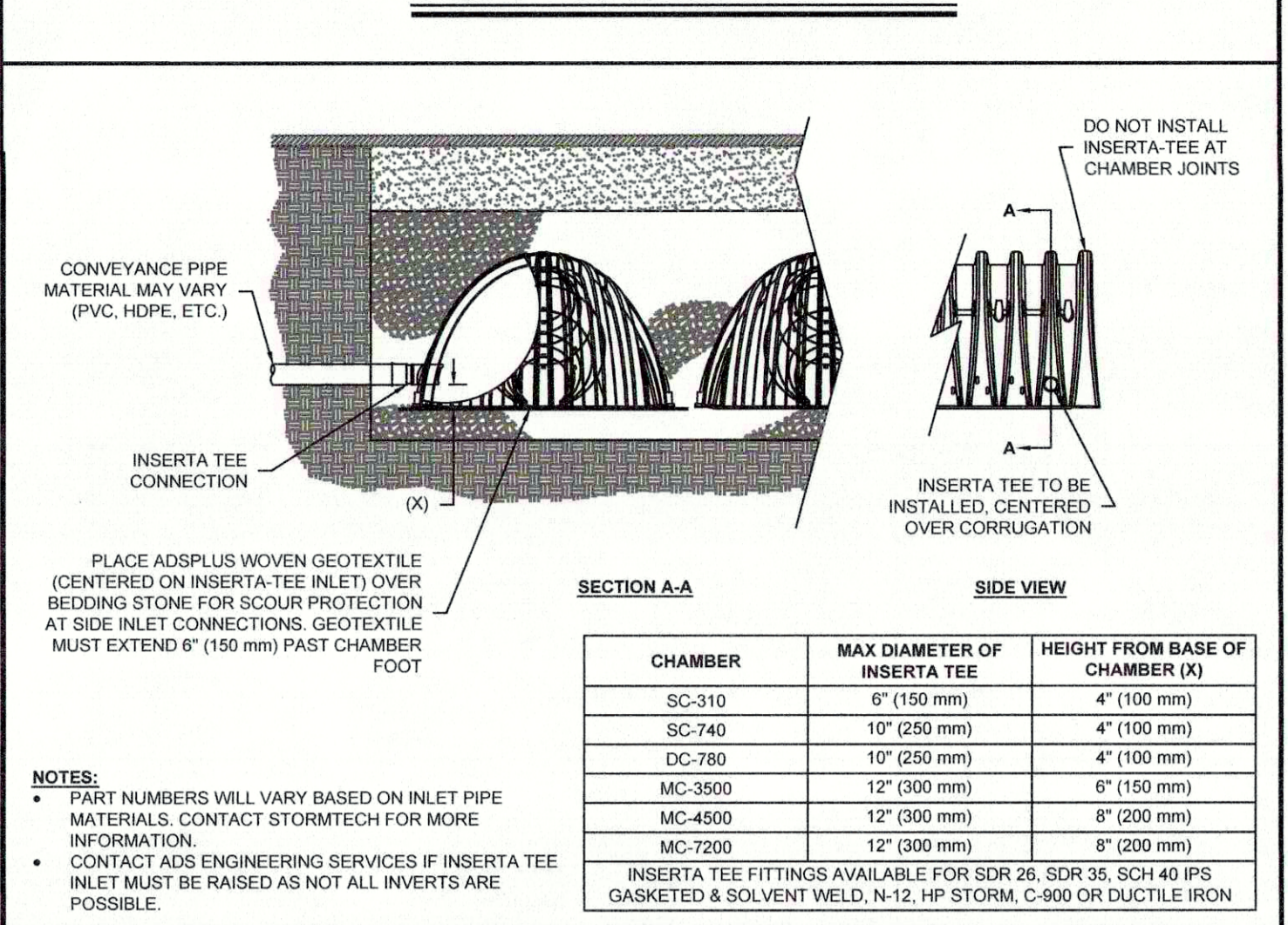
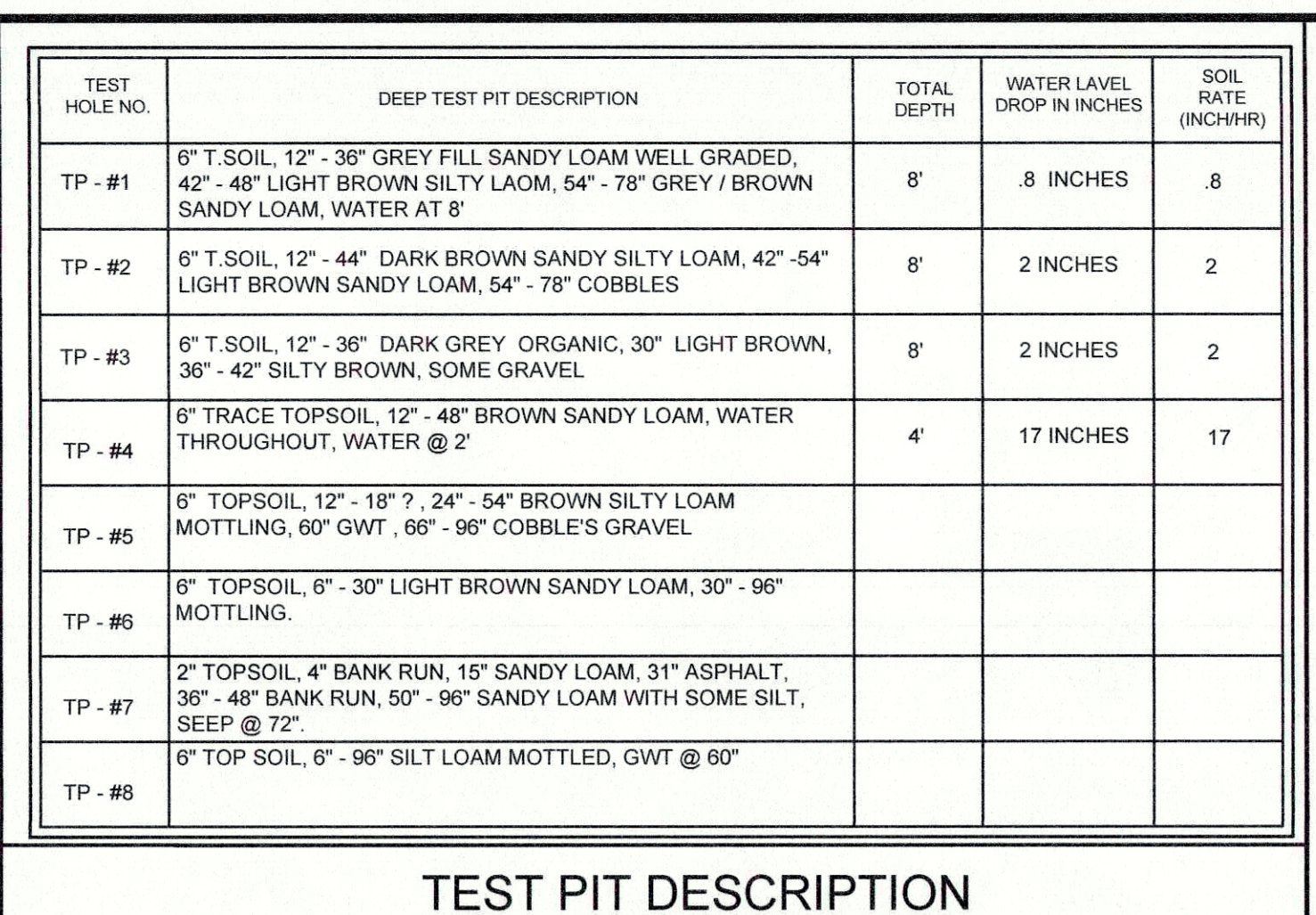
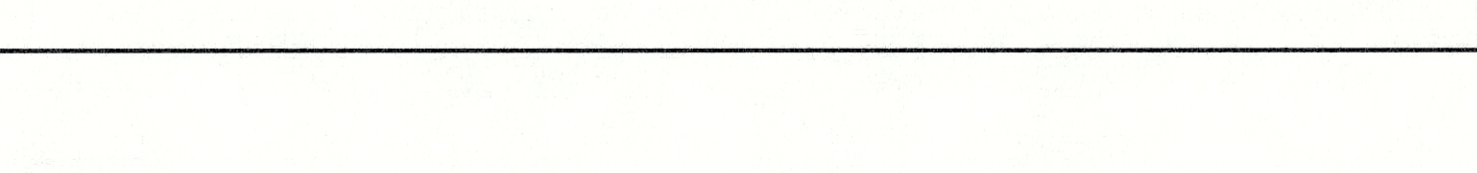
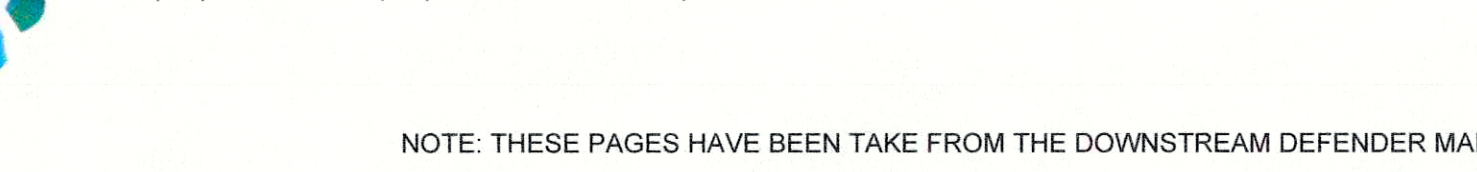
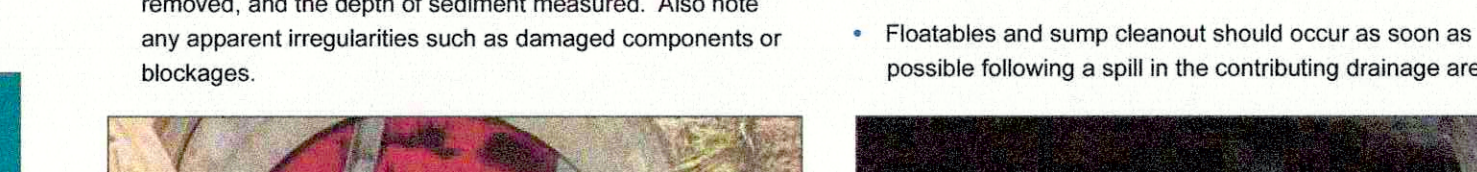
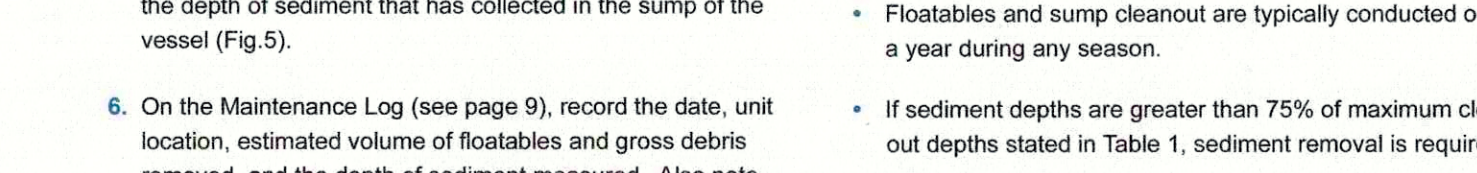
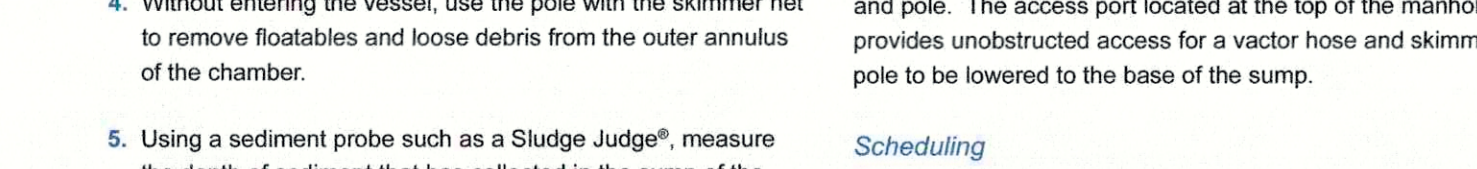
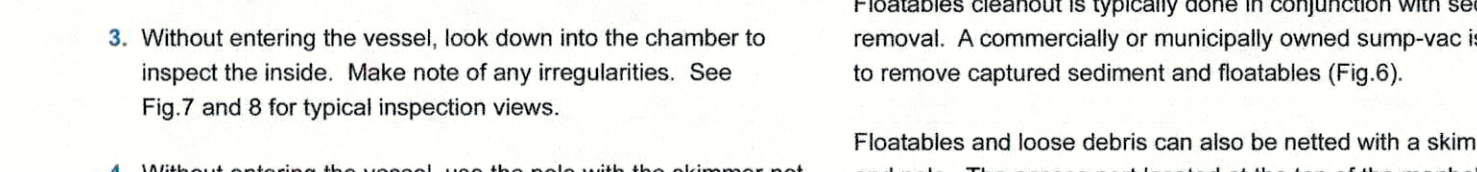
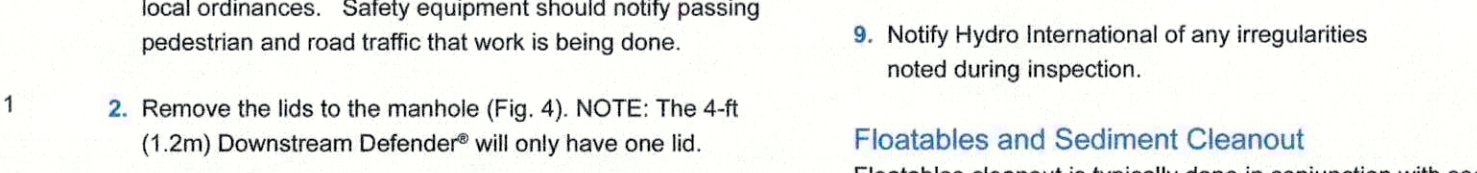
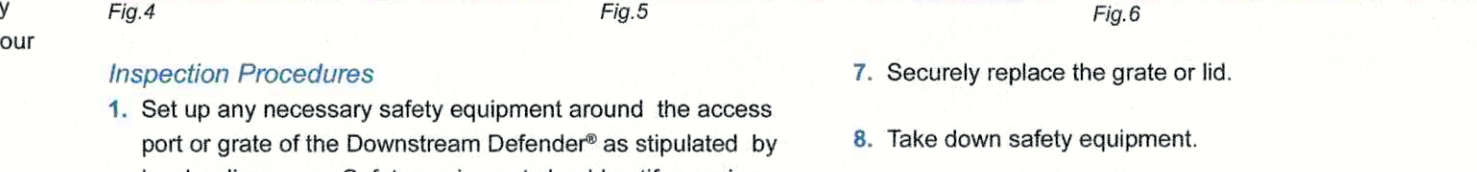
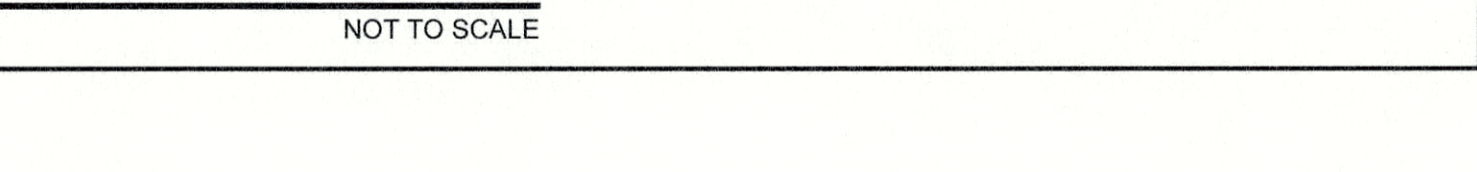
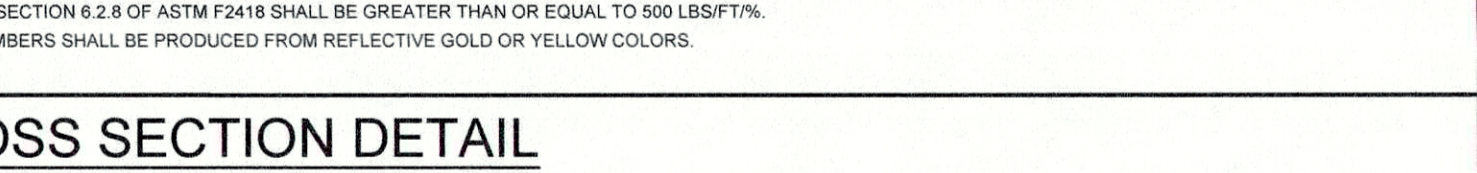
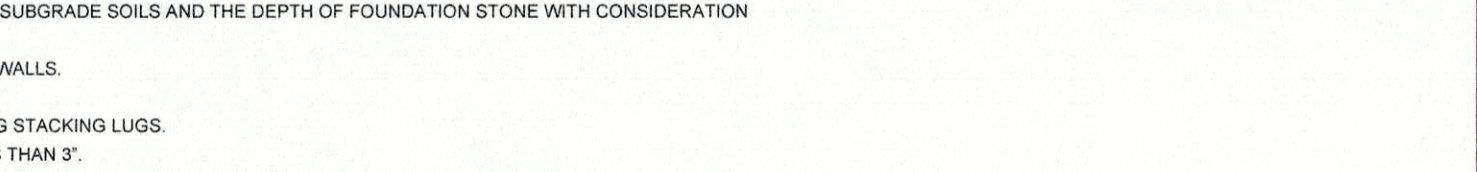
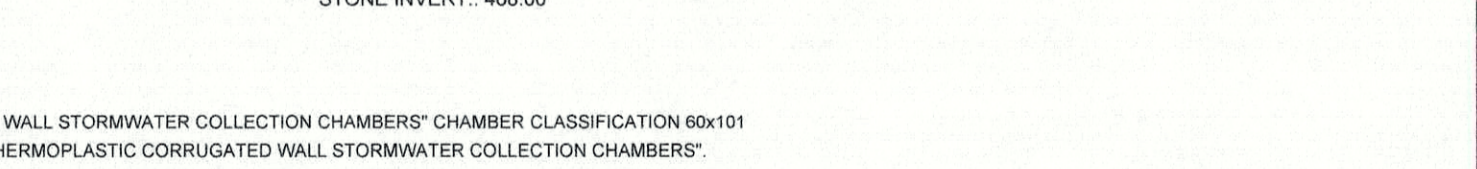
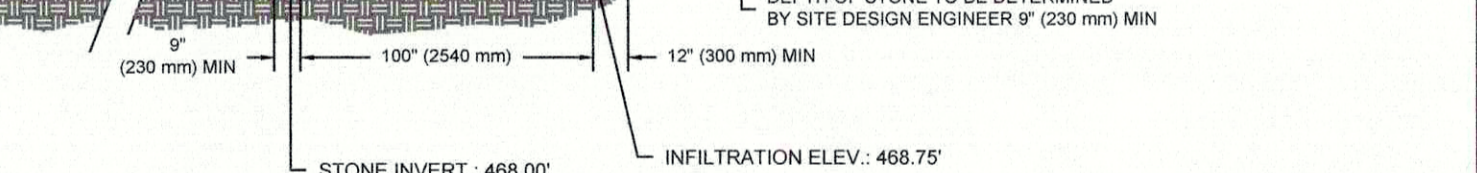
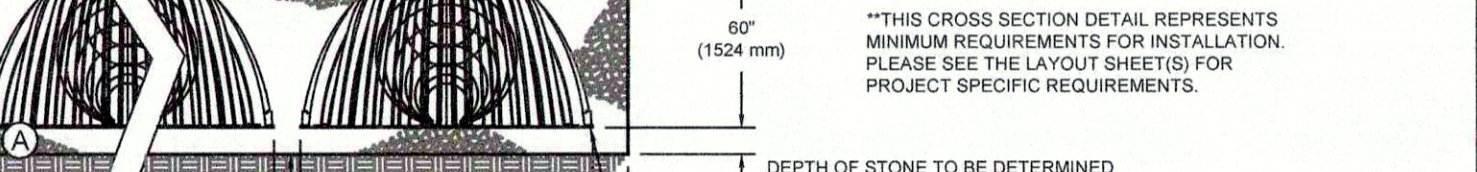
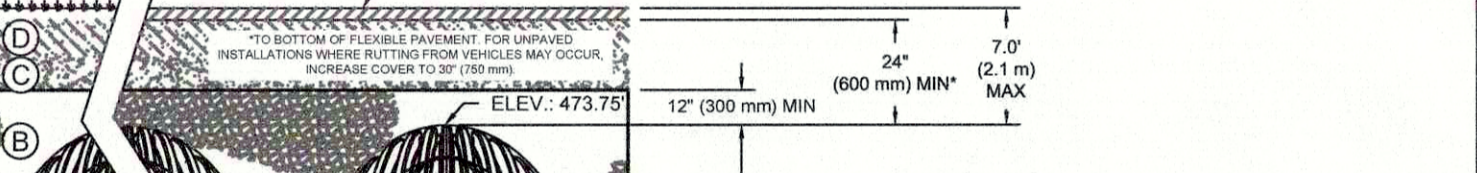
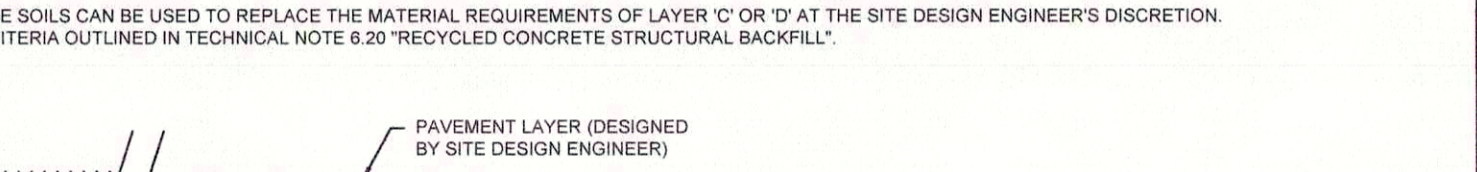
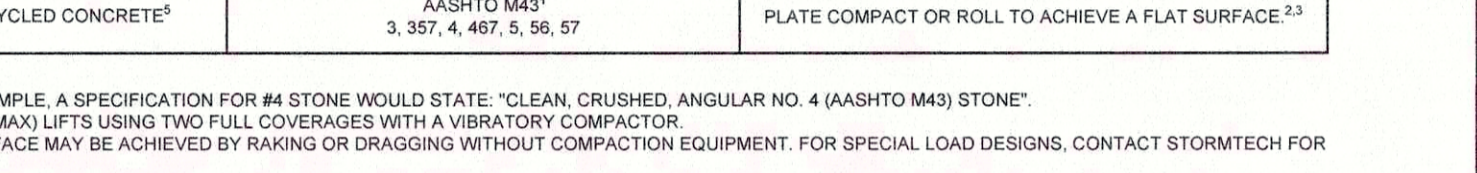
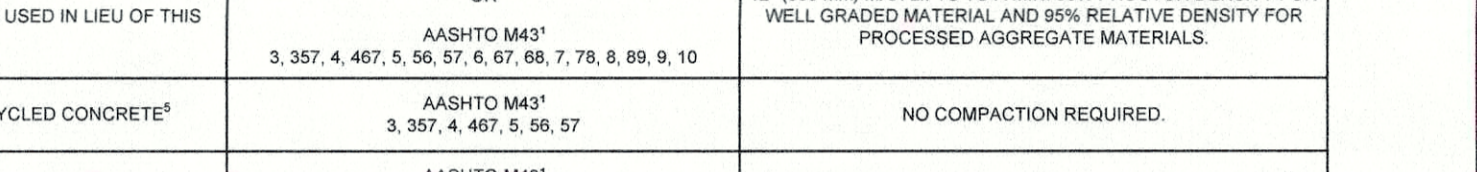
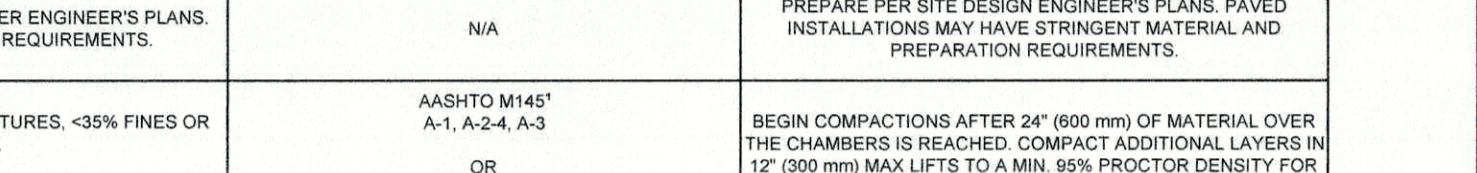
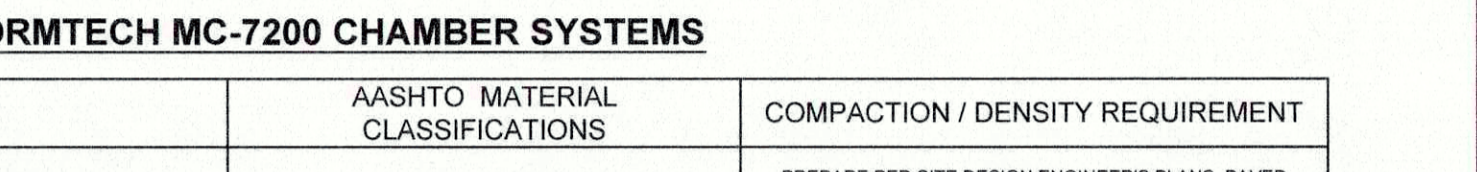
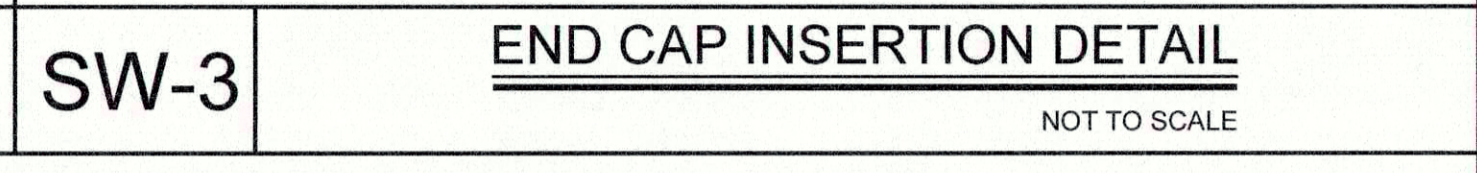
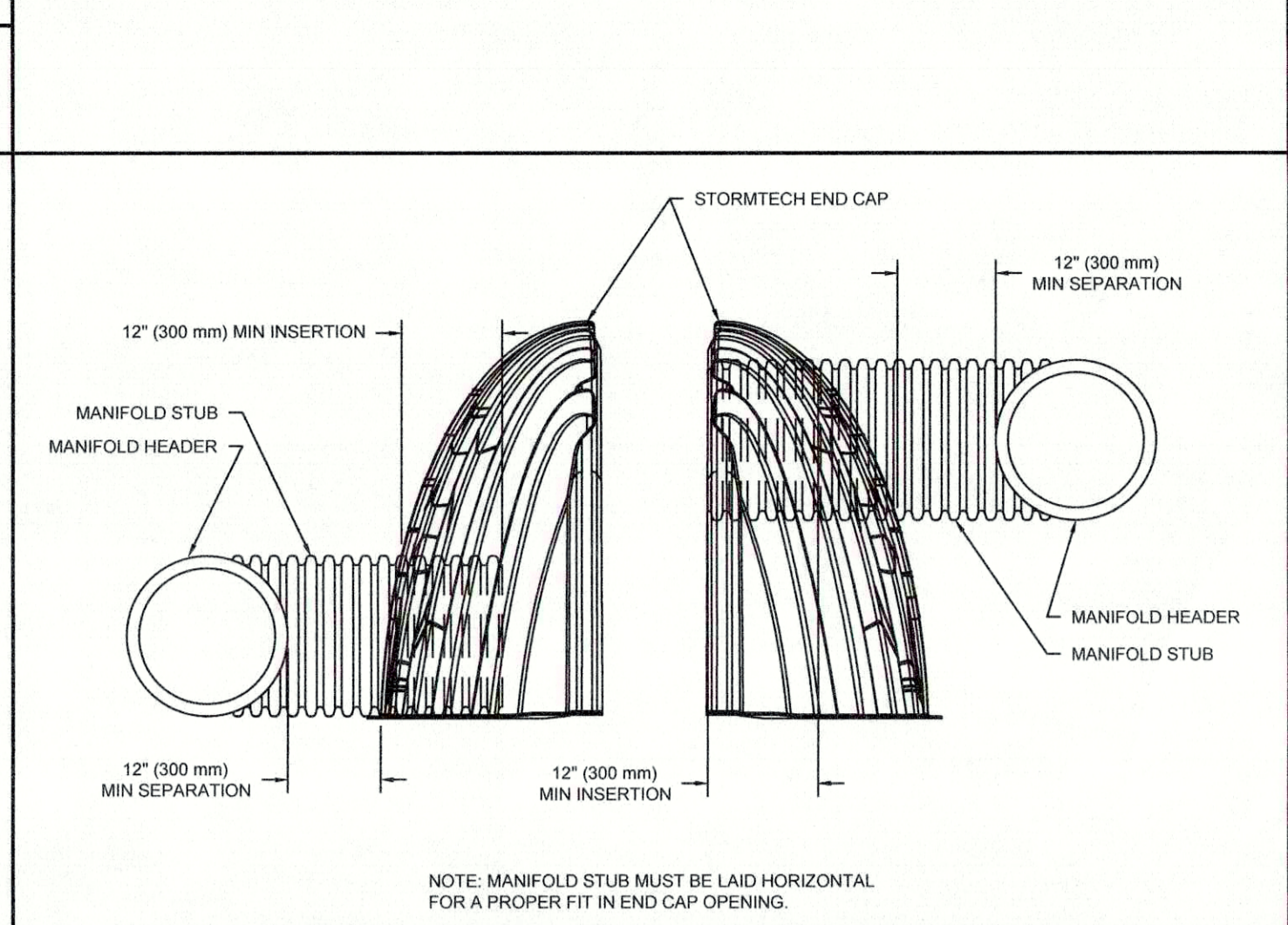
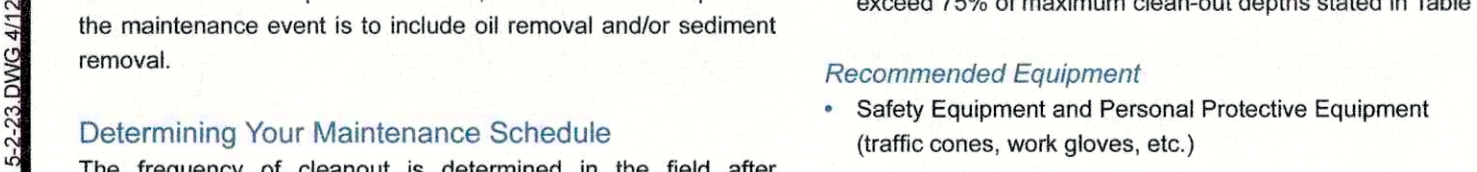
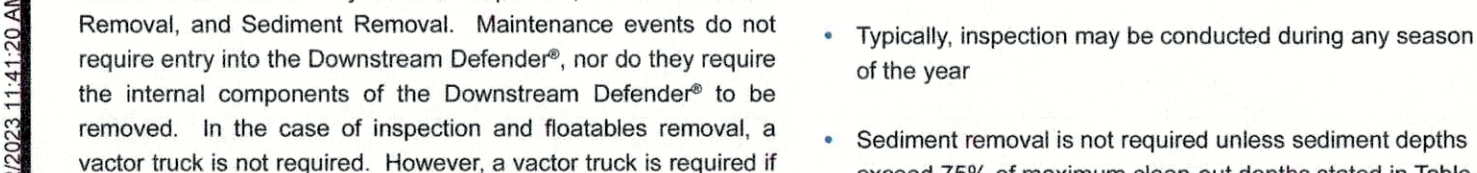
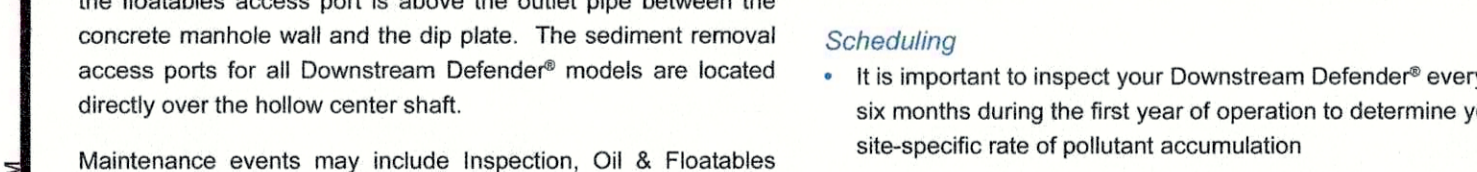
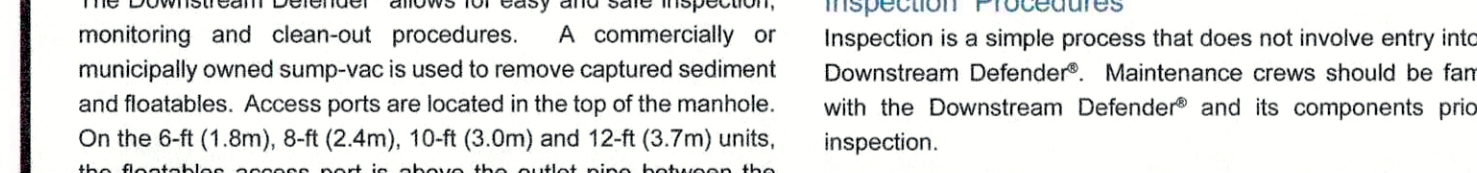
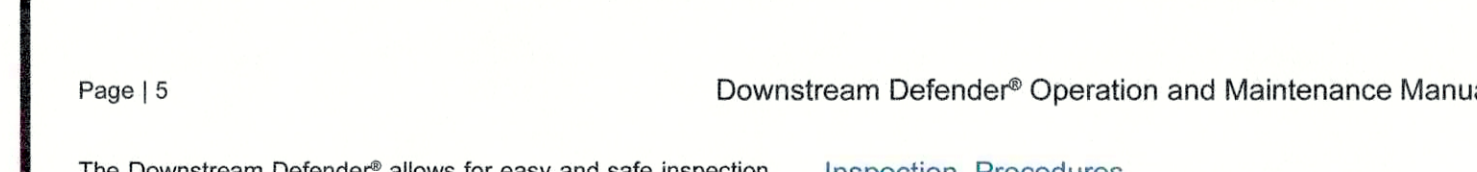
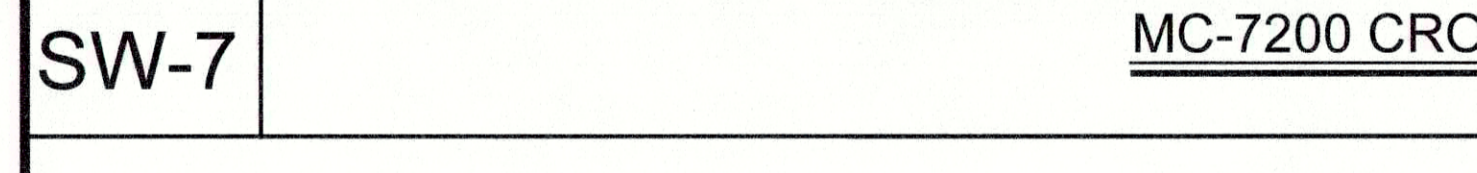
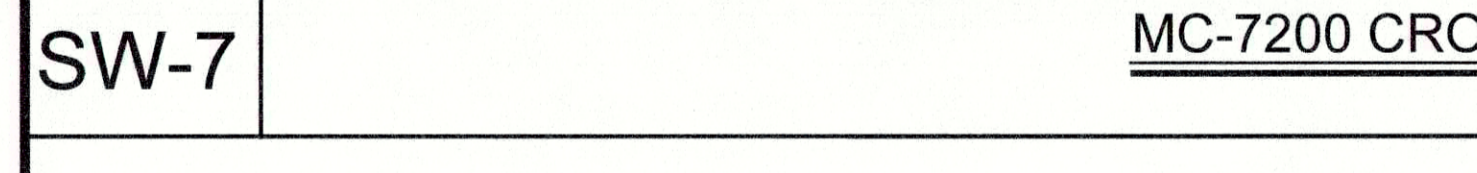
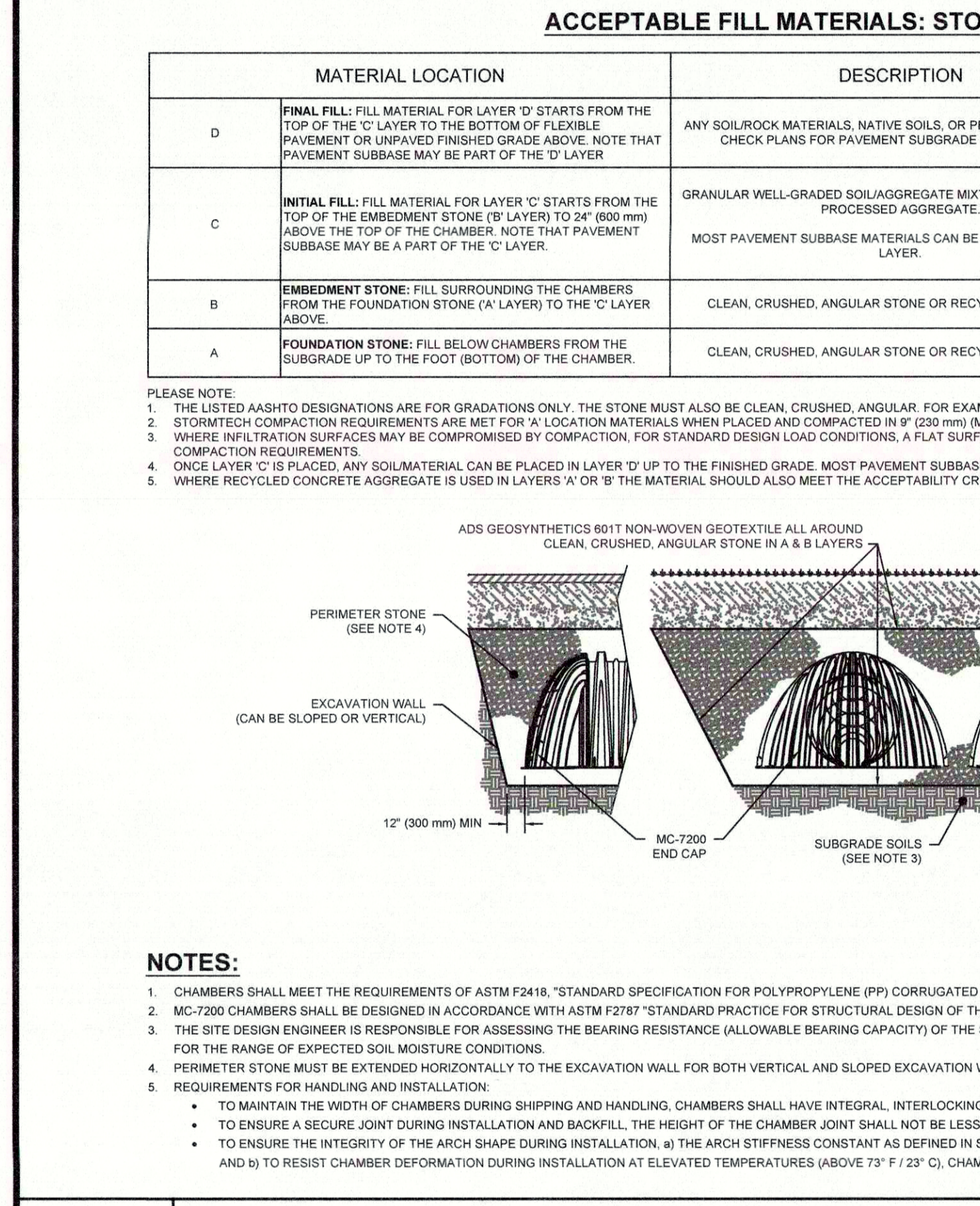
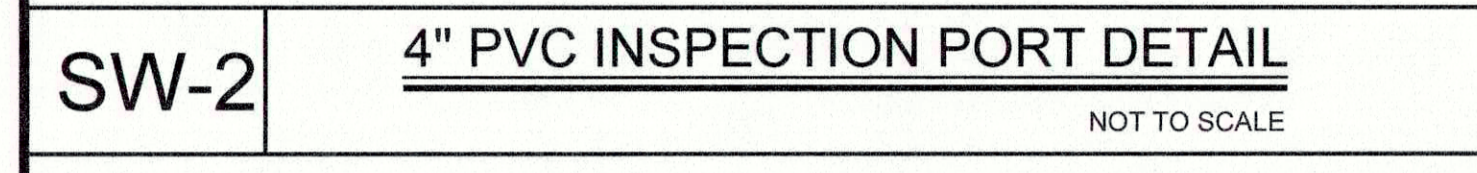
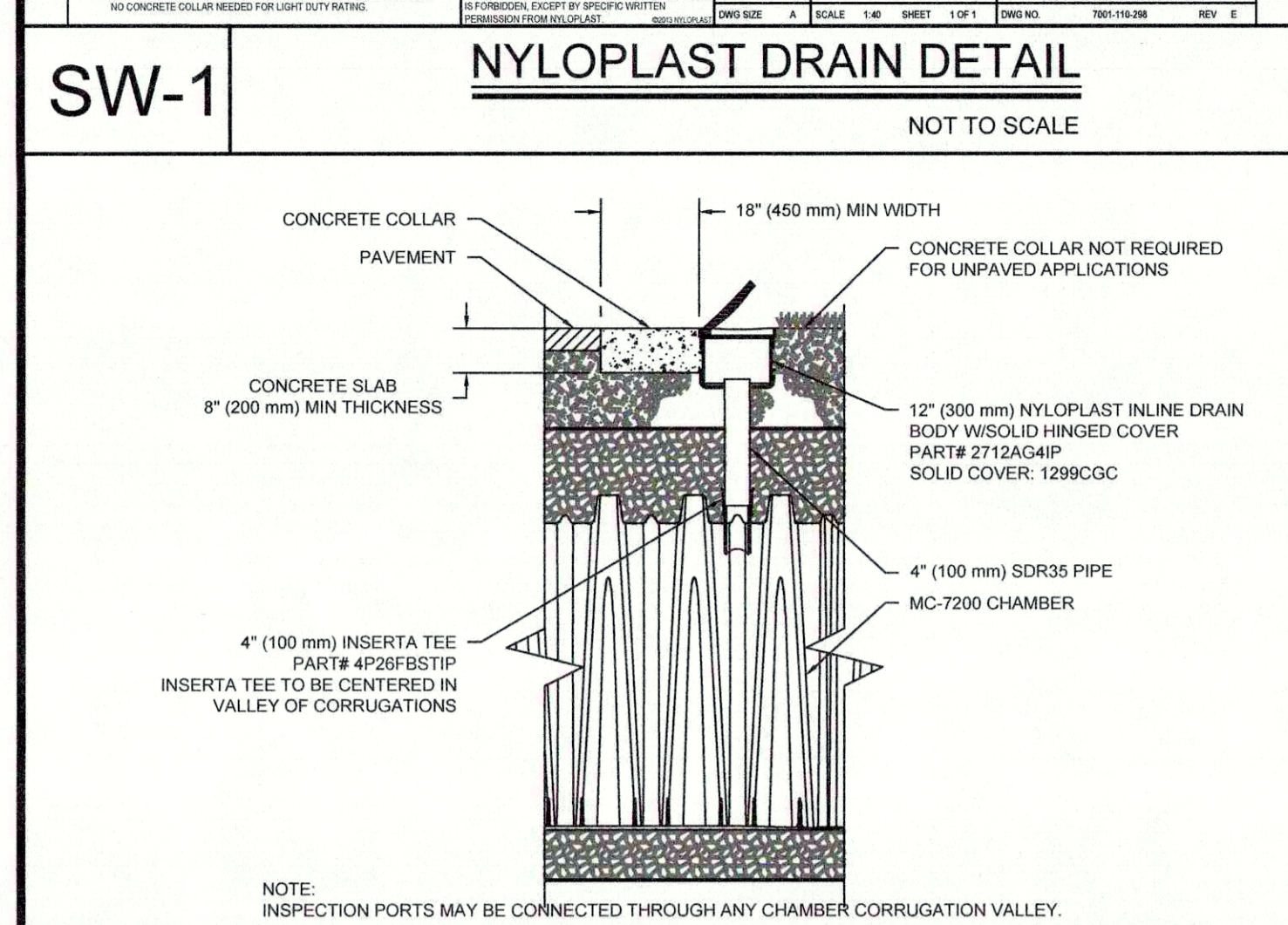
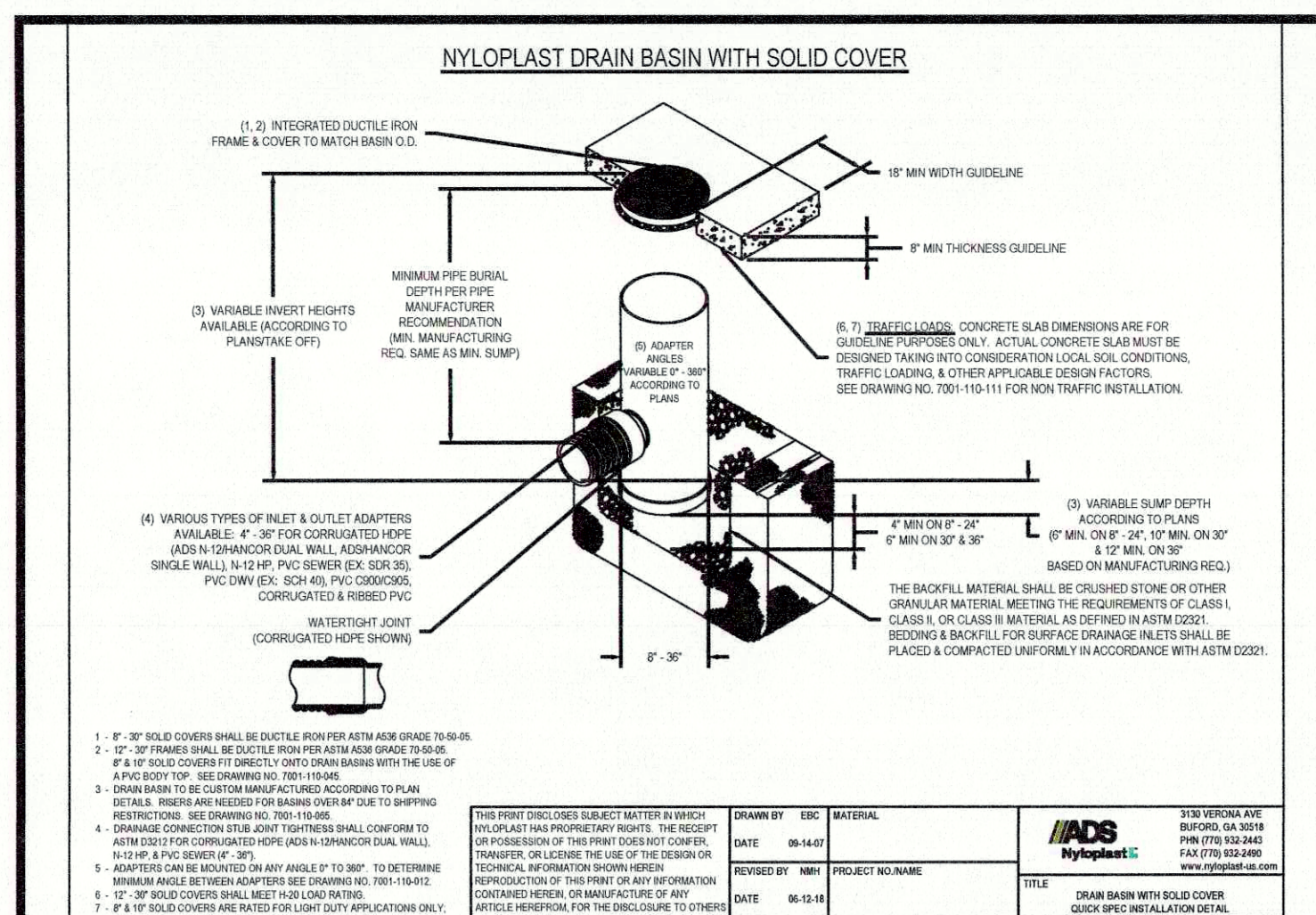
Site Design Consultants
Civil Engineers • Land Planners
251-F Underhill Avenue, Yorktown Heights, NY 10598
914-338-7586
www.sitedesignconsultants.com

UNDERHILL FARM
SITING PLAN PREPARED FOR
UNDERHILL AVENUE
Town of Yorktown
Westchester County, New York

APPROVED
Resolution Number 23-15
Date July 17, 2023

Scale: 1" = 10'-0"
Date: 6-22-20
Drawing: TK

Revisions:
No. | Date | Description
1 | 06/22/20 | Initial Design
2 | 07/17/20 | Approved for Construction
3 | 07/17/20 | Approved for Construction
4 | 07/17/20 | Approved for Construction
5 | 07/17/20 | Approved for Construction
6 | 07/17/20 | Approved for Construction
7 | 07/17/20 | Approved for Construction
8 | 07/17/20 | Approved for Construction
9 | 07/17/20 | Approved for Construction
10 | 07/17/20 | Approved for Construction



ADS RETENTION/DETENTION PIPE SYSTEM SPECIFICATION

SCOPE
THIS SPECIFICATION DESCRIBES ADS RETENTION/DETENTION PIPE SYSTEMS FOR USE IN NON-PRESSURE GRAVITY FLOW STORM WATER COLLECTION SYSTEMS UTILIZING A CONTINUOUS OUTFALL STRUCTURE.

PIPE REQUIREMENTS

- ADS RETENTION/DETENTION SYSTEMS MAY UTILIZE ANY OF THE VARIOUS PIPE PRODUCTS BELOW:
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
- N-12 WTB PIPE (PER ASTM F2368) SHALL MEET ASTM F2368
-

JOINT PERFORMANCE

WATER TIGHT (W/T) JOINTS
W/T JOINTS SHALL BE JOINED USING A BELL AND SPIGOT JOINT. THE JOINT SHALL BE WATER TIGHT ACCORDING TO THE REQUIREMENTS OF ASTM D3212. GASKETS SHALL MEET THE REQUIREMENTS OF ASTM F477. 12-60 INCH DIA. 1000 MM DIAMETERS SHALL HAVE A BELL REINFORCED WITH A POLYMER COMPOSITE BELL. THE BELL TOLERANCE DEVICE SHALL BE INSTALLED BY THE MANUFACTURER.

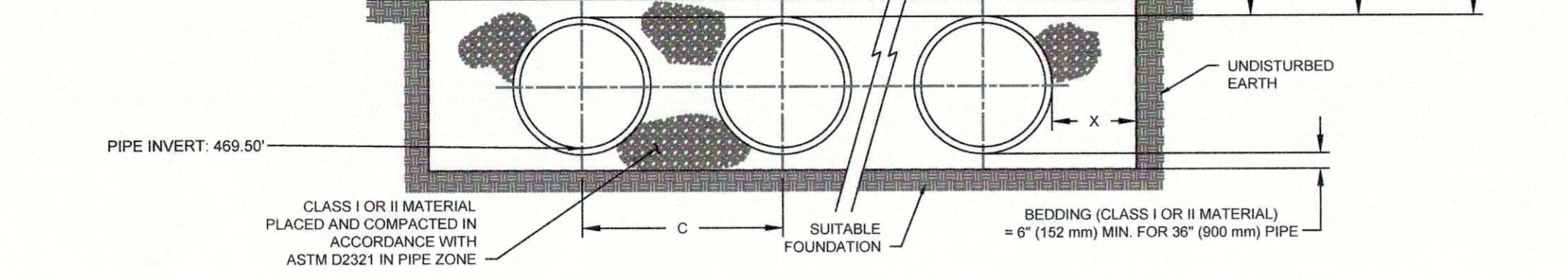
FITTINGS

FITTINGS SHALL CONFORM TO ASTM F2368 AND MEET JOINT PERFORMANCE INDICATED ABOVE FOR FITTINGS CONNECTIONS. CUSTOM FITTINGS ARE AVAILABLE AND MAY REQUIRE SPECIAL INSTALLATION CRITERIA.

INSTALLATION

INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM D3212 AND ADS RECOMMENDED INSTALLATION GUIDELINES, WITH THE EXCEPTION THAT MINIMUM COVER IN NON-TRAFFIC AREAS FOR 12-60 INCH DIA. (1000-1500 MM) DIAMETERS SHALL BE 1 FT (0.3 M) MINIMUM COVER IN TRAFFICKED AREAS FOR 12-60 INCH DIA. (1000-1500 MM) DIAMETERS SHALL BE 1 FT (0.3 M) AND FOR 42-60 INCH DIA. (1000-1500 MM) DIAMETERS, THE MINIMUM COVER SHALL BE 2 FT (0.6 M). BACKFILL SHALL CONSIST OF CLASS 1 (OR BETTER) OR CLASS II (OR BETTER) MATERIAL, WITH THE EXCEPTION THAT 80 INCH (2000 MM) SYSTEMS SHALL USE CLASS 1 MATERIAL ONLY. MINIMUM COVER HEIGHTS DO NOT ACCOUNT FOR PIPE BUDGANCY. REFER TO ADS TECHNICAL NOTE ADS-TF-01 FOR BUDGANCY DESIGN CONSIDERATIONS. MAXIMUM COVER OVER SYSTEM USING STANDARD BACKFILL IS 8 FT (2.4 M). CONTACT A REPRESENTATIVE FROM ADS FOR MORE INFORMATION. ADDITIONAL INSTALLATION REQUIREMENTS ARE PROVIDED IN THE DRAINAGE HANDBOOK SECTION 4 "THE TRENCH DETAIL".

TRAFFIC INSTALLATION



NOMINAL DIAMETER	NOMINAL O.D.	TYPICAL SPACING TO	TYPICAL SIZE	MIN. H. (TRAFFIC)	MIN. H. (NON-TRAFFIC)	MAX. H.
36"	407 mm	42"	60"	120 mm	120 mm	(2.4 M)
42"	457 mm	48"	72"	150 mm	150 mm	(3.0 M)

* MAXIMUM FILL HEIGHTS COVER MANHOLE FITTINGS. CONTACT MANUFACTURER'S REPRESENTATIVE FOR INSTALLATION CONSIDERATIONS WHEN COVER EXCEEDS 8 FT (2.4 M).

NOTES

- ALL REFERENCES TO CLASS I OR II MATERIAL ARE PER ASTM D3212 "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
- ALL RETENTION AND DETENTION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D3212, LATEST EDITION AND THE MANUFACTURER'S PUBLISHED INSTALLATION GUIDELINES.
- MEASURES SHOULD BE TAKEN TO PREVENT THE MIGRATION OF NATIVE INSECTS INTO THE BACKFILL MATERIAL, WHEN REQUIRED. SEE ASTM D3212.
- FILTER FABRIC: A GEOTEXTILE FABRIC MAY BE USED AS SPECIFIED BY THE ENGINEER TO PREVENT THE MIGRATION OF FIBERS FROM THE NATIVE SOIL INTO THE SELECT BACKFILL MATERIAL.
- CONDUCTIONS: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH STABLE MATERIAL, AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- ALL REFERENCES TO CLASS I OR II MATERIAL ARE PER ASTM D3212 "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
- TRAFFIC INSTALLATION: SUITABLE MATERIAL SHALL BE CLASS I OR II IN THE PIPE ZONE EXTENDING NOT LESS THAN 1' (0.3 M) ABOVE CHIMNEY OF THE TRENCH. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D3212, LATEST EDITION.
- COVER: MINIMUM COVER OVER ALL RETENTION/DETENTION SYSTEMS IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" (300 MM) FROM TOP OF PIPE TO GRADE SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER IS 12" (300 MM) UP TO 36" (900 MM) DIAMETER PIPE AND 24" (610 MM) OF COVER FOR 42-60" (1000-1500 MM) DIAMETER PIPE. MEASUREMENT FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. MAXIMUM FILL HEIGHT LIMITED TO 8 FT (2.4 M) OVER FITTINGS FOR STANDARD INSTALLATIONS. CONTACT A SALES REPRESENTATIVE WHEN MAXIMUM FILL HEIGHTS EXCEED 8 FT (2.4 M) FOR INSTALLATION CONSIDERATIONS.

DC-1 DETENTION CHAMBER SECTION DETAIL

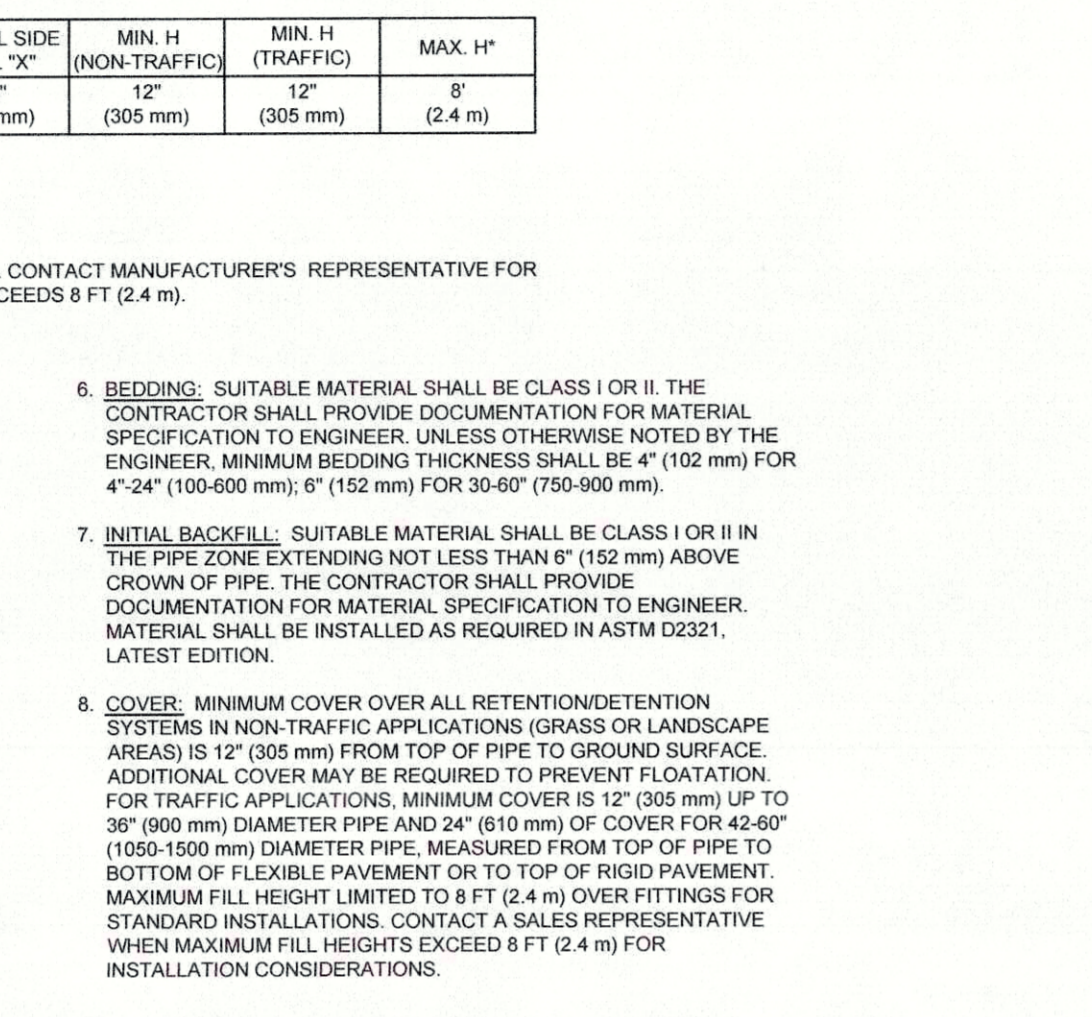
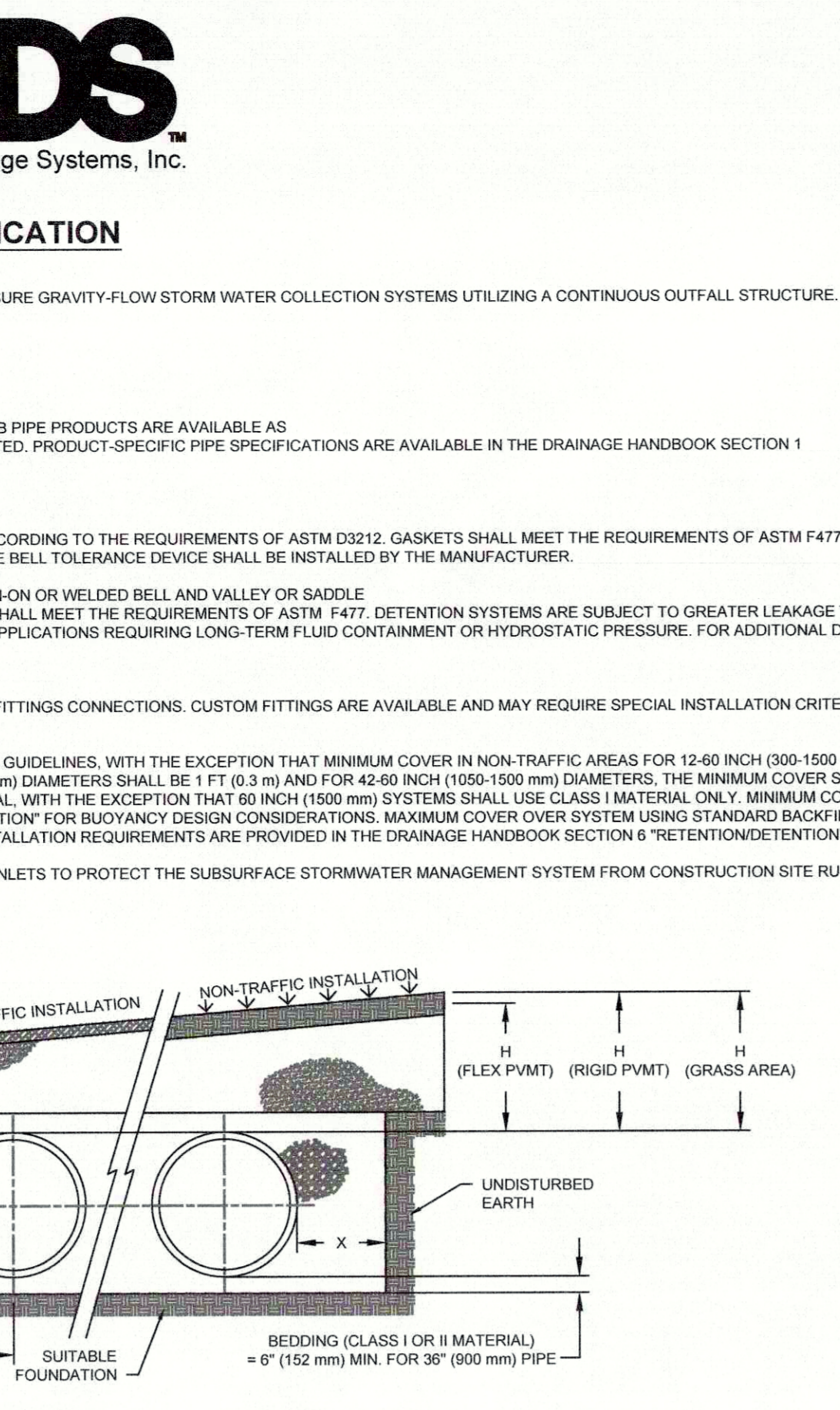
NOT TO SCALE

DC-2 DETENTION CHAMBER DETAIL

NOT TO SCALE

DC-3 DETENTION CHAMBER LAYOUT

NOT TO SCALE



DC-1 DETENTION CHAMBER SECTION DETAIL

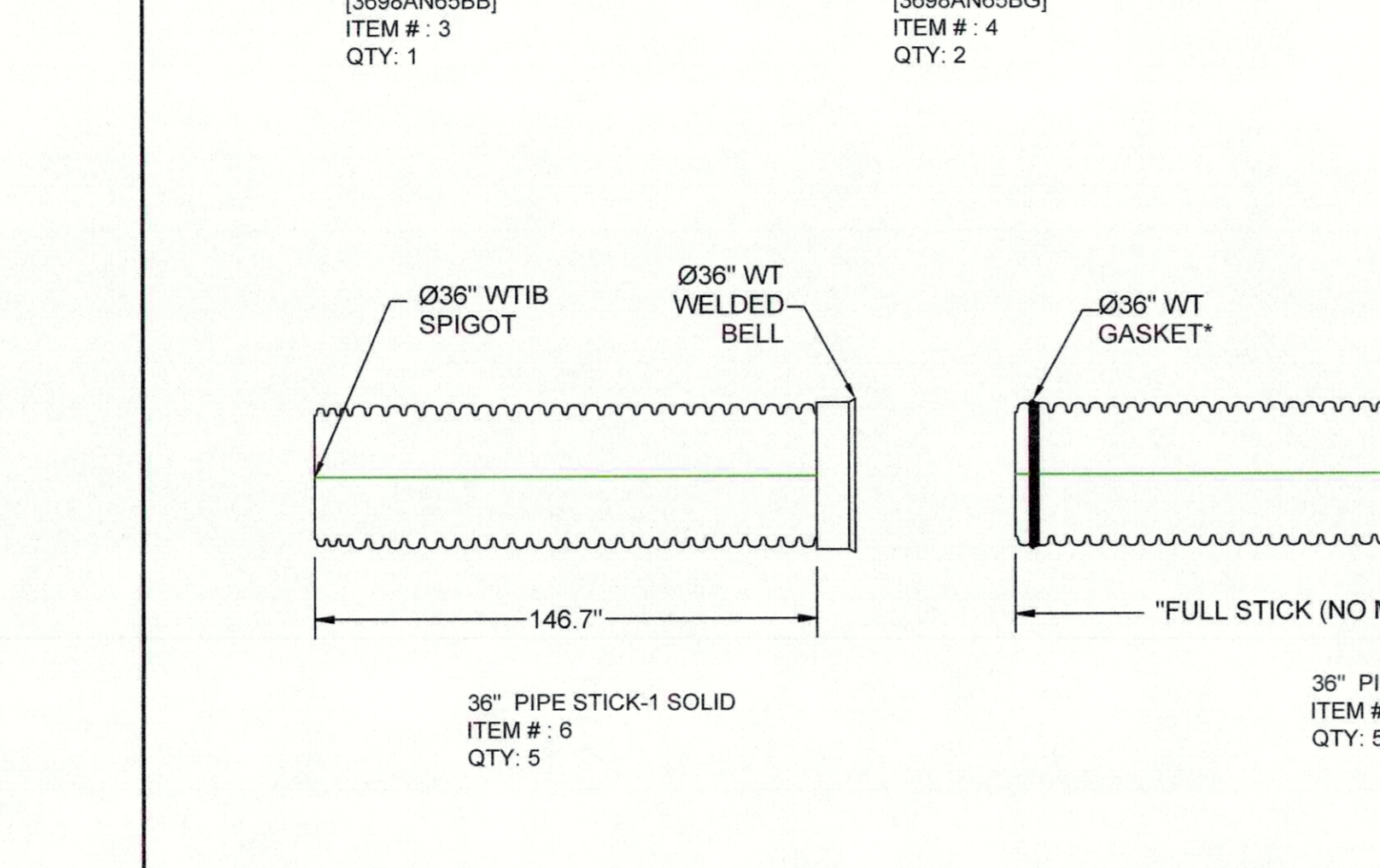
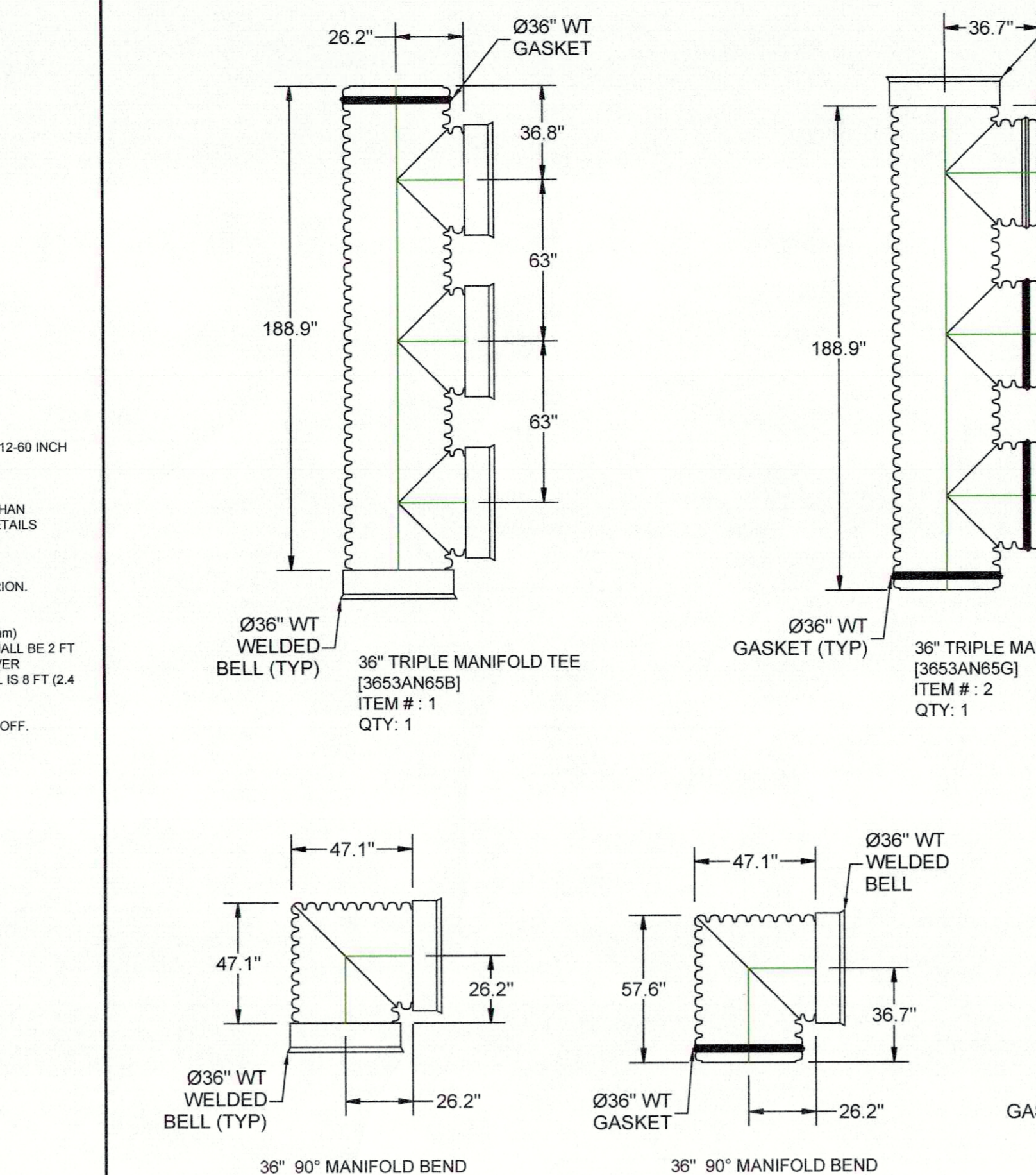
NOT TO SCALE

DC-2 DETENTION CHAMBER DETAIL

NOT TO SCALE

DC-3 DETENTION CHAMBER LAYOUT

NOT TO SCALE



DC-1 DETENTION CHAMBER SECTION DETAIL

NOT TO SCALE

DC-2 DETENTION CHAMBER DETAIL

NOT TO SCALE

DC-3 DETENTION CHAMBER LAYOUT

NOT TO SCALE

ITEM	QTY	ALT. QTY	PART #	DESCRIPTION	STAN.	VENDOR	NOTE
1	1		3668AN55B	36\"/>			

ITEM	QTY	ALT. QTY	PART #	DESCRIPTION	STAN.	VENDOR	NOTE
1	1		3668AN55B	36\"/>			

DC-1 DETENTION CHAMBER SECTION DETAIL

NOT TO SCALE

DC-2 DETENTION CHAMBER DETAIL

NOT TO SCALE

DC-3 DETENTION CHAMBER LAYOUT

NOT TO SCALE

ITEM	QTY	ALT. QTY	PART #	DESCRIPTION	STAN.	VENDOR	NOTE
1	1		3668AN55B	36\"/>			

ITEM	QTY	ALT. QTY	PART #	DESCRIPTION	STAN.	VENDOR	NOTE
1	1		3668AN55B	36\"/>			

DC-1 DETENTION CHAMBER SECTION DETAIL

NOT TO SCALE

DC-2 DETENTION CHAMBER DETAIL

NOT TO SCALE

DC-3 DETENTION CHAMBER LAYOUT

NOT TO SCALE

ITEM	QTY	ALT. QTY	PART #	DESCRIPTION	STAN.	VENDOR	NOTE
1	1		3668AN55B	36\"/>			

ITEM	QTY	ALT. QTY	PART #	DESCRIPTION	STAN.	VENDOR	NOTE
1	1		3668AN55B	36\"/>			

DC-1 DETENTION CHAMBER SECTION DETAIL

NOT TO SCALE

DC-2 DETENTION CHAMBER DETAIL

NOT TO SCALE

DC-3 DETENTION CHAMBER LAYOUT

NOT TO SCALE

ITEM	QTY	ALT. QTY	PART #	DESCRIPTION	STAN.	VENDOR	NOTE
1	1		3668AN55B	36\"/>			

ITEM	QTY	ALT. QTY	PART #	DESCRIPTION	STAN.	VENDOR	NOTE
1	1		3668AN55B	36\"/>			

DC-1 DETENTION CHAMBER SECTION DETAIL

NOT TO SCALE

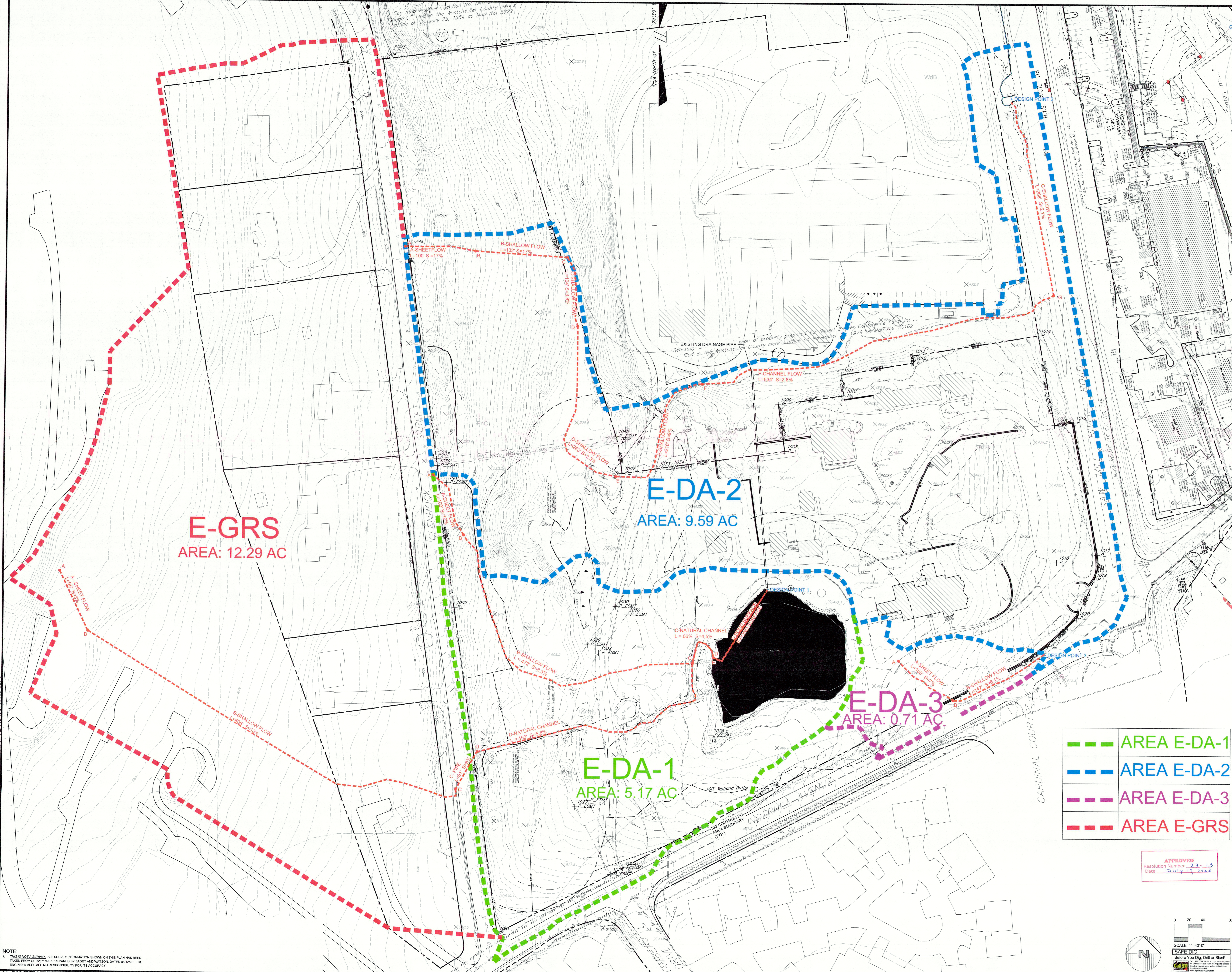
DC-2 DETENTION CHAMBER DETAIL

NOT TO SCALE

DC-3 DETENTION CHAMBER LAYOUT

NOT TO SCALE

Start Node	Stop Node	Invert (Start) (ft)	Invert (Stop) (ft)	Length (User Defined) (ft)	Slope (Calculated) (%)	Diameter (in)	Manning's n	Flow (cfs)	Velocity (ft/s)	Depth (Out) (ft)	Flow / Capacity (Design) (%)	Capacity (Design) (cfs)
POCKET WETLAND	ES-9	491.75	491.5	0.59	12	0.012	10.19	6.12	1.05	18.87	54	54
TD-1	CB-19	472.38	471.7	52.3	1.29	12	0.012	0	0	0.58	4.38	0
DI-4	DI-5	507.55	493.32	327.6	6.04	15	0.012	0.31	5.39	0.22	17.19	1.8
DI-5	DMH-3	493.55	480.34	169.3	7.81	15	0.012	0.78	7.75	0.37	19.55	4
DMH-3	CB-15	480.32	478.75	118.1	1.33	18	0.012	0.77	4.07	0.48	13.13	5.9
CB-14	CB-13	484.61	484.32	38.2	0.75	15	0.012	0.29	2.53	0.3	6.06	4.7
DI-6	CB-12	493.75	492.37	89.9	1.53	15	0.012	0.31	3.33	0.16	8.67	3.6
CB-12	CB-11	492.37	492.25	24.4	0.50	15	0.012	0.15	0.12	0.19	4.95	2.9
CB-12	CB-13	492.12	484.32	206.1	3.79	15	0.012	0.75	5.95	0.2	13.61	5.5
CB-13	CB-15	484.07	478.75	104.4	5.09	24	0.012	1.03	6.81	0.48	55.31	1.9
CB-15	CB-16	480										



E-GRS
AREA: 12.29 AC

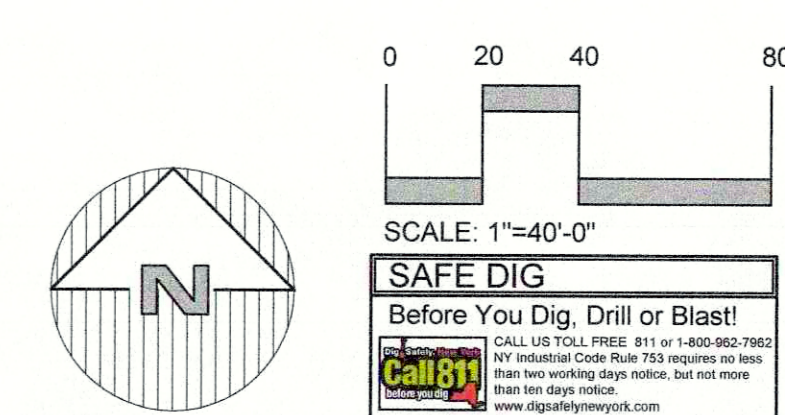
E-DA-2
AREA: 9.59 AC

E-DA-1
AREA: 5.17 AC

E-DA-3
AREA: 0.71 AC

	AREA E-DA-1
	AREA E-DA-2
	AREA E-DA-3
	AREA E-GRS

APPROVED
Resolution Number 23-13
Date July 17, 2023



NOTE:
THIS IS NOT A SURVEY. ALL SURVEY INFORMATION SHOWN ON THIS PLAN HAS BEEN TAKEN FROM SURVEY MAP PREPARED BY BADEY AND WATSON, DATED 06/12/20. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

NOTE: UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW.

Site Design Consultants
Civil Engineers • Land Planners
251-F Underhill Avenue, Yorktown Heights, NY 10598
(914) 962-4488 • Fax: (914) 962-7386
www.sitedesignconsultants.com

Joseph C. Rina, P.E.
NSPE No. 64431
NYS License No. 64431

No.	Date	Revisions
1	8/1/23	Site Plan Update
2	7/17/23	Final Plan Update
3	7/17/23	Final Plan Update
4	7/17/23	Final Plan Update
5	7/17/23	Final Plan Update
6	7/17/23	Final Plan Update
7	7/17/23	Final Plan Update
8	7/17/23	Final Plan Update
9	7/17/23	Final Plan Update
10	7/17/23	Final Plan Update
11	7/17/23	Final Plan Update
12	7/17/23	Final Plan Update
13	7/17/23	Final Plan Update
14	7/17/23	Final Plan Update
15	7/17/23	Final Plan Update
16	7/17/23	Final Plan Update
17	7/17/23	Final Plan Update
18	7/17/23	Final Plan Update
19	7/17/23	Final Plan Update
20	7/17/23	Final Plan Update
21	7/17/23	Final Plan Update
22	7/17/23	Final Plan Update
23	7/17/23	Final Plan Update
24	7/17/23	Final Plan Update
25	7/17/23	Final Plan Update
26	7/17/23	Final Plan Update
27	7/17/23	Final Plan Update
28	7/17/23	Final Plan Update
29	7/17/23	Final Plan Update
30	7/17/23	Final Plan Update

Scale: 1" = 40'

Drawn by: TK

Date: 6-2-20

SITE PLAN
PREPARED FOR

UNDERHILL FARM

UNDERHILL AVENUE

Westchester County, New York

PRE DEV WATERSHED

Sheet

WS-1

Town of Yorktown

