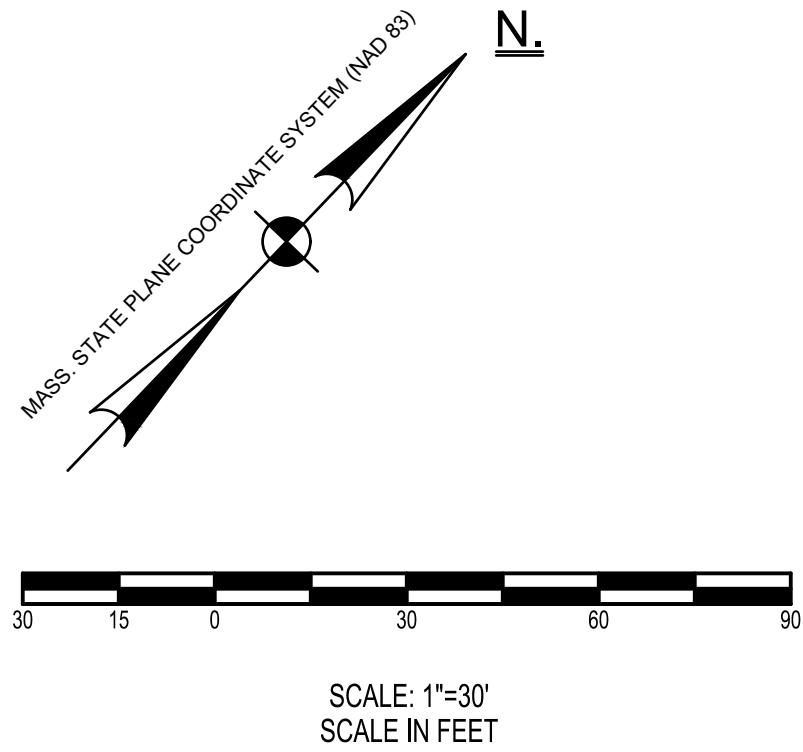


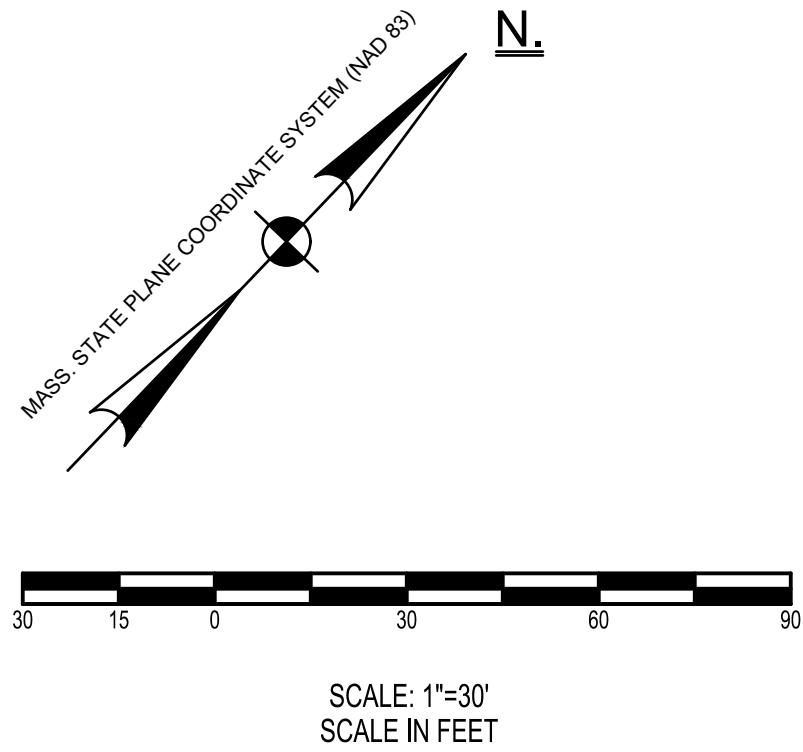


- LEGEND:
- TREELINE
 - PROPERTY LINE
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - UNDERGROUND ELECTRI/TELEPHONE/CATV
 - FIRE SUPPLY
 - DOMESTIC WATER
 - DRAIN
 - SANITARY SEWER FORCE MAIN
 - SANITARY SEWER
 - GAS
 - OVERHEAD WIRES
 - PEDESTRIAN ROUTES
 - EROSION CONTROL BARRIER AND LIMIT OF WORK

NOTES:

1. UNDERGROUND UTILITIES DEPICTED HEREON ARE TO BE CONSIDERED APPROXIMATE. ALL UNDERGROUND UTILITIES ARE NOT SHOWN ON THIS MAP.





- LEGEND:**
- | | |
|--|---|
| | TREELINE |
| | PROPERTY LINE |
| | EXISTING CONTOUR |
| | PROPOSED CONTOUR |
| | UNDERGROUND ELECTRIC/TELEPHONE/CATV |
| | FIRE SUPPLY |
| | DOMESTIC WATER |
| | DRAIN |
| | SANITARY SEWER FORCE MAIN |
| | SANITARY SEWER |
| | GAS |
| | OVERHEAD WIRES |
| | PEDESTRIAN ROUTES |
| | EROSION CONTROL BARRIER AND LIMIT OF WORK |

NOTES:

1. UNDERGROUND UTILITIES DEPICTED HEREON ARE TO BE CONSIDERED APPROXIMATE. ALL UNDERGROUND UTILITIES ARE NOT SHOWN ON THIS MAP.



1150 Pawtucket Avenue
Rumford, RI 02916-1897
(401) 434-8880 Office
(401) 434-1615 Fax
www.cwfid.net

www.BETA-Inc.com

DATE:

SCALE:

DRAWN BY:

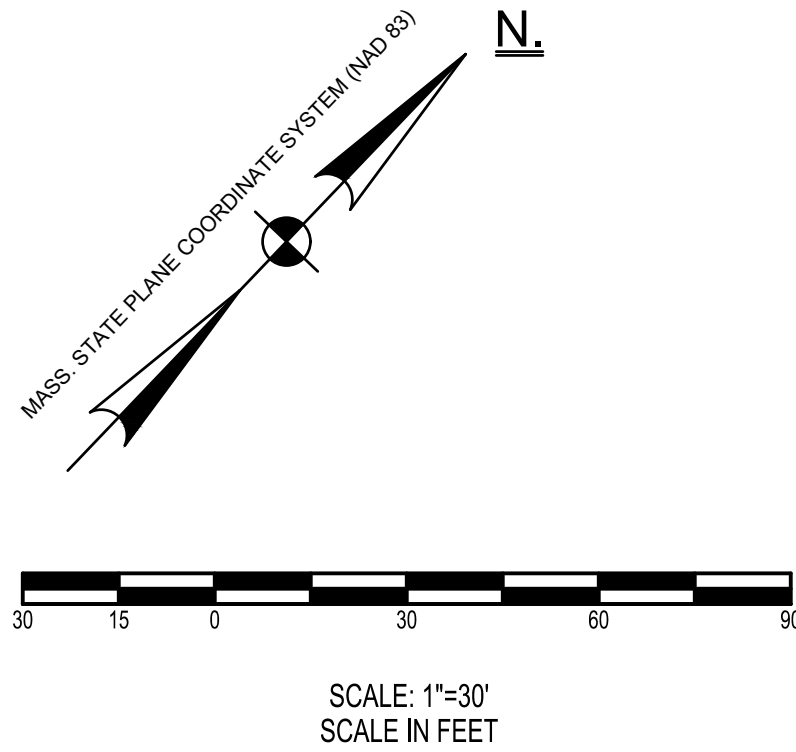
PROJECT #

GREENBRIER II
RI SEEKONK HOLDINGS LLC

AJA ARCHITECTS
16 MASON AVE SUITE 5 NORTH ATTLEBORO, MA 02760
(781) 935-2500

C-201.2

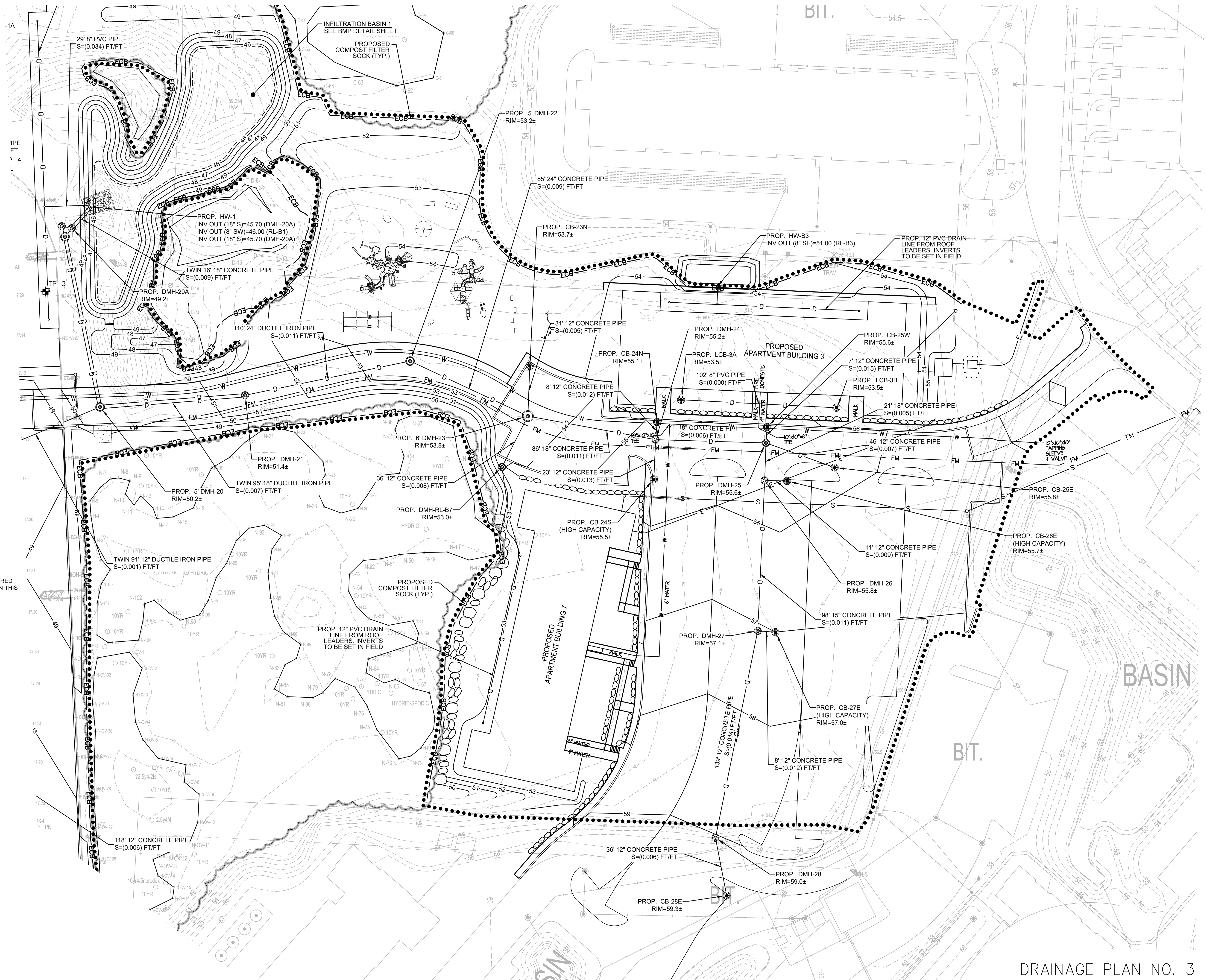
SHEET 3.5 OF 21



- LEGEND:
- TREELINE
 - PROPERTY LINE
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - UNDERGROUND ELECTRIC/TELEPHONE/CATV
 - FIRE SUPPLY
 - DOMESTIC WATER
 - DRAIN
 - SANITARY SEWER FORCE MAIN
 - SANITARY SEWER
 - GAS
 - OVERHEAD WIRES
 - PEDESTRIAN ROUTES
 - EROSION CONTROL BARRIER AND LIMIT OF WORK

NOTES:

1. UNDERGROUND UTILITIES DEPICTED HEREON ARE TO BE CONSIDERED APPROXIMATE. ALL UNDERGROUND UTILITIES ARE NOT SHOWN ON THIS MAP.



DRAINAGE PLAN NO. 3

1150 Pawtucket Avenue
Rumford, RI 02916-1897
(401) 434-8880 Office
(401) 434-1615 Fax
www.cwld.net

Caputo & Wick
CIVIL ENGINEERING • SURVEYING
TRANSPORTATION • ENVIRONMENTAL

BETA
www.BETA-Inc.com

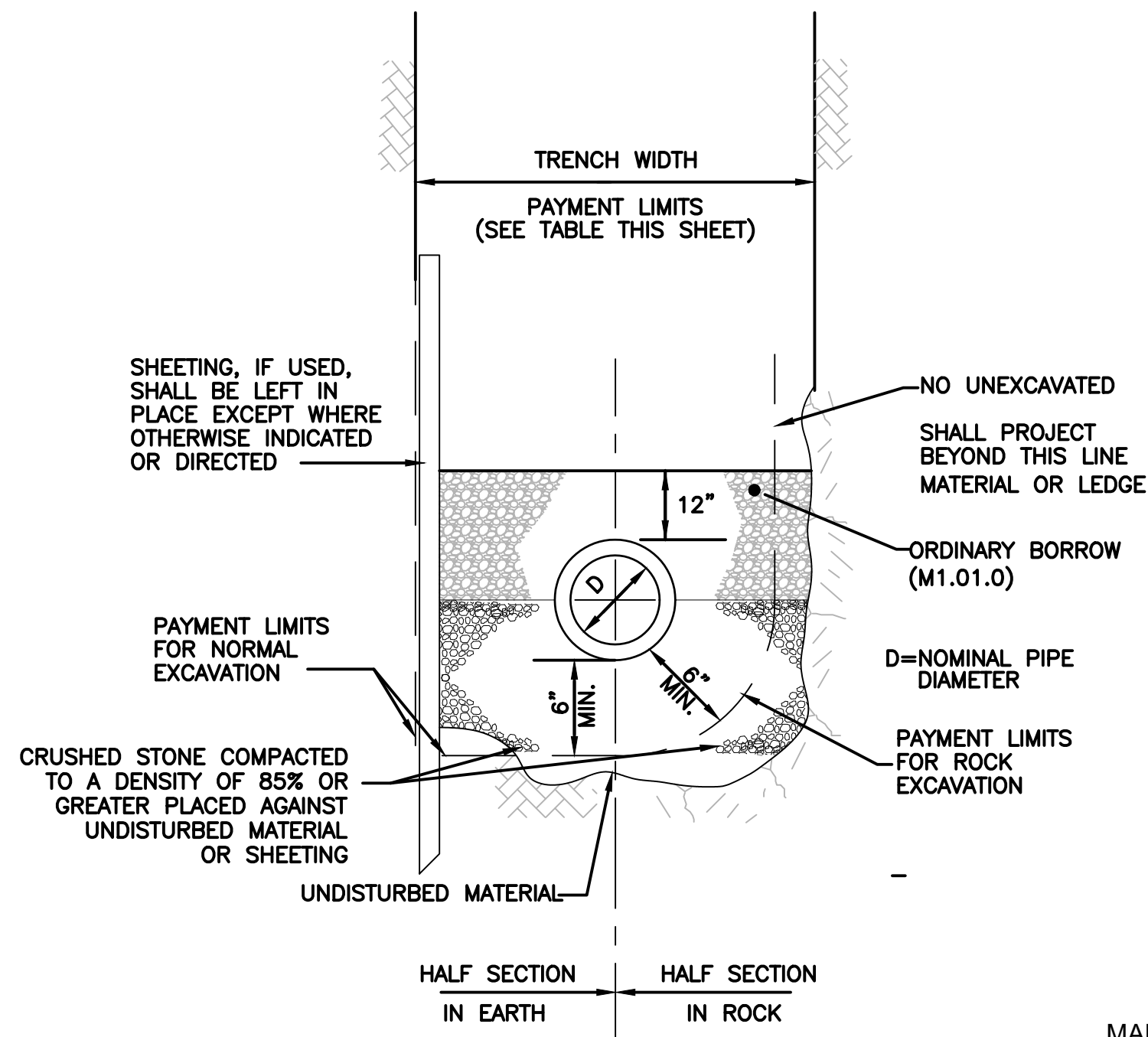
DATE:
SCALE:
DRAWN BY:

AJA architects
PROJECT #

GREENBRIER II
RI SEEKONK HOLDINGS LLC

AJA ARCHITECTS
16 MASON AVE SUITE 5 NORTH ATTLEBORO, MA 02760
(81) 935-2500

C-201.3
SHEET 3.6 OF 21



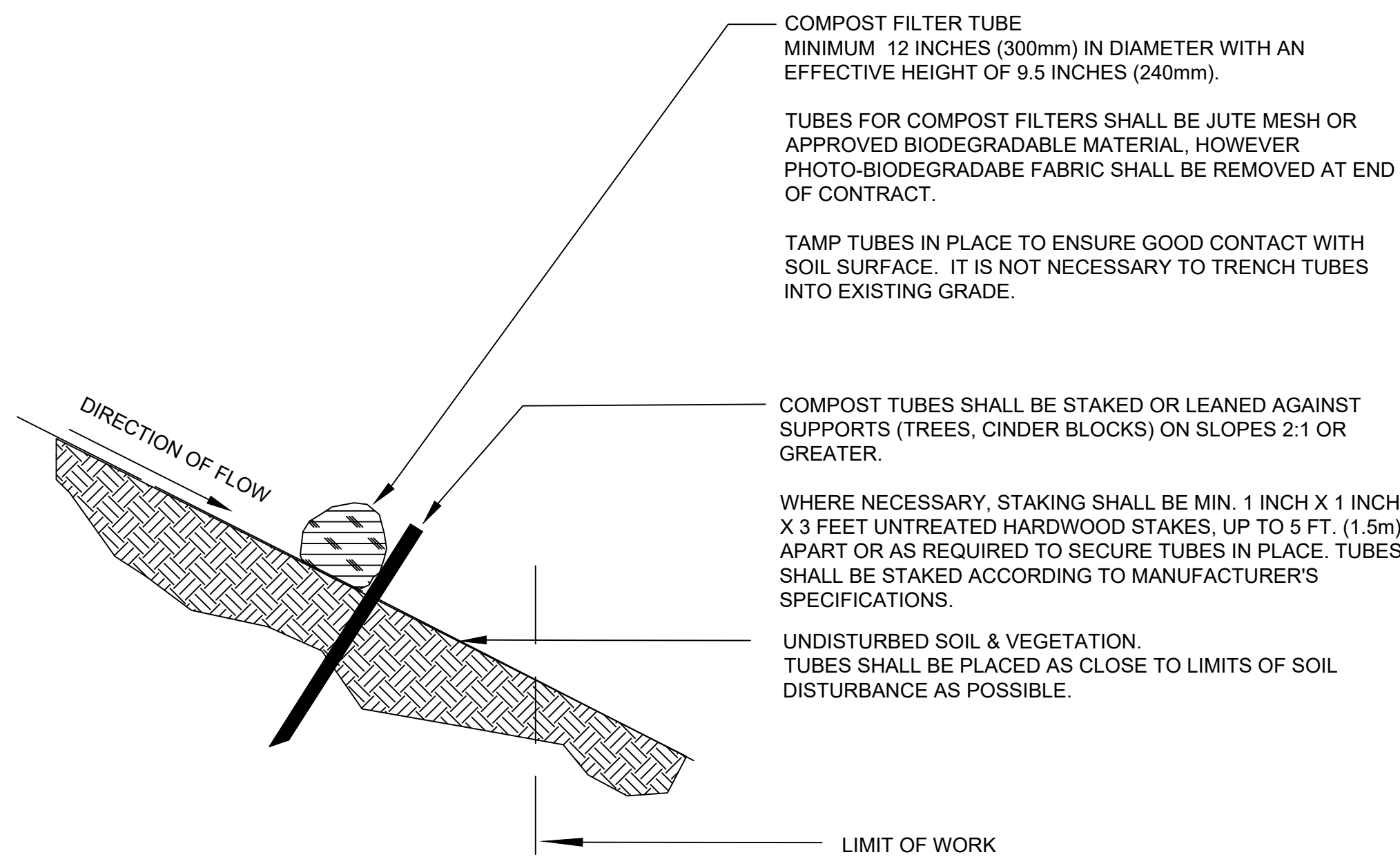
DRAIN TRENCH SECTION

MAXIMUM PAYMENT LIMITS			
DIAMETER OF PIPE D IN INCHES	TRENCH WIDTH IN FEET	TEMPORARY PAVEMENT IN FEET	
		TRENCH DEPTH	
		< OR = 10'	> 10'
12 AND SMALLER	6.00	7.00	8.00
15	6.25	7.25	8.25
18	6.50	7.50	8.50
21	6.75	7.75	8.75
24	7.00	8.00	9.00
27	7.25	8.25	9.25
30	7.50	8.50	9.50
36	8.00	9.00	10.00
42	8.50	9.50	10.50
48	9.00	10.00	11.00
54	9.50	10.50	11.50

CLASS B ROCK EXCAVATION

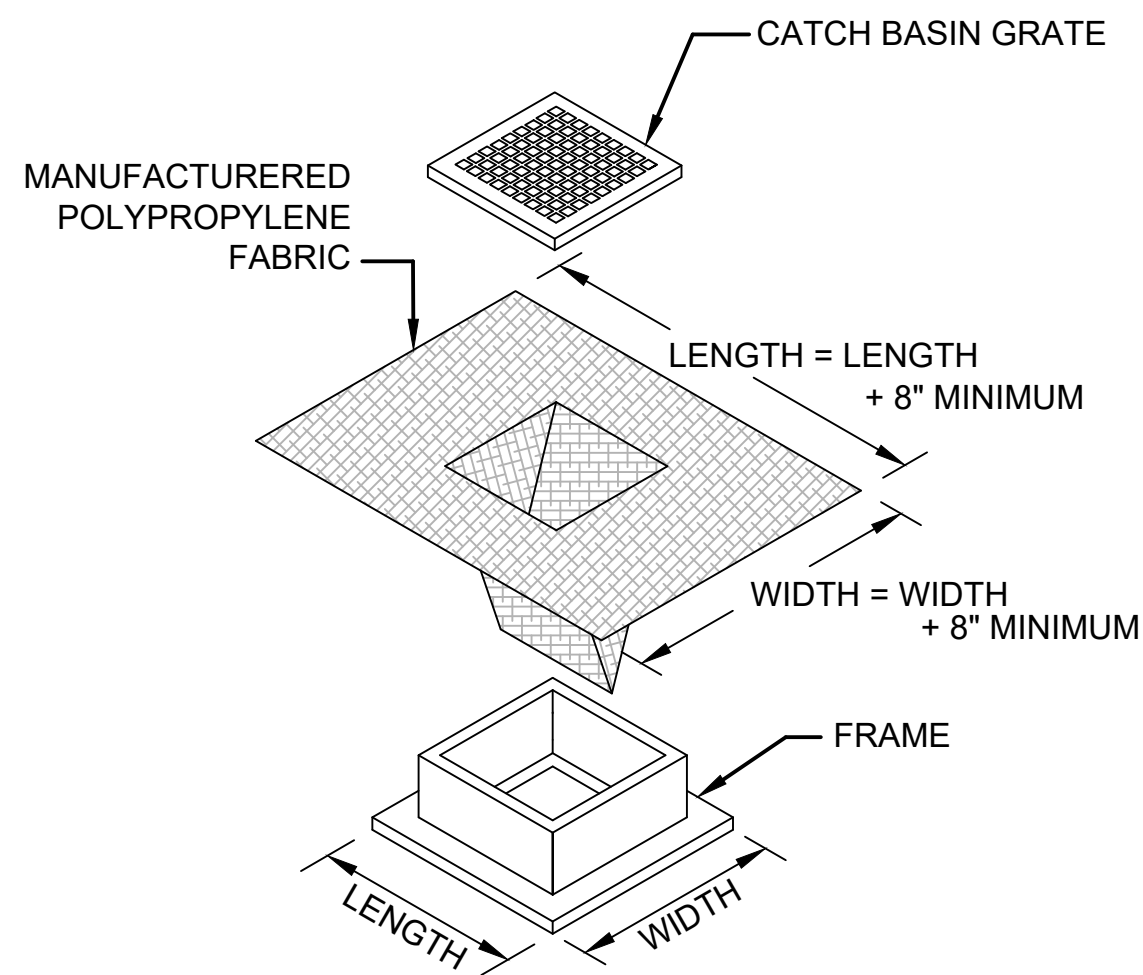
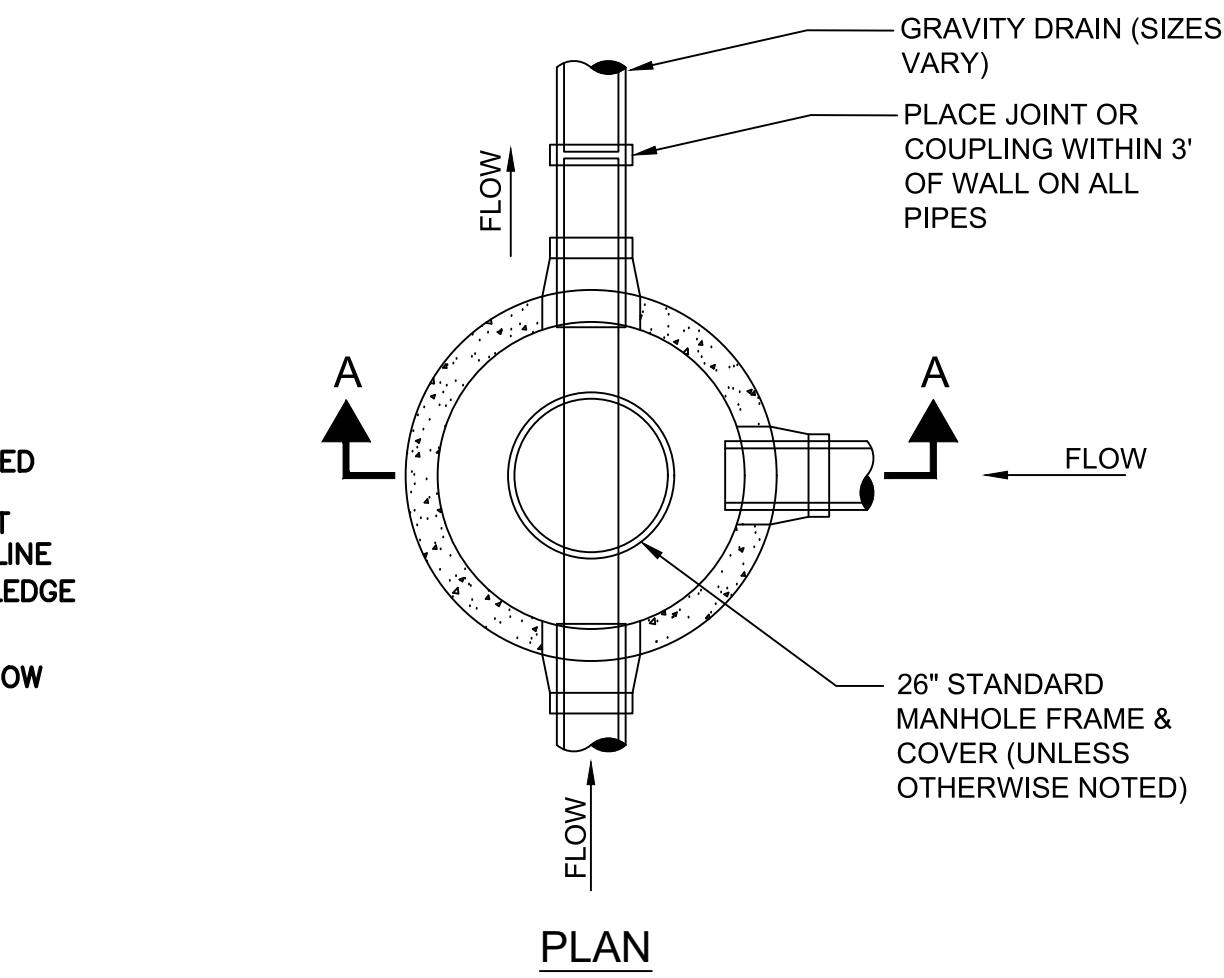
MAXIMUM PAYMENT LIMITS	
DIAMETER OF PIPE D IN INCHES	TRENCH WIDTH IN INCHES
12 AND SMALLER	28.00
15	31.00
18	34.00
24	40.00

*NOTE: MAXIMUM 6" ROCK EXCAVATION BELOW PIPE.



SEDIMENT CONTROL BARRIER

NOT TO SCALE

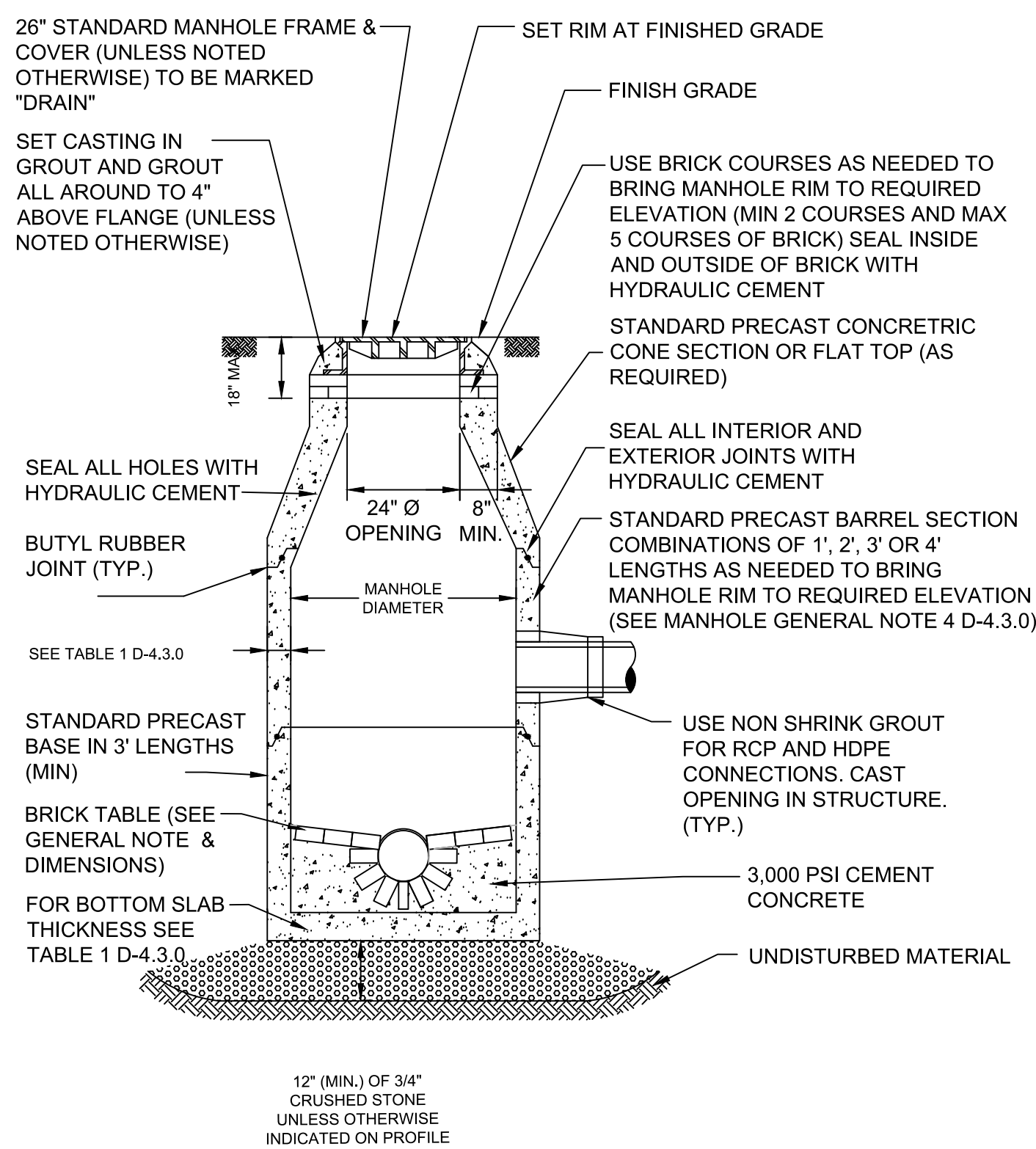


NOTES

1. LENGTH AND WIDTH OF POLYPROPYLENE FABRIC MUST EXCEED EXISTING CATCH BASIN FRAME DIMENSIONS BY A MINIMUM OF 8".
2. REMOVE CATCH BASIN GRATE AND INSTALL POLYPROPYLENE FABRIC OVER CATCH BASIN FRAME. REPLACE CATCH BASIN GRATE TO SECURE POLYPROPYLENE FABRIC IN PLACE.
3. CATCH BASIN EROSION CONTROL TO BE PLACED AT ALL CATCH BASIN WITHIN PROJECT LIMITS.

TYPICAL CATCH BASIN EROSION CONTROL PROTECTION

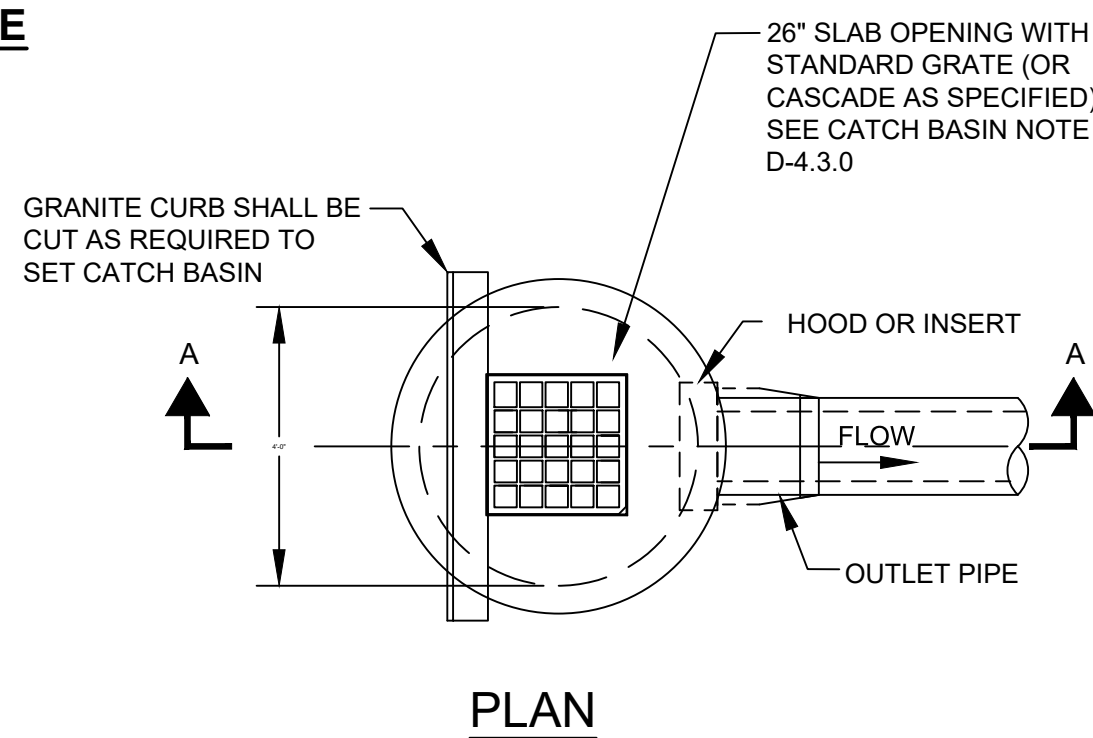
NOT TO SCALE



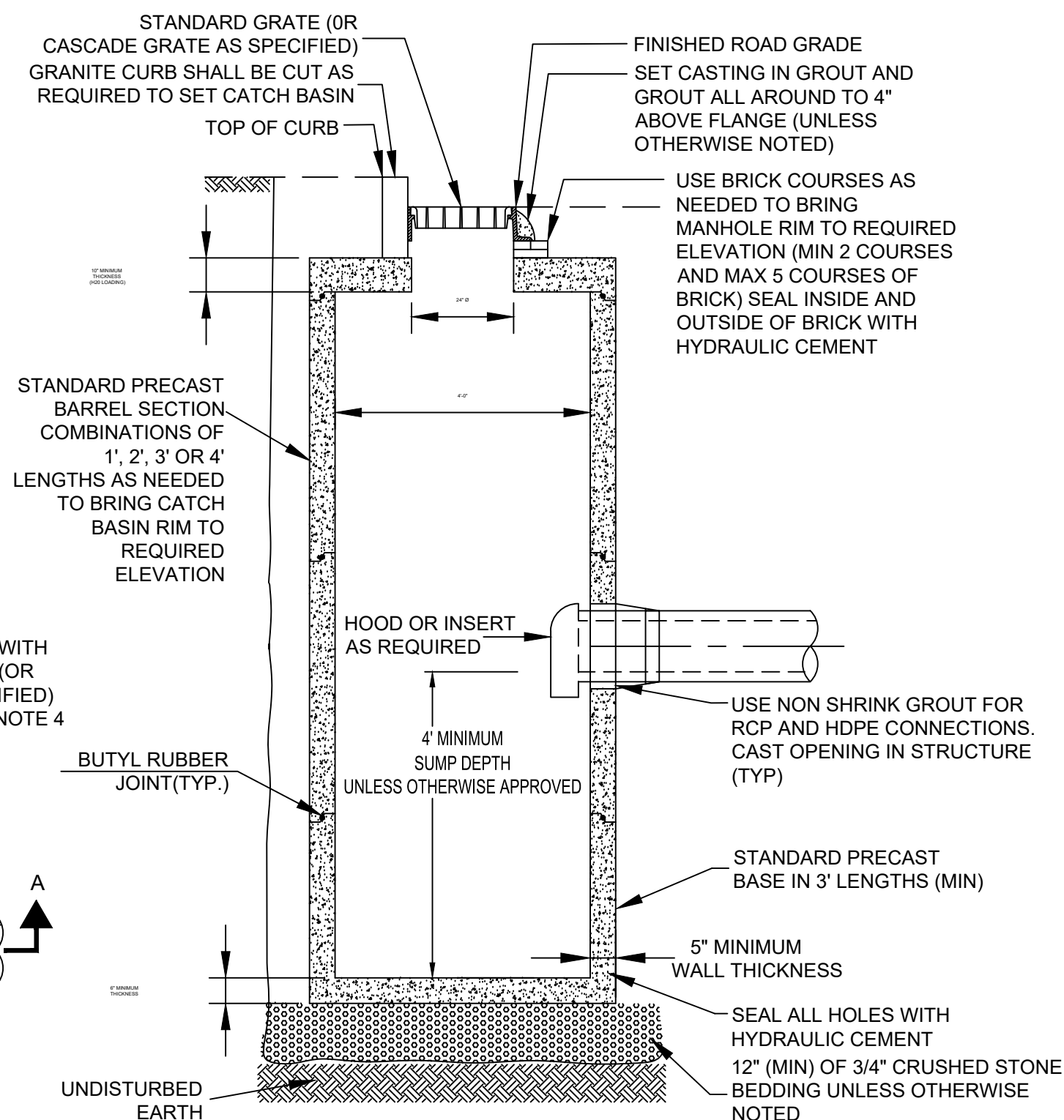
SECTION A-A

TYPICAL DRAIN MANHOLE

NOT TO SCALE



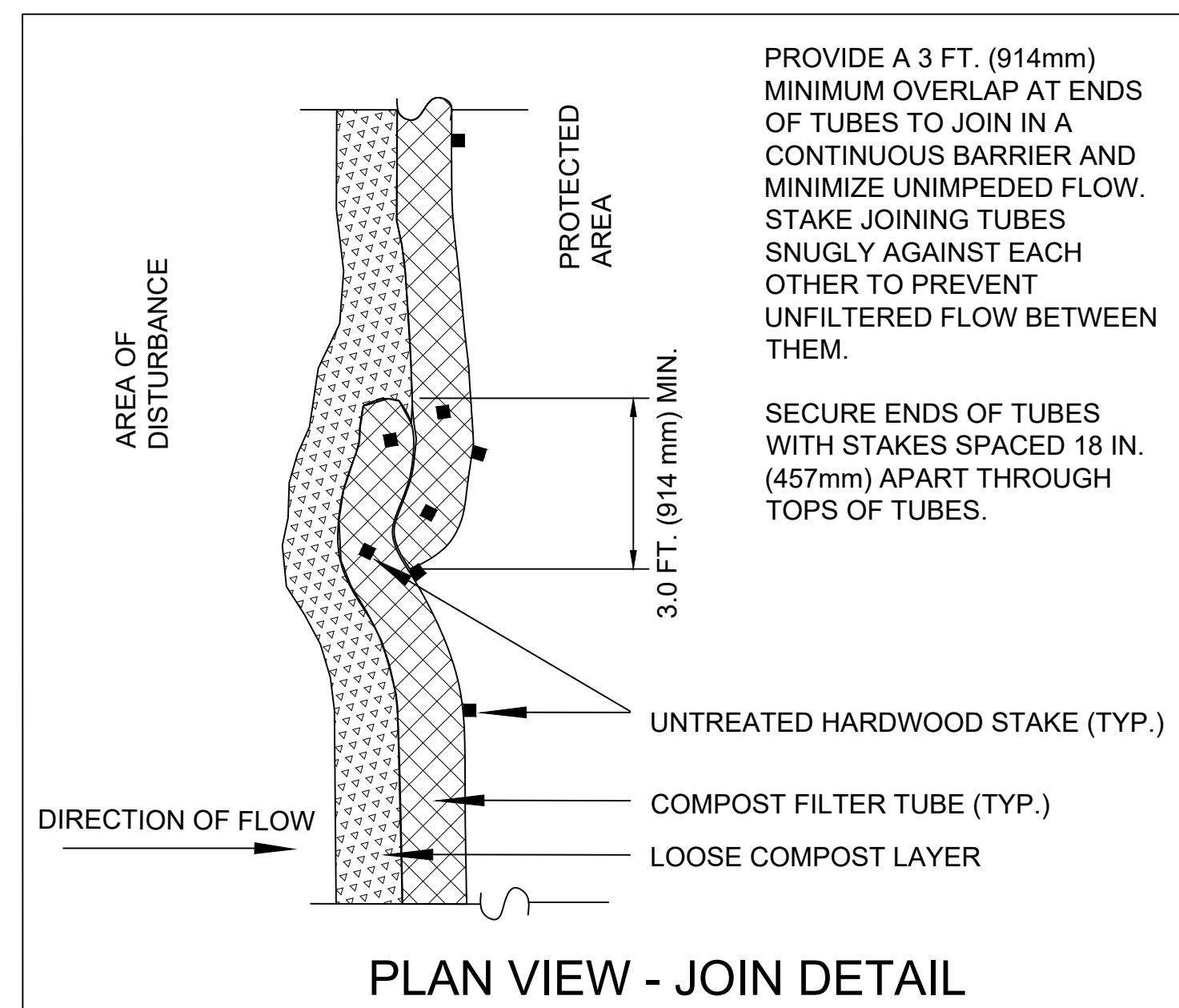
PLAN



SECTION A-A

TYPICAL CATCH BASIN

NOT TO SCALE



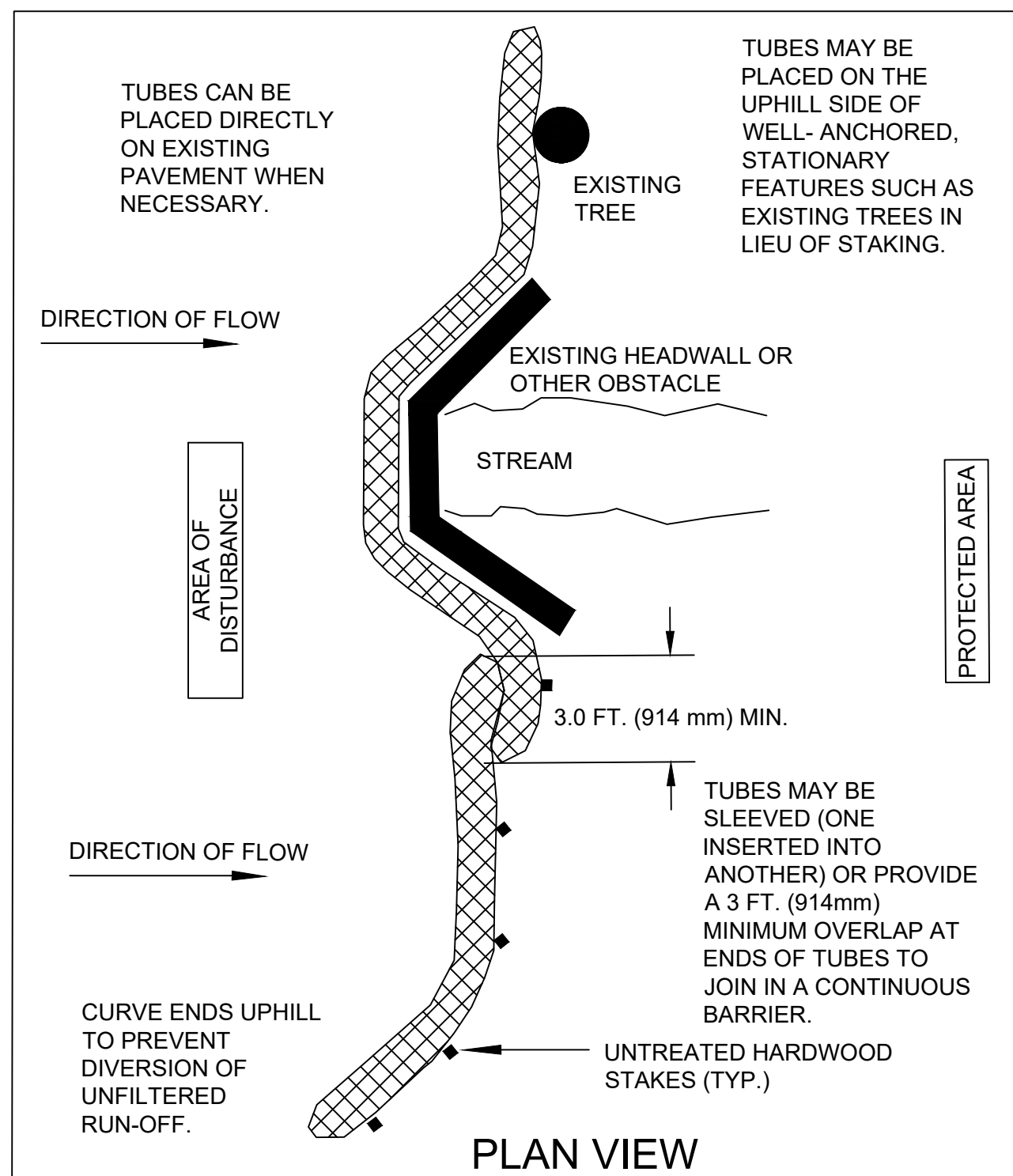
PLAN VIEW - JOIN DETAIL

GENERAL NOTES:

1. PROVIDE A MINIMUM TUBE DIAMETER OF 12 INCHES (300mm) FOR SLOPES UP TO 50 FEET (15.24m) IN LENGTH WITH A SLOPE RATIO OF 3H:1V OR STEEPER. LONGER SLOPES OF 3H:1V MAY REQUIRE LARGER TUBE DIAMETER OR ADDITIONAL COURSING OF FILTER TUBES TO CREATE A FILTER BERM. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR SITUATIONS WITH LONGER OR STEEPER SLOPES.
2. INSTALL TUBES ALONG CONTOURS AND PERPENDICULAR TO SHEET OR CONCENTRATED FLOW.
3. TUBE LOCATION MAY BE SHIFTED TO ADJUST TO LANDSCAPE FEATURES, BUT SHALL PROTECT UNDISTURBED AREA AND VEGETATION TO MAXIMUM EXTENT POSSIBLE.
4. DO NOT INSTALL IN PERENNIAL, EPHEMERAL OR INTERMITTENT STREAMS.
5. ADDITIONAL TUBES SHALL BE USED AT THE DIRECTION OF THE ENGINEER.
6. ADDITIONAL STAKING SHALL BE USED AT THE DIRECTION OF THE ENGINEER.

20150226_MassDOT_rev7

PLAN VIEW



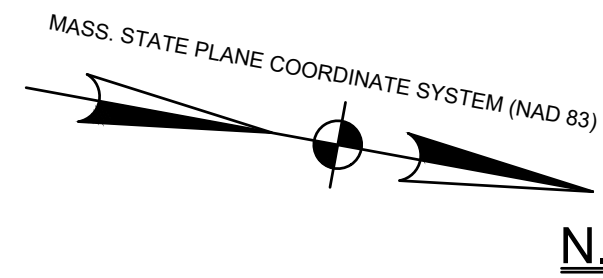
Structure Table	
Structure Name	Structure Details
5' DIVERSION DMH-2	RIM = 49.3± INV IN (18" SE)=46.00 (5' DMH-20) INV IN (18" SE)=46.00 (5' DMH-20) INV OUT (12" NW)=46.00 (STORMCEPTOR 1) INV OUT (18" N)=46.00 (DMH-20A)
5' DMH-20	RIM = 50.2± INV IN (18" NE)=46.60 (DMH-21) INV IN (12" SW)=46.20 (CB-17E) INV IN (18" NE)=46.60 (DMH-21) INV OUT (18" NW)=46.60 (5' DIVERSION DMH-2) INV OUT (18" NW)=46.60 (5' DIVERSION DMH-2)
5' DMH-22	RIM = 53.2± INV IN (24" E)=48.60 (6' DMH-23) INV OUT (24" SW)=48.50 (DMH-21)
6' DMH-10	RIM = 45.1± INV IN (20" N)=41.60 (6' DMH-11) INV IN (12" E)=41.90 (CB-10E) INV IN (20" N)=41.60 (6' DMH-11) INV OUT (21" S)=41.60 (HW-2) INV OUT (21" S)=41.60 (HW-2)
6' DMH-11	RIM = 45.4± INV IN (20" NW)=41.80 (6' DMH-12) INV IN (12" SW)=42.20 (DGCB-11W) INV IN (20" NW)=41.80 (6' DMH-12) INV OUT (20" S)=41.80 (6' DMH-10) INV OUT (20" S)=41.80 (6' DMH-10)
6' DMH-12	RIM = 45.7± INV IN (20" NW)=42.30 (6' DMH-13) INV IN (12" NE)=42.50 (RL-B4) INV IN (12" SW)=42.50 (DGCB-12W) INV IN (20" NW)=42.30 (6' DMH-13) INV OUT (20" SE)=42.30 (6' DMH-11) INV OUT (20" SE)=42.30 (6' DMH-11)
6' DMH-13	RIM = 46.4± INV IN (18" NW)=42.93 (6' DMH-14) INV IN (12" SW)=42.90 (CB-13S) INV IN (18" NW)=42.93 (6' DMH-14) INV OUT (20" SE)=42.70 (6' DMH-12) INV OUT (20" SE)=42.70 (6' DMH-12)
6' DMH-14	RIM = 46.7± INV IN (18" NW)=43.10 (DMH-15) INV IN (12" W)=43.10 (CB-14W) INV IN (15" NE)=43.35 (DMH-19) INV OUT (18" SE)=43.10 (6' DMH-13) INV OUT (18" SE)=43.10 (6' DMH-13)
6' DMH-23	RIM = 53.8± INV IN (12" NW)=49.65 (CB-23N) INV IN (18" NE)=49.90 (DMH-24) INV IN (12" S)=49.90 (DMH-RL-B7) INV OUT (24" W)=49.40 (5' DMH-22)
CB-3W	RIM = 47.8± INV OUT (12" NE)=43.70 (DMH-3)
CB-4	RIM = 43.7± INV OUT (12" W)=41.73 (STORMCEPTOR 2)
CB-10E	RIM = 45.2± INV OUT (12" W)=42.00 (6' DMH-10)
CB-13S	RIM = 46.1± INV OUT (12" NE)=43.10 (6' DMH-13)
CB-14W	RIM = 46.7± INV OUT (12" E)=43.30 (6' DMH-14)
CB-15E	RIM = 49.1± INV OUT (12" SW)=44.10 (DMH-15)
CB-15W	RIM = 48.2± INV OUT (12" NE)=44.00 (DMH-15)
CB-16E	RIM = 52.2± INV OUT (12" SW)=45.30 (DMH-16)
CB-16S	RIM = 49.3± INV OUT (12" NE)=45.20 (DMH-16)
CB-17E	RIM = 48.5± INV OUT (12" NE)=46.30 (5' DMH-20)
CB-17S	RIM = 50.3± INV OUT (12" NE)=46.20 (DMH-17)

Structure Table	
Structure Name	Structure Details
CB-17W	RIM = 50.8± INV OUT (12" E)=46.60 (DMH-17)
CB-19N	RIM = 47.7± INV OUT (12" SW)=44.00 (DMH-19)
CB-23N	RIM = 53.7± INV OUT (12" SE)=49.80 (6' DMH-23)
CB-24N	RIM = 55.1± INV OUT (12" SE)=51.00 (DMH-24)
CB-24S	RIM = 55.5± INV OUT (12" NW)=51.30 (DMH-24)
CB-25E	RIM = 55.8± INV OUT (12" SW)=51.70 (DMH-25)
CB-25W	RIM = 55.6± INV OUT (12" SE)=51.50 (DMH-25)
CB-26E	RIM = 55.7± INV OUT (12" SW)=51.70 (DMH-26)
CB-27E	RIM = 57.0± INV OUT (12" SW)=52.90 (DMH-27)
CB-28E	RIM = 59.3± INV OUT (12" NW)=55.20 (DMH-28)
DGCB-1S	RIM = 47.2± INV OUT (12" NW)=42.00 (DMH-1)
DGCB-2W	RIM = 48.0± INV OUT (12" E)=42.70 (DMH-2)
DGCB-11W	RIM = 45.2± INV OUT (12" NE)=42.35 (6' DMH-11)
DGCB-12W	RIM = 45.6± INV OUT (12" NE)=42.60 (6' DMH-12)
DGCB-19W	RIM = 49.2± INV OUT (12" SE)=43.90 (DMH-19)
DMH-1	RIM = 45.5± INV IN (15" NE)=41.90 (DMH-2) INV IN (12" SE)=41.90 (DGCB-1S) INV OUT (15" SW)=41.90 (HW-2A)
DMH-2	RIM = 46.8± INV IN (12" NW)=42.70 (DMH-3) INV IN (12" W)=42.50 (DGCB-2W) INV OUT (15" SW)=42.50 (DMH-1)
DMH-3	RIM = 48.0± INV IN (12" SW)=43.50 (CB-3W) INV OUT (15" SW)=43.40 (DMH-2)
DMH-15	RIM = 48.2± INV IN (15" NW)=44.20 (DMH-16) INV IN (12" SW)=43.80 (CB-15W) INV IN (12" NE)=43.80 (CB-15E) INV OUT (18" SE)=43.95 (6' DMH-14)
DMH-16	RIM = 49.5± INV IN (12" NW)=45.10 (DMH-17) INV IN (12" SW)=44.90 (CB-16S) INV IN (12" NE)=44.90 (CB-16E) INV OUT (15" SE)=44.90 (DMH-15)

Structure Table	
Structure Name	Structure Details
DMH-17	RIM = 50.4± INV IN (12" W)=46.00 (CB-17W) INV IN (12" SW)=46.00 (CB-17S) INV OUT (12" SE)=45.90 (DMH-16)
DMH-19	RIM = 47.0± INV IN (12" NW)=43.70 (DGCB-19W) INV IN (12" NE)=43.70 (CB-19N) INV OUT (15" SW)=43.55 (6' DMH-14)
DMH-20A	RIM = 49.2± INV IN (12" SW)=45.80 (STORMCEPTOR 1) INV IN (18" S)=45.90 (5' DIVERSION DMH-2) INV OUT (18" N)=45.85 (HW-1) INV OUT (18" N)=45.85 (HW-1)
DMH-21	RIM = 51.4± INV IN (24" NE)=47.30 (5' DMH-22) INV OUT (18" SW)=47.30 (5' DMH-20) INV OUT (18" SW)=47.30 (5' DMH-20)
DMH-24	RIM = 55.2± INV IN (18" NE)=50.90 (DMH-25) INV IN (12" SE)=51.00 (CB-24S) INV IN (12" NW)=50.90 (CB-24N) INV OUT (18" SW)=50.80 (6' DMH-23)
DMH-25	RIM = 55.6± INV IN (12" NE)=51.40 (CB-25E) INV IN (12" NW)=51.40 (CB-25W) INV IN (18" SE)=51.40 (DMH-26) INV OUT (18" SW)=51.30 (DMH-24)
DMH-26	RIM = 55.8± INV IN (12" NE)=51.60 (CB-26E) INV IN (15" SE)=51.60 (DMH-27) INV OUT (18" NW)=51.50 (DMH-25)
DMH-27	RIM = 57.1± INV IN (12" SE)=53.00 (DMH-28) INV IN (12" NE)=52.80 (CB-27E) INV OUT (15" NW)=52.70 (DMH-26)
DMH-28	RIM = 59.0± INV IN (12" SE)=55.00 (CB-28E) INV OUT (12" NW)=54.90 (DMH-27)
DMH-RL-B5	RIM = 47.1± INV IN (15" NW)=41.70 (DMH-RL-B5B) INV IN (12" SE)=41.70 (RL-B5A) INV OUT (15" SW)=41.70 (HW-B5)
DMH-RL-B5B	RIM = 47.8± INV IN (8" NW)=42.40 (LCB-B5C) INV OUT (15" SE)=42.40 (DMH-RL-B5)
DMH-RL-B6	RIM = 48.1± INV IN (15" NW)=42.70 (DMH-RL-B6A) INV OUT (15" SE)=42.70 (LCB-B5C)
DMH-RL-B6A	RIM = 48.7± INV IN (12" NW)=43.30 (LCB-B2) INV OUT (15" SE)=43.30 (DMH-RL-B6)
DMH-RL-B7	RIM = 53.0± INV IN (12" SE)=50.20 (RL-B7A) INV OUT (12" N)=50.20 (6' DMH-23)
EX DMH-1	RIM = 41.8± INV IN (12" S)=36.50 (OVERFLOW) INV IN (12" NE)=36.50 (OVERFLOW-3)
HW-1	RIM = 47.9± INV IN (18" S)=45.70 (DMH-20A) INV IN (8" SW)=46.00 (RL-B1) INV IN (18" S)=45.70 (DMH-20A)
HW-2	RIM = 44.2± INV IN (21" N)=41.50 (6' DMH-10) INV IN (21" N)=41.50 (6' DMH-10)
HW-2A	RIM = 43.8± INV IN (15" NE)=41.75 (DMH-1)
HW-3	RIM = 43.3± INV IN (12" SE)=41.50 (STORMCEPTOR 2)
HW-B3	RIM = 52.2± INV IN (8" SE)=51.00 (RL-B3)

Structure Table	
Structure Name	Structure Details
HW-B5	RIM = 42.7± INV IN (15" NE)=41.50 (DMH-RL-B5)
HW-CC	RIM = -0.1± INV IN (8" SW)=41.70 (RL-CC)
LCB-1A	RIM = 49.0± INV OUT (8" NW)=46.00 (LCB-1B)
LCB-1B	RIM = 49.0± INV IN (8" NW)=46.00 (LCB-1A)
LCB-2A	RIM = 46.0± INV IN (8" NW)=43.00 (LCB-2B)
LCB-2B	RIM = 46.0± INV OUT (8" SE)=43.00 (LCB-2A)
LCB-3A	RIM = 53.5± INV IN (8" NE)=50.50 (LCB-3B)
LCB-3B	RIM = 53.5± INV OUT (8" SW)=50.50 (LCB-3A)
LCB-B2	RIM = 45.9± INV OUT (12" NW)=44.00 (RL-B6B) INV OUT (12" SE)=43.80 (DMH-RL-B6A)
LCB-B5C	RIM = 44.6± INV IN (15" NW)=42.50 (DMH-RL-B6) INV OUT (8" SE)=42.50 (DMH-RL-B5B)
OVERFLOW	RIM = 41.0± INV OUT (12" N)=36.90 (EX DMH-1)
OVERFLOW-3	RIM = 43.0± INV OUT (12" SW)=38.00 (EX DMH-1)

Structure Table	
Structure Name	Structure Details
LCB-1A	RIM = 49.0± INV OUT (8" SE)=46.00 (LCB-1B)
LCB-1B	RIM = 49.0± INV IN (8" NW)=46.00 (LCB-1A)
LCB-2A	RIM = 53.5± INV IN (8" NE)=50.50 (LCB-3B)
LCB-3A	RIM = 45.9± INV OUT (12" NW)=44.00 (RL-B6B) INV OUT (12" SE)=43.80 (DMH-RL-B6A)
LCB-B2	RIM = 44.6± INV IN (15" NW)=42.50 (DMH-RL-B6) INV OUT (8" SE)=42.50 (DMH-RL-B5B)
OVERFLOW	RIM = 41.0± INV OUT (12" N)=36.90 (EX DMH-1)
OVERFLOW-3	RIM = 43.0± INV OUT (12" SW)=38.00 (EX DMH-1)



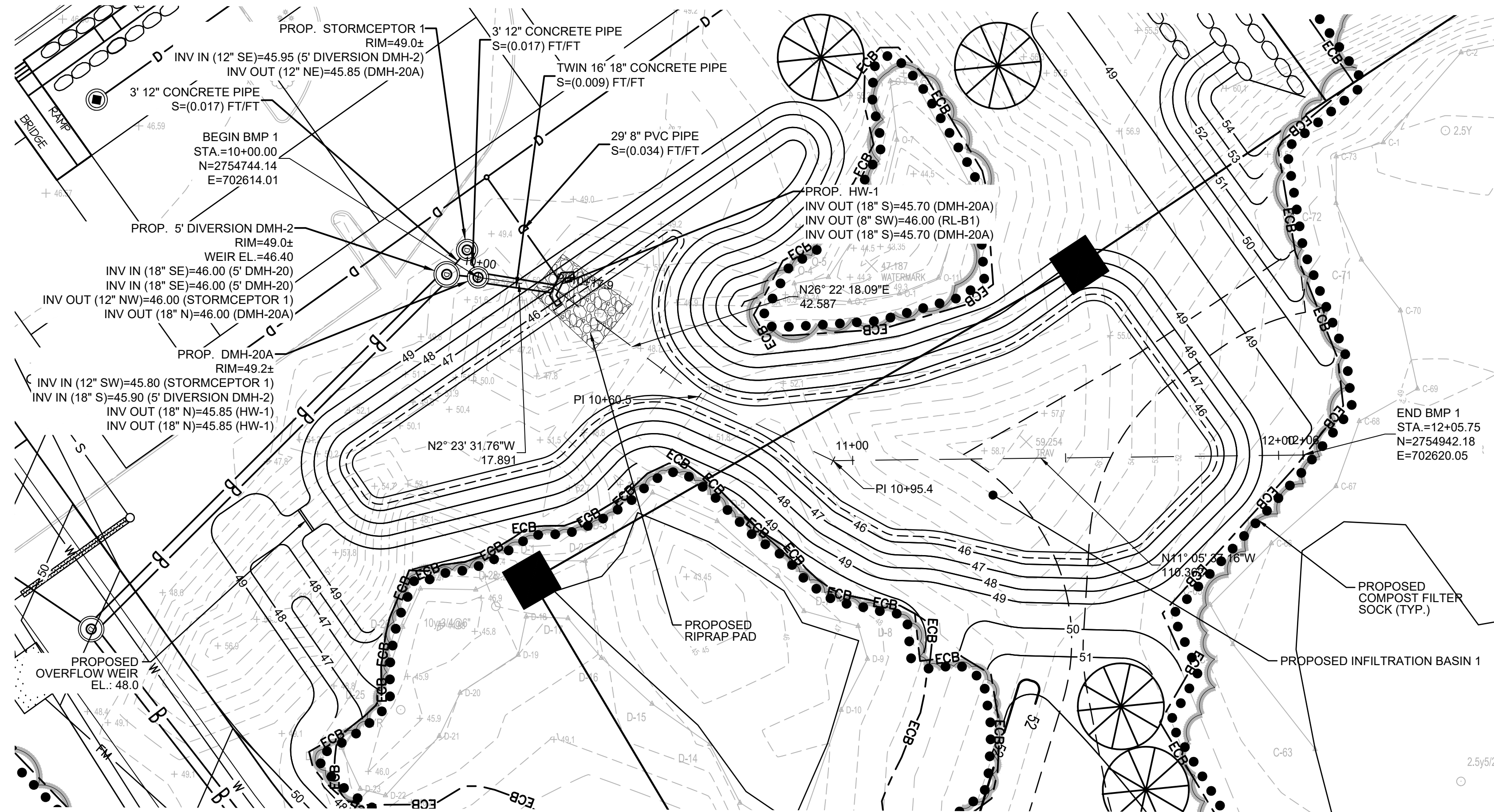
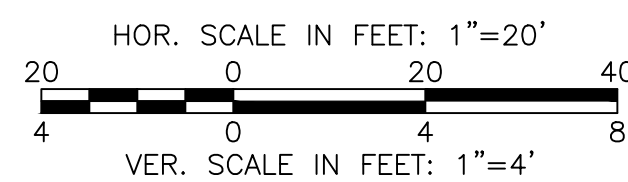
SCALE: 1"=20'
SCALE IN FEET

LEGEND:

	TREELINE
	PROPERTY LINE
	EXISTING CONTOUR
	PROPOSED CONTOUR
	UNDERGROUND ELECTRICAL/TELEPHONE/CATV
	FIRE SUPPLY
	DOMESTIC WATER
	DRAIN
	SANITARY SEWER FORCE MAIN
	SANITARY SEWER
	GAS
	OVERHEAD WIRES
	PEDESTRIAN ROUTES
	EROSION CONTROL BARRIER AND LIMIT OF WORK

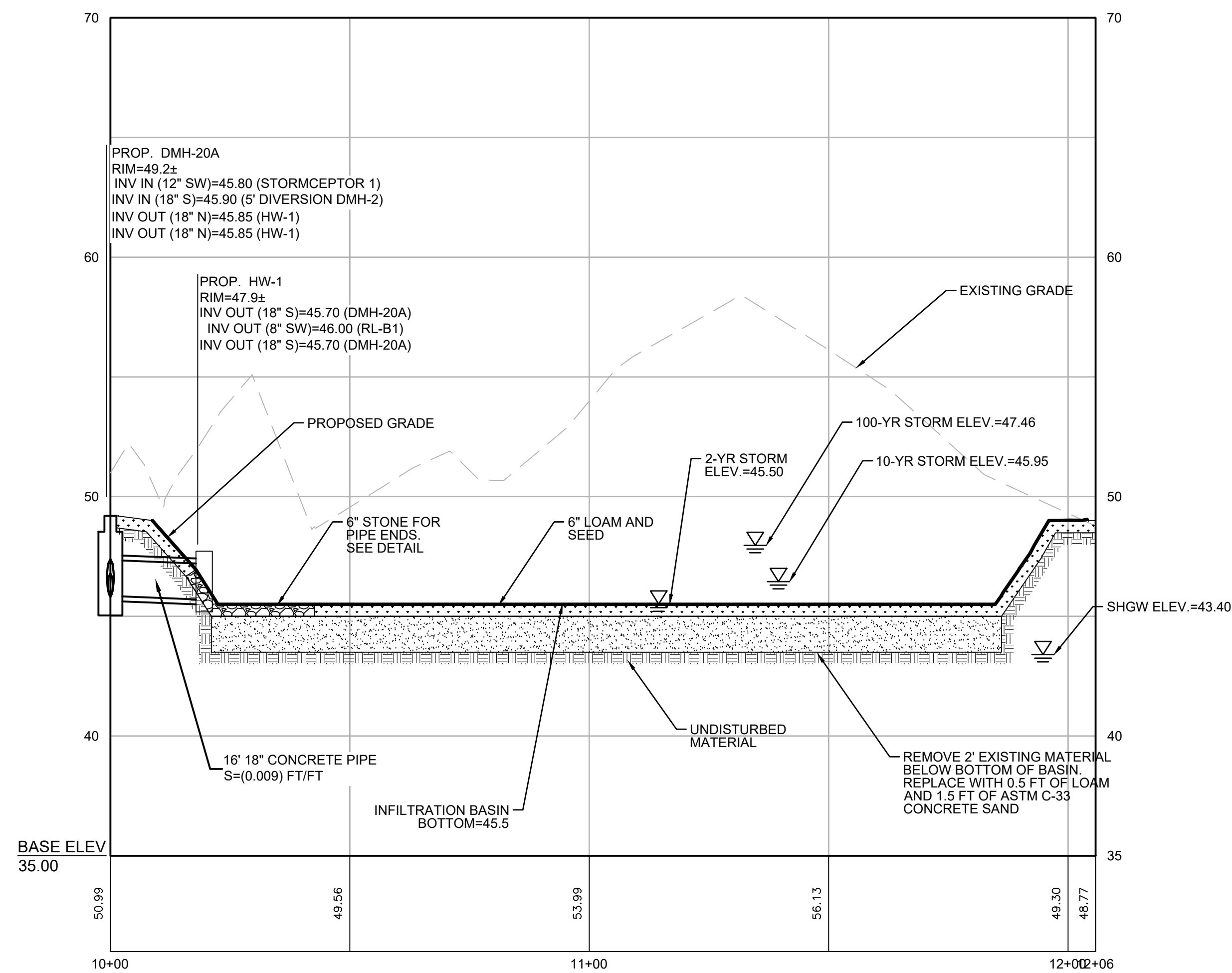
NOTES:

- UNDERGROUND UTILITIES DEPICTED HEREON ARE TO BE CONSIDERED APPROXIMATE. ALL UNDERGROUND UTILITIES ARE NOT SHOWN ON THIS MAP.
- CONTRACTOR SHALL AVOID OVER COMPACTION OF SOILS WITH CONSTRUCTION VEHICLES WITHIN INFILTRATION AREAS.



PLAN: INFILTRATION BASIN 1

BMP 1
STA 10+00 TO STA 12+05.75



PROFILE: INFILTRATION BASIN 1

DATE:

SCALE:

DRAWN BY:

PROJECT #

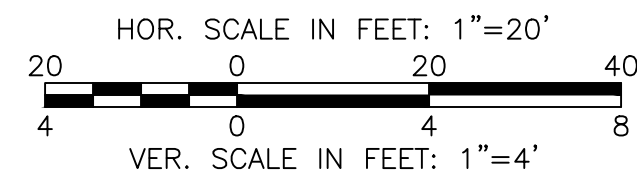
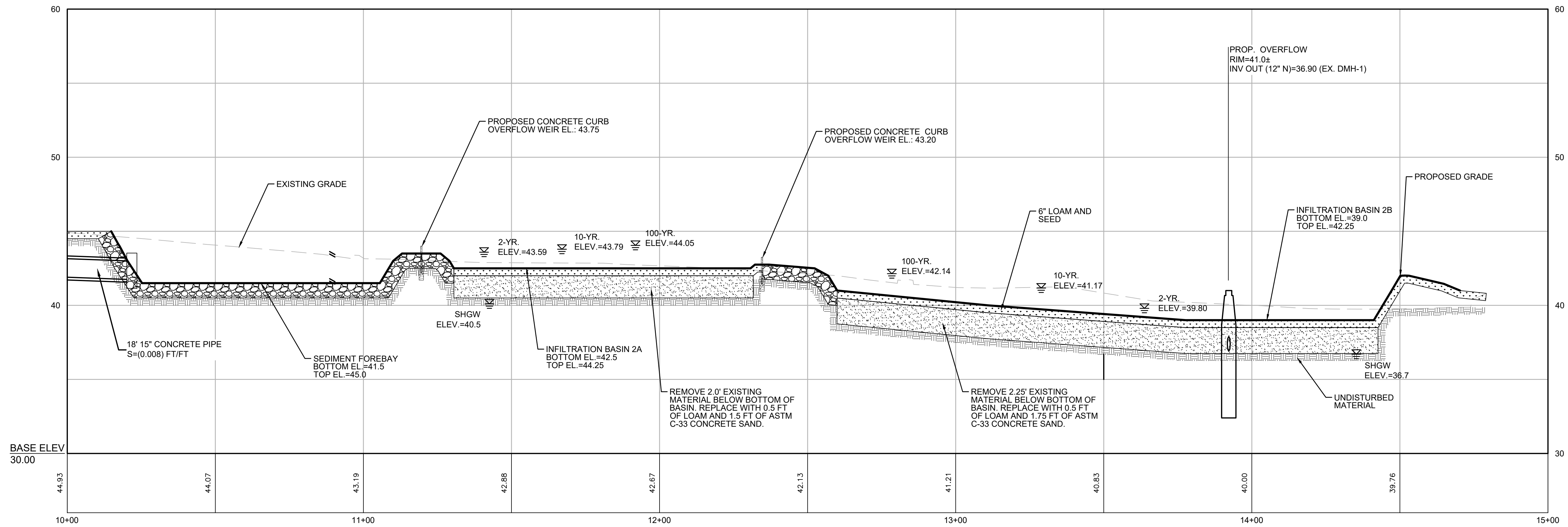
GREENBRIER II
RI SEEKONK HOLDINGS LLC
AJA ARCHITECTS
16 MASON AVE SUITE 5 NORTH ATTLEBORO, MA 02760
(781) 935-2500

GREENBRIER II
RI SEEKONK HOLDINGS LLC
AJA ARCHITECTS
16 MASON AVE SUITE 5 NORTH ATTLEBORO, MA 02760
(781) 935-2500

C-901

BMP PLAN NO. 1

BMP 2
STA 10+00 TO STA 15+00.00



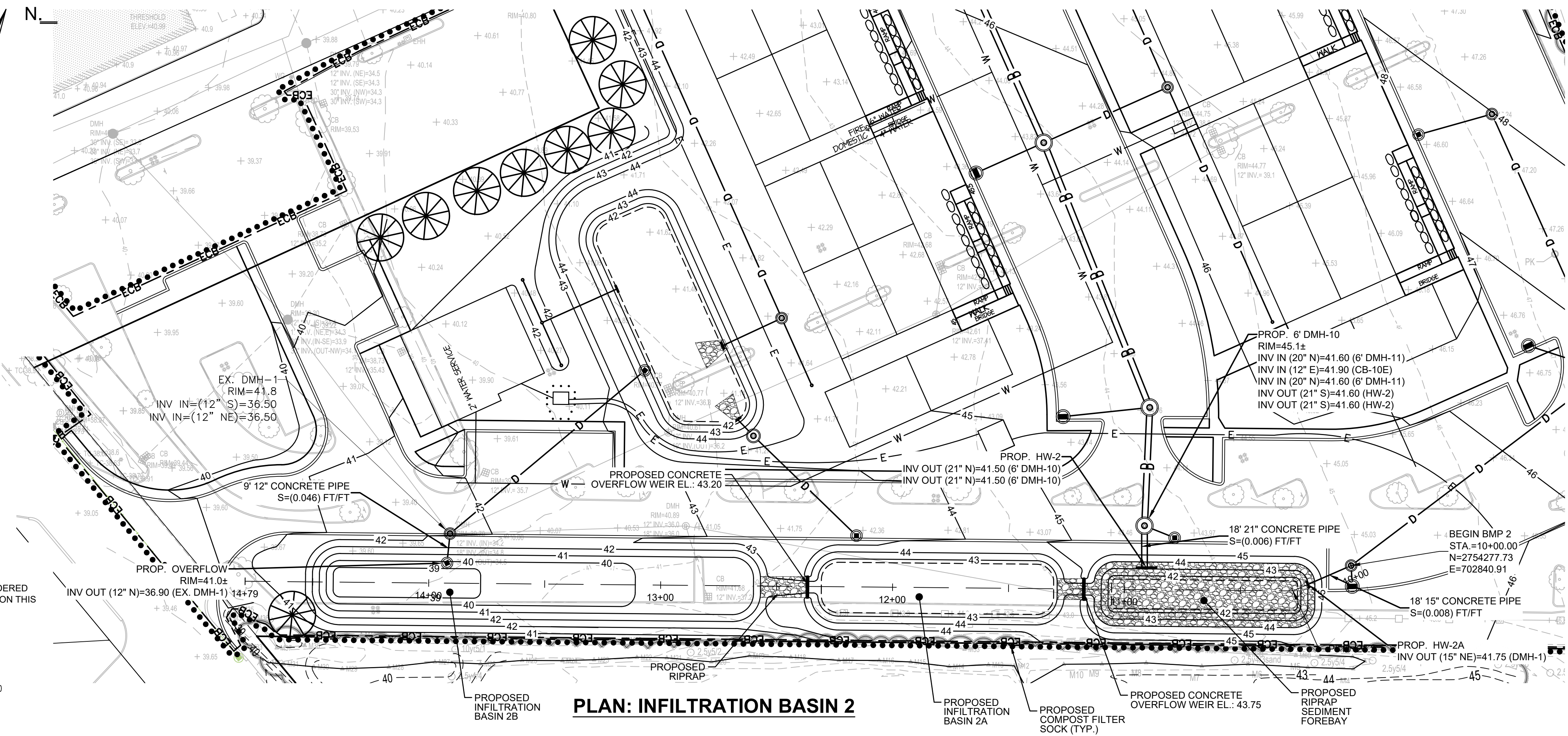
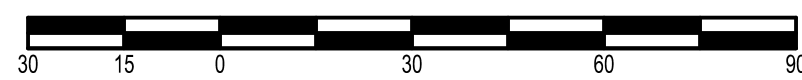
PROFILE: INFILTRATION BASIN 2

LEGEND:

- TREELINE
- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- UNDERGROUND ELECTRI/TELEPHONE/CATV
- FIRE SUPPLY
- DOMESTIC WATER
- DRAIN
- SANITARY SEWER FORCE MAIN
- SANITARY SEWER
- GAS
- OVERHEAD WIRES
- PEDESTRIAN ROUTES
- EROSION CONTROL BARRIER AND LIMIT OF WORK

NOTES:

- UNDERGROUND UTILITIES DEPICTED HEREON ARE TO BE CONSIDERED APPROXIMATE. ALL UNDERGROUND UTILITIES ARE NOT SHOWN ON THIS MAP.
- CONTRACTOR SHALL AVOID OVER COMPACTION OF SOILS WITH CONSTRUCTION VEHICLES WITHIN INFILTRATION AREAS.



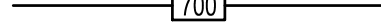
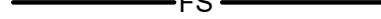
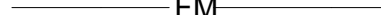
PLAN: INFILTRATION BASIN 2

BMP PLAN NO. 2

HOR. SCALE IN FEET: 1"=20'

VER. SCALE IN FEET: 1"=4'

LEGEND:

	TREELINE
	PROPERTY LINE
	EXISTING CONTOUR
	PROPOSED CONTOUR
	UNDERGROUND ELECTRIC/TELEPHONE/CAT
	FIRE SUPPLY
	DOMESTIC WATER
	DRAIN
	SANITARY SEWER FORCE MAIN
	SANITARY SEWER
	GAS
	OVERHEAD WIRES
	PEDESTRIAN ROUTES
	EROSION CONTROL BARRIER AND LIMIT OF WORK

1. UNDERGROUND UTILITIES DEPICTED HEREON ARE TO BE CONSIDERED APPROXIMATE. ALL UNDERGROUND UTILITIES ARE NOT SHOWN ON THIS MAP.
2. CONTRACTOR SHALL AVOID OVER COMPACTION OF SOILS WITH CONSTRUCTION VEHICLES WITHIN INFILTRATION AREAS.



SCALE: 1"=20'
SCALE IN FEET

