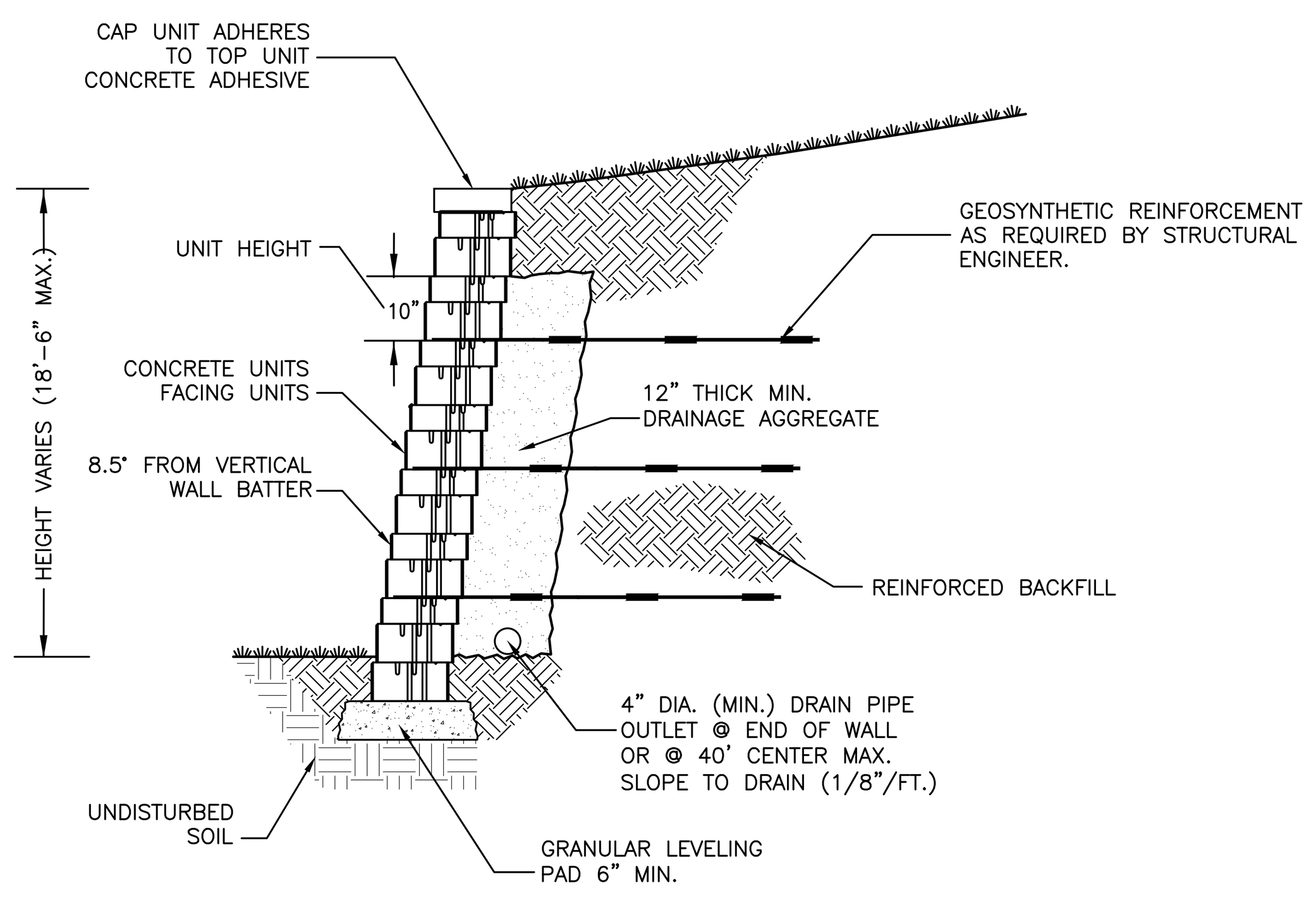


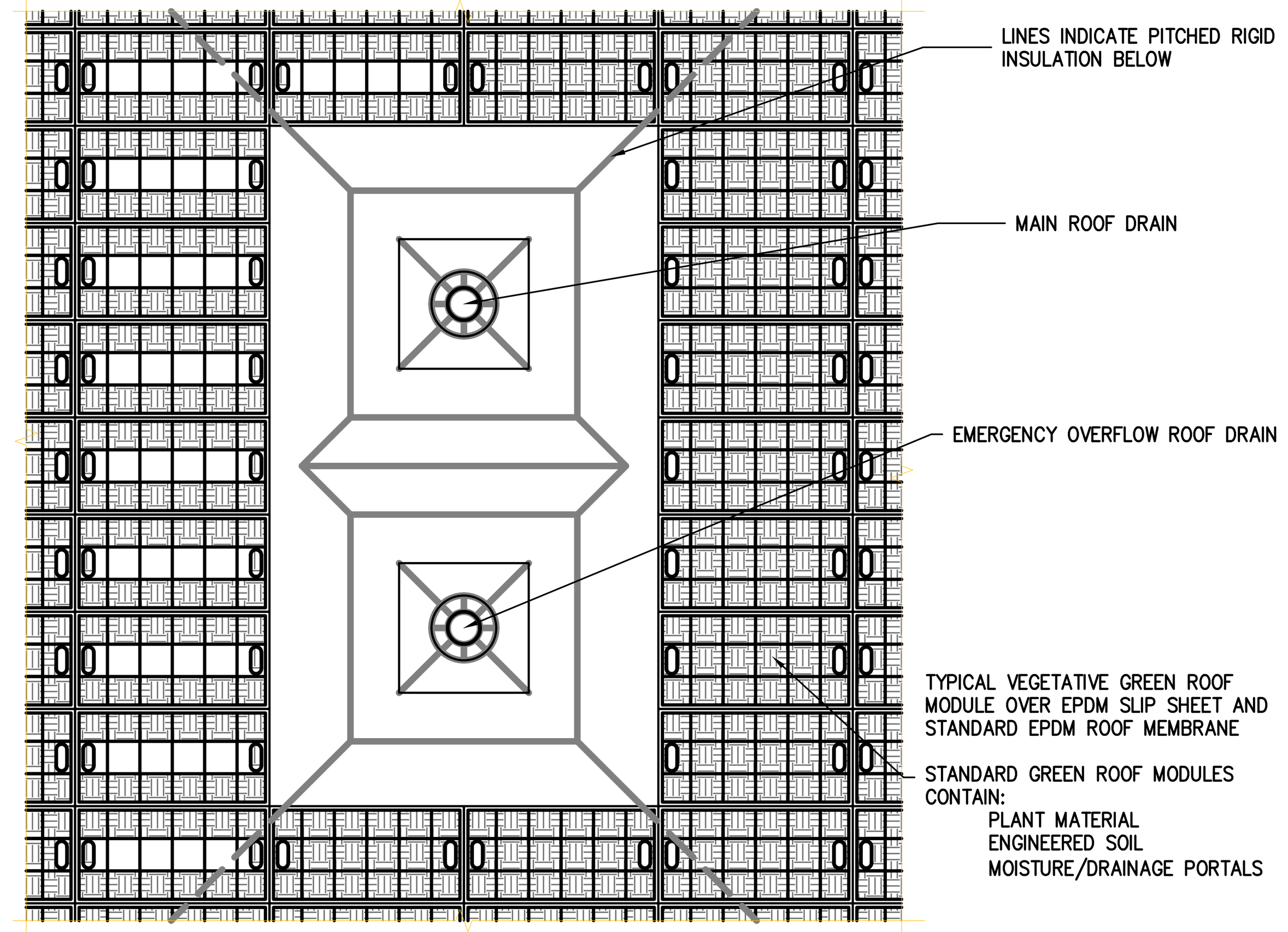
TYPICAL SECTION

NOTES:

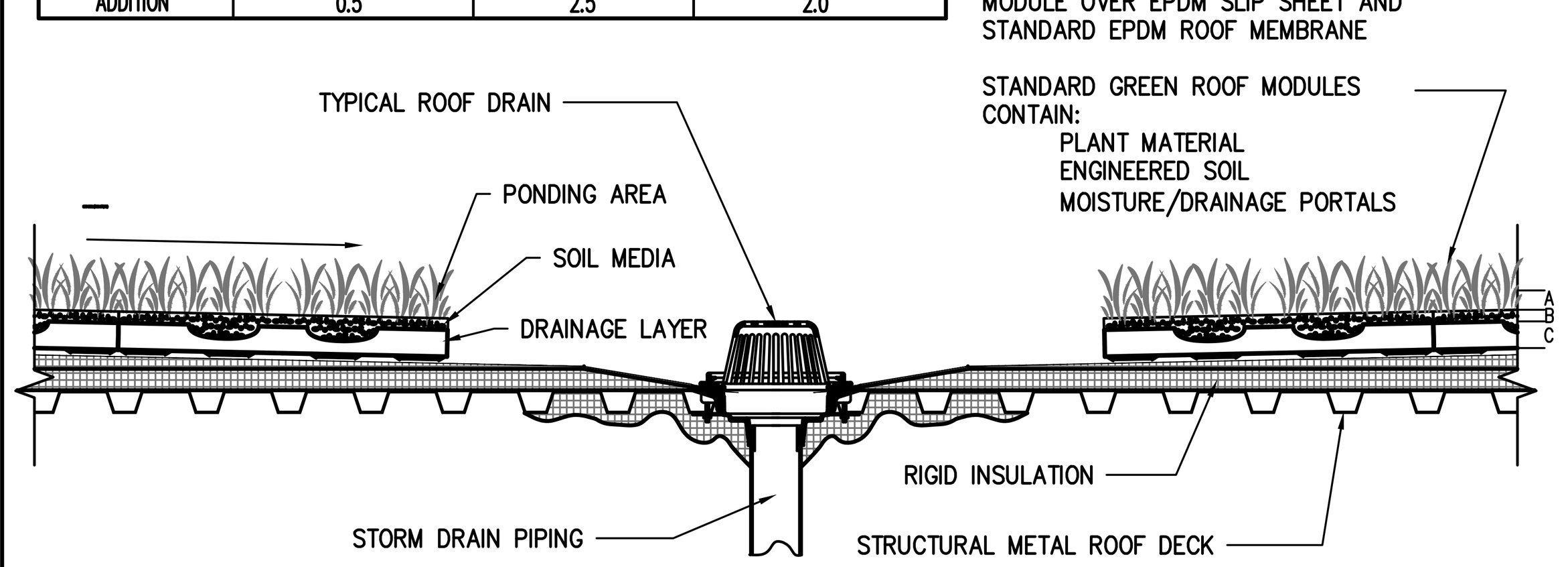
1. DESIGN FOR THE RETAINING WALL SHOWN HEREON SHALL BE PREPARED BY A NYS LICENSED PROFESSIONAL ENGINEER AND SUBMITTED TO THE TOWN BUILDING INSPECTOR FOR RECORD PRIOR TO CONSTRUCTION. SUCH DESIGN DRAWINGS (OR SHOP DRAWINGS) SHALL BEAR THE STAMP AND SIGNATURE OF SUCH ENGINEER, AND SHALL BE SPECIFIC FOR THE SITE AND SPECIFIC TO THE RETAINING WALL SYSTEM TO BE UTILIZED AND SHALL CONSIDER ALL APPROPRIATE AND NECESSARY POSSIBLE LOADINGS AND CONDITIONS RELATED TO THIS PROJECT.
2. THE AFOREMENTIONED DESIGN AND DETAILS SHALL CONSIDER/IDENTIFY/INCLUDE, BUT SHALL NOT BE LIMITED TO: SIGNED AND SEALED DESIGN CALCULATIONS; COMPLETE AND SPECIFIC CONSTRUCTION PLANS AND DETAILS FOR EACH WALL; APPROPRIATE SIZING FOR DRAINAGE SYSTEM TO HANDLE INTENSE STORM CONDITIONS; MAINTENANCE ABILITY TO CLEAN STORMWATER PIPING SYSTEMS; APPROPRIATE BACKFILL MATERIAL SUFFICIENT POROSITY TO ALLOW FREE DRAINAGE OF WATER; EVALUATE POTENTIAL FAILURE BY INTERNAL/EXTERNAL FAILURE MECHANISMS, GLOBAL FAILURE OR OTHER POTENTIAL FAILURES; AND SEISMIC DESIGN CONSIDERATIONS.
3. IF THE WALL OR WALLS ARE TIERED WALLS, THE DESIGN SHALL INCLUDE AN ANALYSIS OF THE MINIMUM SPACING OF WALLS TO ALLOW THE INDIVIDUAL WALLS TO ACT AS INDIVIDUAL WALLS BASED ON THE SPECIFIC SITE AND CONSTRUCTION CONDITIONS. IF THE WALLS ARE TO BE PLACED CLOSER THAN THE SAME, THE SPECIFIC DESIGN SHALL CONSIDER THE LOADS SUPERIMPOSED BY ONE WALL TO THE OTHER.
4. DURING CONSTRUCTION, THE WORK MUST BE INSPECTED BY A NYS LICENSED PROFESSIONAL ENGINEER WHO SHALL PROVIDE WRITTEN VERIFICATION TO THE TOWN BUILDING INSPECTOR, PRIOR TO THE REQUEST FOR A CERTIFICATE OF OCCUPANCY, THAT HE/SHE HAS PERSONALLY INSPECTED THE WORK AND THE INSTALLATION IS IN COMPLIANCE WITH THE DESIGN DRAWINGS AND MANUFACTURER'S INSTALLATION RECOMMENDATIONS.

TYPICAL SEGMENTAL RETAINING WALL 53

(RETAINING WALLS TO BE DESIGNED BY OTHERS)



GREEN ROOF	PONDING AREA DEPTH (A)	SOIL MEDIA DEPTH (B)	DRAINAGE LAYER DEPTH (C)
ADDITION	0.5"	2.5"	2.0"

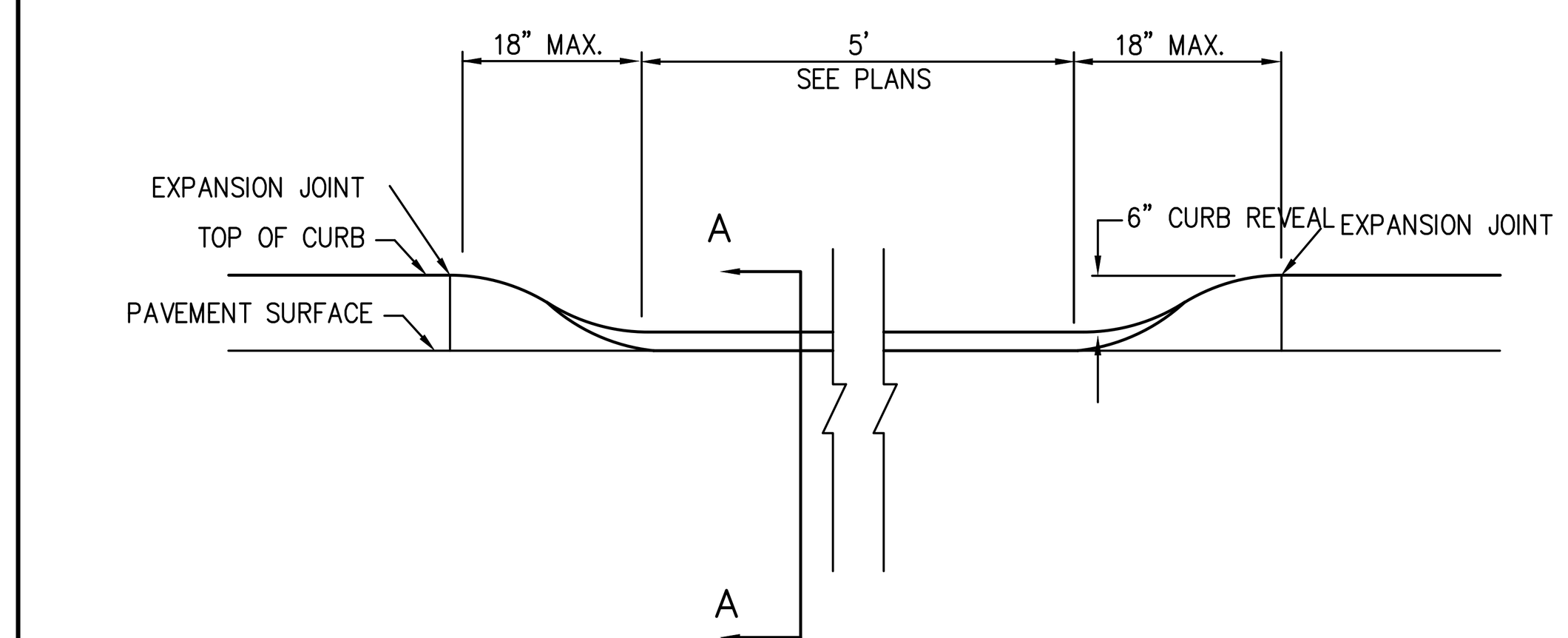


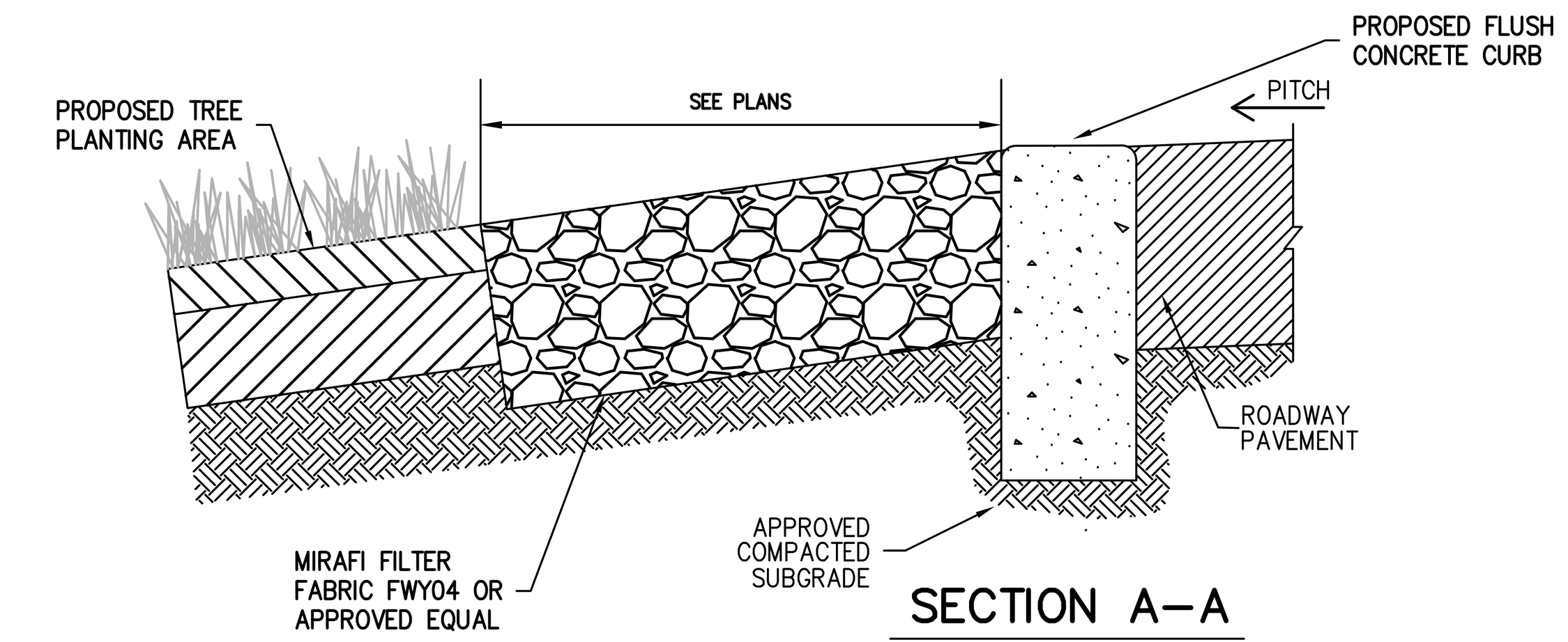
NOTES:

THE GREEN ROOF PLANTINGS SHALL BE A HARDY SUCCULENT SEDUM MIX FREE OF ANY INVASIVE SPECIES.

THIS DETAIL IS FOR REFERNCE ONLY. REFER TO ARCHITECTURAL & MEP DRAWINGS FOR LOCATION AND INSTALLATION PER MANUFACTURER SPECIFICATIONS.

TYPICAL ROOF DRAIN/GREEN ROOF DETAILS 54

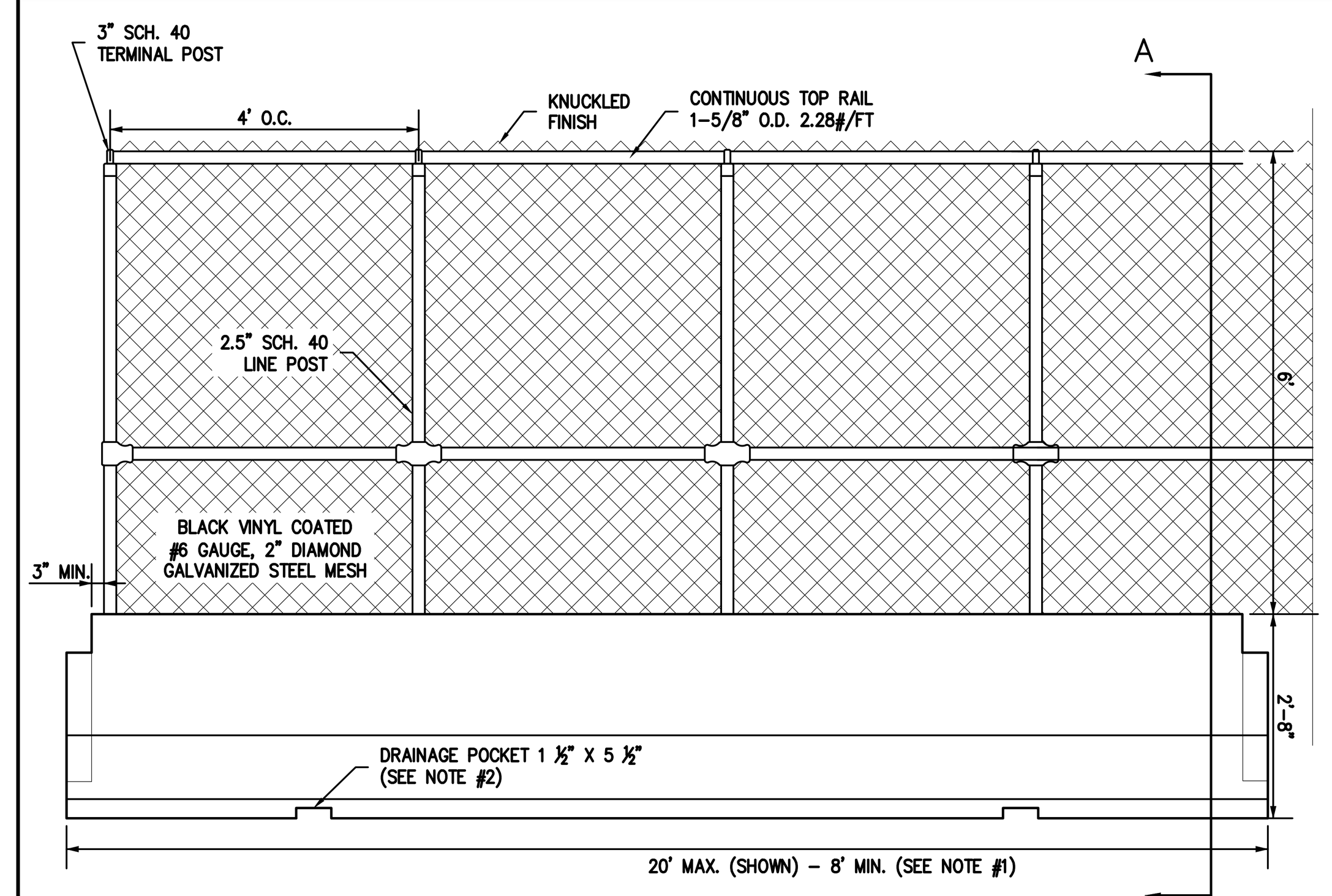


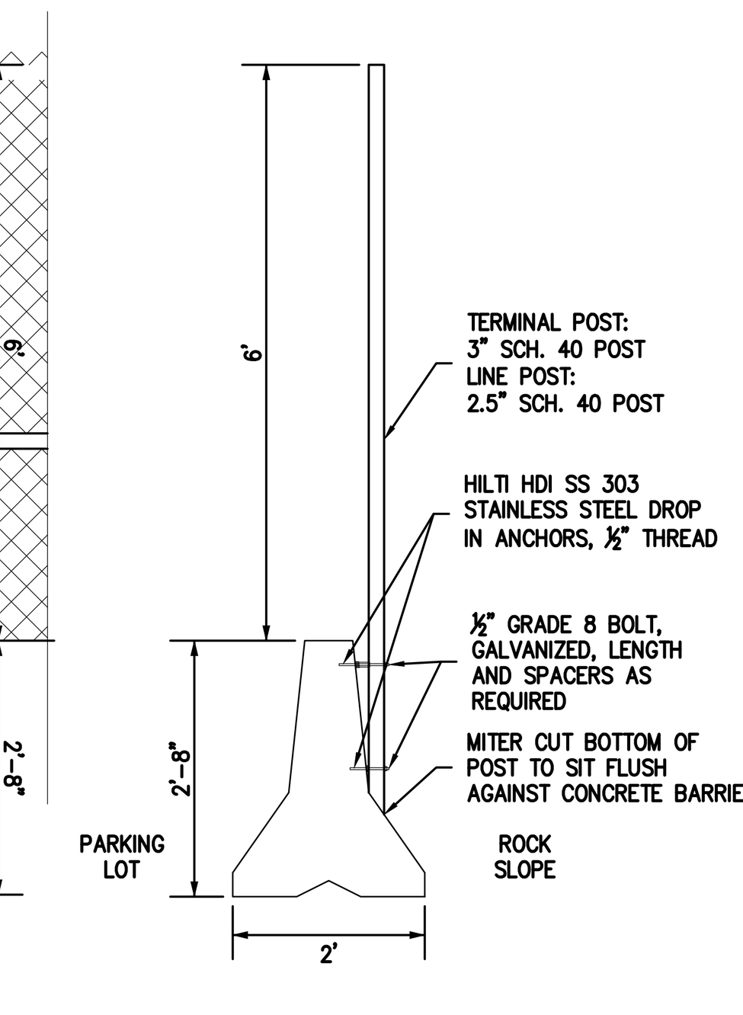


SECTION A–A

METHOD OF DEPRESSING CURB AT DRIVEWAYS

FLUSH CONCRETE CURB OPENING ALONG DRIVEWAY 55





NOTES:

1. CONCRETE BARRIERS SHALL BE PRECAST UNITS OF ONE OF THE FOLLOWING NOMINAL LENGTHS 8', 10', 12', 14', 16', 18', 20'.
2. ONE DRAINAGE POCKET SHALL BE INCLUDED IN THE CENTER OF 8' AND 10' SEGMENTS, TWO DRAINAGE POCKETS IN ALL OTHER SEGMENTS.

ELEVATION

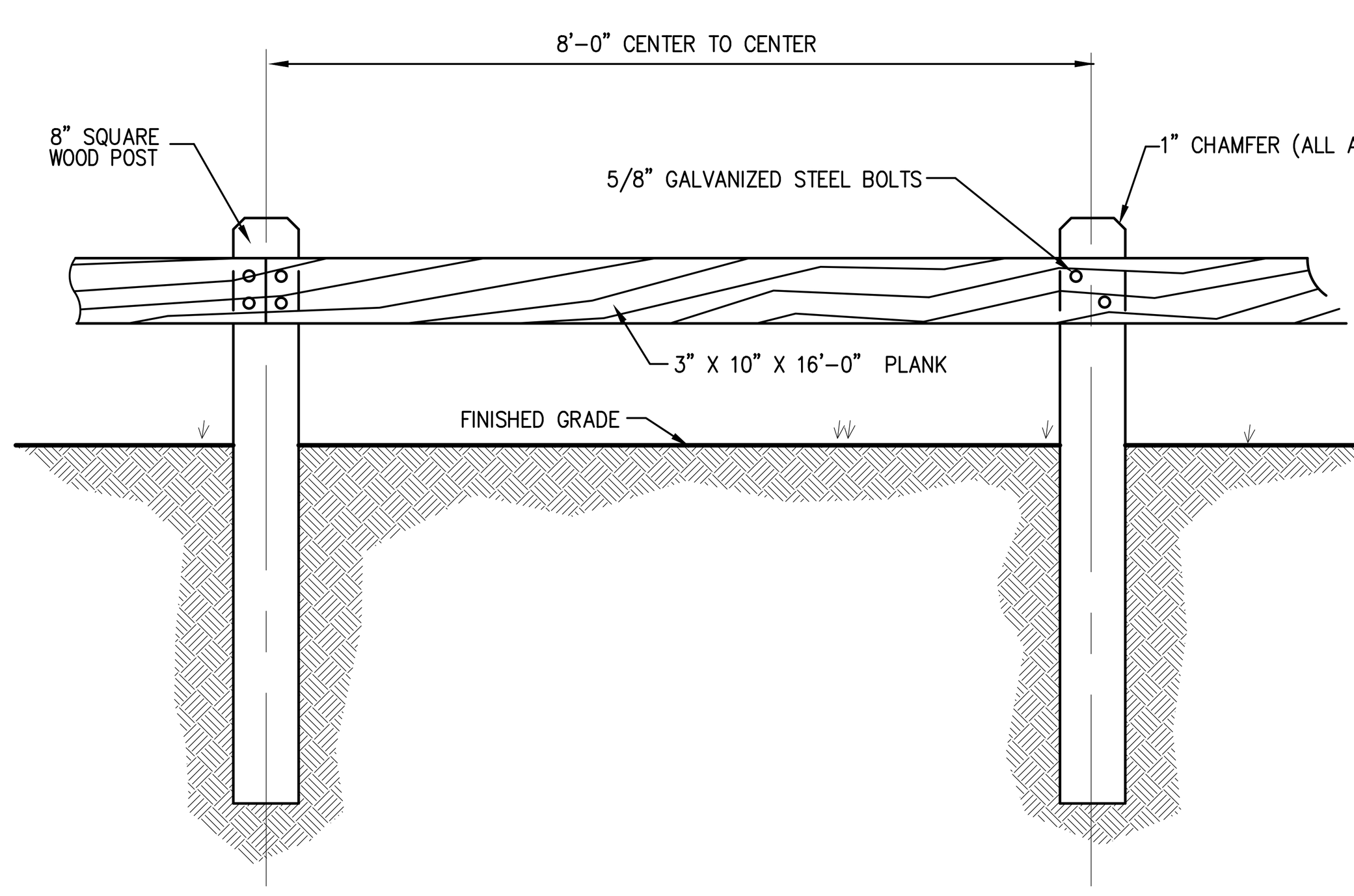
SECTION A–A

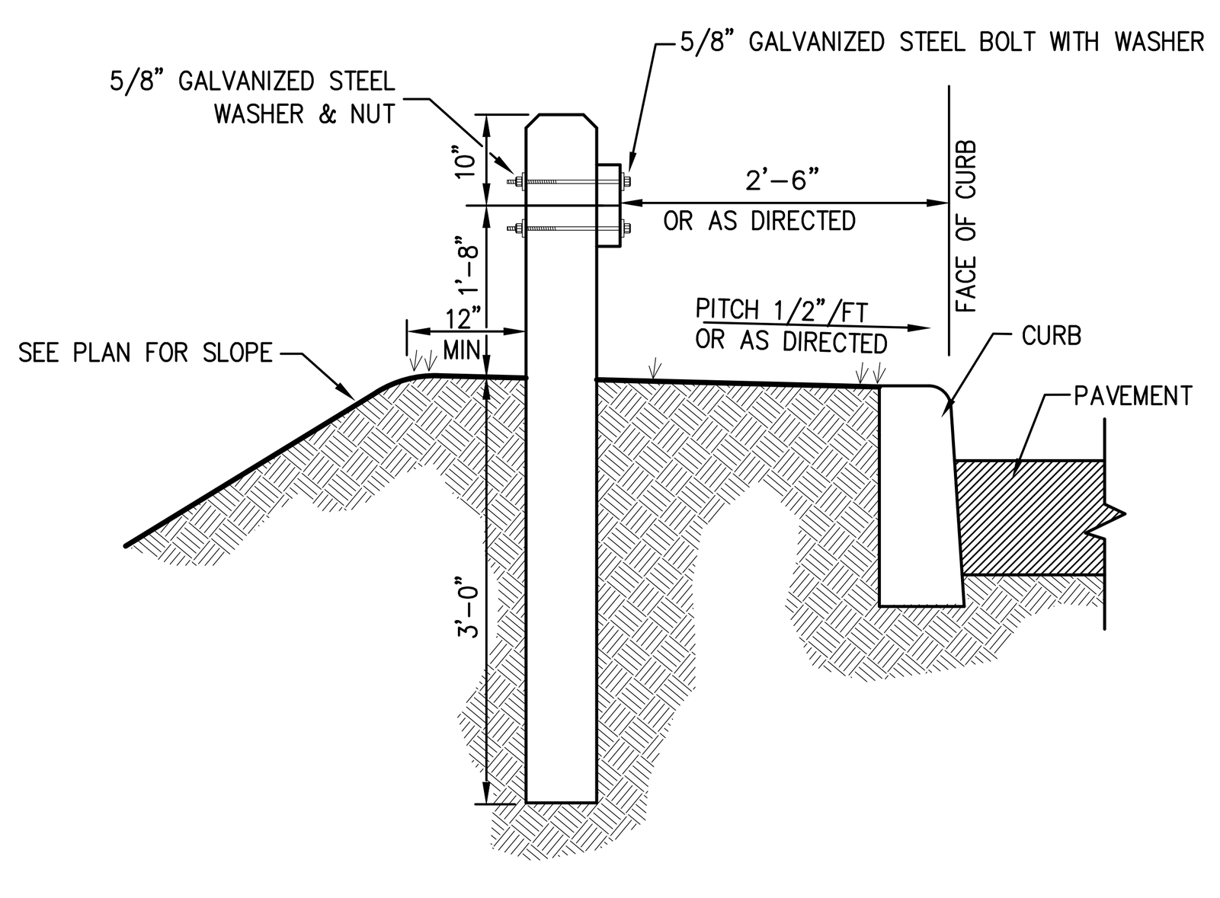
APPROVED by Planning Board Resolution No. 10–17, dated 03/17/2020.

Owner	*Date*
CELEBRITY MOTOR CAR, LLC 130 ROUTE 10 WHIPPANY, NEW JERSEY 07981	
Planning Board Chair	*Date*
JANET ANDERSEN 79 BOUTON ROAD SOUTH SALEM, NY 10590	
Planning Administrator	*Date*
CIORSDAN CONRAN 79 BOUTON ROAD SOUTH SALEM, NY 10590	
Town Engineer's Certification	*Date*
JOSEPH CERMELE, P.E. KELLARD SESSIONS CONSULTING TOWN CONSULTING ENGINEER	

Reviewed for compliance with the Planning Board Resolution No. 10–17 dated 03/17/2020.

HEAVY DUTY CHAIN LINK FENCE ON CONCRETE BARRIER ALONG ROCK SLOPE 56

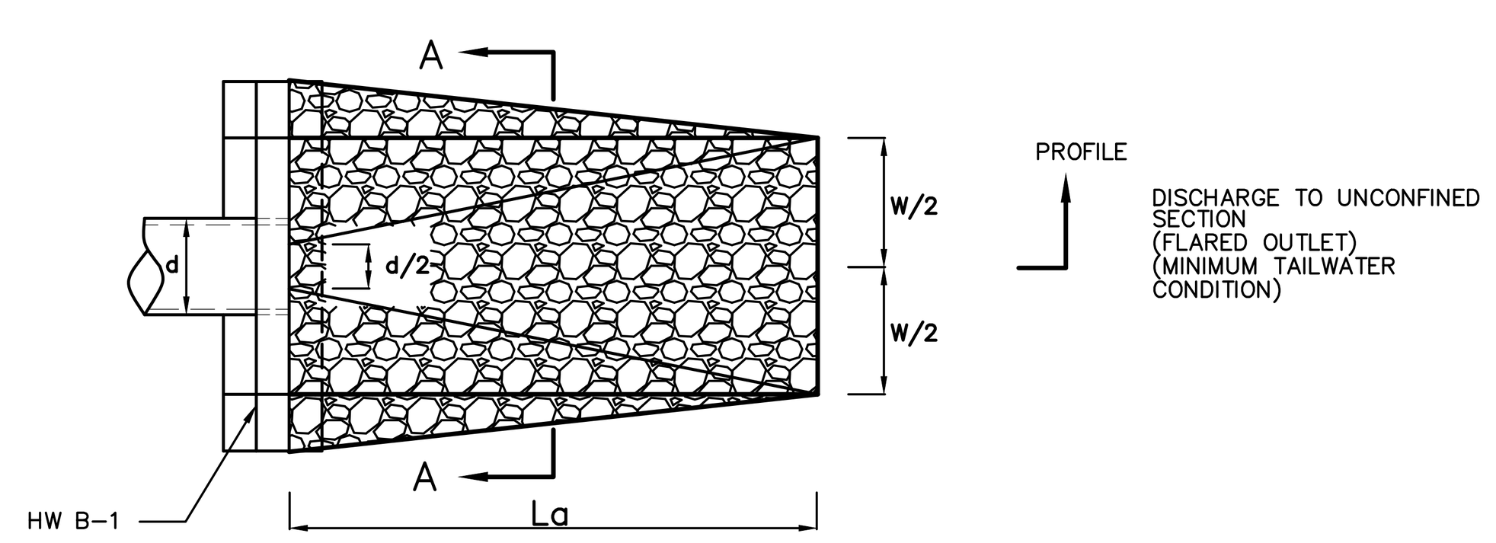




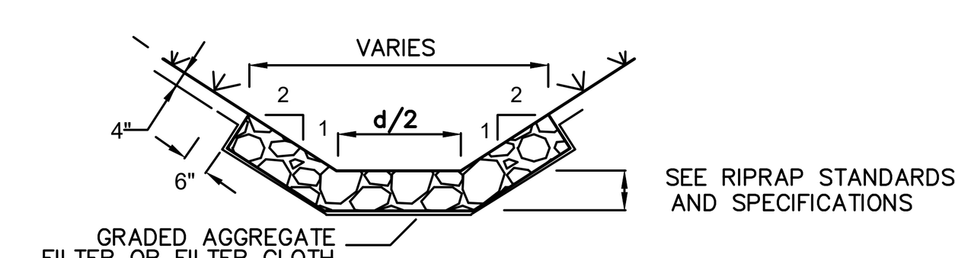
NOTES

1. ALL WOOD TO BE SEASONED NO.1 DOUGLAS FIR, SOUTHERN PINE OR OTHER APPROVED STRUCTURAL LUMBER.
2. GALVANIZED BOLT AND NUT TO BE 4000# MIN., 5400# MAX. TENSILE STRENGTH. AFTER GALVANIZING BOLT AND NUT, THE NUT SHALL BE FREE RUNNING ON THE BOLT.

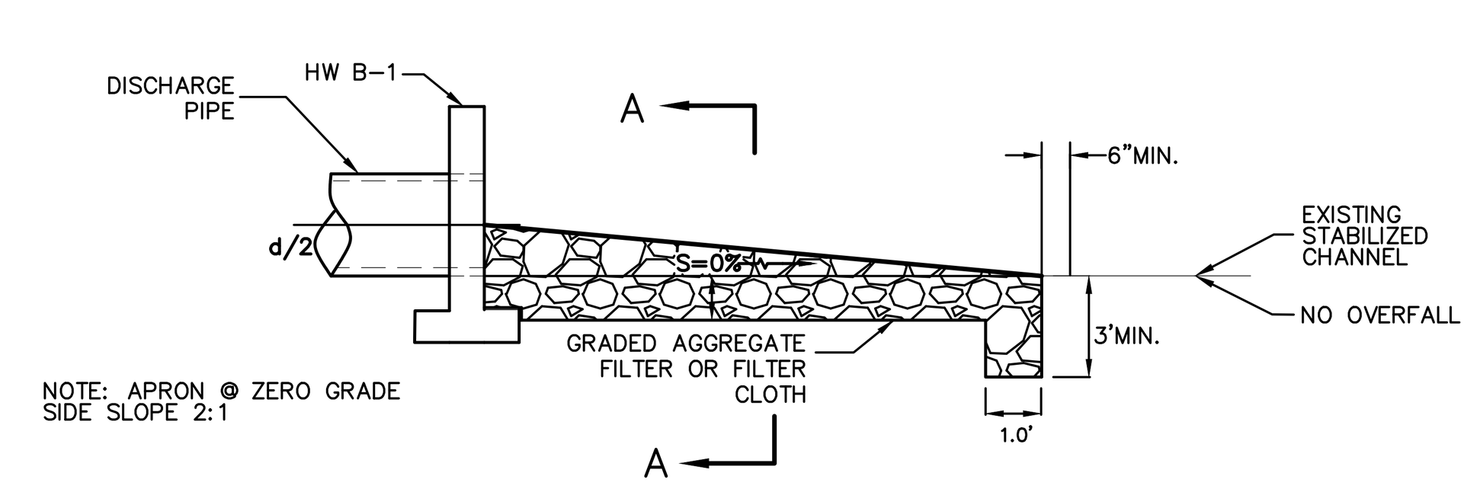
WOOD GUIDE RAIL 57



PLANVIEW



CROSS SECTION A-A



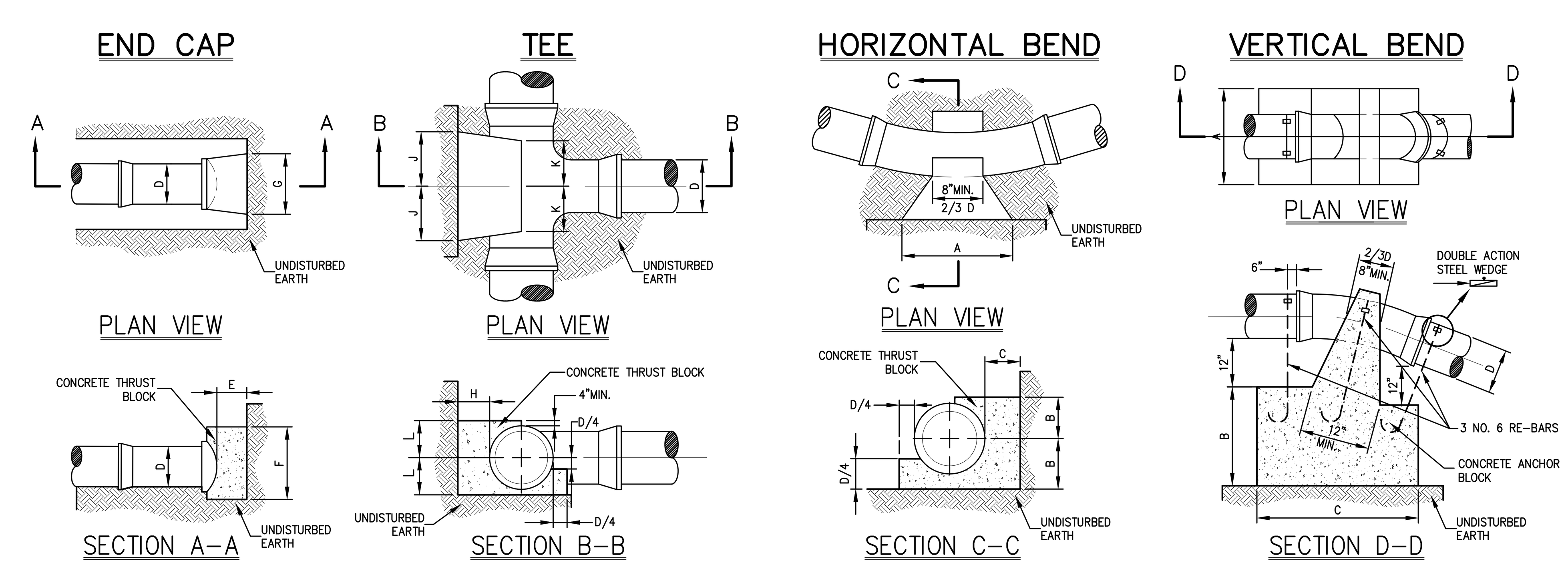
PROFILE VIEW

NOTE:
SEE RIPRAP STANDARDS AND SPECIFICATIONS MINIMUM TAILWATER CONDITIONS

RIP-RAP DISSIPATOR	CAPACITY Q cfs	La ft	d inchs	W ft	d50 inchs
HW B-1 Outlet	2.50	12	24	14	5

ROCK OUTLET PROTECTION 58

(MINIMUM TAILWATER CONDITIONS)



END CAP CHART

D	4"	6"	8"	10"	12"
E	6"	6"	8"	8"	10"
F	12"	12"	1'–4"	1'–8"	2'–0"
G	1'–5"	1'–5"	2'–0"	2'–5"	3'–0"

TEE CHART

D	4"	6"	8"	10"	12"
H	6"	7"	9"	10"	12"
L	8"	8"	10"	12"	1'–3"
J	7"	7"	9"	12"	1'–2"
K	6"	6"	8"	8"	8"

HORIZONTAL BEND CHART

BEND (DEGREES)		DIAMETER (D) 4"	6"	8"	10"	12"
1/32 (11¼°)	A	8"	8"	8"	10"	12"
	B	7"	7"	8"	9"	10"
	C	7"	7"	7"	8"	8"
1/16 (22½°)	A	9"	9"	12"	1'–6"	1'–9"
	B	7"	7"	8"	9"	10"
	C	8"	8"	9"	10"	11"
1/8 (45°)	A	1'–3"	1'–3"	1'–8"	2'–1"	2'–6"
	B	7"	7"	8"	9"	11"
	C	8"	8"	9"	10"	11"
1/4 (90°)	A	2'–0"	2'–0"	2'–6"	3'–0"	3'–6"
	B	7"	7"	9"	12"	1'–3"
	C	2'–0"	2'–0"	1'–9"	1'–8"	1'–7"

VERTICAL BEND CHART

BEND (DEGREES)		DIAMETER (D) 4"	6"	8"	10"	12"	16"
1/32 (11¼°)	A	1'–6"	1'–6"	2'–0"	2'–6"	3'–0"	3'–6"
	B	1'–3"	1'–3"	1'–9"	1'–3"	2'–0"	2'–0"
	C	2'–0"	2'–0"	2'–6"	2'–9"	3'–0"	4'–0"
1/16 (22½°)	A	2'–0"	2'–0"	3'–4"	3'–8"	4'–0"	4'–4"
	B	1'–9"	1'–9"	2'–3"	2'–6"	2'–6"	2'–6"
	C	2'–6"	2'–6"	2'–8"	4'–0"	4'–0"	5'–6"
1/8 (45°)	A	2'–6"	2'–6"	3'–0"	4'–0"	4'–6"	5'–2"
	B	2'–6"	2'–6"	2'–9"	3'–0"	3'–6"	4'–0"
	C	3'–0"	3'–0"	4'–0"	4'–6"	4'–9"	6'–6"

NOTES:

1. ALL CONCRETE TO BE CLASS A (4,000 PSI).
2. ALL DIMENSIONS ARE MINIMUMS; ALL ANCHOR AND THRUST BLOCKS SHALL BEAR ON UNDISTURBED EARTH.
3. IN ALL CASES SHOWN, MEASUREMENT "D" REFERS TO THE INSIDE PIPE DIAMETER.
4. ANCHOR AND THRUST BLOCK DIMENSIONS SHOWN ARE MINIMUM FOR 100 PSI WATER PRESSURE AND SOIL RESISTANCE OF 2 KIPS PER SQ FT. CONTRACTOR SHALL ADJUST FOR OTHER CONDITIONS AND SUBMIT FOR APPROVAL.
5. IF THE OWNER OF THE WATER SYSTEM REQUIRES A METHOD THAT RESTRAINS INDIVIDUAL JOINTS, EACH JOINT THAT FALLS WITHIN THE MINIMUM RESTRAINED LENGTH, MEASURED FROM THE CENTER OF THE FITTING, AS SHOWN ON THESE SHEETS SHALL BE RESTRAINED, AND SHALL WITHSTAND THE MAXIMUM PRESSURE APPLIED TO THE SYSTEM.
6. CLASS A CONCRETE SHALL NOT BE PLACED UNDER WATER. THE CONTRACTOR SHALL DEWATER THE EXCAVATION OR PLACE TYPE G CONCRETE USING APPROPRIATE UNDERWATER PLACEMENT TECHNIQUES.
7. CONCRETE FOR THRUST BLOCKS SHALL NOT BE ALLOWED TO COVER OR INTERFERE WITH JOINT OR RESTRAINT HARDWARE, PLASTIC SHEETING OR BUILDING FELT MAY BE PLACED OVER PIPE OR FITTINGS TO PREVENT CONCRETE FROM ADHERING TO SURFACES.
8. FOR BENDS, BEARING AREA SHALL BE PARALLEL TO THE EDGE OF THE FITTING AT THE FITTING MIDPOINT.
9. FOR TEES, BEARING AREA SHALL BE PERPENDICULAR TO THE BRANCH (SINGLE LEG) AXIS.
10. FOR REDUCERS, BEARING AREA SHALL BE PERPENDICULAR TO THE FITTING AXIS. THE MINIMUM THICKNESS ALONG THE FITTING AXIS SHALL BE 1'–0" OR THE LENGTH BETWEEN THE BELLS, WHICHEVER IS SMALLER.
11. THRUST RESTRAINTS FOR SIZES OR FITTINGS NOT SHOWN ON THESE SHEETS WILL BE DESIGNED ON A CASE BY CASE BASIS, AND WILL BE SHOWN IN THE CONTRACT DOCUMENTS.

ANCHOR AND THRUST BLOCKS 2 59

No.	Revision	Date	By
1.	REVISED PER TOWN COMMENTS	12/26/2018	TC
2.	ADDED CORNER LOT & SHOWROOM BUILDING REVS	04/30/2019	SMN
3.	GENERAL REVISIONS	11/26/2019	AH
4.	PLANNING BOARD APPROVAL	04/24/2020	AH
5.	REVISED PER RESOLUTION OF APPROVAL	11/24/2021	DK
6.	90% CONSTRUCTION BID DOCUMENTS	04/07/2022	DK
7.	REVISED PER RFI #1,2 & 3	05/09/2022	DK

Previous Editions Obsolete

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CONSTRUCTION DETAILS

MERCEDES BENZ OF GOLDENS BRIDGE
NYS ROUTE 22
TOWN OF LEWISBORO, NY

Drawn: SS	Approved: AN
Scale:	NOT TO SCALE
Date:	11/30/2017
Project No:	16124
16124-DETAILS	C-908

Drawing No:
C–908

NOT FOR CONSTRUCTION