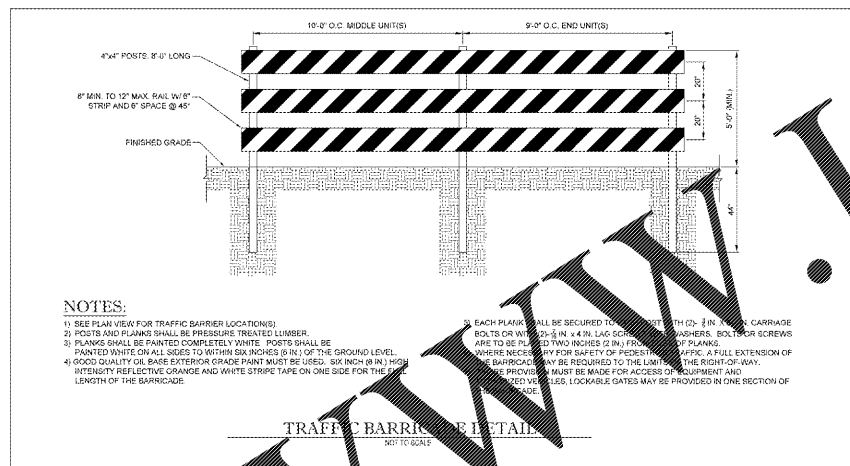


Order Plans

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- NOTES:**
- 1) SEE PLAN VIEW FOR TRAFFIC BARRIER LOCATIONS
 - 2) POSTS AND PLANKS SHALL BE PRESSURE TREATED LUMBER
 - 3) PLANKS SHALL BE PAINTED COMPLETELY WHITE. POSTS SHALL BE PAINTED WHITE ON ALL SIDES TO WITHIN ONE INCHES (8 IN.) OF THE GROUND LEVEL
 - 4) GOOD QUALITY OIL BASE EXTERIOR GRADE PAINT MUST BE USED. SIX INCH (6 IN.) HIGH HIGHLY REFLECTIVE ORANGE AND WHITE STRIPE TAPE ON ONE SIDE FOR THE LENGTH OF THE BARRICADE
 - 5) EACH PLANK SHALL BE SECURED TO THE POST WITH (2) #10 x 4 IN. CARRIAGE BOLTS OR WITH (2) #10 x 4 IN. LAG SCREWS WITH WASHERS. BOLTS OR SCREWS ARE TO BE PAINTED TWO INCHES (2 IN.) FROM EACH END OF PLANKS
 - 6) DIMENSIONS ARE FOR SAFETY OF PEDESTRIANS. A FULL EXTENSION OF THE BARRICADE MAY BE REQUIRED TO THE LIMIT OF THE RIGHT-OF-WAY. THE BARRICADE SHALL BE MADE FOR ACCESS OF PEDESTRIANS AND VEHICLES. LOCKABLE GATES MAY BE PROVIDED IN ONE SECTION OF THE BARRICADE

ADS SINGLE WALL HEAVY DUTY PIPE

SCOPE
This specification describes 3'-through 24'-length 175 to 600 mm ADS single wall heavy duty corrugated polyethylene highway pipe for use in gravity flow drainage applications.

PIPE REQUIREMENTS
ADS single wall corrugated heavy duty pipe shall have smooth interior and exterior corrugations.
• 3' through 175 to 350 mm shall meet ASTM F467
• 3' through 24' shall meet 2000 to 600 mm shall meet ASTM F467

JOINT PERFORMANCE
Joints for 3' to 24' shall be 175 to 600 mm shall be made with gaskets or gasket rings. Standard gaskets shall meet the requirements of the ASTM F467 or ASTM F467. Gasketed connections shall incorporate a 175mm end splined interlock member meeting the requirements of ASTM F1709 Grade 242. Details when applicable shall be required by the pipe manufacturer.

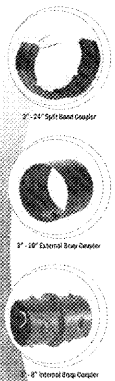
FITTINGS
Fittings shall conform to ASTM F467 or ASTM F467.

MATERIAL PROPERTIES
The resulting material shall be high density polyethylene conforming with the minimum requirements of cell compound 4224300 as defined and described in the latest version of ASTM D3350 or ASTM D3349 Type II, Class II, Category A, Grade P48.

INSTALLATION
Installation shall be in accordance with ASTM D2922 and ADS recommended installation guidelines with the exception that installation shall be on a prepared subgrade. ADS installation guidelines shall be the ADS 3.0.0. Contact your local ADS representative or visit our website www.ads-pipe.com for a copy of the latest installation guidelines.

PIPE DIMENSIONS

Length	3'	6'	9'	12'	15'	18'	21'	24'
Outer Diameter	175	225	275	325	375	425	475	525
Inner Diameter	150	200	250	300	350	400	450	500
Wall Thickness	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5



TIMBER RETAINING WALLS

- GENERAL NOTES:**
1. All timber shall be 6/4, weathered, pine, grade 62 or better and preservative treated in accordance with American Wood Preservers' Association standards for ground contact.
 2. All systems shall be 400 or equivalent, but aligned galvanized or stainless steel and treated base preservative treated. Spacing of members shall be consistent with the base members a maximum of 2 inches.
 3. Member joints shall be staggered a maximum of 5.0 feet from the edge of the concrete above and below.

WALL CONSTRUCTION:
The construction of a timber retaining wall shall conform to the details shown in FIGURE 1 through FIGURE 3.



FIGURE 1: TYPICAL ELEVATION

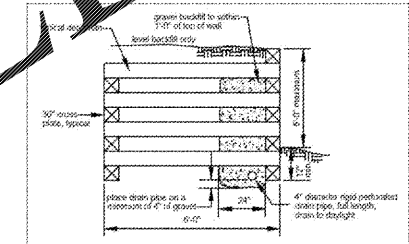


FIGURE 2: TYPICAL SECTION

BEADMAN REQUIREMENTS:

Division shall be paid at 1/2 inch on center or shown in FIGURE 1. Division and cover plate shall be constructed as shown in FIGURE 3. Dimensions are not regulated in the previous section before, grade.

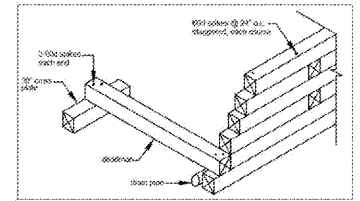


FIGURE 3: TYPICAL BEADMAN DETAIL

CORNER REQUIREMENTS:

Each end member shall be secured in each end with 2-6061 splines driven vertically into the member below. The members shall be secured with 2-6061 splines and driven horizontally as shown in FIGURE 4.

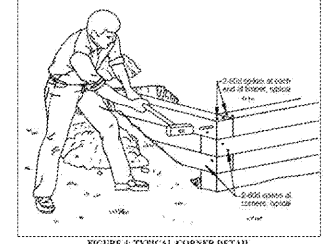


FIGURE 4: TYPICAL CORNER DETAIL

REVISIONS	BY
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THE FOLLOWING STATE REQUIREMENTS BY REGULATORY AGENCIES OR BY FEDERAL REGULATIONS TO OBTAIN THE EARTH'S SURFACE APPLICABLE TO THE STATE OF VIRGINIA, THE DISTRICT OF COLUMBIA, AND THE COMMONWEALTH OF MASSACHUSETTS:

BOHLER ENGINEERING

22636 DAVIS DRIVE, SUITE 260
STERLING, VIRGINIA 20154
Phone: (703) 709-6500
Fax: (703) 709-6501
VA@BohlerEng.com

SITE DETAILS

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CATOCTIN ELECTION DISTRICT
LEESBURG, LOUDOUN COUNTY, VA

WAL-MART STORES, INC.
BENTONVILLE, AR

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SHEET 58 OF 103