

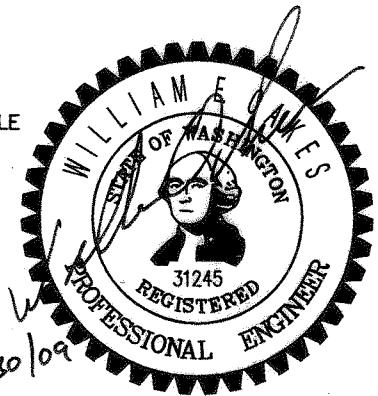
THE INTENT OF THESE PLANS FOR ISLAND COUNTY'S SMALL DIAMETER HDPE OUTFALL IS TO PROVIDE AN ASSEMBLY DIAGRAM FOR THE HDPE OUTFALL PIPE AND CATCH BASINS AS SHOWN ON THE PLANS. ACCEPTED RECOMMENDATIONS OF A GEOTECHNICAL ENGINEERING REPORT MAY BE USED FOR MODIFYING DETAILS OR DIMENSIONS PROVIDED HEREIN.

DISCLAIMER FOR SMALL DIAMETER OUTFALL PLANS AS DEVELOPED BY ISLAND COUNTY PUBLIC WORKS

ISLAND COUNTY MAKES NO WARRANTY OR CLAIM AS TO THE PERFORMANCE OF THIS OUTFALL SYSTEM AND ACCEPTS NO LIABILITY FOR ITS USE. PERSONS SEEKING SUCH A PERFORMANCE WARRANTY OR CLAIM SHOULD MAKE SUCH A REQUEST TO THEIR CONTRACTOR OR MATERIALS SUPPLIER.

GENERAL NOTES:

1. THIS STANDARD PLAN IS INTENDED FOR ONE SINGLE FAMILY RESIDENCE WITH LESS THAN 5,000 SQUARE FEET OF IMPERVIOUS SURFACE. CONTACT ISLAND COUNTY PUBLIC WORKS DEPARTMENT (360) 679-7331 REGARDING LOCAL PERMITTING AND DESIGN/SUBMITTAL REQUIREMENTS. CONTACT DEPARTMENT OF FISH AND WILDLIFE FOR PERMIT REQUIREMENTS (360) 466-4345 IN CRITICAL AREAS.
2. THE MAX. BLUFF HEIGHT FOR THIS SYSTEM IS 300 FEET. FENCE POSTS ON SLOPE RESTRICT LATERAL MOVEMENT BUT ALLOW PIPE EXPANSION/CONTRACTION.
3. PROPERTY OWNER IS REQUIRED TO CONTACT ISLAND COUNTY PUBLIC WORKS DEVELOPMENT COORDINATOR FOR SYSTEM INSTALLATION INSPECTION AT LEAST 36 HOURS PRIOR TO COVERING SYSTEM COMPONENTS.
4. ALL CONSTRUCTION SHALL COMPLY WITH ISLAND COUNTY SPECIFICATIONS AND WASHINGTON STATE LAW.
5. PROPERTY OWNER IS RESPONSIBLE FOR AN ADEQUATE AND PERIODIC INSPECTION OF THE CONSTRUCTED DRAINAGE SYSTEM. PROPERTY OWNER ALSO IS RESPONSIBLE FOR ONGOING AND PROPER MAINTENANCE OF THE CONSTRUCTED DRAINAGE SYSTEM.



Office of the
ISLAND COUNTY ENGINEER
1 NE 6th Street
Coupeville, WA 98239-5000



APPROVED BY:

William E. Oakes
William E. Oakes, P.E.
COUNTY ENGINEER

4/30/09
DATE

TITLE:

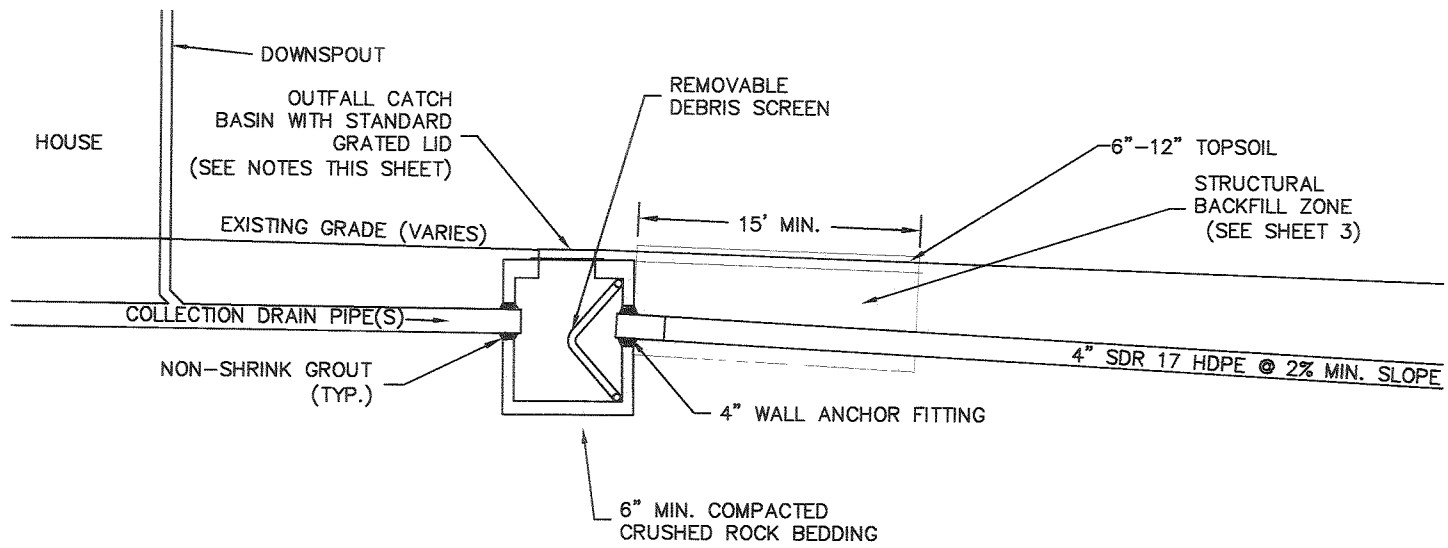
**SMALL DIAMETER
RESIDENTIAL HDPE
STORMWATER OUTFALL**

SCALE:

NOT TO SCALE

SHEET

1 OF 3



CATCH BASIN, ANCHOR BLOCK AND STRUCTURAL BACKFILL DETAIL

NOT TO SCALE

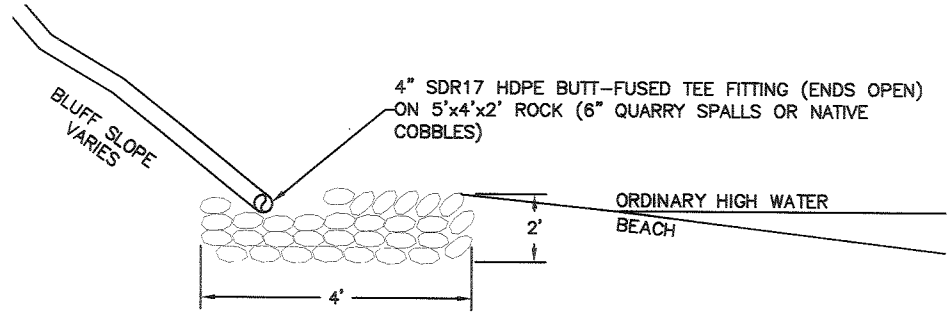
ABBREVIATIONS:

- CB = CATCH BASIN
- HDPE = HIGH DENSITY POLYETHYLENE
- OHW = ORDINARY HIGH WATER
- SDR = STANDARD DIMENSION RATIO (PIPE WALL THICKNESS)
- SS = STAINLESS STEEL
- TYP = TYPICAL
- ' = FEET
- " = INCHES

NOTES:

1. CATCH BASIN SPECIFICATIONS:
 CONCRETE
 TYPE = BURLINGTON (OR EQUAL)
 18"W X 24"D X 30"H (OUTSIDE DIMENSIONS) TRAFFIC RATED METAL LID
 2. REMOVABLE DEBRIS SCREEN SPECIFICATION:
 VINYL COATED, GALV. 1/2" X 1/2" SCREEN TO PREVENT DEBRIS FROM CLOGGING THE SYSTEM
- FOLD AS NEEDED TO ALLOW LARGER SURFACE AREA. EDGES TO FIT FLUSH TO CATCH BASIN WALLS

SUPERSEDES PREVIOUS VERSION OF SHEET 2 OF 3



OUTFALL DIFFUSER PAD DETAIL

NOT TO SCALE



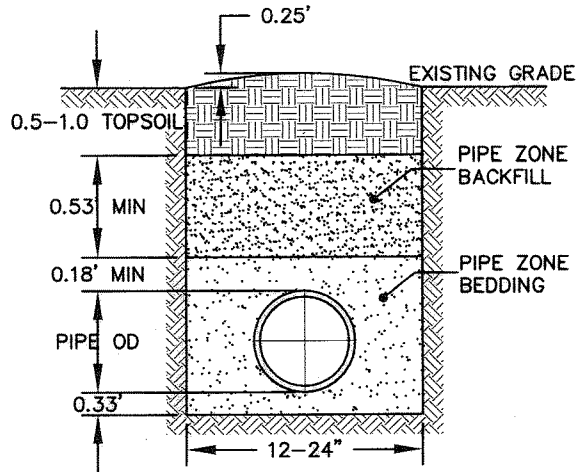
Office of the ISLAND COUNTY ENGINEER
 1 NE 6th Street
 Coupeville, WA 98239-5000

APPROVED BY:
William E. Oakes 5/21/2014
William E. Oakes, P.E. DATE
 COUNTY ENGINEER

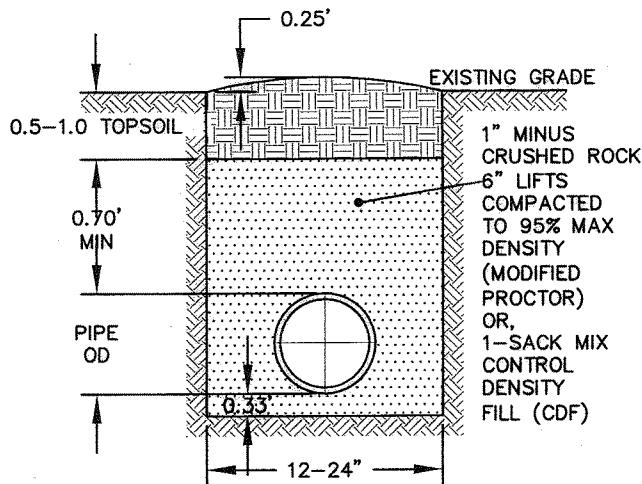
TITLE:
SMALL DIAMETER RESIDENTIAL HDPE STORMWATER OUTFALL

SCALE:
 NOT TO SCALE

SHEET
 2 OF 3



STANDARD BACKFILL CROSS SECTION
NOT TO SCALE



STRUCTURAL BACKFILL CROSS SECTION
NOT TO SCALE

TRENCH BACKFILL NOTES:

(TRENCHES IN LANDSCAPED AREAS)

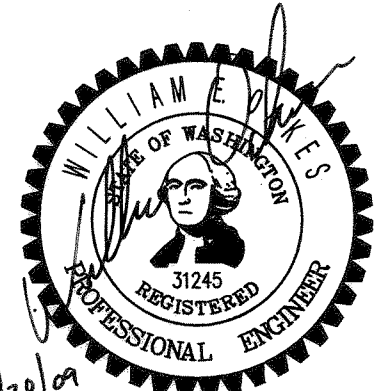
1. PIPE ZONE BACKFILL MATERIAL SHALL BE CLEAN EARTH OR SAND, FREE FROM CLAY, FROZEN LUMPS, ROOTS, OR MOISTURE IN EXCESS OF THAT PERMITTING REQUIRED COMPACTION. ROCKS OR LUMPS LARGER THAN 3 INCHES MAXIMUM SHALL NOT BE USED FOR PIPE ZONE BACKFILL. PIPE ZONE BACKFILL SHALL BE PLACED IN LOOSE LAYERS AND COMPACTED TO 90 PERCENT MAXIMUM DENSITY.

2. PIPE ZONE BEDDING PER WSDOT/APWA 9-03.12(3):

GRAVEL BACKFILL FOR PIPE ZONE BEDDING SHALL CONSIST OF CRUSHED, PROCESSED, OR NATURALLY OCCURRING GRANULAR MATERIAL. IT SHALL BE FREE FROM VARIOUS TYPES OF WOOD WASTE OR OBJECTIONABLE MATERIALS. IT SHALL HAVE SUCH CHARACTERISTICS OF SIZE AND SHAPE THAT IT WILL COMPACT AND SHALL MEET THE FOLLOWING SPECIFICATIONS FOR GRADING AND QUALITY:

SIEVE SIZE:	PERCENT PASSING:
1 1/2" SQUARE	100
1" SQUARE	75-100
5/8" SQUARE	50-100
U.S. NO. 4	20-80
U.S. NO. 40	3-24
U.S. NO. 200	10.0
SAND EQUIVALENT	27 MIN.

ALL PERCENTAGES ARE BY WEIGHT.



811
Know what's **BELOW**.
CALL before you dig.



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3 OF 3