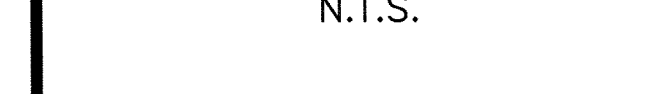


DRAWN BY: SP CHECKED BY: WGH

JOB No. 14-026

BOOK

SCALE N.T.S.



GRAPHIC SCALE

DATE APRIL 30, 2021

REVISIONS

OCTOBER 20, 2021

CERTIFICATE OF AUTHORIZATION No. 24GA27959700

NOTES

FINAL MAJOR SUBDIVISION PLAN WESTMINSTER PRESBYTERIAN CHURCH LOT 32 BLOCK 2006 MOUNTAIN AVENUE & PLAINFIELD AVENUE TOWNSHIP OF BERKELEY HEIGHTS UNION COUNTY NEW JERSEY CONSTRUCTION DETAILS

AIDAN T. MURPHY N.J. LIC. PROFESSIONAL ENGINEER #21319 & LAND SURVEYOR #27473 N.J. PROFESSIONAL PLANNER #2531

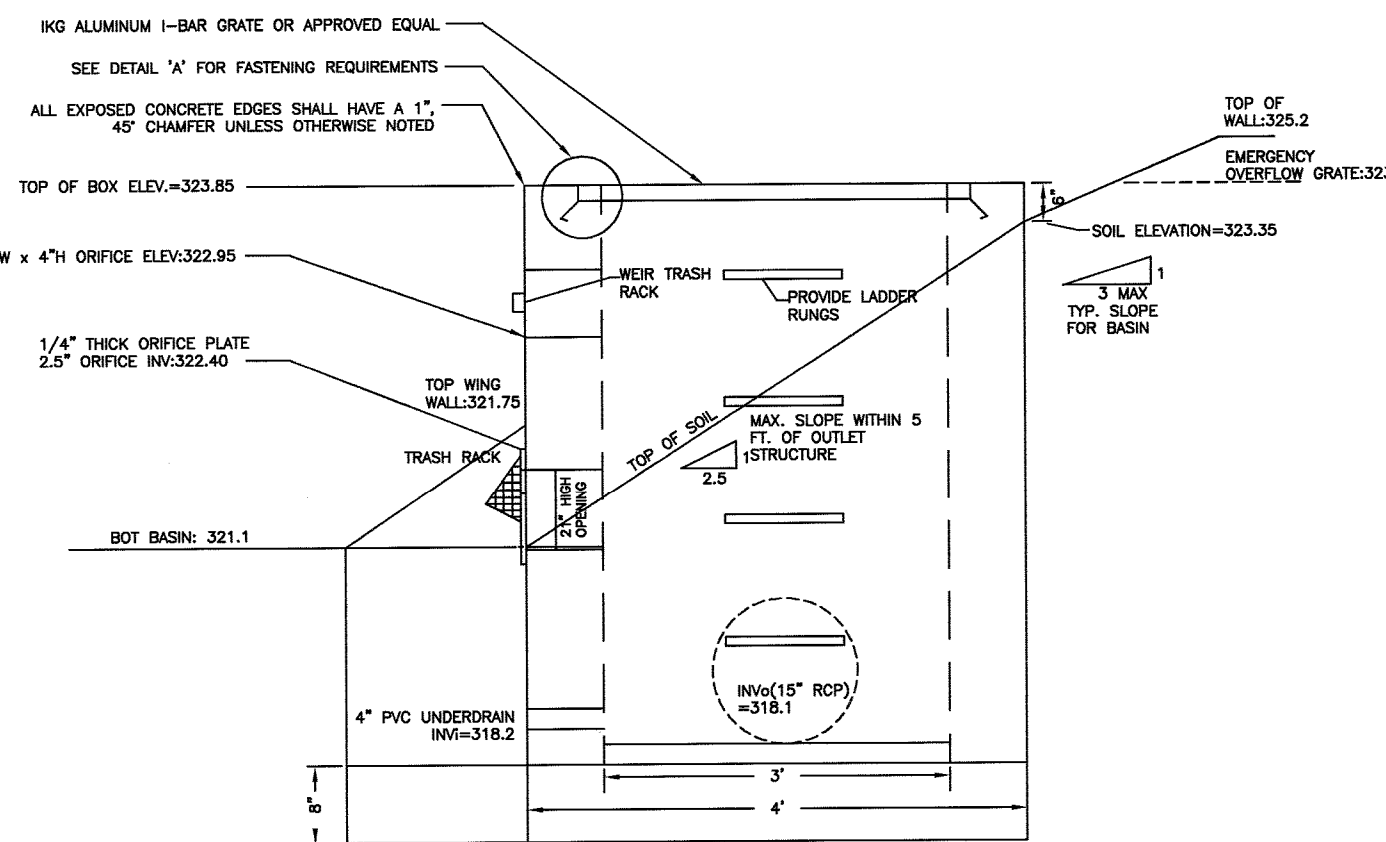
WILLIAM G. HOLLOWES N.J. LIC. PROFESSIONAL ENGINEER & LAND SURVEYOR #27473 N.J. PROFESSIONAL PLANNER #2530

FILE LF14-026 SHEET 11 OF 13

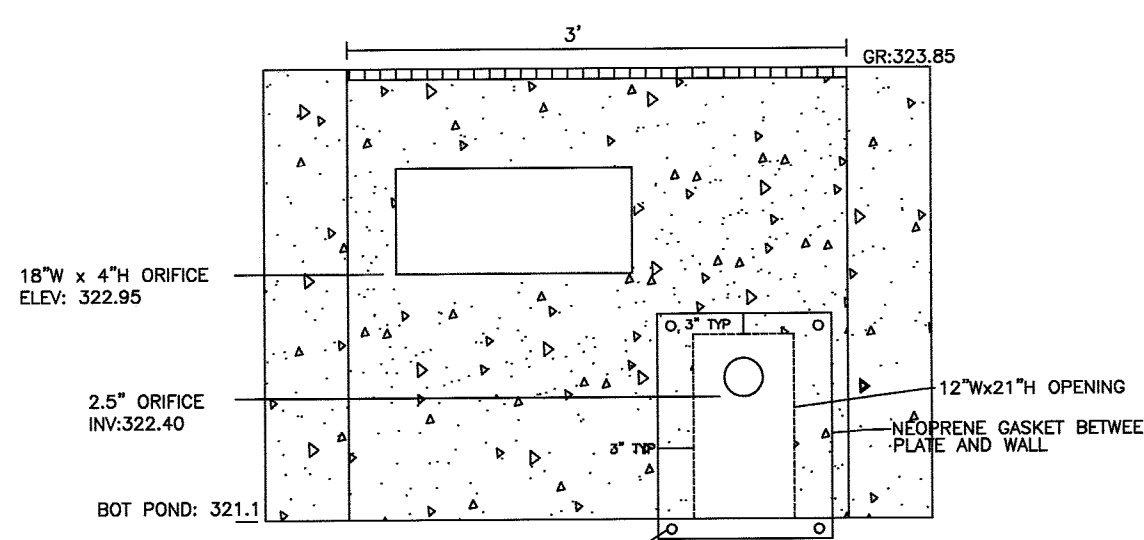
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OF 13

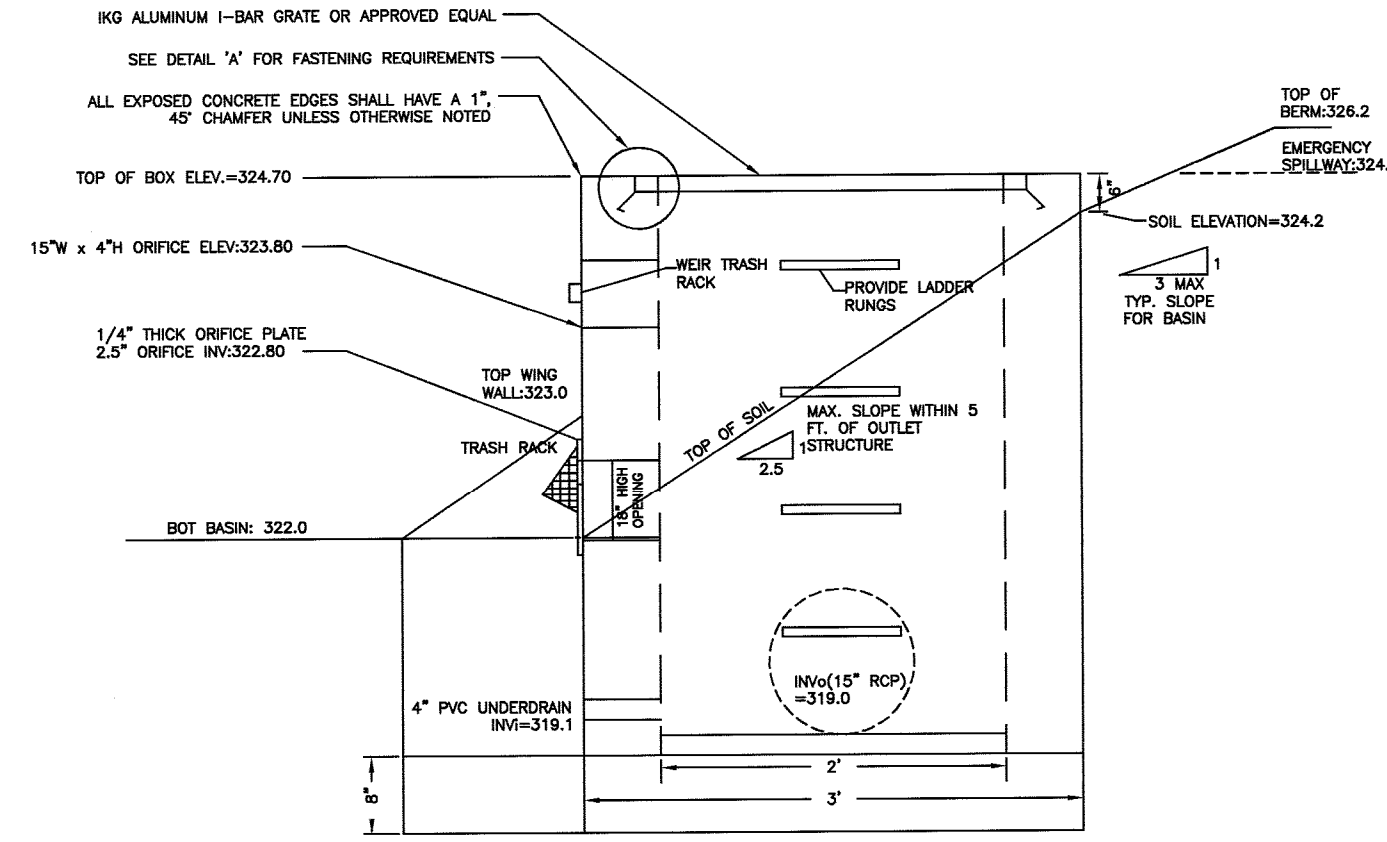
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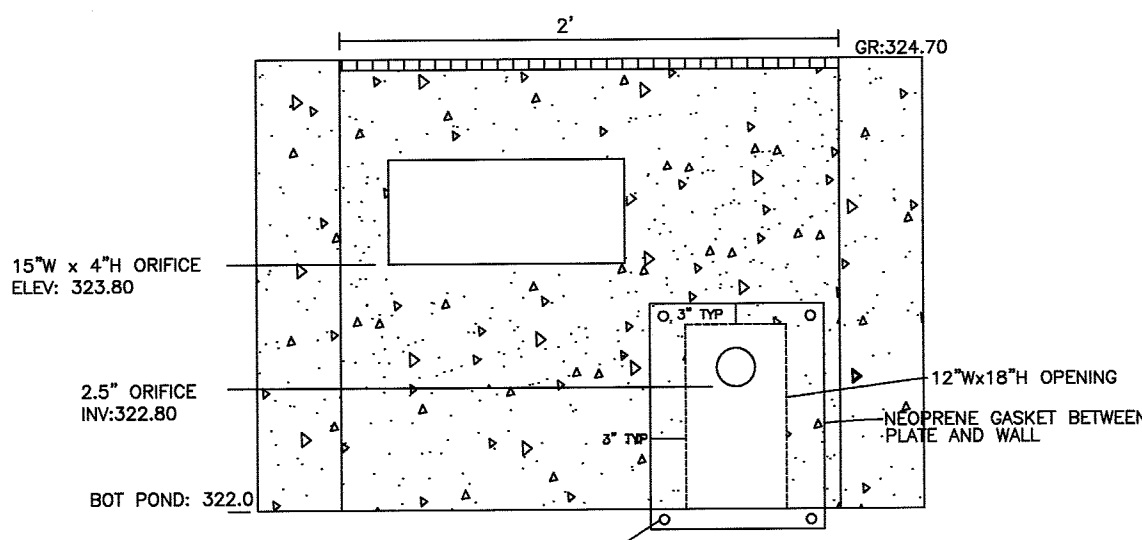
SIDE VIEW OF OUTLET STRUCTURE OCS A NOT TO SCALE



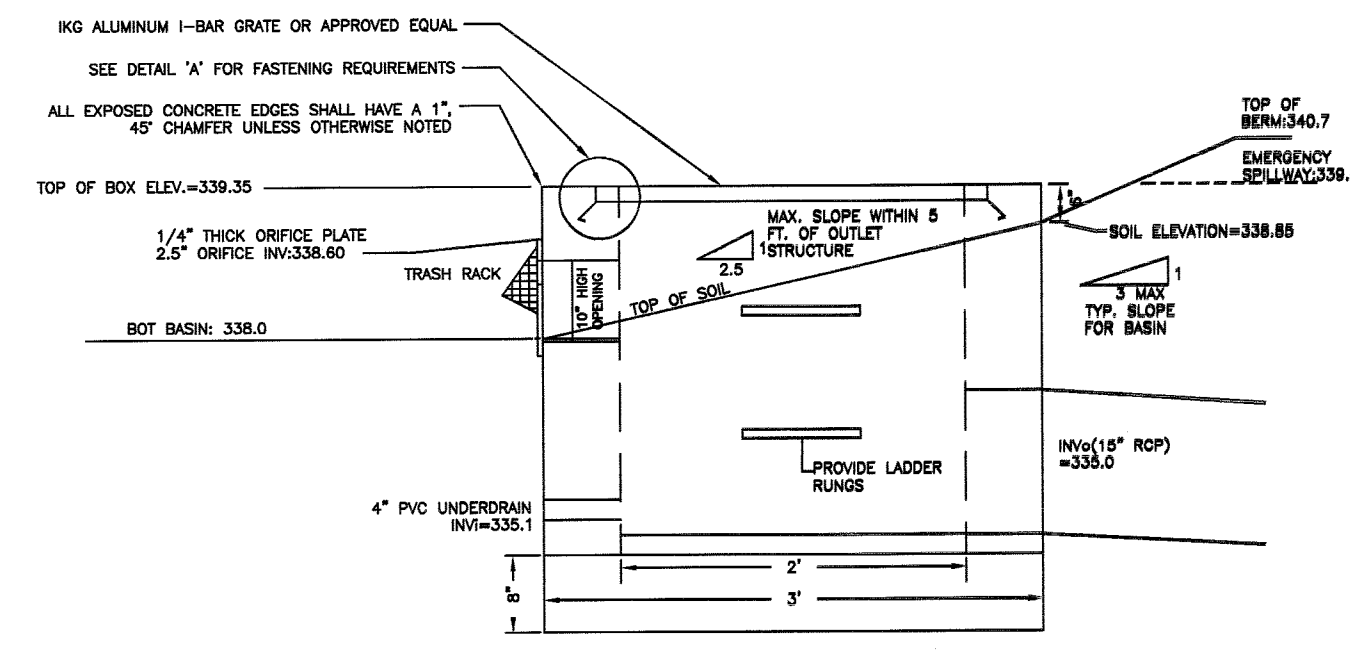
FRONT OF STRUCTURE DETAIL OCS A NTS



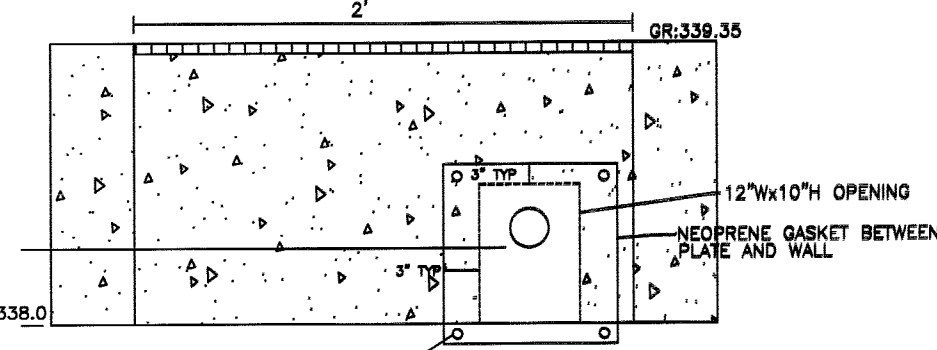
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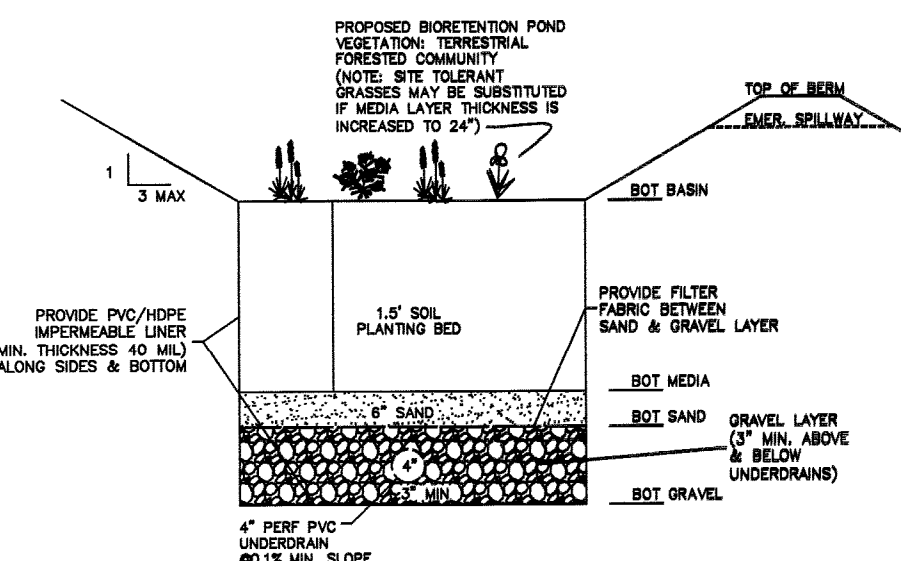
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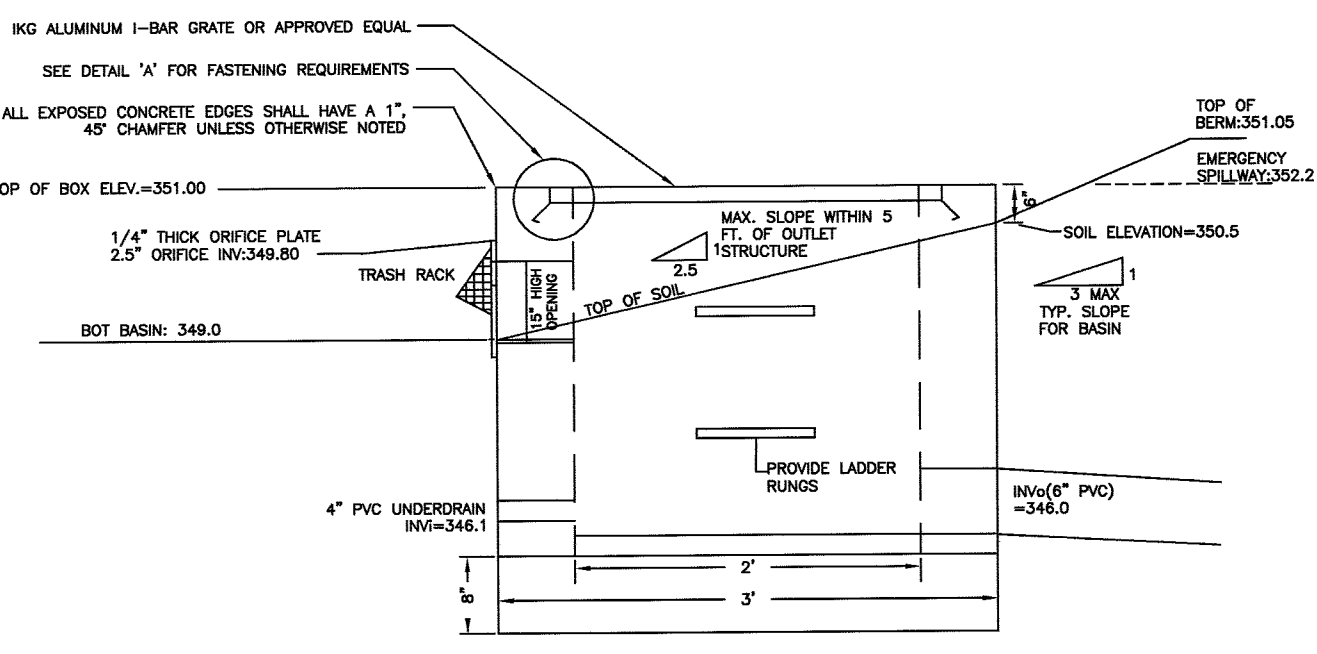
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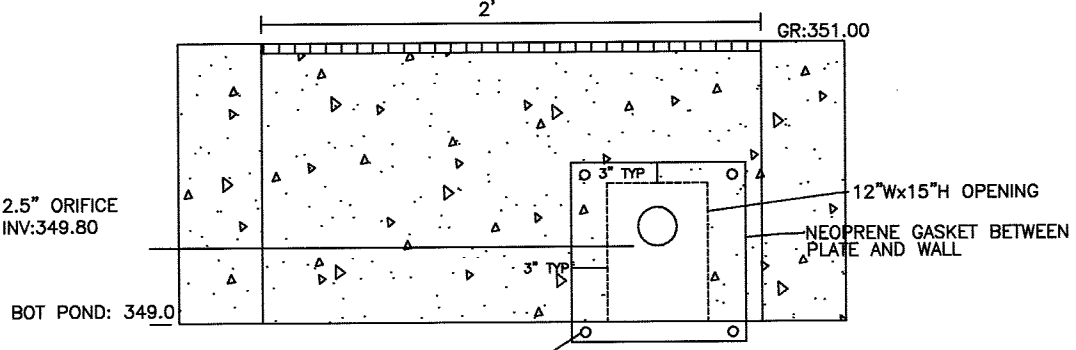
BIORETENTION BASIN BASE NTS

UNDERDRAINS TO BE SCHEDULE 40 PVC IN ACCORDANCE WITH ASTM M272. PIPE SHOULD HAVE A MINIMUM OF 3/8" DIAMETER PERFORATIONS AT 1' INTERVALS WITH FOUR PERFORATIONS PER ANNUAL ROW. CLEANOUTS TO BE NON-PERFORATED. SAND MUST MEET THE SPECIFICATIONS FOR CLEAN MEDIUM AGGREGATE CONCRETE SAND IN ACCORDANCE WITH ASTM M-48 OR ASTM C-335. GRAVEL TO BE 0.5" TO 1.5" CLEAN BROKEN STONE OR PEA GRAVEL (ASTM M-43) PLANTING SOIL BED MATERIAL SHALL CONSIST OF THE FOLLOWING SOIL BY WEIGHT: -85 TO 85 PERCENT SANDS, WITH NO MORE THAN 20% OF THE SANDS AS FINE OR VERY FINE SANDS -THE ENTIRE MIX SHALL BE AMENDED WITH 3% TO 5% ORGANICS -THE MATERIALS SHD SHOULD RANGE FROM 1/2" TO 1 1/2" UNITS -AN IN-SITU PERMEABILITY TEST WILL BE PERFORMED ON THE MATERIAL TO ASSURE THE PERMEABILITY RATE OF 2"/HR (MINIMUM) FILTER FABRIC TO BE WOVEN FILTER FABRIC, MARI-FW SERIES OR APPROVED EQUAL.

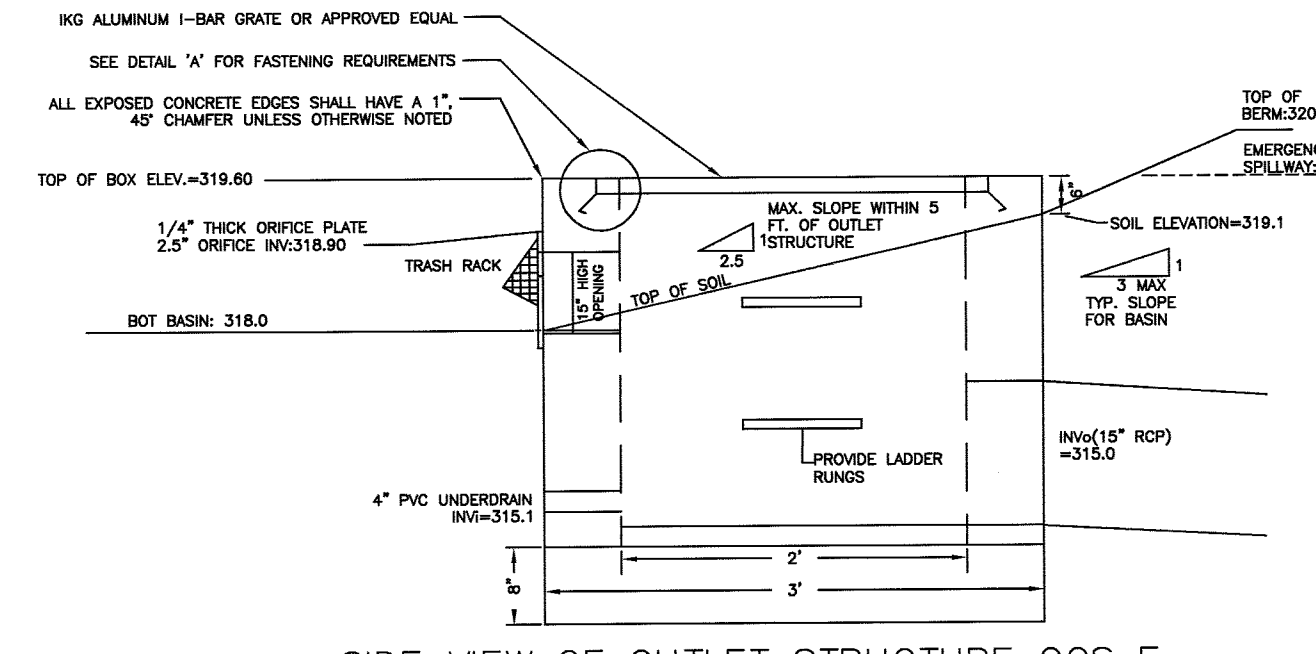
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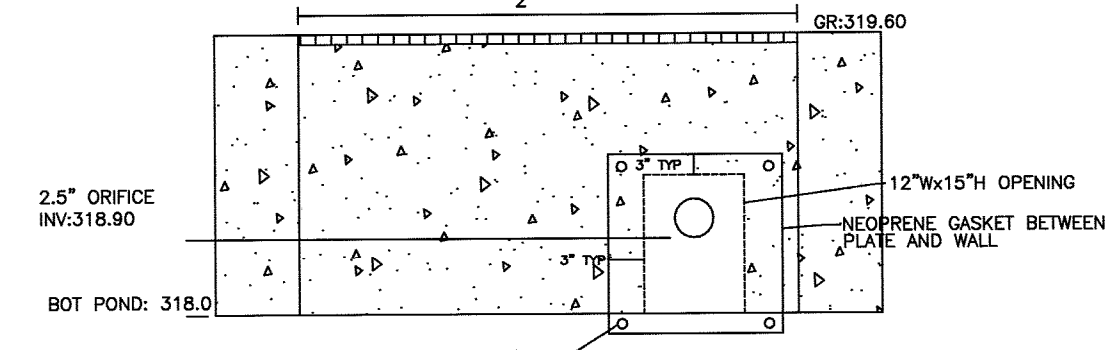
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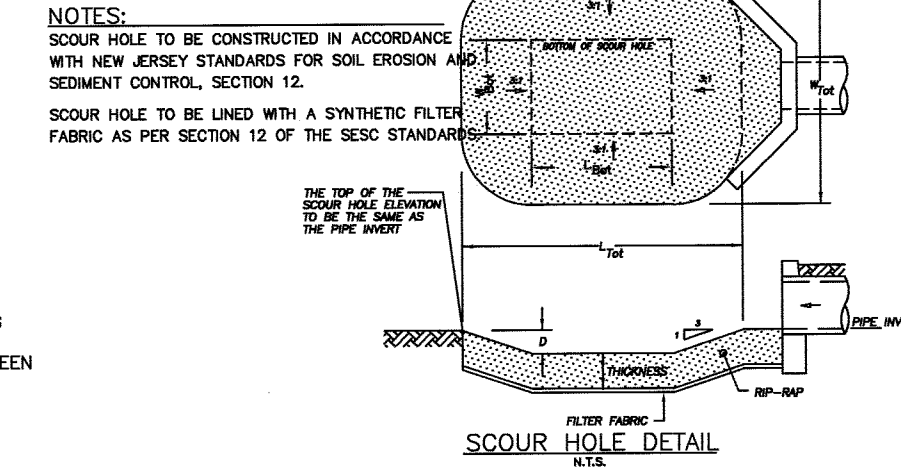
FRONT OF STRUCTURE DETAIL OCS D NTS



SIDE VIEW OF OUTLET STRUCTURE OCS E NOT TO SCALE

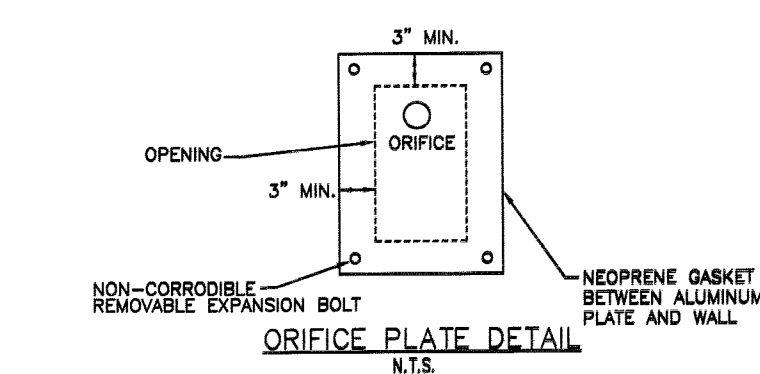


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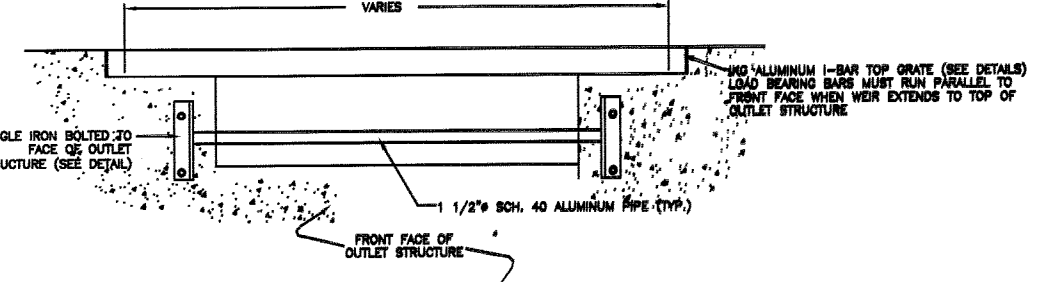


SCOUR HOLE DETAIL NTS

NOTES: SCOUR HOLE TO BE CONSTRUCTED IN ACCORDANCE WITH NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL, SECTION 12. SCOUR HOLE TO BE LINED WITH A SYNTHETIC FILTER FABRIC AS PER SECTION 12 OF THE SESC STANDARDS.



ORIFICE PLATE DETAIL NTS



OUTLET STRUCTURE WEIR TRASH RACK DETAIL NOT TO SCALE

WEIR SHALL BE 1/2" MIN. HIGH AND SHALL BE 1/2" MIN. WIDE. WEIR SHALL BE 1/2" MIN. HIGH AND SHALL BE 1/2" MIN. WIDE. WEIR SHALL BE 1/2" MIN. HIGH AND SHALL BE 1/2" MIN. WIDE.

N:\CAD Drawings\2014\14-026\SUBDIVISION\FINAL\REV\14-026\FINAL1.dwg, 10/20/2021 4:22:26 PM