BARRACUDA S4 HP

STANDARD DETAIL

10/20/17

DRAWN:

CHECKED:

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

48" HP MANHOLE

30" FRAME & COVER

* FABRICATED PP OUTLET STUB

18" (MIN)

* FABRICATED PP INLET STUB

FIN ARRAY (TYP 4 PLACES)

INTEGRATED INTERNAL WEIR

VARIABLE INLET LOCATIONS

VARIABLE OUTLET LOCATIONS

BOWL

FIN ARRAY (TYP 4 PLACES)

6" (MIN) DESIGN BY SITE ENGINEER PER LOADING AND SOIL CONDITIONS

SECTION VIEW A-A

SECTION VIEW B-B

UNIT ID:

BMP#1

PEAK FLOW RATE (CFS)

TREATMENT FLOW RATE (CFS)

1.25 CFS

10.08'

121.0'

85'

106.0'

6.00 MIN.

6" MIN. OVERLAY

INTEGRATED INTERNAL WEIR

FIN ARRAY (TYP 4 PLACES)

FLOOR

12" (MIN)

36.0" (36" MIN)

12.08"

1030 Deer Hollow Drive

Mount Airy, MD 21771

1-800-BAYSAVER

1-800-229-7283

48" HP MANHOLE

30" FRAME & COVER

* FABRICATED PP OUTLET STUB

18" (MIN)

* FABRICATED PP INLET STUB

FIN ARRAY (TYP 4 PLACES)

INTEGRATED INTERNAL WEIR

INTEGRATED INTERNAL WEIR

FIN ARRAY (TYP 4 PLACES)

INTEGRATED INTERNAL WEIR

INTEGRATED INTERNAL WEIR

FIN ARRAY (TYP 4 PLACES)

FIN ARRAY (TYP 4 PLACES)

18" (MIN)

18" (MIN)

6" (MIN)

8.83'

106.0'

7.08 SLERP

NOT TO SCALE

LOAD BEARING TOP SLAB

(TYP 4 PLACES)

ASPHALT INSTALLATION

CONCRETE SUPPORT COLLAR TO BE POURED AROUND TOP OF STRUCTURE TO SUPPORT FLAT TOP

INTEGRATED INTERNAL WEIR

CLASS I BACKFILL & BEDDING PER ASTM D2321, MATERIAL SHALL BE WELL PLACED UNIFORMLY AROUND STRUCTURE AND INLET CONNECTIONS AND COMPACTED IN 8" MAX. LIFTS AT LEAST 18" FROM OUTSIDE OF STRUCTURE.

VARIABLE INLET LOCATIONS

VARIABLE OUTLET LOCATIONS

ASPHALT INSTALLATION

CONCRETE SUPPORT COLLAR TO BE POURED AROUND TOP OF STRUCTURE TO SUPPORT FLAT TOP

INTEGRATED INTERNAL WEIR

FIN ARRAY (TYP 4 PLACES)