

REVISION HISTORY			
REV	BY	DESCRIPTION	DATE
A	RSH	CHANGES TO RIM AND INVERTS AND GRATE	1/10/2024
-	WCS	FIRST RELEASE	1/5/2024

PROJECTION

IF IN DOUBT ASK

DATE: 1/5/2024 SCALE: 1:30

DRAWN BY: WCS CHECKED BY: APPROVED BY:

THE 4-R DIAMETER FIRST DEFENSE OPTIMUM

MTD M-1
1/2 ROCKLAND LOGISTICS
VILLAGE OF SUFFERN, NY

Patent: www.hydro-int.com/patents

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International

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WEIGHT: MATERIAL:

STOCK NUMBER: 1

DRAWING NO.: 24_12_0026-5RFD0-1

SHEET SIZE: B SHEET: 1 OF 1

Rev: A

PARTS LIST				
ITEM	QTY	SIZE (in)	DESCRIPTION	TYPE
1	1	48	I.D. PRECAST MANHOLE	
2	1	24	FRAME AND GRATE (SQUARE)	
3	1		LEDGER SUPPORT	
4	1	24	OUTLET PIPE (BY OTHERS)	HDPE
5	1		SEPARATION MODULE	
6	1	24	INLET PIPE (BY OTHERS)	HDPE

CAPACITIES:

1. PEAK HYDRAULIC FLOW: 18.0 cfs (510 l/s)
2. SEDIMENT STORAGE CAPACITY: 0.7 cu. yd. (0.5 cu. m.)
3. MAXIMUM INLET/OUTLET PIPE DIAMETERS: 24 in. (600 mm)

PRODUCT SPECIFICATIONS:

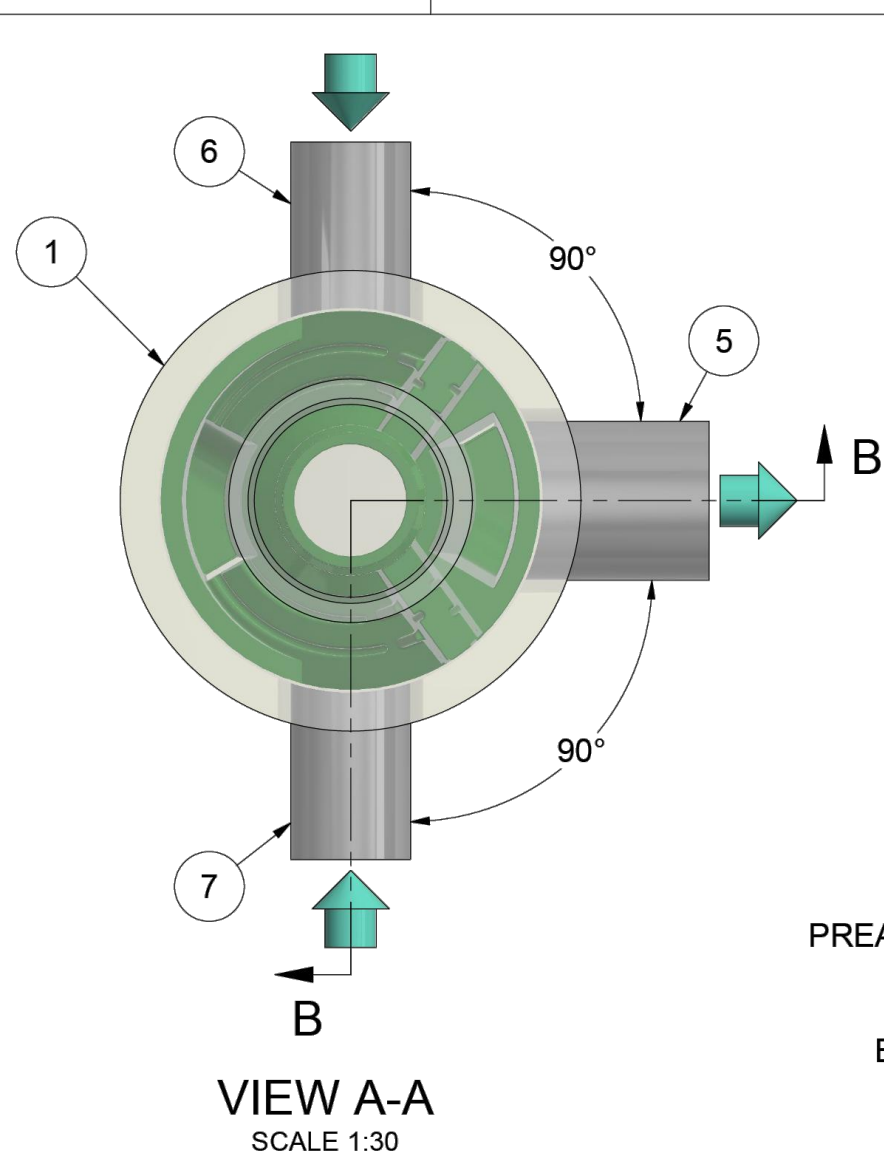
A. The treatment system shall use an induced vortex to separate pollutants from stormwater runoff.

B. The treatment system shall fit within the limits of excavation (area and depth) as shown in the project plans and will not exceed the dimensions for the design flow rates specified herein.

C. The treatment system shall convey the Peak On-line Flow Rates of up to 18 cfs without causing upstream surcharge conditions.

D. The treatment system shall be capable of capturing and retaining fine silt and sand size particles.

E. Unit shall conform to HS20-44 load ratings.



CAPACITIES:

1. PEAK HYDRAULIC FLOW: 20.0 cfs (566 l/s)
2. SEDIMENT STORAGE CAPACITY: 1.1 cu. yd. (0.8 cu. m.)
3. MAXIMUM INLET/OUTLET PIPE DIAMETERS: 24 in. (600 mm)

PRODUCT SPECIFICATIONS:

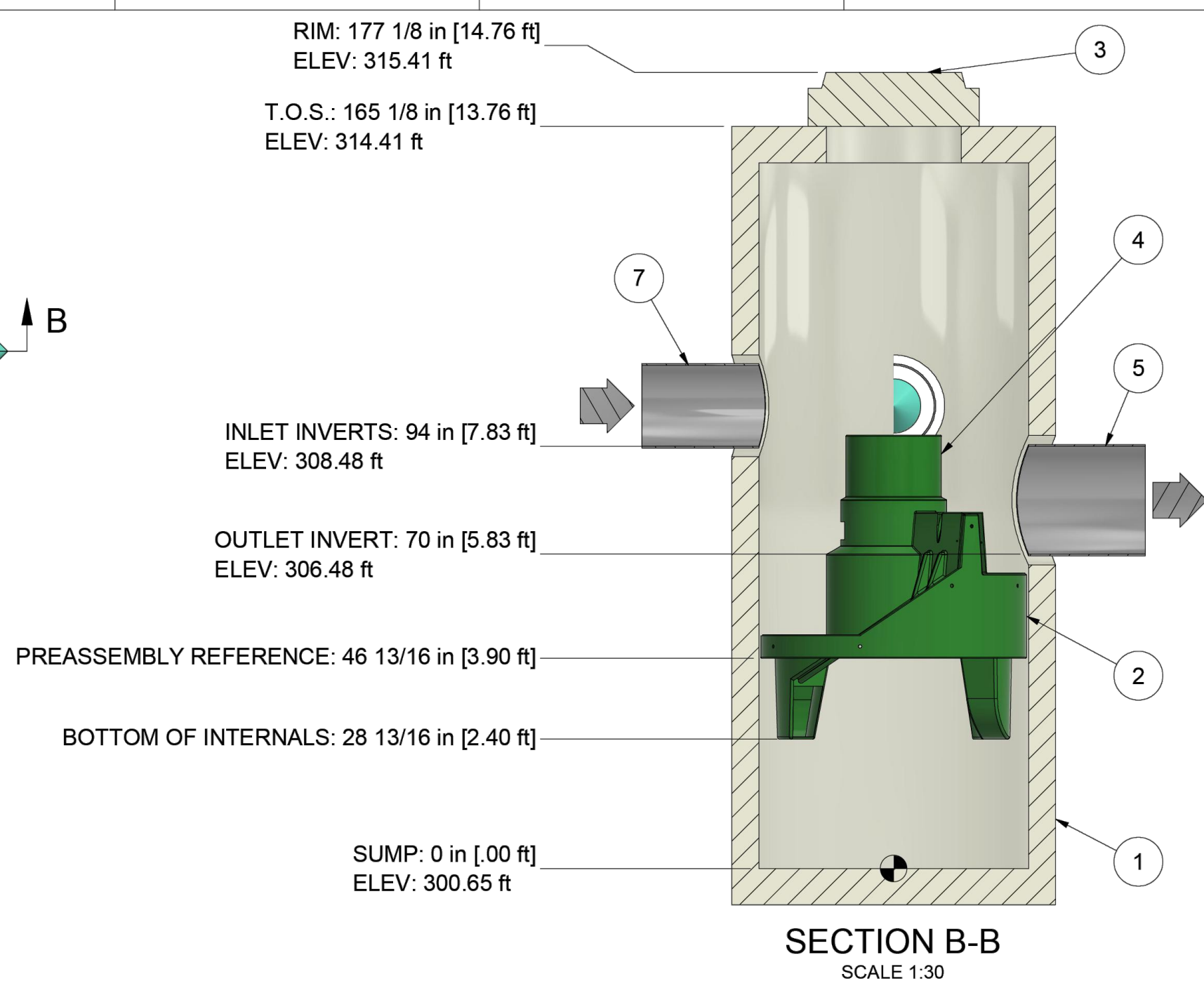
A. The treatment system shall use an induced vortex to separate pollutants from stormwater runoff.

B. The treatment system shall fit within the limits of excavation (area and depth) as shown in the project plans and will not exceed the dimensions for the design flow rates specified herein.

C. The treatment system shall convey the Peak On-line Flow Rates of up to 20 cfs without causing upstream surcharge conditions.

D. The treatment system shall be capable of capturing and retaining fine silt and sand size particles.

E. Unit shall conform to HS20-44 load ratings.



PARTS LIST				
ITEM	QTY	SIZE (in)	DESCRIPTION	TYPE
1	1	60	I.D. PRECAST MANHOLE	
2	1		LEDGER SUPPORT	
3	1	30	FRAME AND COVER (ROUND)	
4	1		SEPARATION MODULE	
5	1	24	OUTLET PIPE (BY OTHERS)	HDPE
6	1	18	INLET PIPE (BY OTHERS)	HDPE
7	1	18	INLET PIPE (BY OTHERS)	HDPE

REVISION HISTORY			
REV	BY	DESCRIPTION	DATE
A	RSH	CHANGES TO RIM ELEVATION AND COVER	1/10/2024
-	WCS	FIRST RELEASE	1/5/2024

PROJECTION

IF IN DOUBT ASK

DATE: 1/5/2024 SCALE: 1:30

DRAWN BY: WCS CHECKED BY: APPROVED BY:

THE 5-R DIAMETER FIRST DEFENSE OPTIMUM

MTD M-2
1/2 ROCKLAND LOGISTICS
VILLAGE OF SUFFERN, NY

Patent: www.hydro-int.com/patents

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Newtown, Pennsylvania T: 267.683.0274 | Philadelphia, Pennsylvania T: 215.253.4868 | Bethlehem, Pennsylvania T: 610.256.4400

TITLE: **HYDRO INTERNATIONAL DETAILS**

PROJECT: **IV2 ROCKLAND LOGISTICS, LLC
PROPOSED INDUSTRIAL PARK AT 25 OLD MILL ROAD**
SECTION 55.22 BLOCK 1, LOT 1; SECTION 55.37, BLOCK 1, LOT 31
OLD MILL ROAD AND HEMION ROAD (CR 93)
VILLAGE OF SUFFERN, ROCKLAND COUNTY, NEW YORK

JOB No: 3709-99-004
DATE: 12/17/2021
SCALE: (H) NOT TO SCALE
SHEET No: 124 OF 132

DRAWN BY: UV
DESIGNED BY: JMS
CHECKED BY: JMS
CHECKED BY: ZAK

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Rev. # 5