

WAWA @ WAWA.COM
Order Plans

Proposed Layout

885 ST-12 StormTank Module (Minimum Spacing = 2.50 ft)
Estimated Overall Width = 1,508.57 ft
Estimated Overall Length = 175.70 ft
Estimated Storage Volume (Including Stone) = 3,257.73 cu ft
Notes: EXCLUDES STORAGE BELOW OUTLET INVERT OF 12.79

Material Quantities

8" PVC	1,130
12" 8" PVC	246
6" Canopy	4,520
Min. Finished Stone	14,400
12" Observation Port (Qty)	3

Elevations

Storm Invert	11.25
Module Invert	11.00
Top of Module	12.00
Top of Stone Backfill	13.00
Min. Finished Stone	14.00
Min. Finished Grade	22.00

NOTES

- REFERENCE BRENTWOOD INDUSTRIES STANDARD DRAWINGS AND NOTES FOR DETAILED INFORMATION.
- REFERENCE CURRENT INSTALLATION INSTRUCTIONS FOR PROPER INSTALLATION PRACTICES.
- MEMBERS OF RECORD TO COMPLY WITH ALL MANUFACTURER'S ALLOWABLE PROXIMITY TO OTHER STRUCTURES.
- ALL PIPING AND FITTINGS TO BE SUPPLIED BY OTHERS.
- SYSTEM HAS HEAVY LOAD RATING WITH THE SPECIFIED TOTAL COVER.

LEGEND

- 12" OBSERVATION PORT
- 3" (76.2 mm) ANGULAR STONE

STORMTANK LAYOUT DRAWINGS

***OBSERVATION WELL LIDS TO BE TRAFFIC RATED**

TYPICAL SINGLE STACK INFILTRATION BASIN CROSS-SECTION

OBSERVATION PORT INSTALLATION DETAIL

SINGLE STACK SURFACE GRATE PORT DETAIL

MODULE DETAIL

DESCRIPTION	HEIGHT (in. / mm)	CAPACITY (cu. ft. / cu. m)	WEIGHT (lb. / kg)
ST-12	12 (305)	4.2 (0.12)	92 (41.8)

NOTES

- STORMTANK MODULES TO BE INSTALLED ALONG SYSTEM PERIMETER (UNLESS OTHERWISE SPECIFIED).
- MEMBERS OF RECORD TO VERIFY ALL CONNECTIONS AND CONNECTIONS TO BE MADE TO THE SYSTEM.

SMALL DIAMETER (14" AND SMALLER) PIPE CONNECTION DETAIL

NOTES

- REMOVE SIDE PANELS FROM MODULES AND CUT OPENING.
- REMOVE SIDE PANELS FROM MODULES AND CUT OPENING.
- REMOVE SIDE PANELS FROM MODULES AND CUT OPENING.
- REMOVE SIDE PANELS FROM MODULES AND CUT OPENING.

GENERAL CONDITIONS

- REVIEW ALL CONTRACT DOCUMENTS AND COORDINATE THE INSTALLATION WITH OTHER CONTRACTORS.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS.

1.0 STORMTANK ASSEMBLY

2.0 BASIN EXCAVATION

3.0 SUB-GRADE REQUIREMENTS

4.0 LEVELING BED INSTALLATION

5.0 STORMTANK MODULE PLACEMENT

6.0 SIDE BACKFILL

7.0 TOP BACKFILL (STONE)

8.0 SUITABLE COMPACTABLE FILL

NOTES

- REMOVE SIDE PANELS FROM MODULES AND CUT OPENING.
- REMOVE SIDE PANELS FROM MODULES AND CUT OPENING.
- REMOVE SIDE PANELS FROM MODULES AND CUT OPENING.
- REMOVE SIDE PANELS FROM MODULES AND CUT OPENING.

UNDERGROUND DETENTION DETAILS

WAWA AT NEWTOWN AND STONEY POINT PREPARED FOR WAWA

CITY OF NORFOLK VIRGINIA

SHEET NUMBER CG-501

DATE: 08/24/2018

SCALE: AS SHOWN

DESIGNED BY: LEV

DRAWN BY: LEV

CHECKED BY: JY

COMMONWEALTH OF VIRGINIA PROFESSIONAL ENGINEER RANDALL ROYAL Lic. No. 14950 8/24/18

Kimley»Horn

© 2018 KIMLEY-HORN AND ASSOCIATES, INC.
1700 WELLOW LAWN DR., SUITE 200, RICHMOND, VA 23220
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

REVISIONS

No.	DATE	REVISIONS

DATE: 08/24/2018

SCALE: AS SHOWN

DESIGNED BY: LEV

DRAWN BY: LEV

CHECKED BY: JY

COMMONWEALTH OF VIRGINIA PROFESSIONAL ENGINEER RANDALL ROYAL Lic. No. 14950 8/24/18