



MODULAR CONCRETE
STORMWATER MANAGEMENT

PAGE	DESCRIPTION
0.0	COVER SHEET
1.0	SINGLETRAP DESIGN CRITERIA
2.0	SINGLETRAP INSTALLATION SPECIFICATIONS
3.0	SINGLETRAP LAYOUT DETAILS
4.0	SINGLETRAP BACKFILL SPECIFICATIONS
5.0	SINGLETRAP BACKFILL DETAILS
6.0	SPRASH PAD & GROWER DETAILS
7.0	SINGLETRAP MODULE FITS

StormTrap
1287 WINDHAM PARKWAY
DUNEDIN, FL 33619
PHONE: (813) 984-1234

ENGINEER INFORMATION:
AEC SERVICES
1616 ALLISON WOODS LN
TAMPA, FL 33619
PHONE: (813) 694-1234

PROJECT INFORMATION:
BP
CLEARWATER, FL
CURRENT ISSUE DATE:
8/14/2018
ISSUED FOR:
PRELIMINARY
REV. DATE ISSUED FOR: DRAWN BY:
DATE: ISSUED FOR: DRAWN BY:
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DATE: ISSUED FOR: DRAWN BY:
SCALE:
N/A
SHEET TITLE:
COVER SHEET
SHEET NUMBER:
0.0

STRUCTURAL DESIGN LOADING CRITERIA
LINE LOCATION: ASHLEY RD TO HIGHWAY 408
GROUND WATER TABLE: BELOW INVERT OF SYSTEM
SOIL BEARING CAPACITY: 4000 PSF
SOIL COEFFICIENT: 120 PCF
EQUIVALENT UNSATURATED LATERAL ACTIVE EARTH PRESSURE: 35 PSF / FT
EQUIVALENT SATURATED LATERAL ACTIVE EARTH PRESSURE: 60 PSF / FT (IF WATER TABLE PRESENT)
MINIMUM COVER: 18" MIN
BACKFILL TYPE: 2" STONE AGGREGATE

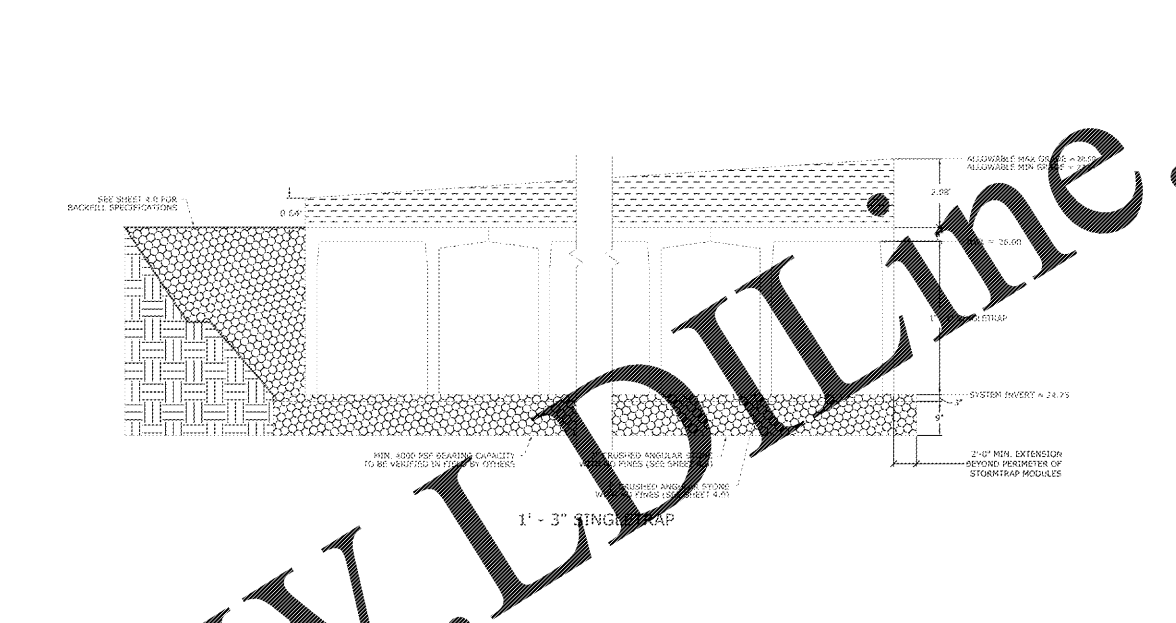
STORMTRAP SYSTEM INFORMATION
WATER STORAGE REQ'D: 1,000.00 CUBIC FEET
WATER STORAGE PROVIDED: 2,181.00 CUBIC FEET
UNIT HEADROOM: 1' - 2" SINGLETRAP
UNIT QUANTITY: 60 TOTAL PIECES

SITE SPECIFIC DESIGN CRITERIA
1. STORMTRAP UNITS SHALL BE MANUFACTURED AND INSTALLED ACCORDING TO SHOP DRAWINGS APPROVED BY THE INSTALLING CONTRACTOR. ALL DIMENSIONS AND LOCATIONS SHALL BE AS SHOWN. THE SHOP DRAWINGS SHALL INDICATE SIZE AND LOCATION OF EACH UNITS AND FACTY OFFSET FOR TRENCH, CURBS, VERTICAL CURBS AND SOLE OF CONCRETE.
2. COVER RANGE: MIN. 6" MAX. 2" OF CONSULT STORMTRAP FOR ADDITIONAL COVER OPTIONS.
3. ALL DIMENSIONS AND SOIL CONDITIONS, INCLUDING BUT NOT LIMITED TO INUNDATION AND SOIL BEARING CAPACITY ARE ASSUMED TO BE VERIFIED BY THE USER OF THIS SYSTEM. CONTACT STORMTRAP FOR ADDITIONAL INFORMATION.
4. FOR STRUCTURAL CALCULATIONS THE GROUND WATER TABLE IS ASSUMED TO BE BELOW INVERT OF SYSTEM. IF WATER TABLE IS DIFFERENT THAN ASSUMED, CONTACT STORMTRAP.

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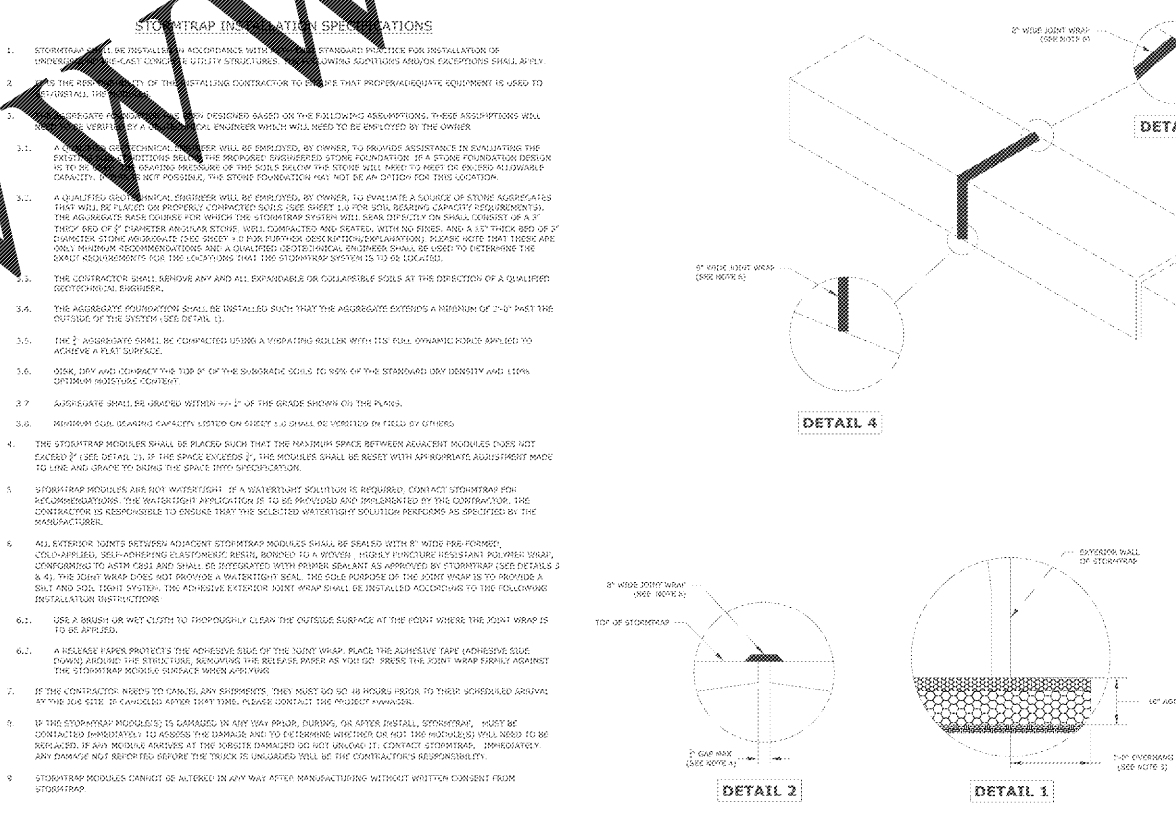
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SINGLETRAP LAYOUT DETAILS
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SINGLETRAP INSTALLATION SPECIFICATIONS
SHEET NUMBER:
3.0

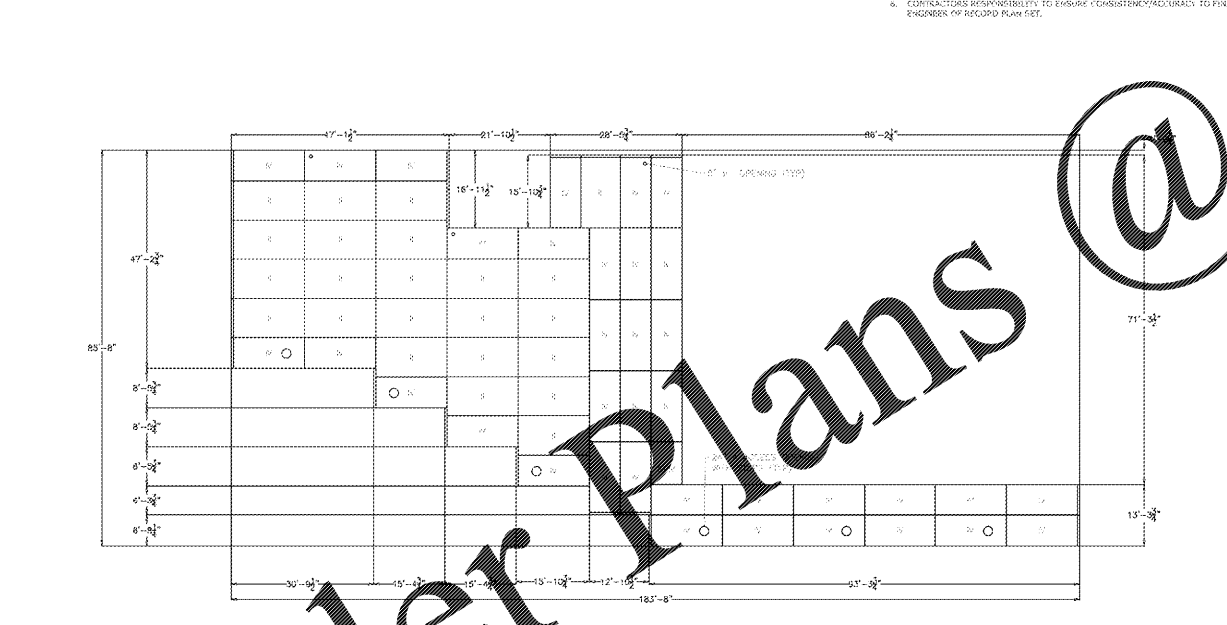
BILL OF MATERIALS

ITEM	DESCRIPTION	QUANTITY
1	1' x 3' SINGLETRAP	60
2	2" STONE AGGREGATE	1200
3	1' x 3' SINGLETRAP	10
4	1' x 3' SINGLETRAP	10
5	1' x 3' SINGLETRAP	10
6	1' x 3' SINGLETRAP	10
7	1' x 3' SINGLETRAP	10
8	1' x 3' SINGLETRAP	10
9	1' x 3' SINGLETRAP	10
10	1' x 3' SINGLETRAP	10
11	1' x 3' SINGLETRAP	10
12	1' x 3' SINGLETRAP	10
13	1' x 3' SINGLETRAP	10
14	1' x 3' SINGLETRAP	10
15	1' x 3' SINGLETRAP	10
16	1' x 3' SINGLETRAP	10
17	1' x 3' SINGLETRAP	10
18	1' x 3' SINGLETRAP	10
19	1' x 3' SINGLETRAP	10
20	1' x 3' SINGLETRAP	10

LOADING DISCLAIMER:
STORMTRAP IS NOT DESIGNED TO ACCEPT ANY ADDITIONAL LOADINGS FROM NEARBY STRUCTURES NEXT TO OR OVER THE TOP OF STORMTRAP. IF ADDITIONAL LOADINGS CONSIDERATIONS ARE REQUIRED FOR STRUCTURAL DESIGN OF STORMTRAP, PLEASE CONTACT STORMTRAP IMMEDIATELY.

DESIGN CRITERIA
ALLOWED WORK SPACE = 30.00
ALLOWABLE MAX GRADE = 2.34
MINOR REPAIR ELEVATION = 30.30
STREET INVERT = 34.27
STORMTRAP VOLUME = 9,231.00 C.F.

NOTES:
1. DIMENSIONS OF STORMTRAP SYSTEM SHOWN BELOW ALLOW FOR A 3/4" GAP BETWEEN EACH MODULE.
2. ALL DIMENSIONS TO BE VERIFIED IN THE FIELD BY OTHERS.
3. SEE SHEET 3.0 FOR INSTALLATION SPECIFICATIONS.
4. SP - INDICATES A MODULE WITH MODIFICATIONS.
5. F - INDICATES A MODULE WITH A FURROW ATTACHMENT.
6. CONTRACTOR RESPONSIBILITY TO ENSURE CONSISTENCY OF BACKFILL TO FINAL ENGINEER OF RECORD PLAN SET.



Order Plans @

Customer:
BP STATION
3009 GULF TO BAY BLVD
CLEARWATER, FL 34619

Site Address:
BP STATION
3009 GULF TO BAY BLVD
CLEARWATER, FL 34619

ENGINEER OF RECORD:
AEC Services, Inc.
RON FAIR, P.E.
FL # 50738 License No. 9277 QB #0011445

1616 ALLISON WOODS LANE
TAMPA, FL 33619
(813) 694-1234
www.aecservicesinc.com

NO.	DESCRIPTION	DATE	CHECKED BY	APPROVAL	DATE
1	REVISIONS				

STORMTRAP DETAILS

C-4.3

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