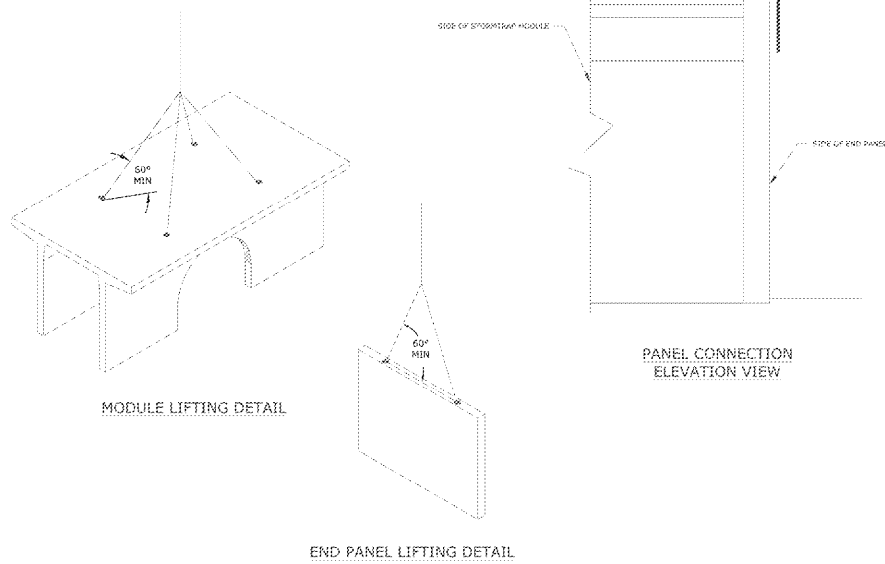


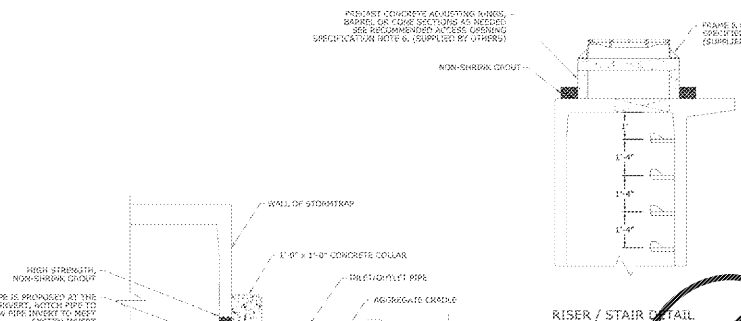
END PANEL ERECTION/INSTALLATION NOTES

1. END PANELS WILL BE SHIPPED TO CLOSE OFF OPEN ENDS OF ROWS.
2. PANELS SHALL BE INSTALLED ON A FILL UP POSITION DIRECTLY ADJACENT TO OPEN END OF MODULE (REFER TO SHEET 2.0 FOR END PANEL LOCATIONS).
3. CONNECTION MEANS WILL BE SHIPPED WITH END PANELS TO SIMPLY CONNECT PANEL TO ADJACENT STORMTRAP MODULE (SEE PANEL CONNECTION ELEVATION VIEW).
4. ONCE CONNECTION HAS BEEN ATTACHED, LIFTING CLUTCHES MAY BE REMOVED.
5. JOINT TRAP SHALL BE PLACED BEFORE PERFORMING JOINT PANEL (SEE SHEET 2.0).



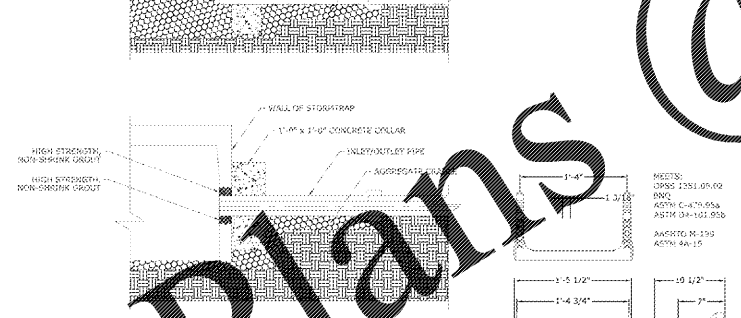
RECOMMENDED ACCESS OPENING SPECIFICATION

1. A TYPICAL ACCESS OPENING FOR THE STORMTRAP SYSTEM IS 2'-0" IN WIDTH AND ACCESS OPENINGS LONGER THAN 3'-0" IN LENGTH SHALL BE SPANNED BY STORMTRAP. ALL OPENINGS MUST BE AT LEAST 1'-0" OF CLEARANCE FROM THE END OF THE STORMTRAP MODULE UNLESS NOTED OTHERWISE. ALL ACCESS OPENINGS TO BE LOCATED ON THE INSIDE UNLESS OTHERWISE SPECIFIED.
2. ALL ACCESS OPENINGS SHALL BE PROVIDED BY M.A. INDUSTRIES WITH APPROVED APPROVED EQUALS (SEE STEP DETAIL) AND PROVISIONS FOR MODULE BEING DISASSEMBLED. THE MINIMUM STEP IN THE MODULE IS TO BE PLACED A MINIMUM OF 1'-0" FROM THE INSIDE EDGE OF THE STORMTRAP MODULE. ALL ENDING STEPS SHALL BE PLACED WITH A MAXIMUM DISTANCE OF 1'-4" BETWEEN THEM. STEPS MAY BE REMOVED OR ALTERED TO MATCH OPENINGS OR OTHER REQUIREMENTS IN THE MODULE.
3. STORMTRAP LIFTING UNITS MAY BE RELOCATED TO AVOID INTERFERENCE WITH ACCESS OPENINGS ON THE CENTER OF GRAVITY OF THE MODULE AS NEEDED.
4. STORMTRAP ACCESS OPENINGS MAY BE RELOCATED TO AVOID INTERFERENCE WITH EXISTING AND/OR EXISTING PIPE OPENINGS SO LONG AS THE FOLLOWING IS APPLICABLE:
5. ALL ACCESS OPENINGS SHOULD BE LOCATED IN ORDER TO MEET THE APPROVED SPECIFICATION RECOMMENDATIONS. STORMTRAP ACCESS OPENINGS AT LEAST ONE ACCESS OPENING PER SYSTEM FOR ACCESS AND INSPECTION.
6. USE BRACKET ADJUSTING AIDS AS NEEDED TO MEET GRADE. STORMTRAP RECOMMENDATIONS FOR COVER OVER 1" TO USE 1" RADIUS BARRIS, OR COVER INSPECTORS (PROVIDED BY OTHERS).



RECOMMENDED PIPE OPENING SPECIFICATION

1. MINIMUM EDGE DISTANCE FOR AN OPENING ON THE OUTSIDE WALL SHALL BE NOT LESS THAN 1'-0".
2. MAXIMUM OPENING SIZE TO BE DETERMINED BY THE MODULE HEIGHT. REINFORCED OPENINGS SHALL BE 18" OR LESS AND EXISTING MODULES SHALL NOT BE AT THIS CENTERLINE SHALL BE BROUGHT TO THE ATTENTION OF STORMTRAP FOR REVIEW.
3. CONNECTIONS PIPES SHALL BE INSTALLED WITH A 1"-0" CONCRETE COLLAR, AND AN AGGREGATE CRADLE FOR AT LEAST ONE PIPE LENGTH (SEE PIPE CONNECTION DETAIL). A STRUCTURAL GRADE CONCRETE OR HIGH STRENGTH NON-SHINK GROUT WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI SHALL BE USED.
4. THE ANCHORS SPACING BETWEEN THE SORE AND THE MODULE SHALL BE 3'-0" WITH 3000 STRENGTH NON-SHINK GROUT.



RECOMMENDED PIPE INSTALLATION INSTRUCTIONS

1. CLEAN AND LIGHTLY LUBRICATE ALL OF THE PIPE TO BE INSERTED INTO STORMTRAP.
2. TO THE IN CUT, CARE SHOULD BE TAKEN TO ALLOW FOR SHARP EDGES, BEVEL AND CHAMFERED LEAD ENDS OF PIPES.
3. ALIGN CENTER OF PIPE TO CORRECT ELEVATION AND JOINT OPENING.

NOTE: ALL AUXILIARY PRODUCTS/SPECIFICATIONS RECOMMENDED AND SHOWN ON THIS SHEET ARE RECOMMENDATIONS ONLY AND SUBJECT TO CHANGE PER THE APPLICABLE CONTRACTOR AND/OR PER LOCAL MUNICIPAL CODE REQUIREMENTS.

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SCALE:
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SHEET TITLE:
SINGLETAP INSTALLATION SPECIFICATIONS

SHEET NUMBER:
3.1

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SINGLETAP BACKFILL SPECIFICATIONS

SHEET NUMBER:
4.0

ZONE CHART

ZONE	ZONE DESCRIPTIONS	REMARKS
ZONE 1.A	FOUNDATION AGGREGATE	PK (2) STORM AGGREGATE (SEE NOTE 4 FOR DESCRIPTION)
ZONE 1.B	FOUNDATION AGGREGATE	PK (2) STORM AGGREGATE (SEE NOTE 5 FOR DESCRIPTION)
ZONE 2	BACKFILL	PK (2) STORM AGGREGATE (SEE NOTE 4 FOR DESCRIPTION)
ZONE 3	FINAL DRAIN AGGREGATE	PK (2) STORM AGGREGATE (SEE NOTE 4 FOR DESCRIPTION)

FILL DEPTH/TRACK WIDTH

TRACK WIDTH	FILL DEPTH
18"	12" MIN
24"	12" MIN
30"	12" MIN

STORMTRAP ZONE INSTALLATION SPECIFICATIONS/PROCEDURES

1. THE FILL PRACTICE AND/OR THE STORMTRAP PRODUCTS MUST BE PROVIDED THE SAME AS THE SAME TIME AND TO APPROXIMATELY THE SAME ELEVATION AS THE SAME. THE FILL SHOULD BE EITHER BE MORE THAN 2'-0" DEEPER THAN THE FILL ON THE OPPOSITE SIDE. BACKFILL SHALL EITHER BE COMPACTED AND/OR TAMPED TO EXCEED THE BACKFILL AGGREGATE/STRENGTH MATERIAL TO BE USED. EXISTING AND/OR EXISTING WORK SHALL BE 18" TO 24" DEEPER AND UNLESS OTHERWISE NOTED, ALL SOLES WITHIN THE AREA TO BE BACKFILLED MUST BE EITHER OR PARALLEL TO THE STORMTRAP SYSTEM. USE SHALL ALSO BE TAKEN AS NOT TO EXCEED THE MAXIMUM TRAP FROM THE SOLE SURFACE TO THE WALL. EXISTING MATERIAL SHALL BE CLEAN, CRUSHED, AND/OR AS AGGREGATE. IF NATIVE SAND IS SUSCEPTIBLE TO HIGH WATER, CORRECT WITH GEOTECHNICAL ENGINEER AND PROPOSE PROTECTION AS REQUIRED (SPECIFIED BY OTHERS).
2. INITIAL PLACEMENT OF MATERIAL OUTSIDE THE SYSTEM, AT NO TIME SHALL BE MORE THAN 4" DEEP. MATERIAL SHALL BE PLACED SUCH THAT THE CORNER OF PLACEMENT IS PARALLEL WITH THE WALL. CORNERING, LOCATION OF THE SYSTEM UNLESS OTHERWISE SPECIFIED.
3. THE FILL PLACED OUTSIDE THE SYSTEM SHALL BE PLACED AT A MINIMUM OF 1' LEFTS. AT NO TIME SHALL BE MORE THAN 4" DEEP. MATERIAL SHALL BE PLACED SUCH THAT THE CORNER OF PLACEMENT IS PARALLEL WITH THE WALL. CORNERING, LOCATION OF THE SYSTEM UNLESS OTHERWISE SPECIFIED.
4. FREE DRIVING AGGREGATE - THIS AGGREGATE OBTAINED ON 1" STEVE MAJORITY OF AGGREGATE SIZE BETWEEN 2" AND 1" ONLY 5% OF MATERIAL BEING 3" SIZES.
5. FREE DRIVING AGGREGATE - THIS AGGREGATE OBTAINED ON 1" STEVE MAJORITY OF AGGREGATE SIZE BETWEEN 2" AND 1" ONLY 5% OF MATERIAL BEING 3" SIZES.



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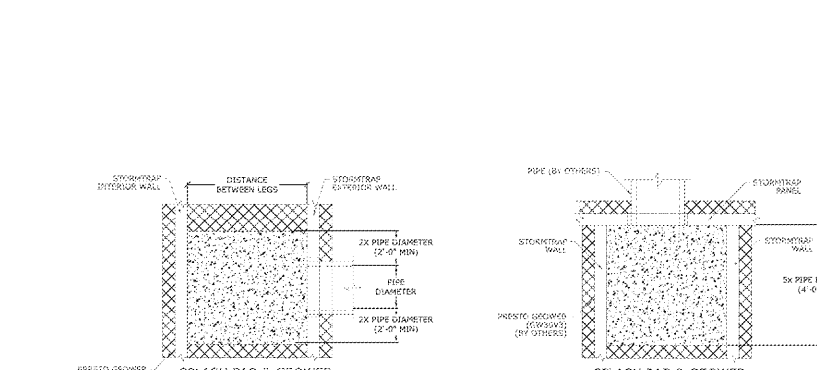
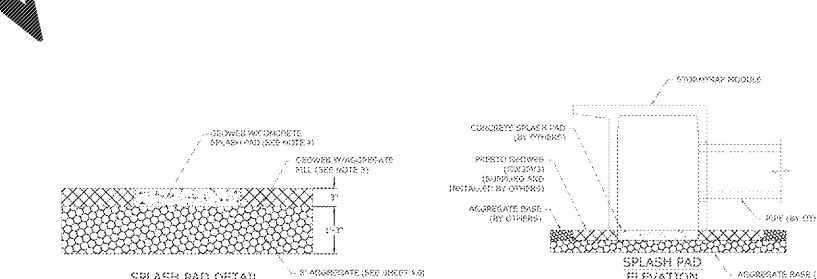
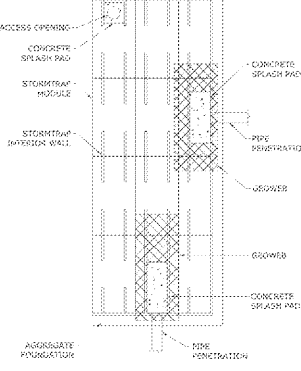
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RECOMMENDED PIPE / ACCESS OPENING SPECIFICATIONS

SHEET NUMBER:
5.0

- NOTES:**
1. THE APPROVED DESIGN SHALL BE PROVIDED THE SAME AS THE SAME TIME AND TO APPROXIMATELY THE SAME ELEVATION AS THE SAME. THE FILL SHOULD BE EITHER BE MORE THAN 2'-0" DEEPER THAN THE FILL ON THE OPPOSITE SIDE. BACKFILL SHALL EITHER BE COMPACTED AND/OR TAMPED TO EXCEED THE BACKFILL AGGREGATE/STRENGTH MATERIAL TO BE USED. EXISTING AND/OR EXISTING WORK SHALL BE 18" TO 24" DEEPER AND UNLESS OTHERWISE NOTED, ALL SOLES WITHIN THE AREA TO BE BACKFILLED MUST BE EITHER OR PARALLEL TO THE STORMTRAP SYSTEM. USE SHALL ALSO BE TAKEN AS NOT TO EXCEED THE MAXIMUM TRAP FROM THE SOLE SURFACE TO THE WALL. EXISTING MATERIAL SHALL BE CLEAN, CRUSHED, AND/OR AS AGGREGATE. IF NATIVE SAND IS SUSCEPTIBLE TO HIGH WATER, CORRECT WITH GEOTECHNICAL ENGINEER AND PROPOSE PROTECTION AS REQUIRED (SPECIFIED BY OTHERS).
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 5. FREE DRIVING AGGREGATE - THIS AGGREGATE OBTAINED ON 1" STEVE MAJORITY OF AGGREGATE SIZE BETWEEN 2" AND 1" ONLY 5% OF MATERIAL BEING 3" SIZES.
 6. THE CONCRETE SPLASH PAD IS REQUIRED AT ALL ACCESS OPENINGS. THE CONCRETE SPLASH PAD SHALL BE INSTALLED WITHIN THE STORMTRAP MODULE.
 7. THE CONCRETE SPLASH PAD IS REQUIRED AT ALL ACCESS OPENINGS. THE CONCRETE SPLASH PAD SHALL BE INSTALLED WITHIN THE STORMTRAP MODULE.
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 11. A CONCRETE SPLASH PAD IS REQUIRED AT ALL ACCESS OPENINGS. THE CONCRETE SPLASH PAD SHALL BE INSTALLED WITHIN THE STORMTRAP MODULE.
 12. ALL ACCESS AND SPLASH PADS TO BE SHIPPED AND INSTALLED BY CONTRACTOR.
 13. A CONCRETE SPLASH PAD IS REQUIRED AT ALL ACCESS OPENINGS. THE CONCRETE SPLASH PAD SHALL BE INSTALLED WITHIN THE STORMTRAP MODULE.
 14. ALL ACCESS AND SPLASH PADS TO BE SHIPPED AND INSTALLED BY CONTRACTOR.

SPLASH PAD CONFIGURATION



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SCALE:
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SHEET TITLE:
SPLASH PAD & GEOWEB DETAILS

SHEET NUMBER:
6.0

CUSTOMER:
BP STATION
3009 GULF TO BAY BLVD
CLEARWATER, FLORIDA 34619

SITE ADDRESS:
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CLEARWATER, FLORIDA 34619

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STORMTRAP DETAILS

C-4.4

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