



**ENCROACHMENT PERMIT**  
**Storm Drain Connection**  
 City of Riverside - Public Works Dept.  
 951-826-5341

Issuance of this permit shall not be construed as a waiver of any other applicable permit or requirement, and is only revocable permission to use the land for the purpose described.

**Owner:** STATE OF CALIF  
**Location:** 3044 HORACE ST RIVE  
**A.P.N.:** 235-140-010

**Encroachment:** Connect Private 15" S.D. to Back of Cathc Basin in Horace per Exhibit A

The above-described encroachment being shown on Exhibit A attached hereto.

Upon issuance of this permit, I agree to comply with the attached terms and conditions.

Date: 7/23/11

By: [Signature]

Date: \_\_\_\_\_

By: \_\_\_\_\_

**Applicant**

STATE OF CALIF  
 707 3RD STREET 4TH FLOOR CUBE 04-195  
 SACRAMENTO, CA  
 ATTN: S. RASHIDIAN 92605

**Contractor/Developer**

ENCROACHMENT PERMIT APPROVAL

This permit has been reviewed and approved by the Departments listed below provided the attached terms and conditions are adhered to:

- P/W ENGINEERING
- P/W TRAFFIC
- P/U WATER

FINAL APPROVAL

Date: 7/14/11

[Signature]  
 City Engineer

THIS PERMIT IS NOT VALID UNTIL ISSUED AND POSTED IN CITY RECORDS

Issued by: [Signature]

Dated: 7/23/2011



# City of Riverside

The following are requirements that need to be met for your permit #PW07-0399 .

- 1: Permittee acknowledges that the area of encroachment is owned or controlled by the City of Riverside.
- 2: Permittee acknowledges that the described property could be needed for a proposed or planned public improvement and the City may revoke this permit. Upon written notice of revocation, the permittee shall, within the time prescribed by the City, remove all improvements placed, constructed or maintained. If the permittee fails to abide by the removal order of the City, the City shall have the right to remove and destroy the improvements without reimbursement to the permittee. The cost of such removal shall be paid by the permittee to the City and shall constitute a debt owed to the City.
- 3: Permittee waives the right of claim, loss, damage or action against the City resulting from revocation, termination, removal of improvements or any action of the City, its officers, agents or employees taken in accordance with the terms herein.
- 4: If the Public Works Director of the City of Riverside finds that the permittee is in default of the terms of this permit, that shall be cause for revocation.
- 5: Permittee herewith agrees to hold the City of Riverside harmless from and against all claims demands, costs, losses, damages, injuries, actions for damages and/or injuries, and liability in connection with the construction, encroachment, and/or maintenance to be done by permittee within the described property.
- 6: Prior to any construction taking place on City controlled property, permittee shall obtain a Construction Permit or Street Opening Permit from the City Public Works Department.
- 7: The permittee agrees to insure that construction of their improvements will not interfere in any way with any existing City or utility facilities.
- 8: Permittee acknowledges that existing city or utility facilities will require future maintenance, reconstruction, and revisions and that facilities may be added, any of which may result in removal or alteration of the permittee's improvements without reimbursement to the permittee.
- 9: Prior to construction, permittee shall contact Underground Service Alert to field locate existing utility lines. Any conflicts discovered will void the permit until acceptable revisions are made. It shall be Permittee's responsibility to determine the location and required clearances from all public and private utility, sewer and drainage facilities prior to drilling and shall only drill in compliance with such clearance requirements.
- 10: All on-site catch basins and inlets must have a properly installed and maintained drainage water filtration system to Public Works Specifications.
- 11: Permittee acknowledges that there are existing public works and public utility facilities that may interfere with the proposed improvement. All existing utilities, sewers and storm drains must be field located (pot-holed) prior to installation of the proposed facilities.
- 12: Permittee acknowledges that all maintenance of the drain line between its connection with the line in the street and the right of way line is the responsibility of the permittee.

*E07-0399*

13: PERMITTEE WILL OBTAIN APPROVAL FROM PUBLIC WORKS INSPECTION AS TO TYPE OF CONNECTION REQUIRED.

*E07-0399*



CALIFORNIA  
DEPARTMENT OF  
EDUCATION

**TOM TORLAKSON**

STATE SUPERINTENDENT OF PUBLIC INSTRUCTION

July 18, 2011

City of Riverside  
Building and Safety Division, 3<sup>rd</sup> Floor  
3900 Main Street  
Riverside, CA 92522

Dear Building and Safety:

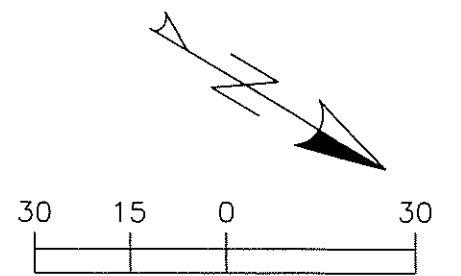
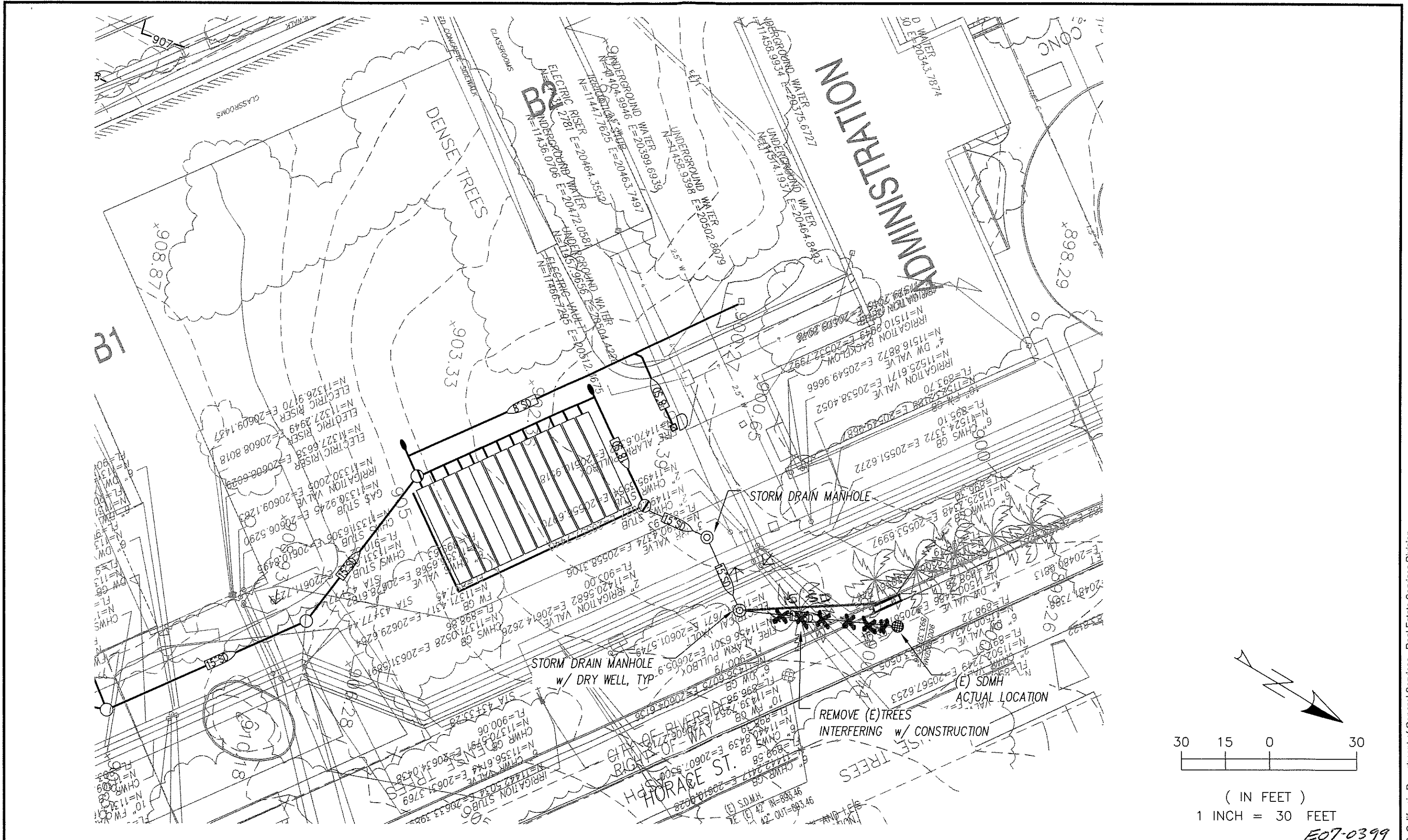
This letter is to authorize Mallcraft to act as an agent on behalf of the California School for the Deaf-Riverside, to sign for the encroachment and street opening permit. This permit is required for Mallcraft to tie in the school's storm drain piping on Horace Street.

Respectfully,

A handwritten signature in black ink, appearing to read "C. Allen Young".

C. Allen Young, Departmental Construction Maintenance Supervisor  
State Special Schools and Services Division.

CAY:lls

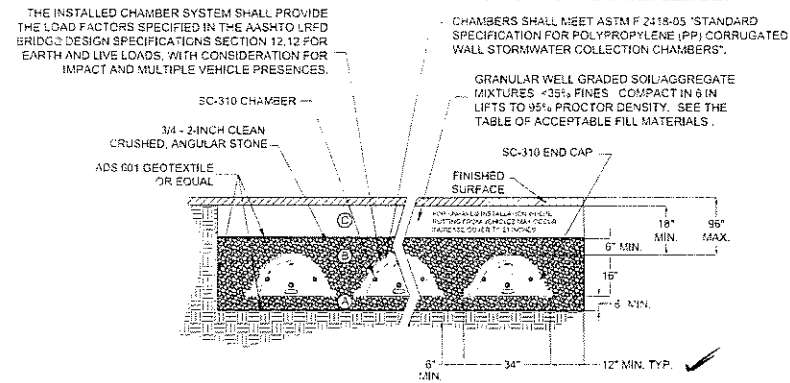


( IN FEET )  
1 INCH = 30 FEET

E07-0399

Date : 03/10/2011	Sheet Title UNDERGROUND UTILITIES LOCATION
PSB W.O. # : 118139B	Project DORMITORY AND APARTMENT REPLACEMENT
Contract # : 3121150	Department DEPARTMENT OF EDUCATION
Project Contact : ALONZO ARREOLA	Location CALIFORNIA SCHOOL FOR THE DEAF, 3044 HORACE STREET, RIVERSIDE, CALIFORNIA 92596

<p>Design Services Section</p>	<p>State of California Real Estate Services Division Professional Services Branch</p>	RFI No.
	<p>707 Third Street, Suite 4-105 West Sacramento, California 95605 Contact Phone No. (916) 376-1652</p>	422-A
	<p>Copyright © 2010, California Department of General Services - Real Estate Services Division</p>	



THE INSTALLED CHAMBER SYSTEM SHALL PROVIDE THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS SECTION 12.12 FOR EARTH AND LIVE LOADS WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.

CHAMBERS SHALL MEET ASTM F 2418-05 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".

GRANULAR WELL GRADED SOIL/AGGREGATE MIXTURES <math>\le 35\%</math> FINES COMPACT IN 8 IN LIFTS TO 95% PROCTOR DENSITY. SEE THE TABLE OF ACCEPTABLE FILL MATERIALS.

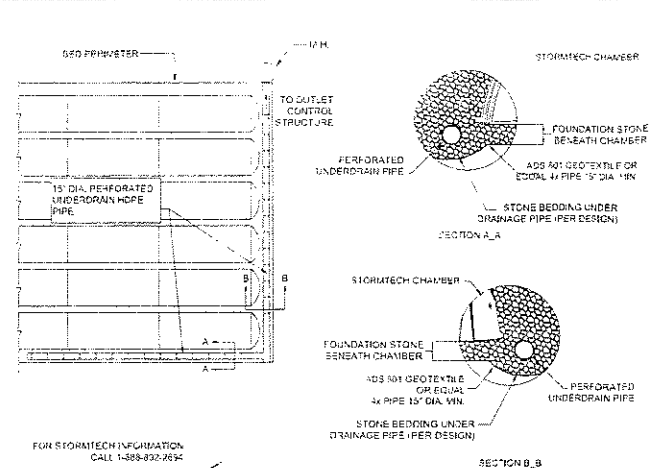
FINISHED SURFACE

18" MIN. 96" MAX.

6" MIN. 12" MIN. TYP.

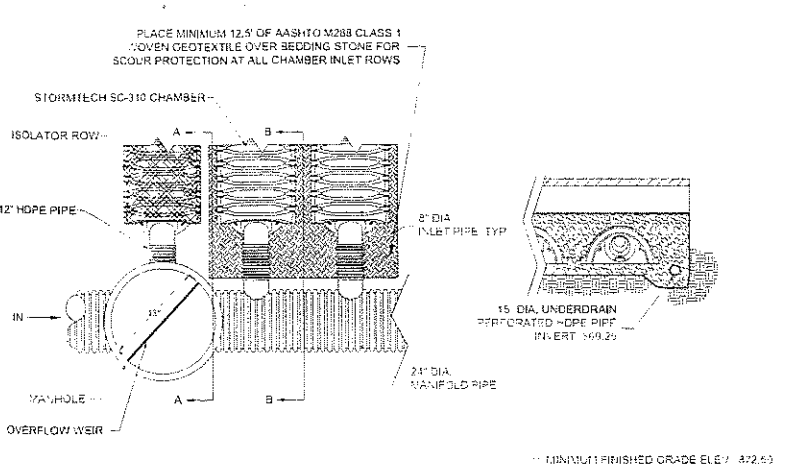
FOR STORMTECH INFORMATION CALL 1-888-892-2694

SEE STORMTECH DESIGN MANUAL

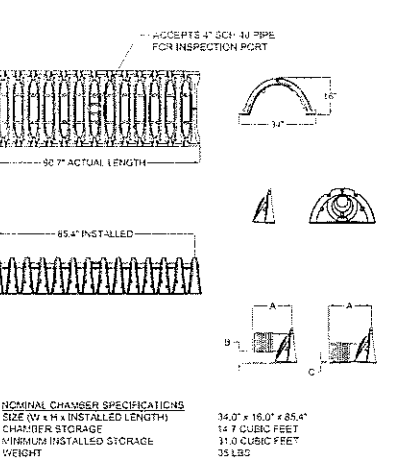


ST 2.0 STORMTECH UNDERDRAIN DETAIL

- NOTES:
- ALL DESIGN SPECIFICATIONS FOR STORMTECH CHAMBERS SHALL BE IN ACCORDANCE WITH THE STORMTECH DESIGN MANUAL.
  - THE INSTALLATION OF STORMTECH CHAMBERS SHALL BE IN ACCORDANCE WITH THE LATEST STORMTECH INSTALLATION INSTRUCTIONS.
  - THE CONTRACTOR IS ADVISED TO REVIEW AND UNDERSTAND THE INSTALLATION INSTRUCTIONS PRIOR TO BEGINNING SYSTEM INSTALLATION. CALL 1-888-892-2694 OR VISIT [WWW.STORMTECH.COM](http://WWW.STORMTECH.COM) TO RECEIVE A COPY OF THE LATEST STORMTECH INSTALLATION INSTRUCTIONS.
  - CHAMBERS SHALL MEET THE DESIGN REQUIREMENTS AND LOAD FACTORS SPECIFIED IN SECTION 12.12 OF THE LATEST EDITION OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.



ST 8.0 STORMTECH ELEVATIONS



ST 9.0 TECHNICAL DETAILS

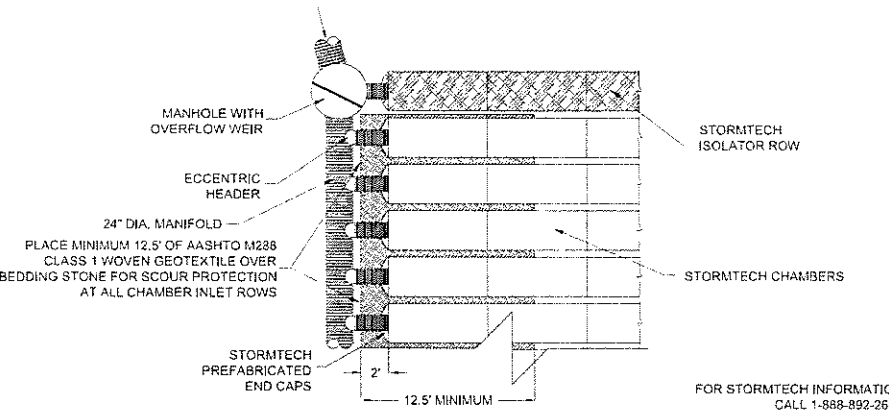
ST 1.0 SC-310 TYPICAL CROSS SECTION

ACCEPTABLE FILL MATERIALS STORMTECH SC-310 CHAMBER SYSTEMS

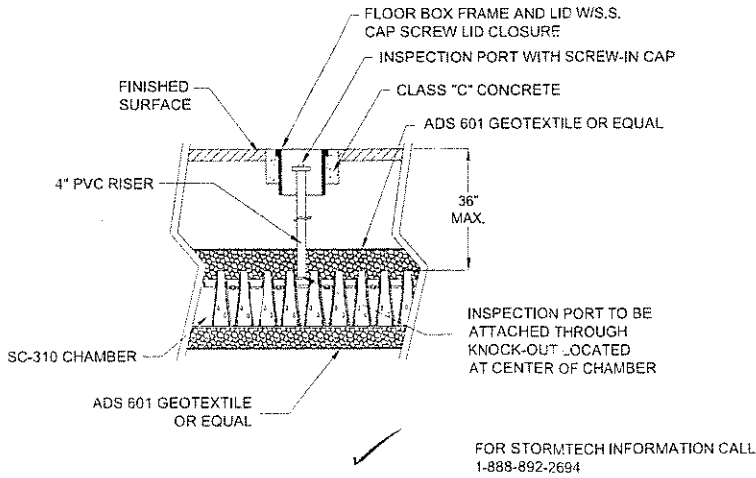
MATERIAL LOCATION	DESCRIPTION	AASHTO M43 DESIGNATION	AASHTO M45 DESIGNATION	COMPACTION DENSITY REQUIREMENT
FILL MATERIAL FROM 18" TO GRADE ABOVE CHAMBERS	ANY SOIL/ROCK MATERIALS, NATIVE SOILS OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	N/A	PREPARE PER ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
FILL MATERIAL FOR 6" TO 18" ELEVATION ABOVE CHAMBERS (24" FOR UNPAVED INSTALLATIONS)	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES. <math>\le 35\%</math> FINES	3, 357, 4, 467, 5, 59, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	A-1, A-2, A-3	COMPACT IN 8" LIFTS TO A MINIMUM 95% STANDARD PROCTOR DENSITY. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 LBS. DYNAMIC FORCE NOT TO EXCEED 20,000 LBS.
EMBEDMENT STONE SURROUNDING AND TO 4" ELEVATION ABOVE CHAMBERS	CLEAN ANGULAR STONE WITH THE MAJORITY OF PARTICLES BETWEEN 1/4" - 2" INCH	3, 367, 4, 467, 5, 58, 57	N/A	NO COMPACTION REQUIRED
FOUNDATION STONE BELOW CHAMBERS	CLEAN ANGULAR STONE WITH THE MAJORITY OF PARTICLES BETWEEN 1/4" - 2" INCH	3, 367, 4, 467, 5, 58, 57	N/A	PLATE COMPACT OR ROLL TO ACHIEVE A 95% STANDARD PROCTOR DENSITY

PLEASE NOTE: THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN CRUSHED ANGULAR. FOR EXAMPLE, THE STONE MUST BE SPECIFIED AS CLEAN, CRUSHED, ANGULAR NO. 4 STONE.

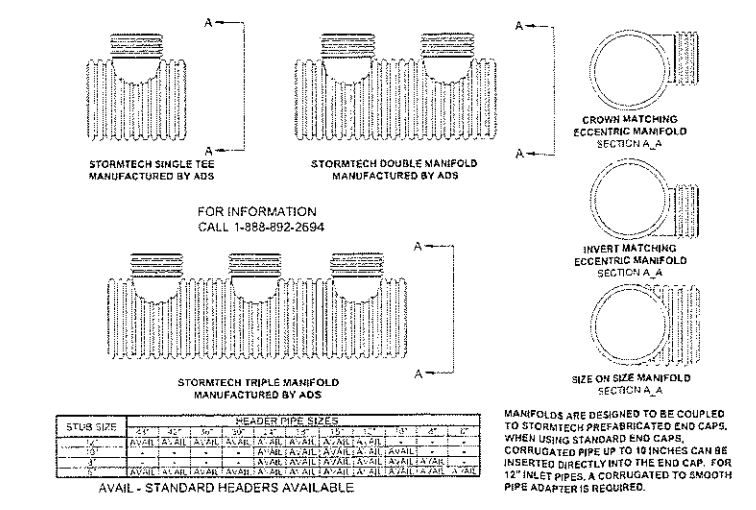
ST 3.0 STORMTECH ACCEPTABLE FILL MATERIALS



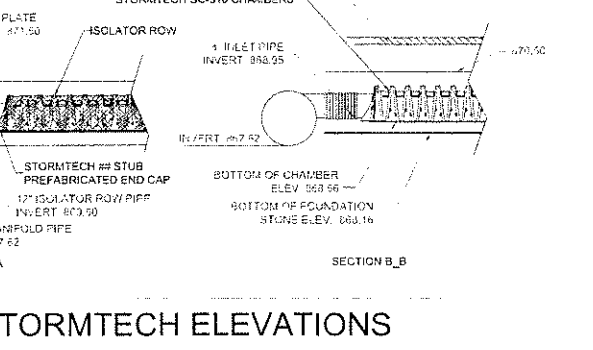
ST 4.0 STORMTECH ISOLATOR™ ROW MANIFOLD DETAIL



ST 5.0 STORMTECH INSPECTION PORT DETAIL



ST 7.0 ADS MANIFOLD DETAILS



ST 10.0 STORMTECH SC-310 CHAMBER LAYOUT

ST 6.0 STORMTECH ISOLATOR™ ROW DETAIL

CHAMBERS SHALL MEET THE DESIGN REQUIREMENTS AND LOAD FACTORS SPECIFIED IN SECTION 12.12 OF THE LATEST EDITION OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS LOADS SHALL BE CALCULATED IN ACCORDANCE WITH SECTION 3 AND SHALL INCLUDE H2O DESIGN TRUCK, IMPACT FACTOR, MULTIPLE PRESENCE, AND LANE LOAD.

**DGS**  
 Department of General Services  
 Design Services Section  
 State of California  
 Real Estate Services Division  
 Professional Management Branch  
 707 Third Street, Suite 4-105  
 West Sacramento, California 95605

PROJECT NAME  
 DORMITORY AND  
 APARTMENT REPLACEMENT  
 RIVERSIDE SCHOOL FOR THE DEAF

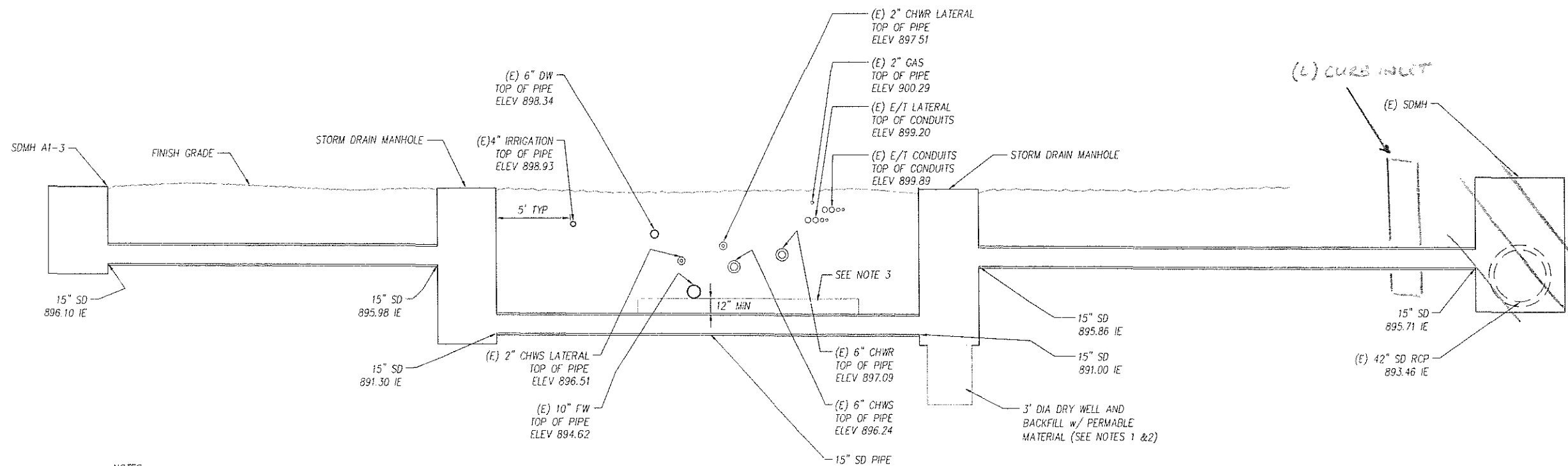
This drawing was prepared to support the design engineer for the proposed conversion. It is the ultimate responsibility of the design engineer to assure that the stormwater system's design is in full compliance with all applicable laws and regulations. It is the design engineer's responsibility to ensure that the StormTech products are designed in accordance with StormTech's minimum requirements. StormTech LLC does not approve plans, sizing, or system designs. This designing engineer is responsible for all design decisions.

REVISIONS	DATE

STORMTECH, LLC  
 20 BEAVER RD, SUITE 104  
 WETHERSFIELD, CT 06109  
 tel. 888-892-2694  
 fax 866-328-8401  
 WWW.STORMTECH.COM

DRAWING TITLE  
 W.O. NUMBER: 1181398  
 ENGINEER: WILLIAM BUTLER  
 RFI# 3 & 7  
**E07-0399**  
 STORMTECH SC-310  
 CHAMBER DETAIL SHEET

SAVED AS	CHECKED BY
DATE	DATE
SCALE AS SHOWN	DRAWING NO.
DATE 8-15-08	RFI 3 & 7
PROJECT NO. 1181398	RFI 3.2



**NOTES:**

1. DRILL HOLE, 3' DIAMETER x 4' LONG, THROUGH MANHOLE BOTTOM AND INTO SOIL. BACKFILL WITH PERMEABLE MATERIAL CLASS 1, TYPE B PER CALTRANS STANDARD SPECIFICATIONS SECTION 68-1.025.
2. PLACE FILTER FABRIC AROUND INSIDE OF HOLE. FABRIC SHALL CONFORM TO CALTRANS SPECIFICATIONS SECTION 88.
3. BACKFILL UNDER (E) UNDERGROUND UTILITIES WITH 3-SACK CEMENT SLURRY MIX

**ABBREVIATIONS:**

- CHWR CHILLED WATER RETURN (INSULATED)
- CHWS CHILLED WATER SUPPLY (INSULATED)
- DW DOMESTIC WATER
- ELEV ELEVATION
- E/T ELECTRICAL / TELECOMMUNICATION
- FW FIRE WATER
- IE INVERT ELEVATION
- SS SANITARY SEWER
- SSMH SANITARY SEWER MANHOLE
- w/ WITH

E07-0399

Date : 02/01/2011  
 PSB W.O. # : 118139B  
 Contract # : 3121150  
 Project Contact : ALONZO ARREOLA

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 Project DORMITORY AND APARTMENT REPLACEMENT  
 Department DEPARTMENT OF EDUCATION  
 Location CALIFORNIA SCHOOL FOR THE DEAF, 3044 HORACE STREET, RIVERSIDE, CALIFORNIA 92596



State of California  
 Real Estate Services Division  
 Professional Services Branch  
 707 Third Street, Suite 4-105  
 West Sacramento, California 95605  
 Contact Phone No. (916) 376-1652

RFI No.  
**422-B**

