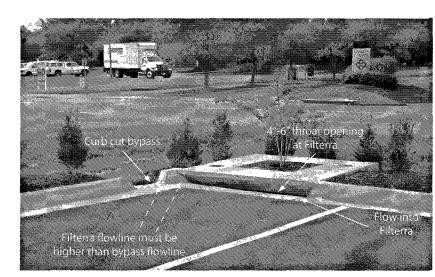
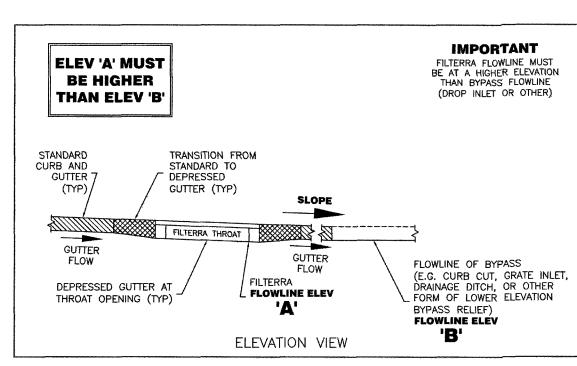
**Curb & Gutter Installation** Curb cut or grate inlet bypass





Questions ? Call Filterra: 1-866-349-3458

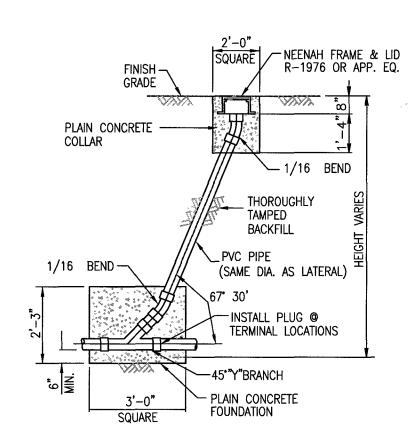
Filterra Standard Plan Notes

## Construction & Installation

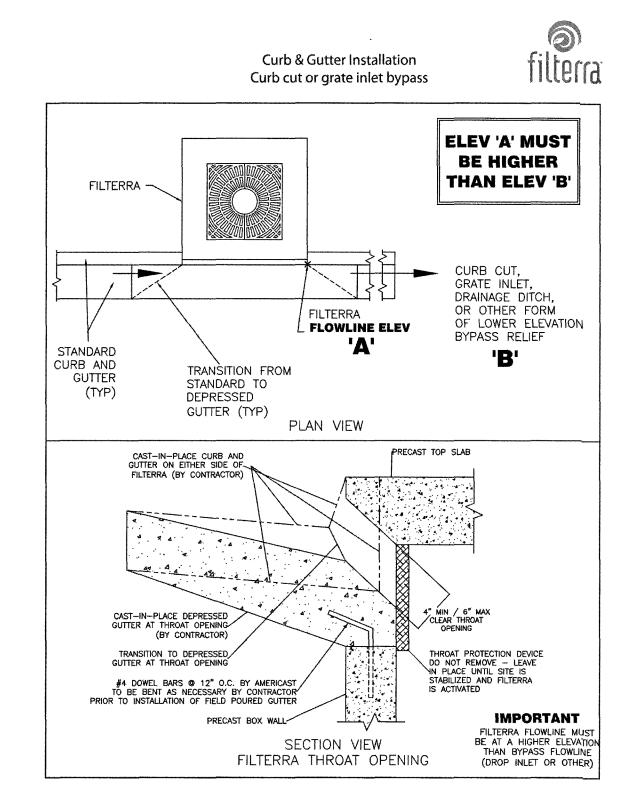
© 2007 Filterra

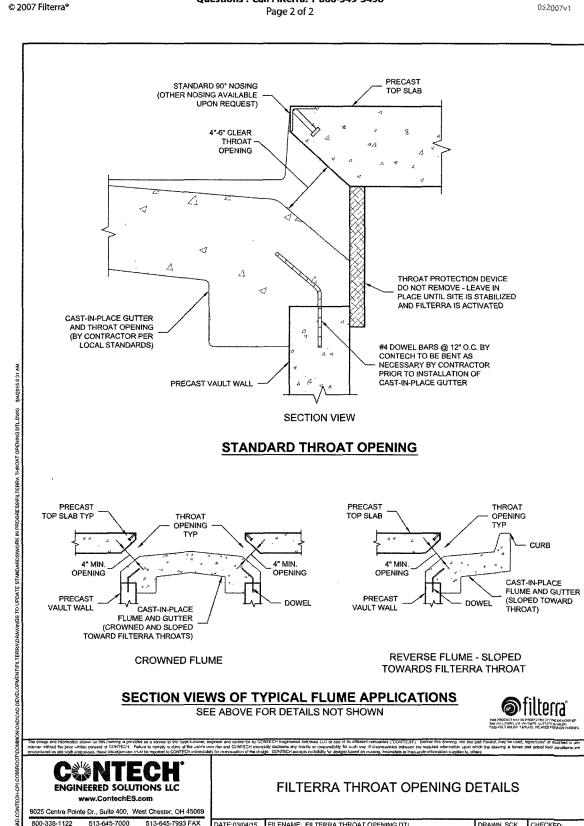
- A. Each unit shall be constructed at the locations and elevations according to the sizes shown on the approved drawings. Any modifications to the elevation or location shall be at the direction of and approved by the Engineer.
- B. If the Filterra® is stored before installation, the top slab must be placed on the box using the 2x4 wood provided, to prevent any contamination from the site. All interna fittings supplied (if any), must be left in place as per the delivery.
- C. The unit shall be placed on a compacted sub-grade with a minimum 6-inch gravel base matching the final grade of the curb line in the area of the unit. The unit is to be placed such that the unit and top slab match the grade of the curb in the area of the unit. Compact undisturbed sub-grade materials to 95% of maximum density at +1-2% of optimum moisture. Unsuitable material below sub-grade shall be replaced to the site engineer's approval.
- D. Outlet connections shall be aligned and sealed to meet the approved drawings with modifications necessary to meet site conditions and local regulations.
- E. Once the unit is set, the internal wooden forms and protective mesh cover must be left intact. Remove only the temporary wooden shipping blocks between the box and top slab. The top lid should be sealed onto the box section before backfilling, using a nonshrink grout, butyl rubber or similar waterproof seal. The boards on top of the lid and boards sealed in the unit's throat must **NOT** be removed. The Supplier (Americast or its authorized dealer) will remove these sections at the time of activation. Backfilling should be performed in a careful manner, bringing the appropriate fill material up in 6" lifts on all sides. Precast sections shall be set in a manner that will result in a watertight joint. In all instances, installation of Filterra® unit shall conform to ASTM specification C891 "Standard Practice for Installation of Underground Precast Utility Structures", unless directed otherwise in contract documents.
- F. Curb and gutter construction (where present) shall ensure that the flow-line of the Filterra® units is at a greater elevation than the flow-line of the bypass structure or relief (drop inlet, curb cut or similar). Failure to comply with this guideline may cause failure and/or damage to the Filterra® environmental device.
- G. Each Filterra® unit must receive adequate irrigation to ensure survival of the living system during periods of dricr weather. This may be achieved through a piped system, gutter flow or through the tree grate.

www.filterra.com



SEWER /STORM DRAIN CLEANOUT





ARCHITECT DRAWINGS

2'-0" MIN.

UNLESS NOTED -

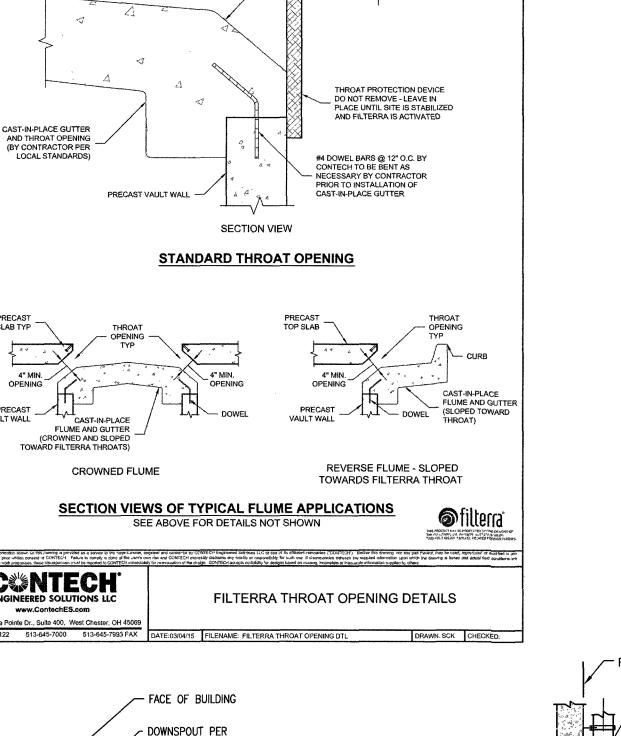
ON PLAN

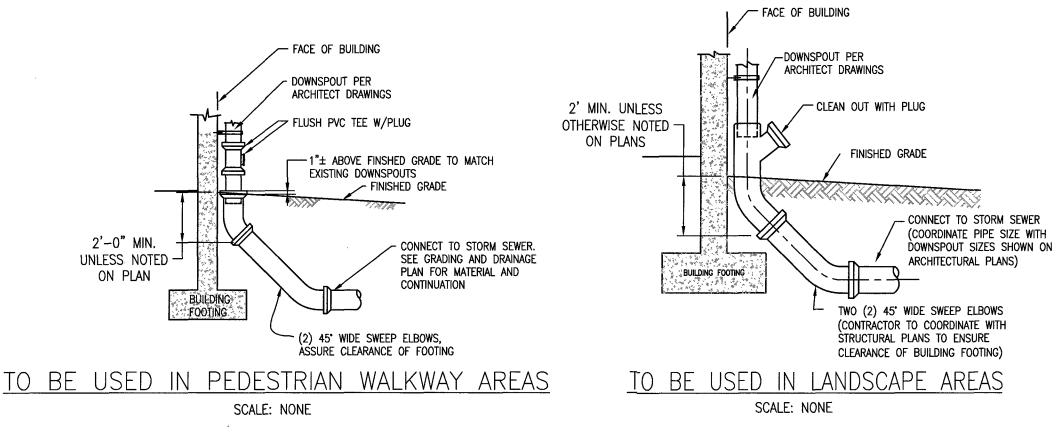
BUILDING FOOTING

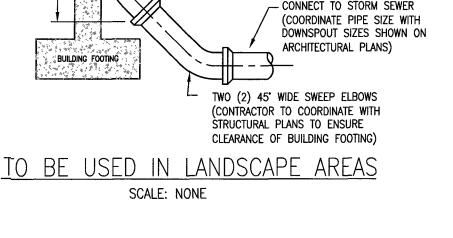
SCALE: NONE

TYPICAL DOWNSPOUT LEADERS

Questions ? Call Filterra: 1-866-349-3458







COUPLING -

CLEANOUT COVER CAST IN TOP SLAB

MULCH PROVIDED BY CONTECH-

6'-0"

12'-0"

REMOVE BENCHING, -

IF NECESSARY,

BEFORE DRILLING HOLE

PERFORATED UNDERDRAIN BY CONTECH-

UNDERDRAIN STONE PROVIDED BY CONTECH-

SECTION A-A

4'-0"

4'-0"

6'-0"

\* INTERNAL PIPING MAY VARY DEPENDING UPON INFLUENT LOCATION

\*\* SIZES SHOWN ARE FOR THE MID ATLANTIC AND MAY VARY ACROSS THE COUNTRY

LOCATIONS

4'-0" A, B, C, D 8" SDR-35 PVC

6'-0" A, B, C, D 8" SDR-35 PVC

PRECAST FILTERRA® UNIT **INTERNAL BYPASS - PIPE** 

STANDARD 8"

**EXISTING** 

MANHOLE STRUCTURE

- STAINLESS STEEL

EXPANDING BAND

SECTION

KOR-N SEAL FLEXIBLE RUBBER BOOT (MANUFACTURED BY NATIONAL POLLUTION CONTROL SYSTEMS, INC. OR AS

CUT, SHAPE AND SLOPE NEW INVERT CHANNEL IN THE EXISTING CONCRETE BENCH FOR SMOOTH FLOW FROM NEW

CLEAN EXISTING MANHOLE OF ANY DIRT, CONCRETE OR DEBRIS WHICH MAY ACCUMULATE DURING THE CONSTRUCTION

STORM/SANITARY SEWER CONNECTION

CORE-DRILL CIRCULAR OPENING IN MANHOLE WALL OF DIAMETER TO FIT THE REQUIRED BOOT SIZE.

APPROVED BY THE ENGINEERING DEPARTMENT) SHALL BE USED FOR WATERTIGHT CONNECTION.

TO EXISTING STRUCTURE

13'-0" 7'-0" A, B, C, D 8" SDR-35 PVC

A, B, C, D | 8" SDR-35 PVC

A, B, C, D | 8" SDR-35 PVC

A, B, C, D 8" SDR-35 PVC

A, B, C, D 8" SDR-35 PVC ROOF UNIT

PVC PIPE (BY

DESIGNATION

6 x 4

8 x 4

8 x 6

10 x 6

12 x 4

12 x 6

13 x 7

**C** NTECH

025 Centre Pointe Dr., Suite 400 West Chester, OH 450

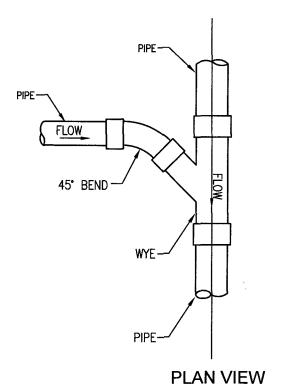
CONTRACTOR)

PLAN VIEW

PLANT AS SUPPLIED BY CONTECH

(BY CONTRACTOR)

(NOT SHOWN FOR CLARITY)

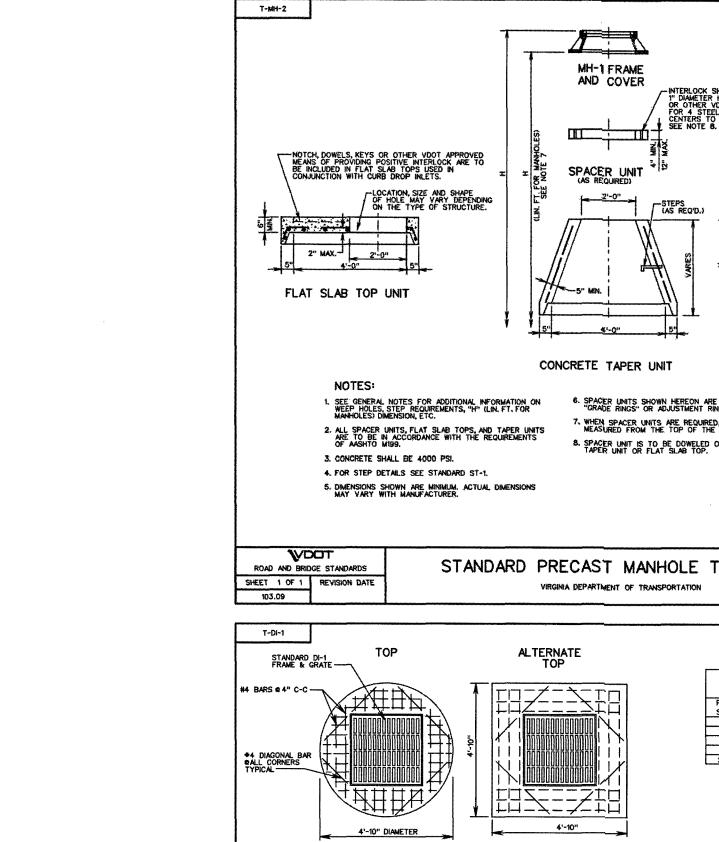


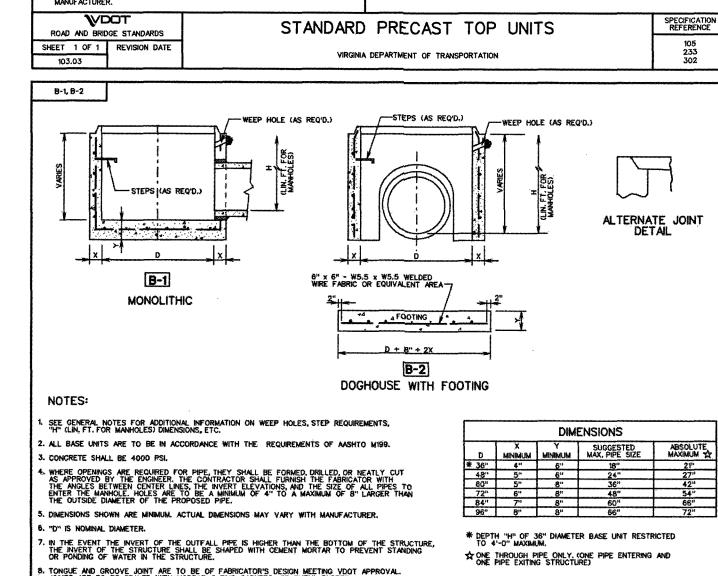
NTS

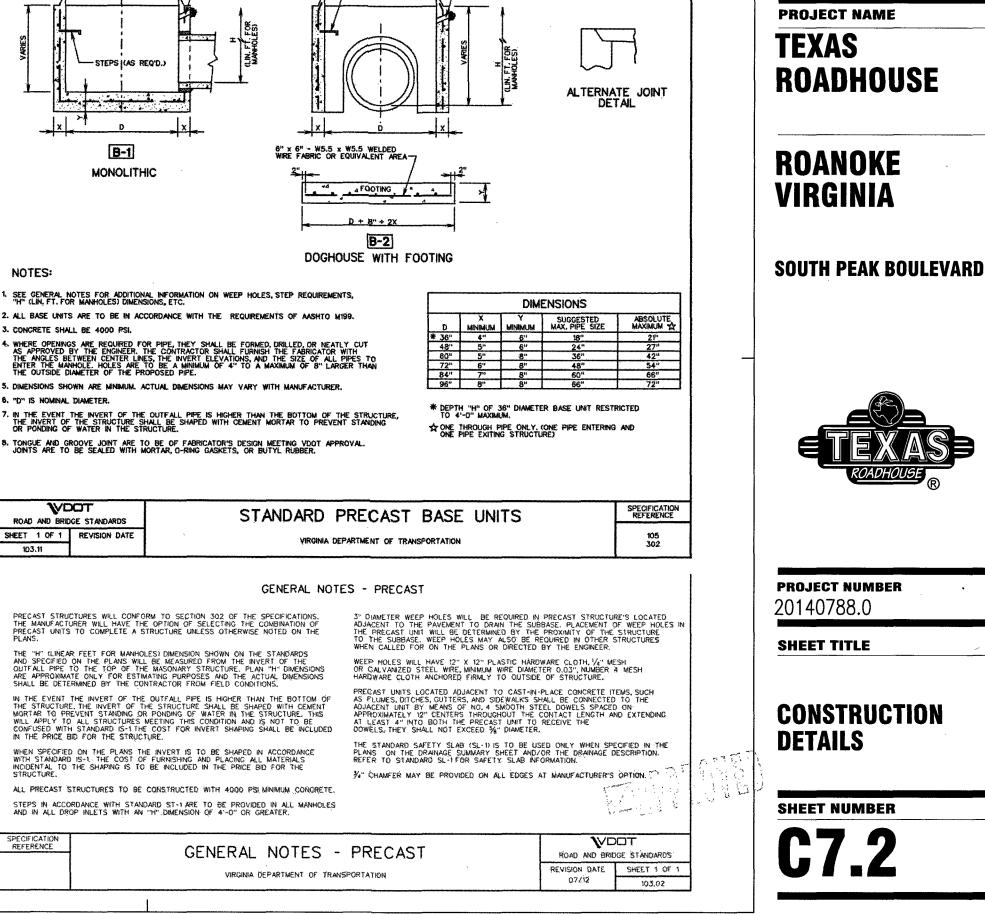
STAINLESS STEEL

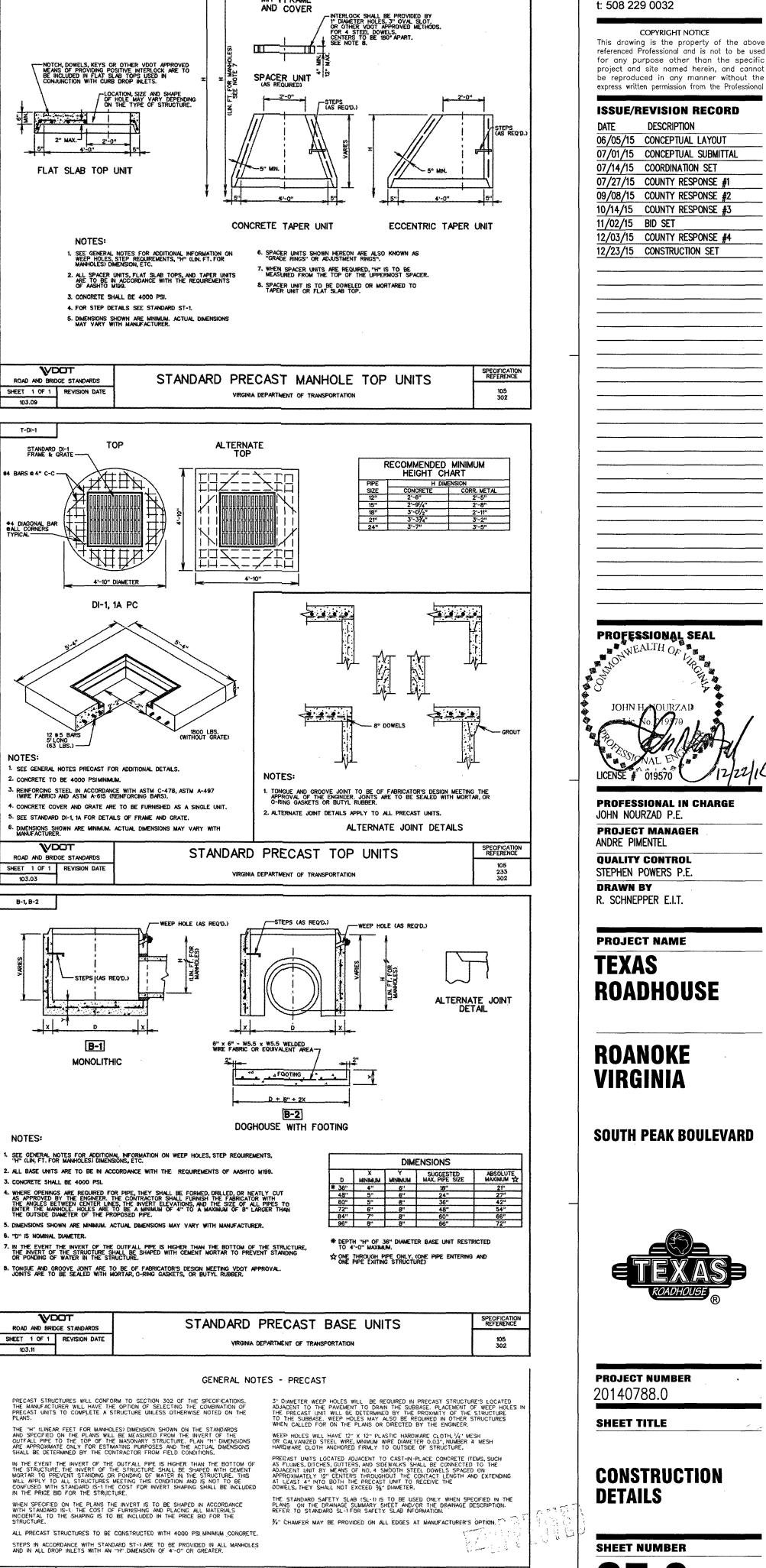
EXTERNAL BANDS

WYE CONNECTION DETAIL NTS









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DESCRIPTION