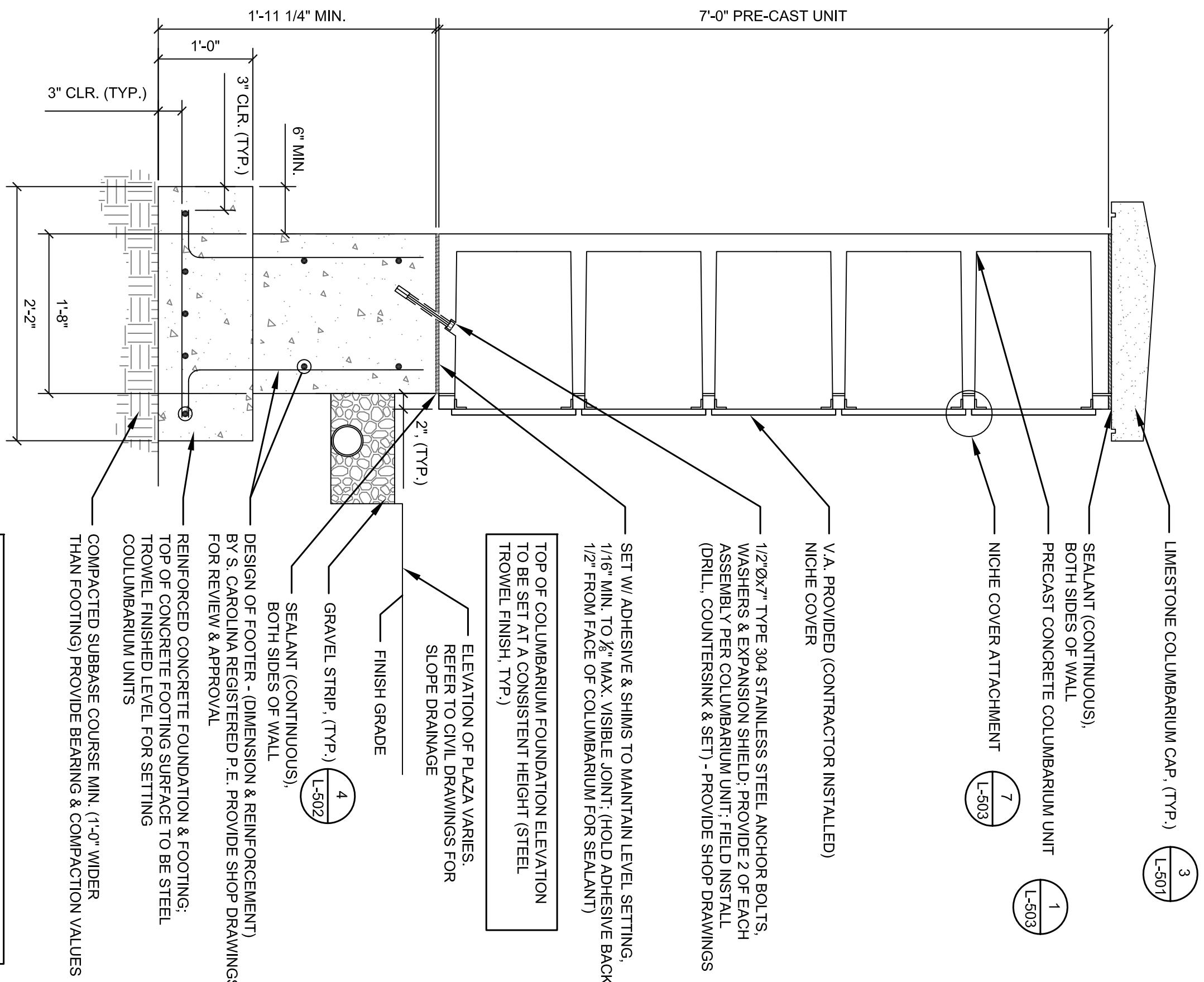


35% DESIGN

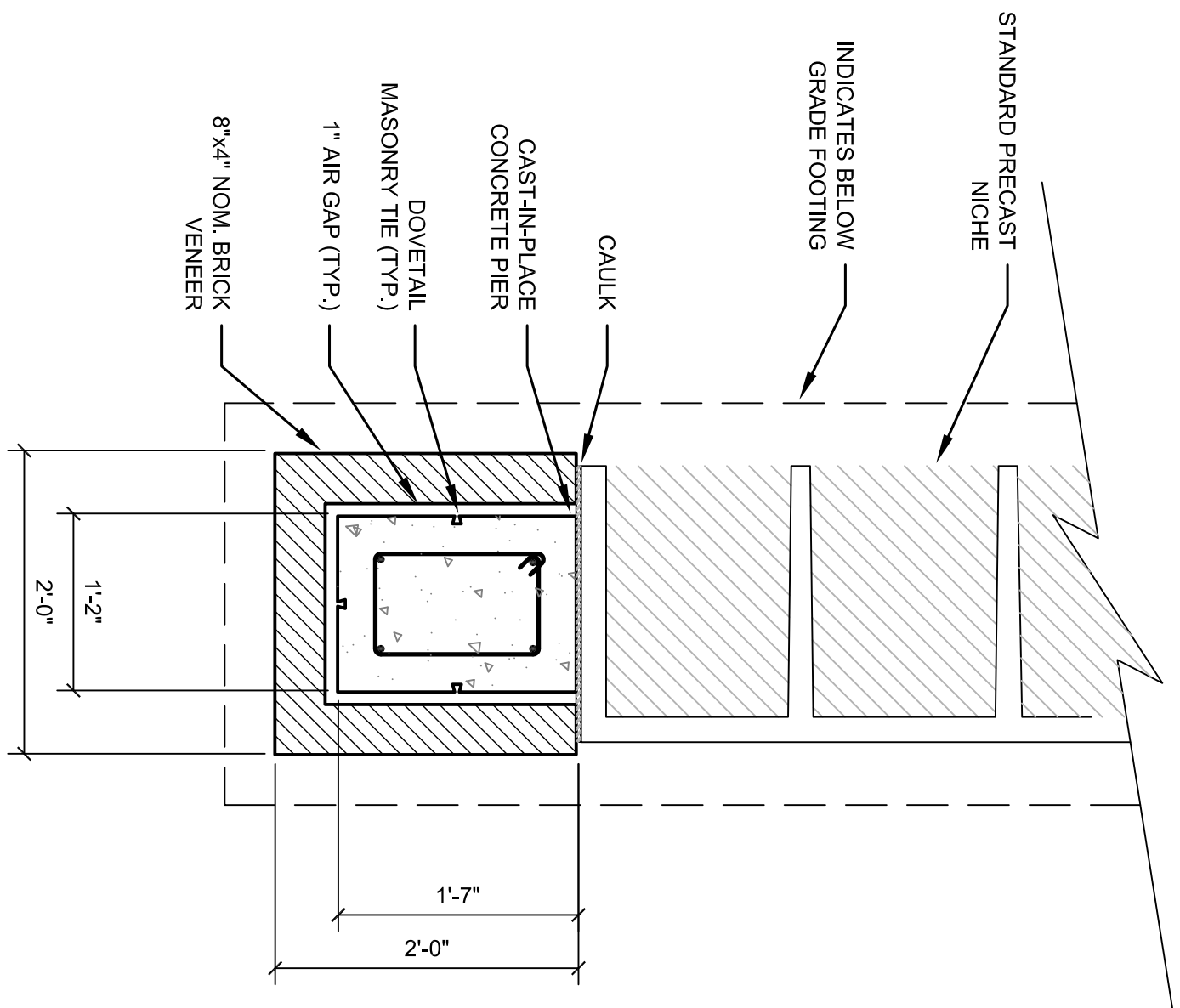
ENGINEER & SURVEYOR: amec AMEC Environment & Infrastructure, Inc. 1075 BIG SHANTY ROAD NW, SUITE 100 KENNESAW, GA 30144 (770) 421-3400 AMEC PROJECT: 6151-13-0156		SUBCONSULTANT: irrigation Consultant 2231 Weatherstone Circle Conyers, GA 30094 (770) 929-0884, fax (770) 760-8025		LOCATION: BEAUFORT NATIONAL CEMETERY 1601 BOUNDARY STREET BEAUFORT, SC 29902-3947		 NATIONAL CEMETERY ADMINISTRATION		Drawing Title ROADWAY PLAN AND PROFILE		Project Title BEAUFORT NATIONAL CEMETERY EXPANSION		Date 8-16-2013 Project No. 831 CM 2014	
Revisions		Date		Approved: Chief, Architectural & Engineering Division		Location BEAUFORT, SC		Building Number Checked Drawn		DRAWING NO. C-106		Sheet 9 of 23	



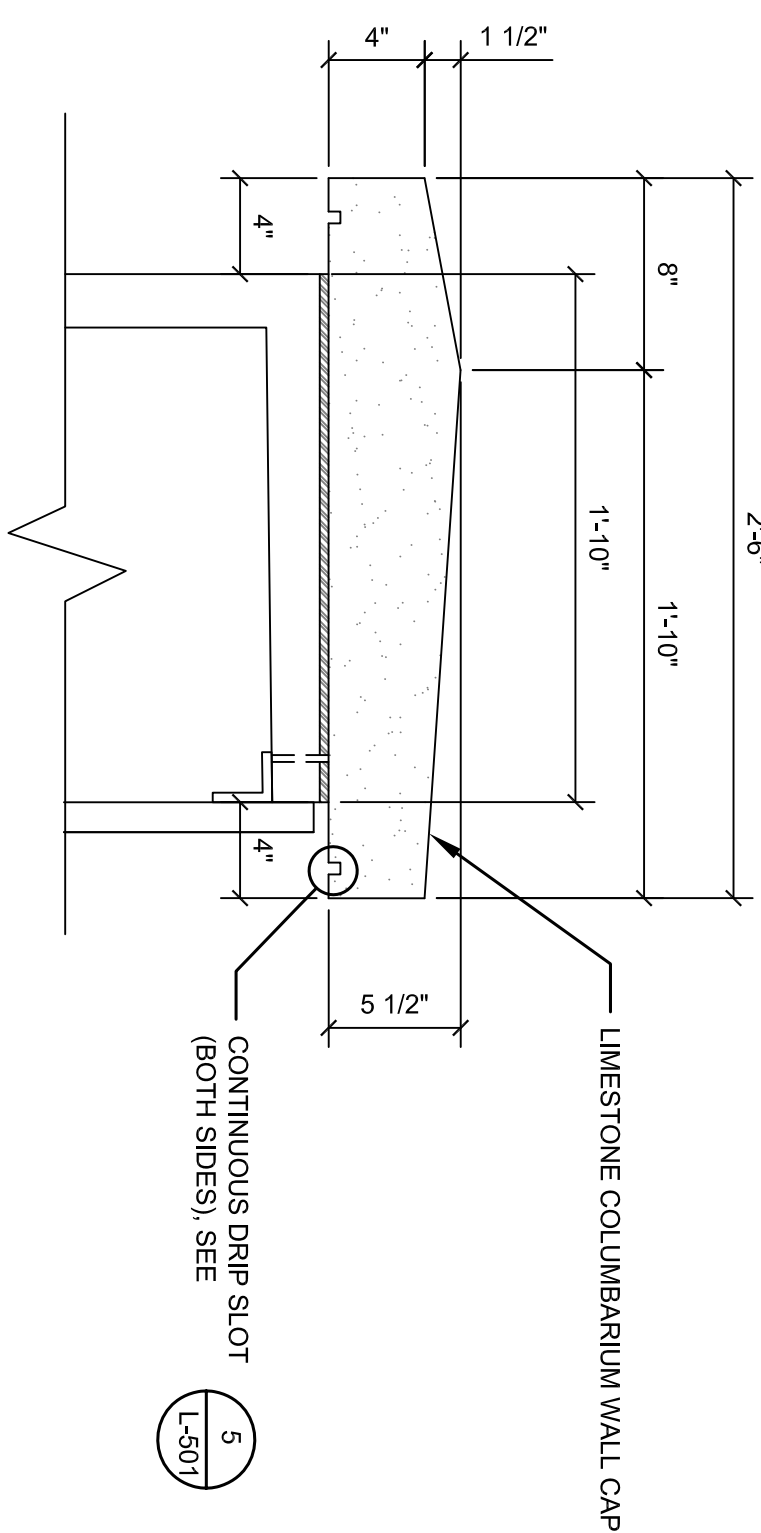
ALL STRUCTURAL & CONSTRUCTION DETAILS TO BE PROVIDED IN SHOP DRAWINGS. THEY ARE TO BE DESIGNED, SIGNED & SEALED BY A S. CAROLINA REGISTERED PROFESSIONAL ENGINEER OR ARCHITECT. ENGINEER OR ARCHITECT'S RESIDENT ENGINEER FOR REVIEW AND APPROVAL.

1 SINGLE-SIDED COLUMBARIUM WALL - SECTION

NTS



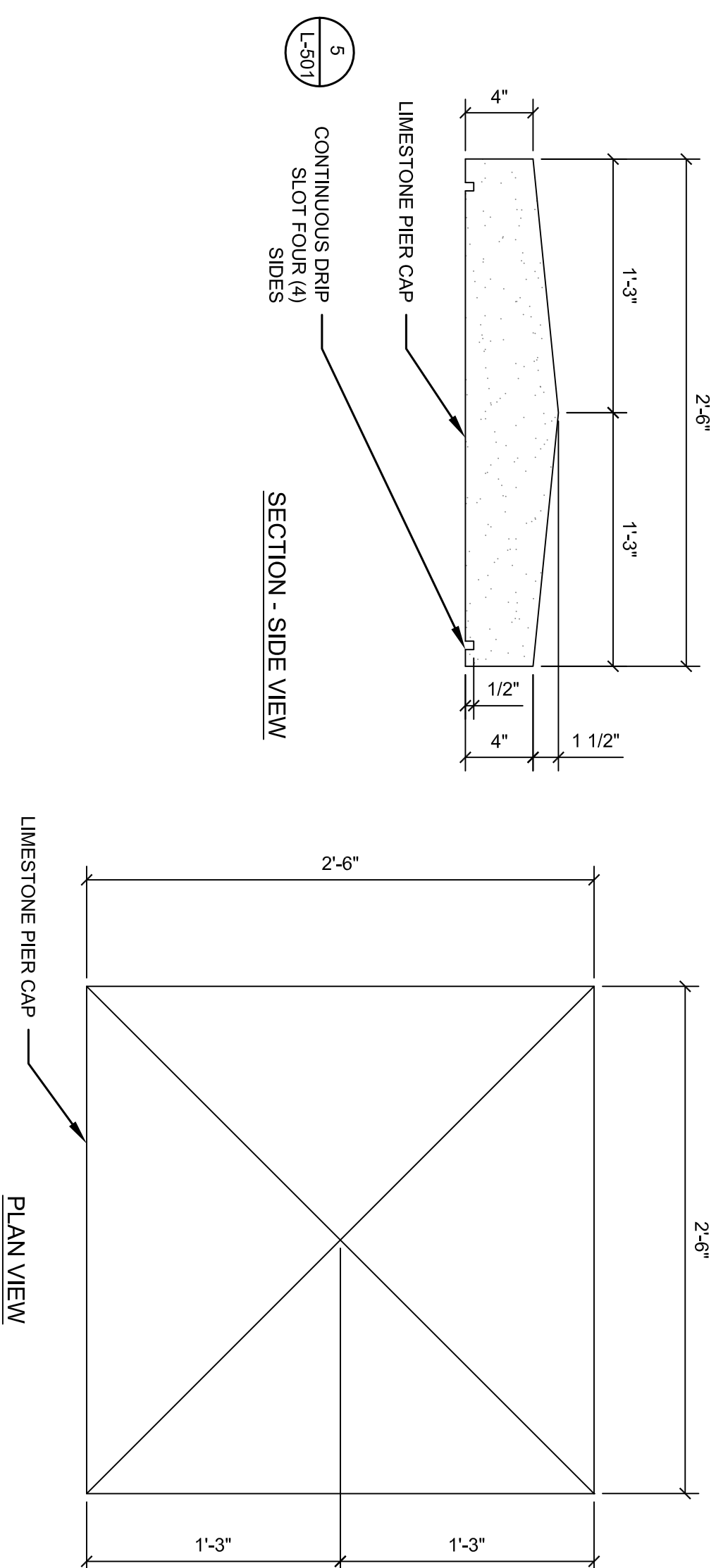
2 END SINGLE SIDED PIER - PLAN VIEW



3 COLUMBARIUM WALL CAP - SECTION

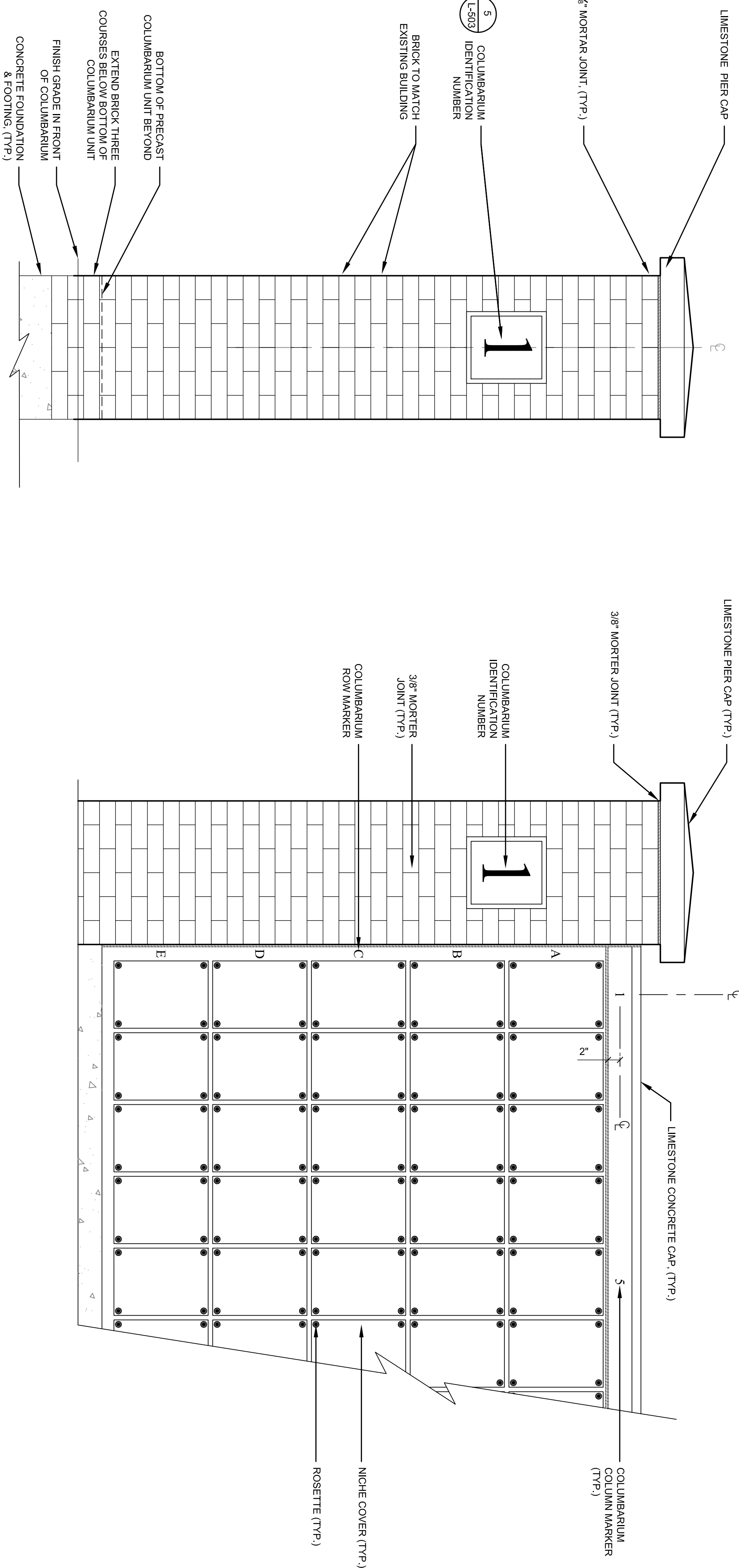
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NTS



4 TYPICAL PIER CAP DETAIL

NTS

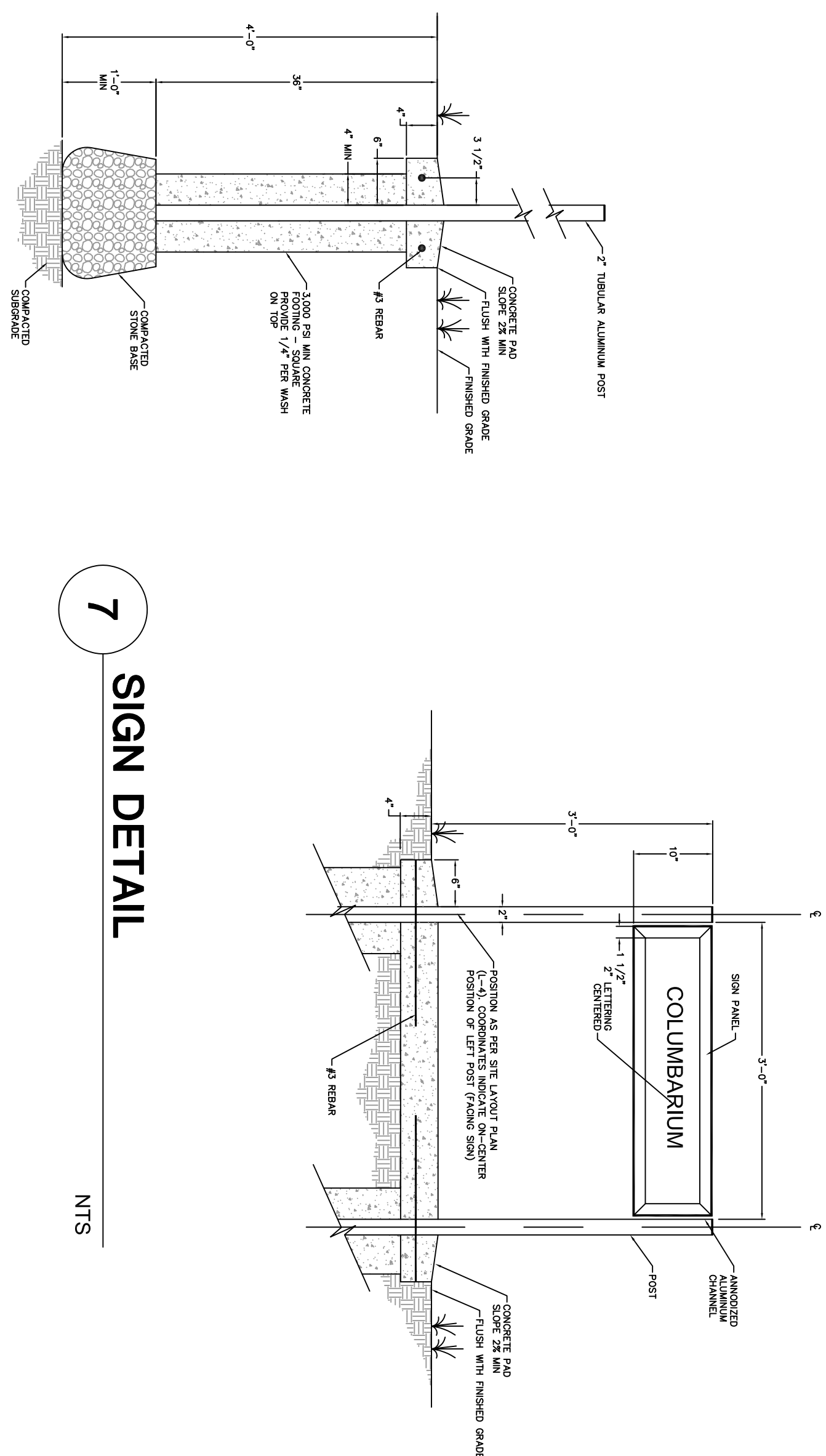


5 FRONT COLUMBARIUM PIER FACE

NTS

6 END PIER - SIDE VIEW

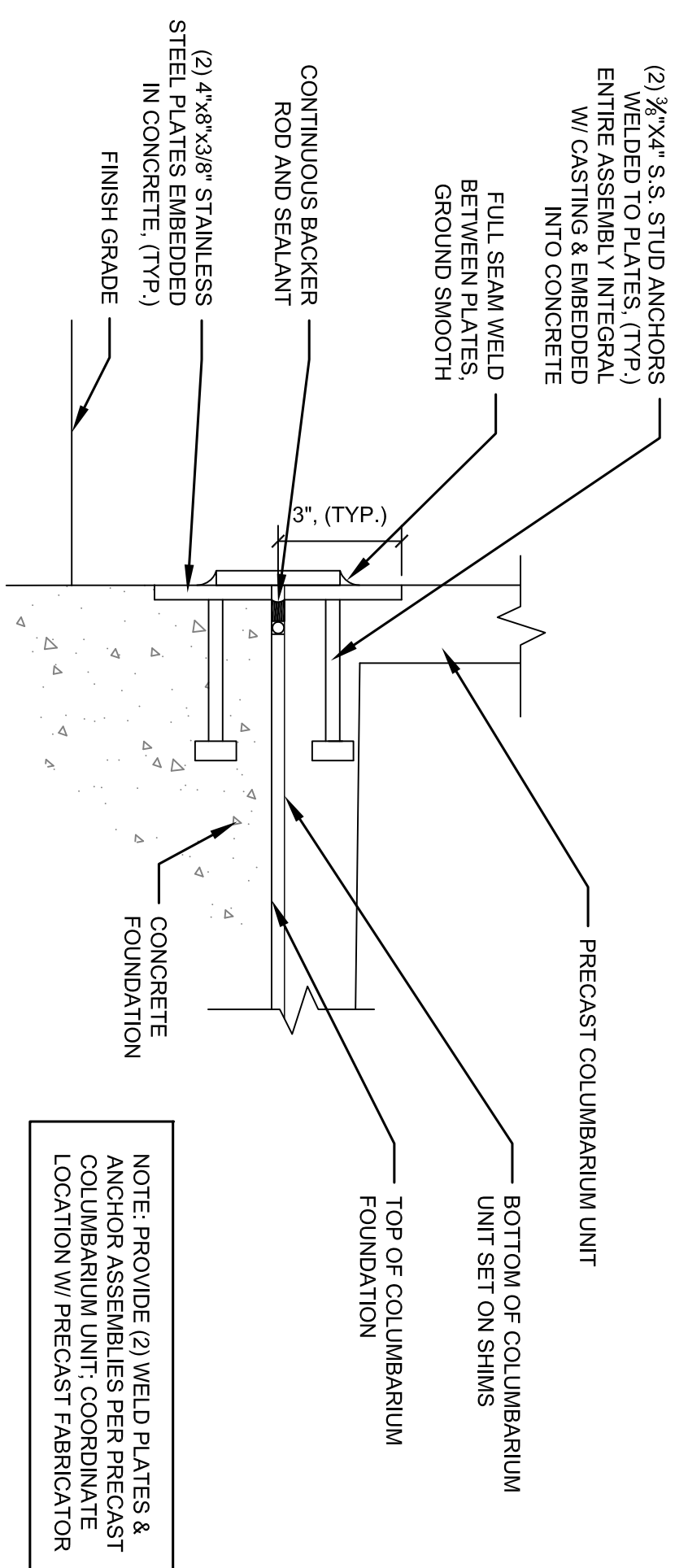
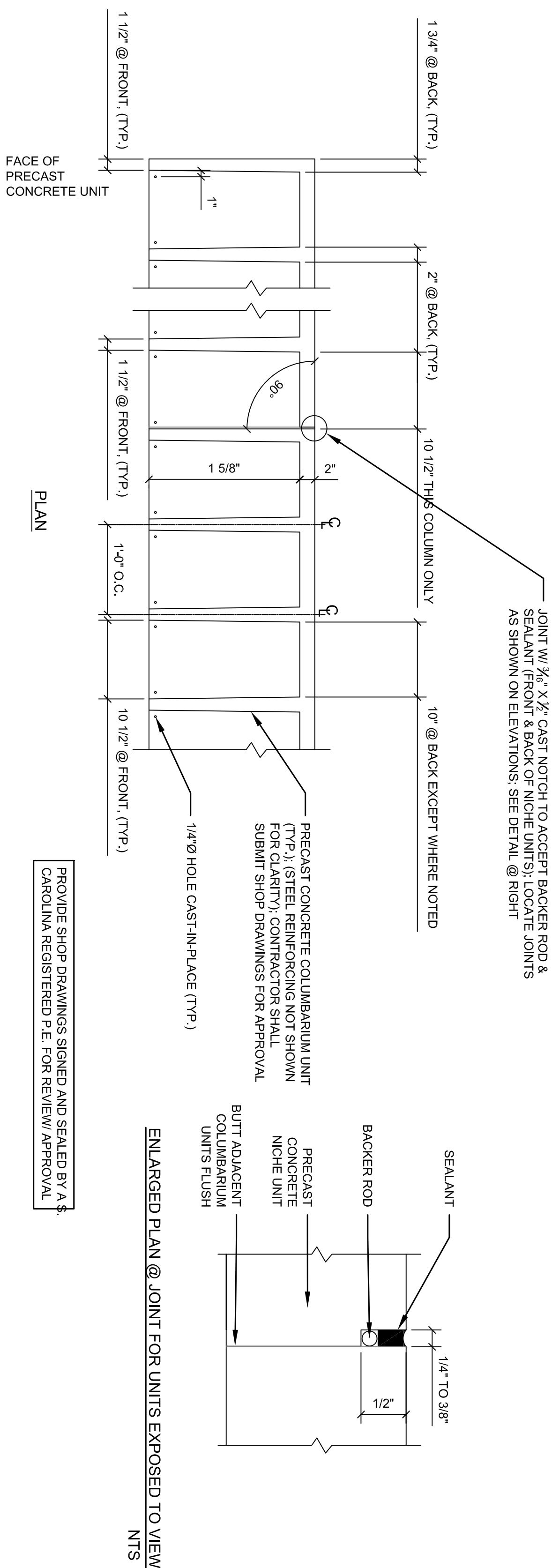
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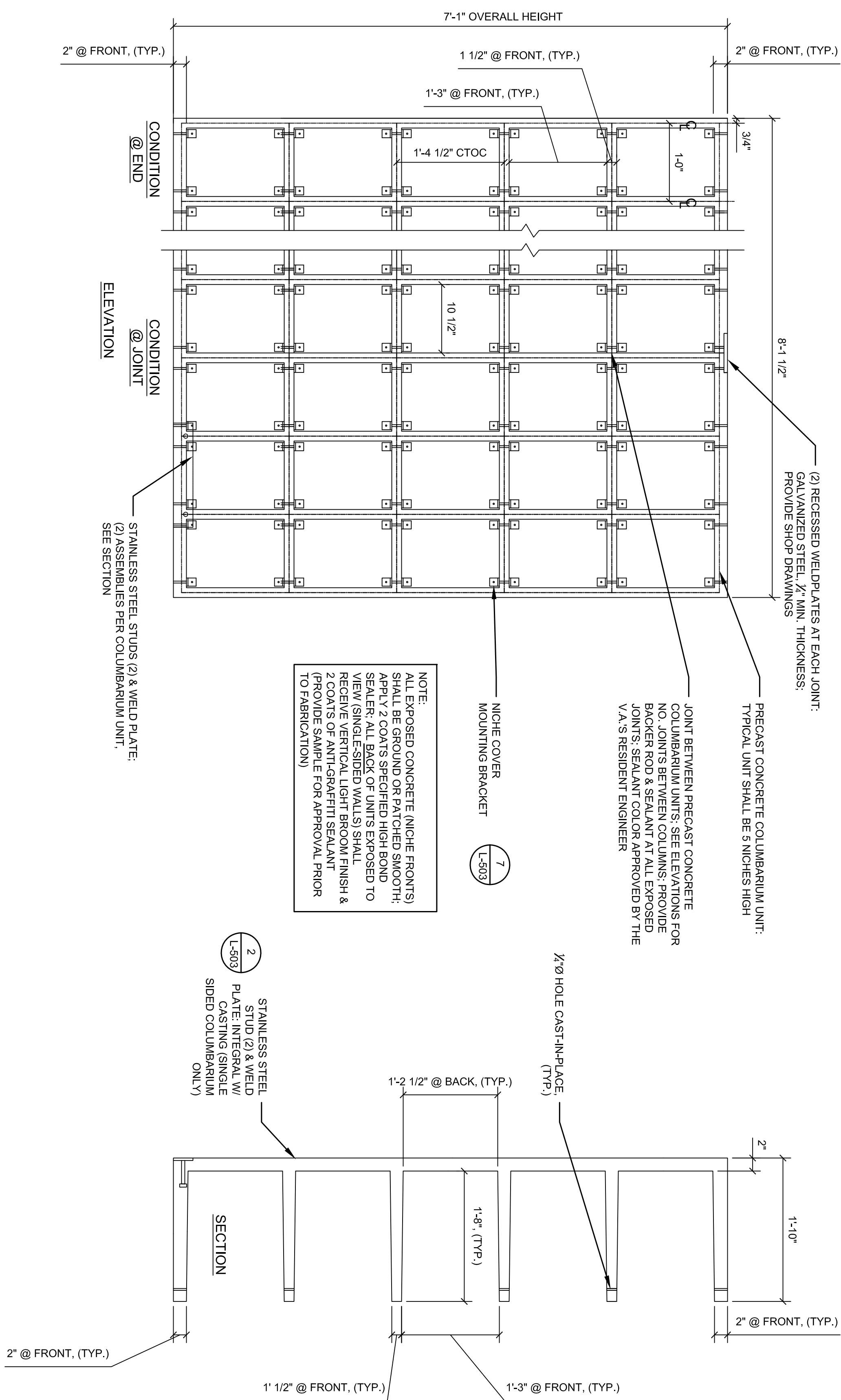
7 SIGN DETAIL

NTS

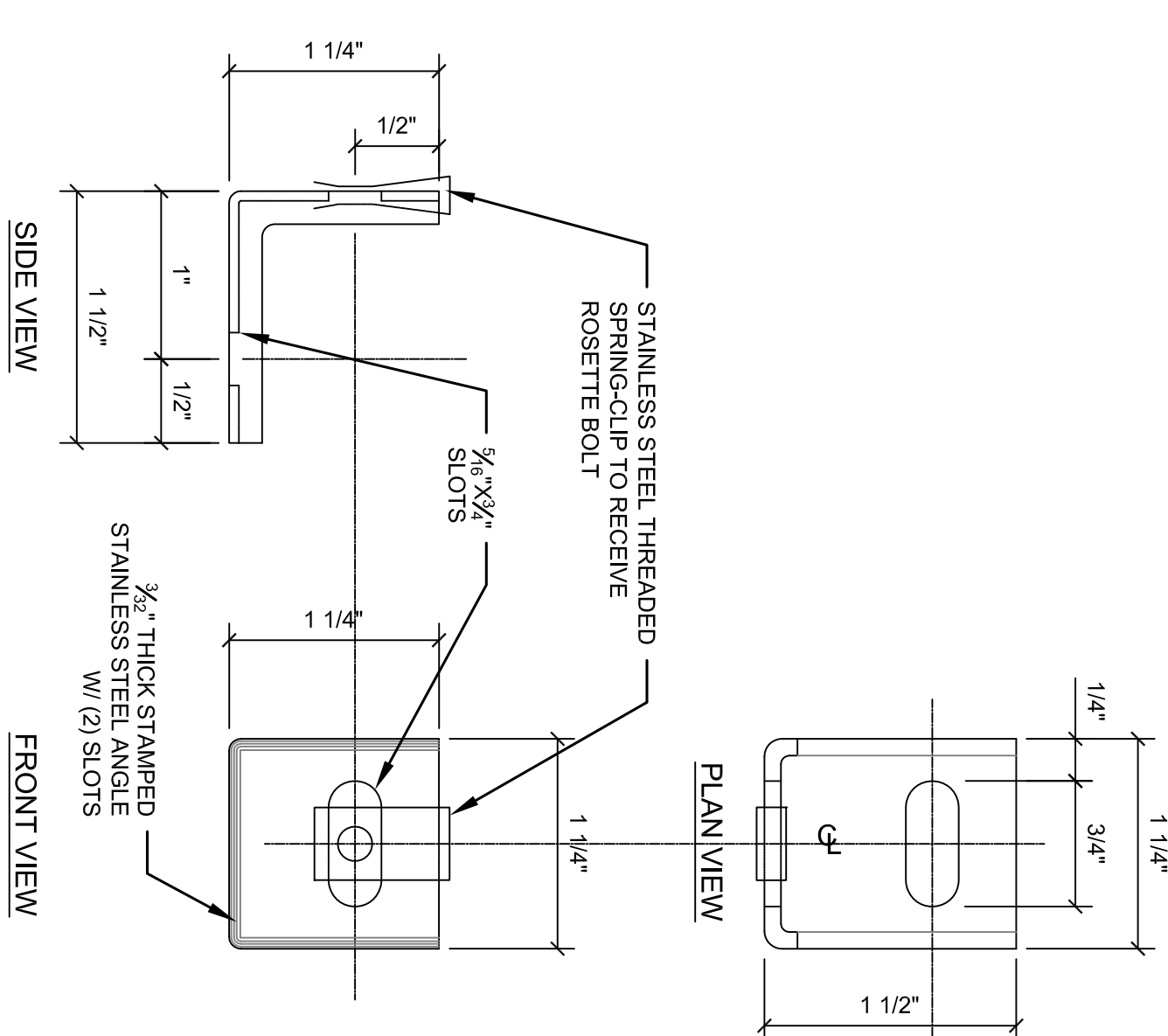
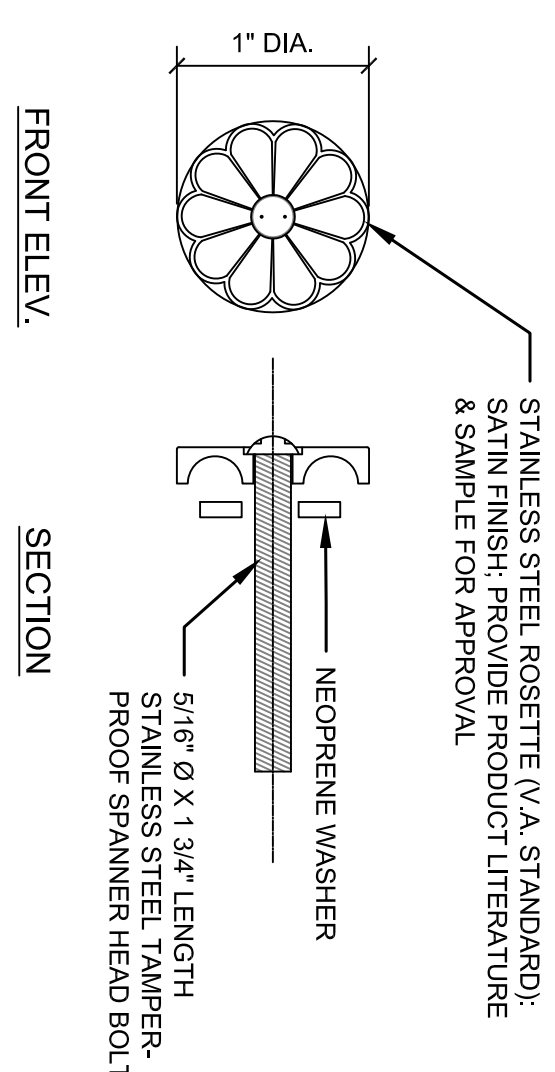
Revisions		Date	



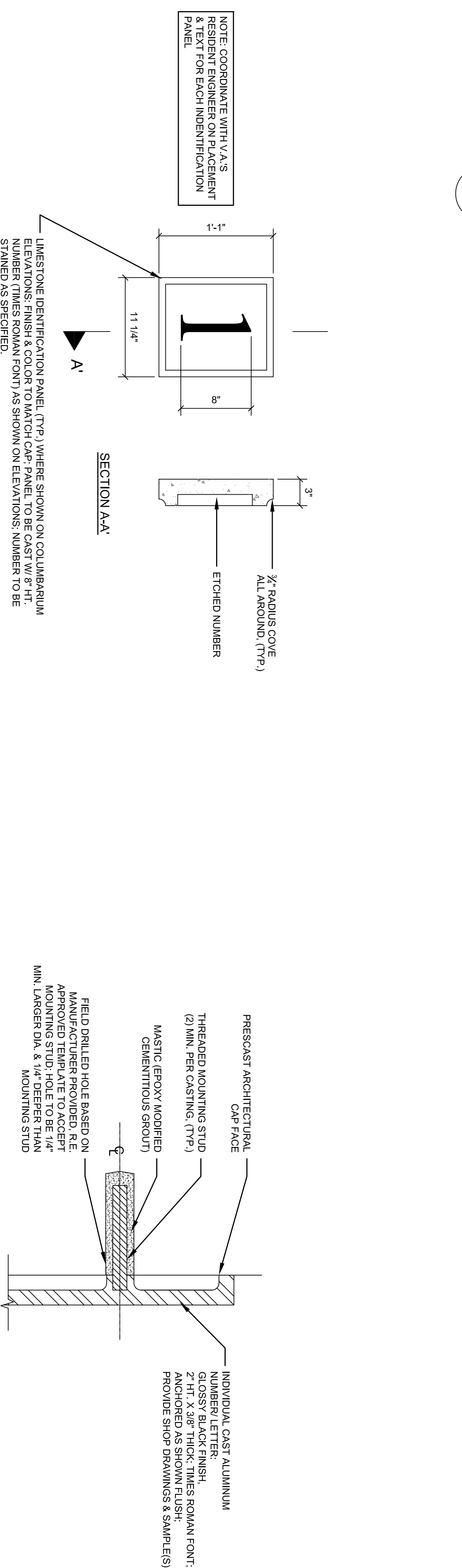
2 COLUMBARIUM WELD PLATES



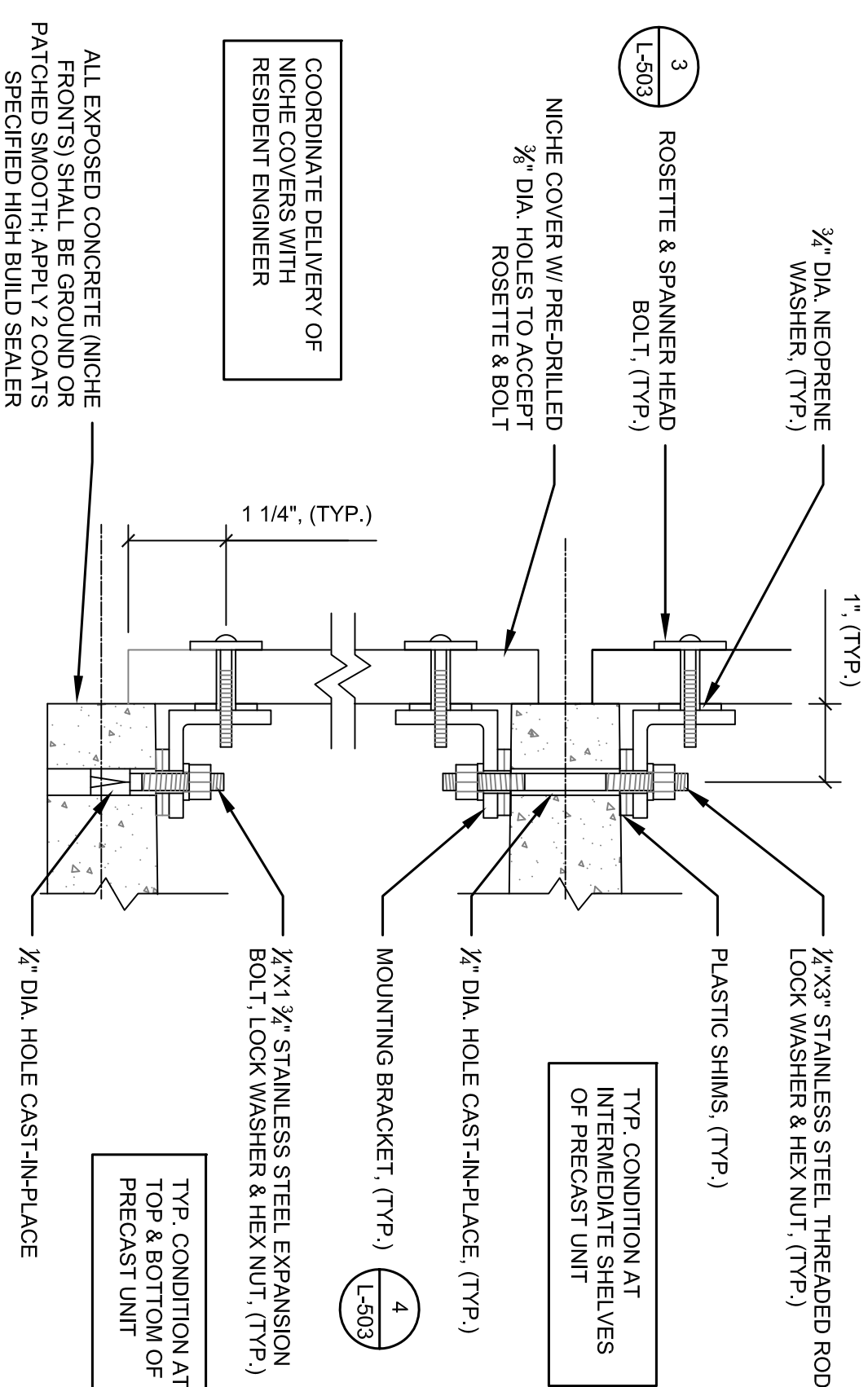
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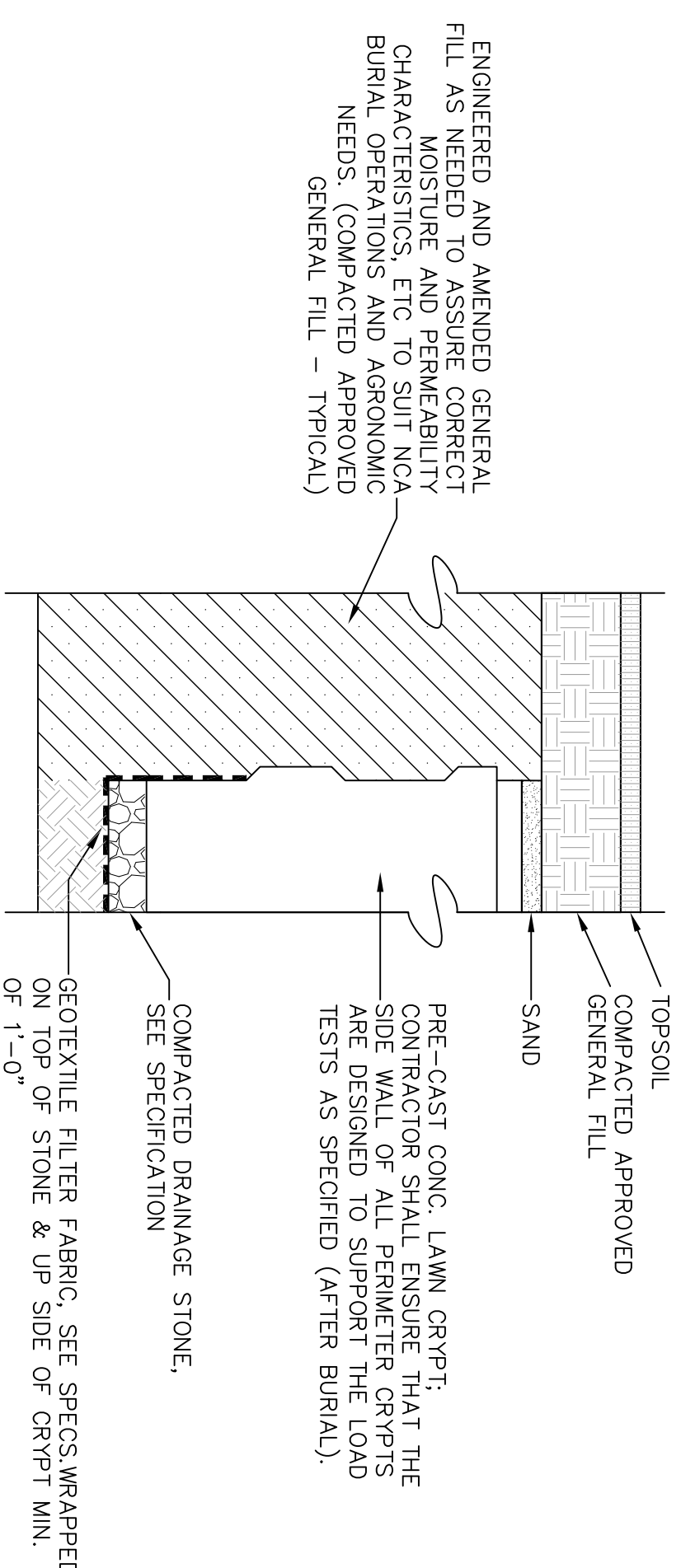
4 MOUNTING BRACKET



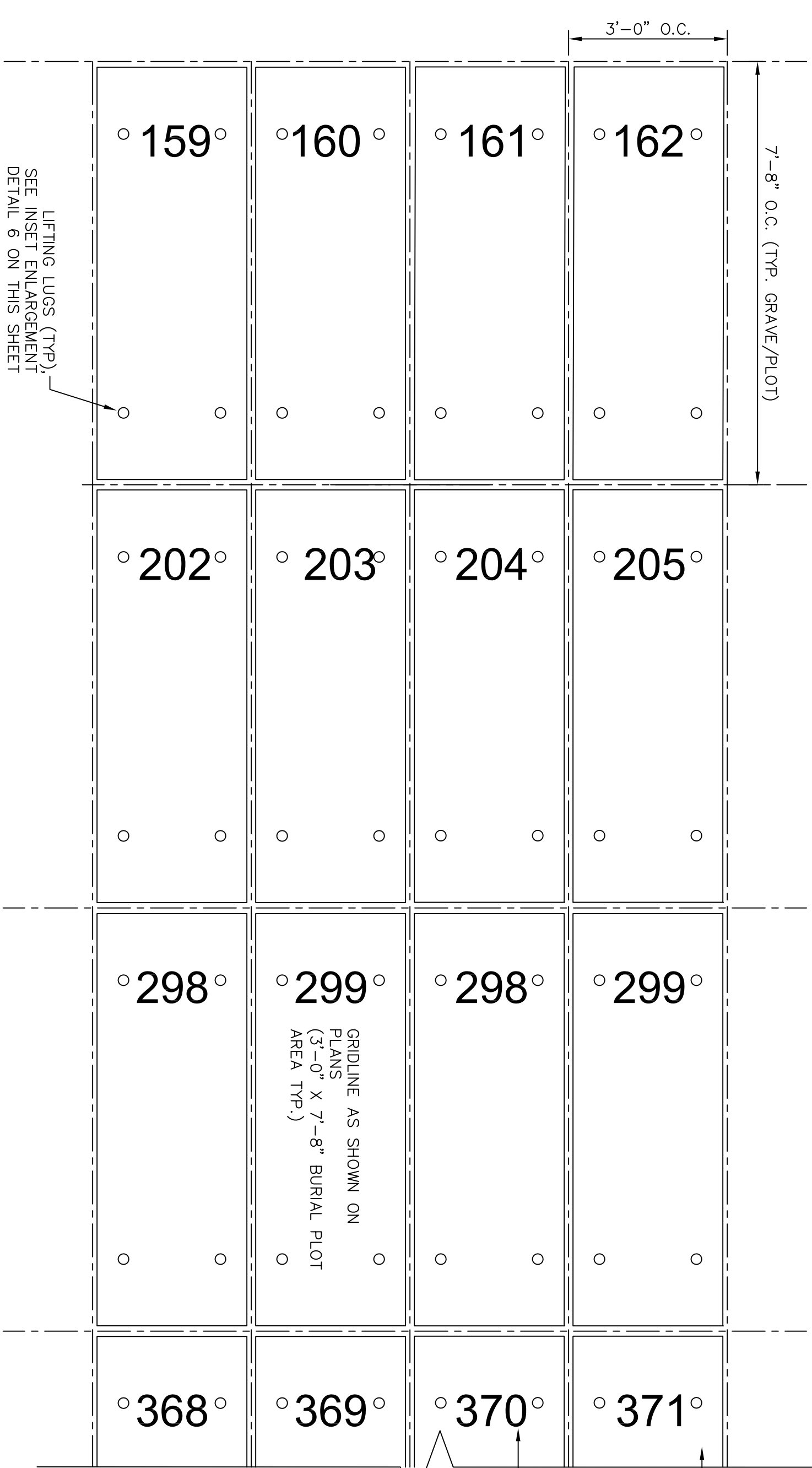
7 NICHE COVER ATTACHMENT



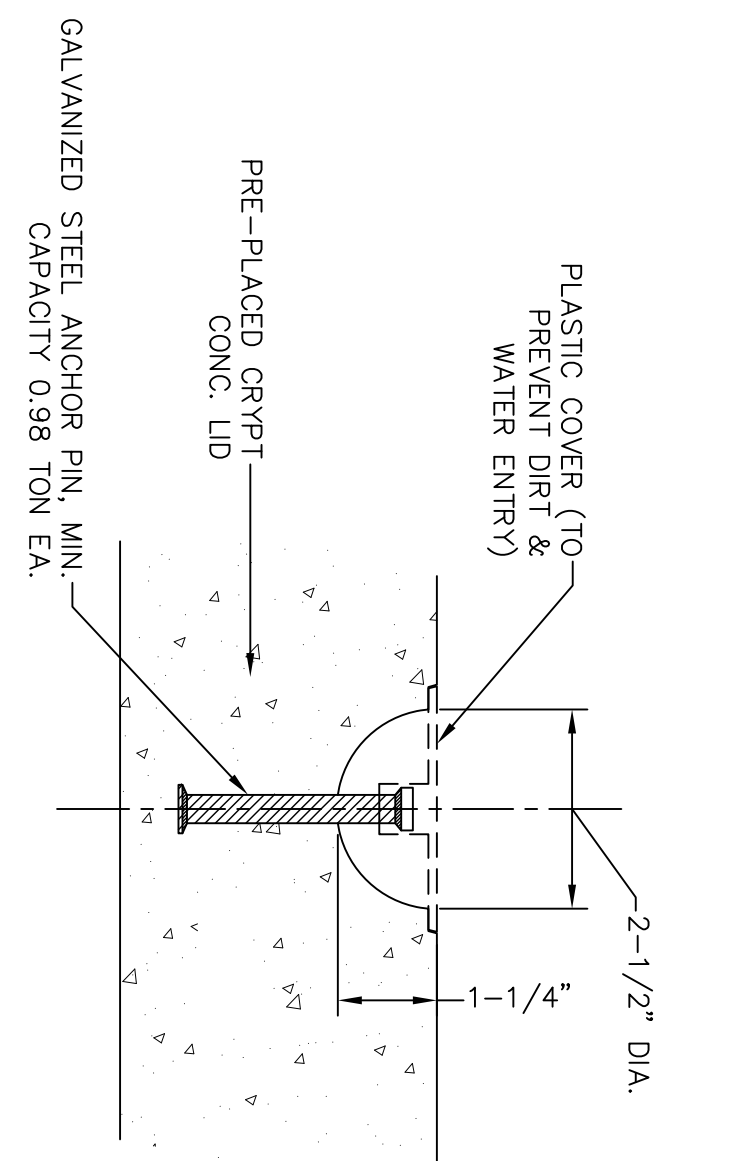
Revisions					
Date					
AMEC PROJECT: 6151-13-0158					
ENGINEER & SURVEYOR: amec		SURVEILLANT:  Irrigation Consultants Services 2231 Westlimestone Circle Conyers, GA 30094 (770) 929-0884, fax (770) 760-8025			
		LOCATION: BEAUFORT NATIONAL CEMETERY 1601 BOUNDARY STREET BEAUFORT, SC 29902-3847			
 NATIONAL CEMETERY ADMINISTRATION					
Drawing Title CIVIL DETAILS 2		Project Title BEAUFORT NATIONAL CEMETERY EXPANSION			
Approved: Director, Technical Support Service		Building Number		Checked	Drawn
Approved: Chief, Architectural & Engineering Division		Location		BEAUFORT, SC	
Date 8 - 15 - 2013		Project No. 831 CM 3014		DRAWING NO. C-502	
Sheet 12 of 23					
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IDENTIFICATION PANEL					
NTS					
ALUMINUM NUMBER/LETTER					
NTS					



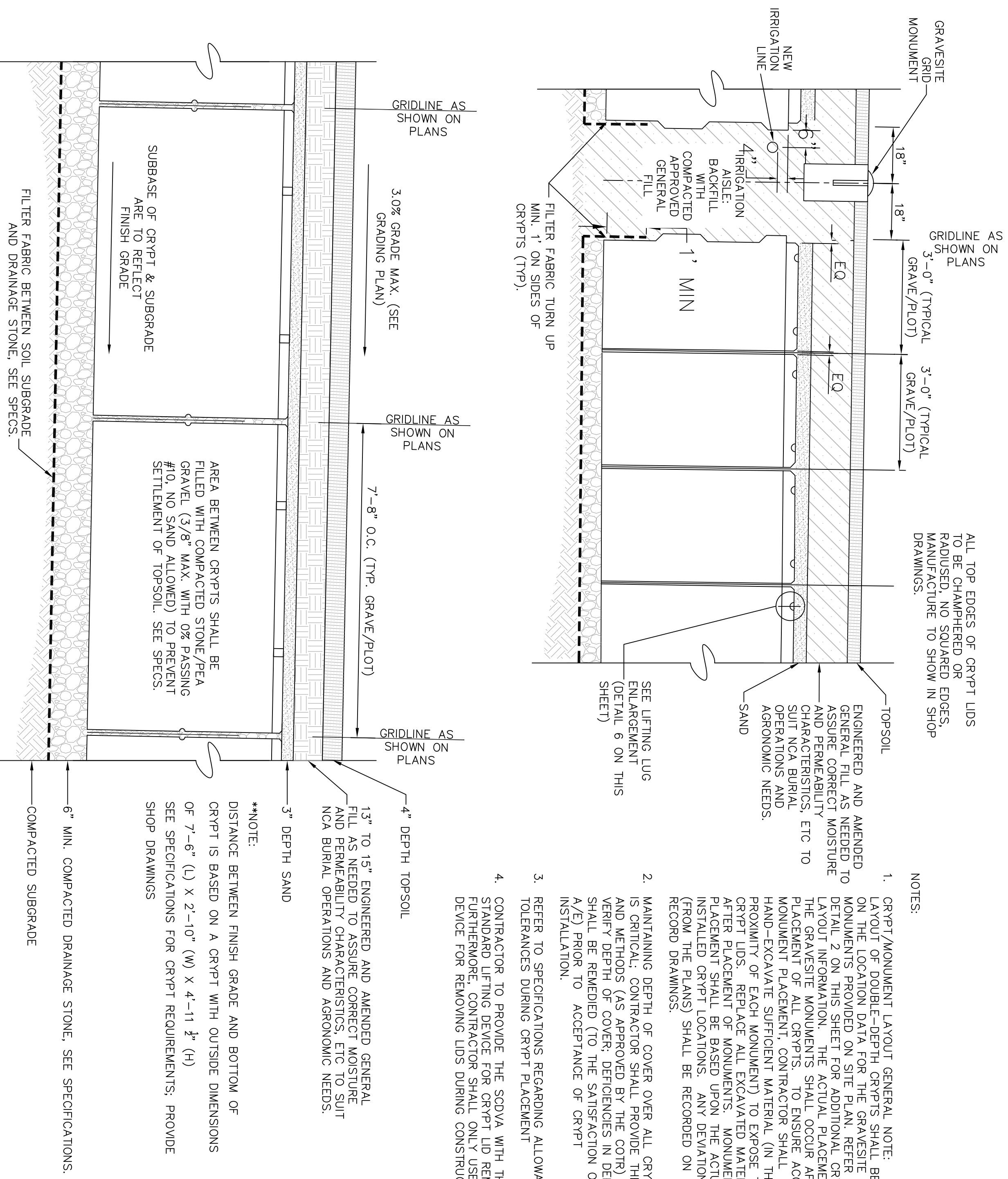
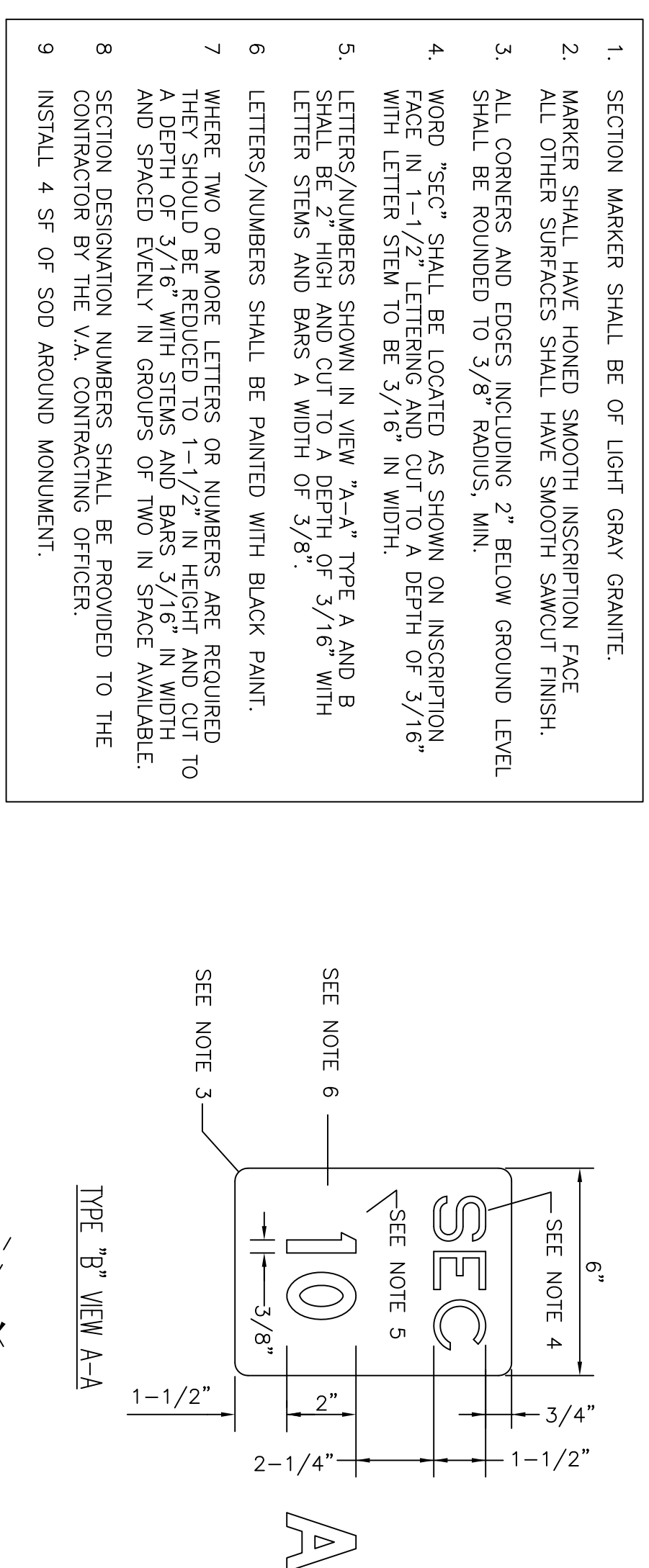
PREPLACED CRYPTS
END ROW
2
N.T.S.



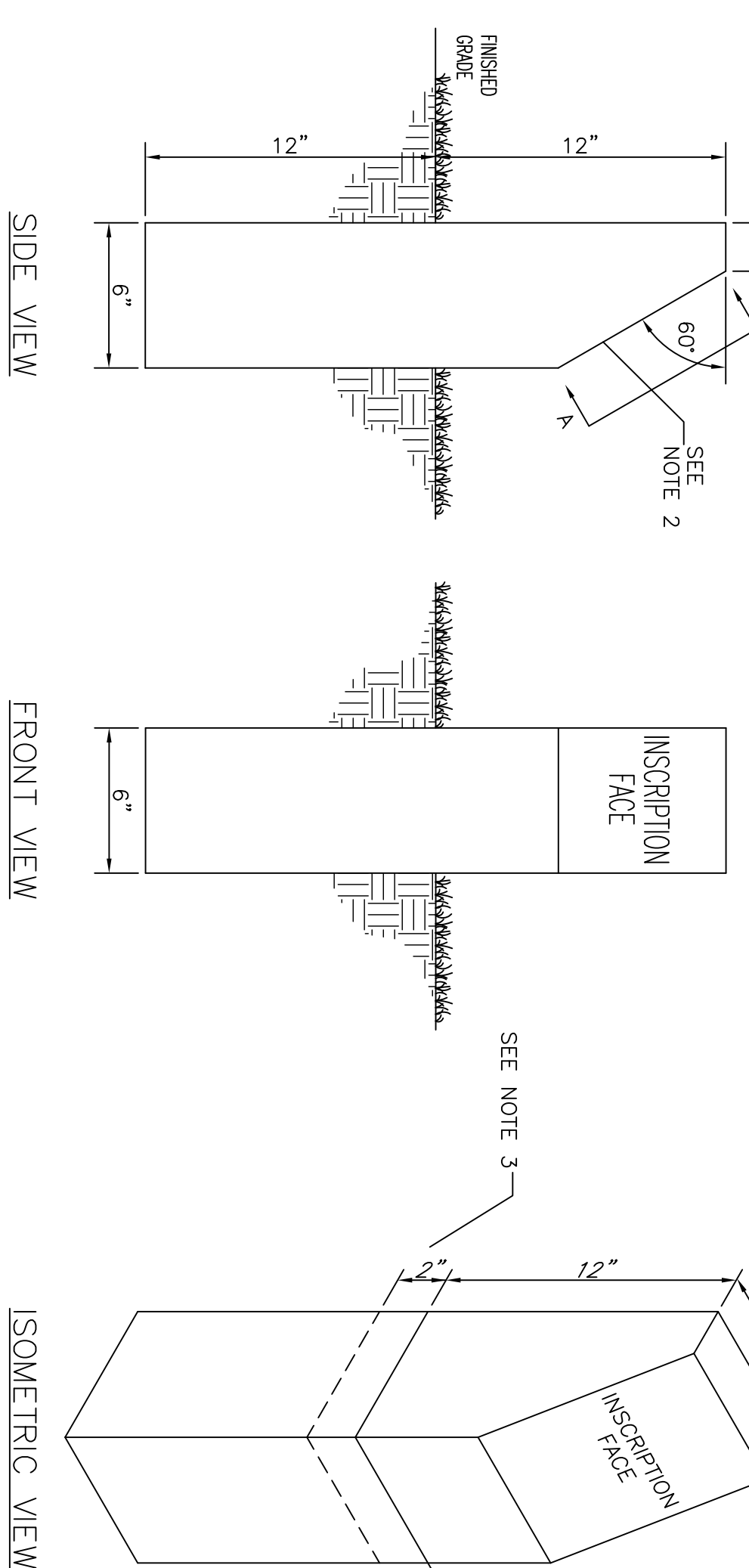
DOUBLE - DEPTH LAWN
CRYPT INSTALLATION
3 N.T.S.



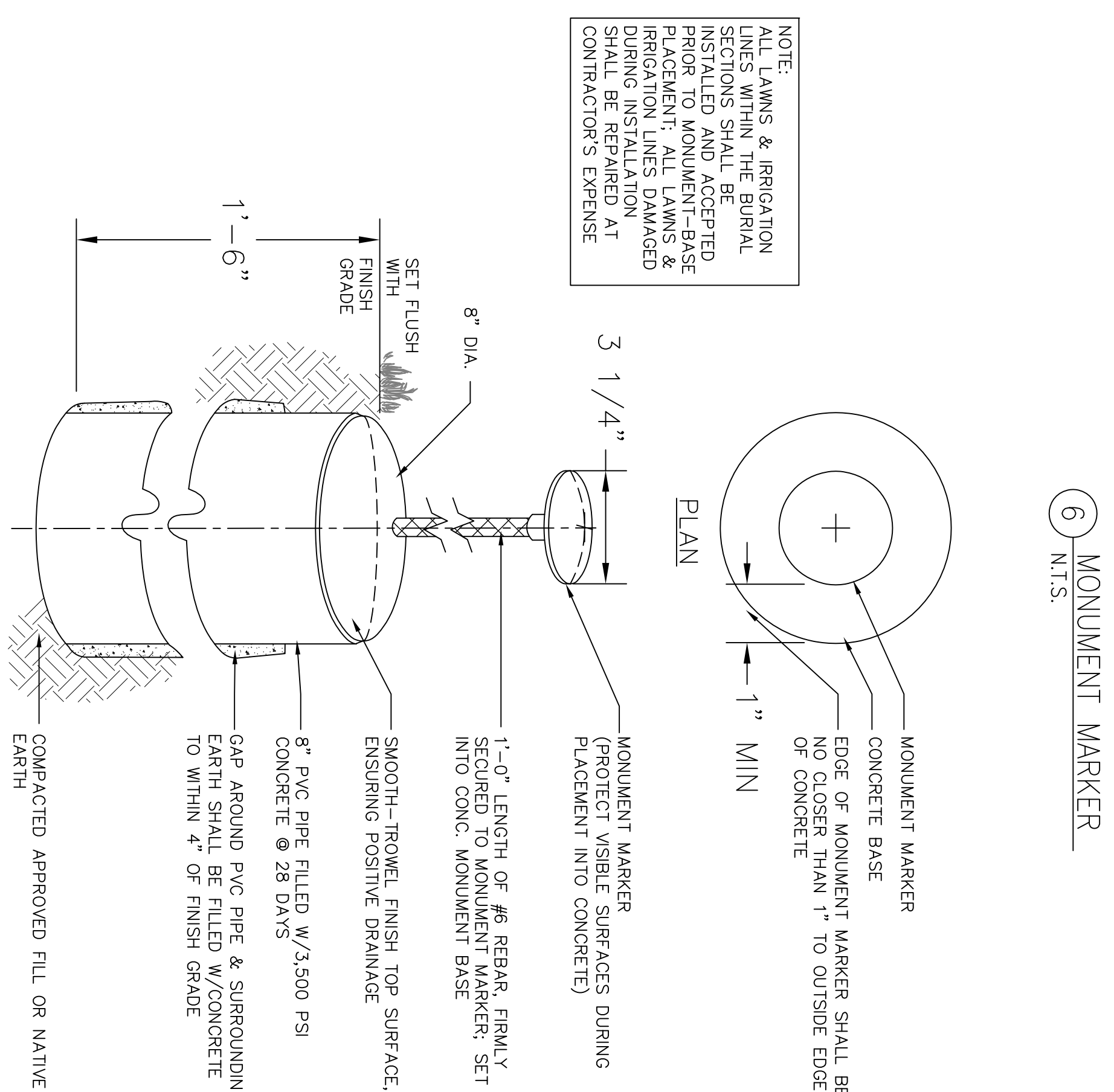
⑤ LIFTING LUG DETAIL
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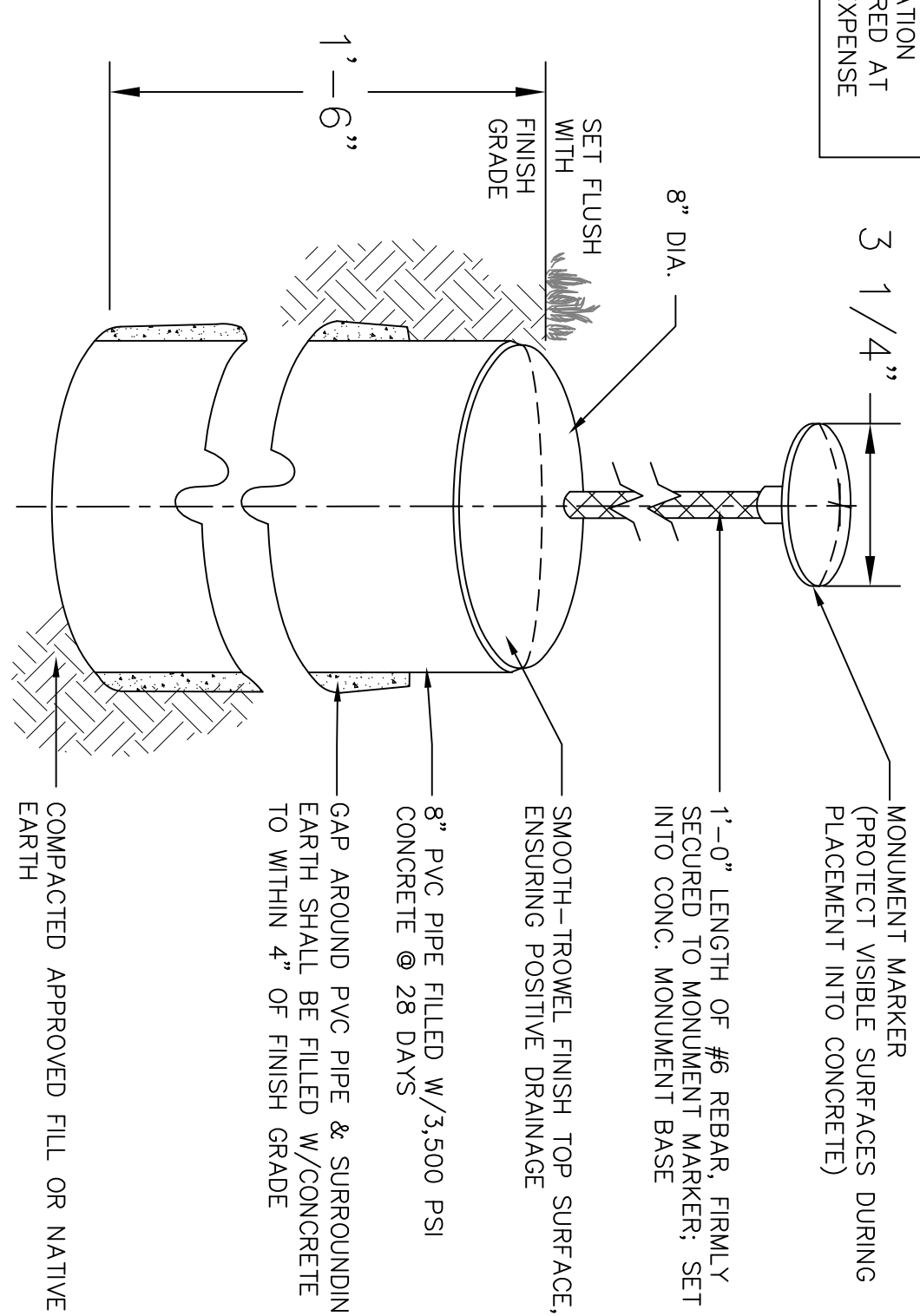
7 PRE-PLACED CRYPT PLAN AND SECTION DETAIL
N.T.S.



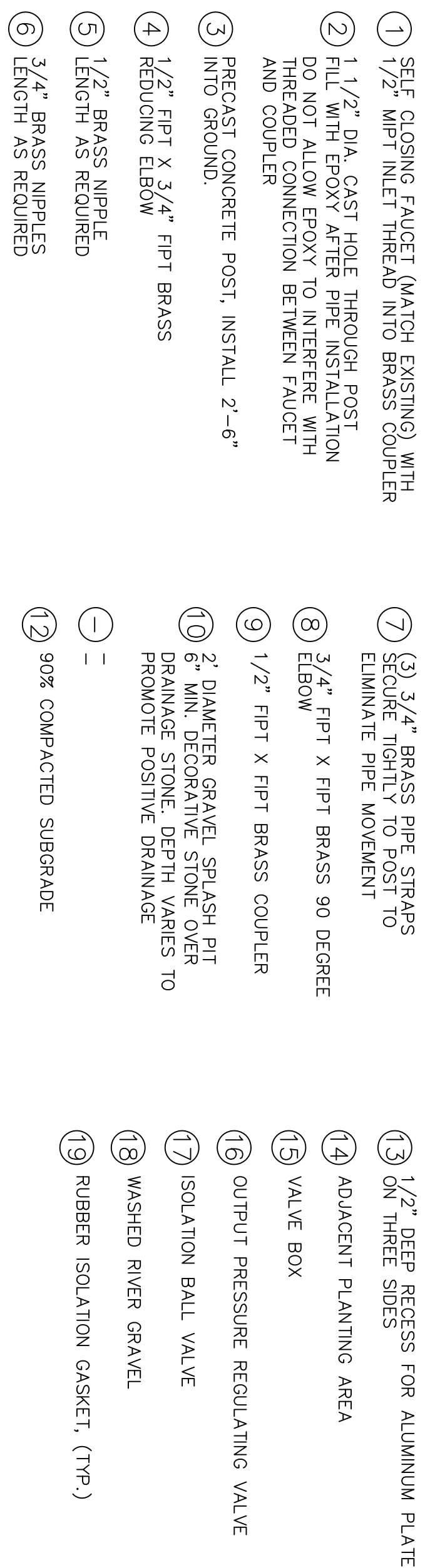
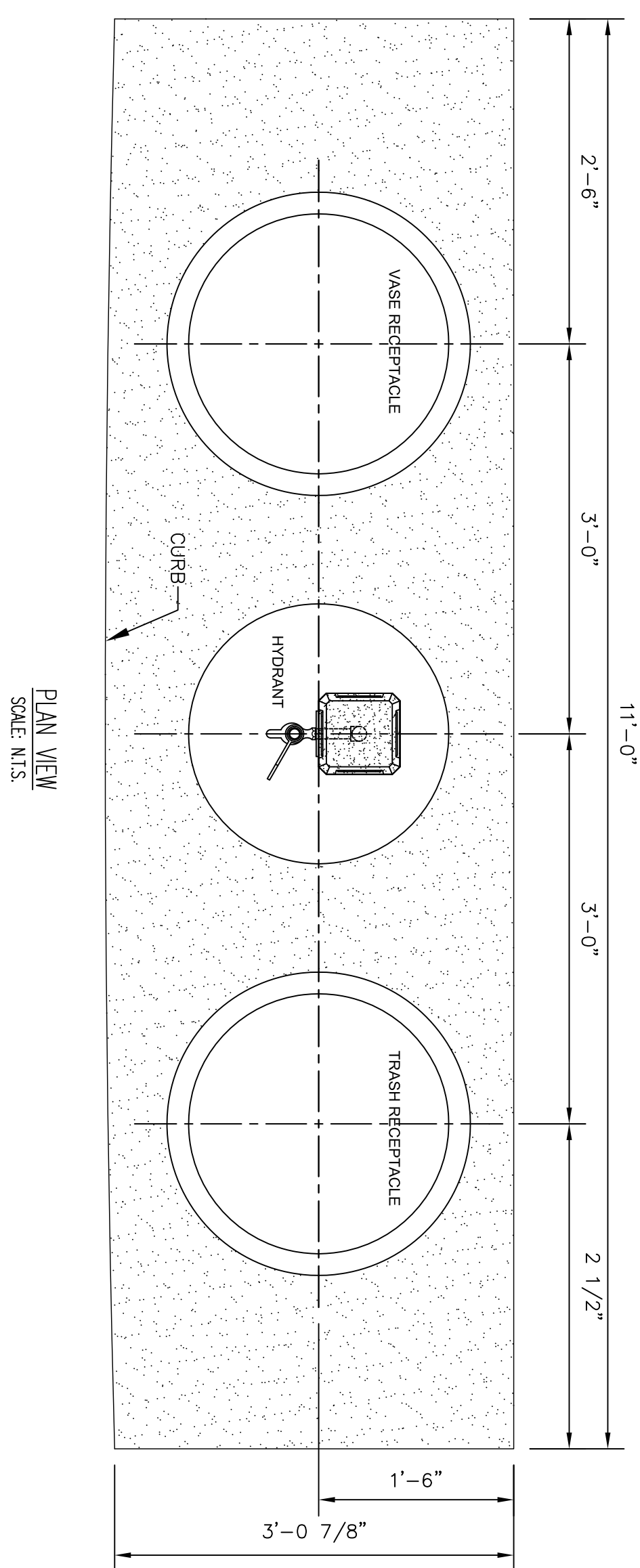
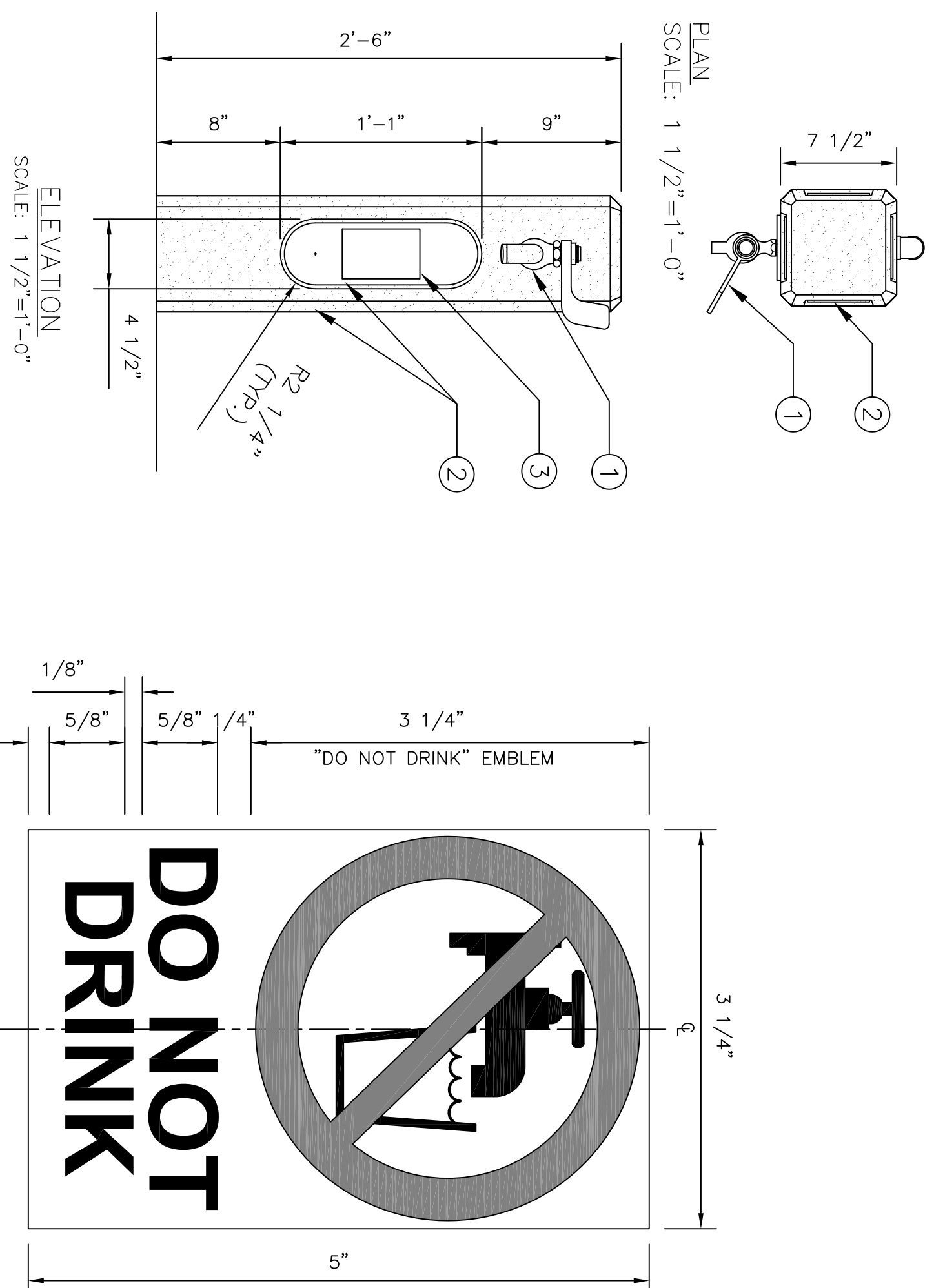
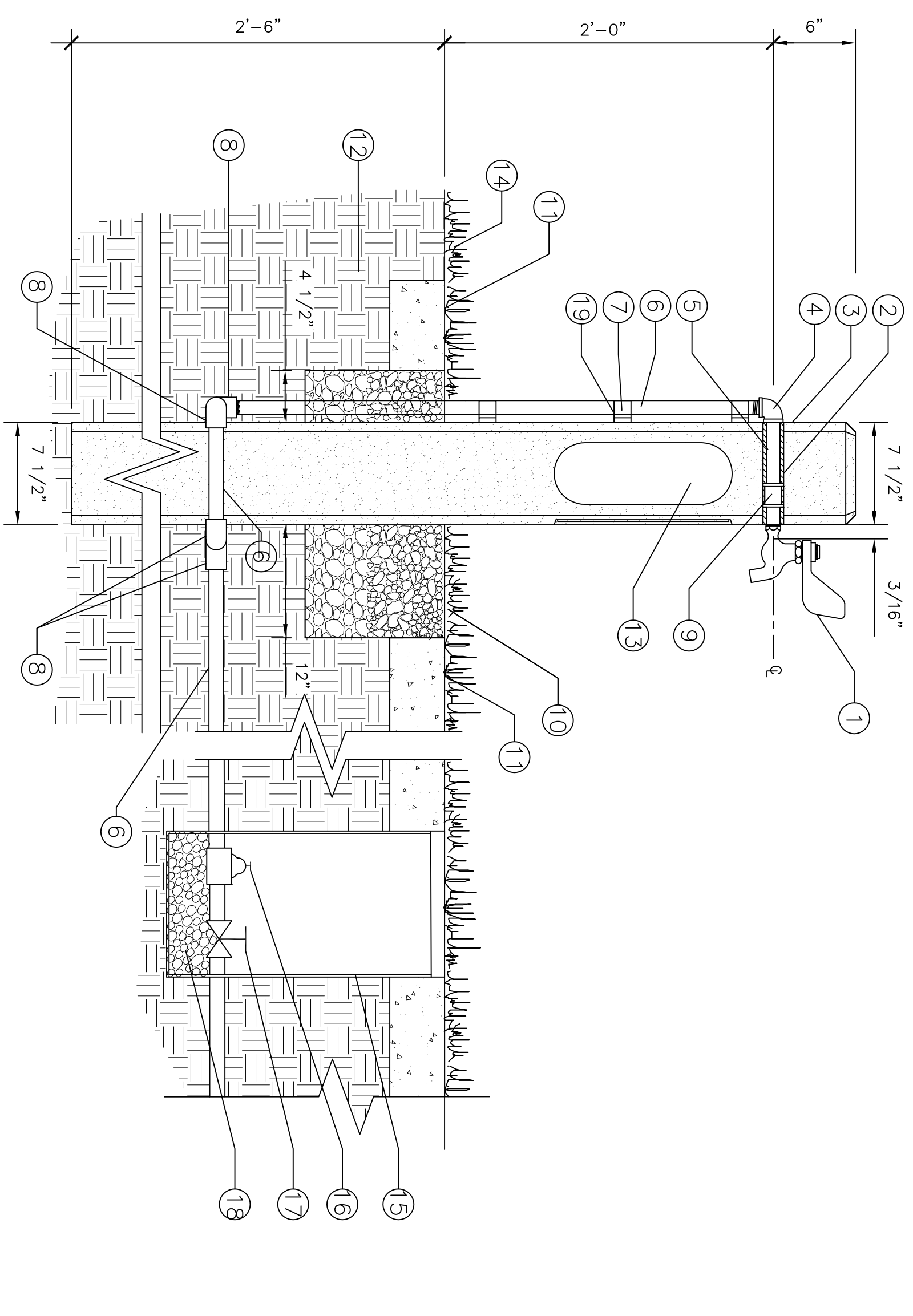
8 GRAVE SECTION MARKER DETAIL
N.T.S.



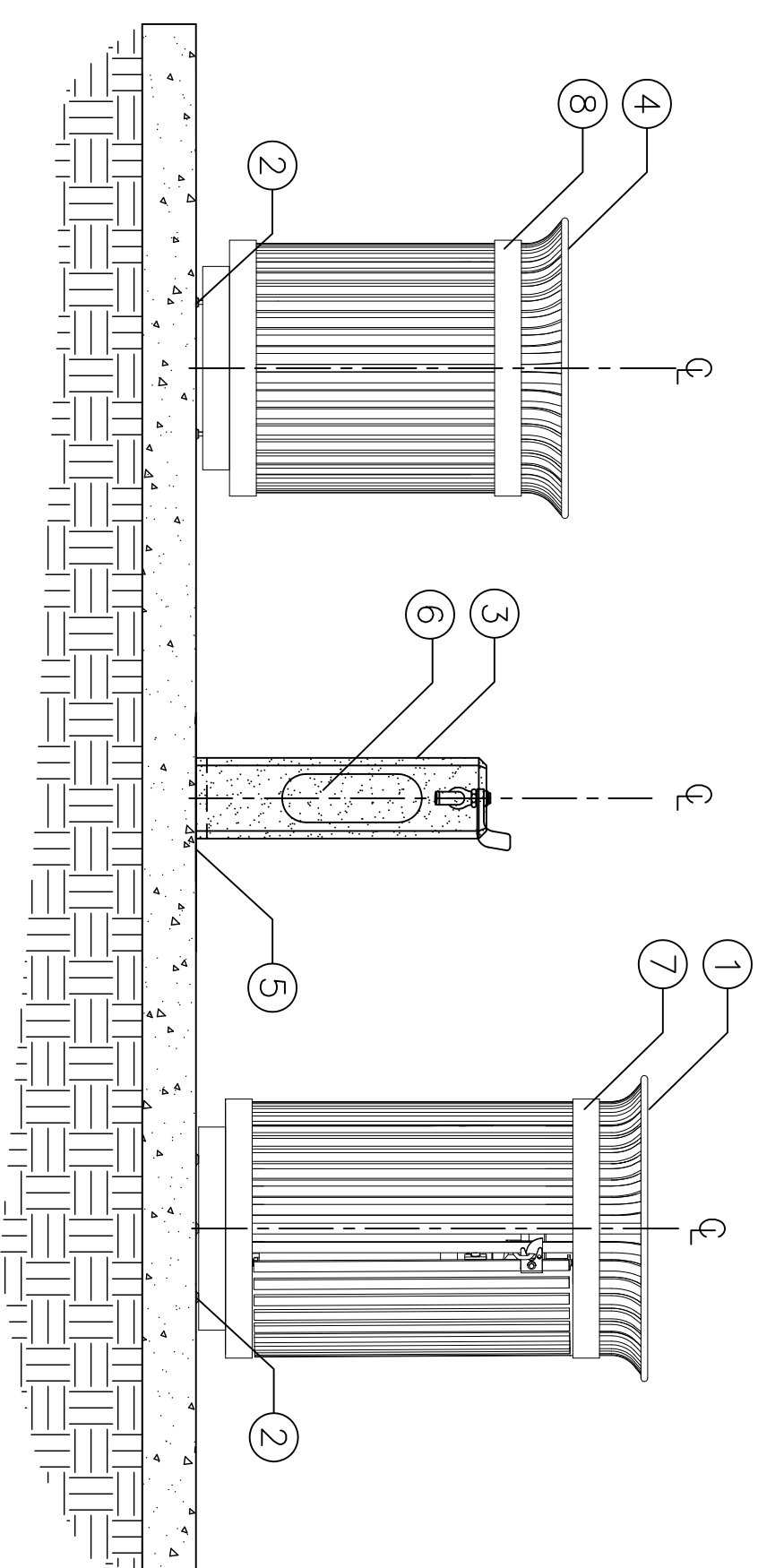
9 GRAVESITE GRID MONUMENT
N.T.S.



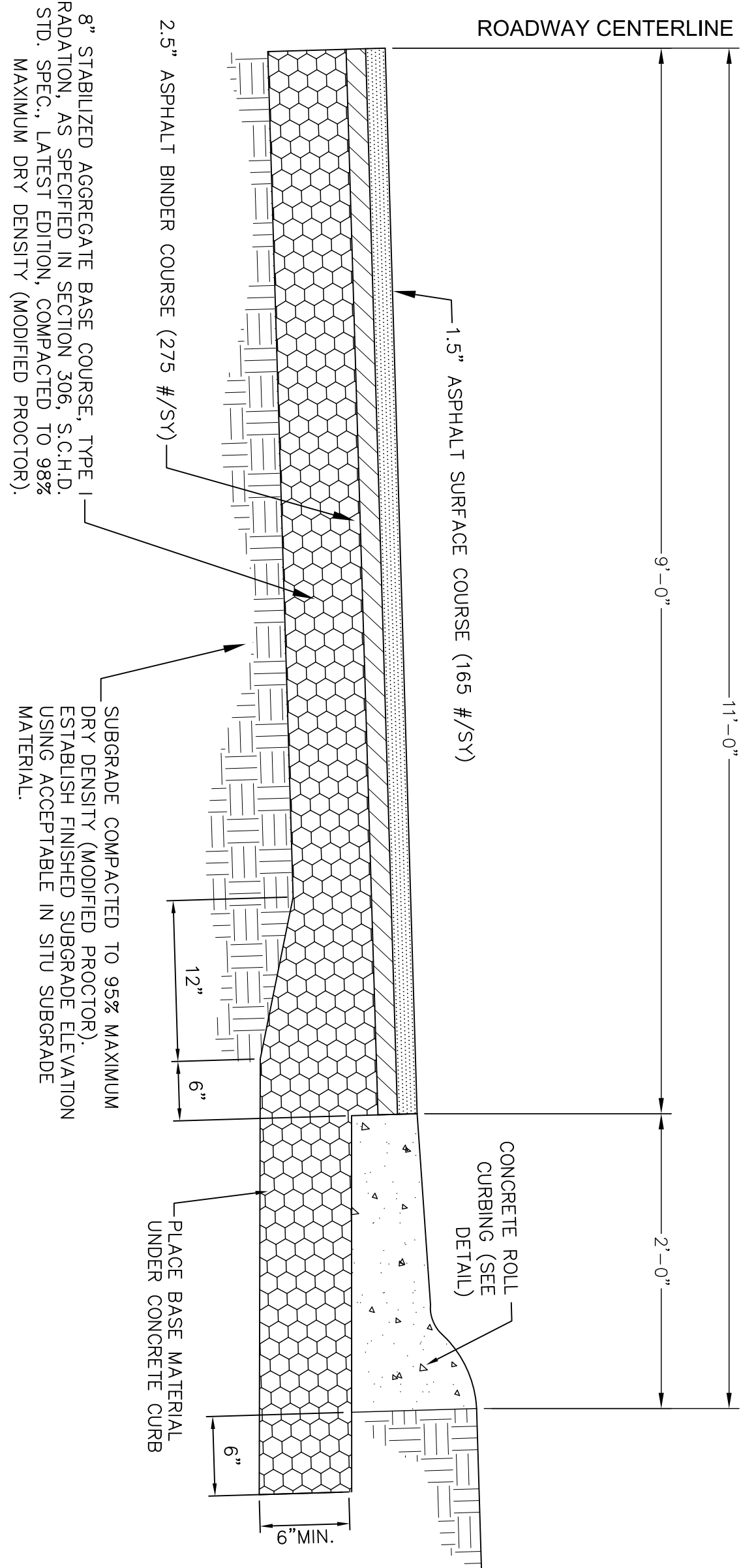
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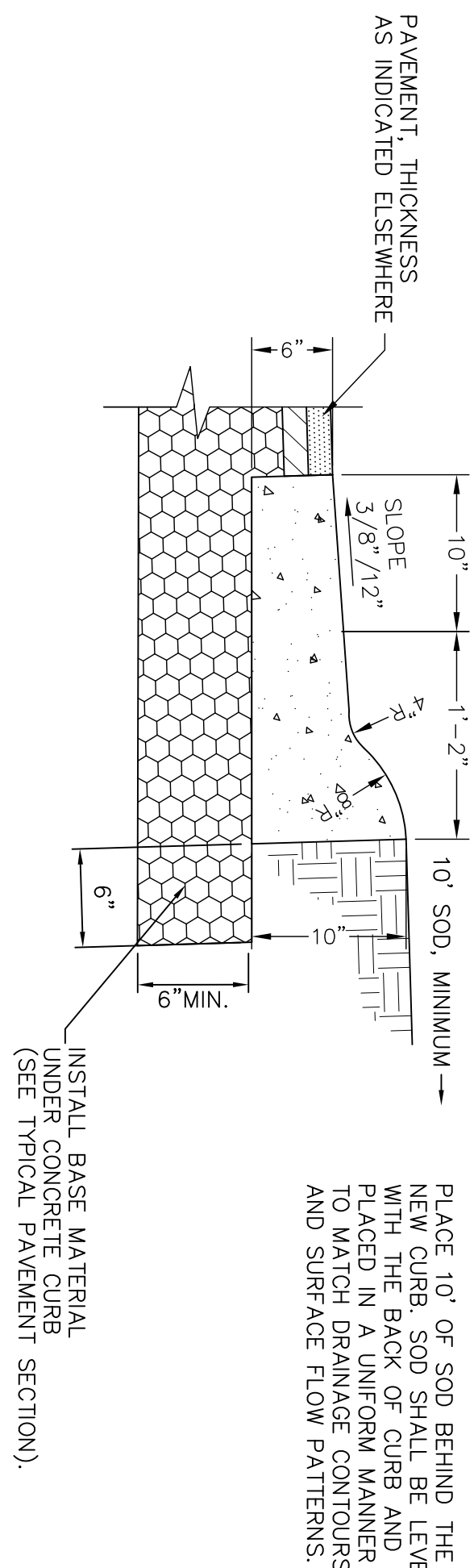
① VASE WATERING STATION
N.T.S.



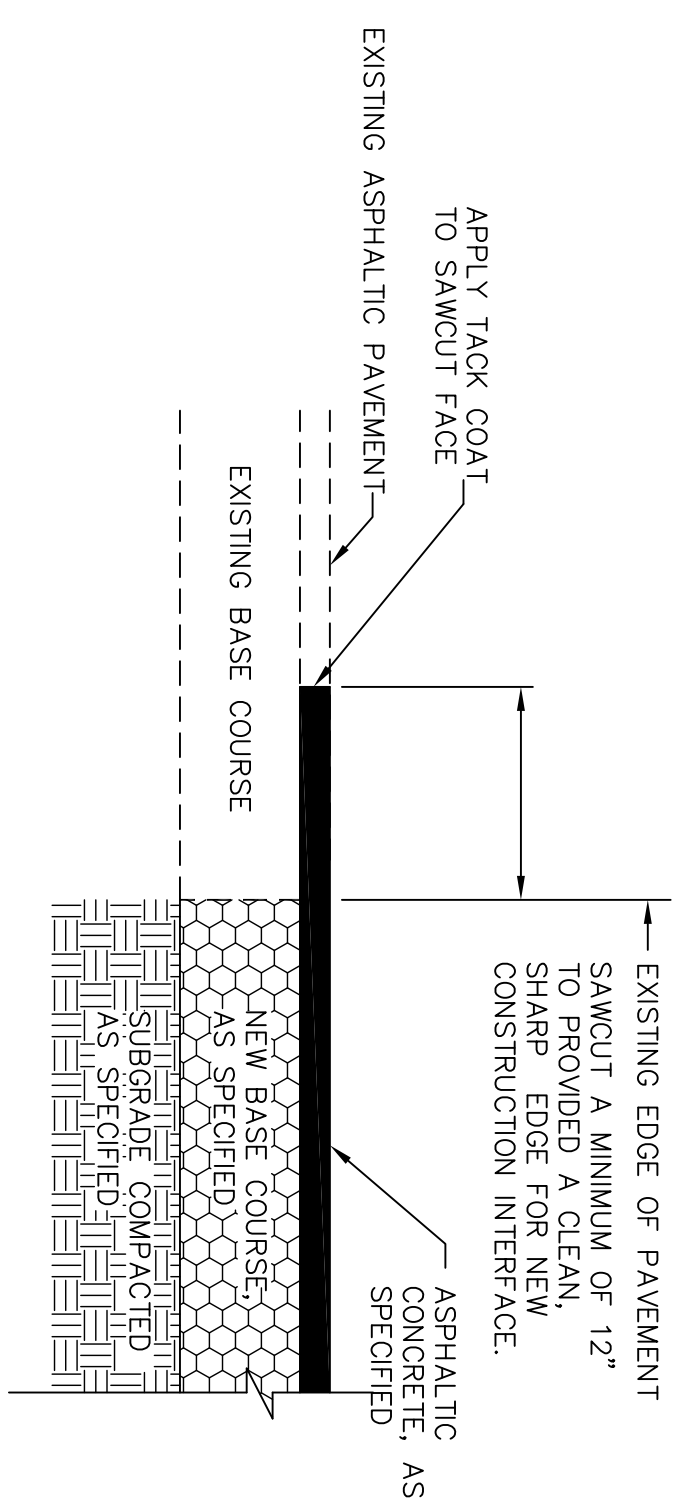
3 FLOWER WATERING STATION
N.T.S.






4 TYPICAL ASPHALT PAVEMENT SECTION
N.T.S.

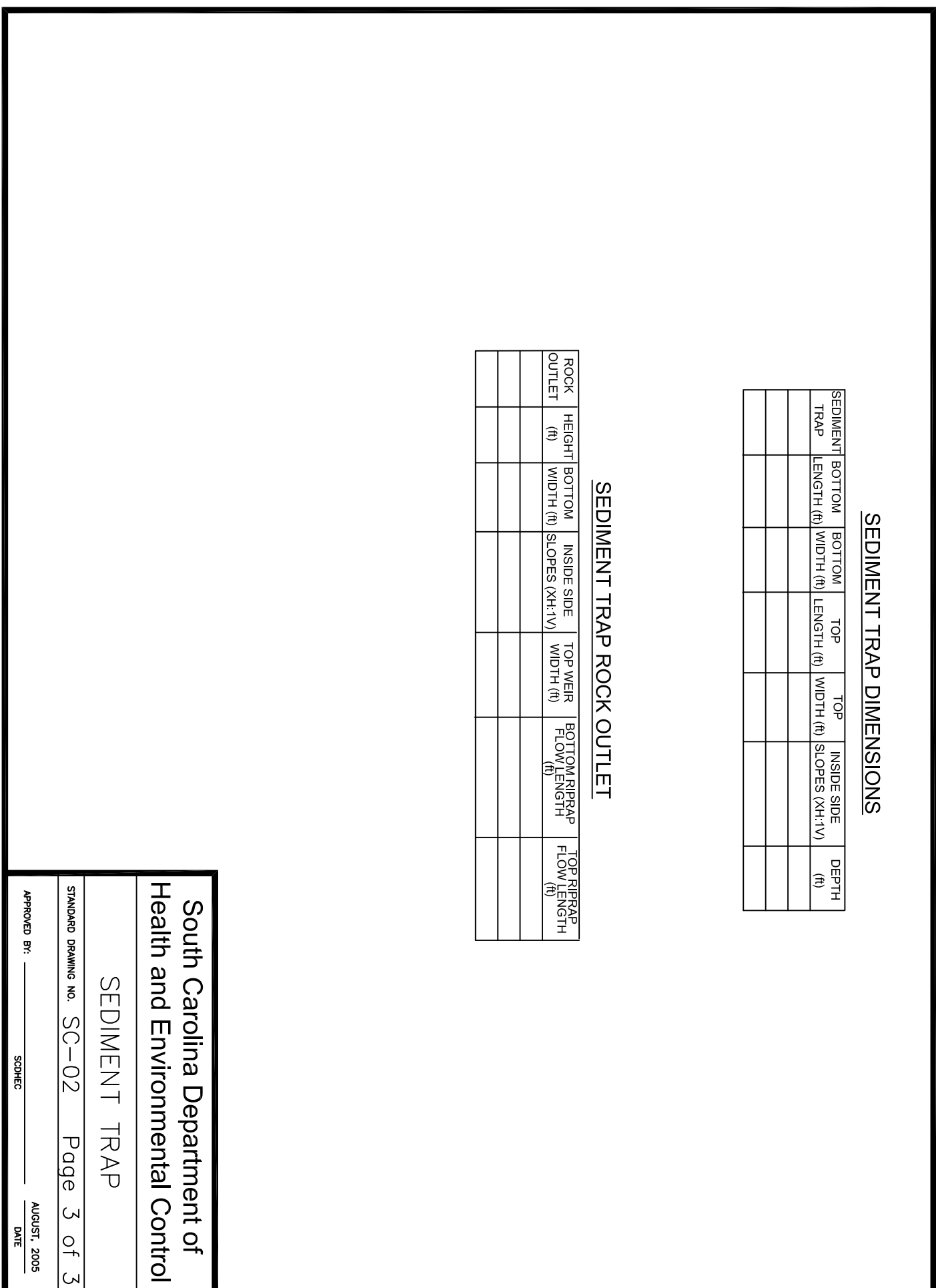
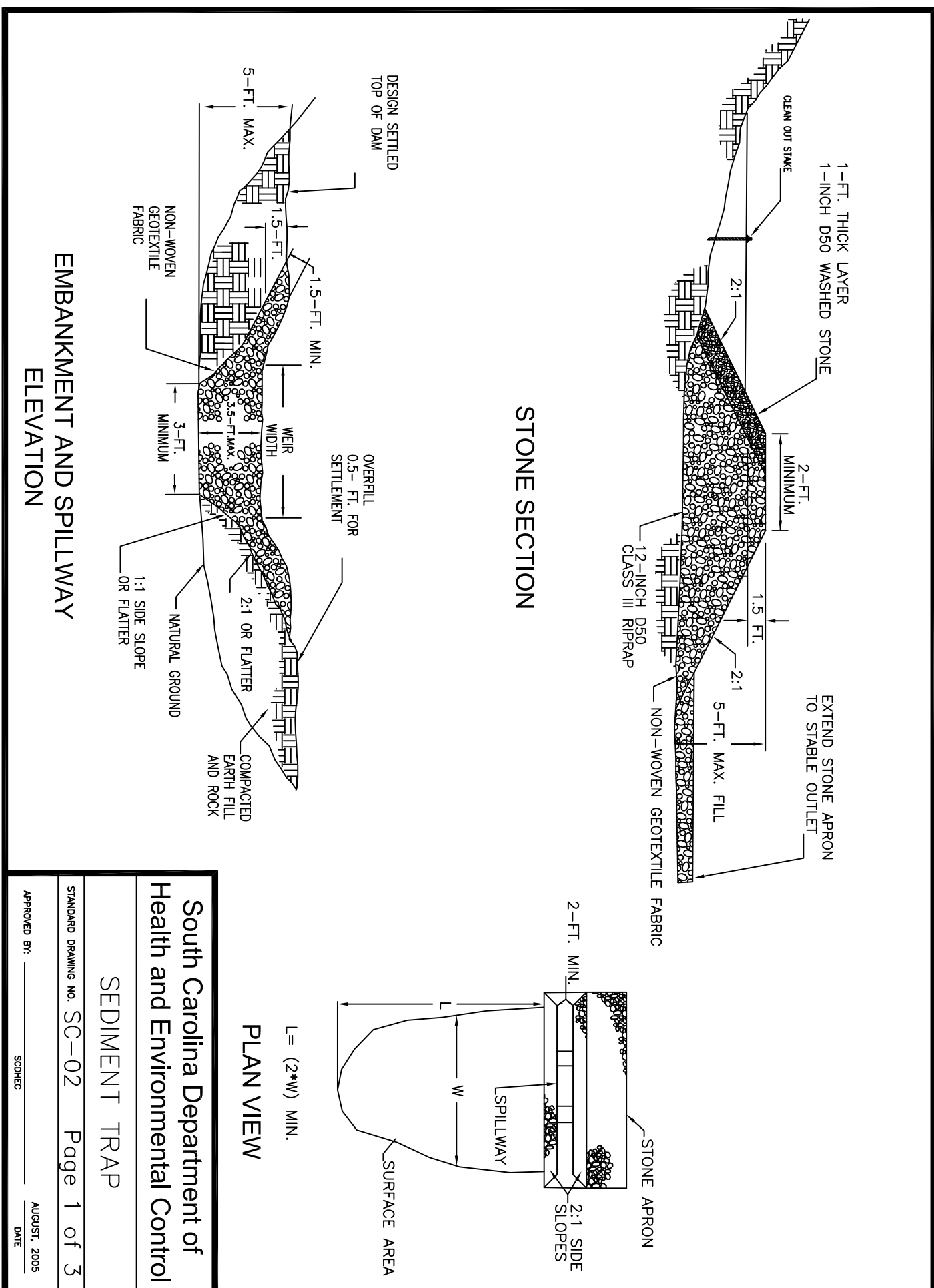
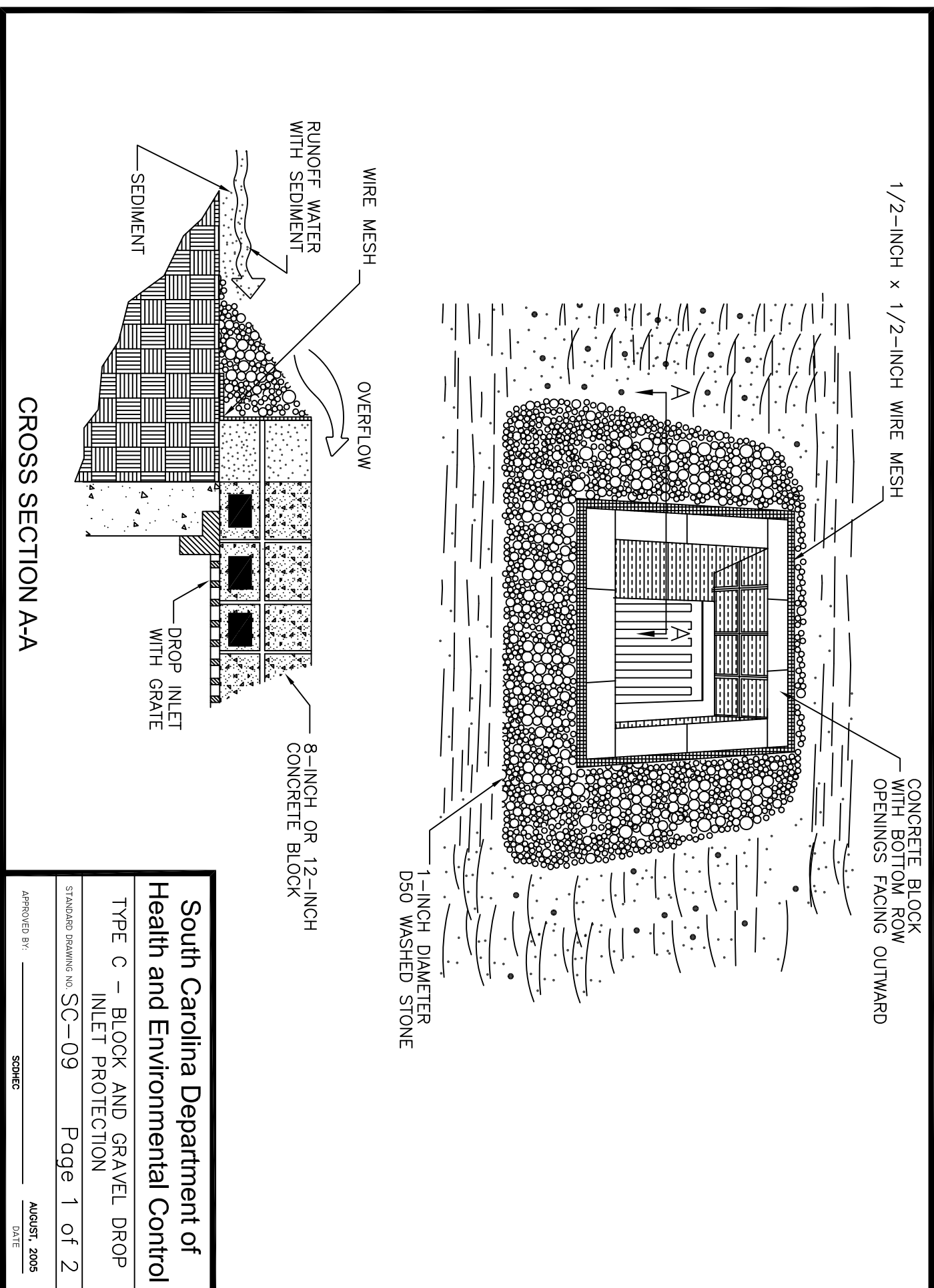


⑤ 24" ROLL-OVER PITCHED CURB
N.T.S.



7 NEW/EXISTING PAVEMENT INTERFACE
N.T.S.

<div>4</div> <div>TYPICAL ASPHALT PAVEMENT SECTION</div> <div>N.T.S.</div>		<div>5</div> <div>24" ROLL-OVER PITCHED CURB</div> <div>N.T.S.</div>		<div>6</div> <div>35% DESIGN</div>	
<div>Revisions</div>	<div>Date</div>	<div>ENGINEER & SURVEYOR:</div> <div></div> <div>AMEC Environment & Infrastructure, INC. 1075 BIG SHAWNY ROAD NW, SUITE 100 ALBUQUERQUE, NM 87104 (770) 421-5400</div> <div>AMEC PROJECT: 6151-13-0158</div>	<div>SUBCONSULTANT:</div> <div></div> <div>2231 Weatherstone Circle Convers, GA 30094 (770) 922-0884, fax (770) 760-8025</div>	<div>LOCATION:</div> <div>BEAUFORT NATIONAL CEMETERY 1601 BOUNDARY STREET BEAUFORT, SC 29902-3947</div>	
<div></div> <div>NATIONAL CEMETERY ADMINISTRATION</div>					
<div>Drawing Title</div> <div>CIVIL DETAILS 4</div>		<div>Project Title</div> <div>BEAUFORT NATIONAL CEMETERY EXPANSION</div>		<div>Date</div> <div>8 - 15 - 2013</div>	
<div>Approved: Director, Technical Support Service</div>	<div>Building Number</div>	<div>Checked</div>	<div>Drawn</div>	<div>Project No.</div> <div>831 CM 3014</div>	
<div>Approved: Chief, Architectural & Engineering Division</div>	<div>Location</div> <div>BEAUFORT, SC</div>		<div>DRAWING NO.</div> <div>C-504</div>		<div>Sheet 14 of 23</div>



BLOCK AND GRAVEL DROP INLET PROTECTION

Installation

Block and gravel filters can be used after heavy rains and higher velocities are expected and where an overflow capacity is necessary to prevent excessive pooling around the structure.

Over a shaft consist of 1-inch 150 Washed Stone and should extend to height equal to the elevation of the top of the blocks. Place the bottom row of the concrete blocks impregnable on their side so that the open end faces outward, not inward. The height of the barrier can be varied, depending upon design needs by stacking a combination of blocks that are 8- and 12-inches wide.

When mesh should be placed over the outside vertical face of the concrete blocks to prevent stones from being swept through the holes in the blocks. Hardware cloth or comparable wire mesh with $\frac{1}{2}$ -inch x $\frac{1}{2}$ -inch openings should be used.

Inspection and Maintenance

Inspections should be made every seven (7) calendar days and within 24-hours after each rainfall event that produces $\frac{1}{2}$ -inches or more of precipitation. Any needed repairs should be made immediately.

Sediment should be removed when it reaches approximately $1\frac{1}{2}$ the height of the blocks. If a sump is used, sediment should be removed when it fills approximately $1\frac{1}{3}$ the depth of the hole.

If the stone filter becomes clogged with sediment, the stones must be pulled away from the inlet and cleaned or replaced. Once clearing of gravel at a construction site may be difficult, an alternative approach would be to use the clogged stone on fill and pull fresh stone around the inlet.

Stems from inlet protection structures should be removed only after the disturbed area is permanently stabilized. Remove stems from the disturbed area as soon as possible to prevent erosion. Properly, Grade the disturbed area to the elevation of the drop inlet structure crest. Stabilize all bare areas immediately.

South Carolina Department of Health and Environmental Control	
TYPE C - BLOCK AND GRAVEL DROP INLET PROTECTION	
DESIGNED DRAWING BY	SC-09 Page 2 of 2
APPROVED BY	
DATE	
PROJECT NO.	
SCALE	
NOTES	

West, and others to USE IT.

Sediment traps should not be placed in waters of the state or USGS blue-line streams (unless approved by SCDEH or Federal authorities).

Installation:

Rock Outlet Structure Requirements:

The maximum sediment trap height shall be 5.4 feet. The maximum bottom width of the outlet trap shall be 3.5-feet. The minimum bottom flow width of the structure shall be 2-feet. The minimum trap length of the structure shall be 2-feet. The minimum trap length of the structure shall be 2-feet.

The most body of the outlet structure shall consist of 12-inch D60 class III riprap. The upstream face of the outlet structure shall consist of a 1-foot thick layer of 1-inch D20 washed stone. The maximum settlement of the rock structure shall be 2.1.

Install a non-woven geotextile filter fabric before installing the stone for the outlet structure. Allow the stone to extend downstream past the toe of the embankment.

All inside sediment trap slopes should be 3:1 or flatter.

Make the sediment channel level of trap with a stake in the bed. Seed and mulch all disturbed areas.

Specific and General:

The key to a functional sediment trap is continual monitoring, regular maintenance and regular sediment removal.

Remove sediment when it reaches 50% of storage volume or reaches the top of gravel side.

Regular inspections should be done every seven (7) calendar days and within 24-hours after each rainfall event that produces ½-inch or more of precipitation.

All temporary sediment traps should be removed within 30 days after final stabilization is achieved or after it is no longer needed.

Trapped sediment should be removed from, or stabilized on site.

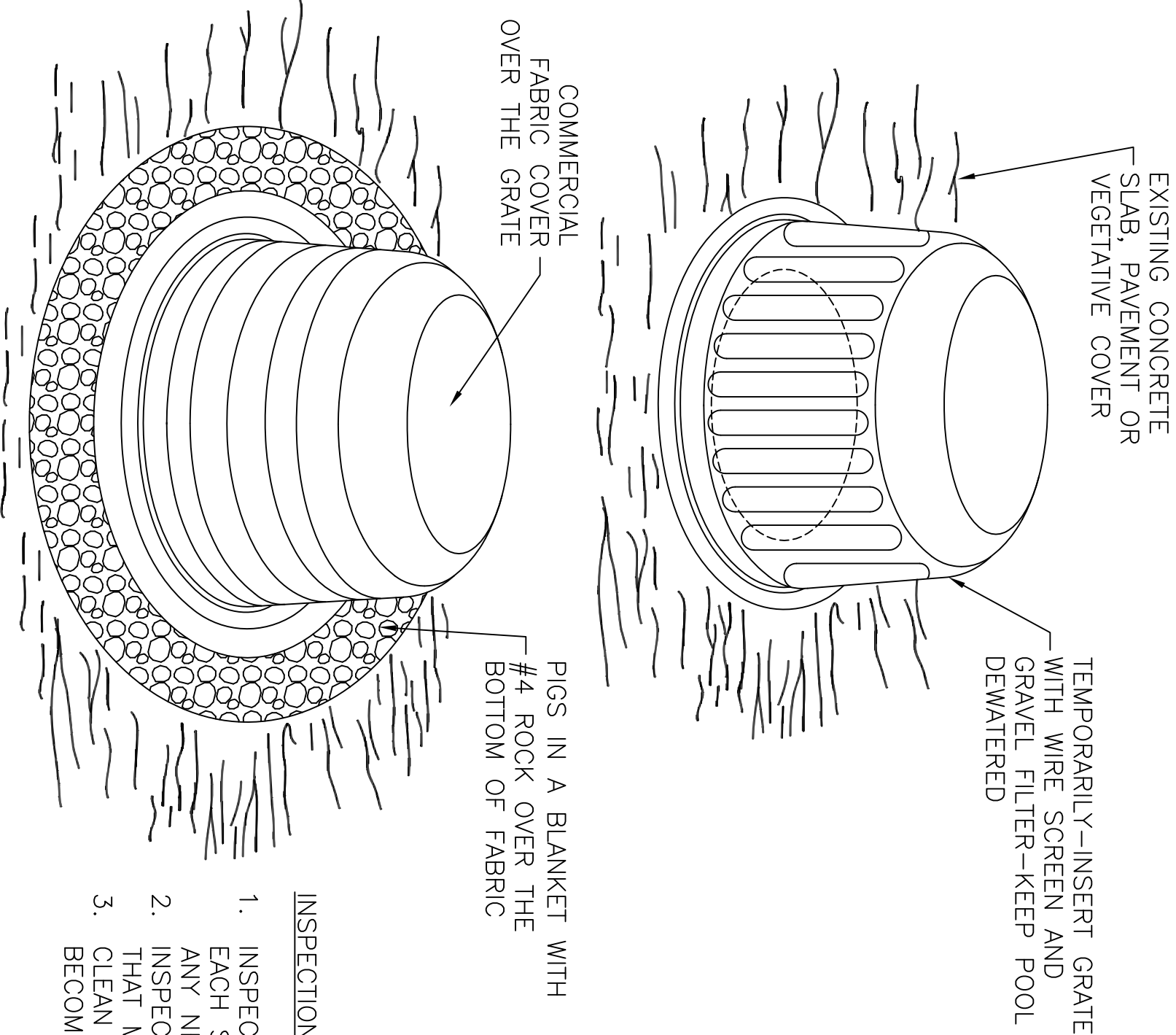
Disturbed areas resulting from the removal of the sediment traps should be permanently stabilized.

South Carolina Department of
Health and Environmental Control

SEDIMENT TRAP

STANDARD DRAWING SC-02 Page 2 of 3

APPROVED BY: DATE: REVISION: DATE: 04/02/2009

[illegible]

MATERIAL:

1. COMPOSED OF A GEOTEXTILE FABRIC CONNECTED TO A RIGID STRUCTURE. THE GEOTEXTILE FABRIC IS NON-BIOGRADABLE AND RESISTANT TO DEGRADATION BY ULTRAVIOLET EXPOSURE AND RESISTANT TO CONTAMINANTS COMMONLY ENCOUNTERED IN STORM WATER.
2. USE A RIGID STRUCTURE COMPOSED OF HIGH MOLECULAR WEIGHT, HIGH-DENSITY POLYETHYLENE COPOLYMER WITH A UV INHIBITOR. DO NOT USE STRUCTURES THAT ARE NOT REUSABLE AND RECYCLABLE.
3. USE A FILTER FABRIC CONSTRUCTED OF 100% CONTINUOUS POLYESTER NON-WOVEN ENGINEERING FABRIC. THE FILTER FABRIC IS FABRICATED TO PROVIDE A DIRECT FIT TO THE RIGID STRUCTURE AND ASSOCIATED WITH THE RIGID STRUCTURE.
4. RIGID INLET FILTERS ARE DESIGNED TO PROVIDE THE FIRST STAGE CONVEYS NORMAL FLOWS AT A MINIMUM CLEAN WATER FLOW RATE OF 100 GALLONS PER MINUTE PER SQUARE FOOT. THE SECOND STAGE CONVEYS HIGH FLOW RATES, WITH A MINIMUM APPARENT OPENING OF 0.5-INCH PER SQUARE INCH (NO. 12 STANDARD SIEVE OPENING).
5. RIGID INLET FILTERS COMPLETELY SURROUND THE INLET.
6. RIGID INLET FILTERS HAVE LIFTING DEVICES OR STRUCTURES TO ASSIST IN THE INSTALLATION AND TO ALLOW INSPECTION OF THE STORM WATER SYSTEM.
7. THE FILTER FABRIC IS CAPABLE OF REDUCING EFFLUENT SEDIMENT CONCENTRATIONS BY NO LESS THAN 80% UNDER TYPICAL SEDIMENT MIGRATION CONDITIONS.
8. SELECT APPLICABLE TYPE D INLET FILTERS FROM THE SODOT APPROVED PRODUCTS LIST.

INSTALLATION:

1. INSTALL RIGID INLET FILTERS IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. PROPERLY INSTALL RIGID INLET PROTECTION SO THE INLET IS COMPLETELY ENCLOSED.

D. MAINTENANCE:

EVERY 7 CALENDAR DAYS AND WITHIN 24-HRS. AFTER M M THAT PRODUCES 0.5 INCHES OR MORE OF RAIN. D REPAIR SHOULD BE HANDLED IMMEDIATELY. AFTER INSTALLATION TO INSURE THAT NO GAPS EXIST BETWEEN SEDIMENT FILTER AND THE STORM DRAIN. IT IS THE RESPONSIBILITY OF THE USER TO MAINTAIN AND COVERED OR CLOGGED WITH DEPOSITED SEDIMENT.

[illegible]

South Carolina Department of Health and Environmental Control	
TYPE D – RIGID INLET FILTER	
STANDARD FORM NO. _____	
APPROVED BY: _____	DATE: _____