

ISSUED TO BID
WILEY|WILSON COMM. NO.: 250095
JANUARY 14, 2026

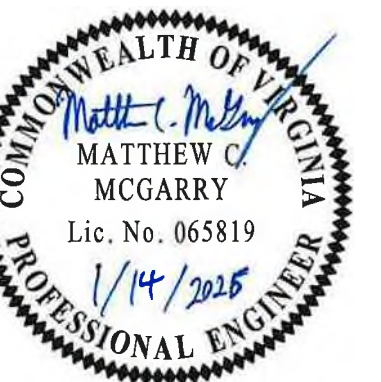


Sheet Number	Sheet Title
G-001	COVER SHEET
C-001	CIVIL GENERAL NOTES, LEGEND, AND OVERALL PLAN
C-101	EXISTING CONDITIONS AND DEMOLITION PLAN
C-102	NEW WORK PLAN
C-103	EROSION AND SEDIMENT CONTROL PLAN
C-401	EROSION AND SEDIMENT CONTROL NARRATIVE
C-402	EROSION AND SEDIMENT CONTROL DETAILS
C-501	CIVIL DETAILS
C-502	CIVIL DETAILS
S-501	STRUCTURAL REPAIRS

EMERGENCY - CITY OF STAUNTON
540-332-3896



WILEY | Wilson®
Constant Progress



CITY OF STAUNTON

STAUNTON WTP CLEARWELL COVER
REPLACEMENT

[illegible]

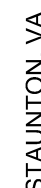
G-001	0
-------	---

REVISION DESCRIPTION

MRK	DATE
-----	------

STATION, VA

- | | |
|---|---------------|
| COMM NO: 250095 | |
| DATE: 01/14/2026 | |
| DRAWN: AKP | DESIGN: MCM |
| CHECK: AST | |
| SHEET TITLE | |
| CIVIL GENERAL NOTES,
LEGEND, AND OVERALL
PLAN | |
| SHT. NO.
C-001 | REV. NO.
0 |



CITY OF STAUNTON

REVISION DESCRIPTION

COMM NO: 250095

DATE: 01/14/2026

DRAWN: AKP	DESIGN: MCM
------------	-------------

CHECK: AST

SHEET TITLE

NEW WORK PLAN

SHT. NO.
C-102

1.	THE FLOATING COVER, FLOTATION TUBES, SURFACE SUMP DRAINS, BAFFLE CURTAINS, AND OTHER ACCESSORIES ARE SHOWN CONCEPTUALLY AND MUST BE DESIGNED BY THE COVER MANUFACTURER PER THE DELEGATED DESIGN REQUIREMENTS INCLUDED IN THE SPECIFICATIONS.
2.	PROVIDE OPENING IN REPLACEMENT COVER AROUND VAULT. CONTRACTOR TO FIELD VERIFY VAULT DIMENSIONS AND HEIGHT. ATTACH COVER TO VAULT PROVIDE SUFFICIENT MATERIAL TO ACCOMMODATE VERTICAL MOVEMENT OF THE COVER BETWEEN THE RESERVOIRS FULL AND EMPTY DEPTHS.
3.	PROVIDE REPLACEMENT HATCHWAY IN REPLACEMENT COVER. MATCH EXISTING LOCATION.
4.	ALL SURFACE AREAS EXPOSED TO MOVEMENT OF COVER DUE TO CHANGES IN WATER SURFACE ELEVATION SHALL BE COVERED WITH A WEARING SURFACE BARRIER
5.	WHERE PIPE PENETRATIONS ARE FLUSH WITH THE SURFACE OF THE EXISTING CONCRETE RESERVOIR FLOOR, PROVIDE OPENINGS IN THE LINER WITH BATTEN BOARD SEALS ANCHORED TO THE CONCRETE AROUND THE PIPE OPENINGS.
6.	NUMBER AND LOCATION OF FLOTATION TUBES SHALL BE DETERMINED BY CONTRACTOR FOR PROPER FLOTATION AND DRAINAGE OF THE COVER.
7.	CONTRACTOR SHALL PROVIDE SURFACE WATER DRAINAGE SYSTEM TO REMOVE RAINWATER FROM THE SURFACE OF THE FLOATING COVER. PROVIDE SURFACE WATER REMOVAL SYSTEM.
8.	REPOWER THE SUMP PUMP FROM EXISTING CIRCUIT ON THE CONCRETE VALVE VAULT. FIELD VERIFY CIRCUIT VOLTAGE AND CURRENT RATING PRIOR TO ORDERING PUMPING EQUIPMENT. NOTIFY ENGINEER IF FIELD CONDITIONS VARY FROM SPECIFIED POWER SUPPLY FOR THE PUMP.



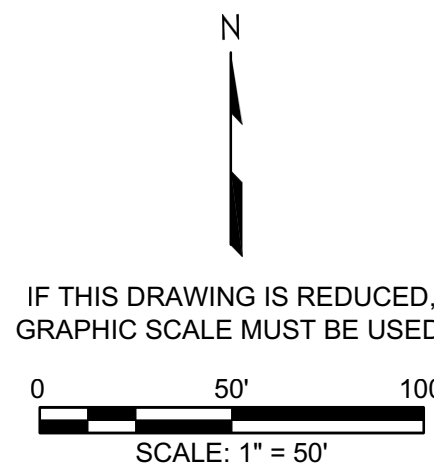
1
C-102



2
C-102



3
C-10



 **Wiley | Wilson®**
Constant Progress

127 Nationwide Drive | Lynchburg, VA 24502
434.947.1901 | wileywilson.com | 100% Employee-Owned

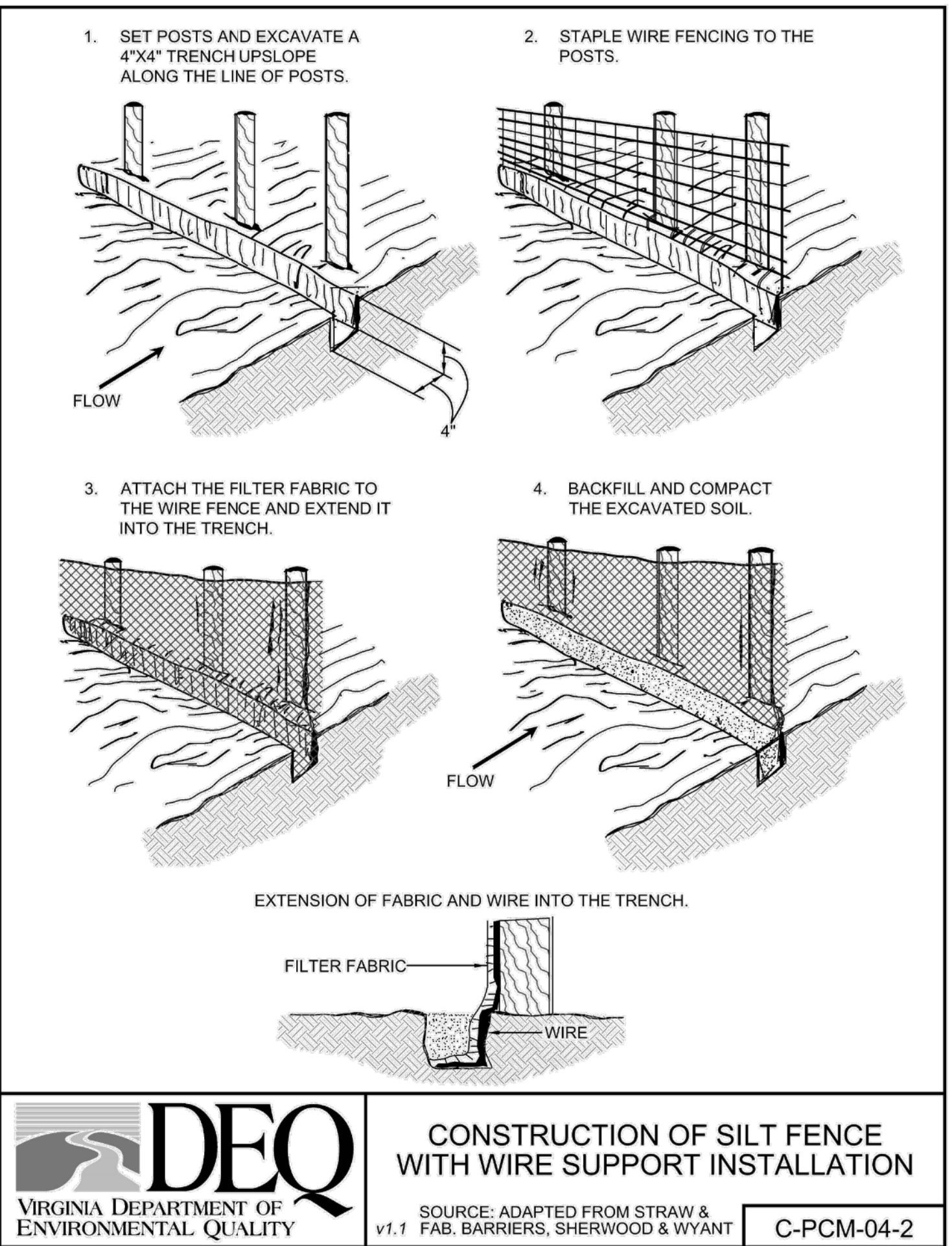


CITY OF STAUNTON

STAUNTON WTP CLEARWELL COVER
REPLACEMENT

[illegible]

IT. NO. C-401	REV. NO. 0
------------------	---------------



PERENNIAL RYEGRASS WILL GERMINATE FASTER AND AT LOWER SOIL TEMPERATURES THAN FESCUE, THEREBY PROVIDING COVER AND EROSION RESISTANCE FOR SEEDBED.

****USE SEASONAL NURSE CROP IN ACCORDANCE WITH SEEDING DATES AS STATED BELOW:**

ANNUAL RYE:	MARCH, APRIL THROUGH MAY 15TH
FOXTAIL MILLET:	MAY 16TH THROUGH AUGUST 15TH
ANNUAL RYE:	AUGUST 16TH THROUGH SEPTEMBER, OCTOBER
WINTER RYE:	NOVEMBER THROUGH FEBRUARY

LIME & FERTILIZER SPECIFICATIONS:

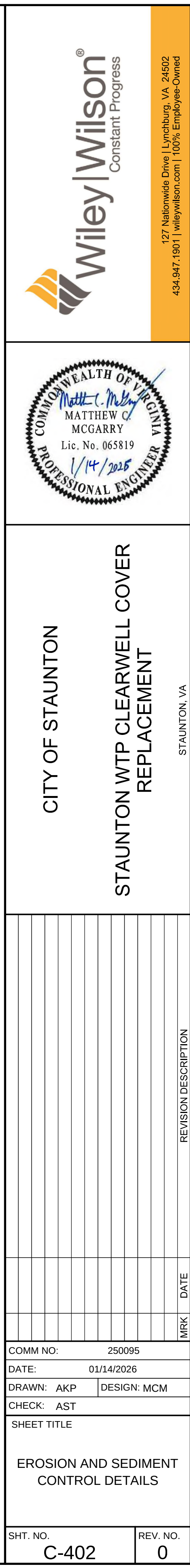
A SOILS TEST IS REQUIRED PRIOR TO FINAL SITE STABILIZATION. TO DETERMINE LIME AND FERTILIZER APPLICATION RATES FOR THE ESTABLISHMENT OF GRASS ON SITE. CONTACT VIRGINIA COOPERATIVE EXTENSION OR A GEOTECHNICAL FIRM WITH SOIL TESTING FACILITIES TO OBTAIN A SOILS REPORT FOR NUTRIENT APPLICATION.

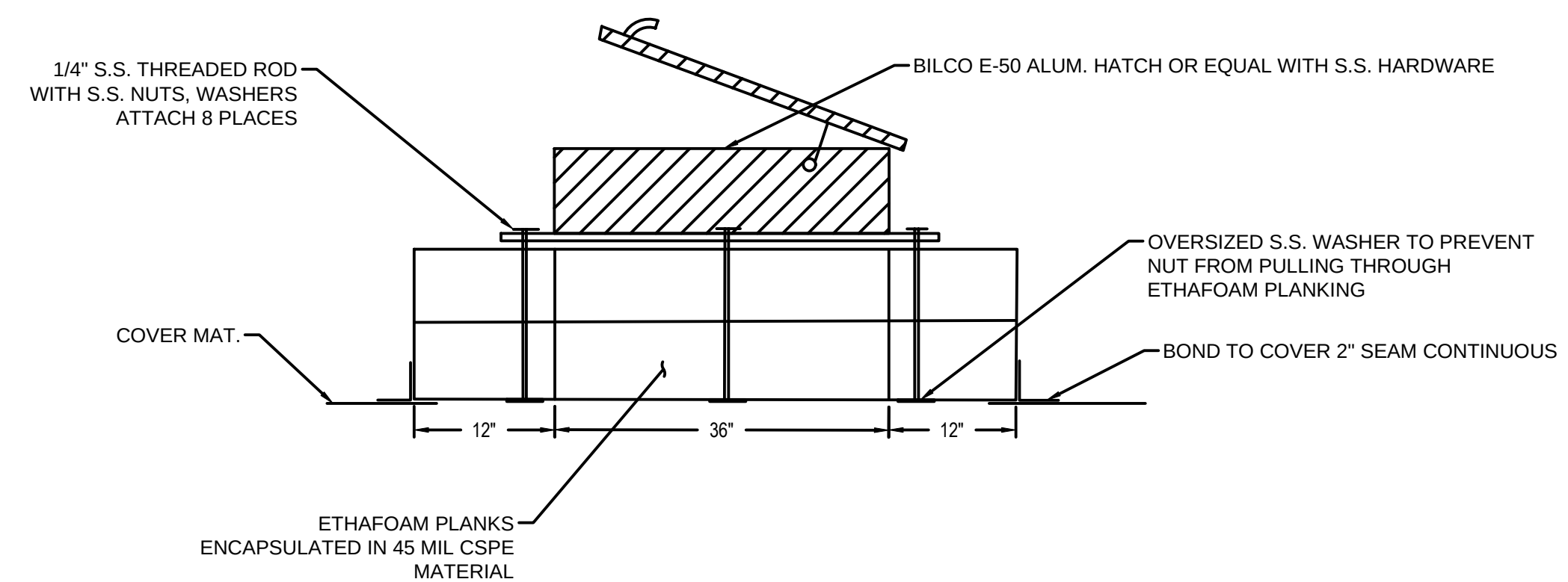
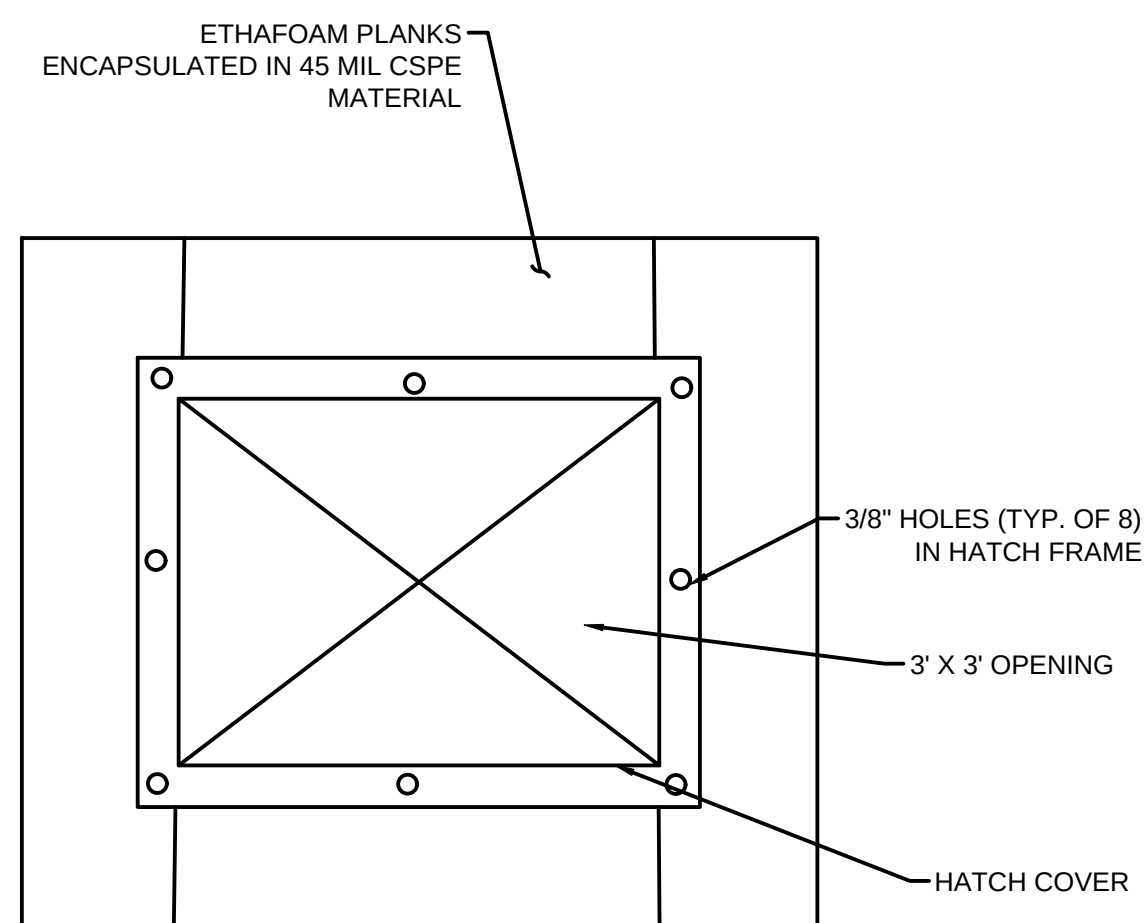
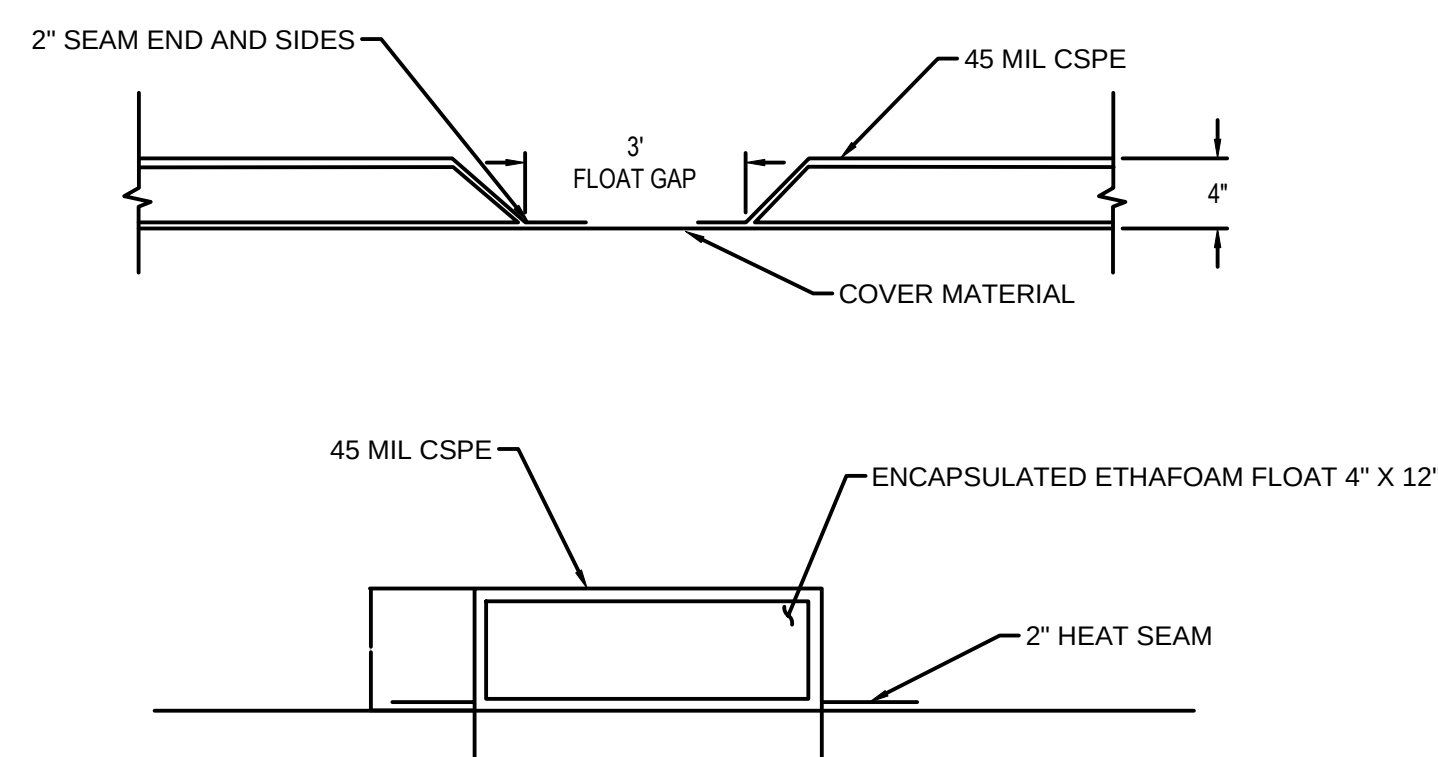
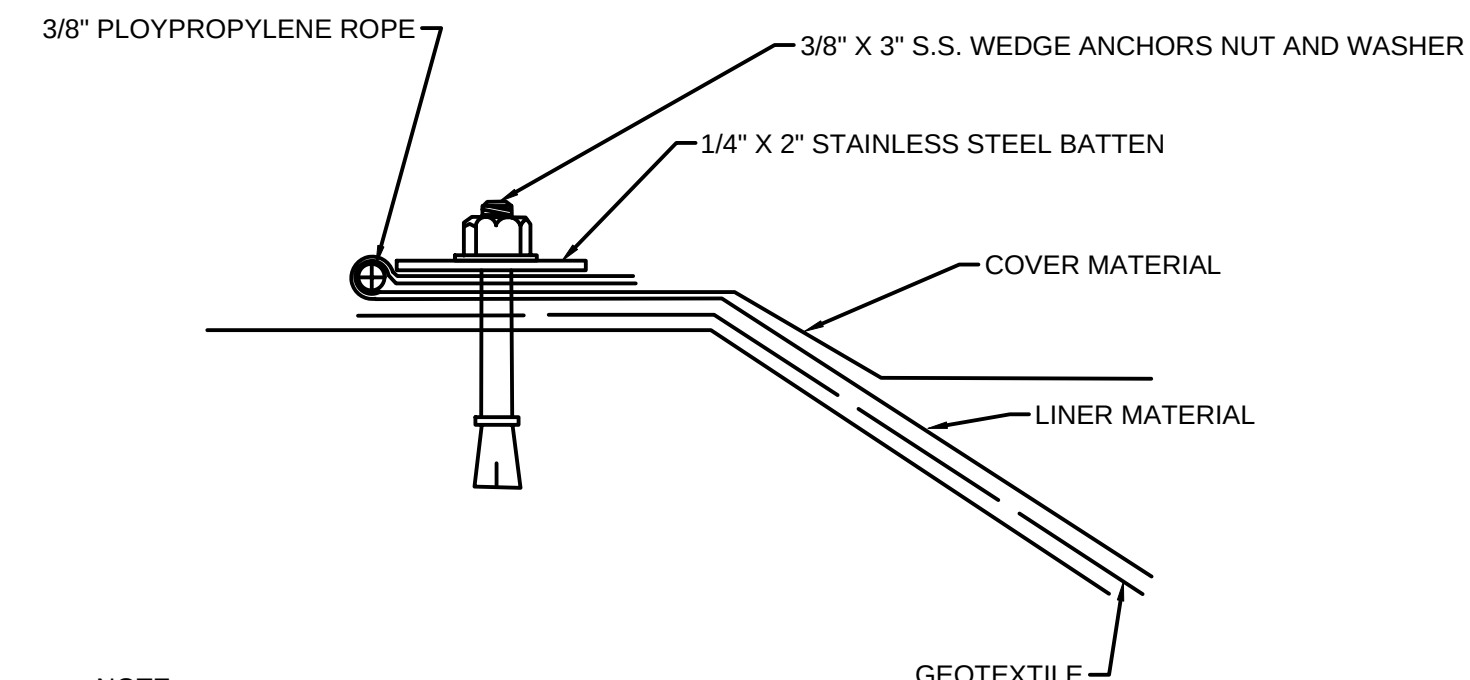
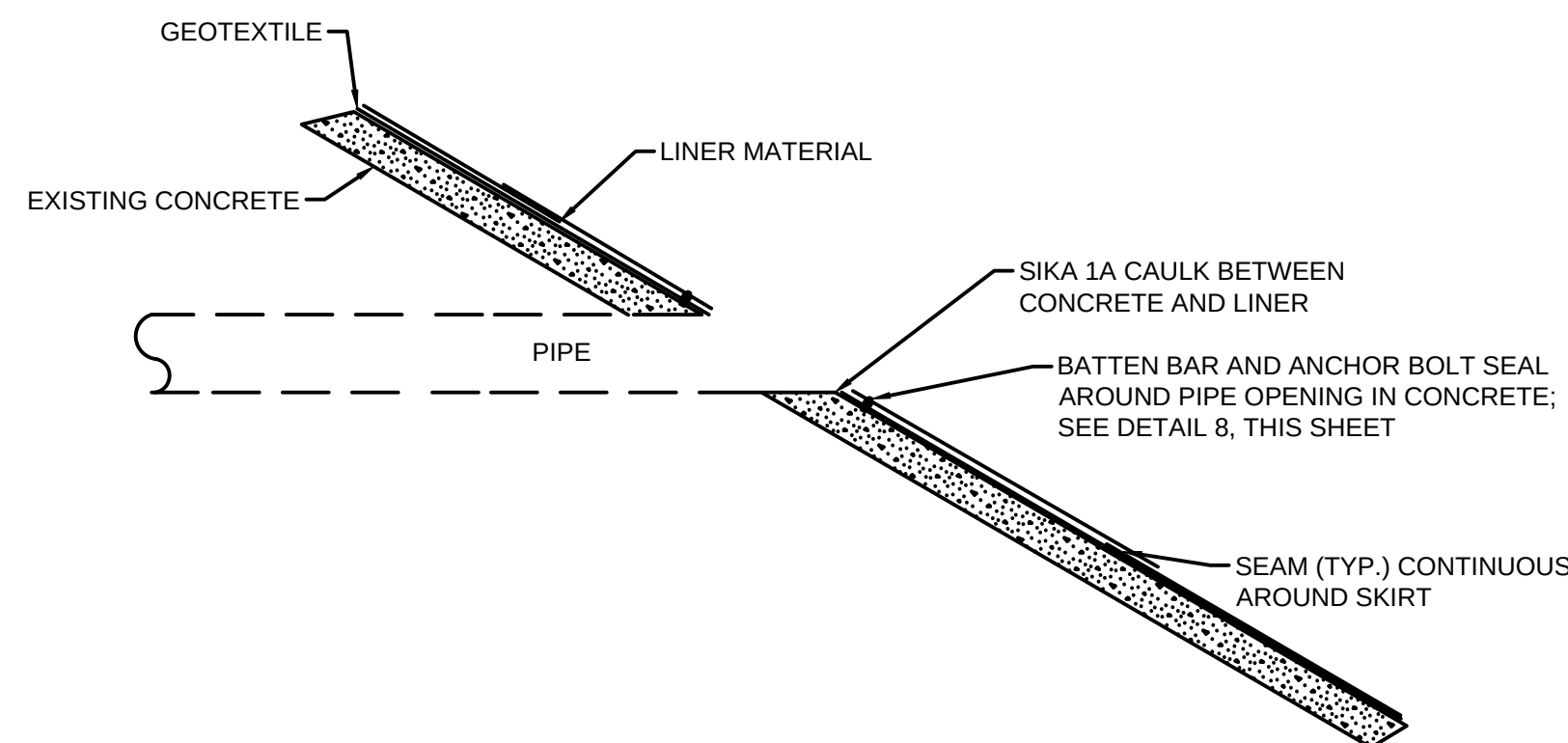
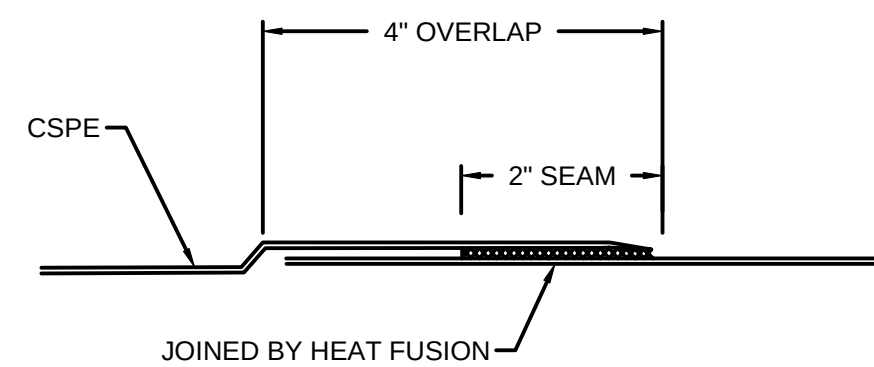
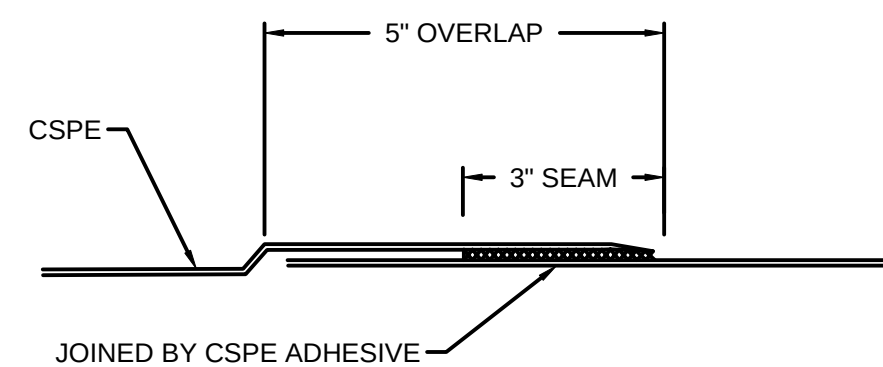
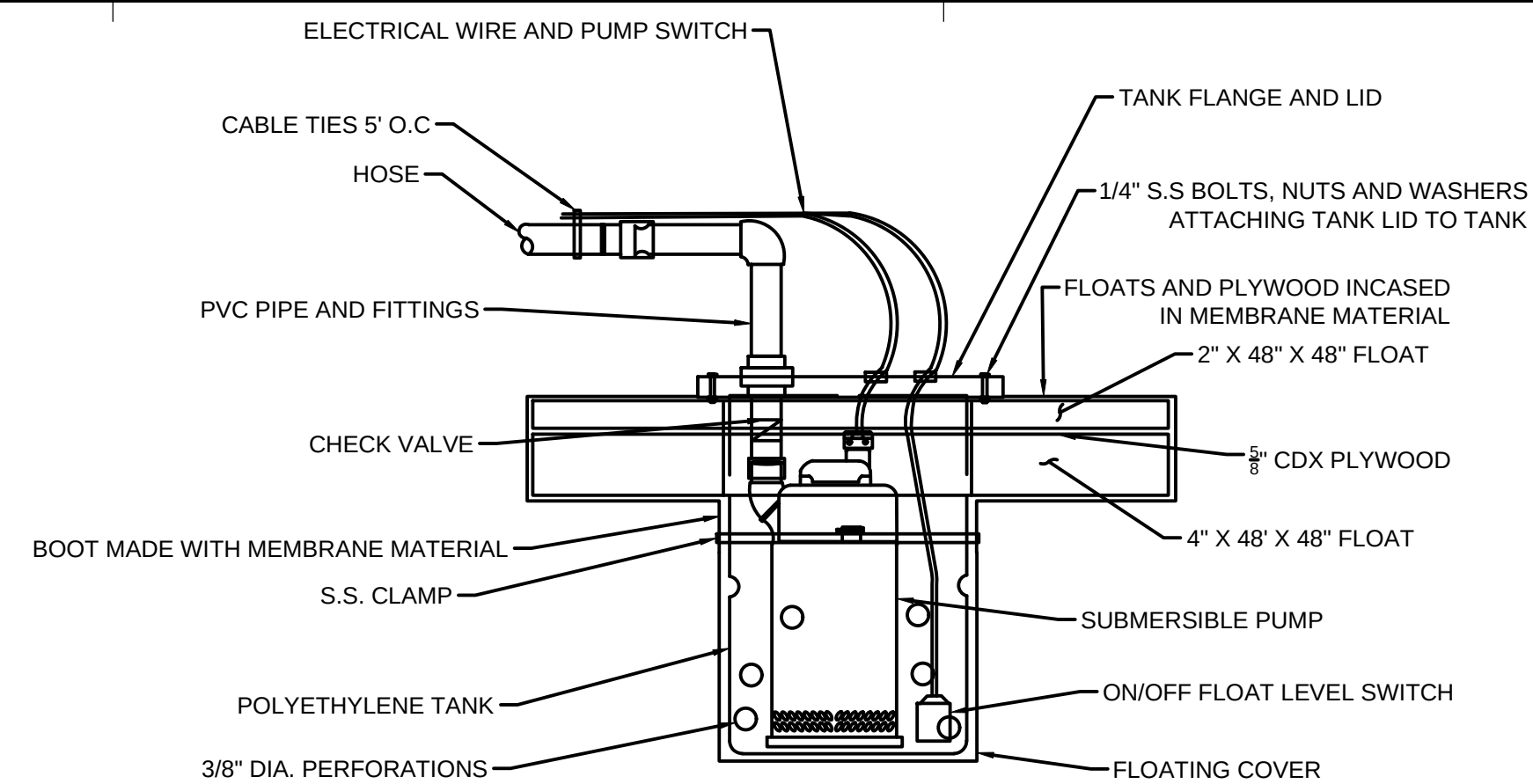
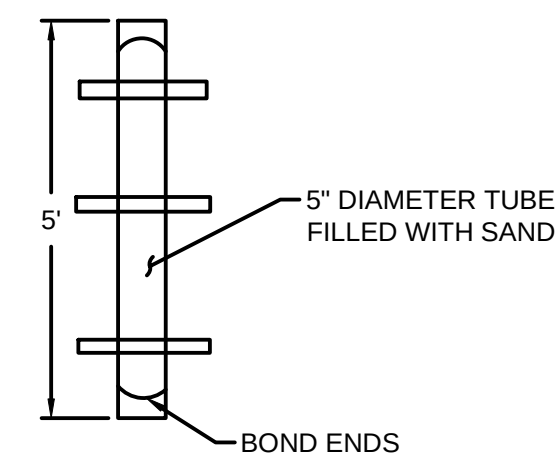
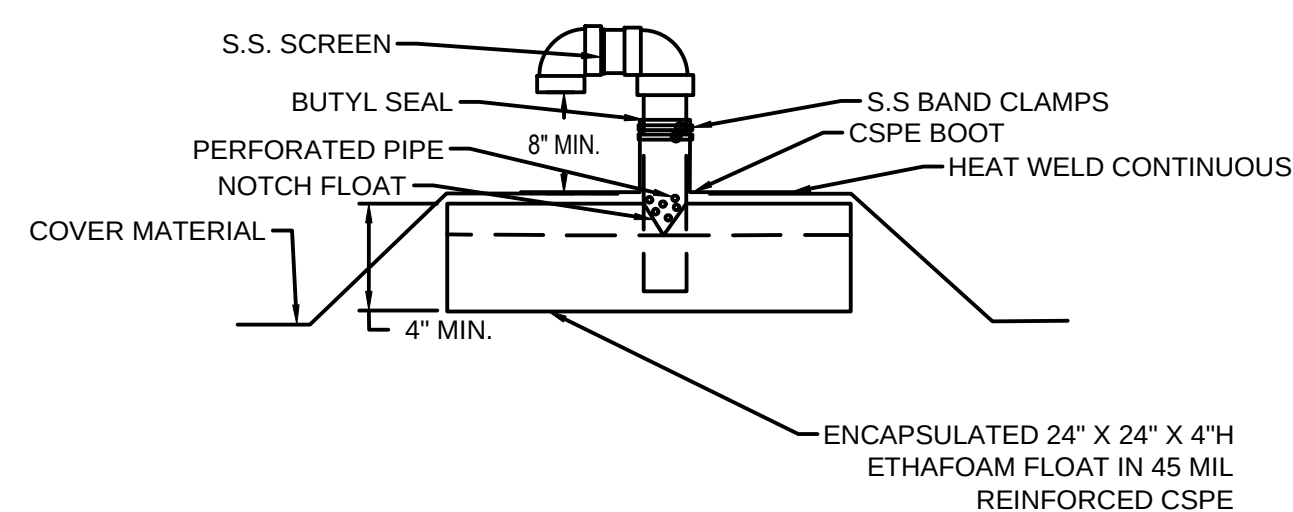
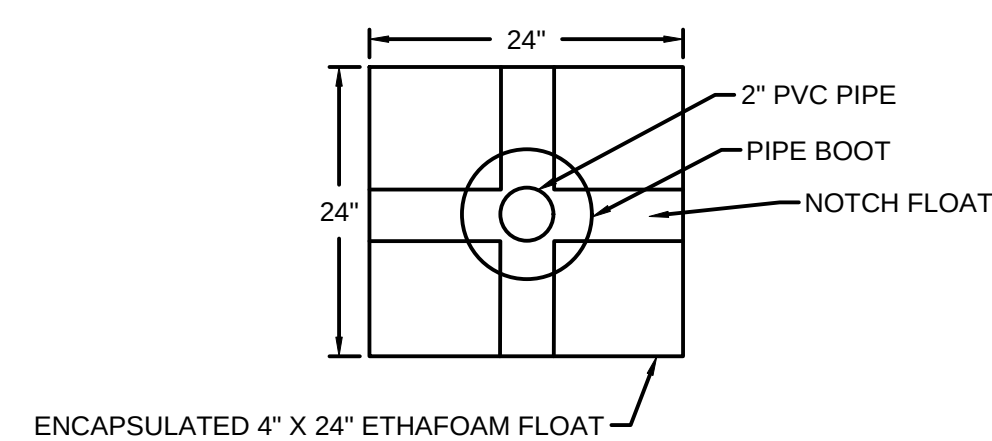
INCORPORATION:

LIME AND FERTILIZER SHALL BE INCORPORATED INTO THE TOP 4 INCHES OF TOPSOIL BY DISCING OR OTHER MEANS WHENEVER POSSIBLE. FOR EROSION CONTROL, WHEN APPLYING LIME AND FERTILIZER WITH A HYDROSEEDER, APPLY TO A ROUGH, LOOSE SURFACE.

MULCHING:

MULCH WITH STRAW AT A RATE OF 2 TONS/ACRE OR EQUIVALENT.





Wiley|Wilson®
Constant Progress

127 Nationwide Drive | Lynchburg, VA 24502
434.947.1901 | wileywilson.com | 100% Employee-Owned

127 Nationwide Drive | Lynchburg, VA 24502
434.947.1901 | wileywilson.com | 100% Employee-Owned



CITY OF STAUNTON

STAUNTON WTP CLEARWELL COVER
REPLACEMENT

STAUNTON WTP CLEARWELL COVER REPLACEMENT

STAUNTON, VA

[illegible]

COMM NO: 250095	
DATE: 01/14/2026	
DRAWN: SKS	DESIGN: WRM
CHECK: GKT	
SHEET TITLE	

DATE:	01/14/2026
-------	------------

DRAWN: SKS	DESIGN: WRM
------------	-------------

CHECK: GKT

SHEET TITLE

CIVIL DETAILS

SHT. NO. C-501	REV. NO. ----
-------------------	------------------

REV. NO.



REVISION DESCRIPTION

COMM NO:	250095
----------	--------

DATE:	01/14/2026
-------	------------

DRAWN: SKS	DESIGN: WRM
------------	-------------

CHECK: GKT

SHEET TITLE

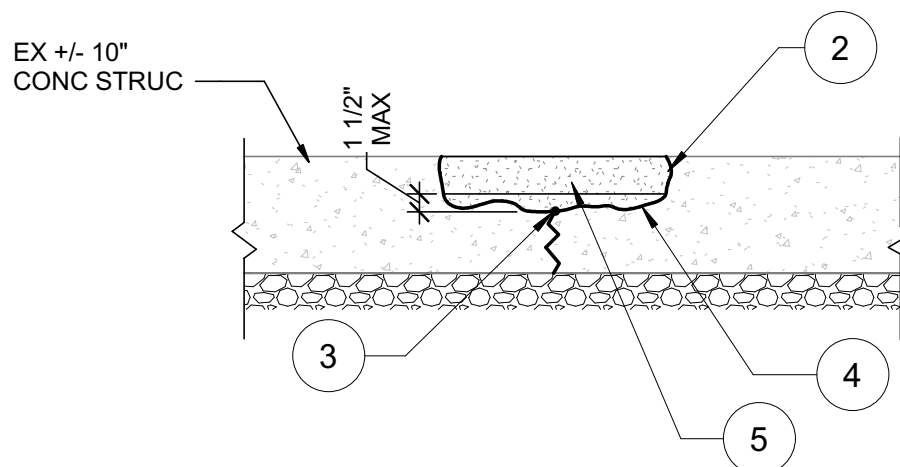
SHEET TITLE

CIVIL DETAILS

SHT. NO.	REV. NO.
----------	----------

C-502	----
-------	------



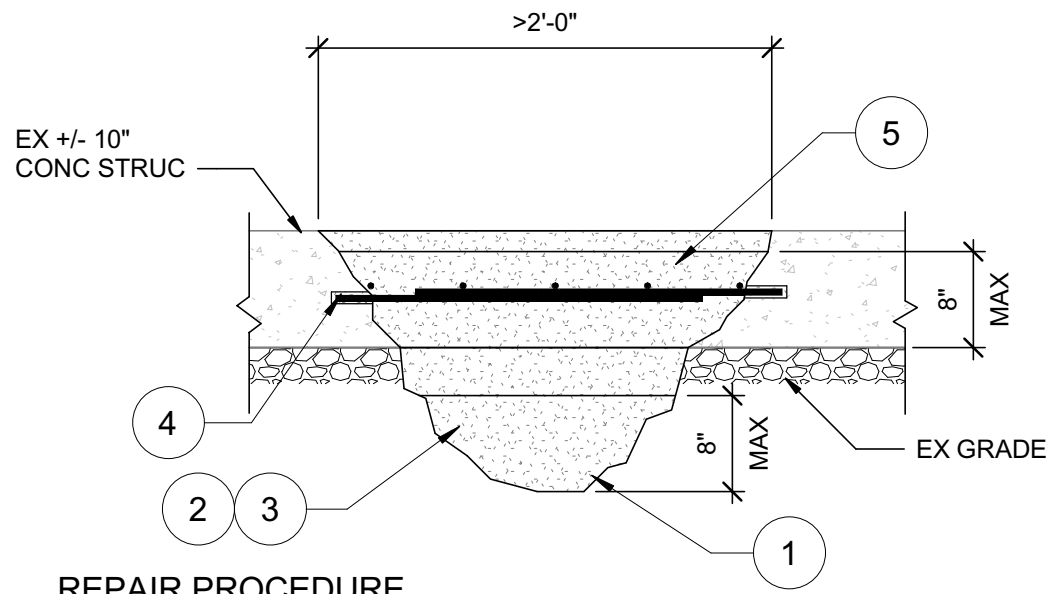


NOTE: FOR SPALL DEPTH GREATER THAN 10", ASSUME FULL THICKNESS AND REPAIR PER DETAIL D6

REPAIR PROCEDURE

1. INSPECT VOID BELOW TO REMOVE ANY ORGANICS AND STANDING WATER.
2. FILL VOID BELOW SLAB W/ SIKACRETE 211 SCC+ IN MAXIMUM OF 8" LIFTS.
3. INCLUDE VOIDS UP TO 8-INCH DEPTH IN REPAIR UNIT PRICE. DEPTHS GREATER THAN 8-INCHES TO BE FILLED W/ SUITABLE SOILS PER THE UNSUITABLE SOILS REPLACEMENT UNIT PRICE
4. FOR REPAIR OF SPALLED CONCRETE, SEE DETAIL D4 THIS SHEET.
5. FOR SPALL AREA GREATER THAN 2'-0" X 2'-0", SEE DETAIL B6 THIS SHEET.

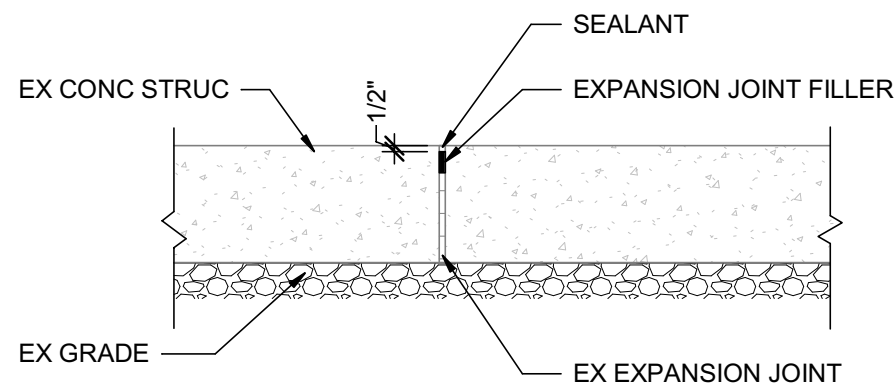
D6 CONCRETE SPALL REPAIR, FULL DEPTH



REPAIR PROCEDURE

1. INSPECT VOID BELOW TO REMOVE ANY ORGANICS AND STANDING WATER.
2. FILL VOID BELOW SLAB W/ SIKACRETE 211 SCC+ IN MAXIMUM OF 8" LIFTS.
3. INCLUDE VOIDS UP TO 8-INCH DEPTH IN REPAIR UNIT PRICE. DEPTHS GREATER THAN 6-INCHES TO BE FILLED W/ SUITABLE SOILS PER THE UNSUITABLE SOILS REPLACEMENT UNIT PRICE
4. PLACE #4 REBAR @ 10" OC EW @ MID DEPTH OF EXISTING CONCRETE. DOWEL MIN 3" EA SIDE W/ HILTI-HY200 OR APPROVED EQUIVALENT.
5. FOR REPAIR OF SPALLED CONCRETE, SEE DETAIL 84 THIS SHEET.

B6 FULL DEPTH REPAIR (> 2'-0"X2'-0")
NOT TO SCALE:

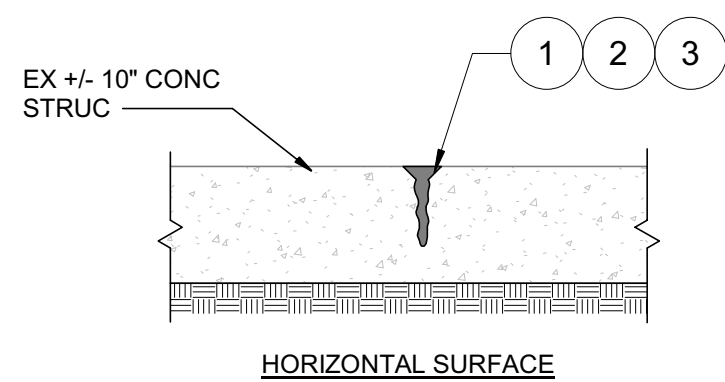


REPAIR PROCEDURE:

1. CHIP OR CUT OUT EXISTING SEALANT AND EXPANSION JOINT FILLER.
2. CLEAR DEBRIS FROM JOINT AND SURFACE
3. APPLY EXPANSION JOINT FILLER PER MANUFACTURER SPECIFICATIONS AND PROCEDURES.
EXPANSION JOINT MATERIALS TO MEET ASTM D1751, ASPHALT SATURATED CELLULOSTIC FIBER.
4. SEAL JOINT OVER FILLER MATERIAL. JOINT SEALANT TO MEET SILICONE, S. NS, 100/50, NT; SINGLE-COMPONENT, NONSAG, PLUS 100 PERCENT AND MINUS 50 PERCENT MOVEMENT CAPABILITY, NONTRAFFIC USE, NEUTRAL-CURING SILICONE JOINT SEALANT; ASTM C820, TYPE S, GRADE NS, CLASS 100/50, USE NT. APPLY PER MANUFACTURER SPECIFICATIONS AND PROCEDURES.

A6 REPAIR FOR EXISTING EXPANSION JOINT

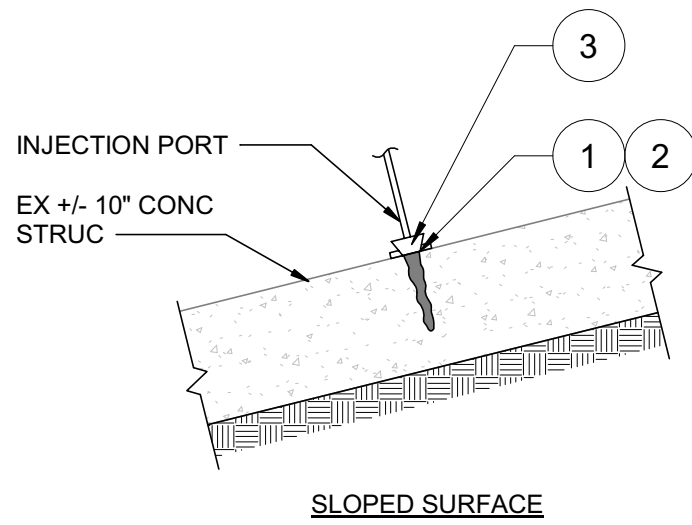
D4 CONCRETE SPALL REPAIR - PARTIAL DEPTH
NOT TO SCALE:



REPAIR PROCEDURE

HORIZONTAL SURFACE

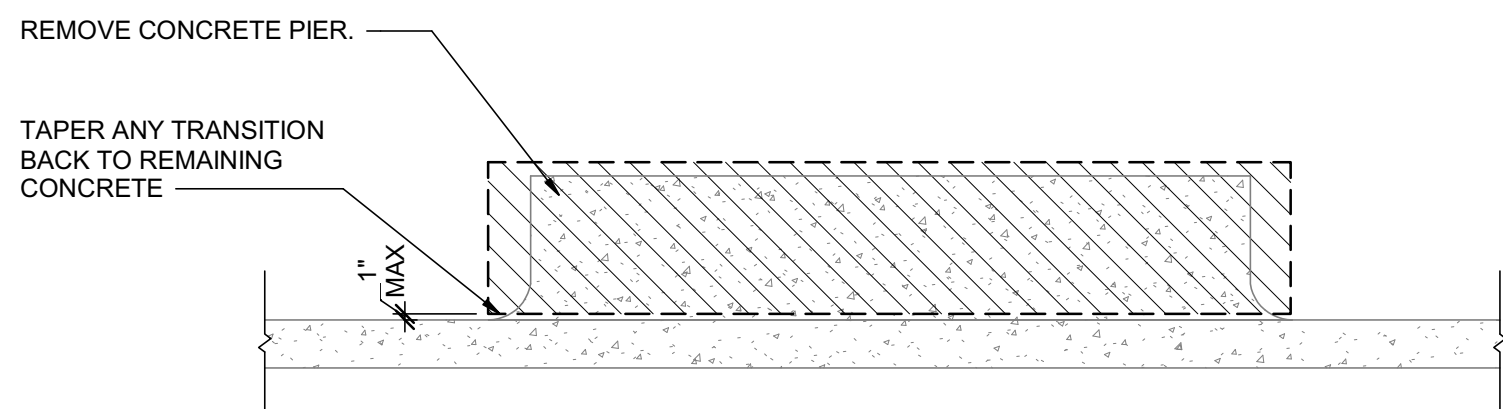
1. ROUTE ALONG CRACK WITH GRINDER TO FORM A V-NOTCH 1/2" WIDE X 1/2" DEEP.
2. BLOW OUT THE V-NOTCH WITH OIL-FREE COMPRESSED AIR.
3. FILL V-NOTCH WITH TWO COMPONENT LOW-VISCOSITY EPOXY RESIN ADHESIVE, BASIS OF DESIGN IS SIKA CRACK FIX.
4. MONITOR VOLUME OF MATERIAL THAT IS POURED INTO JOINT AND STOP WORK IF IT APPEARS THAT MATERIAL IS POURING THROUGH TO BACK SIDE OF UN-OBSERVABLE FACE OF CONCRETE.
5. FOLLOW ALL MANUFACTURER'S INSTRUCTIONS FOR EPOXY RESIN ADHESIVE.



SLOPED SURFACE

1. USE BLAST CLEANING OR EQUIVALENT MECHANICAL MEANS TO ACHIEVE A CLEAN, SOUND SURFACE.
2. APPLY SIKAFLEX 1A TO TOP SURFACE OF CRACK AROUND INJECTION POINTS SPACED AT 2'-0" ON CENTER MAXIMUM
3. PRESSURE INJECT HYDROPHOBIC, LOW VISCOSITY, MOISTURE ACTIVATED POLYURETHANE RESIN, BASIS OF DESIGN IS PRIME RESINS PRIME FLEX 920.
4. MONITOR VOLUME OF MATERIAL THAT IS POURED INTO JOINT AND STOP WORK IF IT APPEARS THAT MATERIAL IS POURING THROUGH TO BACK SIDE OF UN-OBSERVABLE FACE OF CONCRETE.
5. FOLLOW ALL MANUFACTURER'S INSTRUCTIONS FOR POLYURETHANE RESIN APPLICATION.

B4 REPAIR FOR CRACKED CONCRETE (UP TO 1/4" WIDTH)
NOT TO SCALE:



NOTE: IF CONCRETE IS REMOVED BELOW SURROUNDING SURFACE PATCH BACK PER DETAIL B4 ON THIS SHEET.

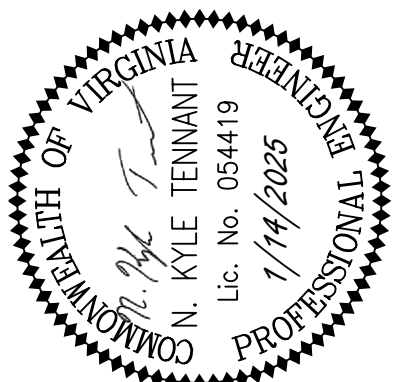
A4 PIER DEMO DETAIL

A. GENERAL SELECTIVE CONCRETE DEMOLITION AND REPAIR NOTES

1. ALL WORK MUST BE IN GENERAL COMPLIANCE WITH THE INTERNATIONAL BUILDING CODE 2021.
2. FURNISH ALL LABOR AND MATERIALS NECESSARY TO PERFORM THE DEMOLITION WORK IN A COMPLETED MANNER SUCH THAT REPAIR WORK CAN BE INSTALLED WITH MINIMUM PREPARATION.
3. CONTRACTOR MUST INCLUDE IN THE SCOPE OF WORK ALL ASPECTS OF REQUIRED DEMOLITION, SHORING OF EXISTING STRUCTURE, STAGING THE REPAIR TASKS AND SCHEDULING THE WORK IN A MANNER APPROVED BY THE BUILDING MANAGEMENT, CLEAN UP AFTER PORTIONS OF WORK ARE PERFORMED AND CLEAN UP AFTER THE ENTIRE REPAIR IS COMPLETED.
4. CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL TEMPORARY SHORING AND BRACING REQUIRED FOR DEMOLITION OPERATIONS. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF AND PROCEDURES FOR THE REQUIRED TEMPORARY SHORING. TEMPORARY SHORING MUST BE IN CONFORMANCE WITH OSHA REGULATIONS.
5. THE CONTRACTOR MUST TAKE PRECAUTIONS TO PREVENT DAMAGE OF THE EXISTING STRUCTURE. IN THE EVENT OF DAMAGE, CONTRACTOR IS RESPONSIBLE FOR REMEDIATING DAMAGES.
6. SCHEDULE ALL WORK IN A CAREFUL MANNER WITH ALL NECESSARY CONSIDERATION FOR FACILITY OPERATIONS, AND FACILITY PERSONNEL. ANY DAMAGE TO PERSON OR PROPERTY AS A RESULT OF DEMOLITION AND RELATED WORK IS THE RESPONSIBILITY OF THE CONTRACTOR.
7. ERECT BARRIERS FENCES, GUARDRAILS, WARNING DEVICES AND SHORING TO PROTECT PERSONNEL WORKING IN THE AREA.
8. SUBMIT PROCEDURES AND SCHEDULE PROPOSED FOR THE ACCOMPLISHMENT OF THE DEMOLITION WORK TO THE OWNER FOR APPROVAL. INCLUDE SAFE CONDUCT OF THE WORK, DISPOSITION OF MATERIALS, PROTECTION OF REMAINING PROPERTY AND COORDINATION WITH OTHER WORK.
9. CONCRETE DEMOLITION OBJECTIVES ARE PROVIDED IN THESE DOCUMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SELECT THE MEANS AND METHODS APPROPRIATE TO ACHIEVE THESE OBJECTIVES. ENGINEER OF RECORD WAS NOT ABLE TO OBSERVE THE EXISTING CONCRETE SURFACE CONDITION DUE TO EXISTING BASIN REQUIREMENT TO REMAIN IN SERVICE AND EXISTING COVERINGS. THE DETAILS PROVIDED HERE ARE OUR BEST ENGINEERING JUDGEMENT OF EXPECTED EXISTING CONDITIONS. ONCE THE BASIN IS CLOSED AND DRAINED THE EOR WILL OBSERVE ACTUAL DISTRESS AND MODIFY DETAILS AS REQUIRED TO MEET THE INTENT, THAT IS TO PRESERVE THE STRUCTURAL INTEGRITY OF THE BASIN.
10. ALL APPROVED EQUALS MUST BE SUBMITTED TO STRUCTURAL EOR FOR APPROVAL

ABBREVIATIONS:

CONC	CONCRETE
EX	EXISTING
NTS	NOT TO SCALE
STRUC	STRUCTURE
MIN	MINIMUM



CITY OF STAUNTON

STAUNTON WTP CLEARWELL COVER
REPLACEMENT

[illegible]

COMM NO:		250095	
DATE:		01/14/2026	
DRAWN:	AED	DESIGN:	NKT
CHECK:		NKT	

SHEET TITLE

STRUCTURAL DEMO AND REPAIR DETAILS

SHT. NO. S-501

REV. NO.