INPUT DATA FOR JOB PLAN 23.0

Fill in the information identified in the blocks that are highlighted. This information will be populated onto the Job Plan.

Producer: _____

¼ Section: SE

Section: _____

Township: _____

Range: _____

County: Ziebach

Drawing No: _____

Sheet #: _____ of Sheet#: _____

DESIGNERS INFORMATION:

Designed By: _____ Design Date: _____

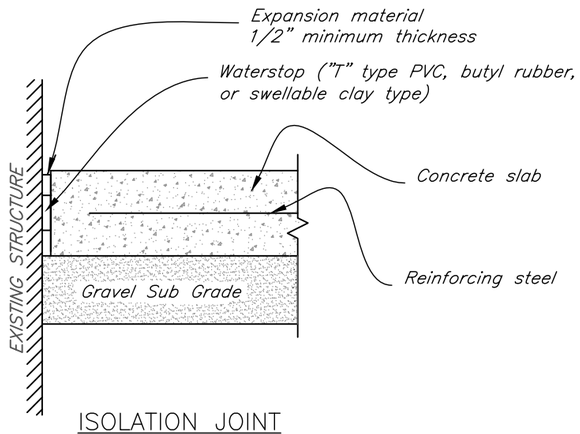
Drawn By: _____ Drawn Date: _____

Checked By: _____ Check Date: _____

Estimated Steel Reinforcement Quantity		
Bars	Quantity (lin ft)	Quantity (lb)
#4 Bars		

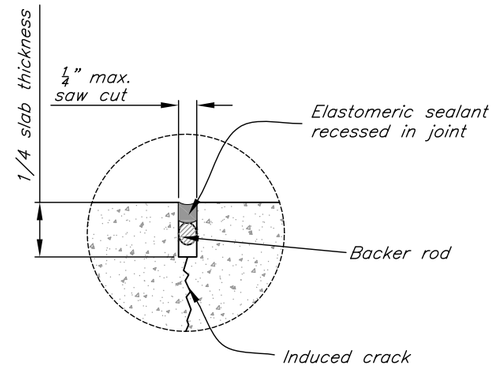
Estimated Concrete Quantities		
Item	Concrete Quantity (cu yd)	Gravel Subgrade Quantity (cu yd)

Concrete Slab Thickness: 6" Slab



ISOLATION JOINT

For use against buildings, structures, or existing concrete



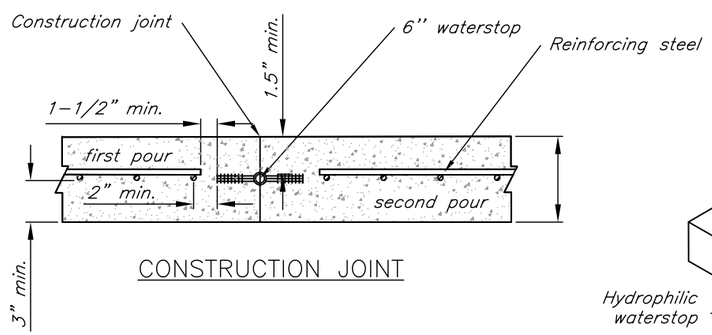
CONTROL JOINT

WATERSTOP NOTES

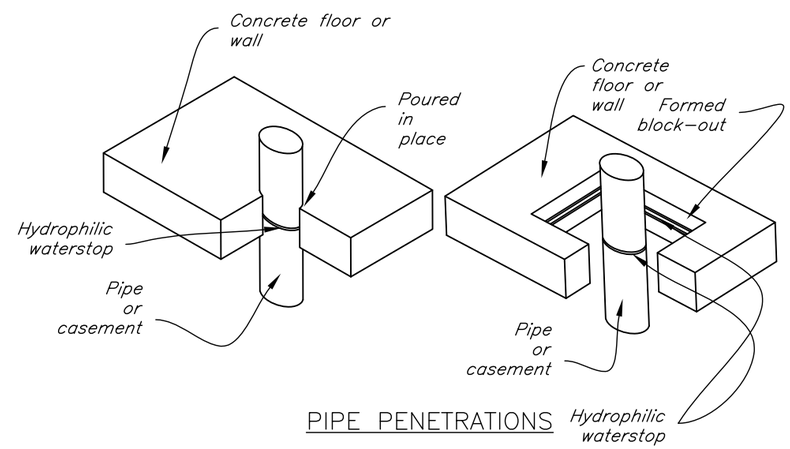
1. Waterstops must provide a continuous seal throughout all concrete slabs, pads, and walls.
2. Waterstops shall be manufactured PVC, thermoplastic elastomeric rubber, polyethylene, or other product as approved prior to concrete installation.
3. Waterstop installation must strictly follow manufacturer's installation instructions.
4. All water line or other pipe penetrations shall be made watertight with waterstops as shown on this sheet.
5. Waterstop material and installation shall be approved by the engineer prior to concrete being poured.

GENERAL CONCRETE NOTES

1. Curbs may be added to flatwork to allow easier manure handling.
2. All concrete must meet requirements of construction specification SD-12A – Concrete. The concrete mix shall be a 4,000 psi mix. Concrete mix design shall be submitted to NRCS for approval prior to concrete installation.
3. Concrete reinforcement shall be inspected by an NRCS representative prior to being covered by a concrete pour.
4. All concrete shall have a 4" thick subgrade placed directly below the concrete. The concrete subgrade shall consist of sand or gravel material.
5. Control joints shall be cut or formed in flatwork at 20' intervals each way.
6. All flatwork concrete shall have reinforcement steel (#4 bars) placed at 18" on center spacing. See details this sheet.
7. A grooved concrete surface is recommended in areas of high cattle traffic to provide traction.
8. Construction joints shall be made watertight. They shall be constructed with keyways or dowels as needed to prevent slab heaving.
9. Splices of reinforcement bars shall be greater than 15" in length.
10. Tack welding of reinforcement is not permitted.



CONSTRUCTION JOINT

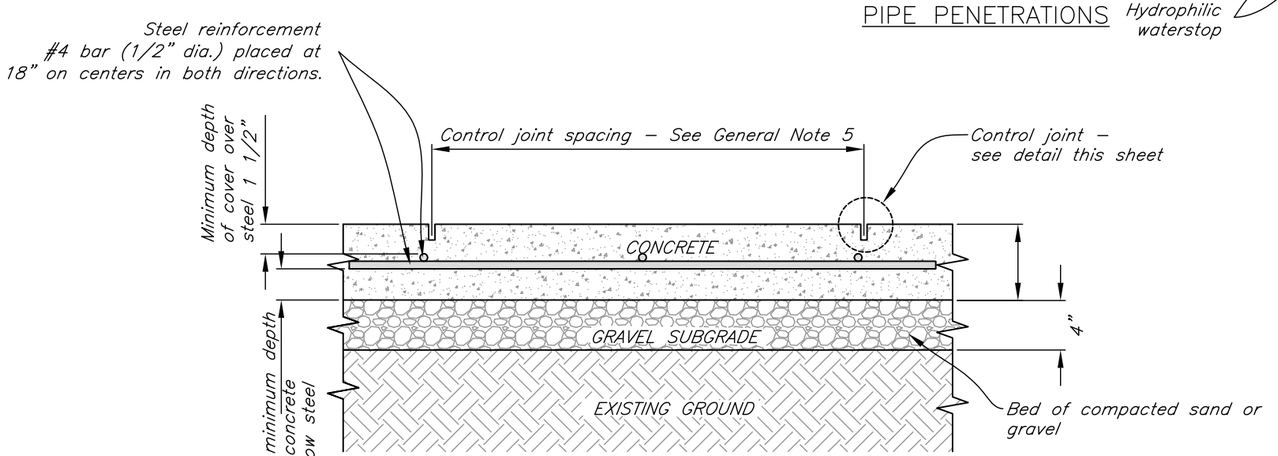


PIPE PENETRATIONS

Estimated Steel Reinforcement Quantity		
Bars	Quantity (lin ft)	Quantity (lb)
#4 Bars		

Note: Steel reinforcement quantity does not include splices.

Estimated Concrete Quantities		
Item	Concrete Quantity (cu yd)	Gravel Subgrade Quantity (cu yd)



TYPICAL CONCRETE FLATWORK

Guidelines for Concrete Thickness	
Loading	Recommended Thickness
Medium equipment – small tractors w/loaders, skidsteers, and/or low traffic areas	5"
Heavy equipment – spreaders, payloaders, trucks, large tractors, and/or heavy traffic areas	6"

JOB PLAN 23.0 05/2012

REVISIONS		
DATE	APPROVED	TITLE
05/29/12	Jay B. Cobb	SCE – SD

Date

Designed

Drawn

Checked

Approved

County, SD

CONCRETE SLAB FOR SOLID MANURE STORAGE

NRCS Natural Resources Conservation Service United States Department of Agriculture

File No. 23-0.dwg

Drawing No.

Sheet of