



May 17, 2004

OKLAHOMA BULLETIN NO. OK210-4-9

SUBJECT: ENG – Heavy Use Area Protection

Purpose: To announce revision of OK-ENG-1 and to provide guidance and drawings for application of the Heavy Use Area Protection standard.

Expiration Date: September 30, 2004

The Heavy Use Area Protection (561) conservation practice standard was initially released in Oklahoma in April 2002 and is currently being revised. To facilitate application of Heavy Use Area Protection by field service center staff, two changes are being made with this bulletin.

1. The Engineering Job Approval Authority (EJAA) Controlling Factor and Classes are being revised on OK-ENG-1. Following is the new controlling criteria for Heavy Use Area Protection:

Practice Code	Practice Name	Controlling Factor	Units	Class I	Class II	Class III	Class IV	Class V
561	Heavy Use Area Protection	<u>Surface Treatment</u>						
		Vegetation	Ac	None	1	5	10	All
		Rock	Ft ²	None	1,000	3,000	5,000	All
		Concrete	Ft ²	None	1,000	3,000	5,000	All

Field service center staff wishing to apply Heavy Use Area Protection will need to work with their Resource Engineer to secure the appropriate level of EJAA. Form OK-ENG-1 has been revised to include these changes. In addition to these changes, the EJAA has been revised to include numerous other changes requested by the national office.

2. Two drawings have been developed to assist field service center staff in application of Heavy Use Area Protection. Drawing OK-HU-1 Draft has been developed to protect areas with rock and geotextile. Drawing OK-HU-2 Draft is to be used to protect areas with concrete. Both drawings are attached for your use.

Both the Heavy Use Area Protection standard and the two draft drawings are in the process of being revised. If you have comments on improvements that can be made to either of these two, please contact Darren Hickman, Environmental Engineer, at 405.742.1255.

/s/ John Glover, acting for
M. DARREL DOMINICK
State Conservationist

Attachments

DIST: AE

HEAVY USE AREA PROTECTION (Rock)

Cooperator _____ Legal Description _____

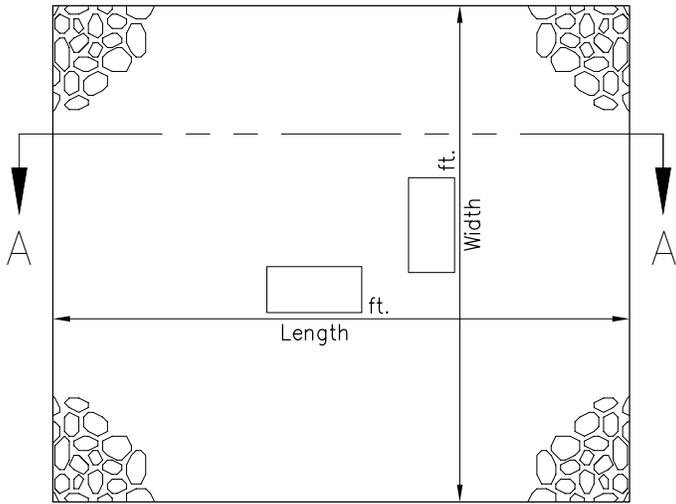
I.D. No. _____ Field No. _____ Structure No. _____

Designed By _____ Approved By _____ Date _____

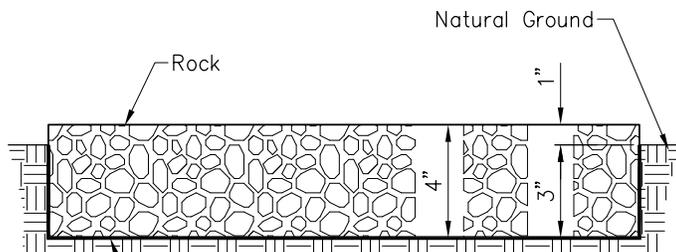
Eng. Job Class I II III IV V
 (circle one)

Notes:

- * Treated area shall extend a minimum of 15' in width from watering and feeding facilities
- * Geotextile is Class I, 8 oz., Nonwoven with 18" laps
- * Rock is 3" maximum crushed rock



PLAN



SECTION A-A



Sketch

Quantities:

Rock _____ Cu. Yds. | (x1.5) = _____ Tons

Geotextile _____ Sq. Ft.

Excavation _____ Cu. Yds.

Remarks: _____

This practice meets NRCS specifications.

 Signature

 Date

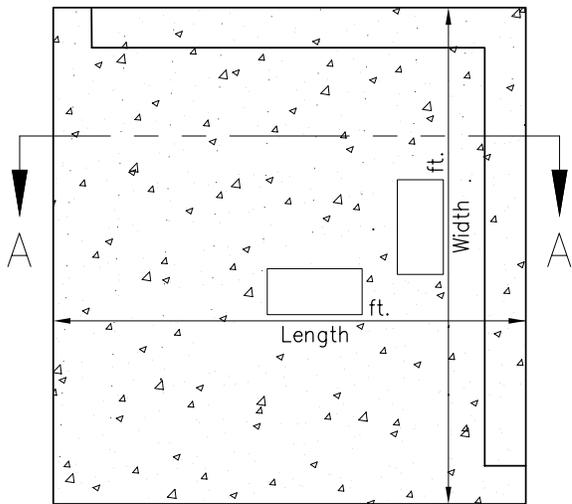
HEAVY USE AREA PROTECTION (Concrete)

Cooperator _____ Legal Description _____

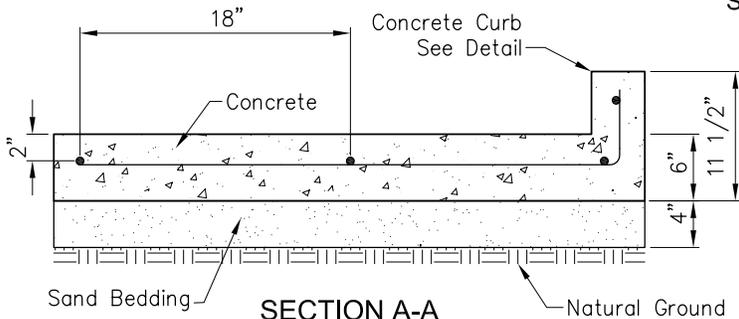
I.D. No. _____ Field No. _____ Structure No. _____

Designed By _____ Approved By _____ Date _____

Eng. Job Class I II III IV V
 (circle one)



PLAN



SECTION A-A

TYPICAL CONCRETE SLAB
 NTS

Notes:

- * Treated area shall extend a minimum of 15' in width from watering and feeding facilities.
- * Maintain 2" of concrete cover on all steel.
- * No. 4 (1/2") reinforcement bars @ 18" spacing each way.
- * Construction Joints shall be placed at 15' maximum each way for slabs.
- * Reinforcing steel shall not cross a contraction joint.
- * Isolation and Expansion Joints shall be used where newly poured concrete abuts existing concrete or abuts to different material such as buildings or posts.
- * Construction joints should be used when the concrete will harden between pours.
- * Seal Joints as required.



Sketch

Quantities:

Concrete _____ Cu. Yds.

Sand Bedding _____ Cu. Yds.

Excavation _____ Cu. Yds.

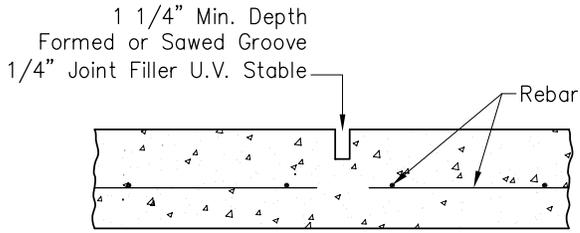
Remarks: _____

This practice meets NRCS specifications.

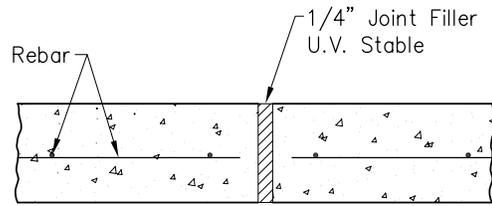
 Signature

 Date

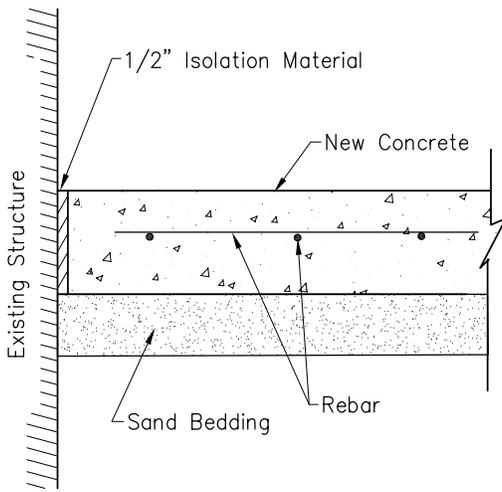
HEAVY USE AREA PROTECTION (Concrete) continued



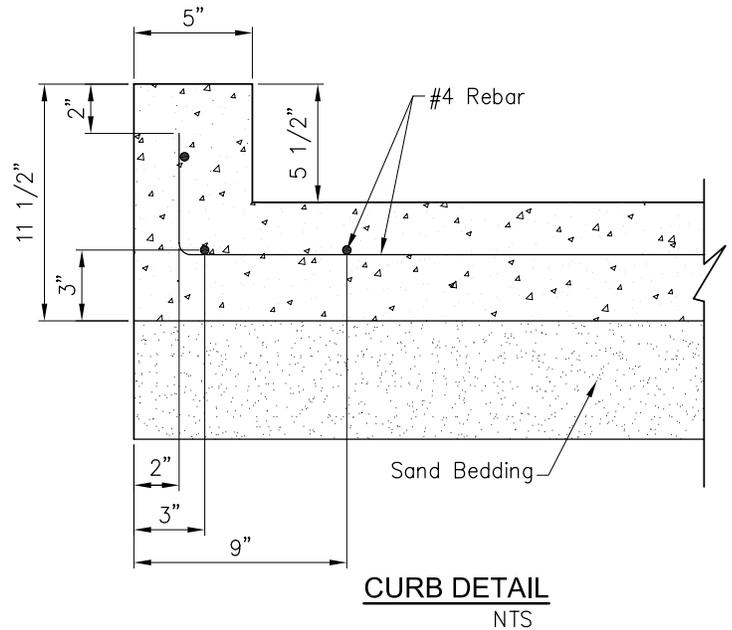
CONTRACTION (CONTROL) JOINT
 NTS



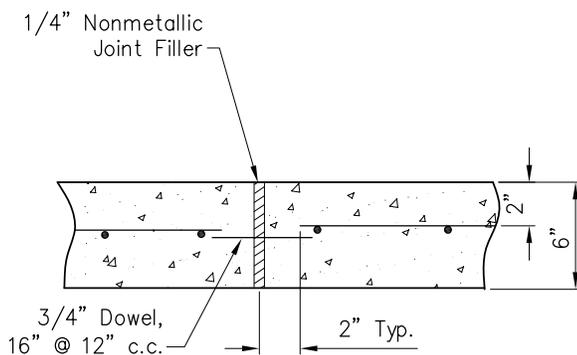
EXPANSION JOINT
 NTS



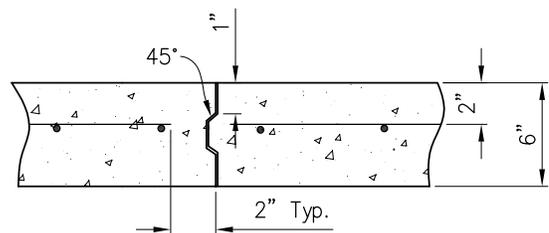
ISOLATION JOINT
 NTS



CURB DETAIL
 NTS



SEALED CONSTRUCTION JOINT
 NTS



CONSTRUCTION JOINT
 NTS