

ALABAMA SUPPLEMENTS TO THE
NATIONAL ENGINEERING FIELD HANDBOOK

CHAPTER 12. SPRINGS AND WELLS

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Springs and Seeps

Engineering notes for spring development are shown in Figure AL12-1.

SPRING DEVELOPMENT

A. Engineering Surveys for Design and Construction Layout
(SCS-ENG-191 - Field Book)

1. Complete title page (SCS-ENG-28) with sketch of practice location.
2. Dimensions of pipelines, spring box, silt box, watering trough, and other pertinent parts and materials
3. Relative elevation of spring box outlet pipe and watering trough inlet and outlet pipe, and overflow discharge point.
4. Measurements for computing volumes of excavation, concrete, masonry, gravel, etc., that are cost share items.

B. Construction and Performance Check
(SCS-ENG-191 - Field Book)

1. Elevations of inflow and outflow pipes for spring box, silt box, and watering trough
2. Measurement to verify concrete, excavation, and drain material volumes.
3. Treatment of disturbed areas.
4. Supporting statements and certification that practice as constructed does meet plans and specifications.

NOTE: To develop free flowing springs, you do not retain water in the field lines. However, to develop a seep spring you retain water in the field lines so as not to deplete the source.

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SCD	<i>Pike County</i>	Date	<i>12/6/77</i>
Field Office	<i>Troy</i>		
Name	<i>John Hunt</i>		
Location: <i>3 mi. west of Troy on Hwy. 29 on right past River Bridge.</i>			
Job	<i>Spring Development</i>		
Design Survey	<i>12/6/77</i>	Const. Layout	<i>12/8/77</i>
Constr. Check	<i>12/8/77</i>	Other	
Dist. Agr. No.	<i>361</i>	Field No.	<i>1</i>
ACP No.	<i>I-45</i>		

(210-VI-NEM, Amend. AL6, October 2008)

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Figure AL12-1. Engineering notes for spring development.

