



**REFERENCE DRAWINGS:**  
 Work this drawing with 45 and 55

**NOTES:**

1. All the groud holes are inclined 15° upstream except the holes in the main dam.
2. Groud hole spacing, depth, location and inclination shall be adjusted in the field as directed.
3. Consolidation grouting of impervious fill flow plug foundation shall be performed prior to the curtain grouting.
4. Groud hole sizes shall be as given in the specifications.

NO.	DATE	REVIEWED
01	10/19/17	CHIEF ENGINEER
02	10/19/17	PROJECT MANAGER
03	10/19/17	DESIGNER
04	10/19/17	CHECKER
05	10/19/17	ELECTRICIAN

GOVERNMENT OF THE REPUBLIC OF AFGHANISTAN	
KAJAKI GATES PROJECT	EMERGENCY SPILLWAY
EMERGENCY SPILLWAY GROUTING	
CONSULTING ENGINEER	
HARZA ENGINEERING COMPANY	
APPROVED: [Signature]	
CHICAGO, ILLINOIS	DATE: OCT 19 2017
DWG. NO. 912C 43	

The foundation exploration work to be performed is shown in the two red boxes to the left. The Contractor shall perform electrical resistivity surveys along six alignments and shall drill six foundation holes. The six electrical resistivity survey lines are labeled ER-1 through ER-6. The six drill hole locations are labeled DH-111 through DH-116. The locations of the electrical resistivity survey lines and drill holes may be modified by the COR.

## EMERGENCY SPILLWAY FOUNDATION EXPLORATION PLAN