



NOTES

1. STRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH NRCS ENGINEERING STANDARD & SPECIFICATIONS NO. COLO.-587 "STRUCTURE FOR WATER CONTROL".
2. ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE STRUCTURE SHALL BE BACKFILLED WITH EARTH UP TO THE GROUND SURFACE. THE BACKFILL SHALL BE COMPACTED TO A DENSITY EQUAL TO THE DENSITY OF THE ADJACENT EARTH. THE MOISTURE CONTENT OF THE BACKFILL MATERIAL SHALL BE SUCH THAT THE REQUIRED COMPACTION WILL BE OBTAINED.
3. THIS DRAWING REPLACES DRAWINGS NO. 5.0-19,000.1-5 THROUGH 5.0-19,000.1-7.
4. STANDARDIZES DESIGNS - MUST BE ADOPTED TO THE SPECIFIC SITE.
5. CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF CONSTRUCTION SPECIFICATION 31, CONCRETE, OR 32, CONCRETE FOR MINOR STRUCTURES.
6. REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF CONSTRUCTION SPECIFICATION 34, STEEL REINFORCEMENT.

NOMENCLATURE

D = DEPTH OF WATER IN DITCH.
H = HEIGHT OF FALL IN WATER SURFACE.

TABLE OF DIMENSIONS, QUANTITIES AND CAPACITIES

H	L	L1	L2	L3	L4	L5	CONCRETE	REIN. STEEL	Q
FT-IN	(CU. YDS.)	(LBS.)	C.F.S.						
2-0	8-6	2-0	4-6	2-6	1-9	4-0	1.10	49	6.0
2-6	9-9	2-6	5-3	3-0	2-1	4-9	1.21	55	6.0
3-0	11-0	3-0	6-0	3-6	2-6	5-6	1.33	60	6.0



TRAPEZOIDAL CHUTE DROP

(REVISED LAST ON 09-11)

	Date	File Name
Designed REJ	4-69	
Drawn DDD	9-11	Drawing Name
Checked RRM	4-69	CO-SSP-15
Approved J.E. ANDREWS S.C.E.	9-11	Sheet 1 of 1