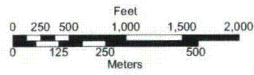
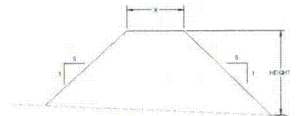
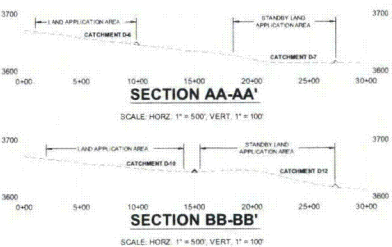


PLAN VIEW



LEGEND

- PERMIT BOUNDARY
- PRIMARY LAND APPLICATION AREA
- STANDBY LAND APPLICATION AREA
- DRAINAGE BOUNDARY
- GENERAL CATCHMENT BOUNDARY
- MAXIMUM WATER LEVEL
- CATCHMENT BERM FOOTPRINT



TYPICAL CATCHMENT BERM SECTION

NTS

CATCHMENT D-1 AREA CAPACITY TABLE					CATCHMENT D-2 AREA CAPACITY TABLE					CATCHMENT D-3 AREA CAPACITY TABLE					CATCHMENT D-4 AREA CAPACITY TABLE				
ELEVATION	AREA	AUG. AREA	CAPACITY	INACTIVE CAPACITY	ELEVATION	AREA	AUG. AREA	CAPACITY	INACTIVE CAPACITY	ELEVATION	AREA	AUG. AREA	CAPACITY	INACTIVE CAPACITY	ELEVATION	AREA	AUG. AREA	CAPACITY	INACTIVE CAPACITY
(FT)	(SQ)	(SQ)	(MG)	(MG)	(FT)	(SQ)	(SQ)	(MG)	(MG)	(FT)	(SQ)	(SQ)	(MG)	(MG)	(FT)	(SQ)	(SQ)	(MG)	(MG)
3400.0	0.36	0.37	0.10	0.00	3400.0	0.30	0.27	0.08	0.00	3700.0	0.31	0.32	0.09	0.00	3800.0	0.30	0.30	0.09	0.00

DeWey Land Application Catchment Summary

Catchment	Drainage Area (Ac)	Drainage Volume (MG)	2 Year Peak Flow (MG)	100 Year Peak Flow (MG)	Catchment Area (Ac)	Catchment Capacity (MG)	Inactive Capacity (MG)	Height (FT)	Depth (FT)
D-1	0.36	0.37	0.10	0.00	0.36	0.10	0.00	2.0	2.0

- NOTES:
1. INACTIVE CAPACITY IS THE AVAILABLE STORAGE CAPACITY FOR EACH CATCHMENT AREA ALLOWING ADEQUATE FREEBOARD CAPACITY FOR THE 100-YEAR, 24-HOUR STORM RUNOFF.
 2. THE GENERAL CATCHMENT BOUNDARY THAT IS SHOWN IS THE SAME AS SHOWN ON OTHER FIGURES IN THIS APPLICATION. THE ACTUAL BOUNDARY WILL VARY DEPENDING UPON THE FINAL DESIGN OF THE CATCHMENT AREAS. THE CONCEPTUAL CATCHMENT AREA DESIGN SHOWN ON THIS PLAN IS WITHIN THE GENERAL CATCHMENT BOUNDARY.

- Notes:
1. One (1) Foot From Catchment D-14 will be rounded to Catchment D-5.
 2. One (1) Foot From Catchment D-14 will be rounded to Catchment D-7.

REVISIONS				 Powertech (USA) Inc.	
#	DRAWN	CHECKED	APPROVED		
					Plate 5.4-1 Conceptual Catchment Area Design DeWey Land Application Area
PROJECT:	2-16-2010	DATE:	7-10-2007	DeWey-Burdock Project <small>©2007 6402 07, South Dakota State University</small>	
DRAWN:	DC	REVISED:			
PROJECT:		DATE:			