



QUANTITY TABLE						
AREA	CUT, CY	FILL, CY	NET, CY	ACREAGE	TOPSOIL, CY	
1	114,830	160,997	150,217	19.40	31,312	
2	88,303	115,688	(27,381)	16.40	31,312	
3	78,977	133,359	54,382	20.08	32,246	
4	14,457	35,750	(74,393)	7.78	12,847	
5	189,732	11,205	108,067	13.73	22,160	
6	569,762	1,000,000	430,238	64.00	100,000	
7	33,439	33,439	0	0.82	11,233	
8	35,143	0	35,143	5.72	15,759	

QUANTITY TABLE NOTES:
 1. AREAS 6 AND 7 HAVE BEEN OMITTED FOR USE AS BORROW AREAS.
 2. TOPSOIL QUANTITY IS BASED ON AN AVERAGE STRIPPING DEPTH OF 12 INCHES.
 3. A SHRINKAGE FACTOR OF 25 PERCENT HAS BEEN ADDED TO FILL QUANTITIES.
 4. THE QUANTITY OF TOPSOIL FROM STRIPPING ACTIVITIES IS APPROXIMATELY 150,000 CUBIC YARDS. THE DIMENSIONS FOR A SINGLE STOCKPILE OF THIS MATERIAL WOULD HAVE A SQUARE BASE WITH SIDE DIMENSIONS OF 450 FEET, A HEIGHT OF 25 FEET, AND A SQUARE TOP WITH SIDE DIMENSIONS OF 354 FEET ASSUMING SIDE SLOPES OF 2:1.

TEMPORARY SEDIMENT PONDS				
POND NO.	TOTAL REQUIRED CAPACITY, CY	DRAINAGE AREA, ACRES	CAPACITY PER ACRE, CY	TOTAL CAPACITY, CY
1	148,205	46.9	3,138	580,934
2	245,028	78.0	3,116	540,300
3	45,777	16.0	2,864	47,816

* TOTAL CAPACITY BASED ON RUNOFF FROM 48 2-YEAR 24-HOUR STORM.

NOTE:
 REFER TO DOCUMENT ENTITLED KIF GYPSUM POND LAYOUT FOR CONSTRUCTION SEQUENCE.

- NOTES:
- ALL SLOPES ASSOCIATED WITH THE ACCESS ROAD CONSTRUCTION AND THE OUTER SLOPE OF THE PRAISE 1 AND STORM WATER POND DIKES WILL RECEIVE SOIL.
 - THE TOP OF THE 3-FOOT GEOLOGIC BUFFER AND INSIDE SLOPES OF THE PRAISE 1 AREA WILL RECEIVE POST-SHELL.
 - THE INSIDE SLOPES AND BOTTOM SURFACE OF THE STORM WATER POND WILL RECEIVE POST-SHELL.
 - CONSTRUCT RELIEF DITCH PRIOR TO CONSTRUCTION OF SOIL DIKE CONSTRUCTION IN THIS AREA.

REV	DATE	BY	CHKD	APPD	DISCIPLINE
0	02/88	JTS	SAH	JTS	HLP
INITIAL ISSUE FOR W.D. & H.T. CO. - 260833-000 RG					
NO.	DATE	ISSU	BY	CHKD	APPD
SCALE: 1"=200'					
EXCEPT AS NOTED					

**FGD GYPSUM DISPOSAL FACILITY
 EROSION CONTROL PLAN**

DESIGNED BY: J.T. STEIN
 DRAWN BY: S.A. HAMEY
 CHECKED BY: J.T. STEIN
 SURVEYED BY:
 REVIEWED BY:
 APPROVED BY:
 ISSUED BY:

**KINGSTON FOSSIL PLANT
 TENNESSEE VALLEY AUTHORITY
 FOSSIL AND HYDRO ENGINEERING**

AUTOCAD PLOT DATE: 02/88 36 C 10W428-4 R 0