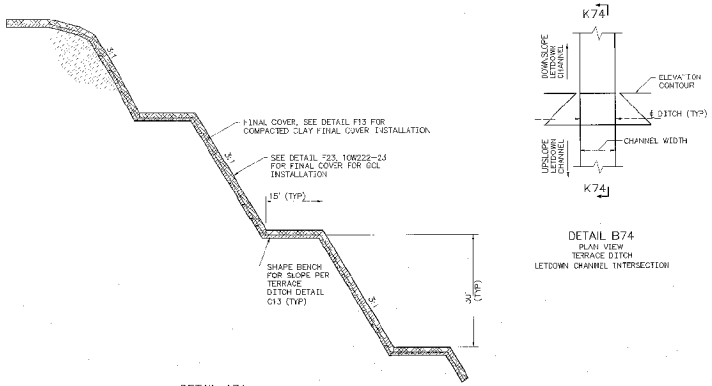
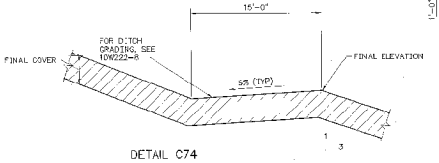
TVA-00014023

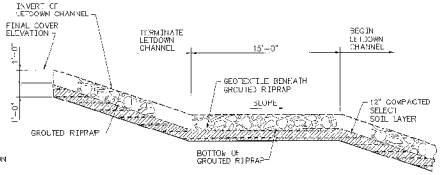


DETAIL A74
TYPICAL FILL PROFILE
COMPACTED CLAY FINAL COVER

DETAIL B74
PLAN VIEW
TERRACE DITCH
LETDOWN CHANNEL INTERSECTION

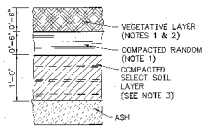


DETAIL C74
TERRACE DITCH
COMPACTED CLAY FINAL COVER

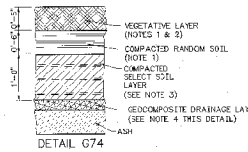


NOTE:
CHANNEL BERM NOT SHOWN FOR CLARITY

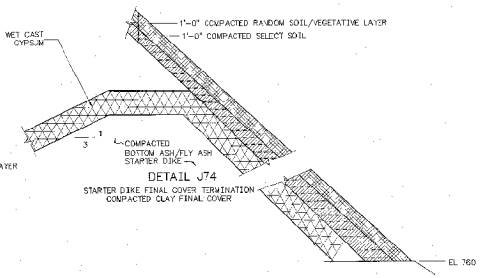
SECTION K74



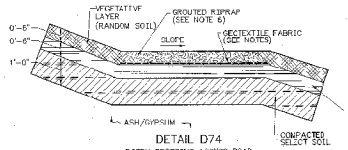
DETAIL F74
FINAL COVER
COMPACTED CLAY FINAL COVER



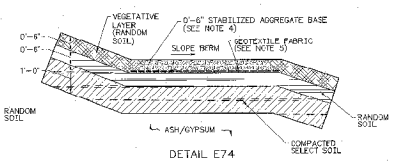
DETAIL G74
ALTERNATE GEOCOMPOSITE FINAL COVER
COMPACTED CLAY FINAL COVER



DETAIL J74



DETAIL D74
DITCH CROSSING ACCESS ROAD
COMPACTED CLAY FINAL COVER



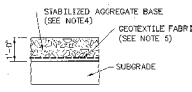
DETAIL E74
COVER ACCESS ROAD
COMPACTED CLAY FINAL COVER

NOTES:
1. THE UPPERMOST 1 FT. OF THE FINAL COVER SHALL CONSIST OF RANDOM SOIL PLACED IN ACCORDANCE WITH THE QA/QC PLAN FOR THIS FACILITY. THE UPPER 6 IN. SHALL BE PREPARED FOR SEEDING, PRIOR TO SEEDING, A MINIMUM OF 3 SOIL SAMPLES OF VEGETATIVE LAYER SOIL SHALL BE TESTED TO DETERMINE APPROPRIATE AMOUNTS OF LIME, FERTILIZER, ETC. TO BE SPREAD PRIOR TO SEEDING.

2. SEED ALL AREAS (EXCLUDING ROAD & LET DOWN CHANNELS) IN ACCORDANCE WITH TVA SPECIFICATION T-1, SECTION 583.

3. CONSTRUCT COMPACTED SELECT SOIL LAYER IN ACCORDANCE WITH THE CONSTRUCTION QA/QC PLAN FOR THIS FACILITY. THE COMPACTED SELECT SOIL LAYER SHALL BE CONSTRUCTED USING SELECT SOIL BACKFILL OBTAINED FROM STOCKPILED MATERIAL USED TO CONSTRUCT THE CLAY LAYER FOR THE LINER.

4. THE GEOCOMPOSITE DRAINAGE LAYER BENEATH THE COMPACTED SOIL LAYER SHALL CONSIST OF THE FOLLOWING COMPONENTS PLACED IN ORDER FROM ASH SURFACE UPWARD
- A CALENDERED WOVEN GEOTEXTILE WITH AOS DETERMINED BY TVA FES;
- THE CALENDERED WOVEN GEOTEXTILE SHALL BE HEAT BONDED TO THE GEONET;
- THE UPPER GEOTEXTILE SHALL BE A NON-WOVEN NEEDLEPUNCHED GEOTEXTILE.

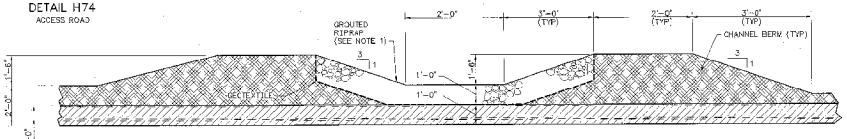


DETAIL H74
ACCESS ROAD

4. STABILIZED AGGREGATE BASE SHALL BE IN ACCORDANCE WITH SECTION 1051.

5. GEOTEXTILE FABRIC SHALL BE A NON-WOVEN NEEDLE PUNCHED FABRIC CLASS C IN ACCORDANCE WITH SECTION 571.

6. EXTEND GROUTED RIPRAP TO MATCH THE FULL WIDTH OF THE LETDOWN CHANNEL. GROUTED RIPRAP IN ACCORDANCE WITH SECTION 577.



NOTES:
1. GROUTED RIPRAP SHALL BE IN ACCORDANCE WITH SECTION 577.

2. GEOTEXTILE FABRIC SHALL BE A NON-WOVEN NEEDLE PUNCHED FABRIC, CLASS C, IN ACCORDANCE WITH SECTION 571.

3. EXTEND GROUTED RIPRAP TO MATCH THE FULL WIDTH OF THE LETDOWN CHANNEL. GROUTED RIPRAP IN ACCORDANCE WITH SECTION 577.

DETAIL M74
TYPICAL LET DOWN CHANNEL
COMPACTED CLAY FINAL COVER

REV	DESCRIPTION	DRS	JSN	WPT	HLP	REP	JGA		
R0	ISSUED FOR DREDGE CELL EXPANSION								

SCALE: NOT TO SCALE
EXCEPT AS NOTED
YARD

DREDGE CELL LATERAL EXPANSION
COMPACTED CLAY DETAILS
FINAL COVER

DRAWN BY	CHECKED BY	DESIGNED BY	SUPERVISED BY	APPROVED BY	APPROVED BY	ISSUED BY
D.R. SMITH	J. MILES	W.P. TAYLOR	H.L. PITTY	BE PURCY	J.G. ADAIR	

KINGSTON FOSSIL PLANT
TENNESSEE VALLEY AUTHORITY
FOSSIL AND HYDRO ENGINEERING

AUTOCAD R14	SH	36	C	10W425-74	R 0

PARSONS | G
TASK COMPLETED BY: | TEV NO

PLOT FACTOR:96
W_TVA

S.A.D. DRAWING
DO NOT ALTER MANUALLY

36 C 10W425-74