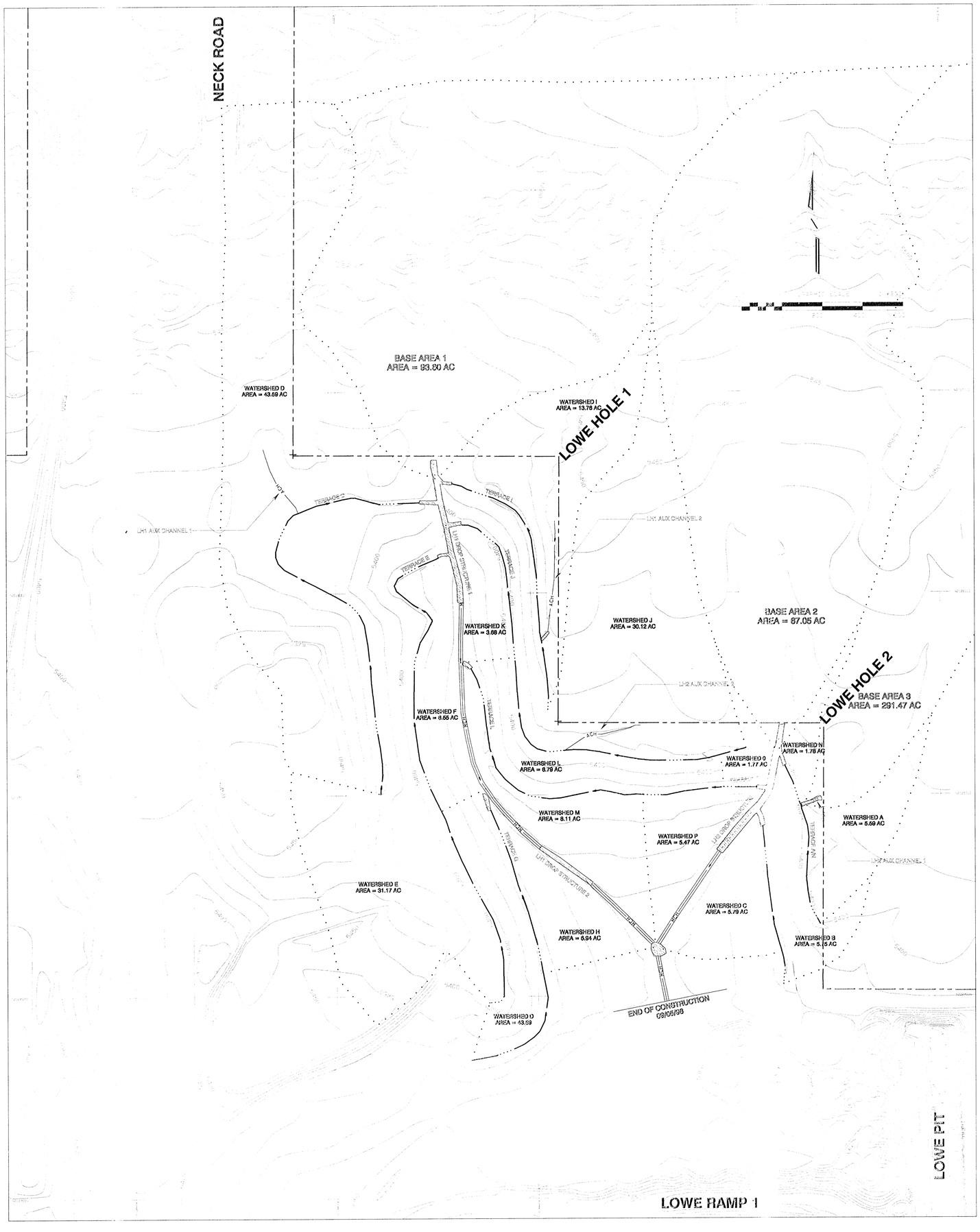
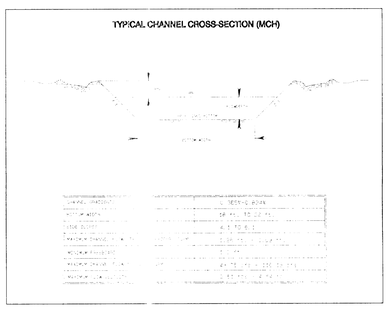
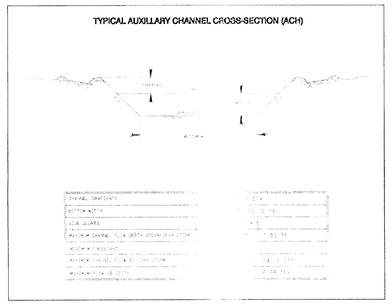


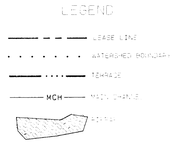
TYPICAL CHANNEL CROSS-SECTION (MCH)



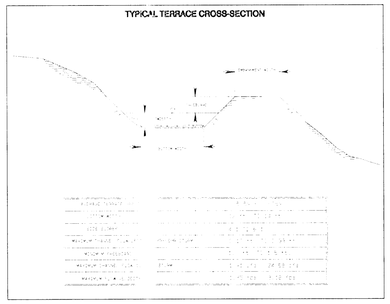
TYPICAL AUXILLARY CHANNEL CROSS-SECTION (ACH)



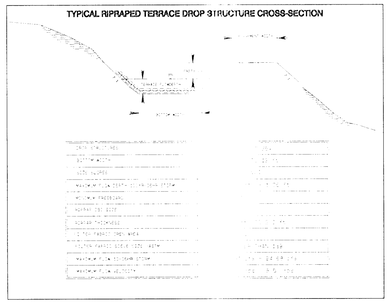
LEGEND



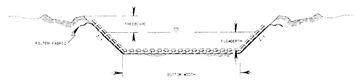
TYPICAL TERRACE CROSS-SECTION



TYPICAL RIPRAPED TERRACE DROP STRUCTURE CROSS-SECTION

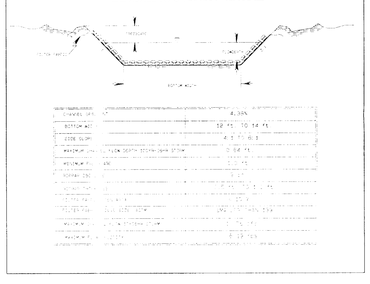


TYPICAL DROP STRUCTURE CROSS-SECTION



	LH1 DROP STR. 1	LH1 DROP STR. 2	LH2 DROP STR
CHANNEL GRADIENT	5.70%	3.33%	5.70%
BOTTOM WIDTH	18 FT. TO 20 FT.	18 FT. TO 20 FT.	18 FT. TO 20 FT.
SIDE SLOPES	4:1 TO 5:1	4:1 TO 5:1	4:1 TO 5:1
MAXIMUM FLOW DEPTH (STORM DRAIN STORM)	2.85 FT.	1.78 FT.	2.70 FT.
MAXIMUM FREEBOARD	2.0 FT.	2.0 FT.	2.0 FT.
RIP RAP SIZE	9 IN.	9 IN.	9 IN.
THICKNESS	1.5 FT. TO 2.0 FT.	1.5 FT. TO 2.0 FT.	1.5 FT. TO 2.0 FT.
MINIMUM OPEN AREA	5.0 %	5.0 %	5.0 %
MAXIMUM ROCK SIZE WIDTH	SMALLER THAN 150#	SMALLER THAN 150#	SMALLER THAN 150#
MAXIMUM CHANNEL FLOW DEPTH (STORM)	2.85 FT.	2.85 FT.	2.85 FT.
MAXIMUM FLOW DEPTH	2.85 FT.	1.78 FT.	2.70 FT.

LH2 AUXILLARY CHANNEL 1 - RIPRAPED



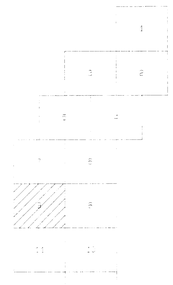


EXHIBIT 12-31

LOWE HOLES 1 & 2 RECLAMATION
STABILIZATION STRUCTURES
PLAN VIEW - ASBUILT