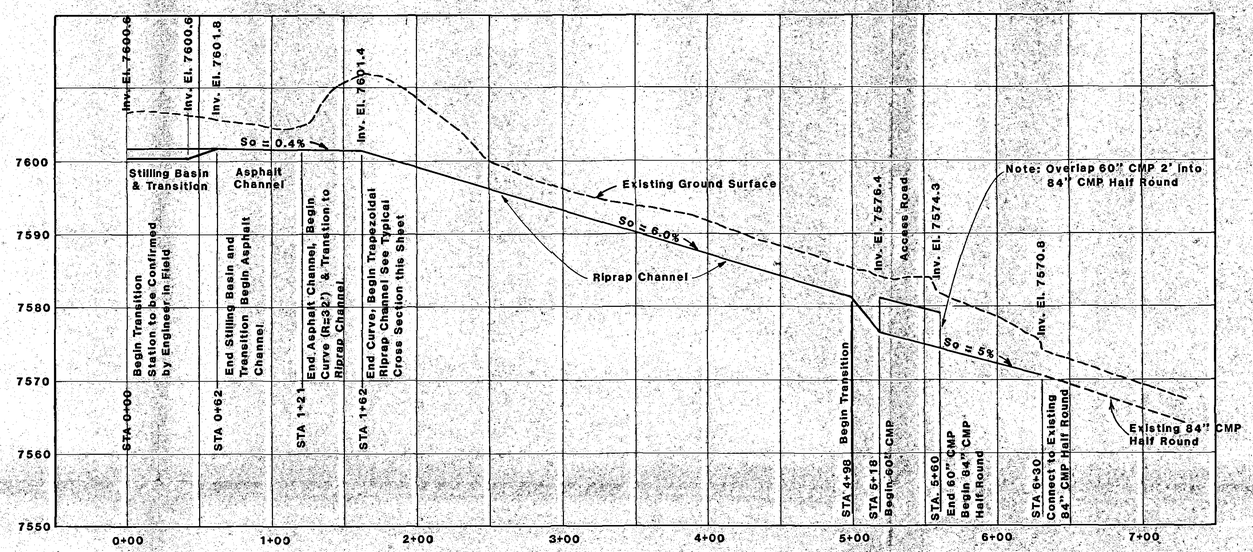
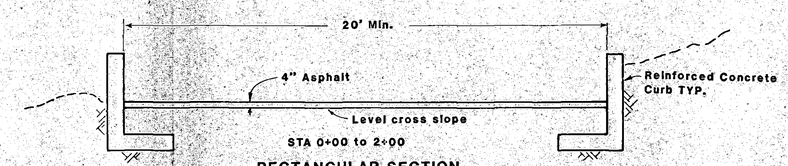
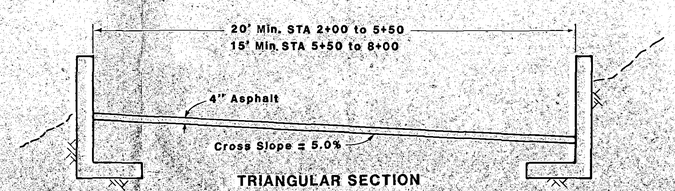


LOWER CHANNEL PROFILE

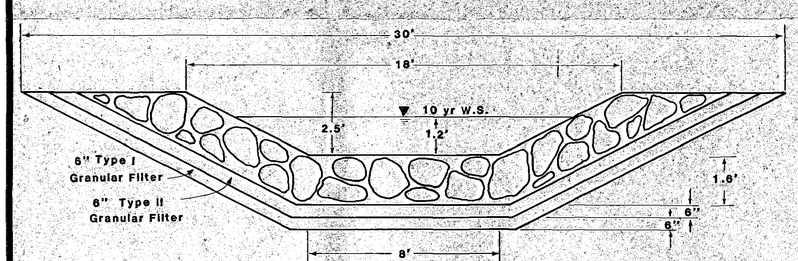
See DRWG 1



RECTANGULAR SECTION



TRIANGULAR SECTION



RIPRAP AND GRANULAR FILTER GRADATIONS

	D15 (in)	D50 (in)	D85 (in)
Riprap	6	15	19
Type II Filter	0.3	0.6	2.0
Type I Filter	0.01	0.03	0.1

TYPICAL RIPRAP CHANNEL CROSS SECTION

NTS

ROAD TO UPPER MINE PAD
HYDRAULICS AND CURB HEIGHTS

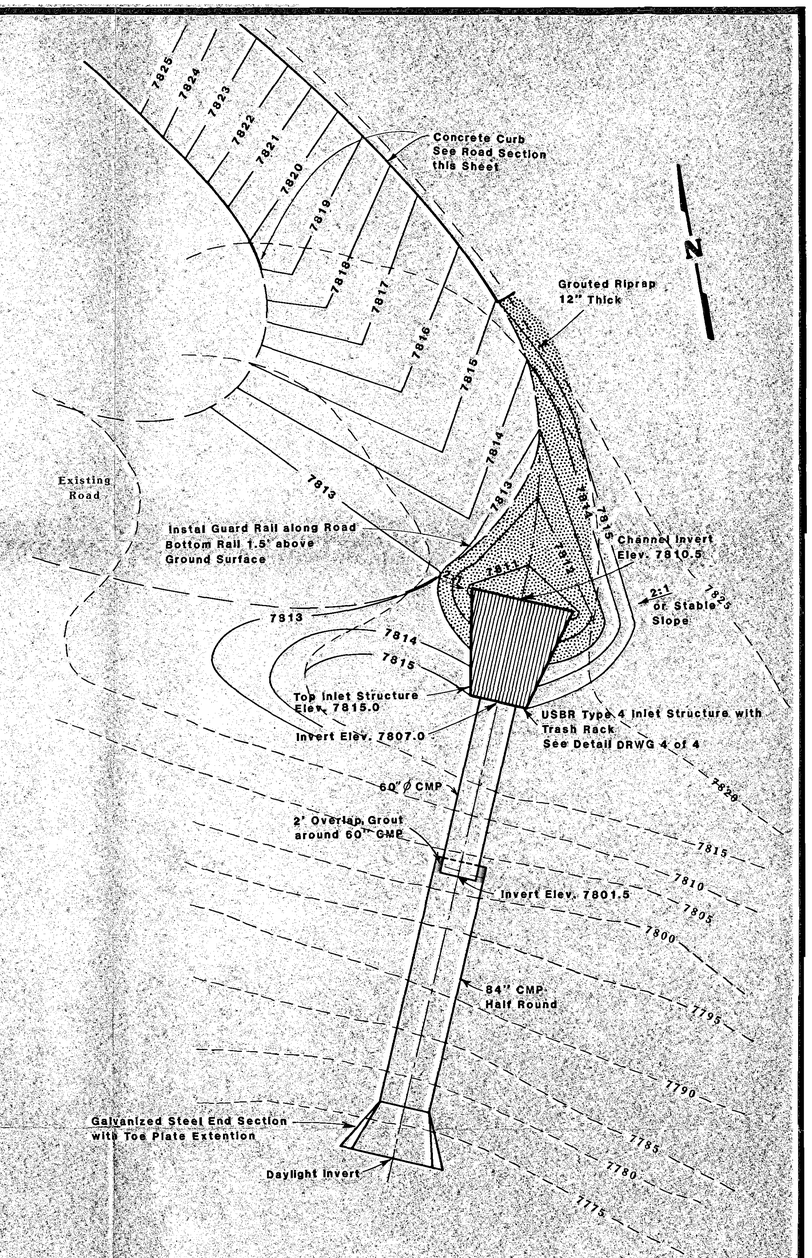
STATION	CHANNEL TYPE	REPRESENTATIVE SLOPE (FT/FT)	*NORMAL DEPTH (FT)	WEST CURB SUPER-ELEVATION Δ1/2 (FT)	WEST CURB MIN. CURB HEIGHT (FT)	EAST CURB SUPER-ELEVATION Δ1/2 (FT)	EAST CURB MIN. CURB HEIGHT (FT)
0+00-2+00	RECTANGULAR 20' WIDTH	0.005	1.2	0	2.2	0	2.2
2+00-4+00	TRIANGULAR 20' WIDTH	0.09	1.0	0	1.0	0	2.0
4+00-5+50	TRIANGULAR 20' WIDTH	0.16	0.9	0.35	1.4	-	2.0
5+50-7+00	TRIANGULAR 15' WIDTH	0.17	0.9	-	1.1	.24	2.2
7+00-8+50	TRIANGULAR 15' WIDTH	0.19	0.9	-	1.1	.28	2.2

*NORMAL DEPTH BASED ON MANNINGS EQUATION WITH N=.025 AND Q=106 CFS. SEE TYPICAL CROSS SECTIONS.

ROAD TO UPPER MINE PAD TYPICAL SECTIONS AND DATA

NTS

NOTE: Drawings represent final hydraulic design only. Details for construction to be provided.



SWITCHBACK INLET GRADING PLAN

1" = 10'

3-11
REVISED
1-11-85

Registered Professional Engineer
No. 6503
GREGORY J. POOLE
State of Utah

Utah Power and Light Co.
Des-Bee-Dove Mine

TITLE
CONVEYANCE PLAN PROFILE AND SECTIONS

VAUGHN HANSEN ASSOCIATES
NORTHRUP TU
SALT LAKE CITY, UTAH

REVISIONS BY	DATE		APPROVED BY	DATE
		ENGINEERING BY: GJP		
		REVIEWED BY: MEA		
		DRAWN BY: DCH		
		SCALE: AS SHOWN	DRWG 3 of 4	