NOTE:
CMP ELBOWS SHOULD BE SMOOTH WITHOUT SHARP INSIDE EDGES TO ALLOW FREE FLOW AND REDUCE PLUGGING.

DOUBLE CATCH BASIN ON CONTINUOUS GRADE. LOCATE SUCH THAT CATCH BASIN GRATE IS A MINIMUM OF 6' ABOVE CROWN OF 48" CMP AT CONNECTION.

STA. 4+77 (HORIZONTAL△=15°) (VERTICAL△=36°)

SADDLE TEE CONNECTION TO TOP 1/3 OF 48" CMP.

STA. 6+57 ELBOW (HORIZONTAL△=9°) (VERTICAL△=10°)

STA 7+35 END 48" CMP. SHAPE EXISTING CLIFF CHANNEL TO RECEIVE DISCHARGE.

18" CMP CONNECTION

MANHOLE

STA. 5+83 ELBOW (HORIZONTAL△=23°) (VERTICAL△=21°)

STA. 5+09 ELBOW (HORIZONTAL△=15°) (VERTICAL△=25°)

STA. 4+06 ELBOW (HORIZONTAL△=32°) (VERTICAL△=47°)

REMOVE ALL LOOSE MATERIAL FROM CHANNEL. SHAPE AND GROUT AS NEEDED TO FORM CHANNEL. SEE DETAIL 6/7 ON SHEET 7.

STA. 5+12 CONNECT 42" CMP TO EXISTING 84" HALF ROUND. MAINTAIN EXISTING SUMP TO ALLOW INLETTING SURFACE FLOWS.

42" CMP, SEE PROFILE ON SHEET 3.

TIPPLE INLET

48" CMP SEE PROFILE ON SHEET 3

STA. 1+68 ELBOW (△=17°)

MANHOLE

STA. 0+00

3" ASPHALT PAVEMENT

UPPER INLET, GRADE UPPER MINE PAD TO DRAIN TO INLET AND PROVIDE FOR 1.5 FEET MINIMUM PONDING DEPTH ON INLET. SURROUND INLET WITH GAURD RAILS TO PROTECT FROM TRAFFIC.

UPPER MINE PAD

EXISTING DRAINAGE DITCH MAINTAIN OUTLET TO 84" HALF ROUND.

CS-3 7941.59

NOTE:
SURVEY DATA AND MAPPING PROVIDED BY UP&L PERSONNEL.

3-11

Registered Professional Engineer No. 6503 GREGORY J. POOLE State of Utah June 6, 1986

PREPARED BY
VAUGHN HANSEN ASSOCIATES
SALT LAKE CITY, UTAH

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

TITLE
RUNOFF CONVEYANCE PLAN
SITE PLAN

REVISIONS BY	DATE		APPROVED BY	DATE
		ENGINEERING BY GJP		
		REVIEWED BY MEA		
		DRAWN BY JVH		
		SCALE 1 INCH = 50 FEET	SHEET NO. 2	OF 7