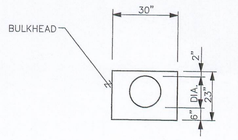
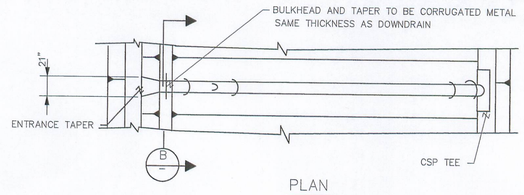
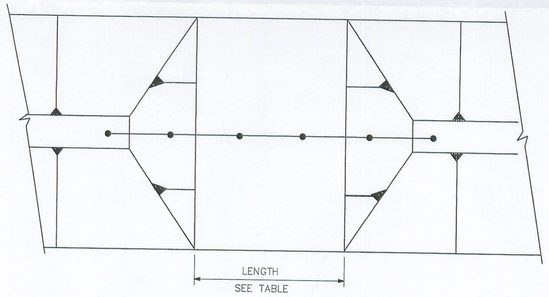


SECTION B

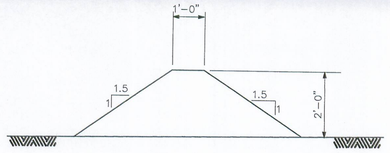


PLAN

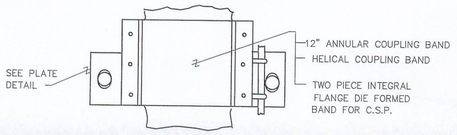
NTS

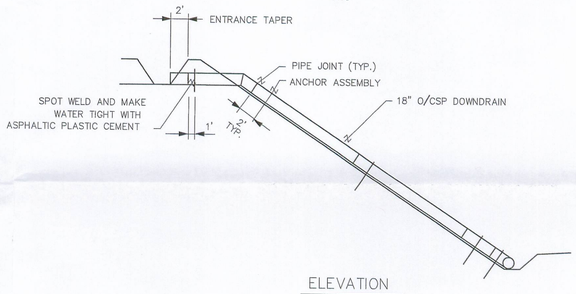


PLAN



BERM

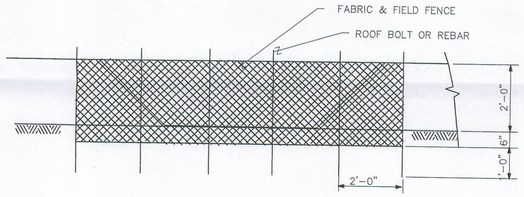




ELEVATION

NTS

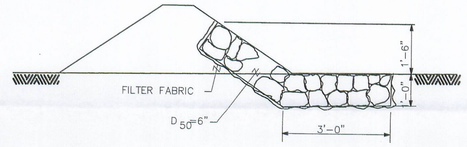
OVERSIDE DRAIN



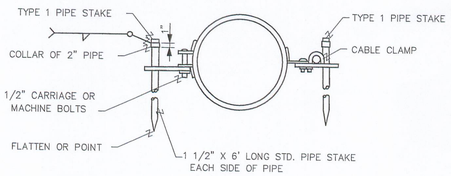
SECTION

TYPICAL SILT FENCE

NTS

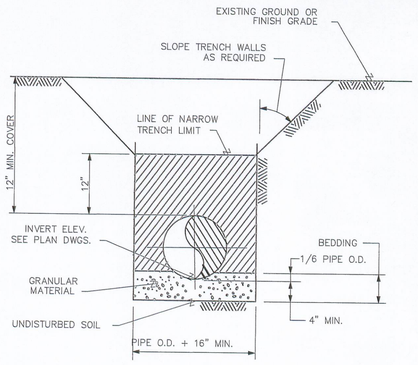


BERM WITH RIP-RAP



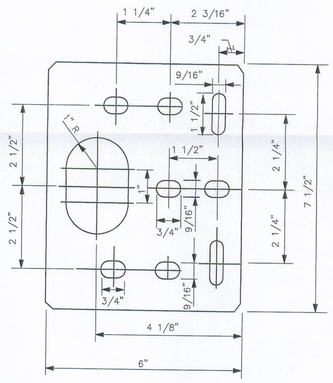
ANCHOR ASSEMBLY

OVERSIDE DRAIN



SECTION

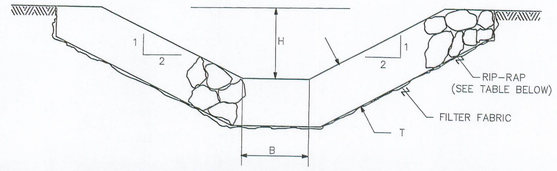
TRENCH FOR CORRUGATED STEEL PIPE



MATERIAL TO BE 1/4" PLATE
GALVANIZED AFTER FABRICATION

PLATE DETAIL

OVERSIDE DRAIN



SECTION

DITCH DETAIL

DITCH DIMENSIONS			RIP-RAP (SEE PLAN FOR LOCATION)	
DITCH NO.	H	B	D_{50}	T
1	1'-0"	1'-0"	N.A.	
3	1'-6"	1'-0"	1'-0"	1'-6"
3A	1'-0"	1'-0"	N.A.	
5	1'-0"	1'-0"	N.A.	
7	2'-0"	1'-0"	N.A.	
7A	2'-6"	2'-0"	1'-0"	1'-6"
8	2'-6"	1'-0"	1'-0"	1'-6"
9	1'-0"	1'-0"	N.A.	
11	1'-6"	1'-0"	6"	1'-0"
13	2'-6"	1'-0"	1'-0"	1'-6"
14	2'-0"	1'-0"	1'-0"	1'-6"
16	3'-0"	1'-0"	1'-0"	1'-6"
18	1'-6"	2'-0"	1'-0"	1'-6"
19	2'-6"	2'-0"	1'-0"	1'-6"
20	2'-6"	2'-0"	1'-0"	1'-6"
21	2'-0"	1'-0"	6"	1'-0"
23	2'-0"	1'-0"	N.A.	
25	1'-6"	1'-0"	N.A.	
27	2'-6"	2'-0"	1'-0"	1'-6"
31	1'-0"	5'-0"	0'-9"	1'-6"
33	1'-0"	1'-0"	1'-0"	1'-6"
35	2'-6"	1'-0"	N.A.	
36	1'-0"	1'-0"	N.A.	N.A.
37	2'-0"	1'-0"	1'-0"	1'-6"

LEGEND

- LIMIT OF STREAM BOTTOM
- LIMIT OF DRAINAGE WATER SHED
- LIMIT OF DISTURBANCE
- LIMIT OF PRE-LAW OR NON-MINING DISTURBANCE
- AGGREGATE BASE
- XXXXXX RIP-RAP
- DITCH
- BERM
- DIRECTION OF FLOW
- SILT FENCE
- EXISTING CULVERT
- NEW CULVERT
- 24 DRAINAGE STRUCTURE NUMBER(BERM,DITCH)
- 4 CULVERT NUMBER
- 23 DRAINAGE WATERSHED NUMBER
- 6310 SURFACE ELEVATION

GENERAL NOTES

1. TOPO BY INTERMOUNTAIN TECHNICAL SERVICES,INC. OF GRAND JUNCTION COLORADO.1985
2. DATUM IS 1929 SEA LEVEL
3. COORDINATE SYSTEM IS KAISER STEEL LOCAL

NO	DATE	REVISION	BY	CHK	APP	APP	O'BASE UPDATE
3	8/2/06	ADDED DITCH #31 TO DITCH TABLE					
2	2/1/91	ADDED PRE-LAW SYMBOL					
1	11/30/90	REVISED PER TECH REVISION					

REFERENCE DRAWINGS | NUMBER | NOTES

DESCRIPTION COST ACCOUNT
WORK COVERED BY THIS ACCOUNT CHARGED TO COST ACCOUNT ABOVE

CONSTRUCTION APPROVAL

APPROVAL | DATE

SCALE: NONE		DATE
DESIGNED BY:	J.MAHER	7/30/90
DRAWN BY:	D. RONAN	8/06/90
CHECKED BY:		
APPROVED BY:		
APPROVED BY:		

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PROFESSIONAL SEAL

REGISTERED PROFESSIONAL ENGINEER NO. 265590 ADAM V. MACKELPRANG STATE OF UTAH

HYDROLOGIC DESIGN INC.
Hydrology/Hydraulics
HYDROLOGIC DESIGN INC.
14356 LAPIS DRIVE
DRAPER, UTAH 84020

DRAINAGE DETAILS
HORSE CANYON MINE

JOB NO. 80043 | DWG.NO. VI-3 | REVISION R-2

FILE IN: Expandable 08212006
Refer to Record No. 0162
in C0070013, 2006 Drawing
for additional information

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AUG 21 2006
DIV. OF OIL, GAS & MINING