



HEADGATE
RIPRAP BANK
PROTECTION
(SEE SHEET HG-1)

INTAKE STRUCTURE
30 cfs CAPACITY
(SEE SHEET HG-1)

STABILIZED TURNAROUND
(CRUSHER FINES)

RIFFLE CREST
DIVERSION
STRUCTURE

LOCKING
GATE

MAINTENANCE
ACCESS
(GEOGRID)

MANHOLE FOR
FLOW METER
SENSOR
(SEE SHEET HG-4)

CONNECTOR PIPE
76" x 48" ARCH RCP

FLARED END SECTION WITH
TRASH RACK AND RIPRAP
ENERGY DISSIPATOR
(SEE SHEET HG-3)

OUTLET CHANNEL
(SEE SHEET HG-3)

FLOW GAGE

ARMORED RIFFLE
(SEE SHEET US AR)

OFFSET BANK PROTECTION
TYPE M RIPRAP

ARMORED RIFFLE
(SEE SHEET DS AR)

TEMPORARY WETLAND
IMPACT ALLOWED.
RETURN TO PRE-DISTURBANCE
GRADE AND APPLY WETLAND
SEED MIX PER SPEC.

PIPE PROTECTION

INSTALL AREA VELOCITY METER
AND ASSOCIATED EQUIPMENT
(SEE SHEET HG-4)

GRADE CONTROL

BURY EXISTING RIPRAP
FROM OLD DIKE STRUCTURE
BELOW PROFILE ELEVATION
IN CHANNEL WITHIN DASHED AREA
(ORANGE)

REMOVE EXISTING
RIPRAP (RED)

EXTEND CRUSHER
FINES TRAIL

NATIVE FILL
SOURCE AREA
(GREEN)

POUDRE RIVER

LEGEND

EXISTING POUDRE TRAIL	POUDRE TRAIL
MAINTENANCE ACCESS ROAD	
PROPOSED DIVERSION PIPE	
DIVERSION HEADGATE	
BRUSH TRENCHES (SHALLOW)	
BRUSH TRENCHES (DEEP)	
OFFSET BANK PROTECTION	
PIPE PROTECTION	
GRADE CONTROL STRUCTURE	
ARMORED RIFFLE	
POOL GRADING	
LARGE LOG JAM	
FLOODPLAIN LOG JAM	
EXISTING WETLANDS	
EXISTING 1' CONTOUR	
EXISTING 5' CONTOUR	
PROPOSED 1' CONTOUR	
PROPOSED 5' CONTOUR	
DESIGN CROSS SECTION	XX-XX
1 YEAR WATER SURFACE (Q ₁)	
100-YR FLOODPLAIN	
500-YR FLOODPLAIN	