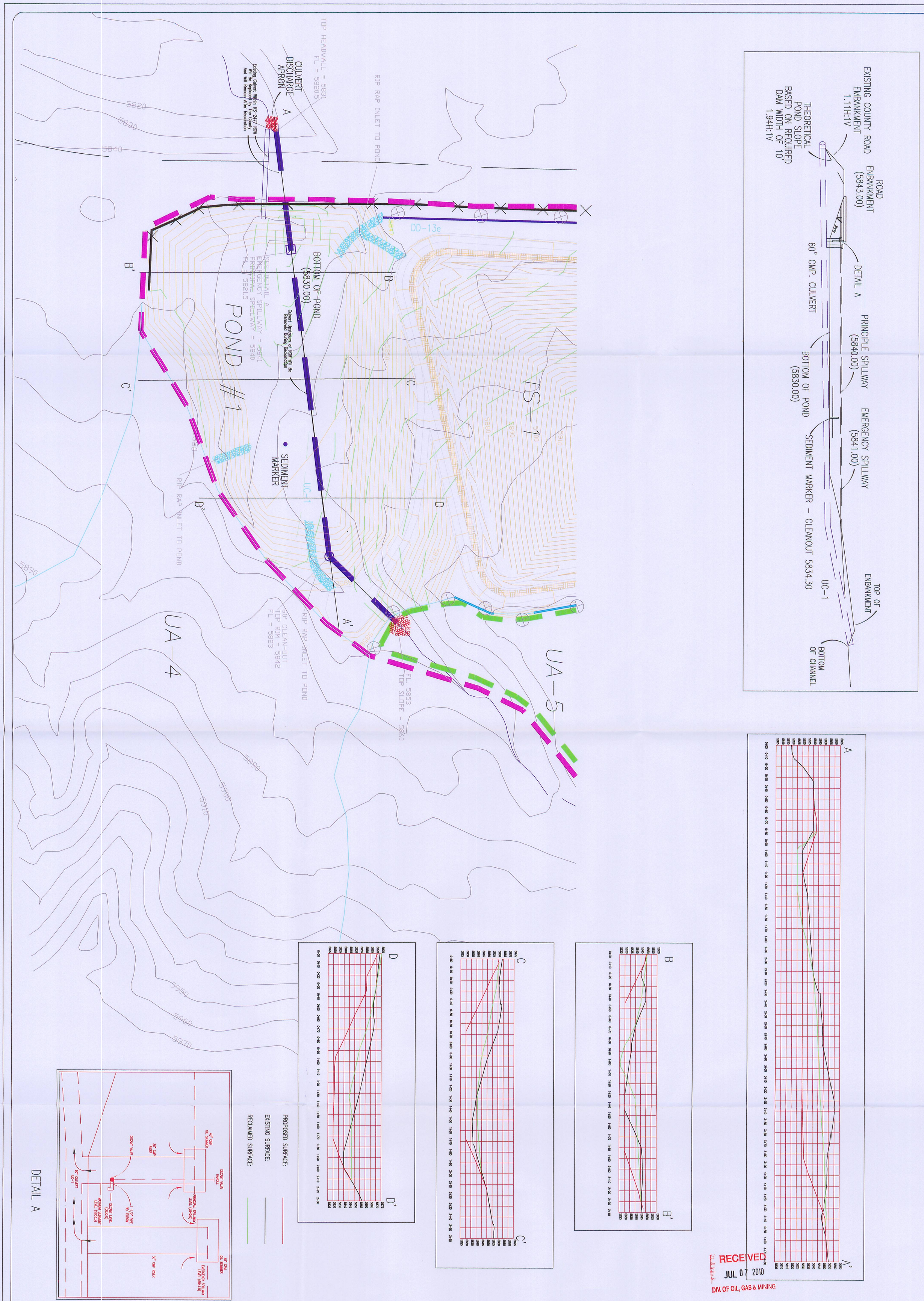
ROAD
EXISTING COUNTY ROAD EMBANKMENT
1.11H:1V
THEORETICAL POND SLOPE BASED ON REQUIRED DAM WIDTH OF 10'
1.94H:1V
ROAD EMBANKMENT (5843.00)
DETAIL A
PRINCIPLE SPILLWAY (5840.00)
EMERGENCY SPILLWAY (5841.00)
60" CMP. CULVERT
BOTTOM OF POND (5830.00)
SEDIMENT MARKER - CLEANOUT 5834.30
UC-1
TOP OF ENBANKMENT
BOTTOM OF CHANNEL
TOP HEADWALL = 5831
FL = 5820.5
CULVERT DISCHARGE APRON
Existing Culvert Within RS-2477 ROW Will Be Replaced by The County And Will Remain After Reclamation
RIP RAP INLET TO POND
DD-13e
BOTTOM OF POND (5830.00)
Culvert Upstream of ROW Will Be Removed During Reclamation
SEE DETAIL A
EMERGENCY SPILLWAY = 5841
PRINCIPAL SPILLWAY = 5840
FL = 5821.5
POND #1
TS-1
SEDIMENT MARKER
UC-1
RIP RAP INLET TO POND
60" CLEAN-OUT
TOP RIM = 5842
FL = 5823
FL. 5853
TOP SLOPE = 5860
UA-5
UA-4
A
A'
B
B'
C
C'
D
D'
DETAIL A
45° CMP OIL SKIMMER
30" CMP RISER
DECANT VALVE
DECANT VALVE HANDLE
60" CULVERT UC-1
1-1/2" PIPE w/ ELBOW
DECANT LEVEL (5835.0)
MAXIMUM SEDIMENT LEVEL (5833.3)
PRINCIPAL SPILLWAY LEVEL (5840.0)
EMERGENCY SPILLWAY LEVEL (5841.0)
PROPOSED SURFACE:
EXISTING SURFACE:
RECLAIMED SURFACE:
LEGEND:
PROPOSED CONTOURS:
EXISTING CONTOURS:
RECLAIMED CONTOURS:
DISTURBED AREA BOUNDARY:
UNDISTURBED AREA BOUNDARY:
R 14 E, T 16 S
20' 0' 40' 80'
File in:
Confidential
Shelf
Expandable
Date Folder: 070710 C/007013
See: Incoming For additional information
REVISION DATE:
DATE: | BY: | DATE: | BY:
Apr 2008 | TJS
Apr 2009 | TJS
UTAH REGISTERED #152606 R. Jay Marshall PROFESSIONAL ENGINEER
RECEIVED JUL 07 2010 DIV. OF OIL, GAS & MINING
LILA CANYON MINE
PROPOSED SEDIMENT POND #1
DATE: APRIL 2008
DESIGNED BY: HYDROLOGIC DESIGN
SCALE: AS SHOWN
PLATE #: 7-6a