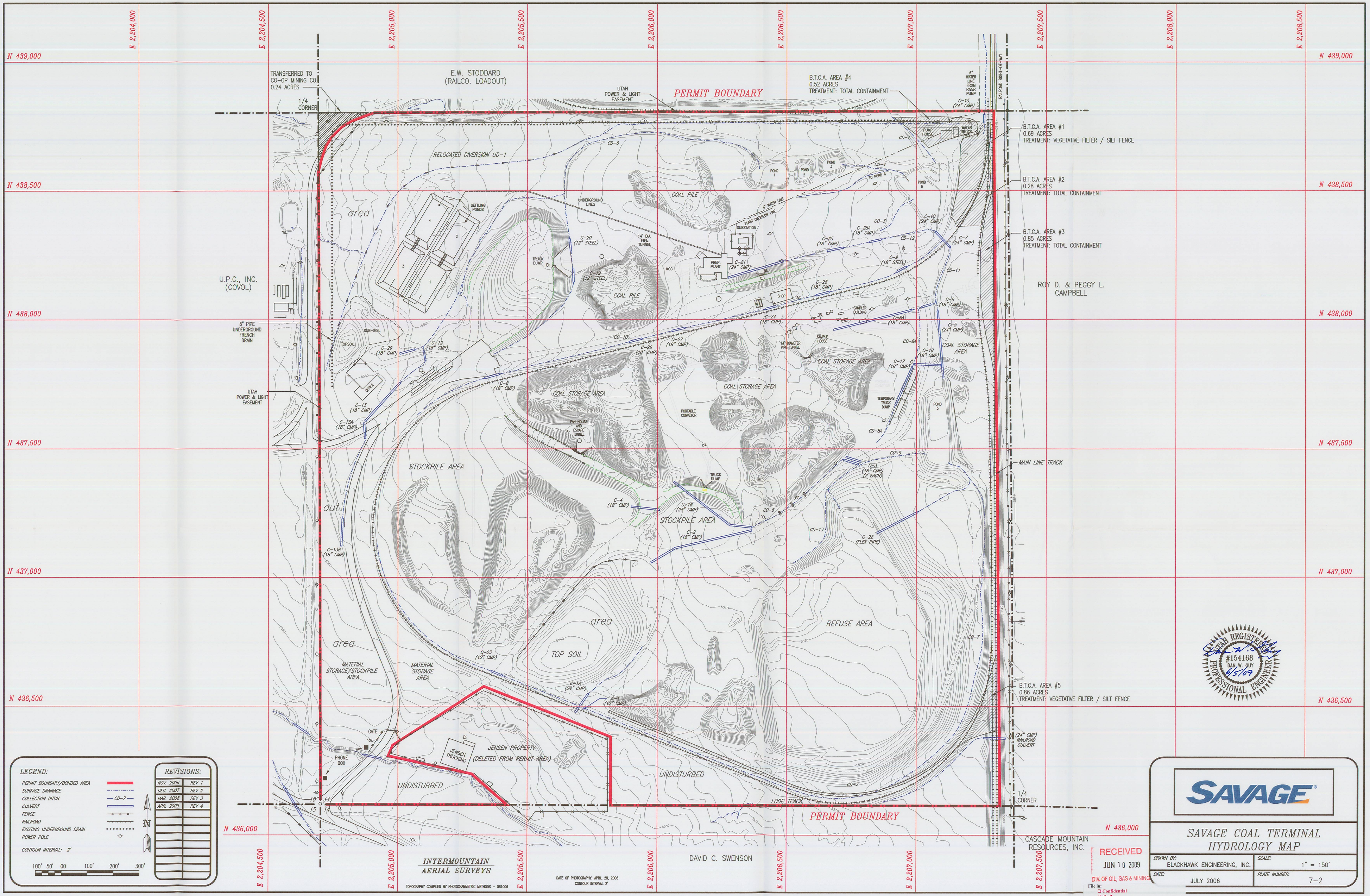
E 2,204,000
E 2,204,500
E 2,205,000
E 2,205,500
E 2,206,000
E 2,206,500
E 2,207,000
E 2,207,500
E 2,208,000
E 2,208,500
N 439,000
N 438,500
N 438,000
N 437,500
N 437,000
N 436,500
N 436,000
TRANSFERRED TO CO-OP MINING CO. 0.24 ACRES
1/4 CORNER
E.W. STODDARD (RAILCO. LOADOUT)
UTAH POWER & LIGHT EASEMENT
PERMIT BOUNDARY
B.T.C.A. AREA #4 0.52 ACRES TREATMENT: TOTAL CONTAINMENT
4" WATER LINE FROM RIVER PUMP
RAILROAD RIGHT-OF-WAY
B.T.C.A. AREA #1 0.69 ACRES TREATMENT: VEGETATIVE FILTER / SILT FENCE
B.T.C.A. AREA #2 0.28 ACRES TREATMENT: TOTAL CONTAINMENT
B.T.C.A. AREA #3 0.85 ACRES TREATMENT: TOTAL CONTAINMENT
B.T.C.A. AREA #5 0.86 ACRES TREATMENT: VEGETATIVE FILTER / SILT FENCE
RELOCATED DIVERSION UD-1
U.P.C., INC. (COVOL)
ROY D. & PEGGY L. CAMPBELL
COAL PILE
COAL STORAGE AREA
STOCKPILE AREA
REFUSE AREA
TOP SOIL
MATERIAL STORAGE/STOCKPILE AREA
MATERIAL STORAGE AREA
JENSEN PROPERTY (DELETED FROM PERMIT AREA)
JENSEN TRUCKING
UNDISTURBED
LOOP TRACK
MAIN LINE TRACK
PREP. PLANT
SUBSTATION
SHOP
SAMPLER BUILDING
SAMPLE HOUSE
PORTABLE CONVEYOR
FAN HOUSE AND ESCAPE TUNNEL
TRUCK DUMP
TEMPORARY TRUCK DUMP
PUMP HOUSE
WATER TRUCK FILL
POND 1
POND 2
POND 3
POND 4
POND 5
POND 6
SETTLING PONDS
UNDERGROUND LINES
14' DIA. PIPE TUNNEL
14' DIAMETER PIPE TUNNEL
MCC
OFFICE
TOPSOIL
SUB-SOIL
8" PIPE UNDERGROUND FRENCH DRAIN
GATE
PHONE BOX
(24" CMP) RAILROAD CULVERT
C-15 (24" CMP)
C-10 (24" CMP)
C-7 (24" CMP)
C-25A (18" CMP)
C-25 (18" CMP)
C-9 (18" STEEL)
C-20 (12" STEEL)
C-19 (12" STEEL)
C-21 (24" CMP)
C-28 (18" CMP)
C-6 (18" CMP)
C-24 (18" CMP)
C-8A (18" CMP)
C-5 (24" CMP)
C-27 (18" CMP)
C-26 (18" CMP)
C-18 (18" CMP)
C-17 (18" CMP)
C-12 (18" CMP)
C-29 (18" CMP)
C-8 (18" CMP)
C-13 (18" CMP)
C-134 (18" CMP)
C-3 (18" CMP) (2 EACH)
C-4 (18" CMP)
C-16 (24" CMP)
C-2 (18" CMP)
C-22 (FLEX PIPE)
C-13B (18" CMP)
C-23 (12" CMP)
C-1A (24" CMP)
C-1 (12" CMP)
CD-1
CD-2
CD-3
CD-4
CD-6
CD-7
CD-8
CD-8A
CD-9
CD-10
CD-11
CD-12
CD-13
CD-14
CD-15
CD-16
CD-17
CD-18
CD-19
CD-20
CD-21
CD-22
CD-23
CD-24
CD-25
CD-26
CD-27
CD-28
CD-29
CD-134
LEGEND:
PERMIT BOUNDARY/BONDED AREA
SURFACE DRAINAGE
COLLECTION DITCH
CULVERT
FENCE
RAILROAD
EXISTING UNDERGROUND DRAIN
POWER POLE
CONTOUR INTERVAL: 2'
100' 50' 00 100' 200' 300'
REVISIONS:
NOV. 2006 REV 1
DEC. 2007 REV 2
MAR. 2008 REV 3
APR. 2009 REV 4
INTERMOUNTAIN AERIAL SURVEYS
TOPOGRAPHY COMPILED BY PHOTOGRAMMETRIC METHODS – 061006
DATE OF PHOTOGRAPHY: APRIL 28, 2006
CONTOUR INTERVAL 2'
DAVID C. SWENSON
CASCADE MOUNTAIN RESOURCES, INC.
UTAH REGISTERED #154168 DAN W. GUY 6/5/09 PROFESSIONAL ENGINEER
RECEIVED JUN 10 2009 DIV. OF OIL, GAS & MINING
File in: Confidential Shelf
SAVAGE
SAVAGE COAL TERMINAL HYDROLOGY MAP
DRAWN BY: BLACKHAWK ENGINEERING, INC.
SCALE: 1" = 150'
DATE: JULY 2006
PLATE NUMBER: 7-2