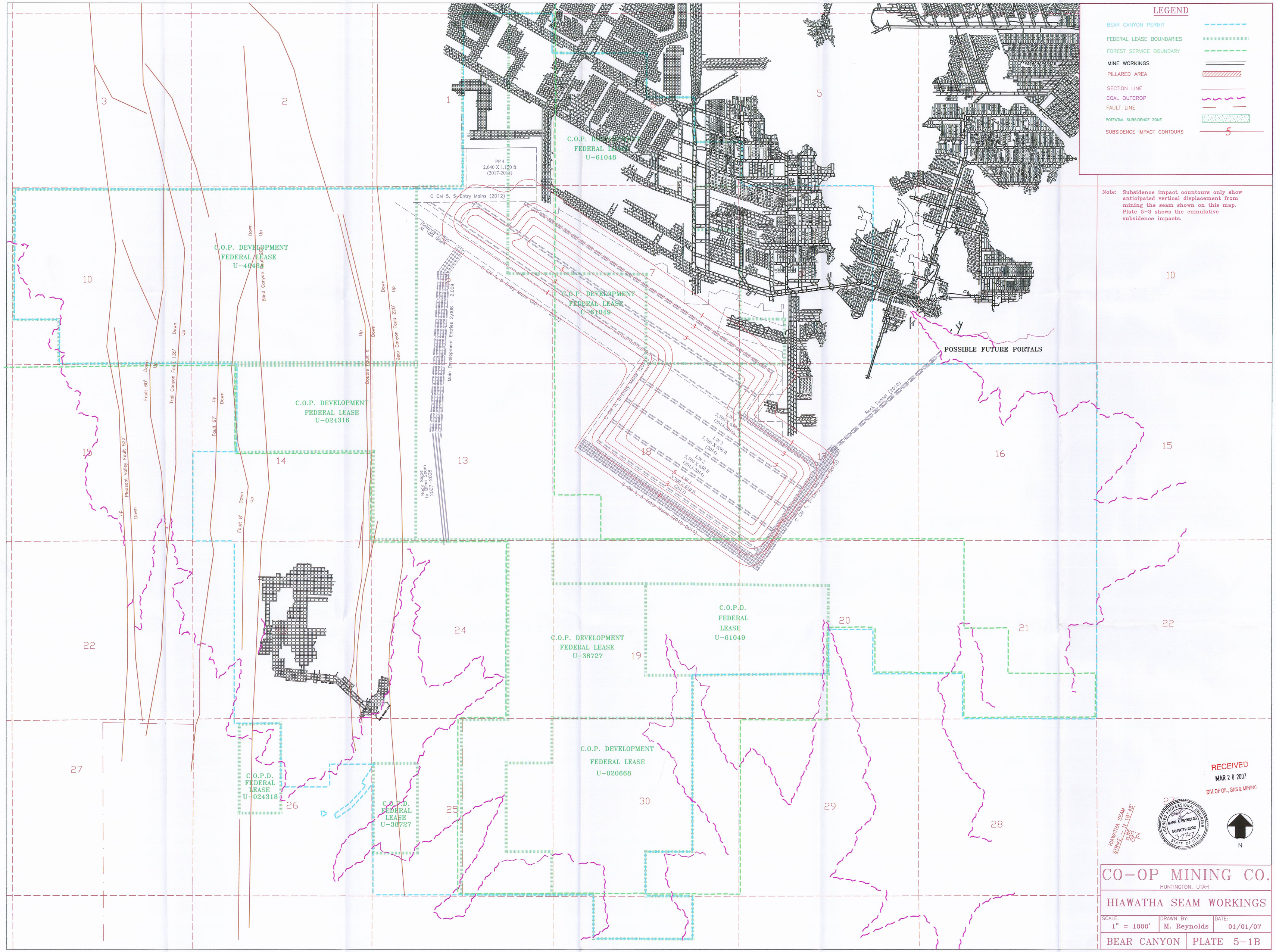
LEGEND
BEAR CANYON PERMIT
FEDERAL LEASE BOUNDARIES
FOREST SERVICE BOUNDARY
MINE WORKINGS
PILLARED AREA
SECTION LINE
COAL OUTCROP
FAULT LINE
POTENTIAL SUBSIDENCE ZONE
SUBSIDENCE IMPACT CONTOURS
5
Note: Subsidence impact countours only show anticipated vertical displacement from mining the seam shown on this map. Plate 5-3 shows the cumulative subsidence impacts.
C.O.P. DEVELOPMENT FEDERAL LEASE U-61048
C.O.P. DEVELOPMENT FEDERAL LEASE U-61049
C.O.P. DEVELOPMENT FEDERAL LEASE U-024316
C.O.P. DEVELOPMENT FEDERAL LEASE U-38727
C.O.P.D. FEDERAL LEASE U-61049
C.O.P. DEVELOPMENT FEDERAL LEASE U-020668
C.O.P.D. FEDERAL LEASE U-024318
C.O.P.D. FEDERAL LEASE U-38727
POSSIBLE FUTURE PORTALS
PP 4 2,040 X 1,150 ft (2017-2018)
C CM 5, 5-Entry Mains (2012)
C CM 4, 5 Entry Mains (2011 - 2012)
C CM 3, 5-Entry Mains (2012)
C CM 1, 5 Entry Mains (2010 - 2011)
C CM 1, 5-Entry Mains (2010)
Main Development Entries 2,008 - 2,009
Rock Slope to Blind Seam 2007-2008
Rock Tunnel (2010)
Pleasant Valley Fault 522'
Trail Canyon Fault 135'
Fault 60'
Fault 67'
Fault 8'
Blind Canyon Fault 200'
Double Fault 6'
Bear Canyon Fault 220'
Up
Down
RECEIVED
MAR 2 8 2007
DIV. OF OIL, GAS & MINING
HIAWATHA SEAM STRIKE - N 19°45'
DIP 2.5°
LICENSED PROFESSIONAL ENGINEER
MARK A. REYNOLDS
5049079-2202
STATE OF UTAH
N
CO-OP MINING CO.
HUNTINGTON, UTAH
HIAWATHA SEAM WORKINGS
SCALE: 1" = 1000'
DRAWN BY: M. Reynolds
DATE: 01/01/07
BEAR CANYON
PLATE 5-1B