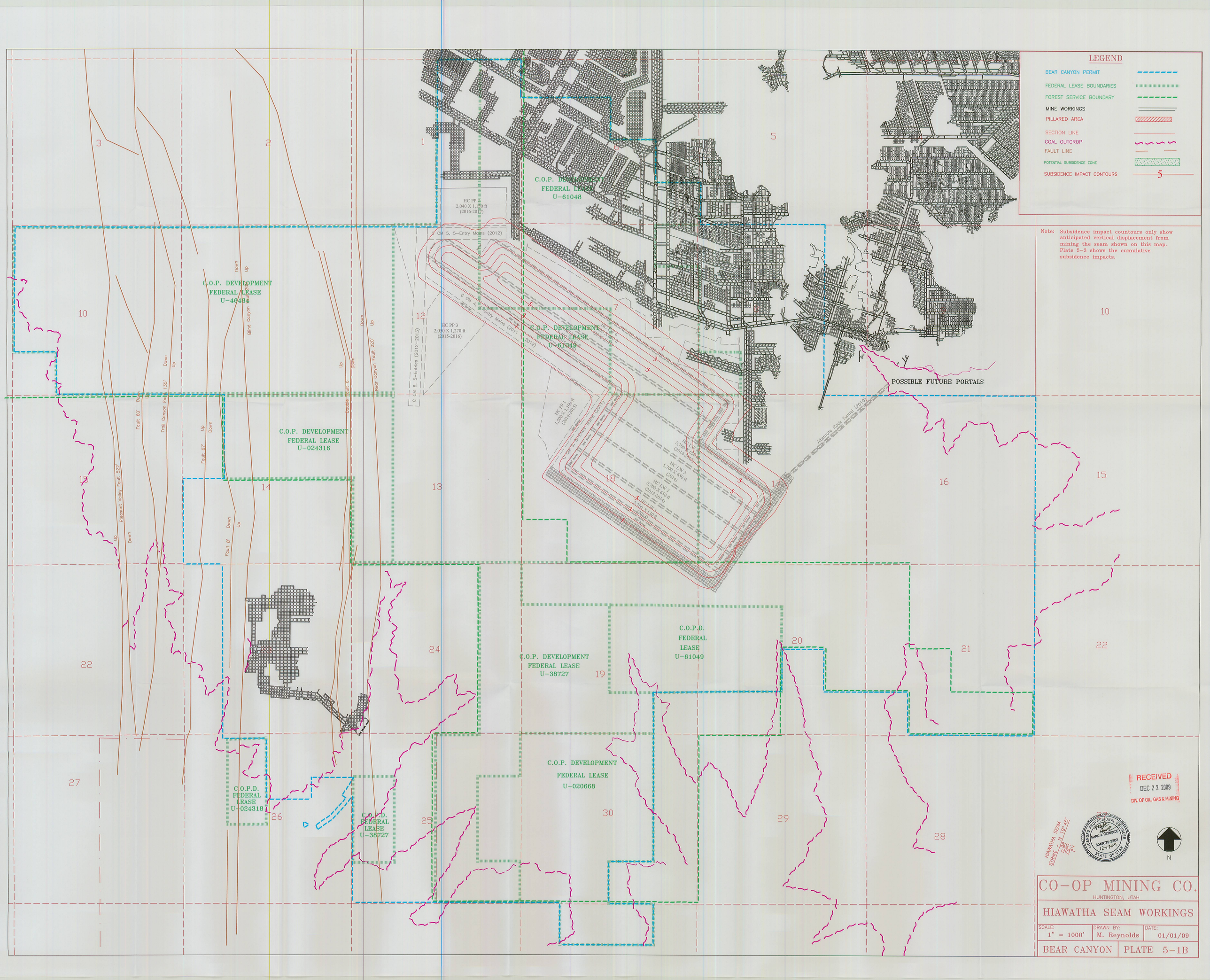
LEGEND
BEAR CANYON PERMIT
FEDERAL LEASE BOUNDARIES
FOREST SERVICE BOUNDARY
MINE WORKINGS
PILLARED AREA
SECTION LINE
COAL OUTCROP
FAULT LINE
POTENTIAL SUBSIDENCE ZONE
SUBSIDENCE IMPACT CONTOURS
5
Note: Subsidence impact countours only show anticipated vertical displacement from mining the seam shown on 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-46484
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
Alternate Rock Tunnel (2010)
Pleasant Valley Fault 522'
Trail Canyon Fault 135'
Blind Canyon
Bear Canyon Fault 220'
Fault 60'
Fault 67'
Fault 8'
HC PP 2 2,040 X 1,150 ft (2016-2017)
HC PP 3 2,050 X 1,270 ft (2015-2016)
HC PP 1 1,500 X 1,100 ft (2014-2015)
HC LW 3 5,700 X 650 ft (2014)
HC LW 2 5,700 X 650 ft (2013-2014)
HC LW 1 5,700 X 530 ft (2013)
C CM 5, 5-Entry Mains (2012)
C CM 6, 5-Entries (2012-2013)
RECEIVED
DEC 22 2009
DIV. OF OIL, GAS & MINING
HIAWATHA SEAM STRIKE - N 19°45' E
LICENSED PROFESSIONAL ENGINEER
MARK A. REYNOLDS
5049079-2202
12-17-09
STATE OF UTAH
N
CO-OP MINING CO.
HUNTINGTON, UTAH
HIAWATHA SEAM WORKINGS
SCALE: 1" = 1000'
DRAWN BY: M. Reynolds
DATE: 01/01/09
BEAR CANYON
PLATE 5-1B