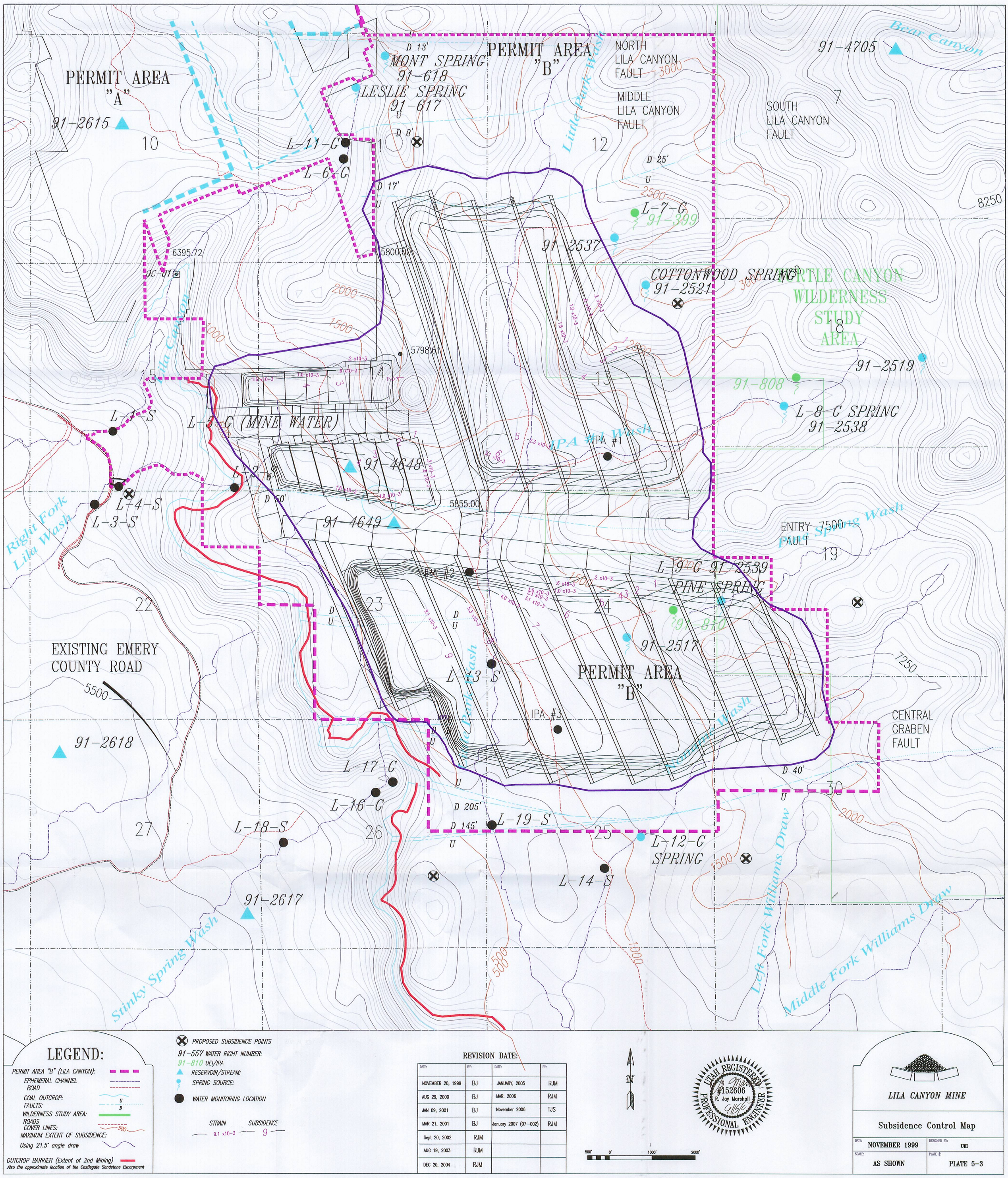

LEGEND:

- PERMIT AREA "B" (LILA CANYON):
- EPHEMERAL CHANNEL
- ROAD
- COAL OUTCROP:
- FAULTS: U D
- WILDERNESS STUDY AREA:
- ROADS
- COVER LINES: 500
- MAXIMUM EXTENT OF SUBSIDENCE:
- Using 21.5° angle draw
- OUTCROP BARRIER (Extent of 2nd Mining)
  Also the approximate location of the Castlegate Sandstone Escarpment

PROPOSED SUBSIDENCE POINTS
91-557 WATER RIGHT NUMBER:
91-810 UEI/IPA
RESERVOIR/STREAM:
SPRING SOURCE:
WATER MONITORING LOCATION

STRAIN — 9.1 x10-3
SUBSIDENCE — 9

REVISION DATE:

DATE:	BY:	DATE:	BY:
NOVEMBER 20, 1999	BJ	JANUARY, 2005	RJM
AUG 29, 2000	BJ	MAR. 2006	RJM
JAN 09, 2001	BJ	November 2006	TJS
MAR 21, 2001	BJ	January 2007 (07-002)	RJM
Sept 20, 2002	RJM		
AUG 19, 2003	RJM		
DEC 20, 2004	RJM		

N

500' 0' 1000' 2000'

UTAH REGISTERED PROFESSIONAL ENGINEER #152606 R. Jay Marshall

LILA CANYON MINE

Subsidence Control Map

DATE: NOVEMBER 1999	DESIGNED BY: UEI
SCALE: AS SHOWN	PLATE #: PLATE 5-3

RECEIVED
JUN 18 2007
DIV. OF OIL, GAS & MINING