



Exhibit 13



FIGURE 1.1 LOCATION OF PROPOSED MINING

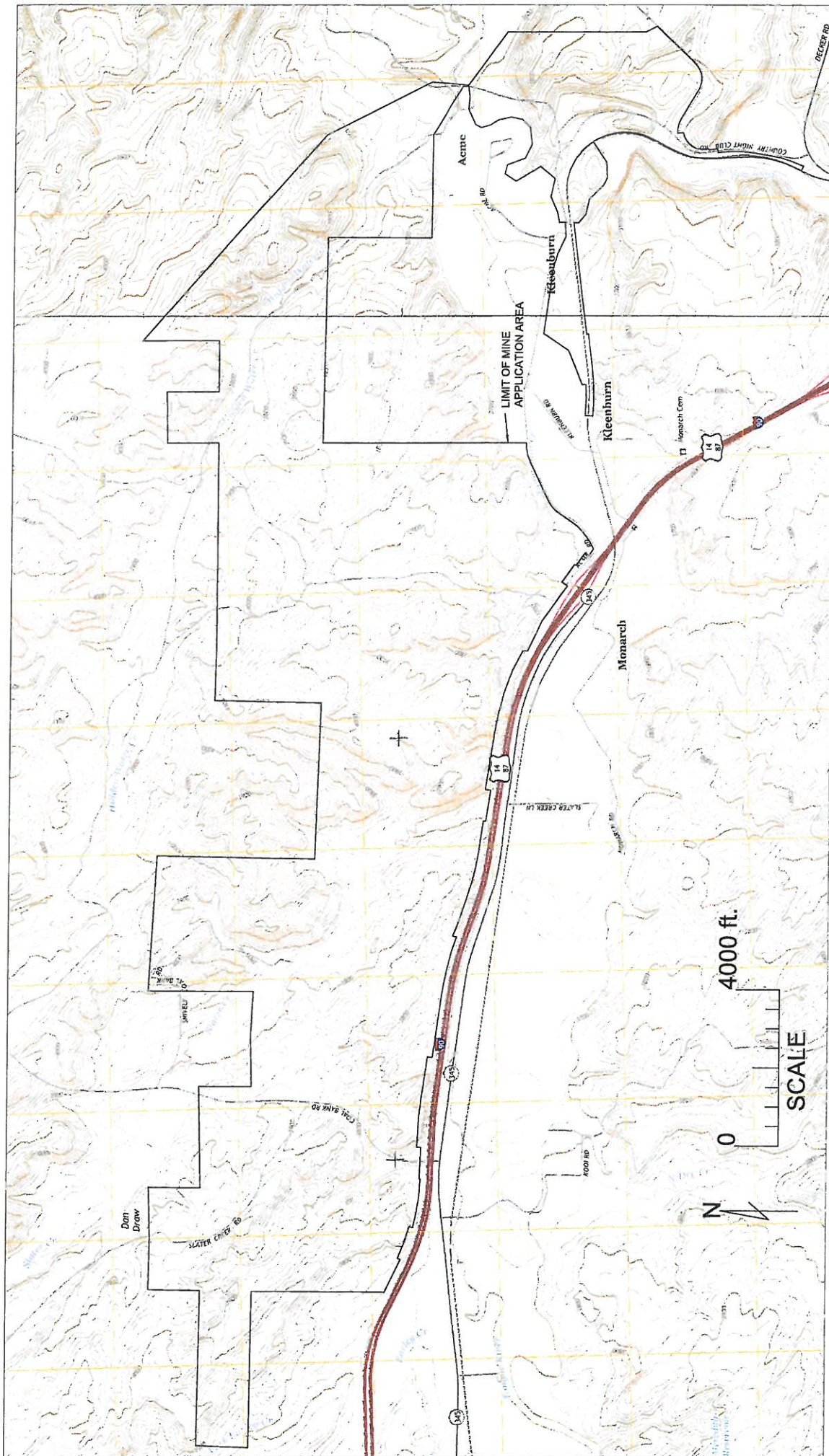
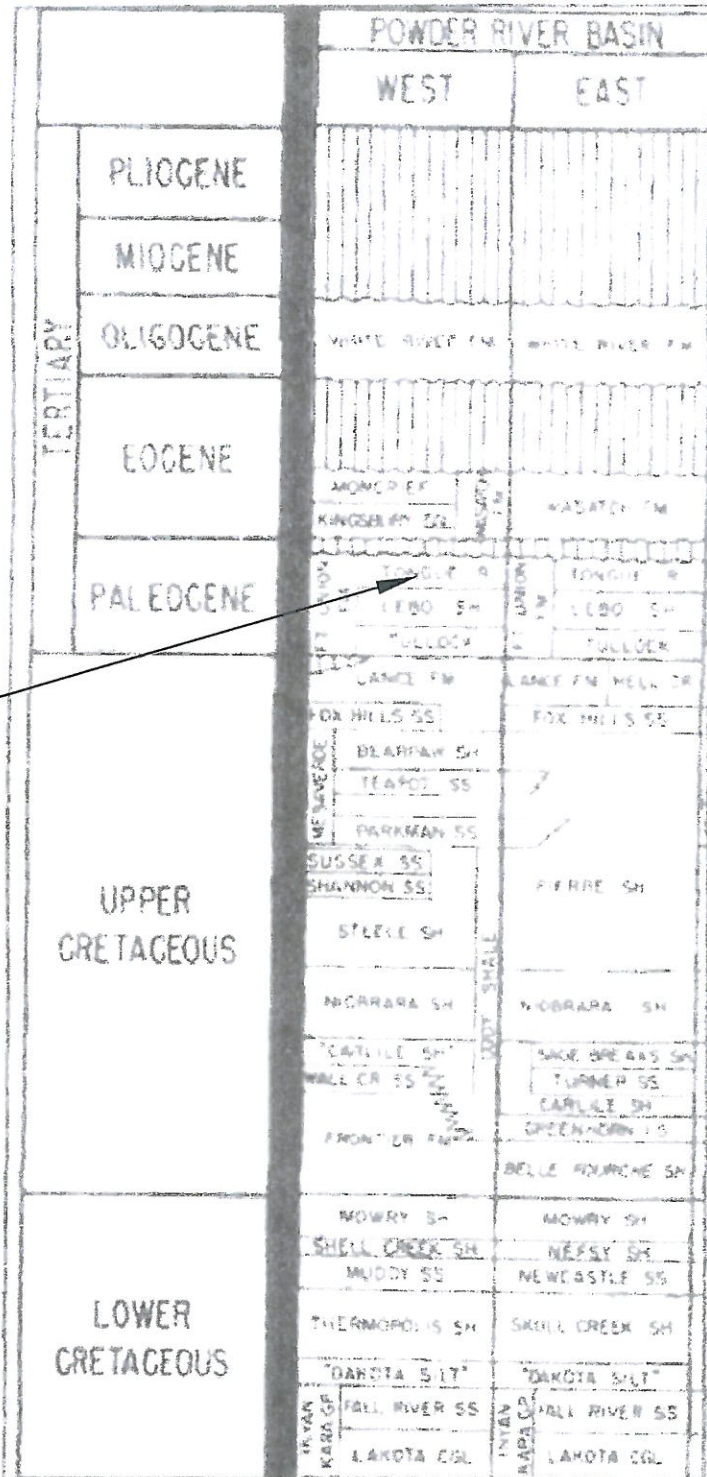


FIGURE 1.2 LOCATION OF MINE APPLICATION AREA FOR THE PROPOSED BROOK MINE SUPERIMPOSED ON QUAD TOPO MAP



Carney lies above the Masters and "generally mark the bottom of the Tongue River Member" p. D5-10

FIGURE 2.1 GEOLOGIC COLUMN FOR PROPOSED MINE SITE (SEE P.D5-F4)

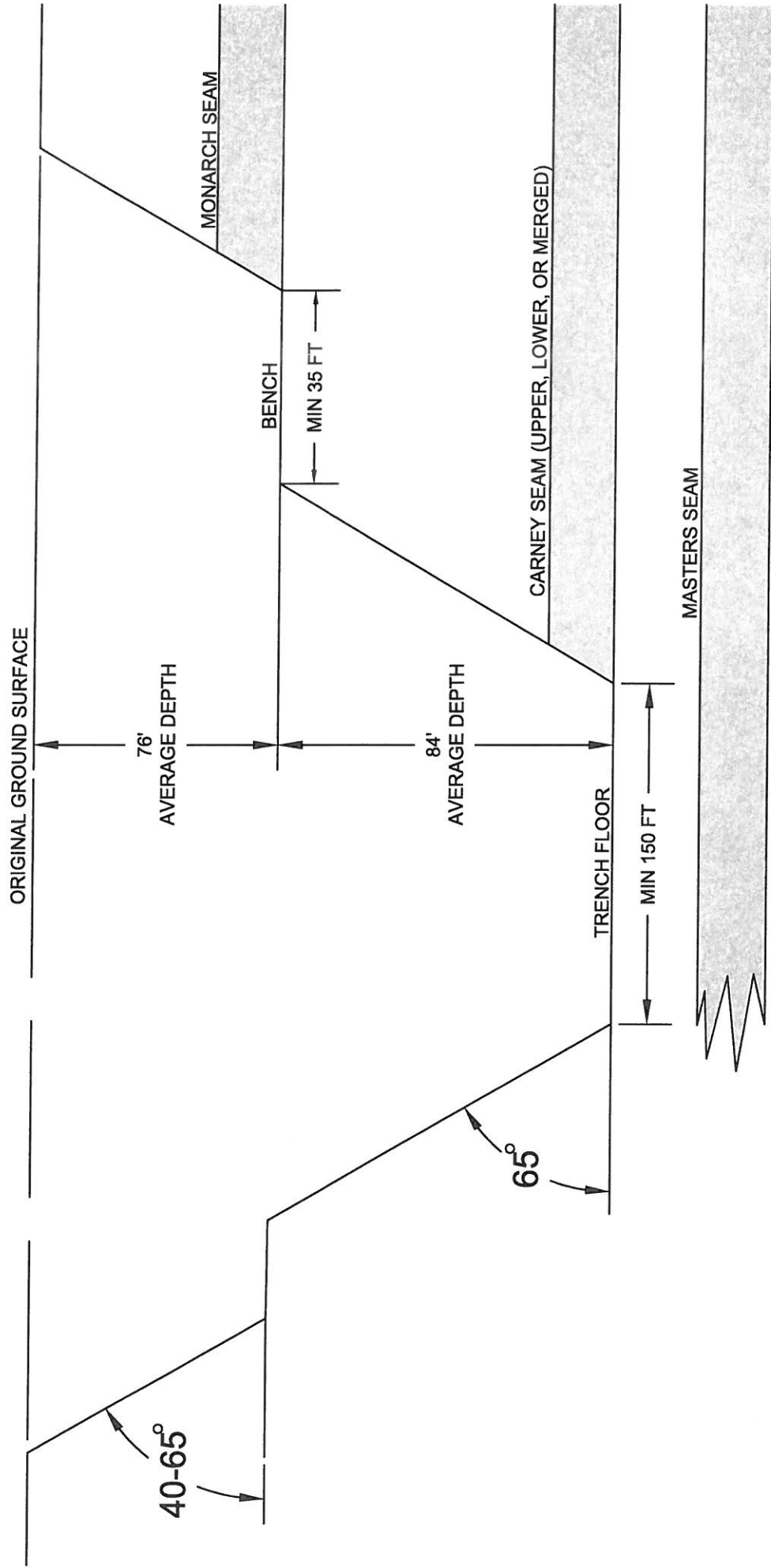


FIGURE 4.1 ILLUSTRATION OF PROPOSED HIGHWALL MINING OF COAL VIA STRIP-MINED TRENCH EXCAVATIONS (SEE P. MP-F2)

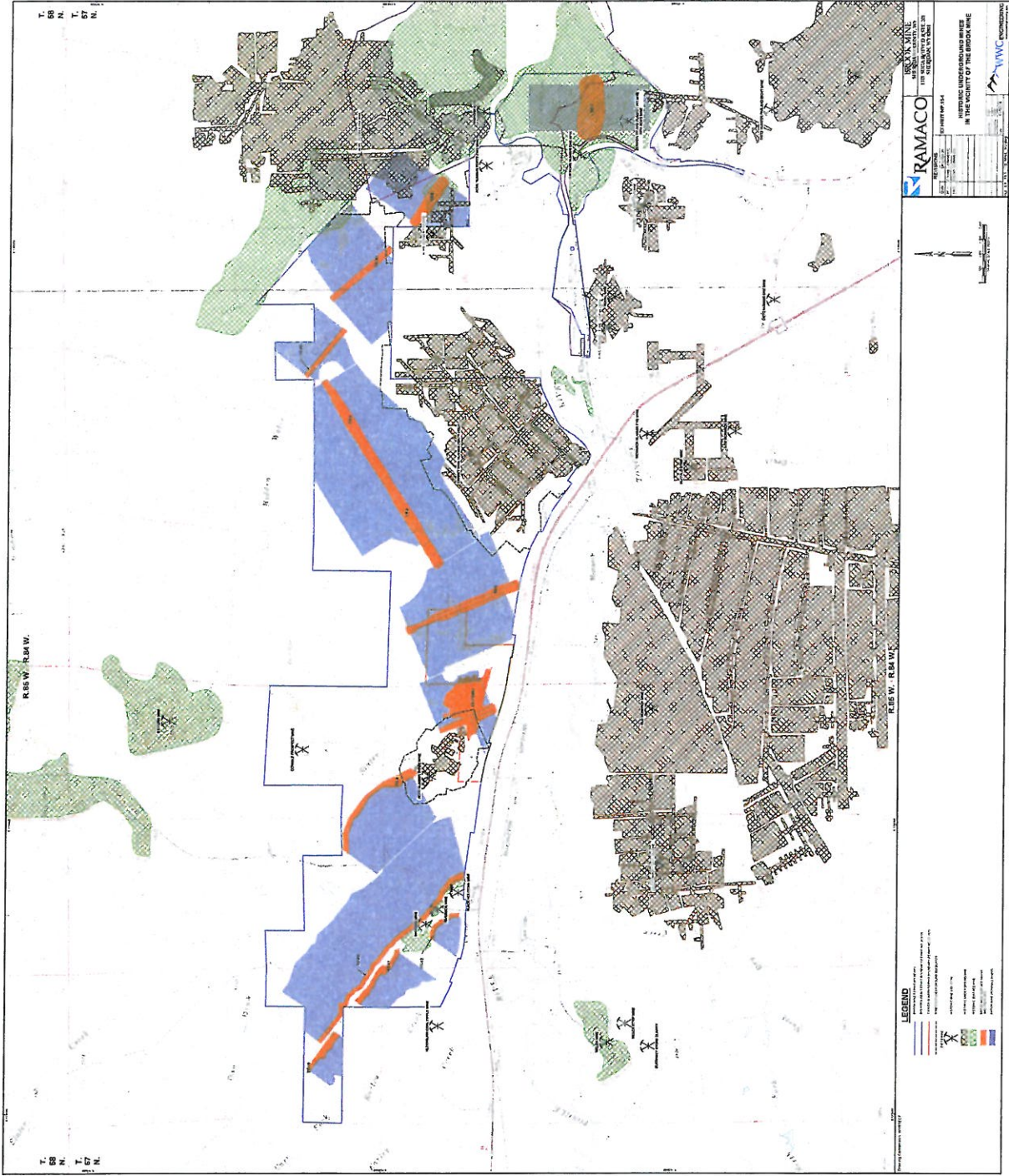


FIGURE 4.2 PROPOSED MINE PLAN (SEE EXHIBIT MP.15-1)

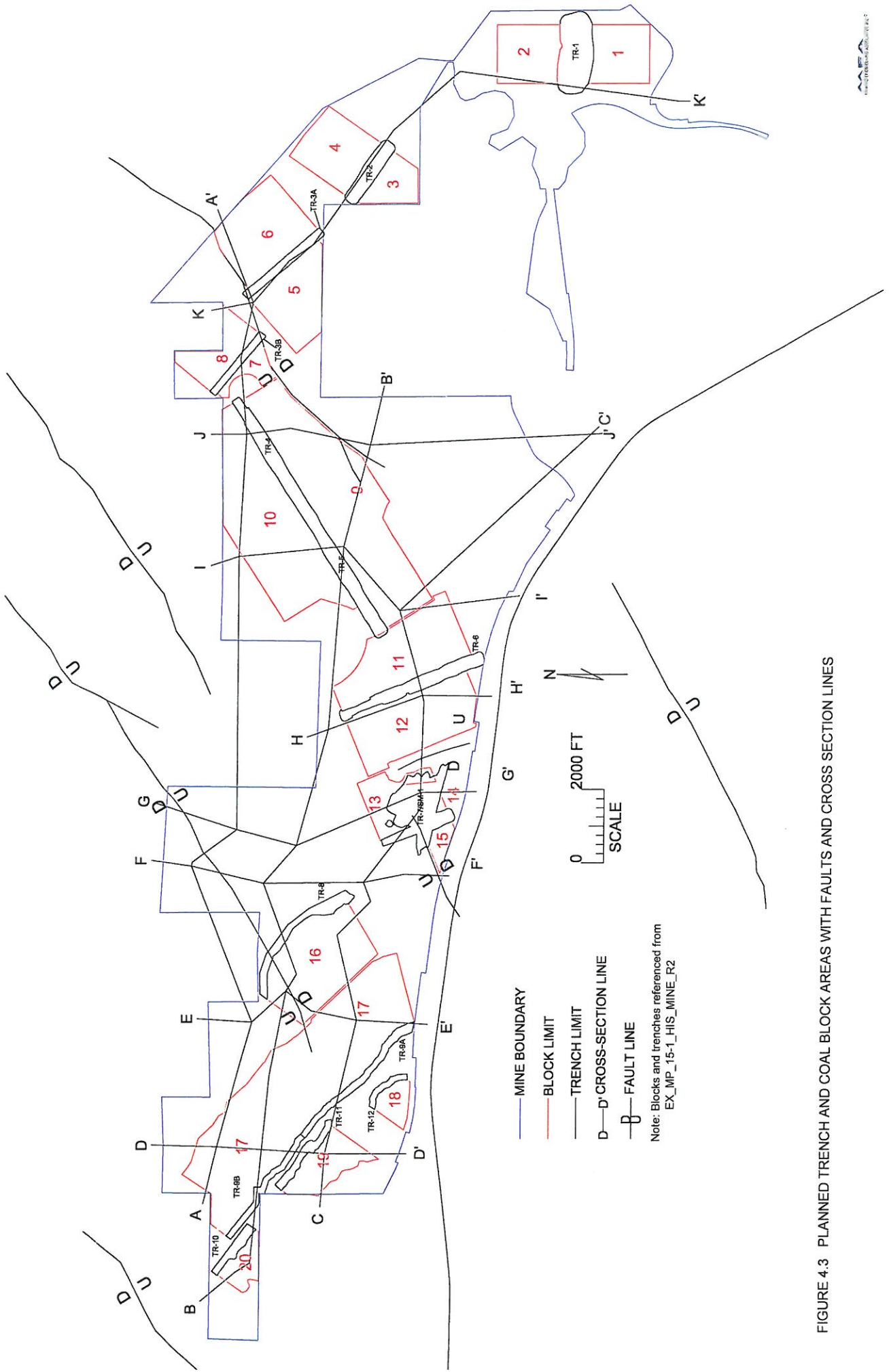
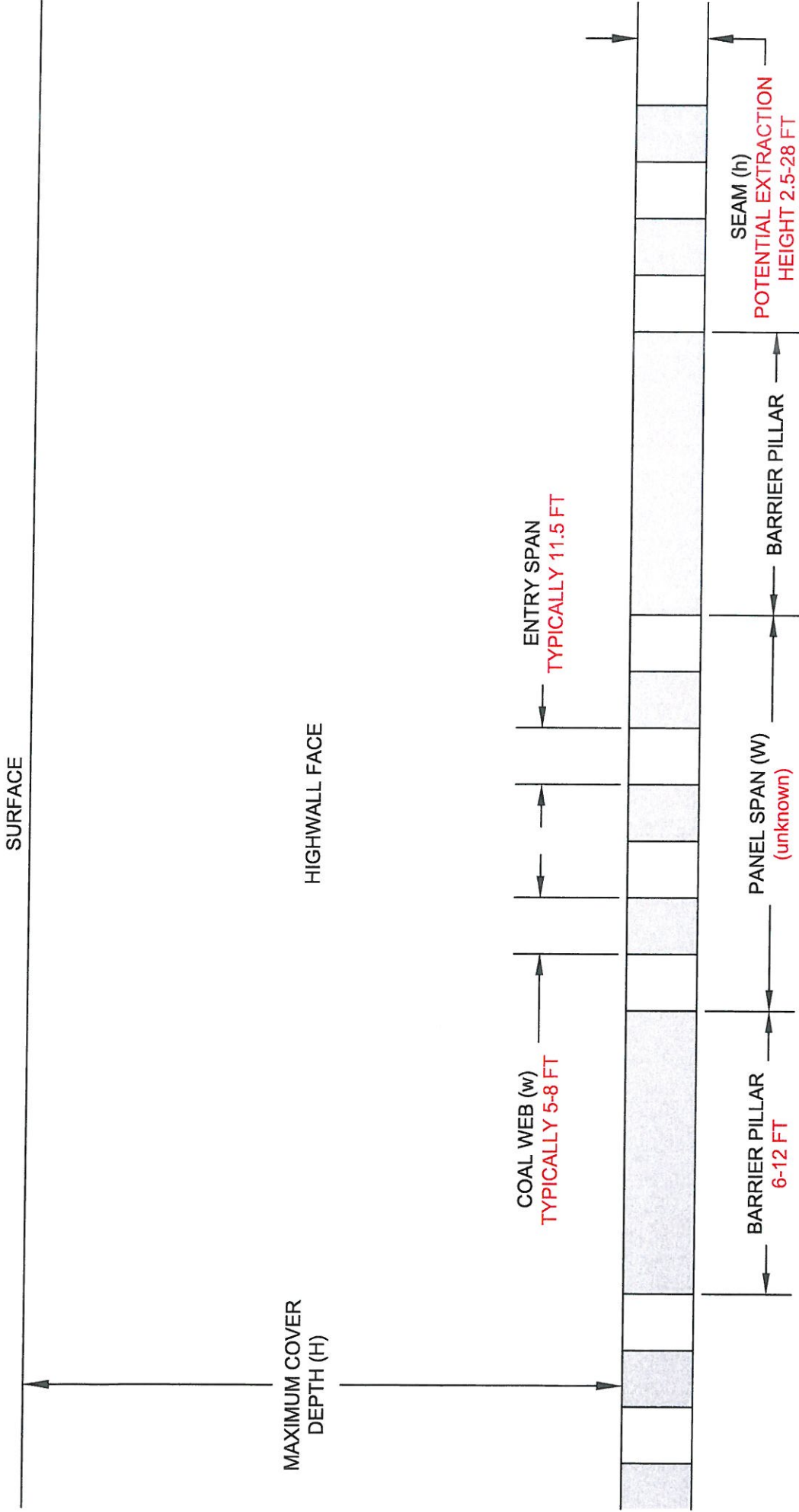


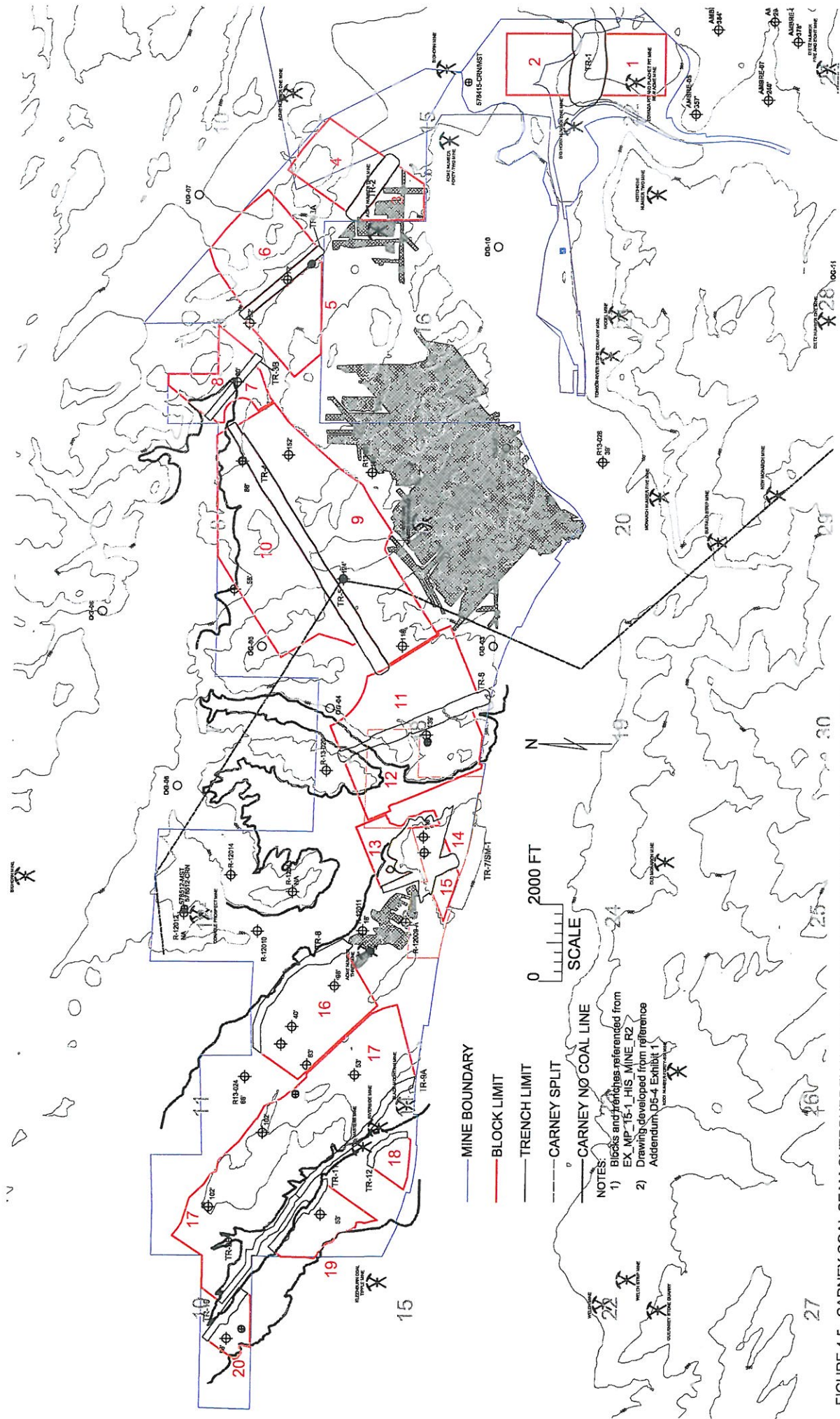
FIGURE 4.3 PLANNED TRENCH AND COAL BLOCK AREAS WITH FAULTS AND CROSS SECTION LINES



NOMENCLATURE FOR GUIDELINES - HIGHWALL MINING

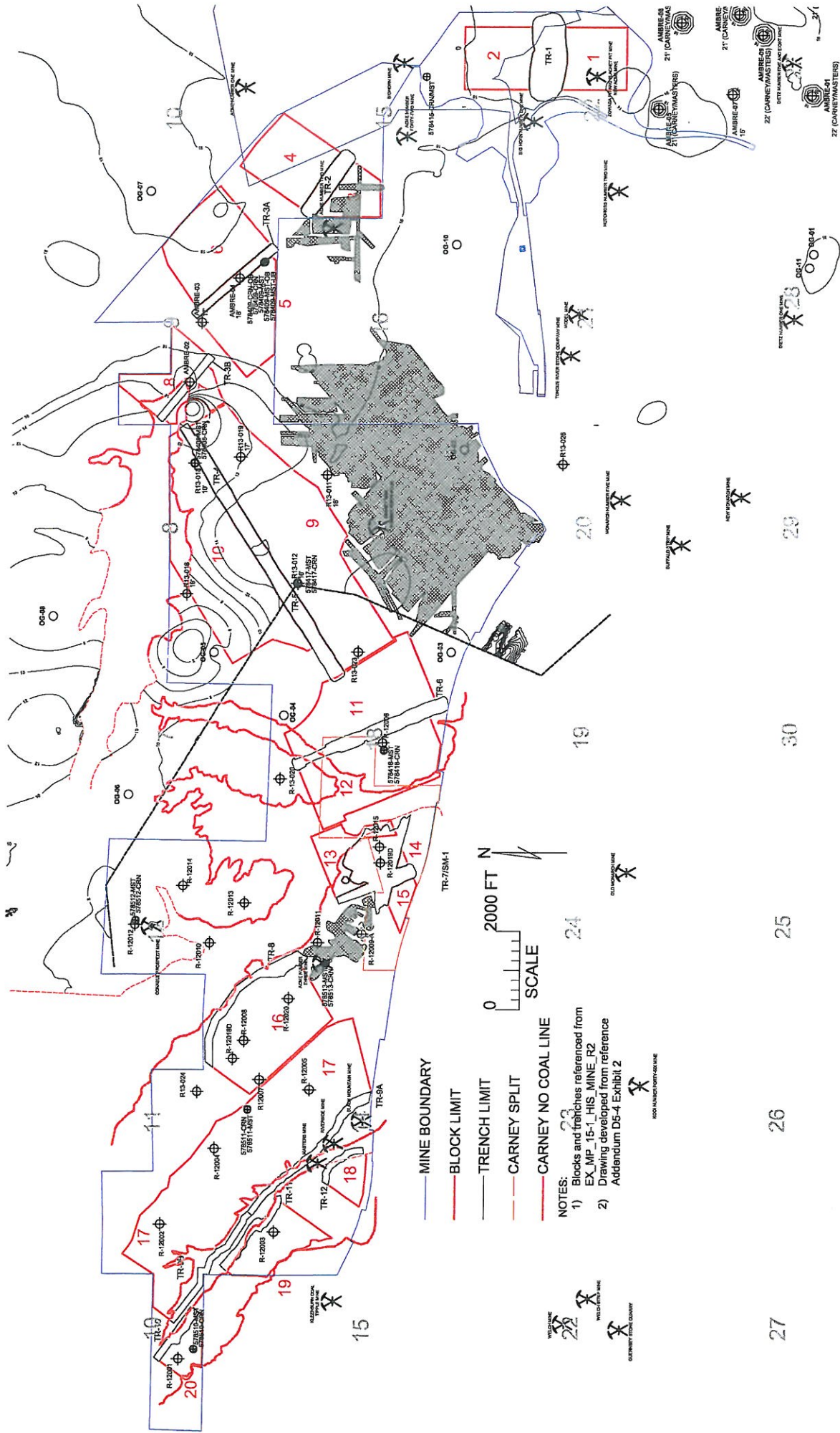
NOT TO SCALE

FIGURE 4.4 PROPOSED HIGHWALL MINING AND PILLAR CONFIGURATION (SEE P. MP-F3)



NOTES:
 1) Bigas and trenches referenced from EX_MP_15-1_HIS_MINE_R2
 2) Drawing developed from reference Addendum_DS-4 Exhibit 1

FIGURE 4.5 CARNEY COAL SEAM OVERBURDEN ISOPACH MAP (UPPER CARNEY WEST OF CARNEY SPLIT) WITH PROPOSED MINE LAYOUT



- NOTES:
- 1) Blocks and trenches referenced from EX. MP. 15-1, HIS. MINE R2
 - 2) Drawing developed from reference Addendum D5-4 Exhibit 2

FIGURE 4.6 CARNEY COAL SEAM THICKNESS ISOPACH EAST OF SEAM SPLIT WITH PROPOSED MINE LAYOUT

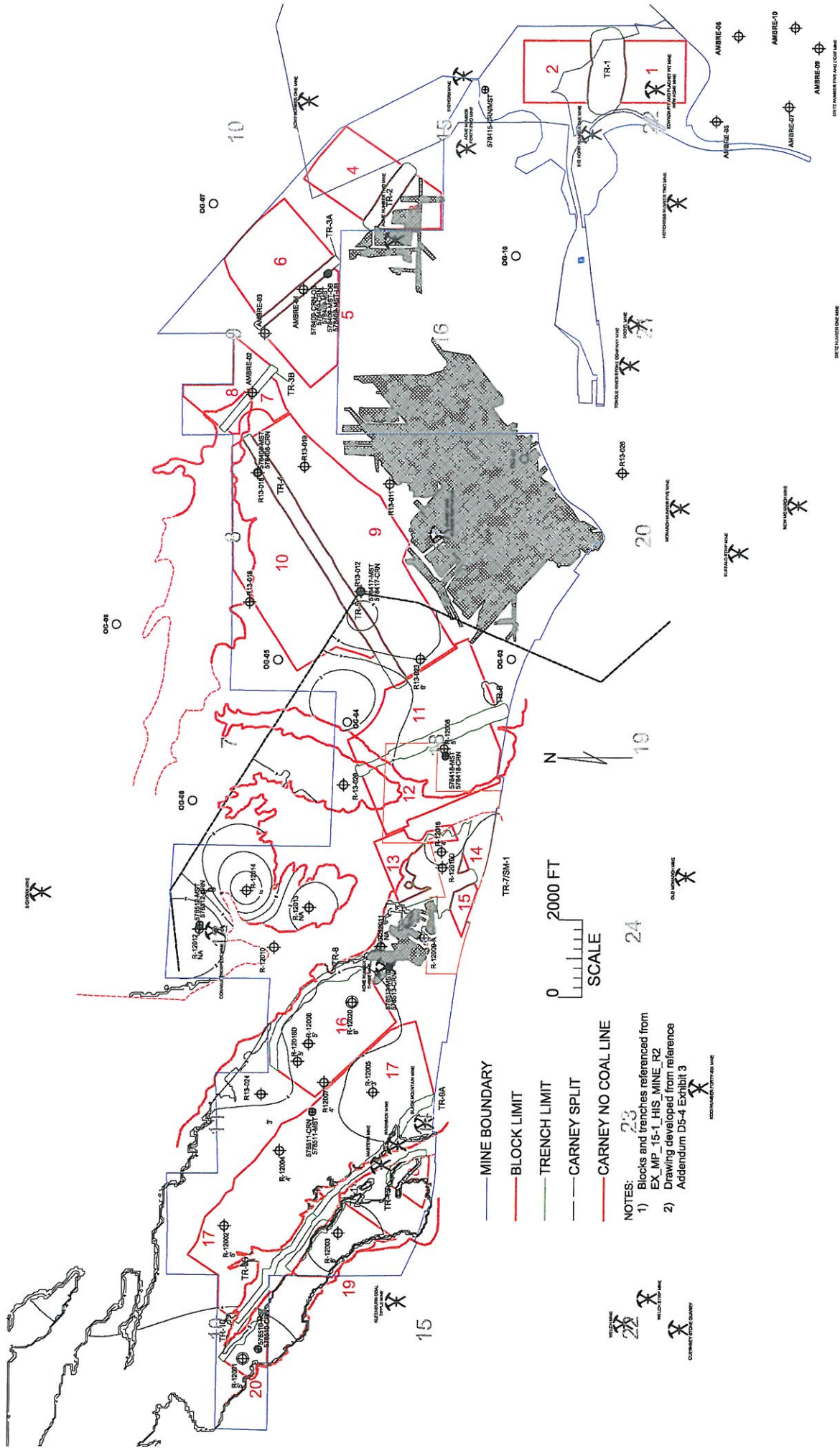
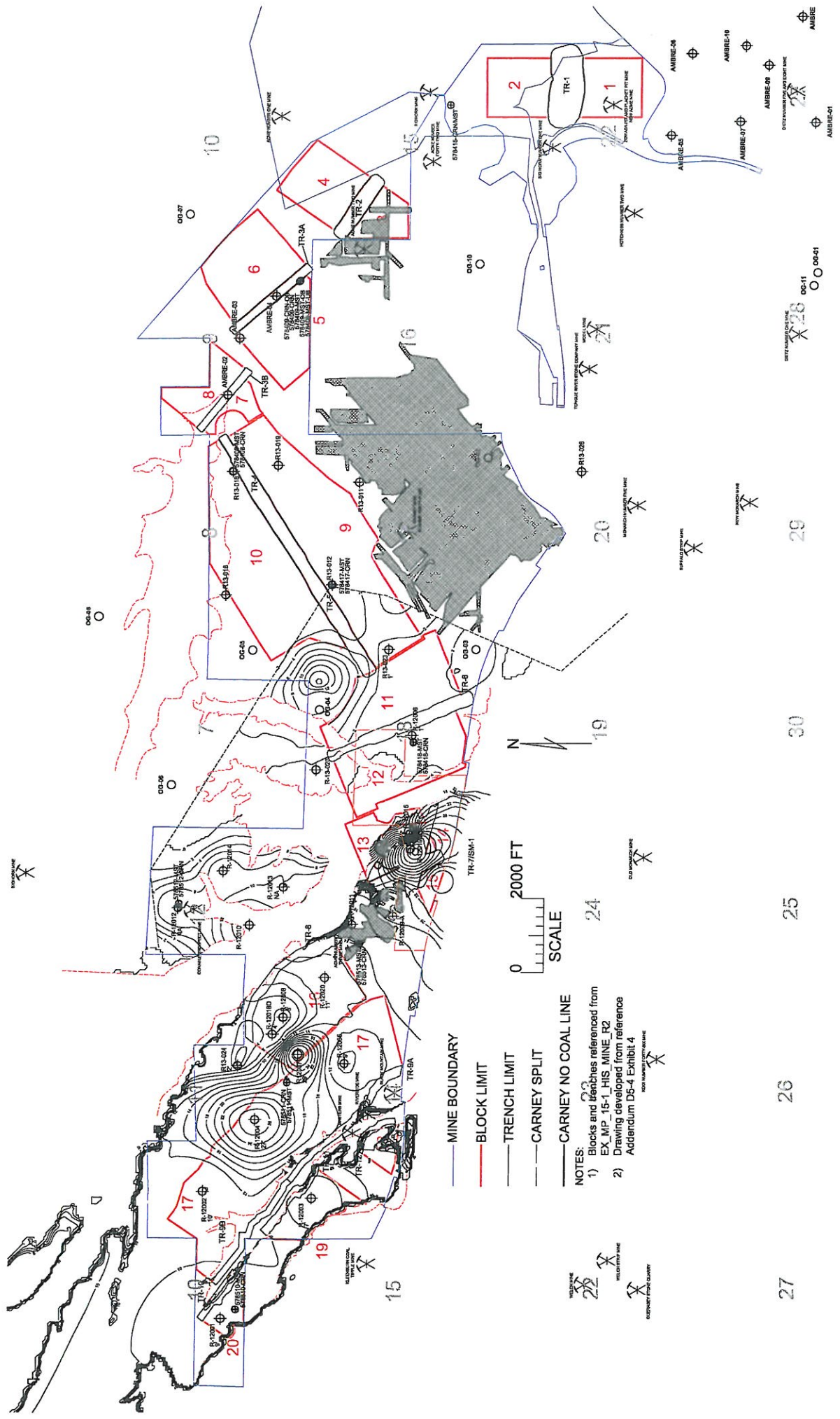


FIGURE 4.7 UPPER CARNEY COAL SEAM THICKNESS ISOPACH MAP WEST OF CARNEY SEAM SPLIT WITH PROPOSED MINE LAYOUT



- MINE BOUNDARY
- BLOCK LIMIT
- TRENCH LIMIT
- CARNEY SPLIT
- CARNEY NO COAL LINE

NOTES:
 1) Blocks and lengths referenced from EX_MP_15-1_HIS_MINE_R2
 2) Drawing developed from reference Addendum D5-4 Exhibit 4



FIGURE 4.8 UPPER AND LOWER CARNEY COAL SEAM INTERBURDEN ISOPACH MAP, WEST OF SEAM SPLIT WITH PROPOSED MINE LAYOUT

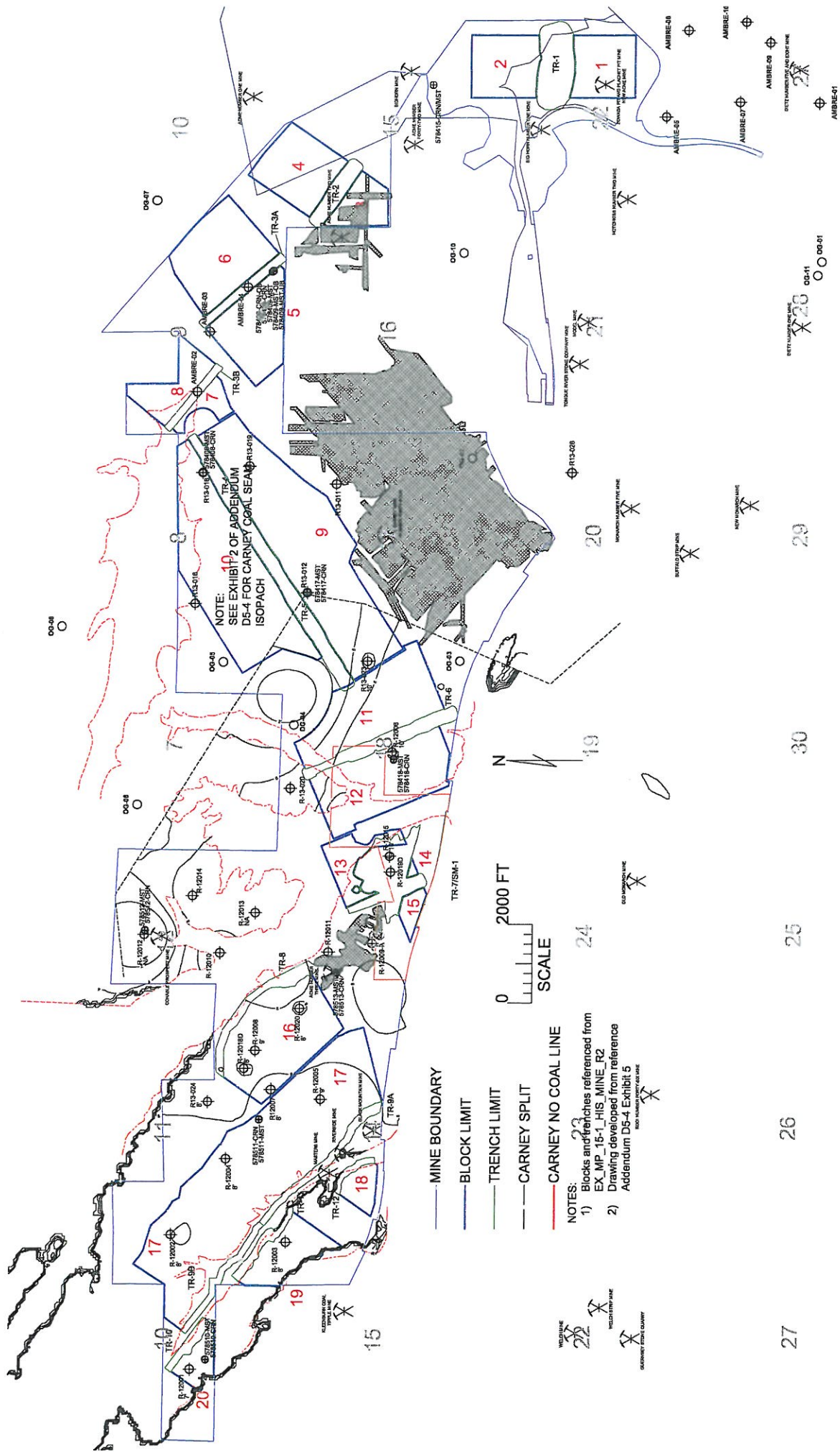
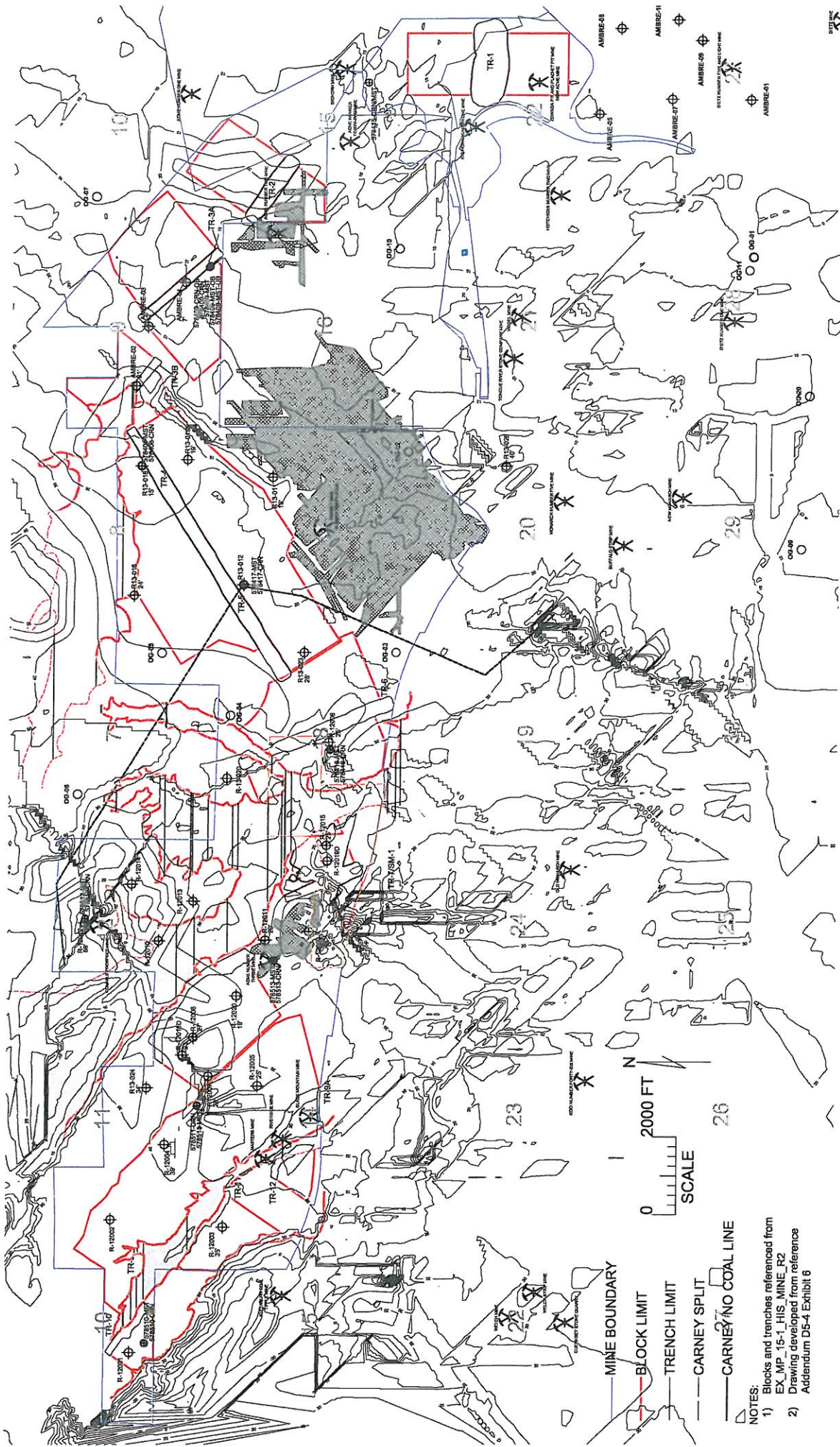
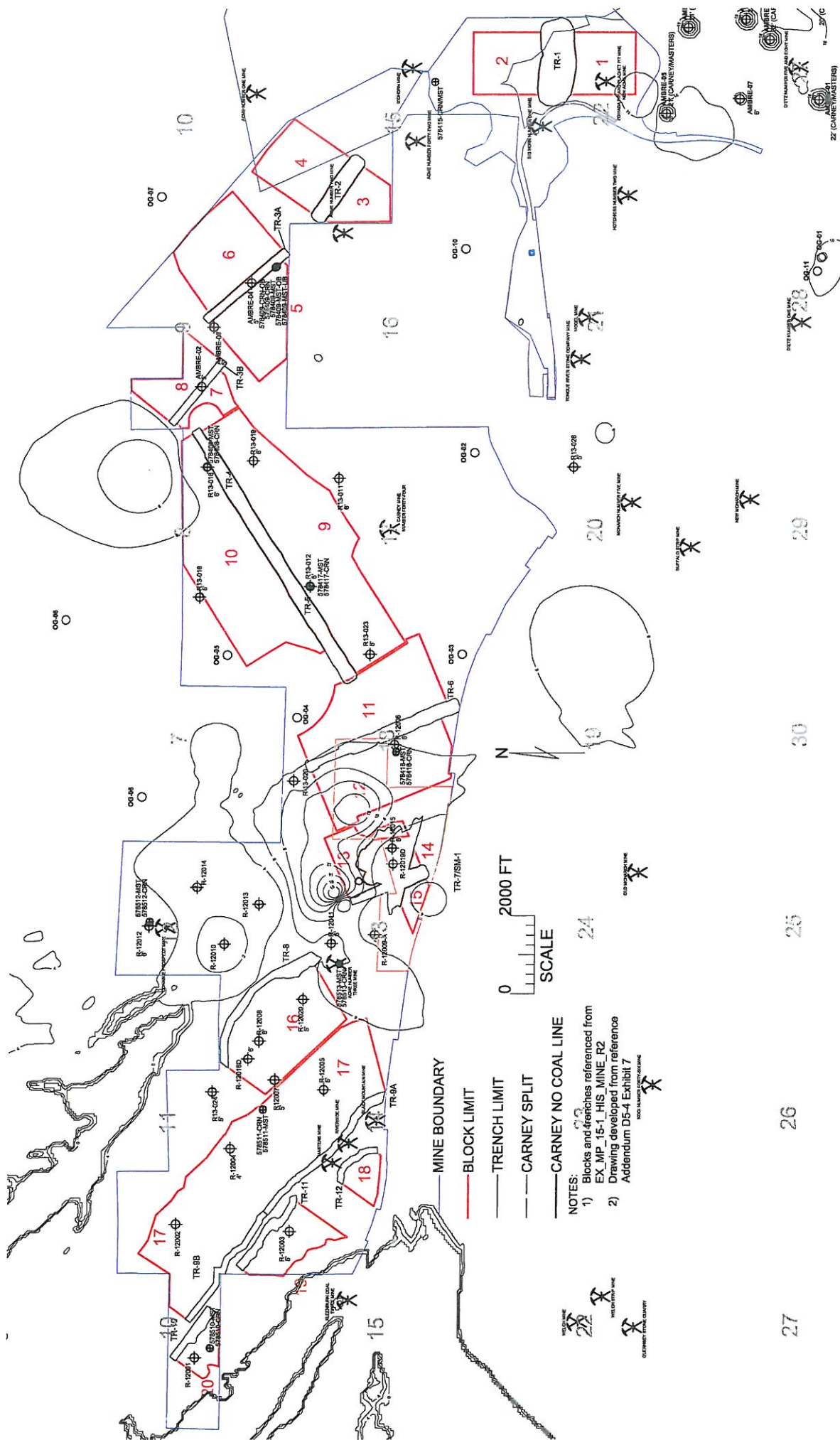


FIGURE 4.9 LOWER CARNEY COAL SEAM THICKNESS ISOPACH MAP, WEST OF SEAM SPLIT WITH PROPOSED MINE LAYOUT



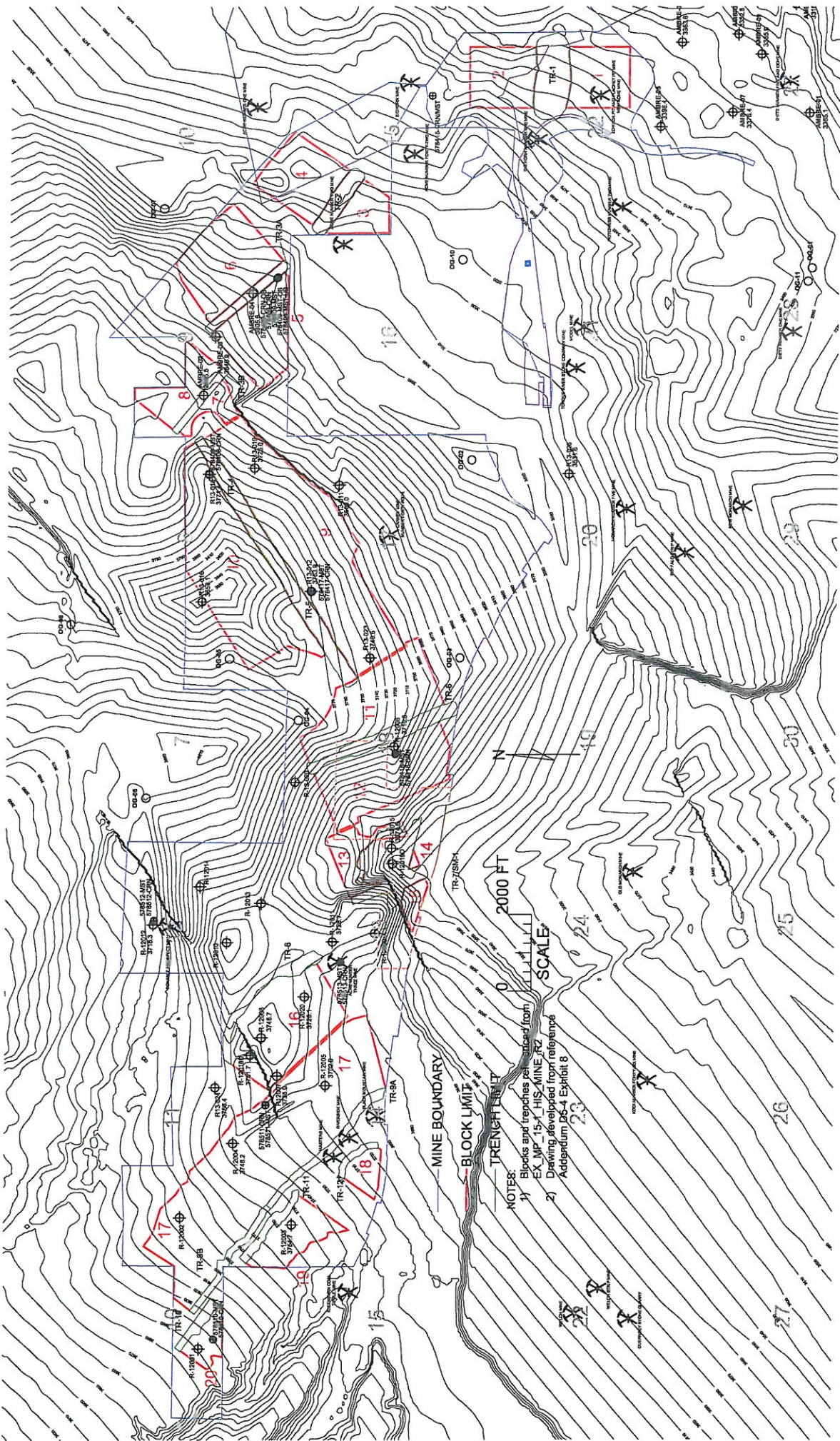
- NOTES:
- 1) Blocks and trenches referenced from EX_MP_15-1_HIS_MINE_R2
 - 2) Drawing developed from reference Addendum D5-4 Exhibit 6

FIGURE 4.10 CARNEY AND MASTERS COAL SEAM INTERBURDEN ISOPACH MAP WITH PROPOSED MINE LAYOUT



- NOTES:
- 1) Blocks and trenches referenced from EX_MP_15-1_HIS_MINE_R2
 - 2) Drawing developed from reference Addendum D5-4 Exhibit 7

FIGURE 4.11 MASTERS COAL THICKNESS ISOPACH WITH PROPOSED MINE LAYOUT



NOTES:
 1) Blocks and trenches relocated from EX_MP_15-1 HIS_MINE_RZ Drawing developed from reference Addendum D5-4 Exhibit B

FIGURE 4.12 MASTERS COAL BOTTOM ELEVATION ISOPACH WITH PROPOSED MINE LAYOUT

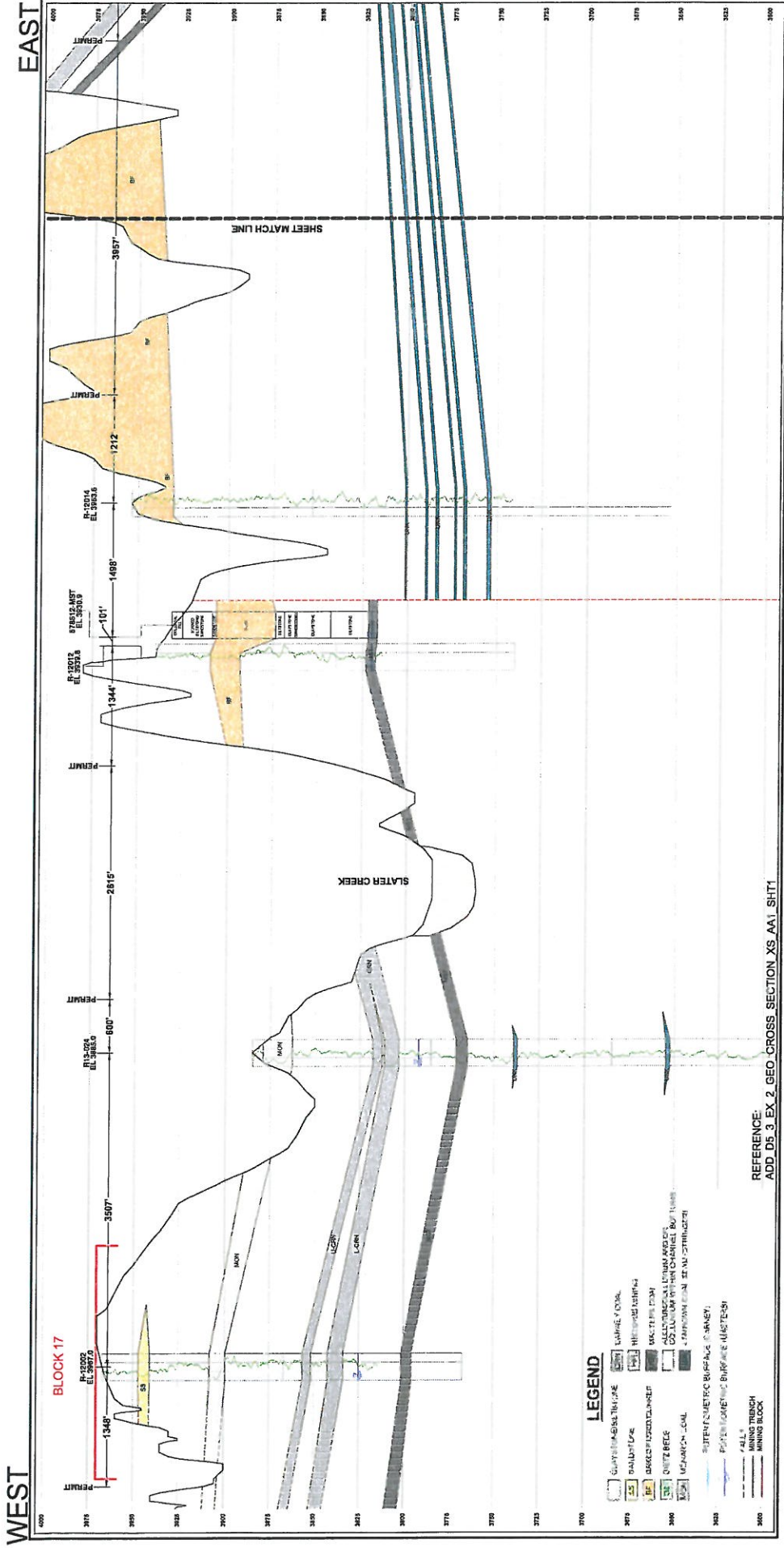


FIGURE 4.13 WEST SECTION OF CROSS-SECTION A-A' SHOWING MINING BLOCK AND TRENCH EXTENTS OF THE PROPOSED BROOK MINE

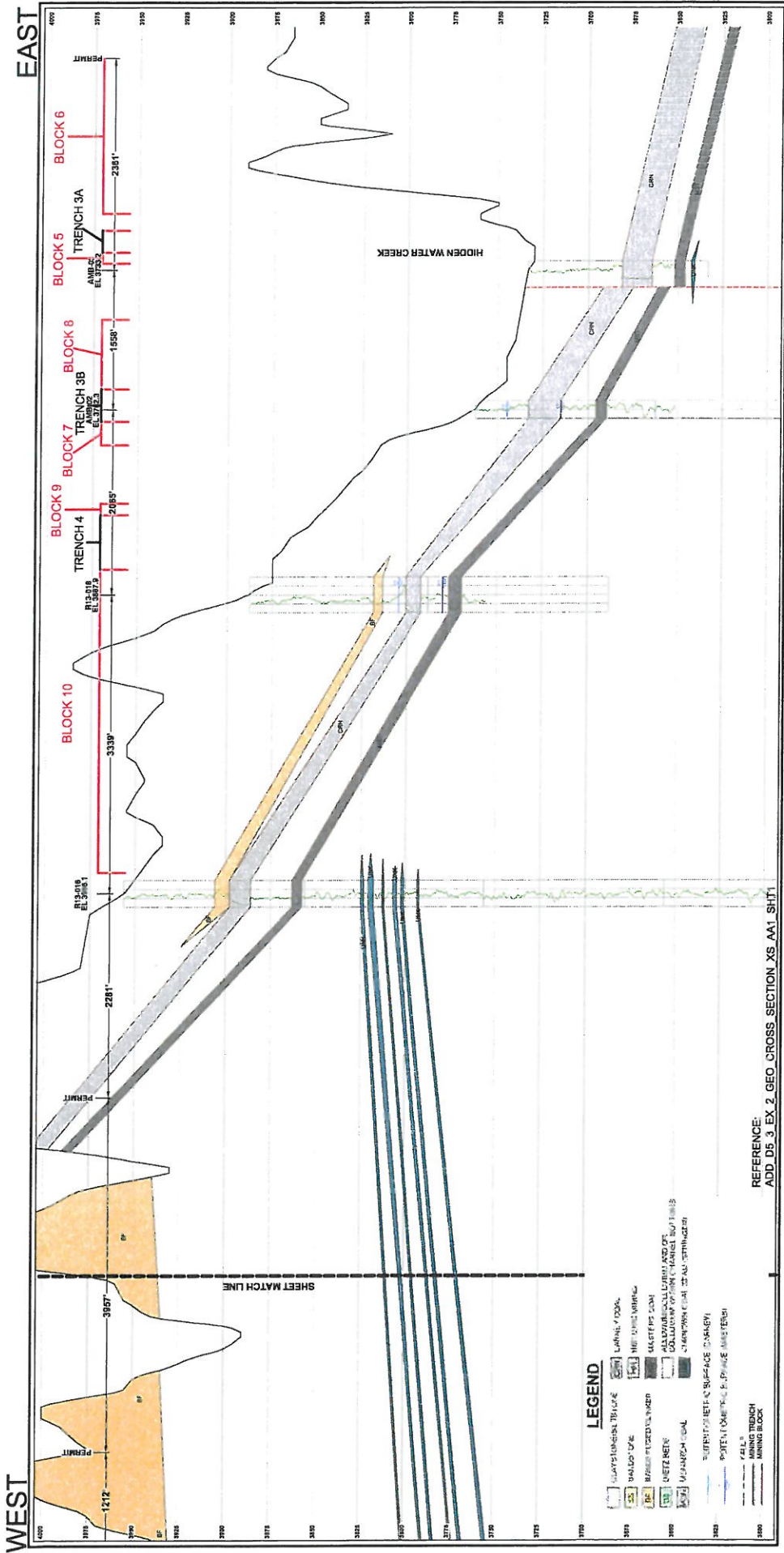


FIGURE 4.14 EAST SECTION OF CROSS-SECTION A-A' SHOWING MINING BLOCK AND TRENCH EXTENTS OF THE PROPOSED RAMACO MINE

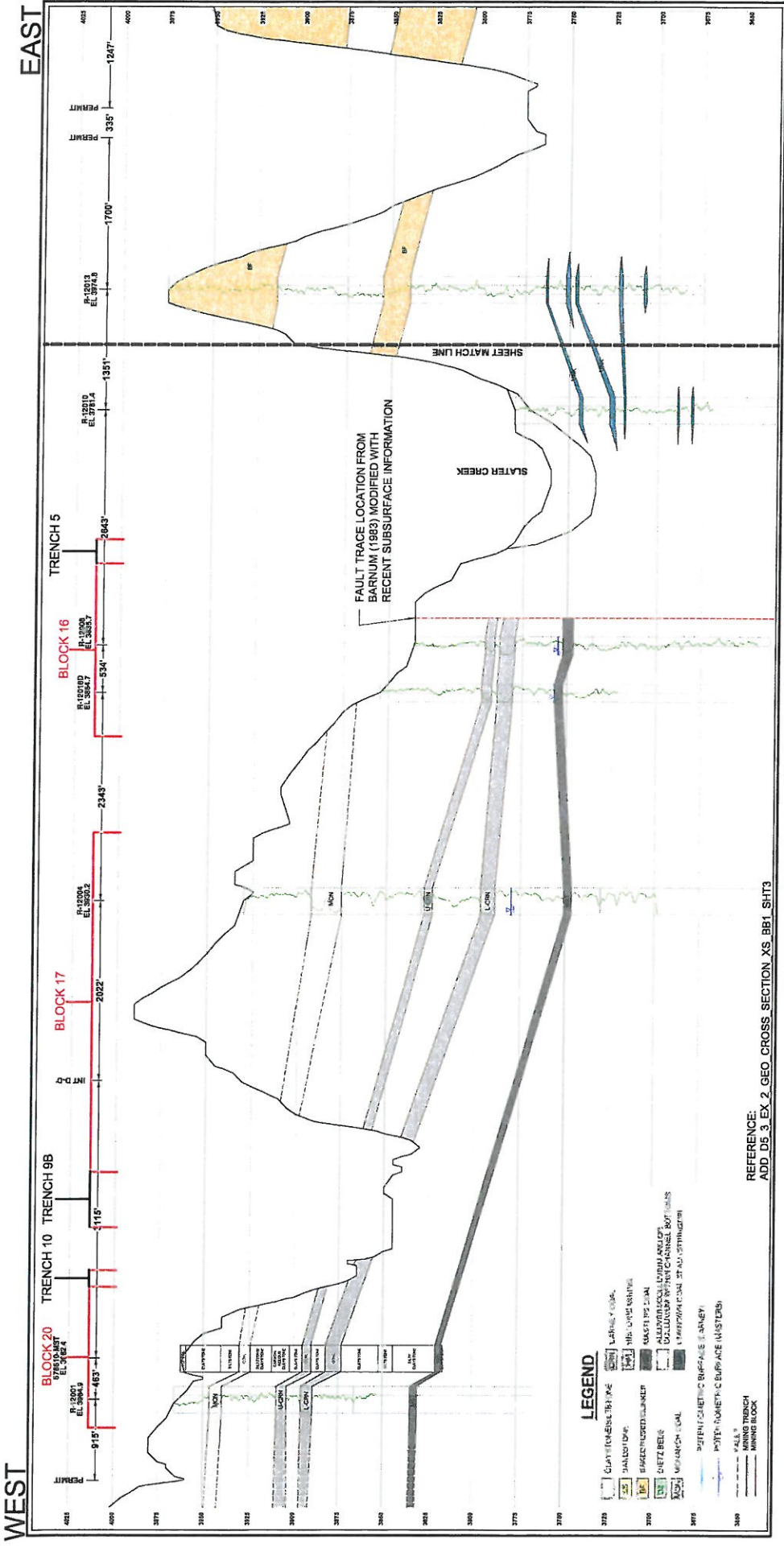


FIGURE 4.15 WEST SECTION OF CROSS-SECTION B-B' SHOWING MINING BLOCK AND TRENCH EXTENTS OF THE PROPOSED BROOK MINE

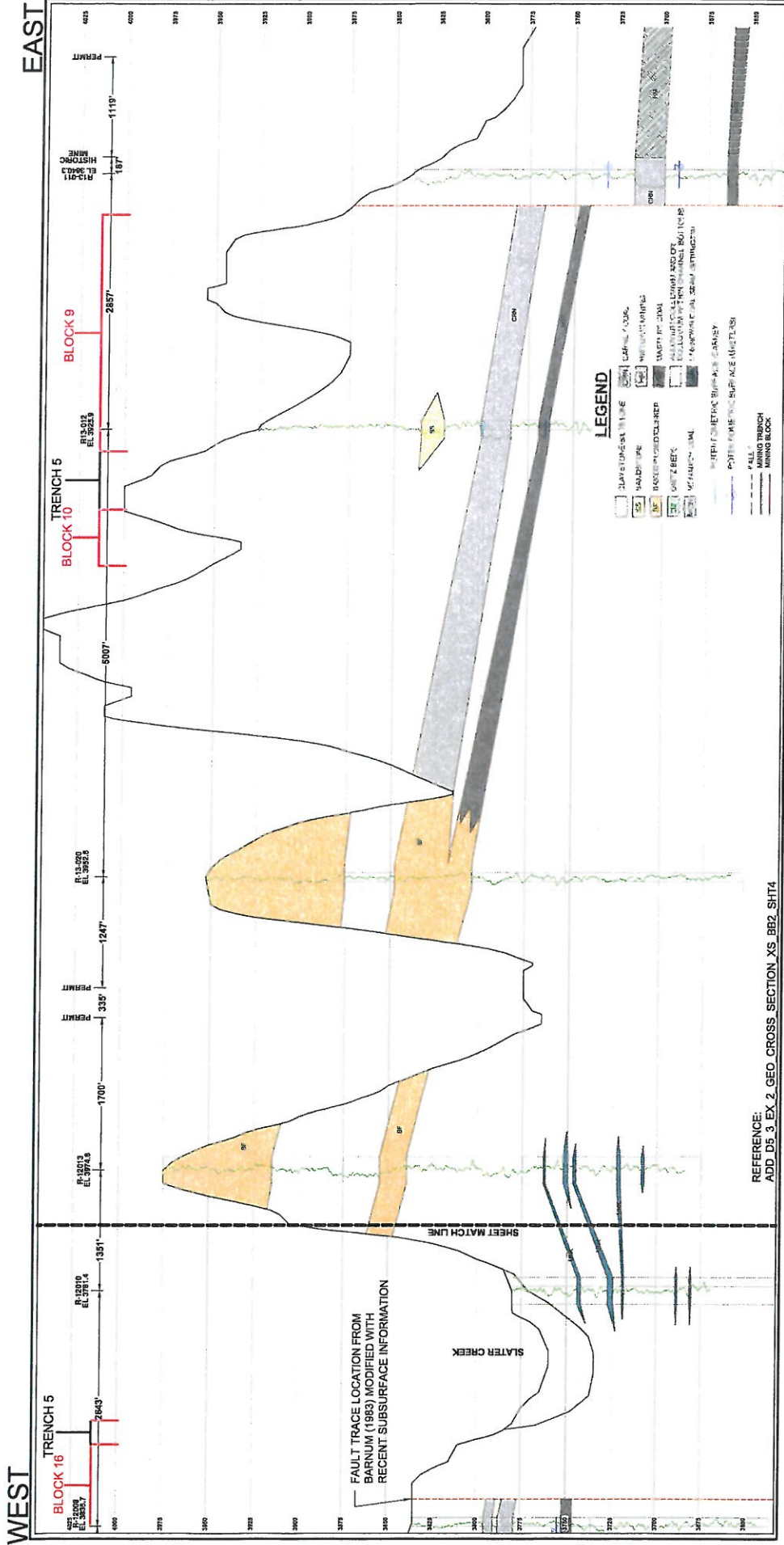


FIGURE 4.16 EAST SECTION OF CROSS-SECTION B-B' SHOWING MINING BLOCK AND TRENCH EXTENTS OF THE PROPOSED BROOK MINE