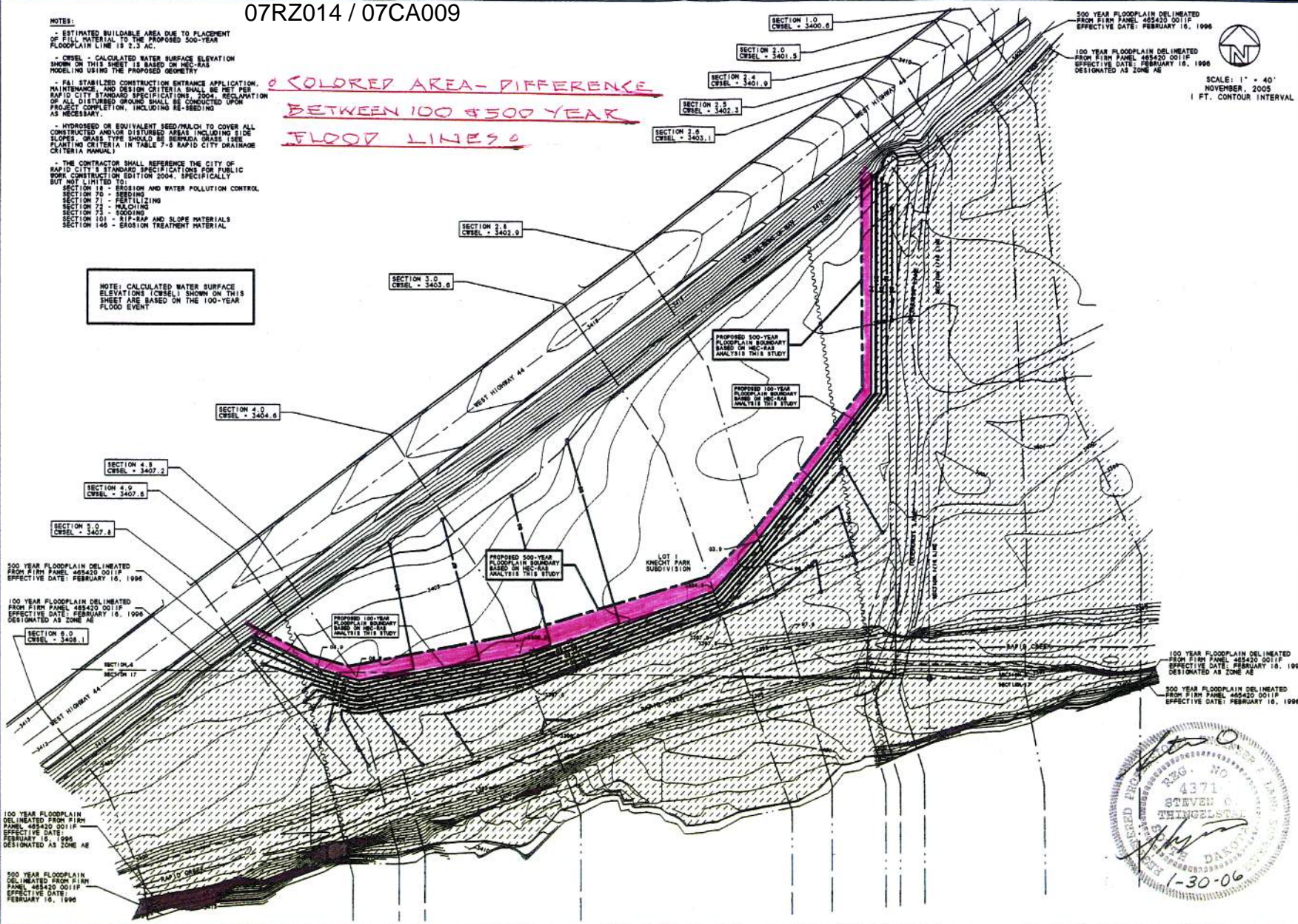


NOTES:
 - ESTIMATED BUILDABLE AREA DUE TO PLACEMENT OF FILL MATERIAL TO THE PROPOSED 300-YEAR FLOODPLAIN LINE IS 2.3 AC.
 - CWSL - CALCULATED WATER SURFACE ELEVATION SHOWN ON THIS SHEET IS BASED ON MEC-AS MODELING USING THE PROPOSED GEOMETRY.
 - FILL STABILIZED CONSTRUCTION ENTRANCE APPLICATION, MAINTENANCE, AND DESIGN CRITERIA SHALL BE MET PER RAPID CITY STANDARD SPECIFICATIONS BOOK, RECLAMATION OF ALL DISTURBED GROUND SHALL BE CONDUCTED UPON PROJECT COMPLETION, INCLUDING RE-SEEDING UPON AS NECESSARY.
 - HYDROSEED OR EQUIVALENT SEED/MULCH TO COVER ALL CONSTRUCTED AND/OR DISTURBED AREAS INCLUDING SIDE SLOPES, GRASS TYPE SHOULD BE BERKMUDA GRASS (SEE PLANTING CRITERIA IN TABLE 7-5 RAPID CITY DRAINAGE CRITERIA MANUAL).
 - THE CONTRACTOR SHALL REFERENCE THE CITY OF RAPID CITY'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION EDITION 2004, SPECIFICALLY BUT NOT LIMITED TO:
 SECTION 18 - EROSION AND WATER POLLUTION CONTROL
 SECTION 70 - SEEDING
 SECTION 71 - FILLING
 SECTION 72 - MULCHING
 SECTION 73 - MOUNDING
 SECTION 101 - RIP-RAP AND SLOPE MATERIALS
 SECTION 140 - EROSION TREATMENT MATERIALS

NOTE: CALCULATED WATER SURFACE ELEVATIONS (CWSL) SHOWN ON THIS SHEET ARE BASED ON THE 100-YEAR FLOOD EVENT

2 COLORED AREA - DIFFERENCE BETWEEN 100 & 300 YEAR FLOOD LINES



500 YEAR FLOODPLAIN DELINEATED FROM FIRN PANEL 489420 0011P EFFECTIVE DATE: FEBRUARY 16, 1996
 100 YEAR FLOODPLAIN DELINEATED FROM FIRN PANEL 489420 0011P EFFECTIVE DATE: FEBRUARY 16, 1996 DESIGNATED AS ZONE AE
 SCALE: 1" = 40'
 NOVEMBER, 2005
 1 FT. CONTOUR INTERVAL



BRITTON ENGINEERING & LAND SURVEYING, INC
 11750 N. HIGHWAY 79
 RAPID CITY, PENNINGTON COUNTY
 SOUTH DAKOTA
 PH (605) 716-7998

LOT 1 KNECHT PARK SUBDIVISION
 SECTION 8 & 17, T1N, R7E, B.H.M.
 RAPID CITY, PENNINGTON COUNTY
 SOUTH DAKOTA

PROPOSED 100-YEAR FLOODPLAIN BOUNDARY
 GRADING AND EROSION CONTROL PLAN
 FLOOD STUDY - RAPID CREEK
 MR. BOR KNECHT