

NOTES:

- ESTIMATED BUILDABLE AREA DUE TO PLACEMENT OF COLL 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.
- FULL 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 SLOPE SLOPES, GRASS TYPE SHOULD BE BERKUDA 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 - FLOODING
  - SECTION 101 - RIP-RAP AND SLOPE MATERIALS
  - SECTION 140 - EROSION TREATMENT MATERIALS


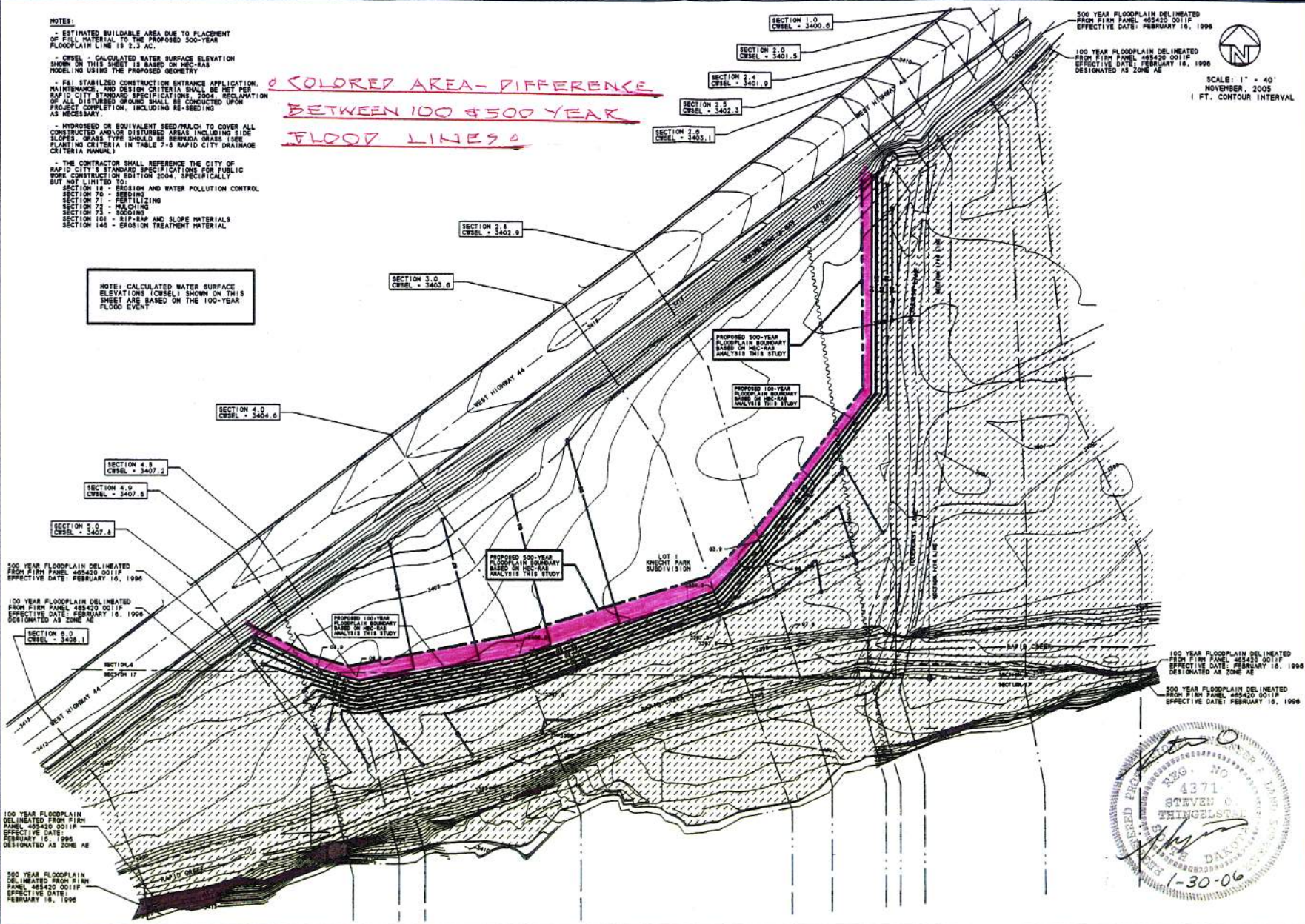
**2 COLORED AREA - DIFFERENCE BETWEEN 100 & 300 YEAR FLOOD LINES**

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

300-YEAR FLOODPLAIN DELINEATED FROM FIRN PANEL 468420 0011P EFFECTIVE DATE: FEBRUARY 16, 1996

100-YEAR FLOODPLAIN DELINEATED FROM FIRN PANEL 468420 0011P EFFECTIVE DATE: FEBRUARY 16, 1996 DESIGNATED AS ZONE AE

SCALE: 1" = 40'  
NOVEMBER, 2005  
1 FT. CONTOUR INTERVAL

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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