

NOTES:
- ESTIMATED BUILDABLE AREA DUE TO PLACEMENT OF FILL MATERIAL TO THE PROPOSED 500-YEAR FLOODPLAIN LINE IS 7.3 AC.

- CWSL - CALCULATED WATER SURFACE ELEVATION SHOWN ON THIS SHEET IS BASED ON MEC-RAS MODELING USING THE PROPOSED GEOMETRY.

- ALL STABILIZED CONSTRUCTION ENTRANCE APPLICATION, MAINTENANCE, AND DESIGN CRITERIA SHALL BE SET PER RAPID CITY STANDARD SPECIFICATIONS 2004. RECLAMATION OF ALL DISTURBED GROUND SHALL BE CONDUCTED UPON PROJECT COMPLETION, INCLUDING RE-SEEDING AS NECESSARY.

- HYDROSEED OR EQUIVALENT SEED/MULCH TO COVER ALL CONSTRUCTED AND/OR DISTURBED AREAS INCLUDING SIDE SLOPES. GRASS TYPE SHOULD BE BERBERA GRASS (SEE PLANTING CRITERIA IN TABLE 7-8 RAPID CITY DRAINAGE CRITERIA MANUAL).

- THE CONTRACTOR SHALL REFERENCE THE CITY OF RAPID CITY 2004 STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION EDITION 2004, SPECIFICALLY BUT NOT LIMITED TO:
SECTION 70 - EROSION AND WATER POLLUTION CONTROL
SECTION 71 - SEEDING
SECTION 72 - FERTILIZING
SECTION 73 - MULCHING
SECTION 75 - SODDING
SECTION 103 - RIP-RAP AND SLOPE MATERIALS
SECTION 146 - EROSION TREATMENT MATERIALS

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



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

500 YEAR FLOODPLAIN DELINEATED FROM FIRM PANEL 465420 001IF EFFECTIVE DATE: FEBRUARY 16, 1996

100 YEAR FLOODPLAIN DELINEATED FROM FIRM PANEL 465420 001IF EFFECTIVE DATE: FEBRUARY 16, 1996 DESIGNATED AS ZONE AE

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SECTION 8 & 17, T.1N., R.7E., B.H.M.
RAPID CITY, PENNINGTON COUNTY
SOUTH DAKOTA

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

