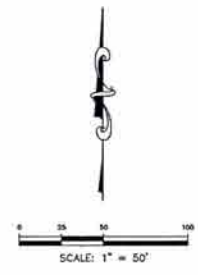


INTERPOLATED FLOOD ELEVATIONS FROM 1972 C.O.E. FLOOD REPORT

FLOODPLAIN LINES FROM FEMA MAP (100 YEAR APPROXIMATE ZONE A)



**F M G, Inc.**  
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FMG File No.: 8699.15  
 Location: SE 1/4 SECTION 21  
 T2N, R8E, B1M  
 Surveyed By: MM/TE  
 Date: MAY 2007  
 Designed By: JCF  
 Drawn By: KJS  
 Checked By: JCF

**PHASE 4  
 I-90 HEARTLAND BUSINESS PARK  
 RAPID CITY, SD**

MAY 2008

Revision / Date

Sheet Name:  
**GRADING PLAN AND EROSION CONTROL PLAN**

Sheet Number:  
**2**

Total Sheets:  
**4**

- EROSION CONTROL NOTES:**
- SEE SWPPP FOR ADDITIONAL REQUIREMENTS.
  - TEMPORARY EROSION CONTROL SHOWN HEREON IS THE MINIMUM REQUIRED. ADDITIONAL TEMPORARY EROSION CONTROL MEASURES MAY BE NECESSARY AS REQUIRED BY FIELD OPERATIONS AND CONDITIONS.
  - PRIOR TO BEGINNING GRADING THE CONTRACTOR SHALL OBTAIN AN AIR QUALITY CONSTRUCTION PERMIT.
  - THIS EROSION CONTROL PLAN IS NOT SUITABLE FOR INDIVIDUAL LOT DEVELOPMENT. PREPARATION OF AN EROSION CONTROL PLAN FOR EACH LOT WILL BE PREPARED WHEN ACTUAL LOT DEVELOPMENT IS PROPOSED.

- GRADING NOTES**
- THE GRADING PLAN PROVIDES FOR GENERAL GRADING AND BASIC STORM WATER DRAINAGE PATTERNS. THE SUBSIDER, LAND DEVELOPMENT CONTRACTOR, OR BUILDER SHALL PROVIDE FOR DETAILED GRADING AND ADEQUATE STORM WATER DRAINAGE AWAY FROM AND AROUND THE IMPROVEMENTS OR CONSTRUCTION ON EACH LOT OR PARCEL OF GROUND.
  - DESIGN FOR DETAILED SITE GRADING FOR EACH LOT WILL BE PREPARED WHEN ACTUAL LOT DEVELOPMENT IS PROPOSED.

**EROSION & SEDIMENT CONTROL LEGEND**

- (IP) INLET PROTECTION, CITY OF RAPID CITY DETAILS 146.19, 146.20, 146.21, 146.22, 146.23, OR 146.24 DEPENDING ON TYPE OF INLET AND STAGE OF CONSTRUCTION
  - (VIC) VEHICLE TRACKING CONTROL, CITY OF RAPID CITY DETAIL 146.5. USE AT ALL LOCATIONS OF VEHICULAR INGRESS AND EGRESS TO CONSTRUCTION SITE.
  - (SF) SILT FENCE, CITY OF RAPID CITY DETAIL 146.12.
  - (SR) SURFACE ROUGHENING, ALL DISTURBED SURFACES TO BE ROUGHENED, CITY OF RAPID CITY DETAIL 146.4.
  - (CWA) CONCRETE WASHOUT AREA, LOCATION TO BE DETERMINED BY THE CONTRACTOR.
  - (PP) PERIMETER PROTECTION, USE SILT FENCE OR COMPOST SOCK.
  - (DD) TEMPORARY DIVERSION DIKE, CITY OF RAPID CITY DETAIL 146.7. AT CONTRACTOR'S OPTION A SILT DITCH PER DETAIL 146.25 MAY BE USED.
  - (TSD) TEMPORARY SLOPE DRAIN, CITY OF RAPID CITY DETAIL 149.9 & 146.10 UNLESS PERMANENT STORM SEWER IS INSTALLED AS PART OF SLOPE GRADING.
  - (PSN) POST SIGN IN ACCORDANCE WITH REQUIREMENTS OF CITY OF RAPID CITY STORMWATER QUALITY MANUAL, CHAPTER 1, PARAGRAPH 13.5.3. THE CITY OF RAPID CITY CONTACT PHONE NUMBER TO BE USED ON THE SIGN IS 605-394-4154.
- NOTE: CITY OF RAPID CITY STANDARD DETAILS FOR EROSION CONTROL ITEMS ARE AVAILABLE ON THE CITY OF RAPID CITY STORMWATER WEB PAGE.

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