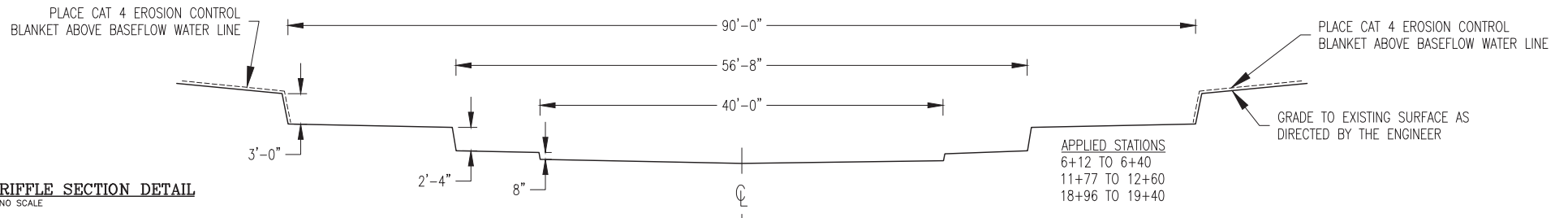
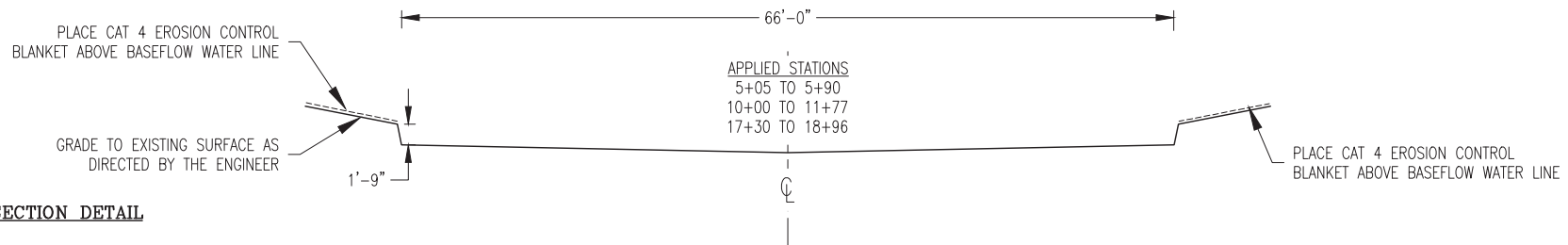


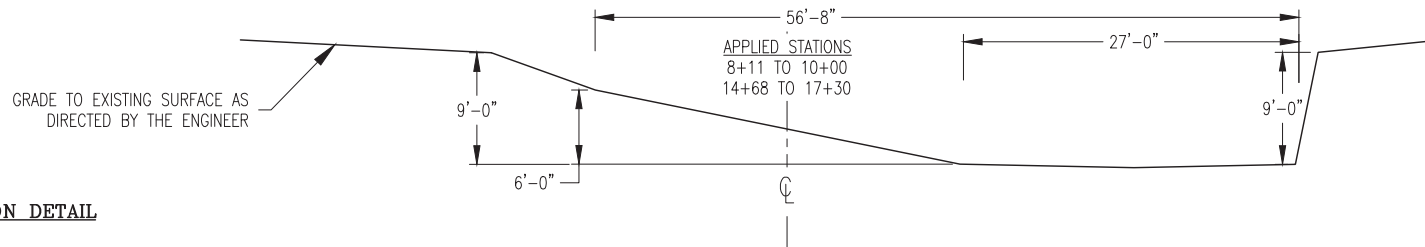
A RUN SECTION DETAIL
 NO SCALE



B RIFFLE SECTION DETAIL
 NO SCALE



C GLIDE SECTION DETAIL
 NO SCALE



D POOL SECTION DETAIL
 NO SCALE

Figure 10: Typical Dimensions for Channel Sections (Run, Riffle, Glide, and Pool)



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

Name: Steve Kummer
 Lic Number: 44296 Date: 1.28.2015

Operations Services Division
 Safety
Facilities
 Materials
 Equipment
 Field Operations
 Information Management

DNR Division of Eco/Waters
 Relocation of Whitewater River
 Whitewater State Park

Winona County Section: 20 Near Elba Range: 10 W
 Township: 107 N

Revisions
 Date By

Typical Sections

Survey: XX XX/XX Designed: K.Zylkovicz 3/14
 Drawn: XX XX/XX Drawn: C.Rice 3/14
 Checked: XX XX/XX Checked: S.Kummer 3/14
 Horiz datum: NAD 83 (96 ADJ) Vert datum: NAVD 88

Sheet: 7
 Req Number: 8E013
 File Number: SPK.00280.00.20.11