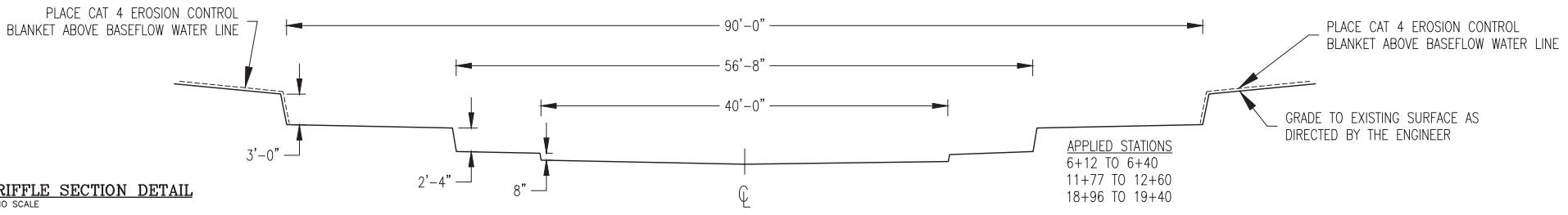
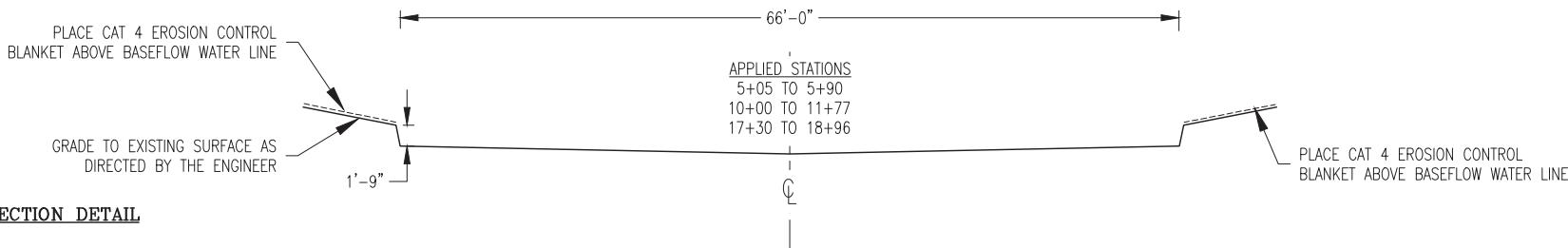


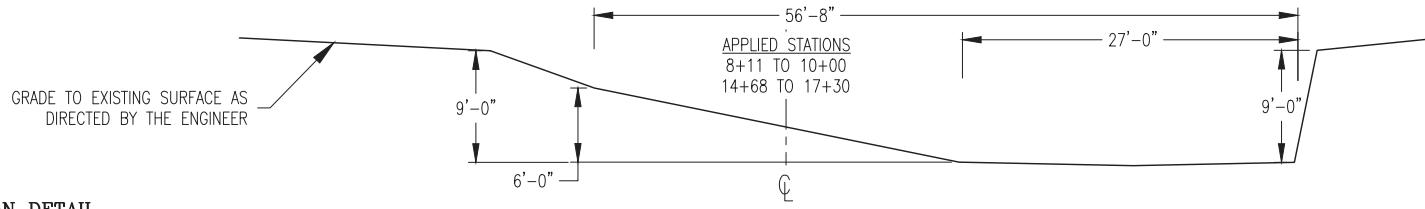
(A) RUN SECTION DETAIL
7 NO SCALE



(B) RIFFLE SECTION DETAIL
7 NO SCALE



(C) GLIDE SECTION DETAIL
7 NO SCALE



(D) POOL SECTION DETAIL
7 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
Township: 107 N
Range: 10 W

Revisions
Date: _____
By: _____

Typical Sections
Survey: XX XXXX Designed: K.Zylkovicz 3/14
Drawn: XX XXXX Drawn: C.Rico 3/14
Checked: XX XXXX Checked: S.Kummer 3/14
Horz datum: NAD 83 (96 ADJ) Vert datum: NAVD 88

Sheet: 7

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