5/14/99

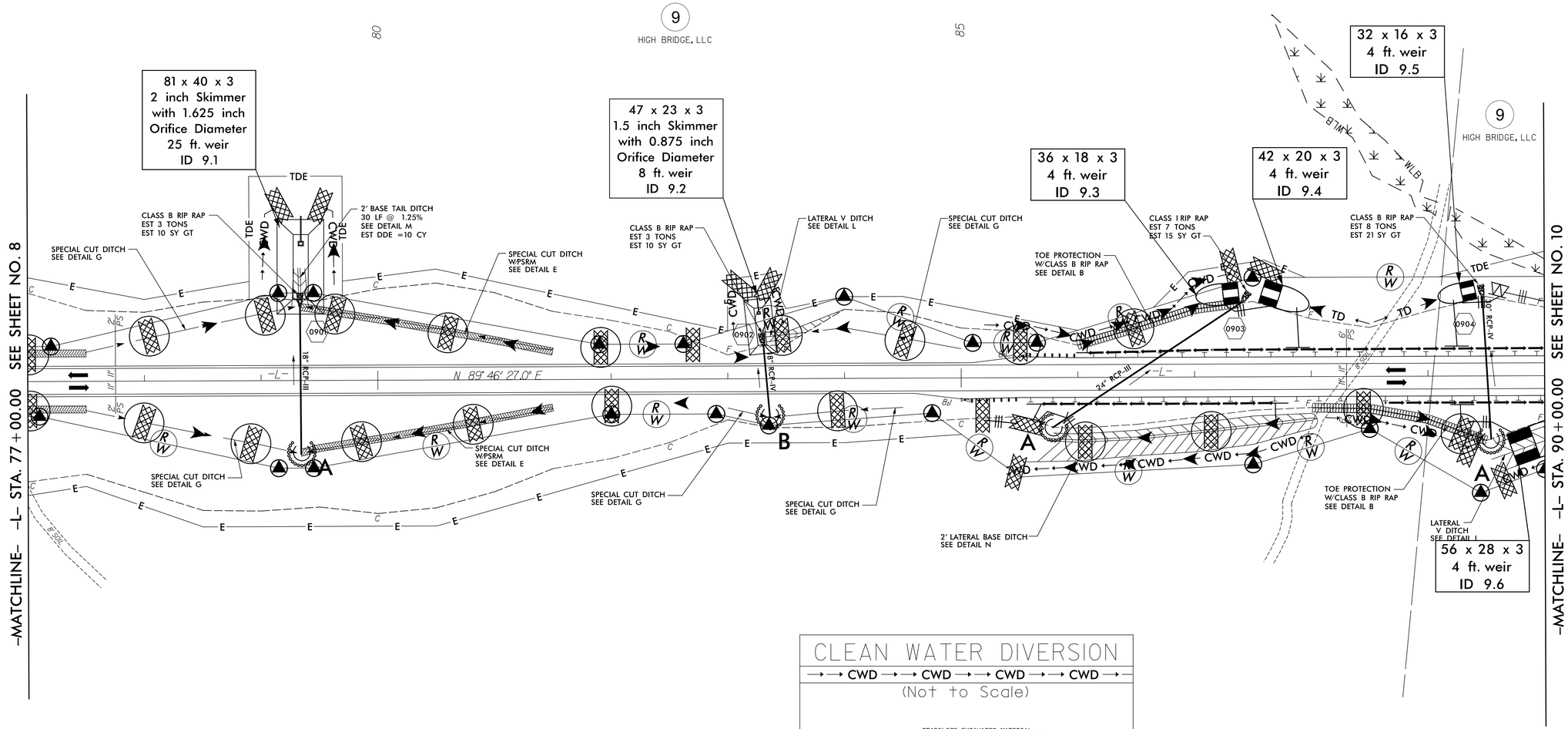
NAD 83/NSRS 2007

ICA Engineering
5121 Kingdom Way, Suite 100
Raleigh, NC 27607
NC License No: F-0258

PROJECT REFERENCE NO.	SHEET NO.
W-5516	EC-22/CONST.9
R/W SHEET NO.	

ROADSIDE ENVIRONMENTAL PROJECT ENGINEER

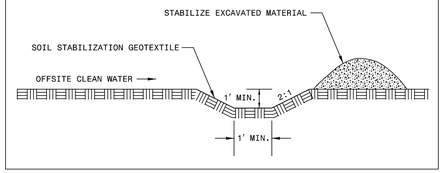
LEVEL III CERTIFIED BY:
STACEY H. BAILEY, PE
CERTIFICATION NUMBER: 3074
ISSUED: SEPTEMBER 15, 2014



CLEAN WATER DIVERSION

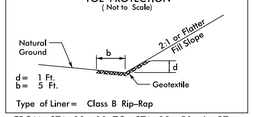
CWD → CWD → CWD → CWD →

(Not to Scale)



9
HIGH BRIDGE, LLC

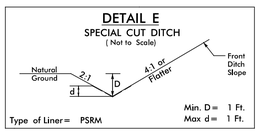
DETAIL B
TOE PROTECTION
(Not to Scale)



d= 1 Ft.
b= 5 Ft.
Type of Liner= Class B Rip–Rap

FROM STA. 88+00 TO STA. 89+50 –L– RT
FROM STA. 86+00 TO STA. 87+40 –L– LT

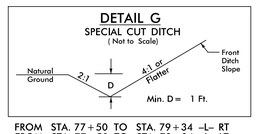
DETAIL E
SPECIAL CUT DITCH
(Not to Scale)



Min. D= 1 Ft.
Max d= 1 Ft.
Type of Liner= PSRM

FROM STA. 79+34 TO STA. 81+50 –L– LT
FROM STA. 79+34 TO STA. 81+50 –L– RT

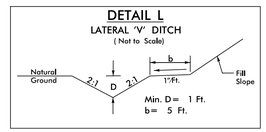
DETAIL G
SPECIAL CUT DITCH
(Not to Scale)



Min. D= 1 Ft.

FROM STA. 77+50 TO STA. 79+34 –L– RT
FROM STA. 77+50 TO STA. 79+34 –L– LT
FROM STA. 83+00 TO STA. 83+36 –L– RT
FROM STA. 83+36 TO STA. 84+50 –L– RT
FROM STA. 84+00 TO STA. 85+00 –L– LT

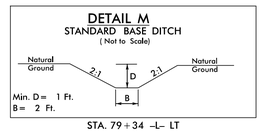
DETAIL L
LATERAL 'V' DITCH
(Not to Scale)



Min. D= 1 Ft.
b= 5 Ft.

FROM STA. 83+30 TO STA. 84+00 –L– LT
FROM STA. 89+54 TO STA. 90+00 –L– RT

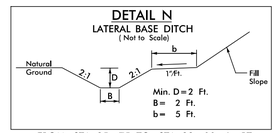
DETAIL M
STANDARD BASE DITCH
(Not to Scale)



Min. D= 1 Ft.
B= 2 Ft.

STA. 79+34 –L– LT

DETAIL N
LATERAL BASE DITCH
(Not to Scale)



Min. D= 2 Ft.
B= 2 Ft.
b= 5 Ft.

FROM STA. 85+75 TO STA. 88+00 –L– RT

NOTE:
CONTRACTOR SHALL PROVIDE GROUND COVER ON EXPOSED SLOPES WITHIN 14 CALENDAR DAYS, AFTER ANY PHASE OF GRADING.

NOTE:
CONTRACTOR SHALL PROVIDE INLET PROTECTION FOR PARTIALLY INSTALLED STORM DRAINS. THIS MEASURE SHOULD BE INSTALLED AT THE END OF EACH WORKING DAY.

NOTE:
CONTRACTOR SHALL MAINTAIN ALL DEVICES AS PROJECT IS BROUGHT UP TO GRADE.

NOTE:
ALL EROSION CONTROL DEVICES SHOWN ARE LOCATED WITHIN R/W OR EASEMENT.

NOTE:
INSTALL MATTING FOR EROSION CONTROL IN ALL PROPOSED DITCH LINES EXCEPT WHERE PERMANENT LINERS ARE SPECIFIED ON THE PLANS OR DIRECTED OTHERWISE BY THE ENGINEER.

NOTE:
PLACE MATTING ON ALL CUT AND FILL SLOPES THAT ARE GREATER THAN 3:1.

FINAL EROSION CONTROL
FOR CONSTRUCTION SHEET 9

9/07/2004
C:\Projects\Erosion\Cadd\w5516_hyd_erosion_final_psh_09.dgn
ICA ENGINEERING INC