



RIP-RAP LINED DITCH

SHEET 1 OF 1 MODFLMDTCH

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SEE PLATE FOR TITLE

ORIGINAL BY: E.E. Ward DATE: Apr. 2002

MODIFIED BY: E.E. Ward DATE: July 2004

CHECKED BY: Widetails\stand\modifiedflume.dgn

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C. MODIF **ENGLISH** CONCRE DETAIL CONCR **FLOW** RAWING RETE FI FOR
DITCH NOTES:

OUTLET -WATER FLOW WATER \_\_\_\_\_ FLOW DIVERSION

DOWNGRADE OR SAG

VARIABLE LENGTH

SEE PLANS FOR PLACEMENT

OR BEGINNING

WATER FLOW

FLOW DIVERSION EXAMPLES

<u>SAG</u>

CONSTRUCT MODIFIED CONCRETE FLUME AND SHOULDER BERM GUTTER IN ACCORDANCE WITH THIS DETAIL.
CONSTRUCT CONCRETE DITCH IN ACCORDANCE WITH STD. DWG. NO. 850.01.
CONSTRUCT RIP RAP LINED DITCH IN ACCORDANCE WITH THIS DETAIL, IF CALLED FOR IN PLANS.
CONCRETE OR RIP RAP LINED DITCH SHALL BE THE TYPE AND LENGTH SPECIFIED BY THE ROADWAY PLANS. THE DITCH SHALL TERMINATE AS SHOWN ON THE PLANS. IF NO TERMINATION IS INDICATED PLACE RIP-RAP AT THE END OF THE DITCH AS INDICATED BY OTHER PLANS.

BY STD. DWG. 876.02 FOR AN 18" PIPE. TRANSITIONS FROM THE DITCH TO TERMINATION SHALL BE AS DIRECTED BY THE ENGINEER. - MODIFICATIONS SHALL BE AS DICTATED BY SITE CONDITIONS AND DIRECTED BY THE ENGINEER.

CONCRETE OR RIP-RAP DITCH SEE ROADWAY PLANS

BEGIN MODIFIED CONCRETE FLUME

EDGE OF LANE

SHOULDER BERM GUTTER
OPTIONAL SEE RDY. PLANS

(4) 12" #6 DOWEL BARS

2'-4" MIN.

4" CONC.

FLOW DIVERSION

PAVED DITCH

OUTLET 3"
DEPRESSION

PAVED SHOULDER \_\_\_\_

15'-0"

MODIFIED CONCRETE FLUME PAY LIMITS - PER EACH

PLAN VIEW

SHOULDER BERM GUTTER OPTIONAL SEE RDY. PLANS

4'-0"

SECTION C-C

OUTLET

OUTLET

**DOWN GRADE** 

2'-0"

TRANSITION CURB DOWN AS DIRECTED BY THE ENGINEER

END MODIFIED CONCRETE FLUME

BRIDGE
APPROACH SLAB

WATER

FLOW DIVERSION

**FLOW** 

-8" X 4" LIP CURB

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