

CONCRETE OR RIP-RAP DITCH SEE ROADWAY PLANS STATE NORTH CA NORTH CA NORTH CA OF TRAN /ISION OF RALEIGH TRANSITION CURB DOWN AS DIRECTED BY THE ENGINEER (4) 12" #6 DOWEL BARS END MODIFIED CONCRETE FLUME -8" X 4" LIP CURB BEGIN MODIFIED CONCRETE FLUME 3" DEPRESSION MIN. <u>OUTLET</u> PAVED SHOULDER EDGE OF LANE 15'-0" BRIDGE APPROACH SLAB SHOULDER BERM GUTTER
OPTIONAL SEE RDY. PLANS MODIFIED CONCRETE FLUME PAY LIMITS - PER EACH SHOULDER BERM GUTTER
OPTIONAL SEE RDY. PLANS PLAN VIEW ENGI

4" CONC.

PAVED DITCH

4'-0"

SECTION C-C

OUTLET

**DOWN GRADE** 

OUTLET

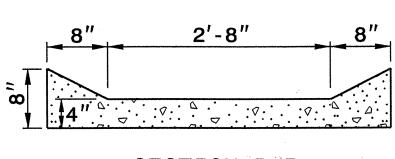
2'-0"

FLOW DIVERSION

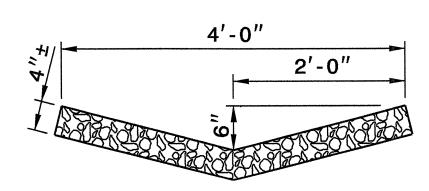
TION STATE NORTH CA OF T'

DITCH LUME FOR ETAIL DRAWING
CONCRETE FL
TE OR RIP-RAP

**SECTION A-A** 



SECTION B-B



RIP-RAP LINED DITCH

SHEET 1 OF 1 **MODFL MDTCH** 

MODIFIED (WITH CONCRETE

ONC IP. П NG -UME

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MODIFIED (

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RAP

FOR

NOTES:

WATER \_\_\_

**FLOW** 

- CONSTRUCT MODIFIED CONCRETE FLUME AND SHOULDER BERM GUTTER IN ACCORDANCE WITH THIS DETAIL. - CONSTRUCT CONCRETE DITCH IN ACCORDANCE WITH STD. DWG. NO. 850.01.

FLOW DIVERSION EXAMPLES

VARIABLE LENGTH

SEE PLANS

**DOWNGRADE OR SAG** 

OUTLET

**(A)** 

FLOW DIVERSION-

<u>SAG</u>

SEE PLANS FOR PLACEMENT

OR BEGINNING

WATER.

**FLOW** 

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

FLOW DIVERSION

WATER FLOW

- MODIFICATIONS SHALL BE AS DICTATED BY SITE CONDITIONS AND DIRECTED BY THE ENGINEER.

**WATER** 

**FLOW** 

DESIGN SERVICES UNIT STANDARDS AND SPECIAL DESIGN Office 919-250-4128 FAX 919-250-4119

SEE PLATE FOR TITLE

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SHEET 1 OF 1 MODFLMDTCH