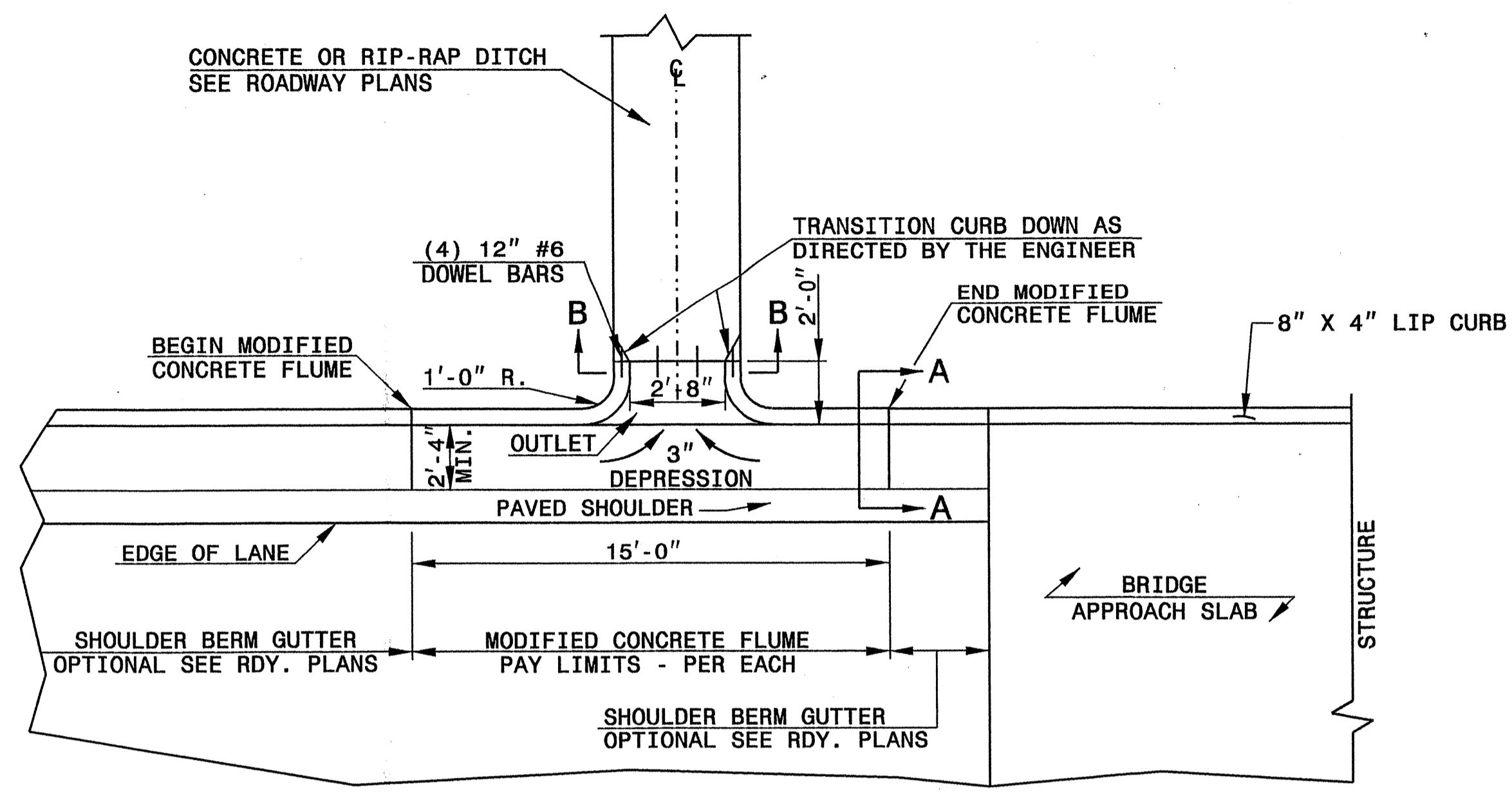5.14.99

STATE OF
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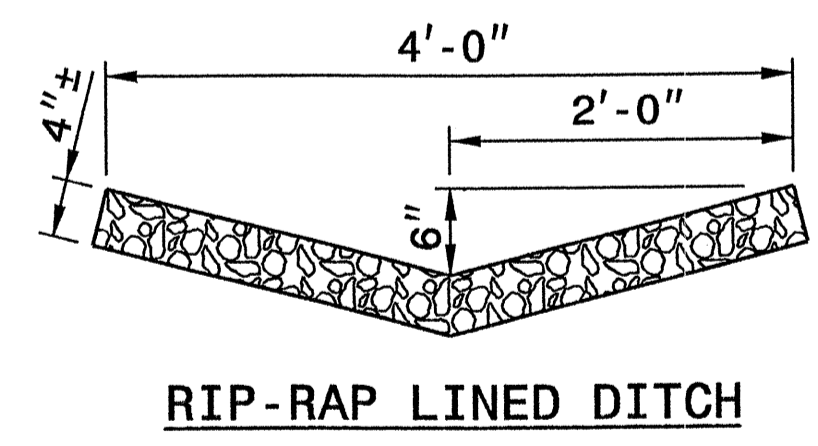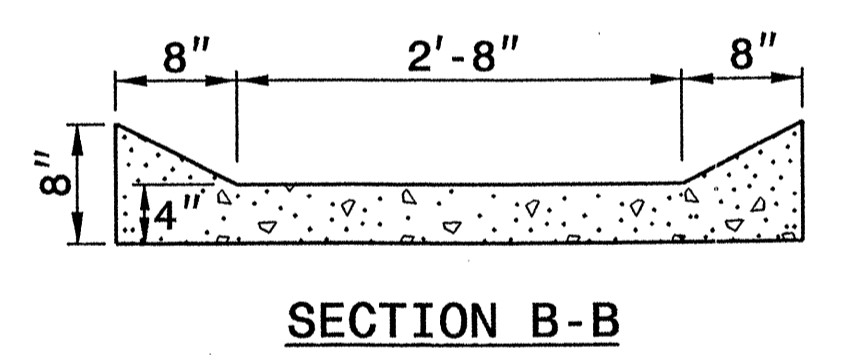RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
MODIFIED CONCRETE FLUME
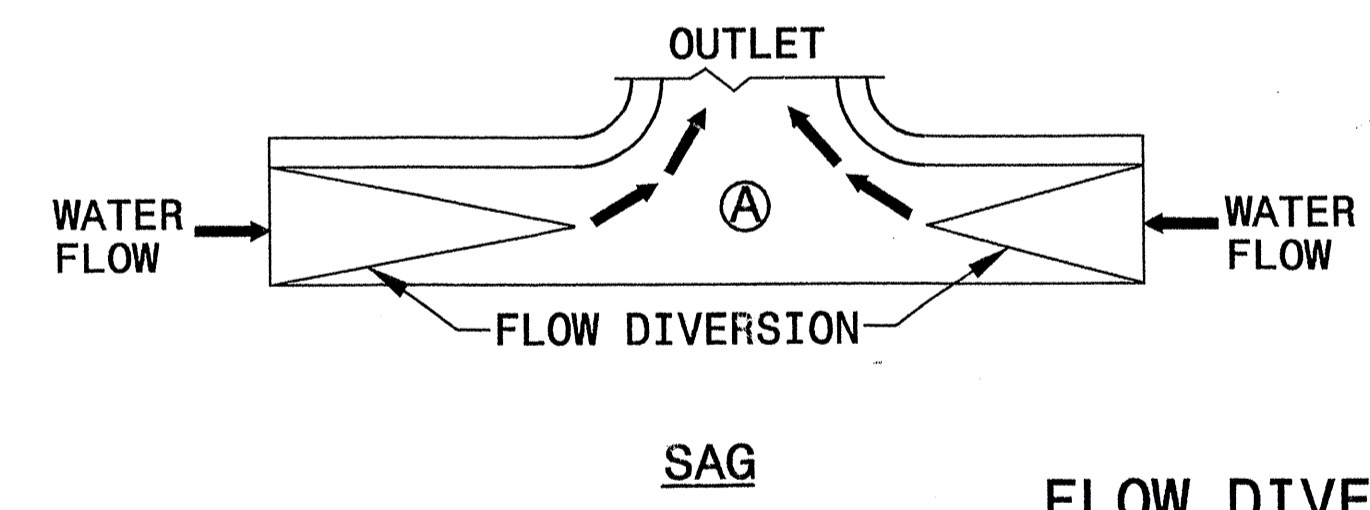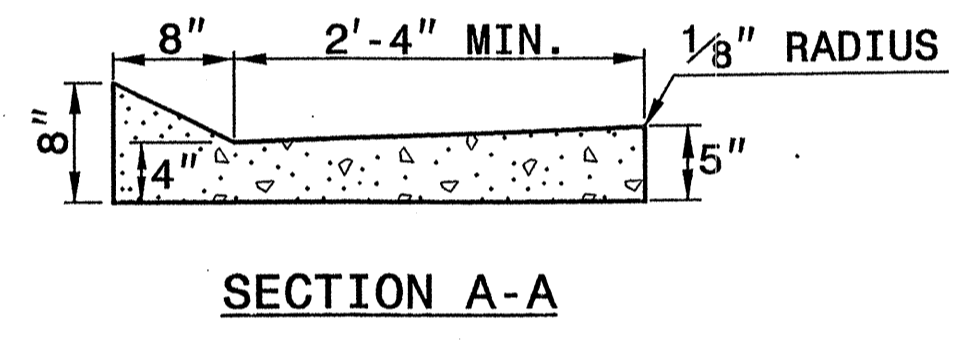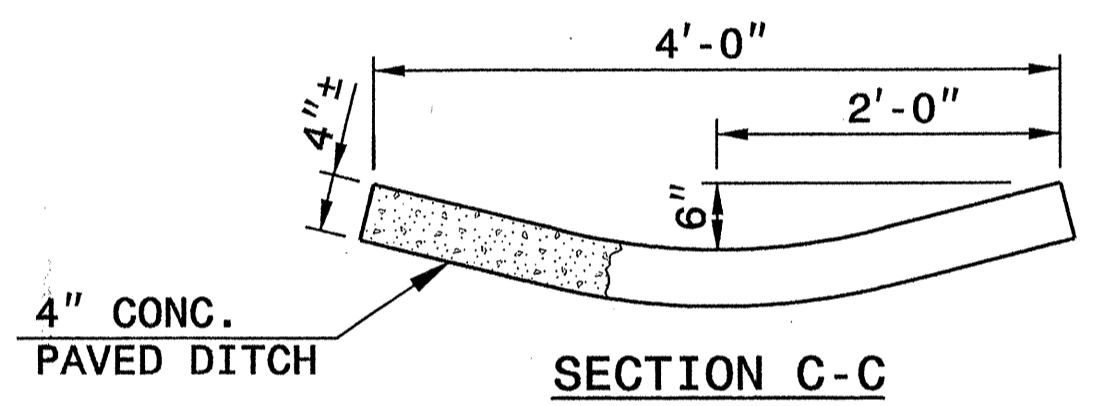WITH CONCRETE OR RIP-RAP DITCH

SHEET 1 OF 1

MODFLMDTCH

PLAN VIEW

CONCRETE OR RIP-RAP DITCH
SEE ROADWAY PLANS

(4) 12" #6 DOWEL BARS

TRANSITION CURB DOWN AS DIRECTED BY THE ENGINEER

END MODIFIED CONCRETE FLUME

8" X 4" LIP CURB

BEGIN MODIFIED CONCRETE FLUME

1'-0" R.

2'-8"

2'-0"

B   B

A

2'-4" MIN.

OUTLET

3" DEPRESSION

PAVED SHOULDER

A

EDGE OF LANE

15'-0"

BRIDGE APPROACH SLAB

STRUCTURE

SHOULDER BERM GUTTER OPTIONAL SEE RDY. PLANS

MODIFIED CONCRETE FLUME PAY LIMITS - PER EACH

SHOULDER BERM GUTTER OPTIONAL SEE RDY. PLANS

DOWNGRADE OR SAG

VARIABLE LENGTH SEE PLANS

SEE PLANS FOR PLACEMENT OR BEGINNING

WATER FLOW

C

C

SECTION C-C

4'-0"

2'-0"

4"±

6"

4" CONC. PAVED DITCH

FLOW DIVERSION EXAMPLES

SAG

OUTLET

WATER FLOW   Ⓐ   WATER FLOW

FLOW DIVERSION

OUTLET

FLOW DIVERSION   Ⓒ   WATER FLOW

OUTLET

WATER FLOW   Ⓑ   FLOW DIVERSION

DOWN GRADE

SECTION A-A

8"   2'-4" MIN.   1/8" RADIUS

8"

4"   5"

SECTION B-B

8"   2'-8"   8"

8"

4"

RIP-RAP LINED DITCH

4'-0"

2'-0"

4"±

6"

NOTES:

- 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 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.
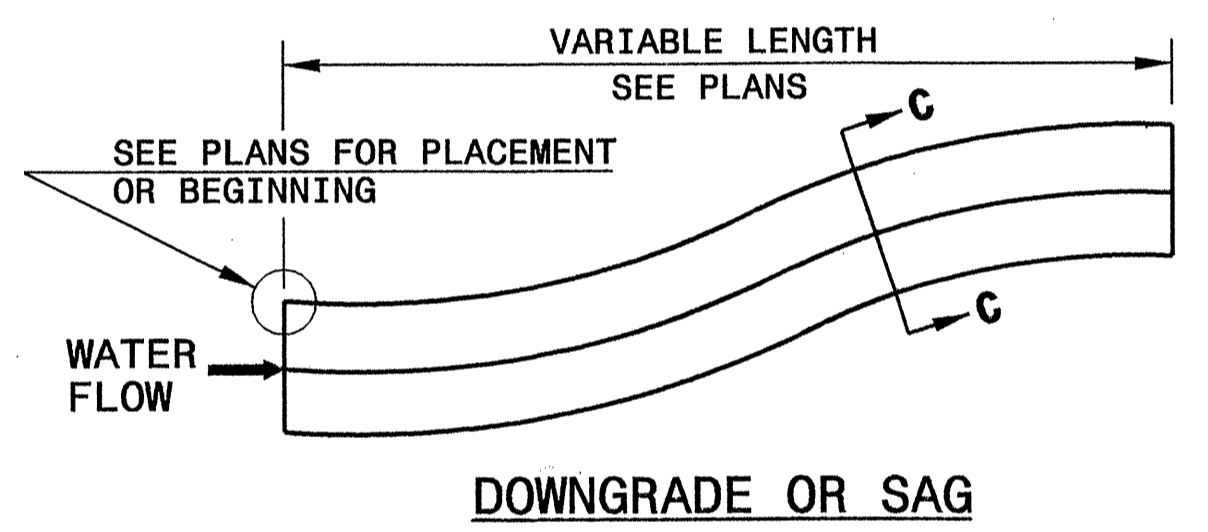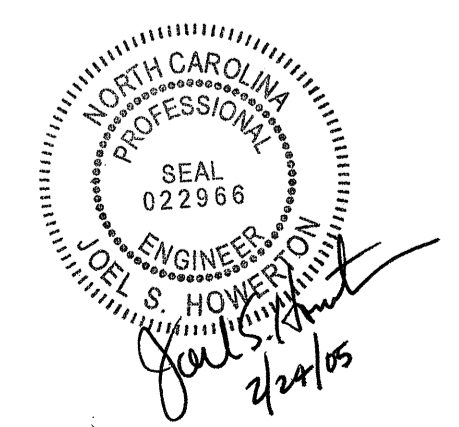
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ENGLISH DETAIL DRAWING FOR
MODIFIED CONCRETE FLUME
WITH CONCRETE OR RIP-RAP DITCH

SHEET 1 OF 1

MODFLMDTCH

NORTH CAROLINA
PROFESSIONAL
SEAL
022966
ENGINEER
JOEL S. HOWERTON

30-JUL-2004 12:14
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