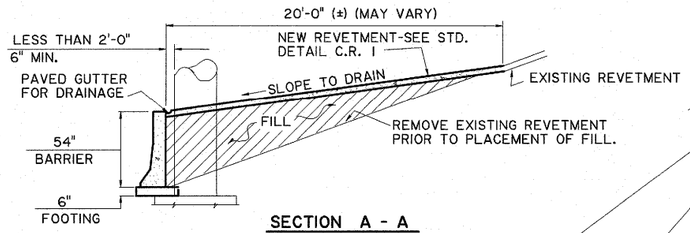
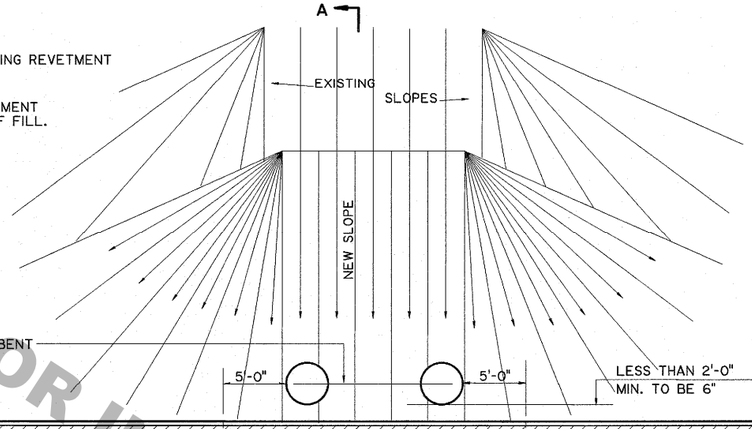
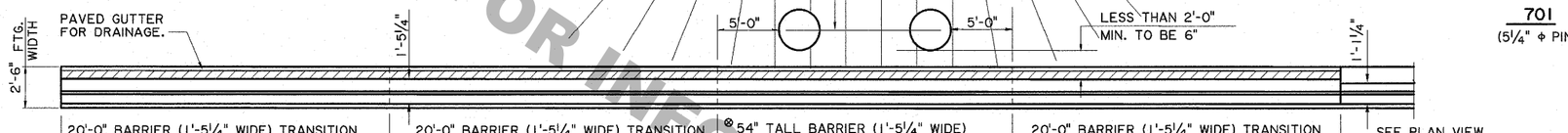
27-JAN-2009 15:08

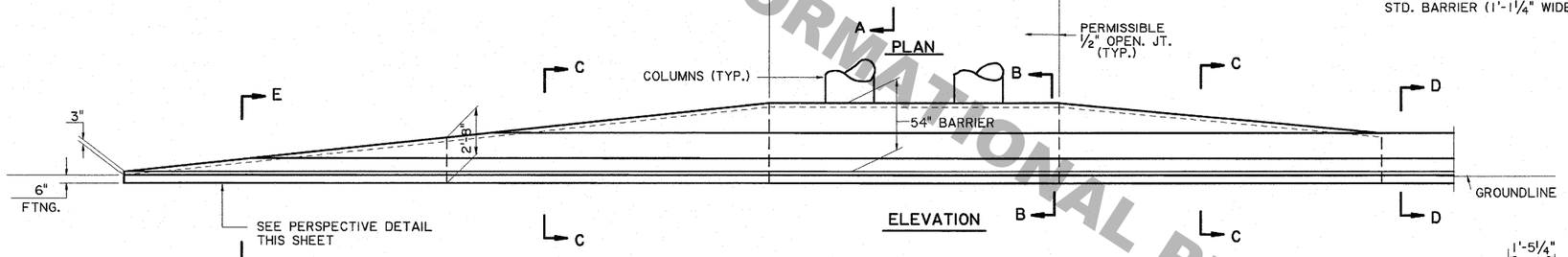


SECTION A - A

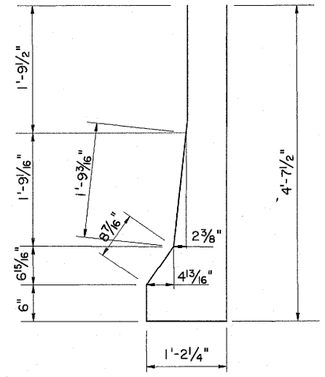




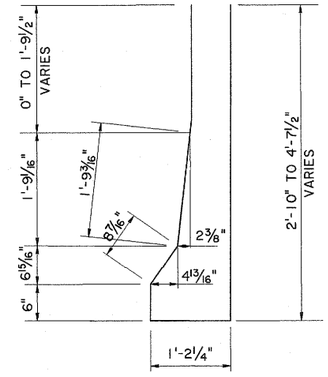
PLAN



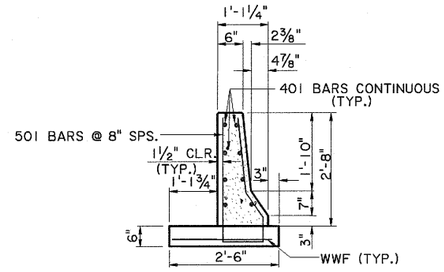
ELEVATION



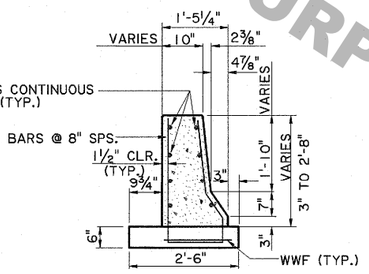
701
(5¼" ϕ PIN)



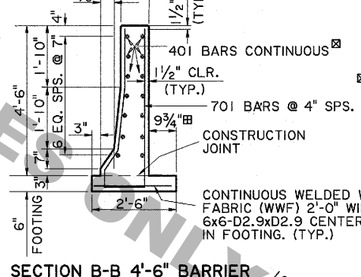
⊕ 702
(5¼" ϕ PIN)



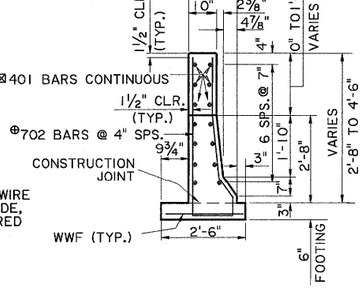
⊙ SECTION D-D @ 2'-8" STANDARD BARRIER



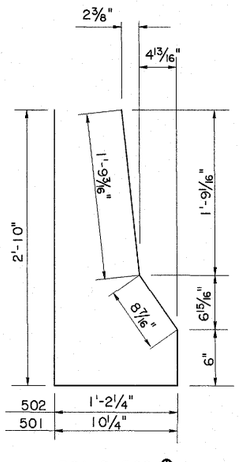
SECTION E-E @ TRANSITION
(2'-8" TO 0'-3")



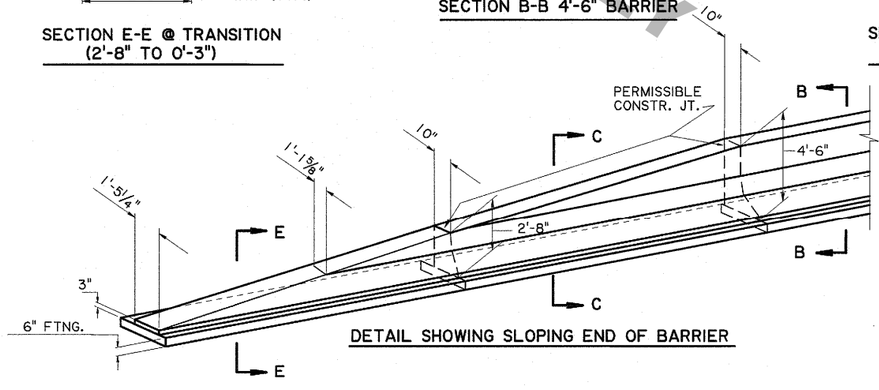
SECTION B-B 4'-6" BARRIER



SECTION C-C @ TRANSITION BARRIER
(2'-8" TO 4'-6")



501 & 502 ⊕
(2½" ϕ PIN)
(502 BAR DIMENSIONS VARY)



DETAIL SHOWING SLOPING END OF BARRIER

NOTES

EXISTING SLOPE SHOWN IS FOR ILLUSTRATION ONLY. (SLOPES VARY AT EACH LOCATION)

⊗ LENGTH OF 54" TALL BARRIER TO BE DETERMINED BY THE LENGTH OF THE OBJECT TO BE PROTECTED.

½" OPEN JOINTS TO BE AT 20'-0" MAX. CTRS.

TRAILING END SHOWN IS FOR USE WITH THE FILL SECTIONS.

FOR TRAILING END ON CUT SECTIONS SEE SHEET 5 OF 8.

SEE SHEET 5 OF 8 FOR OTHER PIER PROTECTION SYSTEM NOTES.

REINFORCING STEEL BAR DETAILS THAT ARE SHOWN ARE FOR FABRICATION. STRAIGHT REBAR DETAILS NOT SHOWN, ONLY THE SIZE IS SHOWN IN THE SECTIONS.

⊕ THESE REINFORCING STEEL BAR DIMENSIONS VARY AND SHALL BE ADJUSTED AND FABRICATED TO FIT IN THE TRANSITION AREA.

THIS STANDARD PLAN SHALL BE USED IN CONJUNCTION WITH STANDARD PLAN GR-200.

⊙ SEE STANDARD DETAIL BR-01 FOR FURTHER STANDARD BARRIER & REINFORCING DETAIL INFORMATION.

⊠ 401 BARS WILL TERMINATE IN TRANSITION SECTION WITH 1½" REQUIRED BAR CLEARANCE.

⊞ FOOTING WIDTH MAY BE ADJUSTED TO 6" TO FIT AROUND COLUMN INTERFERENCE WHEN NEEDED. ADJUSTMENTS TO BE MADE AT NO ADDITIONAL COST. ANY REVISED DETAILS TO BE APPROVED BY THE ENGINEER

FOR INFORMATIONAL PURPOSES ONLY

STATE OF LOUISIANA
PAUL B. FOSSIER, JR.
REG. No. 21028
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
11-10-08

SHEET NUMBER

PARISH | FEDERAL PROJECT | STATE PROJECT

DESIGNED G. GRASS
DETAILED P. FOSSIER
CHECKED
DATE OCT. 2008
SHEET 7 OF 8

REVISION DESCRIPTION | BY | DATE: 1-26-09

APPROVED BY: CHIEF ENGINEER
DATE

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT DOTD

HIGHWAY GUARD RAILS
BACKFILL SUPPORTED BARRIER
CUT & FILL SECTION
GR-201

BRIDGE AND STRUCTURAL DESIGN

IP_PWP:dms31585\GR201-07.dgn