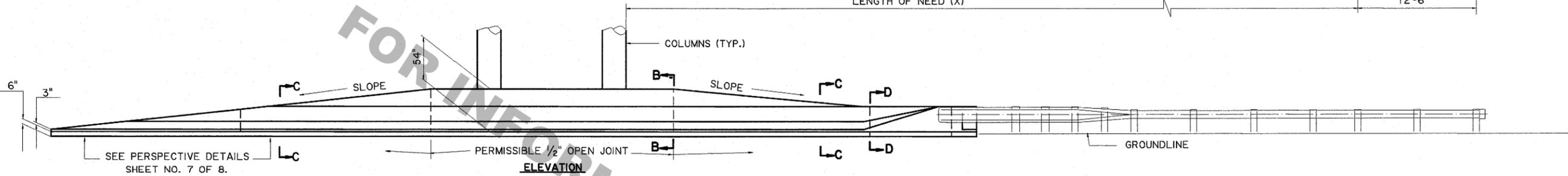


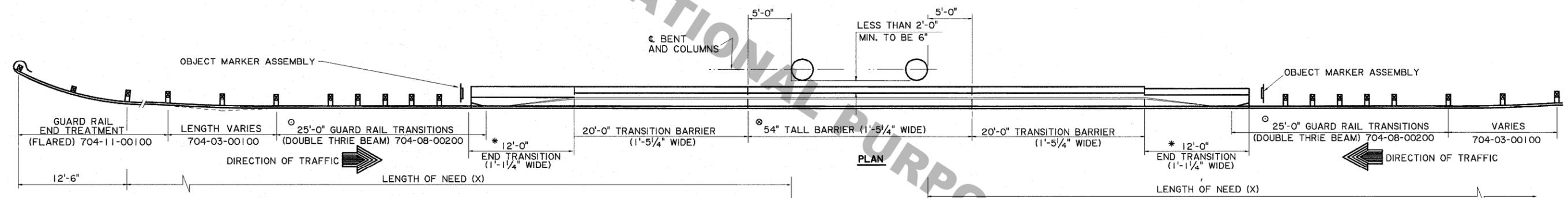
NOTE: LAYOUT SAME FOR OTHER SIDE OF HIGHWAY BUT IN OPPOSITE DIRECTION.

PLAN



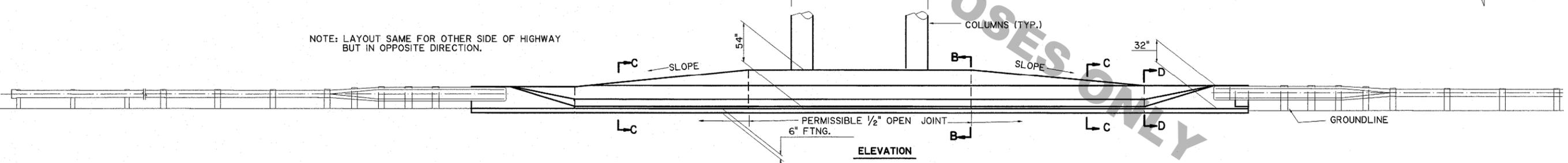
ELEVATION

TYPICAL FOR DIVIDED HIGHWAY



NOTE: LAYOUT SAME FOR OTHER SIDE OF HIGHWAY BUT IN OPPOSITE DIRECTION.

PLAN



ELEVATION

TYPICAL FOR UNDIVIDED HIGHWAY WITH FILL SECTION

NOTES:

- ⊙ LENGTH OF 54" TALL BARRIER TO BE DETERMINED BY THE LENGTH OF THE OBJECT TO BE PROTECTED. REGARDLESS OF LENGTH OF NEED (X), A MINIMUM OF 75'-0" GUARD RAIL SHALL BE INSTALLED AT THE END OF CONCRETE BARRIER. WHEN MINIMUM GUARD RAIL IS USED, SEE NOTE 2, SHT. 1 OF GR-200.
- FOR ADDITIONAL INFORMATION AND BARRIER RAIL DETAILS, SECTION B-B, C-C, D-D & E-E SEE SHEET 7 AND 8 OF 8.
- THIS STANDARD PLAN SHALL BE USED IN CONJUNCTION WITH STANDARD PLAN GR-200.
- * FOR BARRIER REINFORCING DETAILS OF 12'-0" TRANSITION & TAPER, SEE STANDARD DETAIL BR-01
- ⊙ 10' CURB REQUIRED, SEE SHT. 3, STD. PLAN GR-200 FOR DETAILS.

FUTURE OVERLAYS:

FOR FUTURE OVERLAY ON THE SHOULDER, WHERE IT MEETS THE PIER PROTECTION, THE OVERLAY SHALL PREFERABLY BE A MAXIMUM OF 3". THUS THE EFFECTIVE HEIGHT OF THE BARRIER AT 32" AND THE ATTACHED THRIE BEAM CAN BE LOWERED UP TO 3" WITHOUT FURTHER MODIFICATION TO THE HEIGHT OF THE BARRIER SYSTEM.

WHEN THE OVERLAY ON THE SHOULDER MUST EXCEED THE 3" MAXIMUM REQUIREMENT, MODIFY THE APPROACH SECTION OF THE PIER PROTECTION SYSTEM AT SECTION D-D TO WHICH THE THRIE BEAM CONNECTS, BY RAISING IT TO A HEIGHT EQUAL TO THE DEPTH OF THE REQUIRED OVERLAY. THIS WOULD ALSO REQUIRE THE GUARDRAIL TO BE RAISED BY AN EQUAL AMOUNT.



DESIGNED	CHECKED	DATE	BY
Detailed	CHECKED	DATE	BY
DATE	DATE	DATE	DATE
REVISION DESCRIPTION	REVISION NUMBER	DATE	BY
PARISH PROJECT		STATE PROJECT	FEDERAL PROJECT
C. GRASS		P. FOSSIER	OCT. 2008
6 OF 8		6 OF 8	

DATE: 1-26-09

CHIEF ENGINEER: *W. H. Temple*

STATE OF LOUISIANA REGISTERED PROFESSIONAL ENGINEER CIVIL ENGINEERING

PAUL S. FOSSIER, JR. REG. NO. 21028 REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

11-10-08

HIGHWAY GUARD RAILS FILL SECTION (LESS THAN 2'-0" CLEARANCE)

GR-201

BRIDGE AND STRUCTURAL DESIGN