

STD. PLAN GR-200.

FLARE RATE SHALL BE IN ACCORDANCE WITH DESIGN SPEED AS SHOWN ON SHEET 2

BRIDGE AND STRUCTURAL DESIGN

G. GRASS P. FOSSIER OCT.,2008 I OF 8

UPDATED FOR 2016 SPECIFICATIONS

2-15-17
DATE
APPROVED BY

SEE NOTE 13, SHEET 1 , STD. PLAN GR-200 FOR INFORMATION ON RETROREFLECTIVE ADHESIVE SHEETING FOR GUARD RAIL SYSTEMS.

"H" IS THE SHORTEST MULTIPLE OF 6'-3" WHICH EXCEEDS THE HAZARD LENGTH.

- GUARD RAIL SHALL BE FLARED TO MEET THE FRONT THRIE BEAM GUARDRAIL.
- ⊕ SEE STANDARD ITEM, 704-10-00300 FOR GUARD RAIL END TREATMENT (BI-DIRECTIONAL).
- ▲ 6'-3" W BEAM/THRIE BEAM TRANSITION SECTION.
- O DIMENSION MEASURED FROM BACK FACE OF GUARD RAIL POST TO FRONT FACE OF OBSTACLE.





BRIDGE AND STRUCTURAL DESIGN

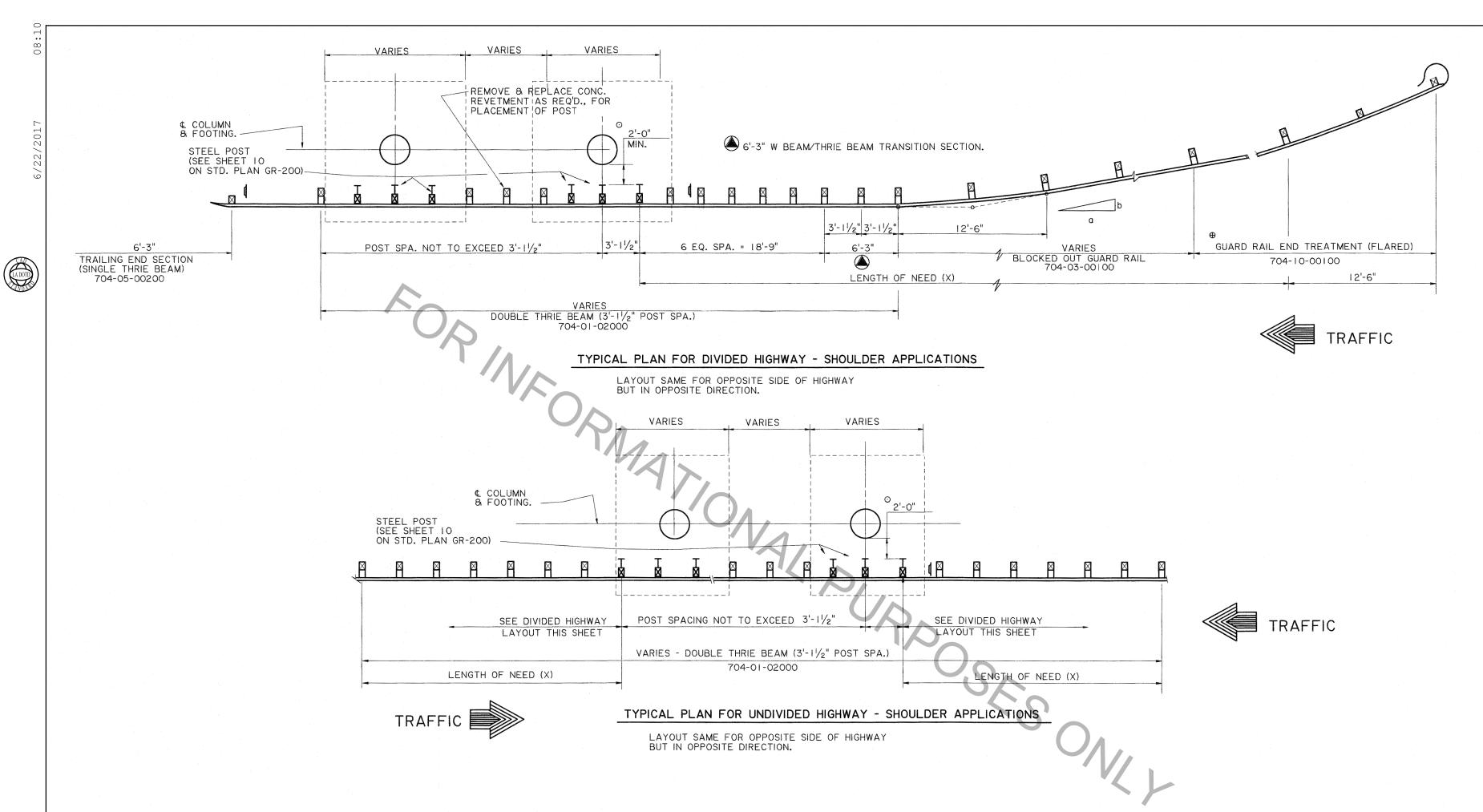
HIGHWAY GUARD RAILS MEDIAN OBSTACLE 2' MIN. CLEARANCE (DESIRABLE)

6. GRASS P. FOSSIER OCT.,2008 2 OF 8

K.M.B.

UPDATED FOR 2016 SPECIFICATIONS
REVISION DESCRIPTION

15-17 DATE



NOTES:

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

IDEAL LOCATION FOR GUARD RAIL: GUARD RAIL SHALL BE PLACE AS FAR AWAY FROM TRAFFIC AS POSSIBLE BUT NO CLOSER THAN 2'-0" FROM THE OBSTACLE AS SHOWN.

FOR CLEARANCES OF MORE THAN 5'-0", ITEMS 704-01-02000, DOUBLE THRIE BEAM (3'-1 $\frac{1}{2}$ " POST SPA.) & 704-01-01000, SINGLE THRIE BEAM (3'-1 $\frac{1}{2}$ " POST SPA.) MAY BE REPLACED BY ITEM 704-01-01020 WHICH IS A SINGLE THRIE BEAM WITH 6'-3" POST SPACING.

FOR CLEAR ZONE DISTANCE (Lc) SEE TABLE 1, SHEET 2, STD. PLAN GR-200

SEE ANCHOR PLATE AND STEEL POST ATTACHMENT TO CONCRETE DETAILS, SHEET 10, STD. PLAN GR-200 IF STEEL POST ARE REQUIRED AT FOOTING LOCATIONS.

- O DIMENSION MEASURED FROM BACK FACE OF GUARD RAIL POST TO FRONT FACE OF OBSTACLE.
- ⊕ SEE NOTE II, SHT. I, GR-200 STD. PLAN

LENGTH OF NEED (X) TO BEGIN AT FIRST POST PRIOR TO THE OBSTACLE AS SHOWN.

FOR EMBANKMENT WIDENING, SEE SHT. I STD. PLAN GR-200.



HIGHWAY GUARD RAILS
DIVIDED AND UNDIVIDED
HIGHWAY SHOULDER APPLICATION
(2' MIN. CLEARANCE)

G. GRASS
P. FOSSIER
OCT.,2008
3 OF 8

K.M.B. BY 3-2017

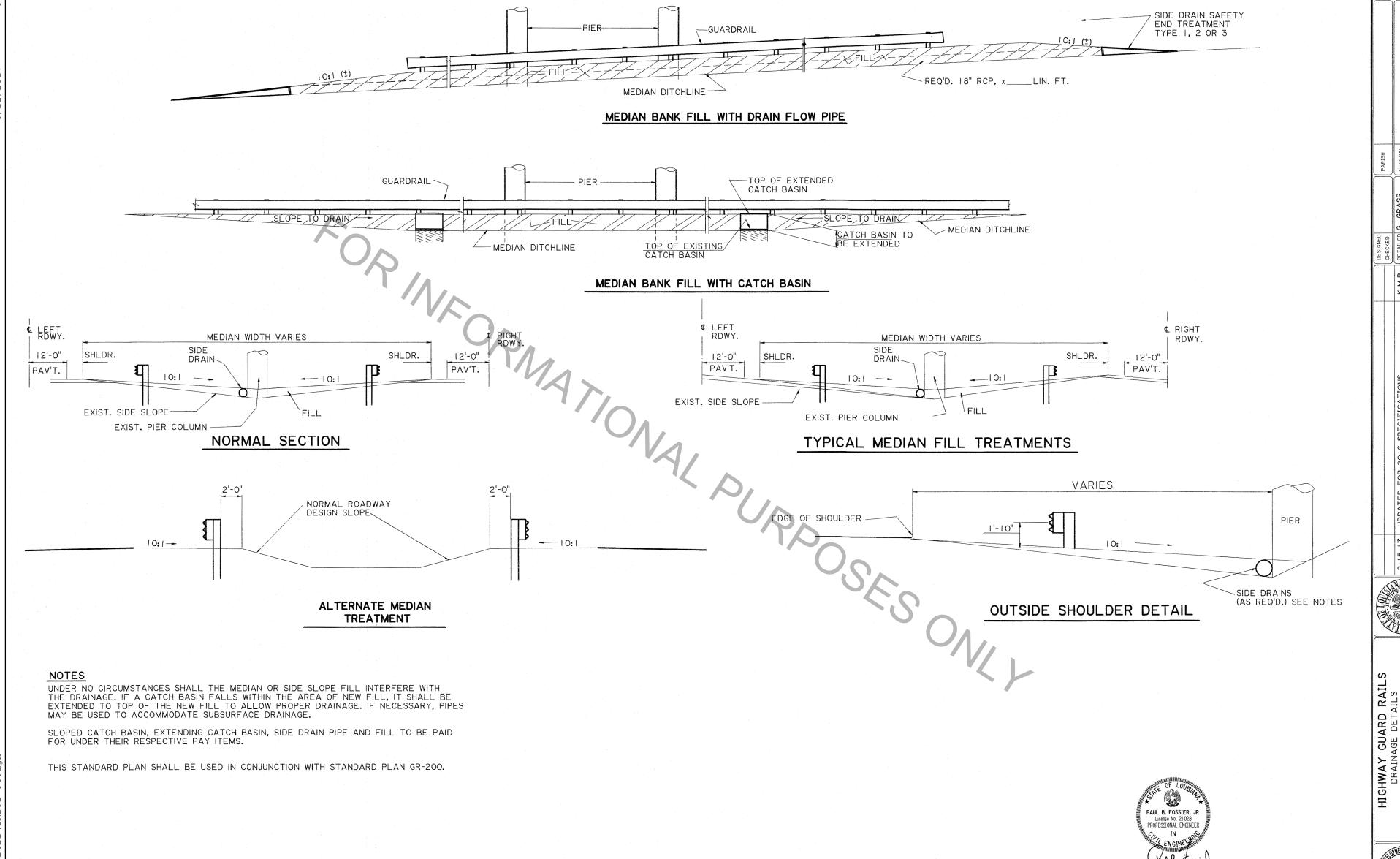
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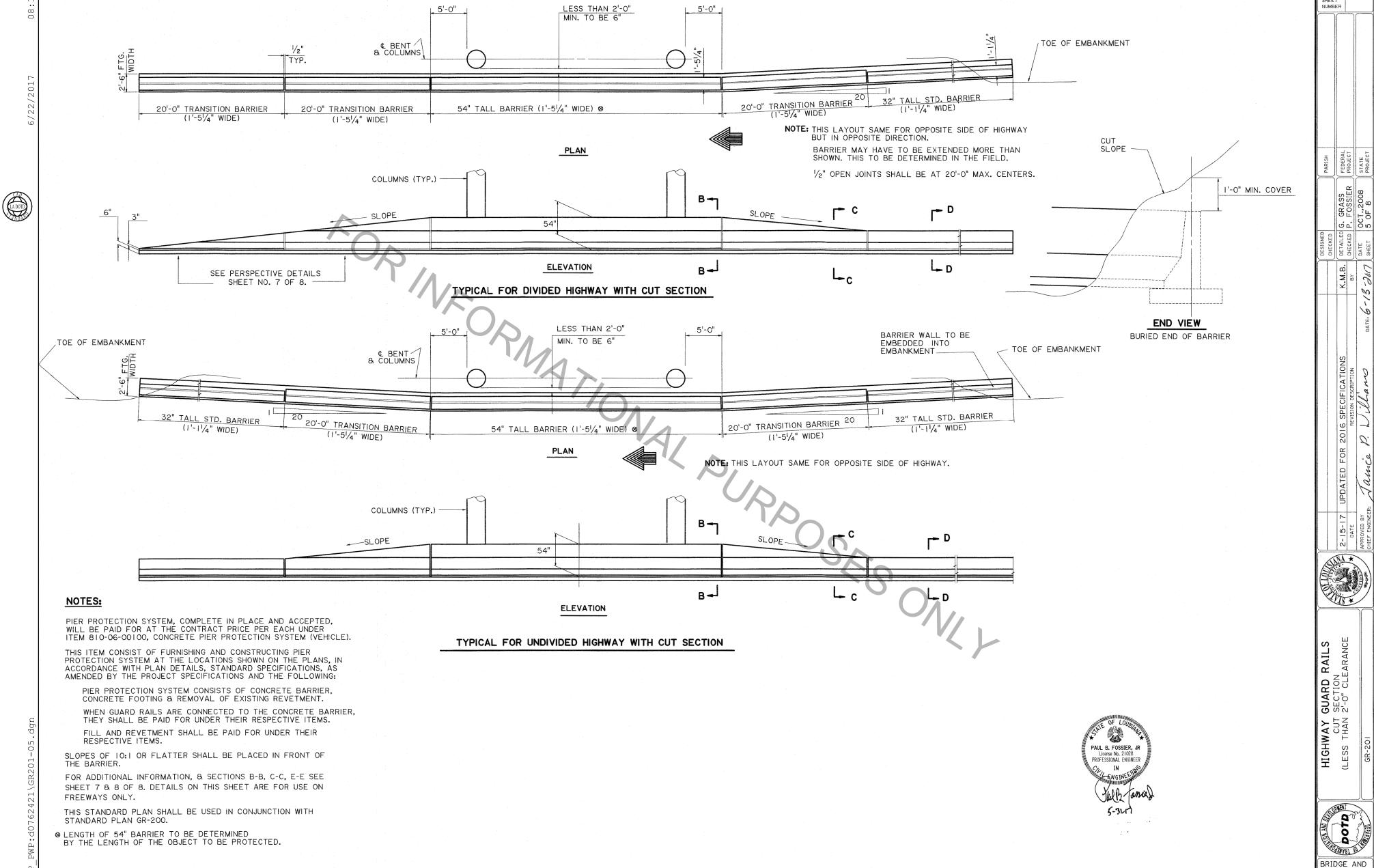
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BRIDGE AND STRUCTURAL DESIGN

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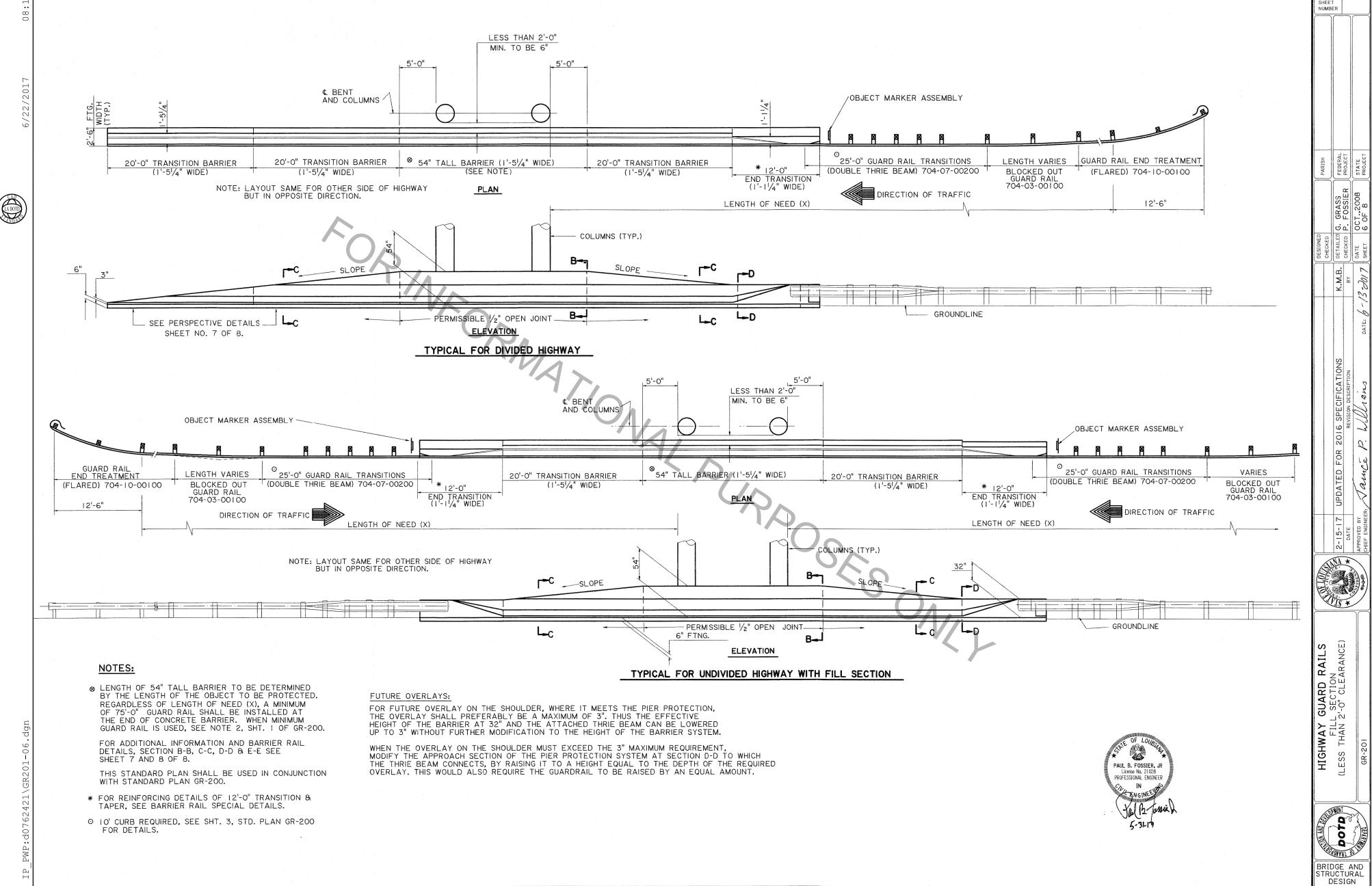
UPDATED FOR 2016 SPECIFICATIONS
REVISION DESCRIPTION

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BRIDGE AND STRUCTURAL DESIGN

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