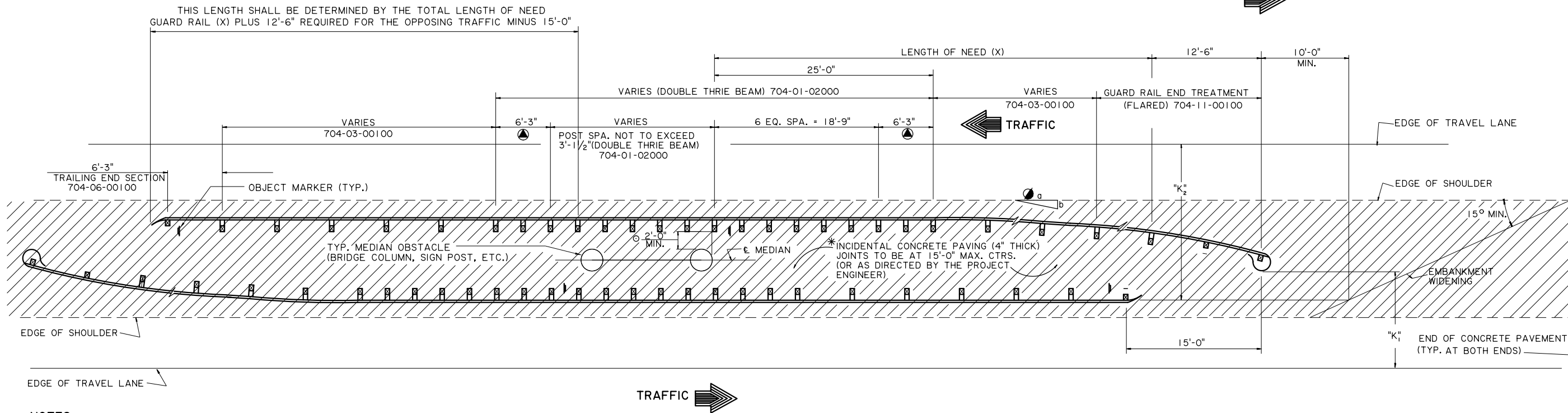
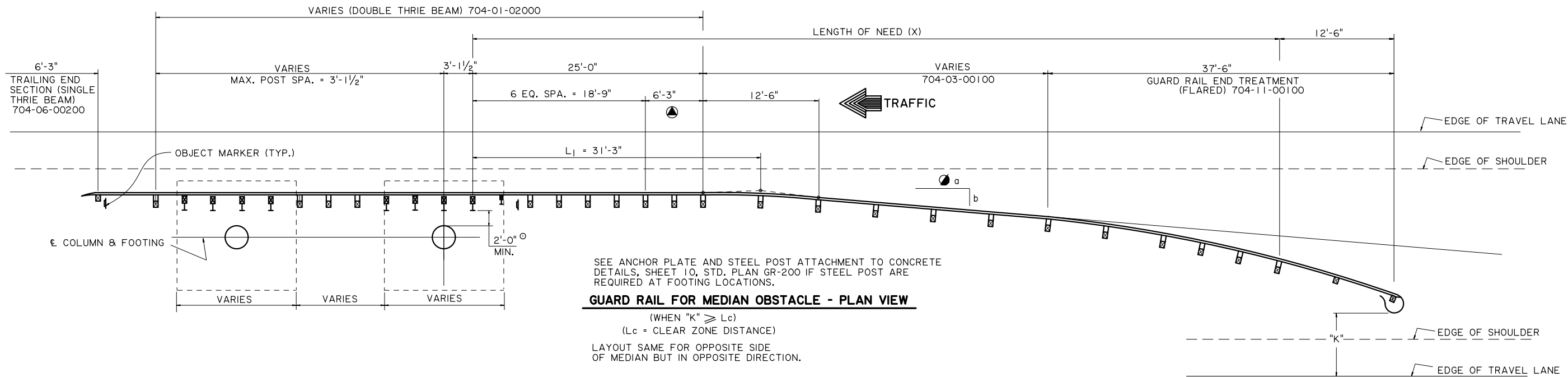




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#### NOTES:

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

DESIRABLE LOCATION FOR GUARD RAIL: GUARD RAIL SHALL BE PLACED 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" ITEM 704-01-02000 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. "K", "K1" AND "K2" ARE DISTANCES MEASURED FROM EDGE OF TRAVEL LANE TO BACK FACE OF GUARD RAIL.

\* INCIDENTAL CONCRETE PAVING (4" THICK) TO BE PAID FOR UNDER ITEM 706-03-00100, PER SQ. YARD. THE INCIDENTAL CONCRETE WILL BE USED ON THE PROJECT ONLY IF A QUANTITY & PAY ITEM ARE SHOWN ON THE SUMMARY OF ESTIMATED QUANTITIES. SEE SHEET 10, GR-200 STD. PLAN FOR REQUIRED POST PAVING DETAILS.

6'-3" W BEAM/THRIE BEAM TRANSITION SECTION.

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

○ DIMENSION MEASURED FROM BACK FACE OF GUARD RAIL POST TO FRONT FACE OF OBSTACLE.

● FLARE RATE SHALL BE IN ACCORDANCE WITH DESIGN SPEED AS SHOWN ON SHEET 2 STD. PLAN GR-200.

#### GUARD RAIL FOR MEDIAN OBSTACLE - PLAN VIEW

(ONLY WHEN "K" < Lc AND "K2" > Lc)

SEE SHT. 2 OF 8 FOR DESIRABLE LAYOUT

|                                      |          |
|--------------------------------------|----------|
| SHEET NUMBER                         |          |
| PARISH                               |          |
| CONTROL SECTION                      |          |
| STATE PROJECT                        |          |
| DESIGN                               | CHECK    |
| DETAIL                               | CHECK    |
| G. GRASS                             |          |
| P. FOSSIER                           |          |
| REVIEW                               | SERIES # |
| 1                                    | OF 8     |
| APPROVED BY CHIEF ENGINEER:          |          |
| DATE: 6/29/2026                      |          |
| REVISION OR CHANGE ORDER DESCRIPTION |          |
| BY                                   |          |
| DATE                                 |          |
| NO.                                  |          |
| STATE OF LOUISIANA                   |          |
| CONFIDENTIAL                         |          |
| HIGHWAY GUARD RAILS                  |          |
| MEDIAN OBSTACLE                      |          |
| 2' MIN. CLEARANCE                    |          |
| GR-201                               |          |
| STANDARD PLAN                        |          |

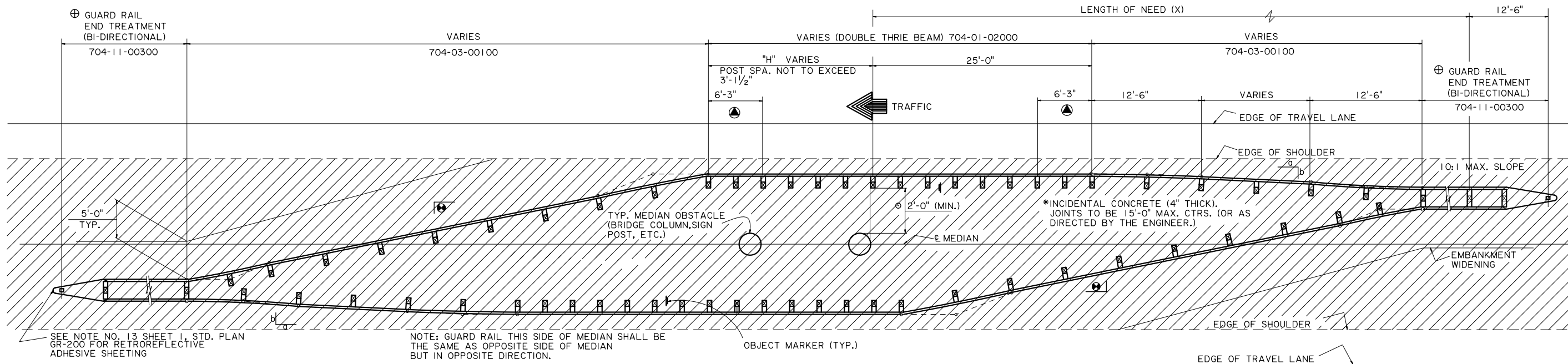




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**GUARD RAIL FOR MEDIAN OBSTACLE (DESIRABLE) - PLAN VIEW**  
(WHEN "K" < Lc, SEE NOTES AND DETAILS SHT. 1 OF 8)

**NOTES:**

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

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

FOR CLEARANCES OF MORE THAN 5'-0", ITEMS 704-01-02000 MAY BE REPLACED BY ITEM 704-01-01020 WHICH IS SINGLE THRIE BEAM WITH 6'-3" POST SPACING.

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

\* INCIDENTAL CONCRETE PAVING (4" THICK) IS TO BE PAID FOR UNDER ITEM 706-03-00100 PER SQ. YARD. THE INCIDENTAL CONCRETE WILL BE USED ON THE PROJECT ONLY IF A QUANTITY & PAY ITEM ARE SHOWN ON THE SUMMARY OF ESTIMATED QUANTITIES. SEE SHT. 10, STD. PLAN GR-200 FOR REQUIRED POST PAVING DETAILS.

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, 704-11-00300 FOR GUARD RAIL END TREATMENT (BI-DIRECTIONAL).

⬤ 6'-3" W BEAM/THRIE BEAM TRANSITION SECTION.

○ DIMENSION MEASURED FROM BACK FACE OF GUARD RAIL POST TO FRONT FACE OF OBSTACLE.

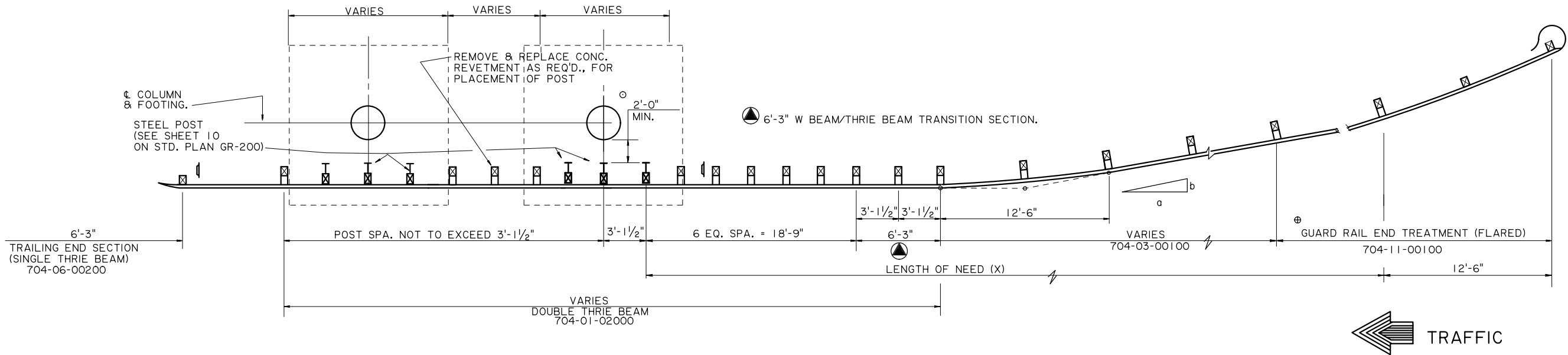
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|----------------------------------------------------------------------------|---------------------|
| SHEET NUMBER                                                               |                     |
| PARISH                                                                     | CONTROL SECTION     |
| DESIGN CHECK                                                               | G. GRASS P. FOSSIER |
| REVIEW                                                                     | STATE PROJECT       |
| DATE: 6/29/2026                                                            |                     |
| BY                                                                         |                     |
| REVISION OR CHANGE ORDER DESCRIPTION                                       |                     |
| DATE                                                                       |                     |
| NO.                                                                        |                     |
| STATE OF LOUISIANA                                                         |                     |
| CONFIDENTIAL                                                               |                     |
| HIGHWAY GUARD RAILS<br>MEDIAN OBSTACLE<br>2' MIN. CLEARANCE<br>(DESIRABLE) |                     |
| GR-201                                                                     |                     |
| DOTD<br>LOUISIANA DEPARTMENT OF<br>TRANSPORTATION & DEVELOPMENT            |                     |
| STANDARD PLAN                                                              |                     |



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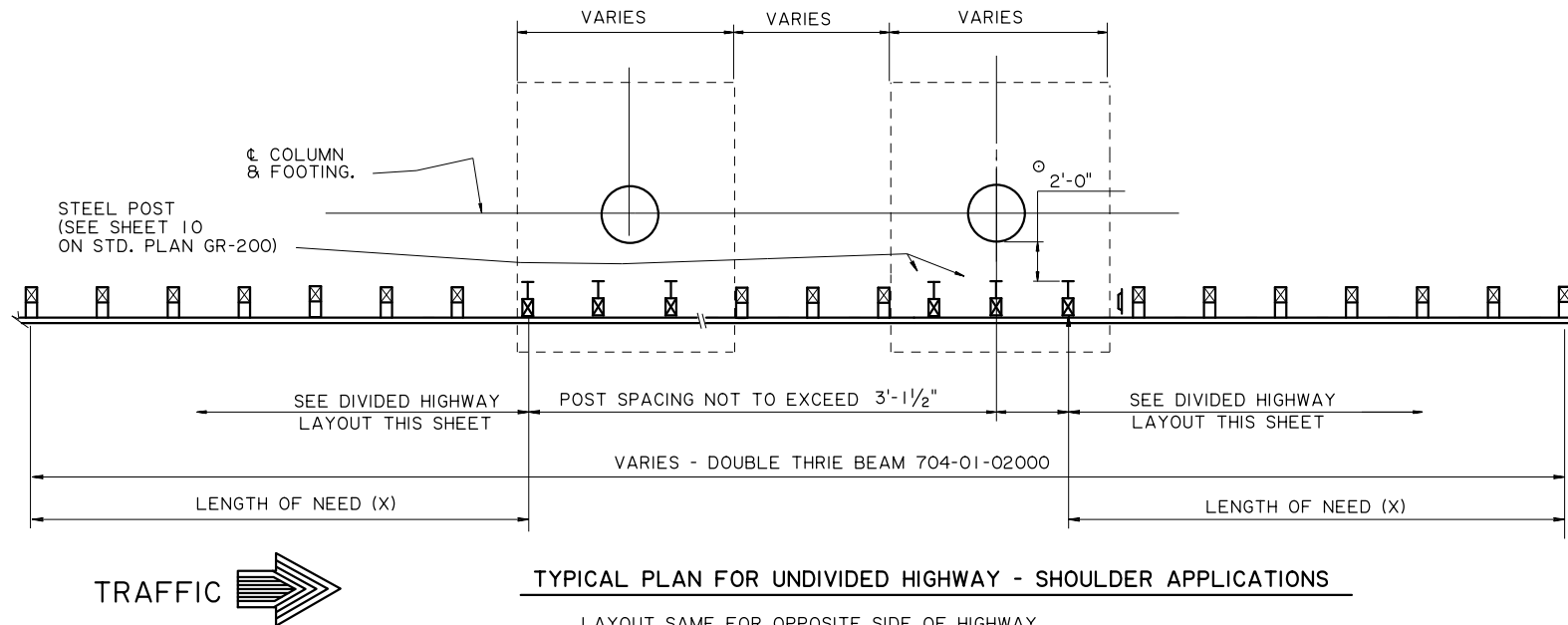
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TYPICAL PLAN FOR DIVIDED HIGHWAY - SHOULDER APPLICATIONS

LAYOUT SAME FOR OPPOSITE SIDE OF HIGHWAY BUT IN OPPOSITE DIRECTION.



TYPICAL PLAN FOR UNDIVIDED HIGHWAY - SHOULDER APPLICATIONS

LAYOUT SAME FOR OPPOSITE SIDE OF HIGHWAY BUT IN OPPOSITE DIRECTION.

NOTES:

THIS STANDARD PLAN SHALL BE USED IN CONJUNCTION WITH STANDARD PLAN GR-200.  
IDEAL LOCATION FOR GUARD RAIL: GUARD RAIL SHALL BE PLACED 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 & 704-01-01000 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 POSTS ARE REQUIRED AT FOOTING LOCATIONS.

⊙ DIMENSION MEASURED FROM BACK FACE OF GUARD RAIL POST TO FRONT FACE OF OBSTACLE.

⊕ SEE NOTE 11, SHT. 1, GR-200 STD. PLAN

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

FOR EMBANKMENT WIDENING, SEE SHT. 1 STD. PLAN GR-200.

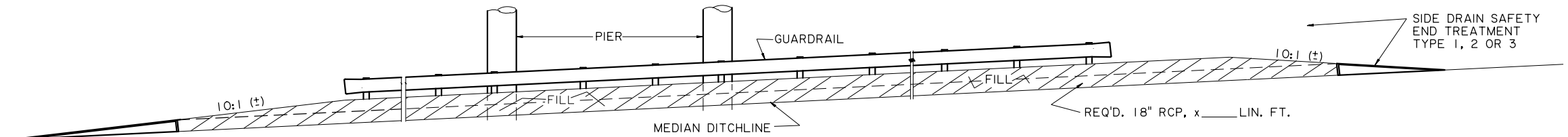
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|-----------------------------------------------------------------------------------------------------|-------|--------|-------|-----------------|--------|---------------|--|
| SHEET NUMBER                                                                                        |       | PARISH |       | CONTROL SECTION |        | STATE PROJECT |  |
| DESIGN                                                                                              | CHECK | DETAIL | CHECK | REVIEW          | SERIES | 3 OF 8        |  |
| APPROVED BY CHIEF ENGINEER:                                                                         |       |        |       | DATE: 6/29/2026 |        |               |  |
| REVISION OR CHANGE ORDER DESCRIPTION                                                                |       |        |       |                 |        |               |  |
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| BY                                                                                                  |       |        |       |                 |        |               |  |
| STATE OF LOUISIANA                                                                                  |       |        |       |                 |        |               |  |
| HIGHWAY GUARD RAILS<br>DIVIDED AND UNDIVIDED HIGHWAY<br>SHOULDER APPLICATION<br>(2' MIN. CLEARANCE) |       |        |       |                 |        |               |  |
| GR-201                                                                                              |       |        |       |                 |        |               |  |
| DOTD<br>LOUISIANA DEPARTMENT OF<br>TRANSPORTATION & DEVELOPMENT                                     |       |        |       |                 |        |               |  |
| STANDARD PLAN                                                                                       |       |        |       |                 |        |               |  |



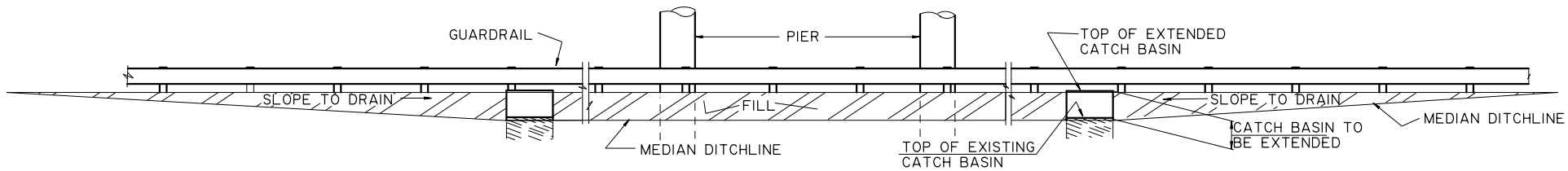
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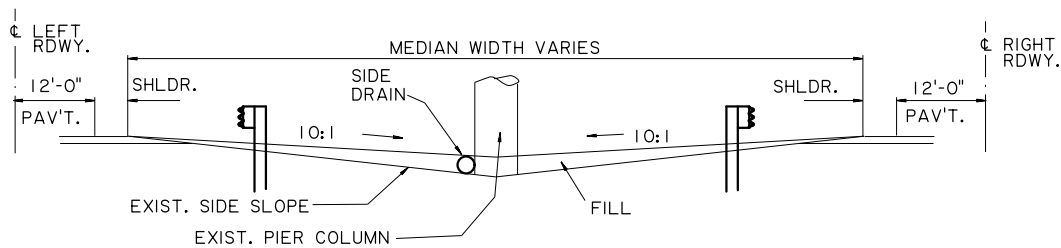
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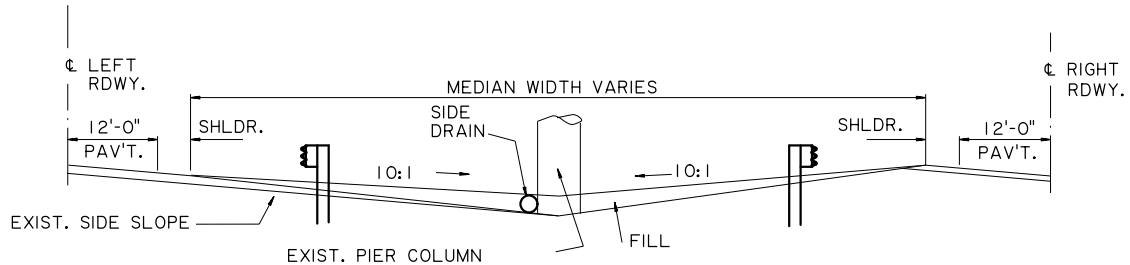
**MEDIAN BANK FILL WITH DRAIN FLOW PIPE**



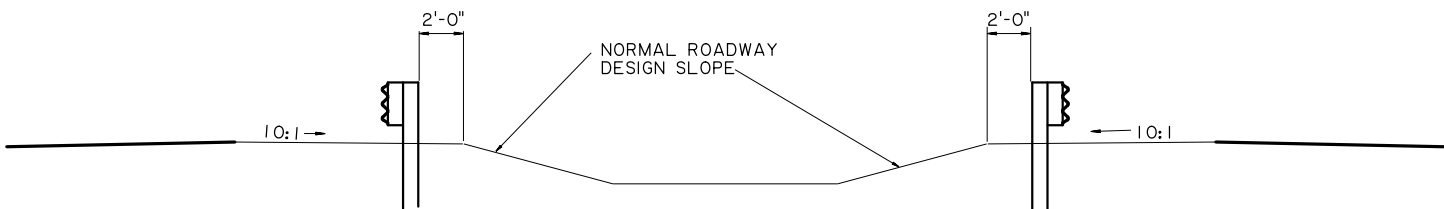
**MEDIAN BANK FILL WITH CATCH BASIN**



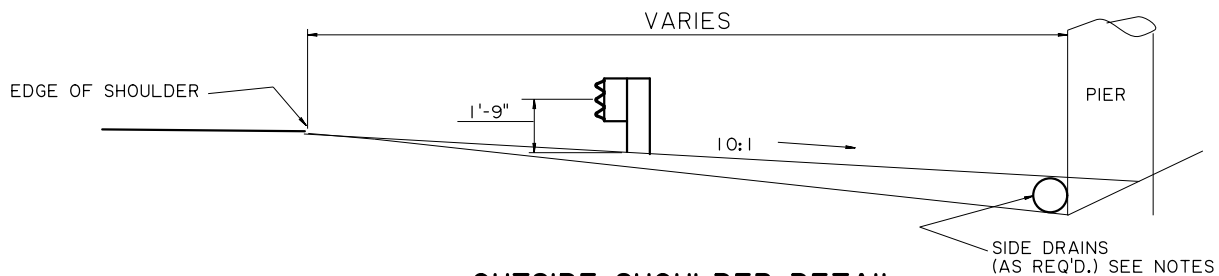
**NORMAL SECTION**



**TYPICAL MEDIAN FILL TREATMENTS**



**ALTERNATE MEDIAN TREATMENT**



**OUTSIDE SHOULDER DETAIL**

**NOTES**

UNDER NO CIRCUMSTANCES SHALL THE MEDIAN OR SIDE SLOPE FILL INTERFERE WITH THE DRAINAGE. IF A CATCH BASIN FALLS WITHIN THE AREA OF NEW FILL, IT SHALL BE EXTENDED TO TOP OF THE NEW FILL TO ALLOW PROPER DRAINAGE. IF NECESSARY, PIPES MAY BE USED TO ACCOMMODATE SUBSURFACE DRAINAGE.

SLOPED CATCH BASIN, EXTENDING CATCH BASIN, SIDE DRAIN PIPE AND FILL TO BE PAID FOR UNDER THEIR RESPECTIVE PAY ITEMS.

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

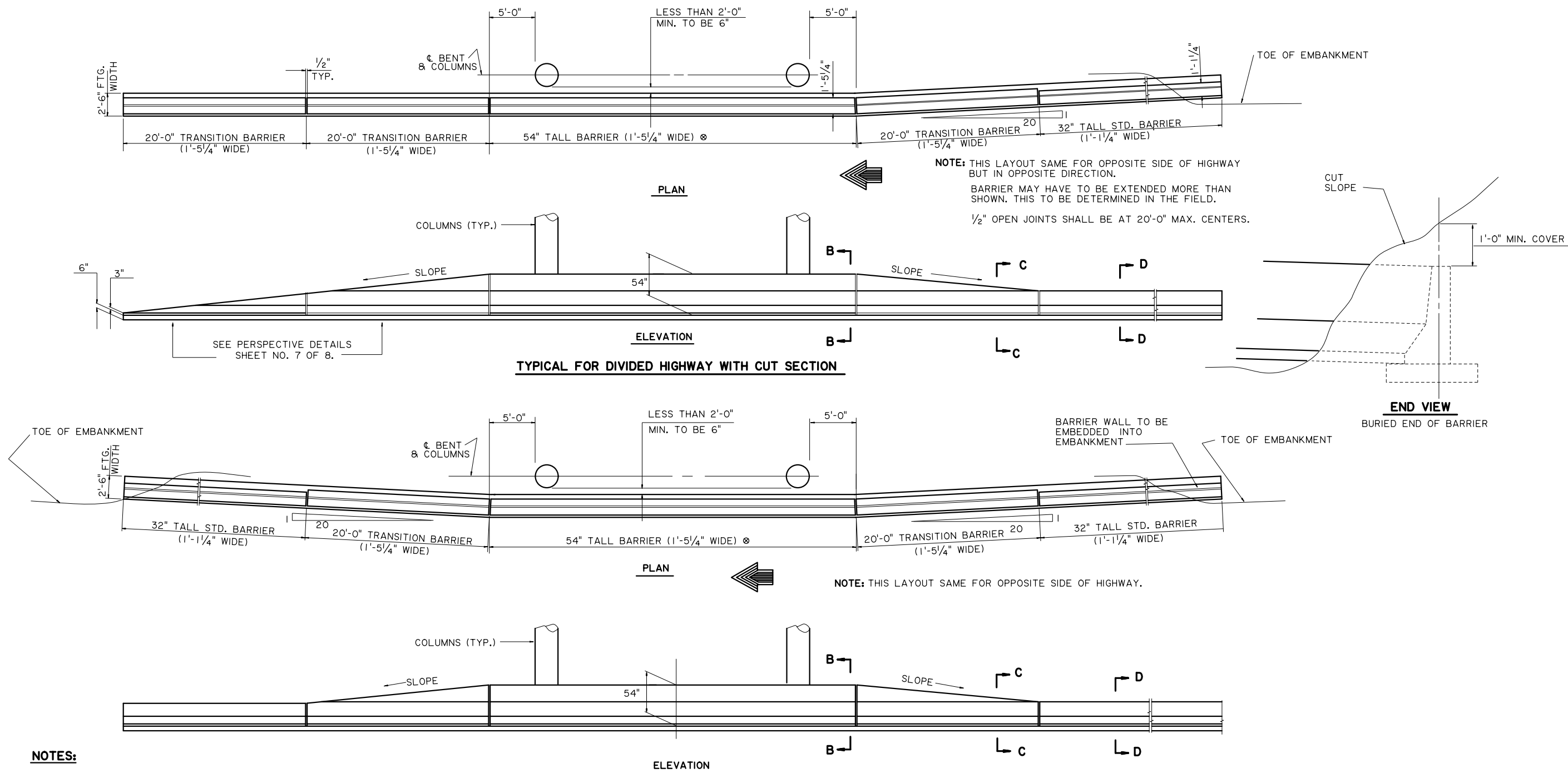
| SHEET NUMBER |       | PARISH   |       | CONTROL SECTION |        | STATE PROJECT |      |
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| DESIGN       | CHECK | DETAIL   | CHECK | REVIEW          | SERIES | 4             | OF 8 |
|              |       | G. GRASS |       | P. FOSSIER      |        |               |      |
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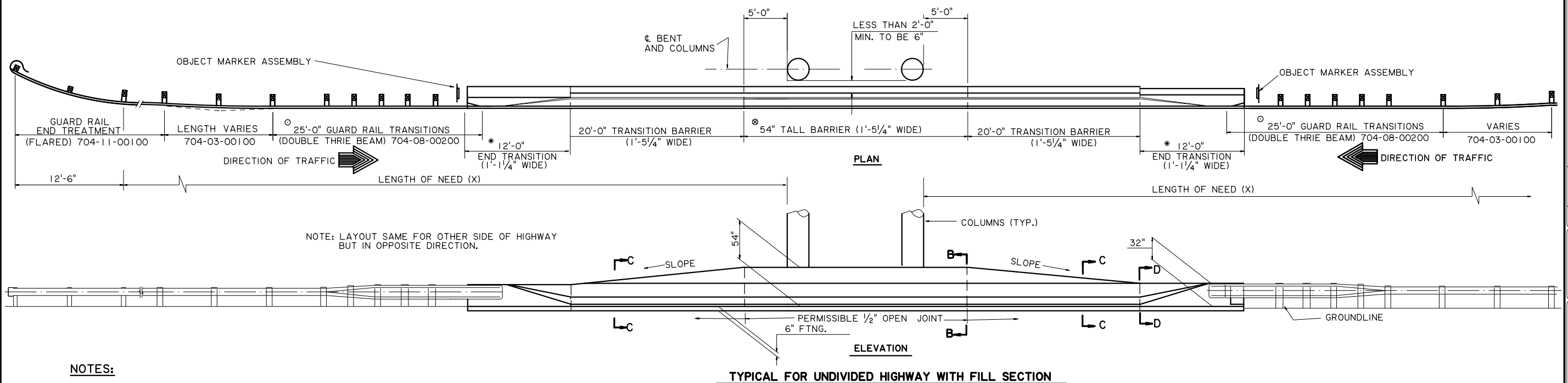
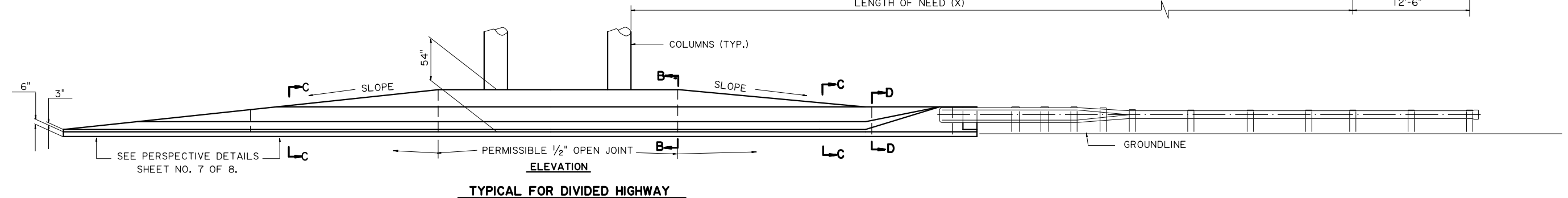
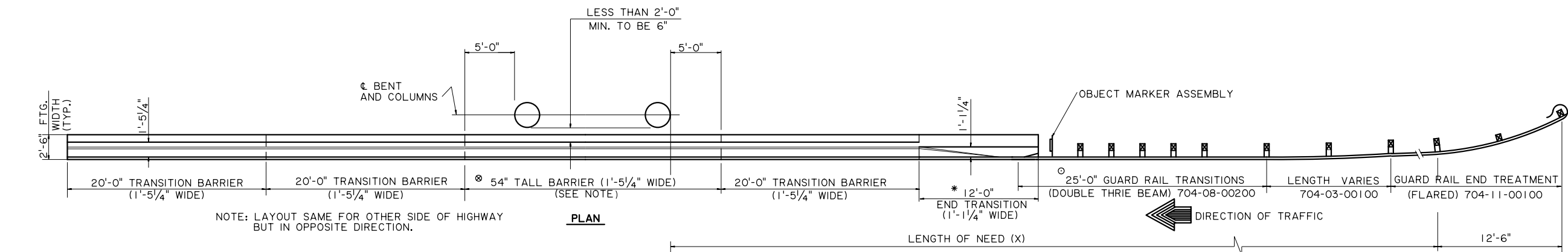
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| SHEET NUMBER                         |  | PARISH                                               |  | CONTROL SECTION                 |  | STATE PROJECT               |  |
| DESIGN CHECK                         |  | G. GRASS                                             |  | P. FOSSIER                      |  | SERIES # 5 OF 8             |  |
| APPROVED BY CHIEF ENGINEER:          |  | DATE: 6/29/2026                                      |  | BY                              |  | DATE                        |  |
| REVISION OR CHANGE ORDER DESCRIPTION |  | NO.                                                  |  | DATE                            |  | BY                          |  |
| STATE OF LOUISIANA                   |  | CONFIDENTIAL                                         |  | HIGHWAY GUARD RAILS CUT SECTION |  | (LESS THAN 2'-0" CLEARANCE) |  |
| DOTD                                 |  | LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT |  | STANDARD PLAN                   |  | GR-201                      |  |



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 THREE 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.

[illegible]

APPROVED BY CHIEF ENGINEER:

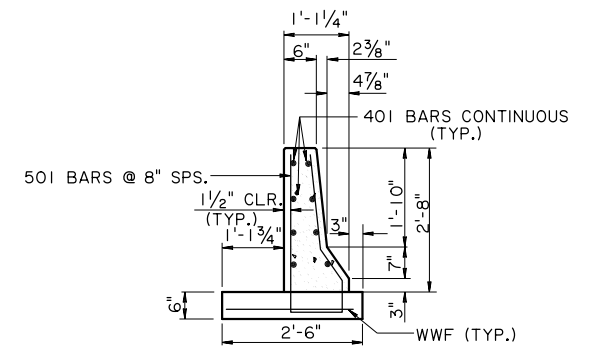
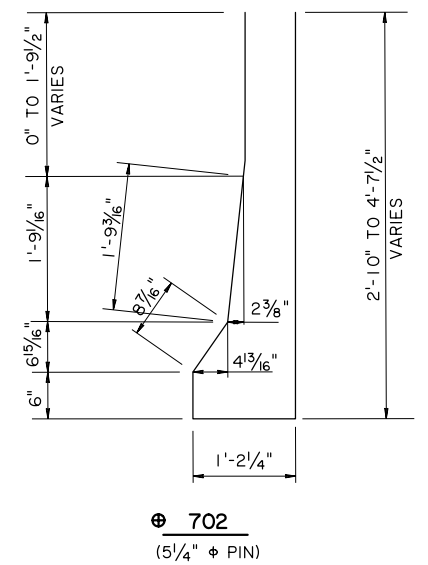
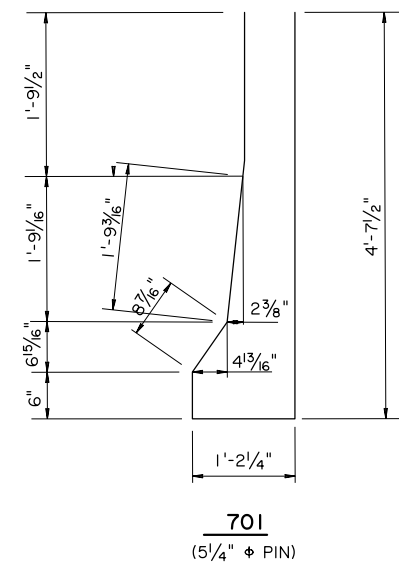
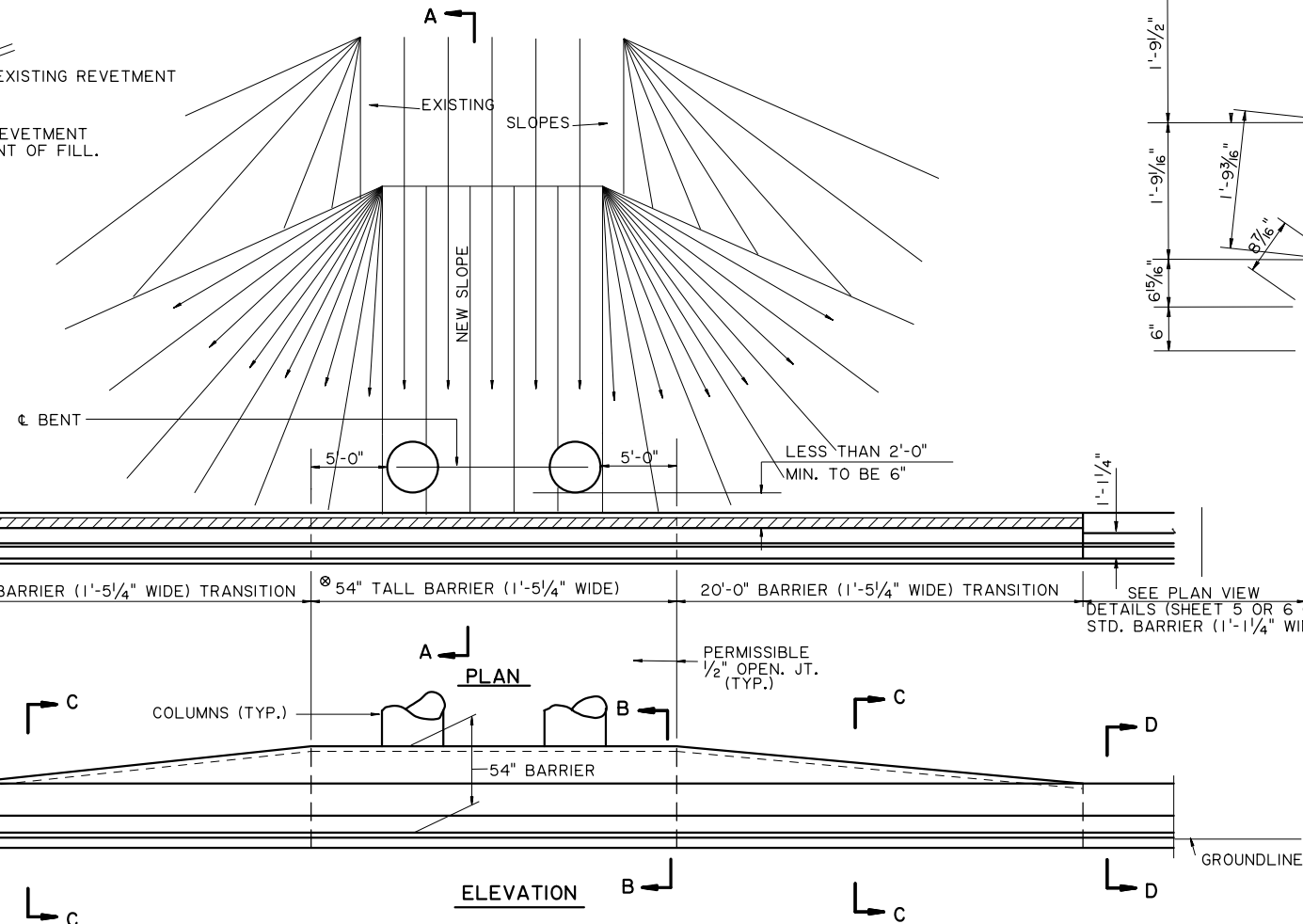
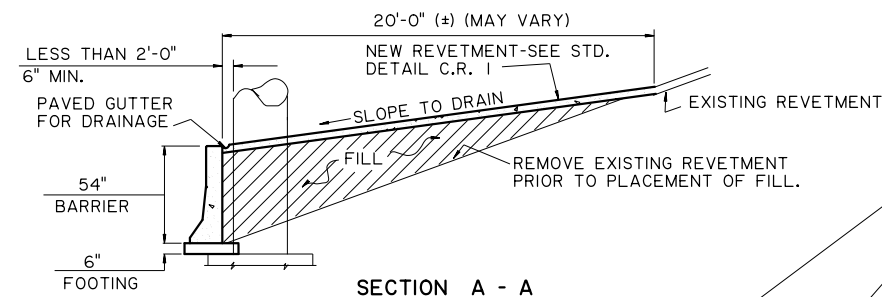
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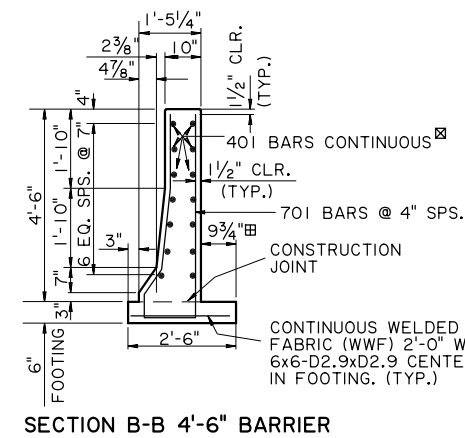
HIGHWAY GUARD RAILS  
FILL SECTION  
(LESS THAN 2'-0" CLEARANCE)

GR-201

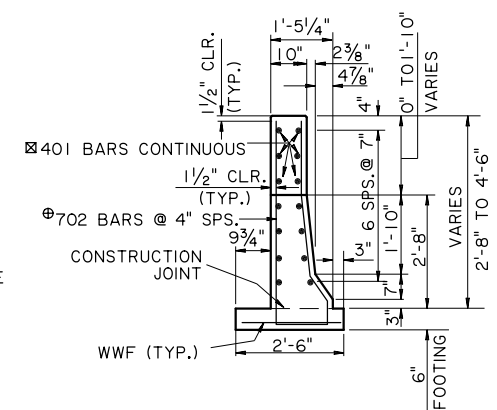
TANDARD  
PLAN



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



SECTION B-B 4'-6" BARRIER

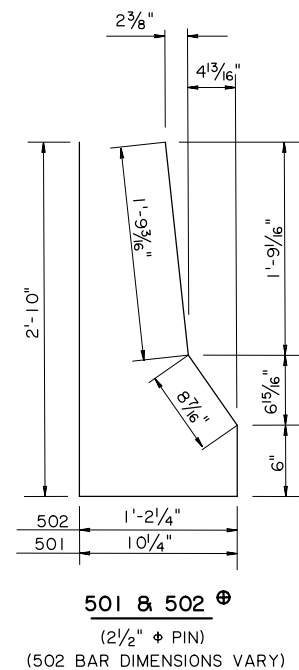


SECTION C-C @ TRANSITION BARRIER  
(2'-8" TO 4'-6")

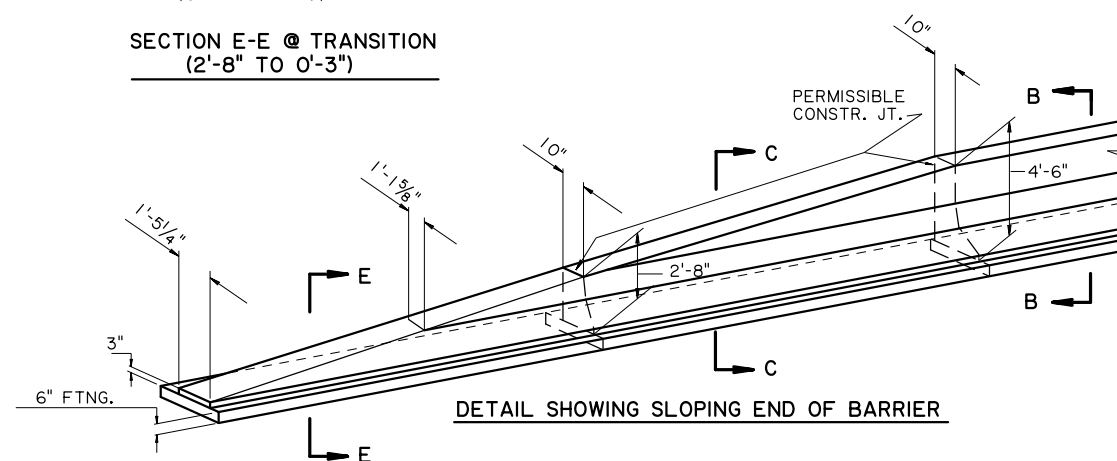
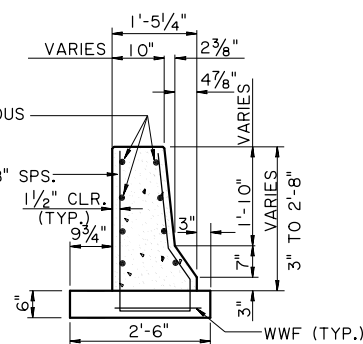
## NOTES

- 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.
- 1/2" 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.

- ④ 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

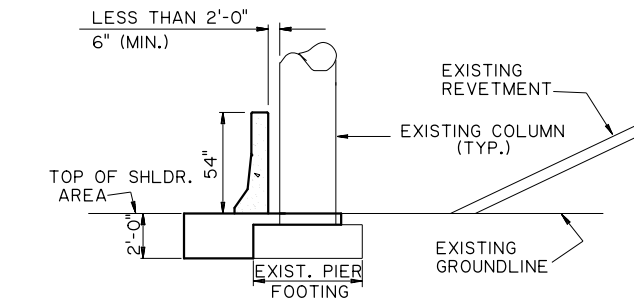


SECTION E-E @ TRANSITION  
(2'-8" TO 0'-3")



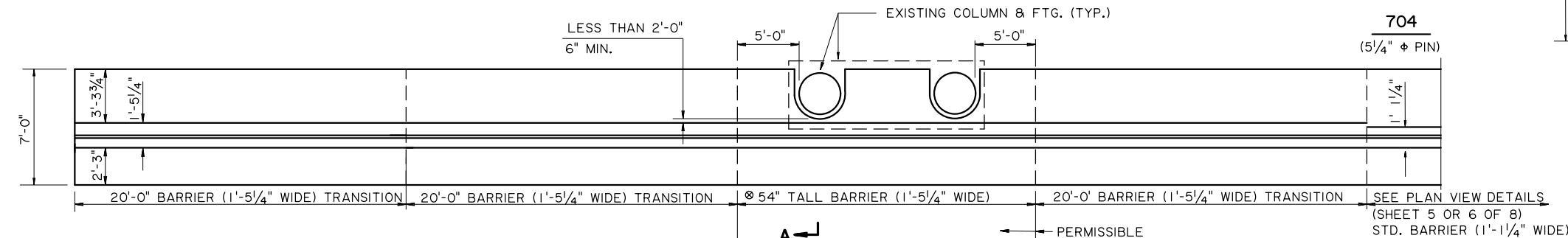
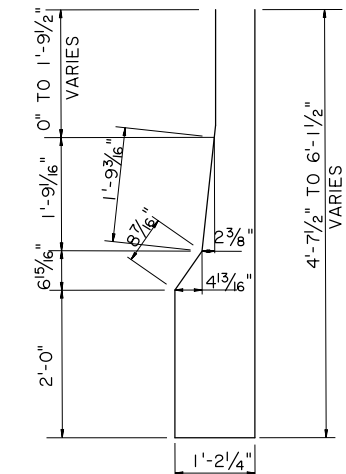
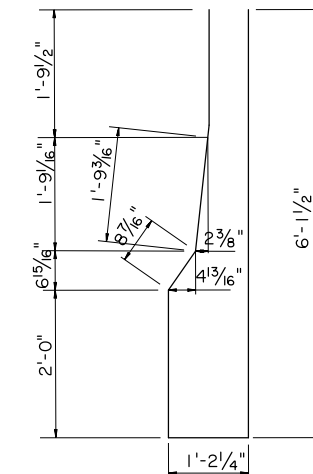
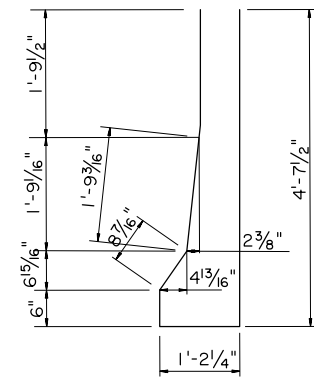
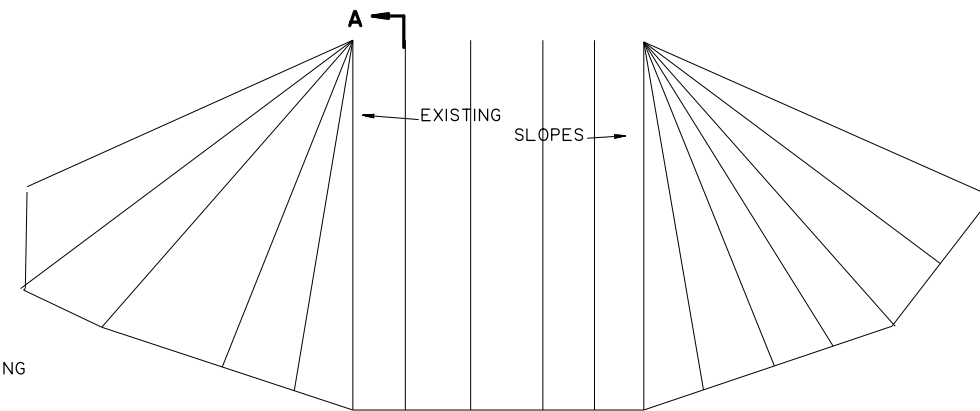
DETAIL SHOWING SLOPING END OF BARRIER

|                                                                                     |  |                                                                                                                   |  |                     |  |
|-------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------|--|---------------------|--|
|   |  | HIGHWAY GUARD RAILS<br>BACKFILL SUPPORTED BARRIER<br>CUT & FILL SECTION                                           |  | GR-201              |  |
|                                                                                     |  | STANDARD<br>PLAN                                                                                                  |  | GR-201              |  |
| NO. _____ DATE _____                                                                |  | REVISION OR CHANGE ORDER DESCRIPTION                                                                              |  | BY _____            |  |
|  |  | APPROVED BY CHIEF ENGINEER<br> |  | DATE: 6/29/2026     |  |
| CHECK _____                                                                         |  | G. GRASS<br>CONTROL SECTION                                                                                       |  | STATE PROJECT _____ |  |
| CHECK _____                                                                         |  | P. FOSSIER<br>REVIEW                                                                                              |  | SERIES # 7 OF 8     |  |
| SHEET NUMBER _____                                                                  |  | PARISH _____                                                                                                      |  | _____               |  |

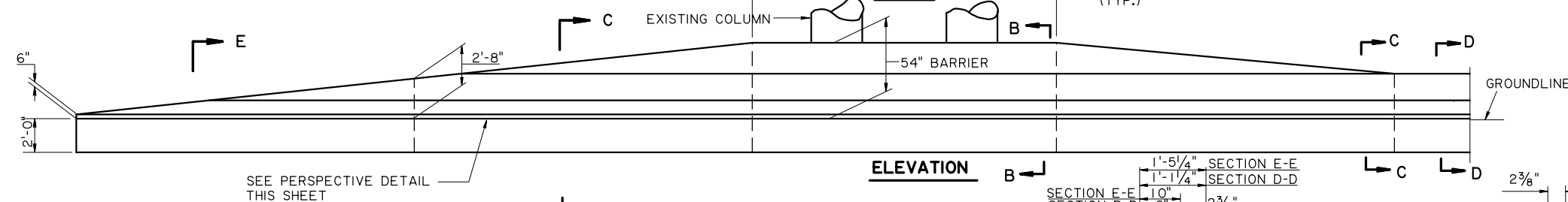


NEW BARRIER FOOTING SHALL BE COPED TO FIT THE EXIST. PIER FOOTING

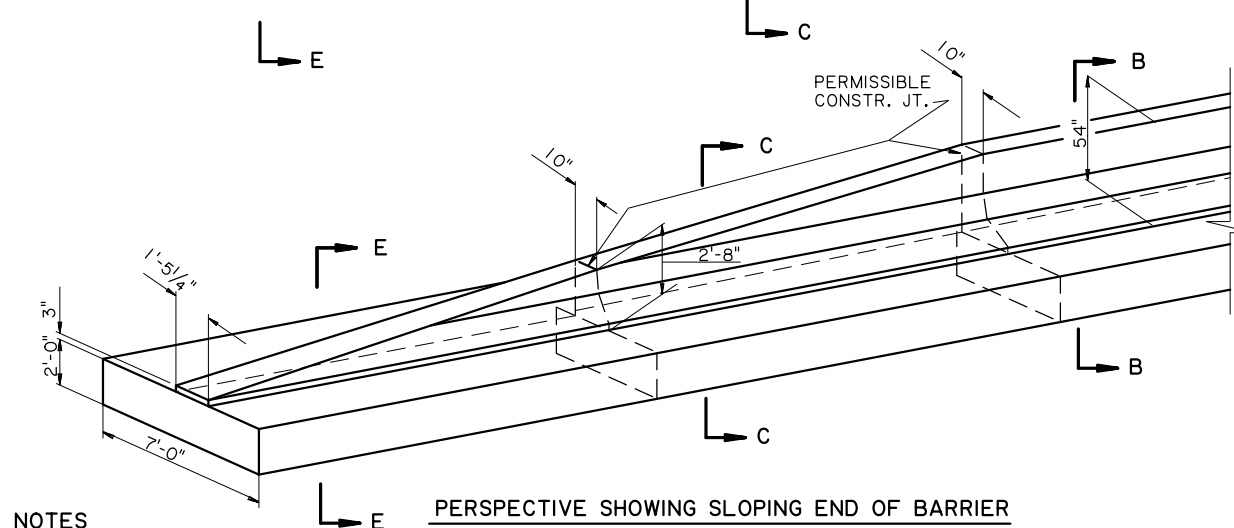
SECTION A - A



## PLAN



ELEVATION



PERSPECTIVE 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  
1/2" 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.

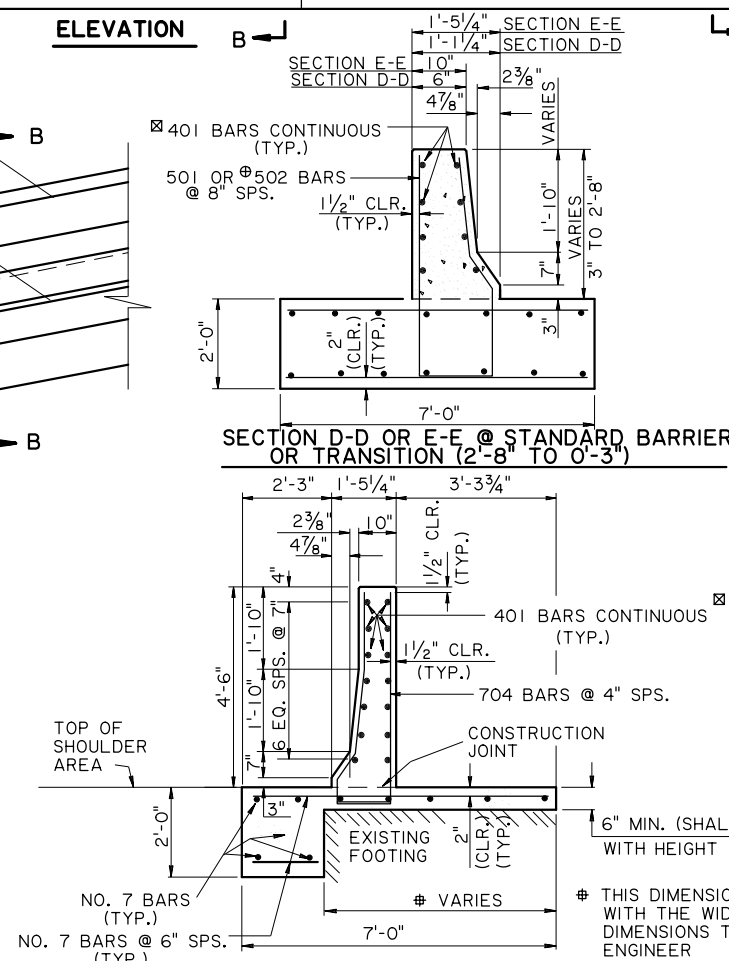
SEE SHEET 5 OF 8 FOR OTHER PIER PROTECTION SYSTEM NOTES.

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

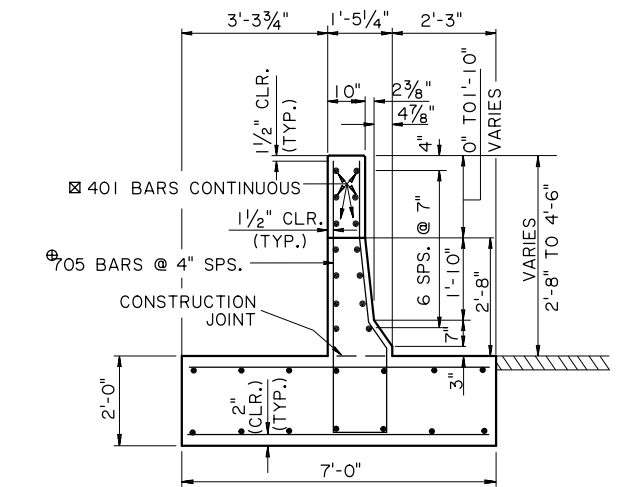
⊕ THESE REBAR DIMENSIONS VARY AND SHALL BE ADJUSTED & FABRICATED TO FIT IN THE TRANSITION AREA.

THIS STANDARD PLAN SHALL BE USED IN CONJUNCTION WITH STANDARD PLAN GR-200  
SEE STANDARD DETAIL BR-01 FOR FURTHER STD. BARRIER AND REINFORCING DETAIL  
INFORMATION.

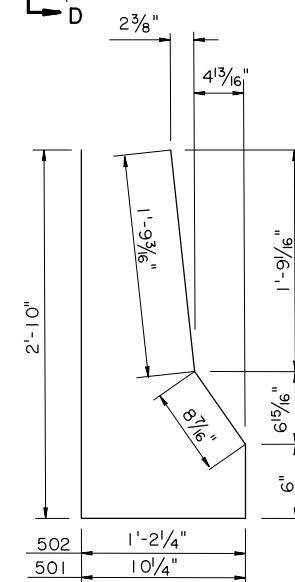
☒ 401 BAR WILL TERMINATE IN TRANSITION SECTION WITH 1 1/2" REQUIRED BAR CLEARANCE



BARRIER RAILING SECTION AT EXISTING COLUMN &amp; FOOTING

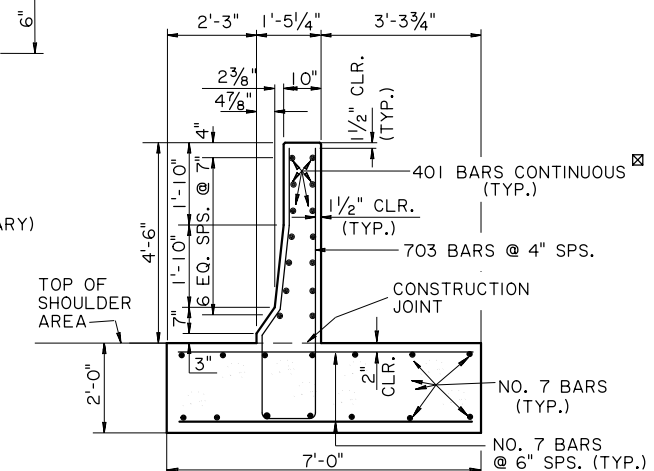


SECTION C-C @ TRANSITION BARRIER (2'-8" TO 4'-6")



501 & 502

(2 1/2"  $\Phi$  PIN)  
(502 BAR DIMENSIONS VARY)



SECTION B-B @ 4'-6" BARRIER

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