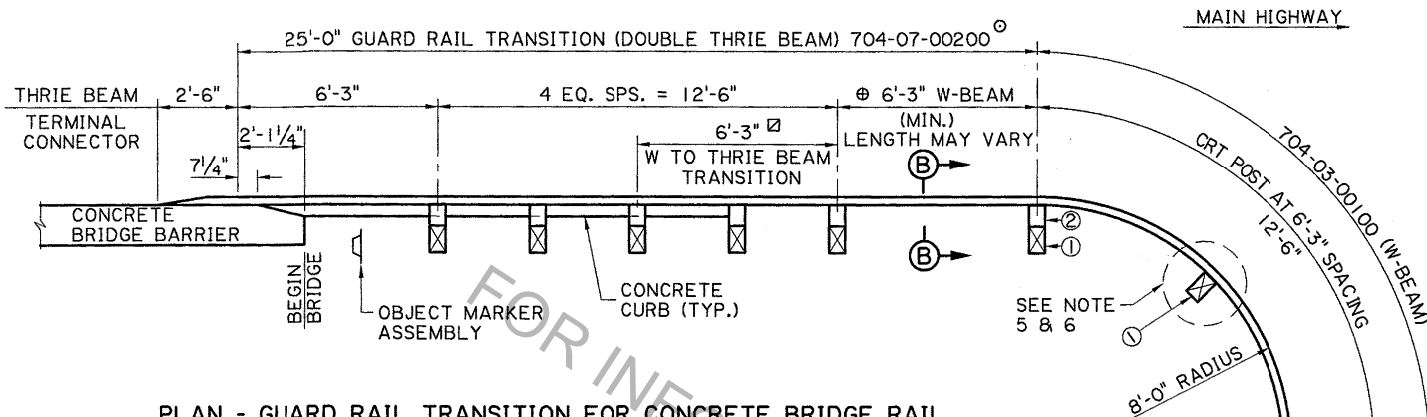
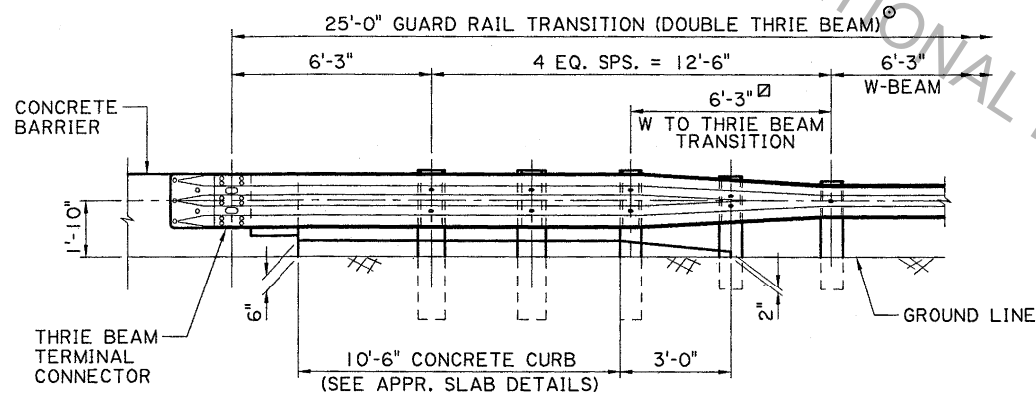




PLAN - GUARD RAIL TRANSITION FOR CONCRETE BRIDGE RAIL

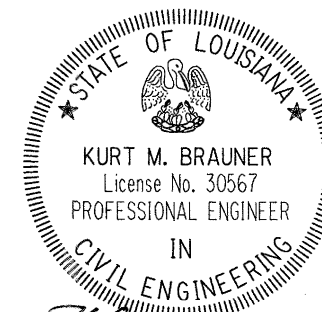


ELEVATION

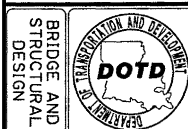
WOOD POST AND BLOCKOUT DIMENSIONS	
NO.	SIZE (WxDxLENGTH)
①	6" x 8" x 6'-0" (CRT) POST
②	6" x 8" x 1'-2" BLOCKOUT
③	6" x 8" x 6'-0" POST

- ☑ SEE W TO THRIE BEAM TRANSITION ON SHEET 2 OF 5.
- ⊕ LENGTH OF W-BEAM SECTION MAY BE INCREASED TO MEET SITE CONSTRAINTS (MAINTAIN 6'-3" MIN. POST SPACING)
- TRANSITION SHALL BE AS SHOWN IN THE STANDARD PLANS FOR HIGHWAY GUARD RAIL (MASH) EXCEPT AS NOTED.

SIDE ROADWAY, DRIVEWAY, OR SERVICE ROAD



K. Brauner
1/22/19



GUARD RAIL LAYOUT FOR T-INTERSECTIONS

FOR USE WITH HIGHWAY GUARD RAIL (MASH)

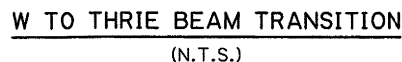
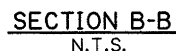
BD.2.6.4.1.22



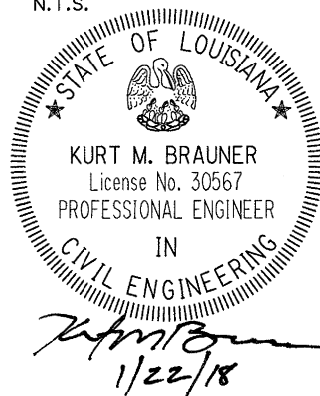
NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY

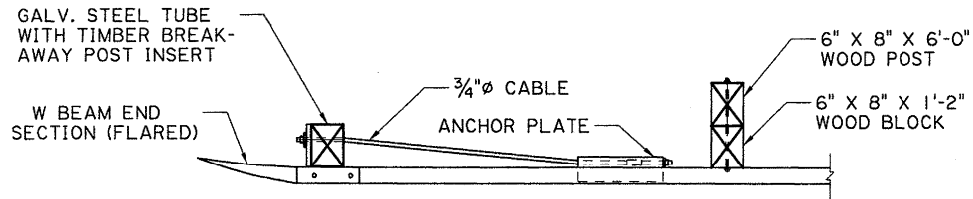
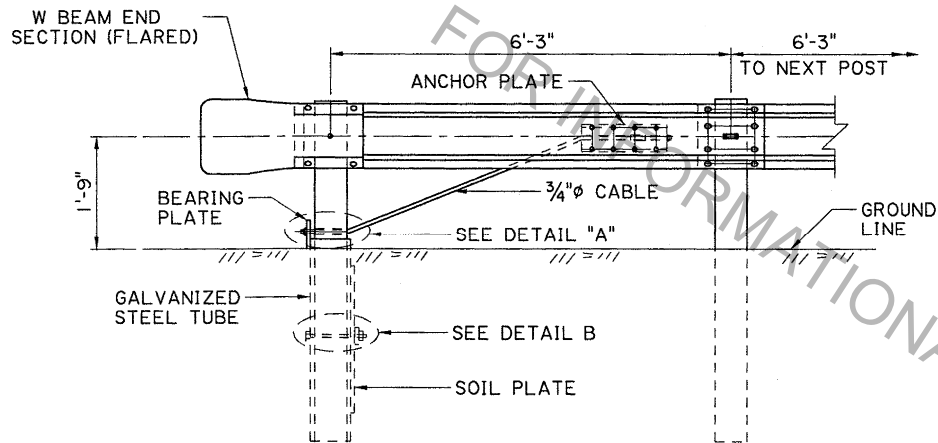
DESIGNED	P. FOSSIER	PARISH	
CHECKED	K. BRAUNER	CONTROL SECTION	
REVIEWED	C. GUIDRY	STATE PROJECT	
SERIES #	1 OF 5		

SHEET NUMBER

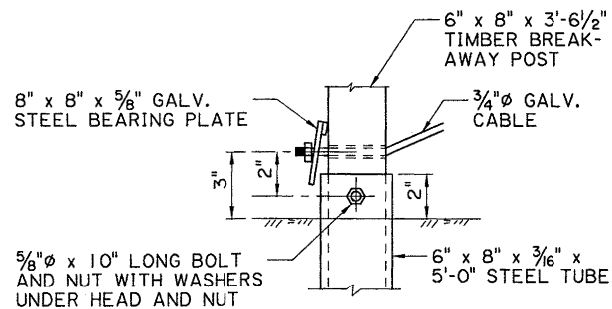


1. THIS DETAIL SHALL NOT BE USED ON NHS ROUTES.
2. A DESIGN WAIVER IS REQUIRED TO USE THIS DETAIL.
3. THIS DETAIL SHALL BE USED ALONG WITH THE STANDARD PLANS FOR HIGHWAY GUARD RAIL (MASH) EXCEPT AS SHOWN.
4. THE USE OF THE W-BEAM TRAILING END SHALL BE LIMITED TO THE APPROACH ROADWAY SUCH AS A RESIDENTIAL OR BUSINESS DRIVEWAY OR OTHER SERVICE ROAD. IF THE APPROACH ROADWAY CARRIES NORMAL HIGHWAY TRAFFIC, A CRASHWORTHY NCHRP 350 GUARD RAIL END TREATMENT SELECTED FROM THE DOTD APPROVED MATERIALS LIST SHALL BE USED IN LIEU OF THE W-BEAM TRAILING END. (PAY ITEM 704-10-00100 OR 704-10-00200).
5. THE CURVED GUARD RAIL SECTION SHALL BE SHOP BENT.
6. THE RAIL IS NOT BOLTED TO THE CRT POST AT THE CENTER OF THE NOSE AS SHOWN.
7. NO WASHERS ARE USED ON THE $\frac{5}{8}$ " ϕ BUTTON HEAD BOLTS CONNECTING THE RAIL TO THE CABLE RELEASE TERMINAL (CRT) POSTS.
8. BOLTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 307 AND NUTS TO THE REQUIREMENTS OF ASTM A 563, GRADE A OR BETTER, AND BE GALVANIZED IN ACCORDANCE WITH ASTM A 153.
9. ALL ANGLES, CHANNELS AND PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 36 AND STRUCTURAL TUBING TO ASTM A 500. WELDING SHALL MEET THE CURRENT REQUIREMENTS OF THE ANSI/AASHTO/AWS, BRIDGE WELDING CODE. ALL STRUCTURAL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 123. NO PUNCHING, DRILLING, CUTTING OR WELDING WILL BE PERMITTED AFTER GALVANIZING.
10. THE WOOD BREAKAWAY POST SHALL BE S4S TIMBER WITH A STRESS GRADE OF 1200 PSI AND SHALL BE GRADE MARKED OR CERTIFIED BY A RECOGNIZED ASSOCIATION OR AGENCY WHICH IS CERTIFIED BY THE BOARD OF REVIEW, AMERICAN LUMBER STANDARDS COMMITTEE, TO GRADE THE SPECIES.
11. WOOD POST AND BLOCKS SHALL BE TREATED IN ACCORDANCE WITH SECTION 1014 OF DOTD STD. SPECIFICATIONS.
12. THE SLOPE IN FRONT OF THE INSTALLATION SHALL NOT EXCEED 10H:1V.
13. TOP OF GUARD RAIL TO BE INSTALLED 27" ABOVE GROUND LINE.
14. RAIL SPLICES SHALL BE AT THE POSTS.

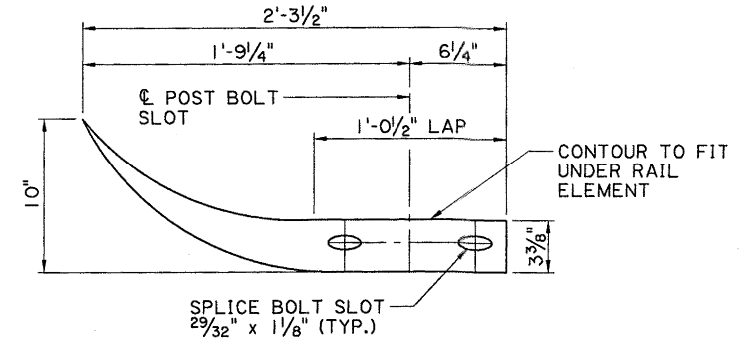


**PLAN****ELEVATION****W BEAM TRAILING END**

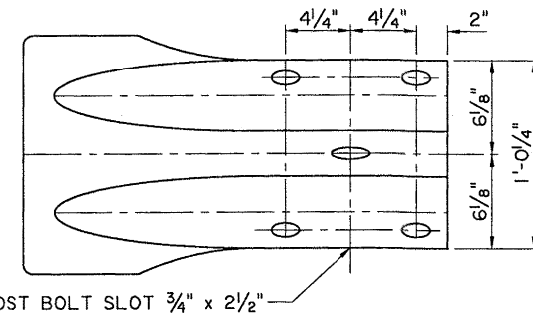
N.T.S.

**DETAIL "A"**

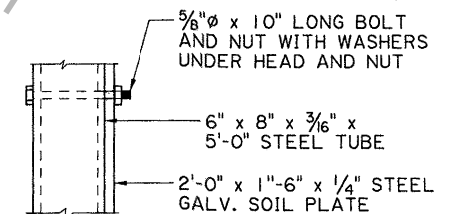
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**PLAN**

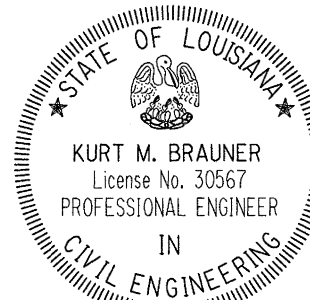
N.T.S.

**ELEVATION**

N.T.S.

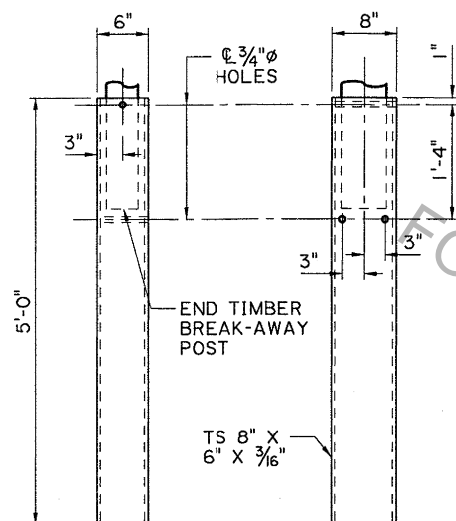
W BEAM END SECTION (FLARED)**DETAIL "B"**

N.T.S.

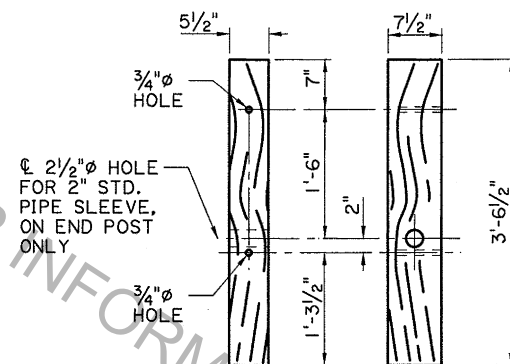


Kurt M. Brauner
1/22/18

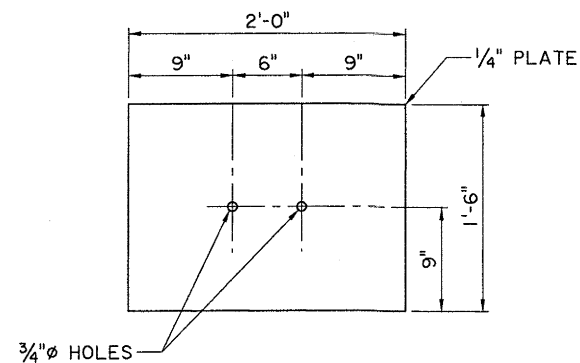
	GUARD RAIL LAYOUT FOR T-INTERSECTIONS FOR USE WITH HIGHWAY GUARD RAIL (MASH) BD.2.6.4.1.24			NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY	DESIGNED P. FOSSIER K. BRAUNER	PARISH	SHEET NUMBER
	DETAILED CHECKED K. BRAUNER P. FOSSIER	CONTROL SECTION								
	REVIEWED C. GUIDRY	STATE PROJECT								
	SERIES #	3 OF 5								



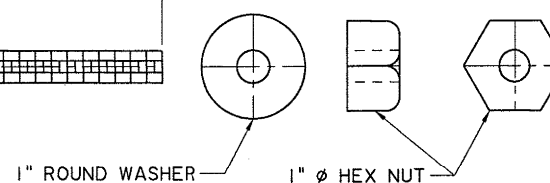
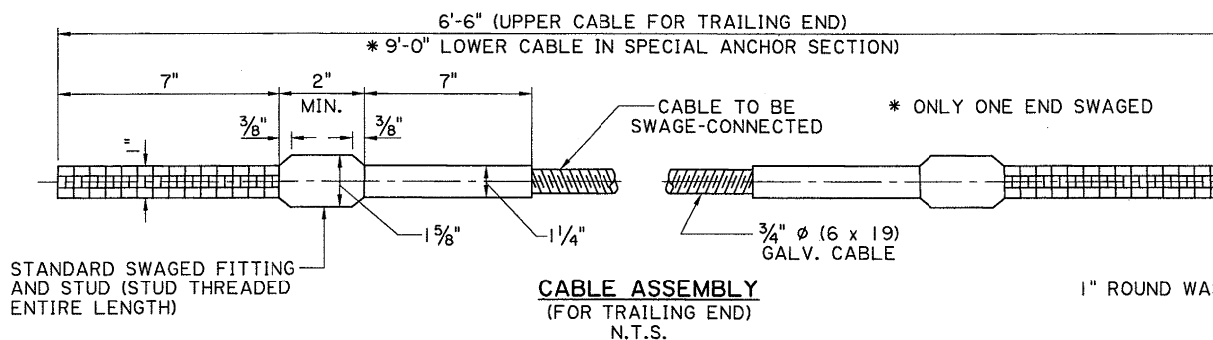
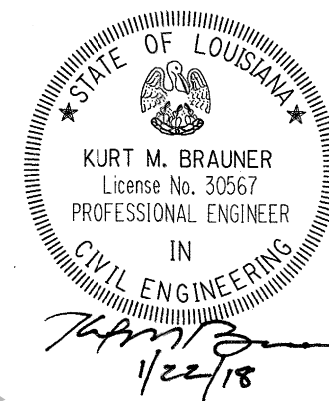
GALVANIZED STEEL TUBE
N.T.S.



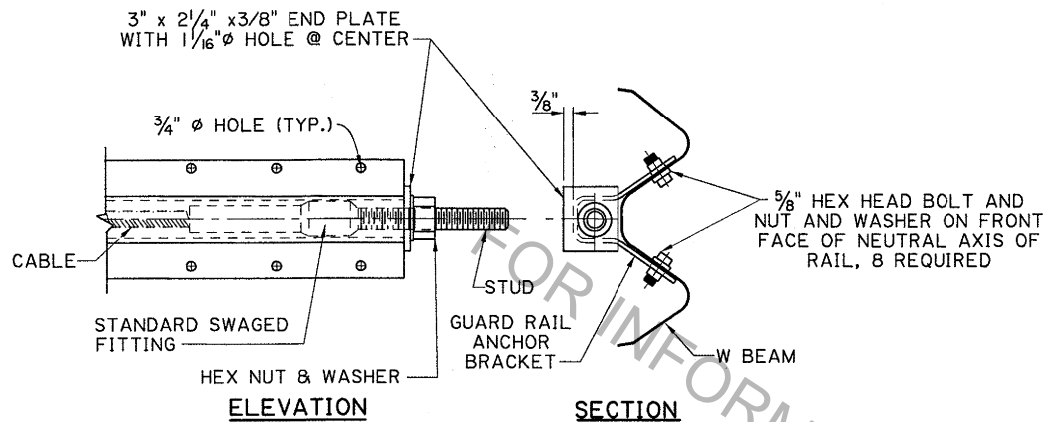
TIMBER BREAK-AWAY POST
N.T.S.



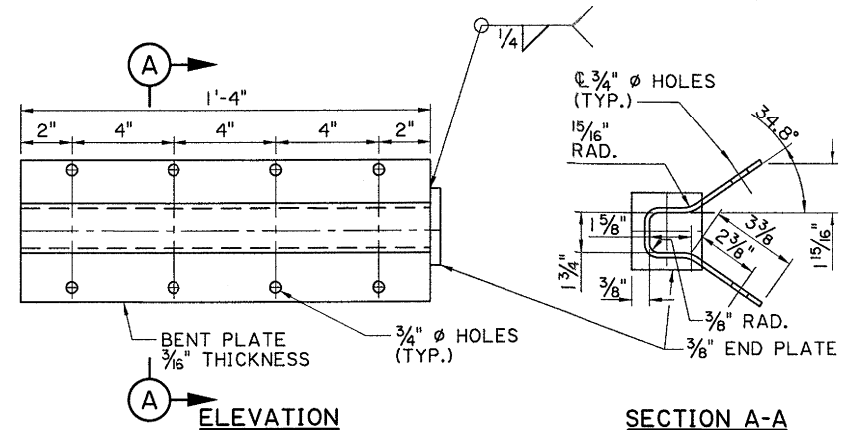
GALVANIZED SOIL PLATE
N.T.S.



	GUARD RAIL LAYOUT FOR T-INTERSECTIONS FOR USE WITH HIGHWAY GUARD RAIL (MASH) BD.2.6.4.1.25			NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY	DESIGNED CHECKED P. FOSSIER K. BRAUNER	PARISH	SHEET NUMBER
	DETAILED CHECKED K. BRAUNER P. FOSSIER	CONTROL SECTION								
	REVIEWED C. GUIDRY	STATE PROJECT								
	SERIES #	4 OF 5								

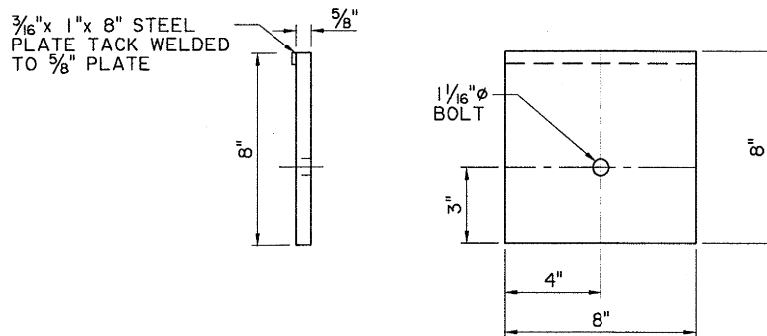


ELEVATION-BRACKET & FITTING
 N.T.S.

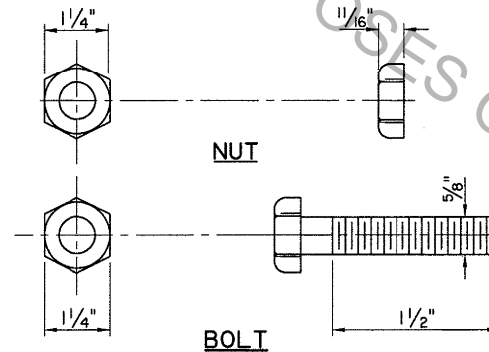


GUARD RAIL ANCHOR PLATE
 N.T.S.

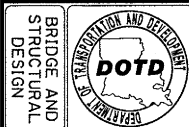
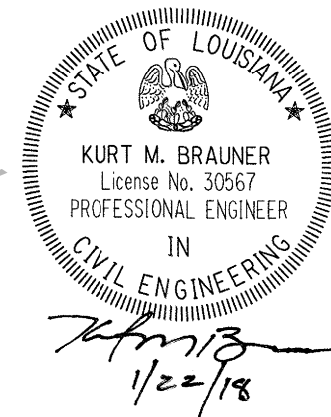
ANCHOR PLATE ASSEMBLY DETAILS
 (FOR TRAILING END)



GALVANIZED STEEL BEARING PLATE
 N.T.S.



5/8" Ø HEX BOLT & HEX NUT
 (FOR FASTENING THE ANCHOR PLATE TO RAIL OR POST)
 N.T.S.



GUARD RAIL LAYOUT FOR T-INTERSECTIONS

FOR USE WITH HIGHWAY GUARD RAIL (MASH)

BD.2.6.4.1.26



NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY

DESIGNED	P. FOSSIER	PARISH	
CHECKED	K. BRAUNER	CONTROL SECTION	
DETAILED	K. BRAUNER	STATE PROJECT	
CHECKED	P. FOSSIER		
REVIEWED	C. GUIDRY		
SERIES #	5 OF 5		

SHEET
NUMBER