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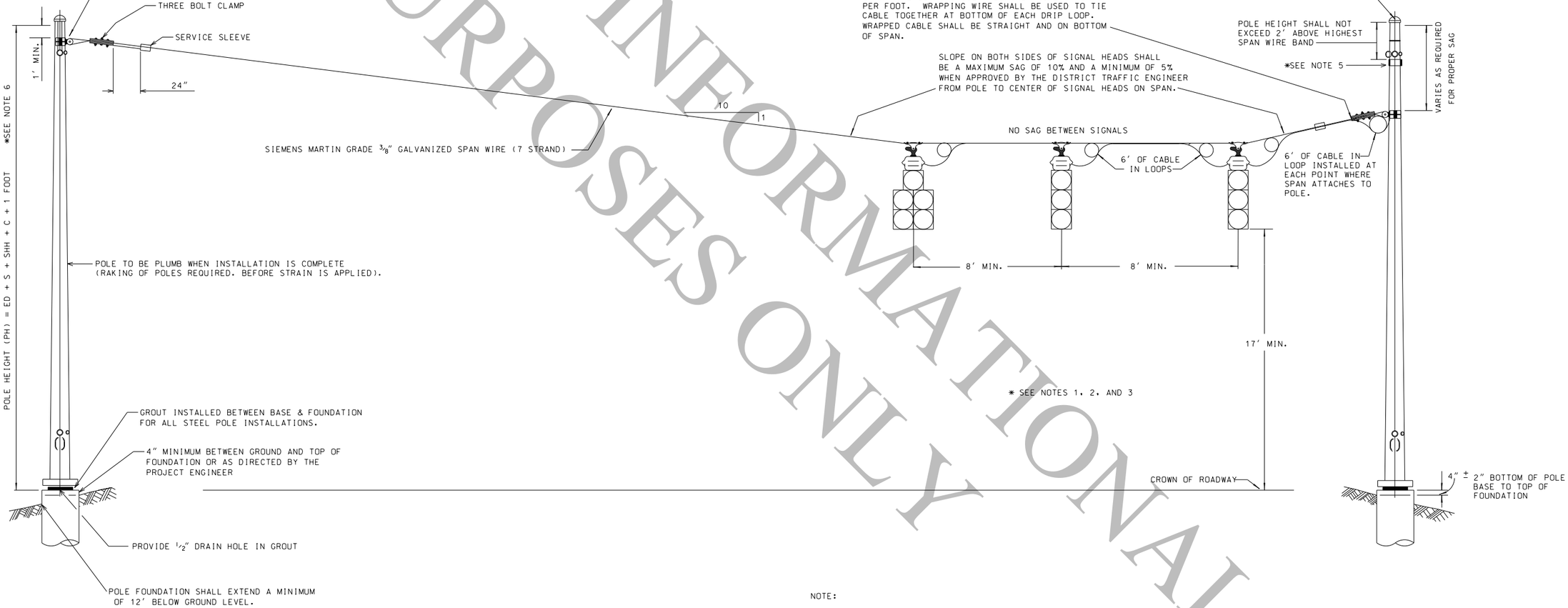
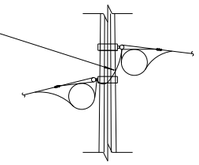
SPAN WIRE SIGNAL INSTALLATION

STEEL POLE INSTALLATION SHOWN. ALSO APPLIES TO WOOD POLE INSTALLATION.

LEGEND:
ED - ELEVATION DIFFERENCE BETWEEN ROADWAY & GRADE AT POLE BASE
S - SAG AS ILLUSTRATED
SHH - SIGNAL HEAD HEIGHT + SPAN WIRE ATTACHMENT AND DISCONNECT HANGER
C - REQUIRED. CLEARANCE 17' OR AS SPECIFIED
PH - POLE HEIGHT



ATTACH SIGNAL CABLE TO POLE WHEN POLE BANDS ARE MORE THAN 18" APART. USE NONCONDUCTING MATERIAL. HEAVY DUTY TIE WRAP SHALL BE 1/2" WIDE, SELF-LOCKING, ULTRA VIOLET, AND WEATHER RESISTANT. EXCESS WRAP MATERIAL SHALL BE TRIMMED.



ATTACH SIGNAL CABLE TO SPAN ON BOTH SIDES OF LOOP.

NOTE:

1. REFER TO THE PLANS FOR SIGNAL HEAD TYPE, NUMBER AND PLACEMENT.
2. ALL SIGNAL HEADS SHALL BE 17' MINIMUM HEIGHT. FOR MAXIMUM HEIGHT, REFER TO THE MUTCD CURRENT ADOPTED EDITION.
3. SIGNAL HEADS FOR PRIMARY MOVEMENT ON SPECIFIC APPROACH SHALL BE CENTERED OVER APPROACH. TURN LANE HEADS SHALL BE PLACED WITH ADEQUATE SPACING FROM LEFT MOST PRIMARY HEAD.
4. SIGNAL CABLE SHALL ENTER POLE BY WIRE WAY PROVIDED ON POLE. WEATHER HEAD SHALL BE SIZED ACCORDING TO THE NUMBER OF CABLES IN 3" BOSS PROVIDED WITH NECESSARY REDUCERS.
5. A SEPARATE POLE BAND MAY BE REQUIRED TO ATTACH PERPENDICULAR SPAN TO POLE MEETING THE REQUIREMENTS FOR SIGNAL HEIGHT AND SAG.
6. IN ALL CASES, THE MAXIMUM STRAIN POLE HEIGHT SHALL BE USED TO MEET THE 17' SIGNAL HEIGHT BEFORE ANY FOUNDATION ADJUSTMENTS ARE MADE. ADJUSTMENTS TO THE FOUNDATION MUST BE APPROVED BY THE PROJECT ENGINEER.

FOR INFORMATIONAL PURPOSES ONLY

SHEET NUMBER

PARISH | CONTROL SECTION | STATE PROJECT

DESIGN S. MCCARROLL | CHECK D. LORIO | DETAIL S. MCCARROLL | CHECK L. WANG | REVIEW | SERIES # 2 OF 14

APPROVED BY CHIEF ENGINEER: DATE: Oct. 1, 2025

NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY

TRAFFIC SIGNAL DETAILS

SPAN WIRE INSTALLATION DETAILS

TSD-01

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

STANDARD PLAN