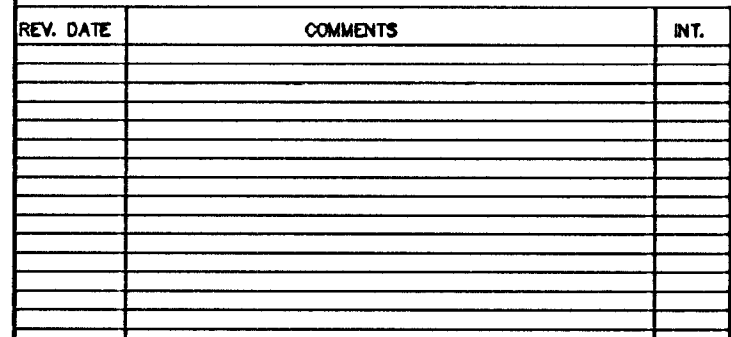
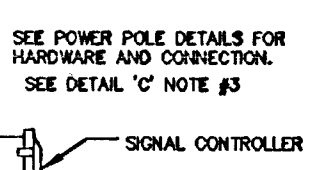


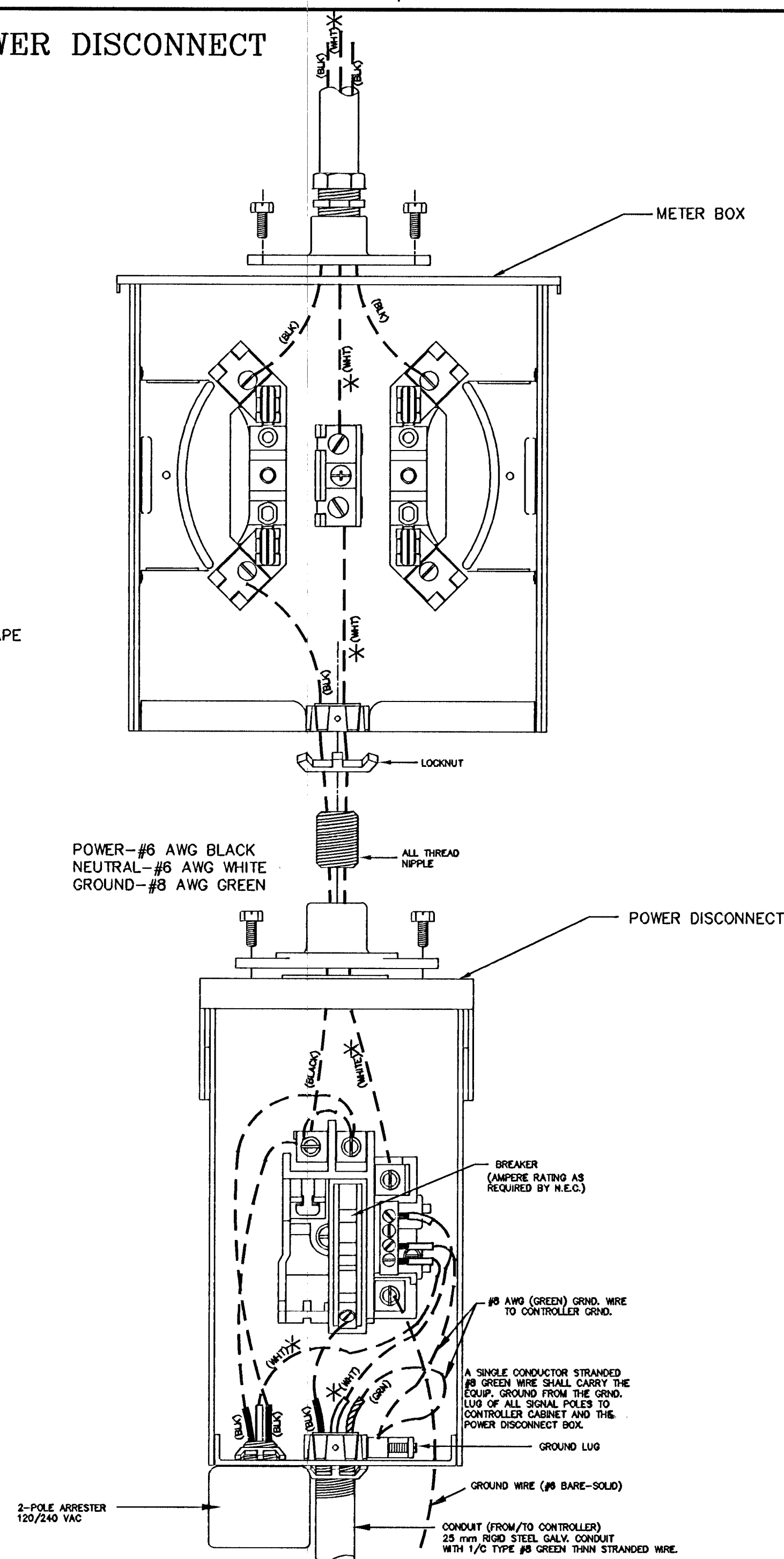
FHWA REGION NO.	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER	TOTAL SHEETS
7	KANSAS	87N-0080-01	1997	95	162



1. MAX. SAG = 5% OF SPAN.
2. STANDARD BACKRAKE = 1.5°
3. HEIGHT OF STRAIN WIRE HOOK—UP TO BE DETERMINED BY FIELD ENGINEER.
TRAFFIC SIGNAL CABLE TO BE SECURED TO STRAIN (SPAN) WIRE WEATHERABLE NYLON CABLE HANGERS (300 mm CTR.) DETAIL 'B'
4. TETHER CLAMP TO BE DESIGNED TO RELEASE UNDER 'HIGH WIND LOAD' TO PERMIT SIGNAL 'FREE SWING'.



*
TO BE MARKED WITH WHITE TAPE



NOTE: SEE STEEL POLE
ASSTY DETAIL SHEET FOR
STRAIN POLE BASE DETAILS

STRAIN AND TETHER WIRE:
GALV. GUY STRAND (7-19W)
8 mm (5300 g/TEST) WEIGHT
PER 1000' @ 205

CABLE EXIT
MULTI-CONDUCTOR SIGNAL CABLE

THIMBLE EYE HUT (GALV.)
ASSEMBLY

STRAIN CLAMP

STRAIN WIRE (8 mm)

3-BOLT GUY CLAMP

BLACK WEATHERABLE NYLON TIE WRAP CABLE TIES (CLIP EXCESS STRAP)

8 mm STRAIN WIRE

CABLE SADDLE CLAMP

MULTI-CONDUCTOR SIGNAL CABLE WIRE ENTRANCE/BALANCE ADJUST CIRCUIT QUICK-DISCONNECT HANGER

TOP BRACKET (FOR SIGNAL ASSY)

BOTTOM BRACKET

8 mm TETHER WIRE

3-BOLT QTY CLAMP (NOTE WTB. TO BOTTOM BRACKET)

SIGNAL FASTER ASSY.

DRILL: 12 mm HOLE EXTRA LENGTH BOLT

Diagram illustrating the application of a steel strain pole, showing various hardware components and their connections:

- BACK PLATE
- JAM NUT
- GALV. THIMBLE EYE NUT
- 3-BOLT OUT CLAMP
- SEE NOTE 1
- GALV. THIMBLE EYE BOLT
- FRONT PLATE
- STRAIN WIRE
- POWER LINES (120 VAC)
- WEATHERHEAD/JAM (FOR POWER LINES)
- 2-HOLE (METAL) CLAMP
- WEATHERHEAD/JAM (FOR MULTI-CONDUCTOR SIGNAL CABLE)
- 2-HOLE (METAL) CLAMP

NOTE:

1. GALV. THIMBLE EYE ANCHOR BOLT AND EXPANDING ANCHOR (NOT SHOWN) TO STABILIZE WOOD POLE (WHERE APPLICABLE)
2. ANY COMBINATION OF ROUND/THIMBLE EYE BOLTS AND NUTS MAY BE UTILIZED - AS APPLICATION MAY VARY. FIELD ENGINEER TO DETERMINE TYPE OF HARDWARE USED.
3. HARDWARE SHOWN IS TRANSFERABLE TO STEEL POLE IN WHOLE OR PART WHERE STEEL STRAIN POLE IS USED. (POWER SIGNAL CABLES, WIRES, ETC.) FIELD ENGINEER TO MAKE DETERMINATION. STEEL STRAIN POLE APPLICATIONS MAY VARY AS TO MOUNTING ON POLE. USE OF CLAMPS, BANDED BRACKETS, ETC. ARE STD. - FIELD ENGINEER TO DETERMINE BEST TYPE APPLICATIONS.

DRAWN BY: TM DATE: Feb. 96	APPROVED BY	REVISED: DATE:
CITY OF WICHITA DEPARTMENT OF PUBLIC WORKS		
TRAFFIC ENGINEERING DIVISION WM. G. MCKINLEY, TRAFFIC ENGINEER		SCALE NO SCALE