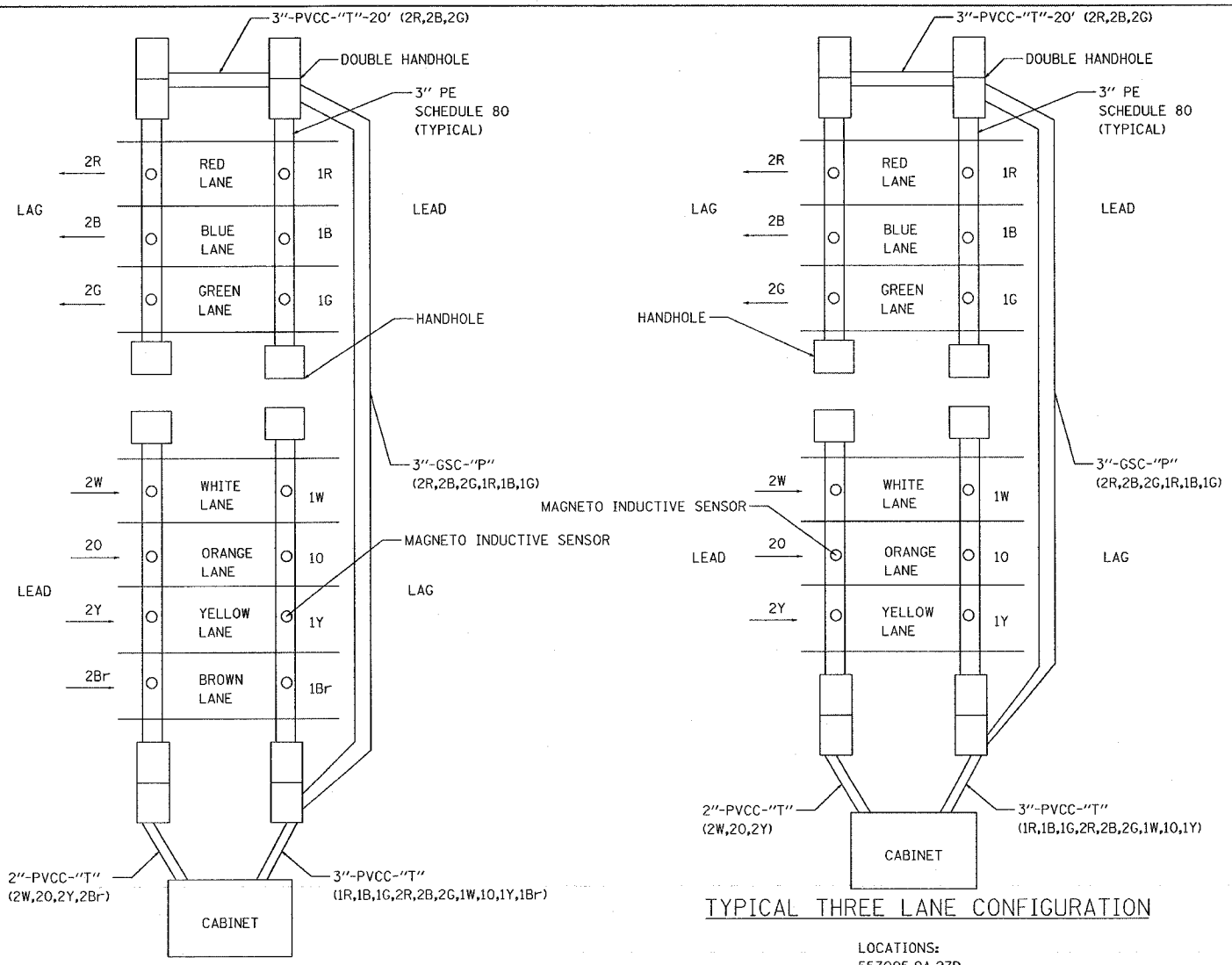


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
..	25	9
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	****	
	FAI 55/70		CONTRACT# 76966	
	DIST 8 ITS 2006-1			
	MADISON & ST. CLAIR			

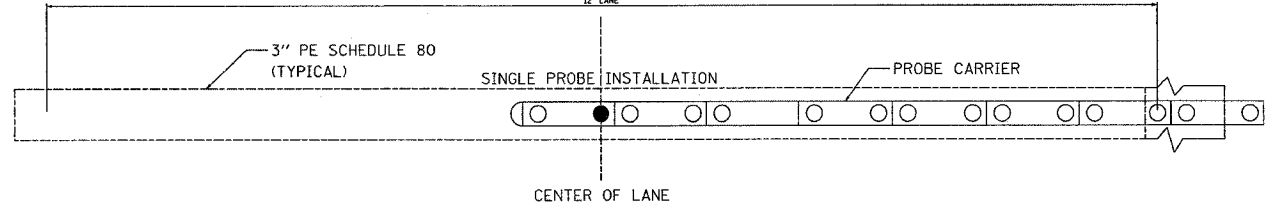


TYPICAL THREE LANE CONFIGURATION

- LOCATIONS:
557005.9A.27D
557007.0A.28D
557008.0A.29D

TYPICAL THREE-FOUR LANE CONFIGURATION

LOCATION:
557009.1A.30D



- - INSTALLED PROBE
○ - EMPTY PROBE CARRIERS

NOTES:

THE COLOR INDICATING THE LANE IS THE COLOR OF THE TAPE. 1R IS ONE WRAP OF RED TAPE. 2B IS TWO WRAPS OF BLUE TAPE.

PROBE SHALL BE POSITIONED AT CENTER OF EACH LANE. EXACT POSITIONING AND CONFIGURATION TO BE DETERMINED BY MANUFACTURER'S FIELD REPRESENTATIVE.

SUFFICIENT NUMBER OF CARRIERS TO BE INSTALLED TO COVER THE DISTANCE FROM THE HANDHOLE TO THE FARTHEST PROBE. FIRST CARRIER INSERTED SHALL BE END CAP CARRIER.

ANY DEVIATION IN CONDUIT ALIGNMENT SHALL BE LESS THAN 1/4" PER FOOT.

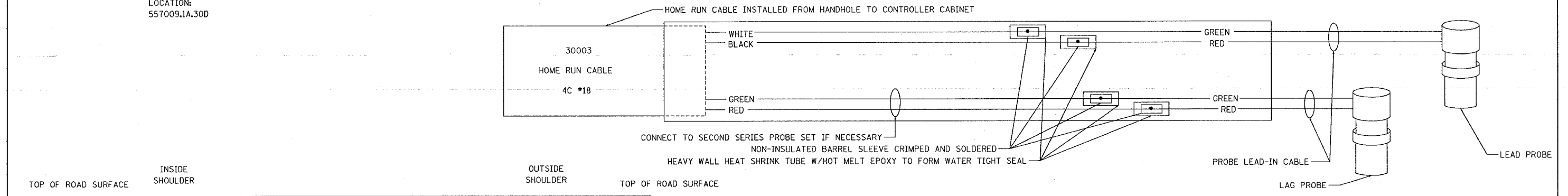
CONDUIT END CAP TO BE PRESS FITTED (NO ADHESIVE). 3/16" DRAINAGE HOLE TO BE DRILLED IN END CAP. HOLE TO BE POSITIONED AT BOTTOM.

CONDUIT TO EXTEND APPROXIMATELY 3" INTO HANDHOLE.

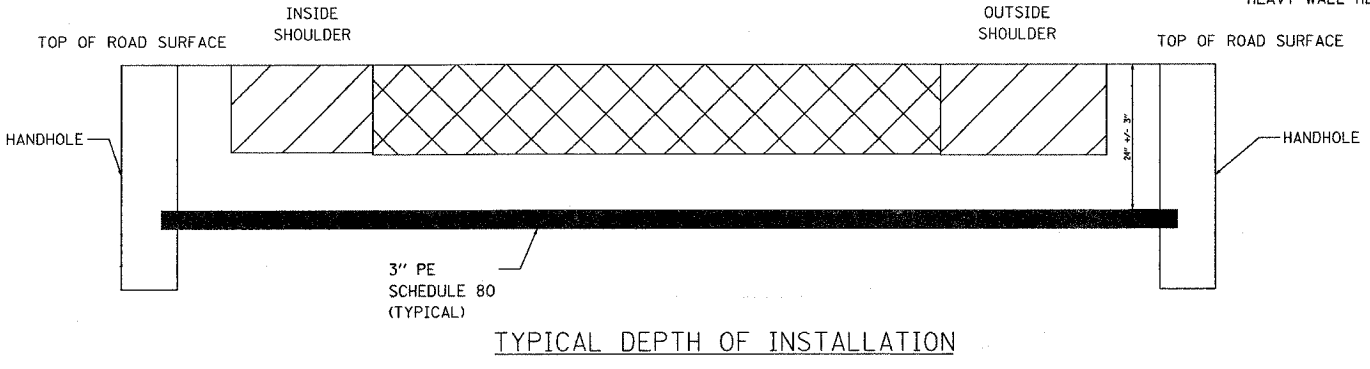
LEAD PROBES SHALL USE ODD CHANNELS AND HAVE B/W WIRES; LAG PROBES SHALL USE EVEN CHANNELS AND HAVE R/G WIRES. CHANNELS SHALL BE USED IN INCREASING ORDER BEGINNING WITH LANE 1 OF NEAR LANES AND ENDING WITH OUTER-MOST LANE OF FAR LANES.

CONTRACTOR SHALL FINISH INSTALLATION WITH LANDSCAPE FABRIC INSTALLED OVER CONDUIT END IN HANDHOLE. FABRIC SHALL PERMIT WATER TO SEEP THROUGH BUT RESTRICT DIRT FROM ENTERING CONDUIT.

TYPICAL DEPTH OF PROBE CONDUIT SHOULD BE 24" OR JUST BELOW THE STRUCTURAL SECTION.



**TYPICAL SINGLE MAGNETO-INDUCTIVE VEHICLE SENSOR SERIES SPLICING DETAIL
CONDUIT-BASED VEHICLE DETECTION SYSTEM**



TYPICAL DEPTH OF INSTALLATION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
MAGNETO-INDUCTIVE
VEHICLE SENSOR DETAIL
FAI 55/70
SECTION DIST 8 ITS 2006-1
MADISON AND ST. CLAIR COUNTY

SCALE: DATE 05/02/05 DRAWN BY MAM CHECKED BY CAF

DRAWN BY: MAM
CHECKED BY: CAF
DATE: 05/02/05
PROJECT: FAI 55/70 DIST 8 ITS 2006-1
SECTION: MADISON AND ST. CLAIR COUNTY