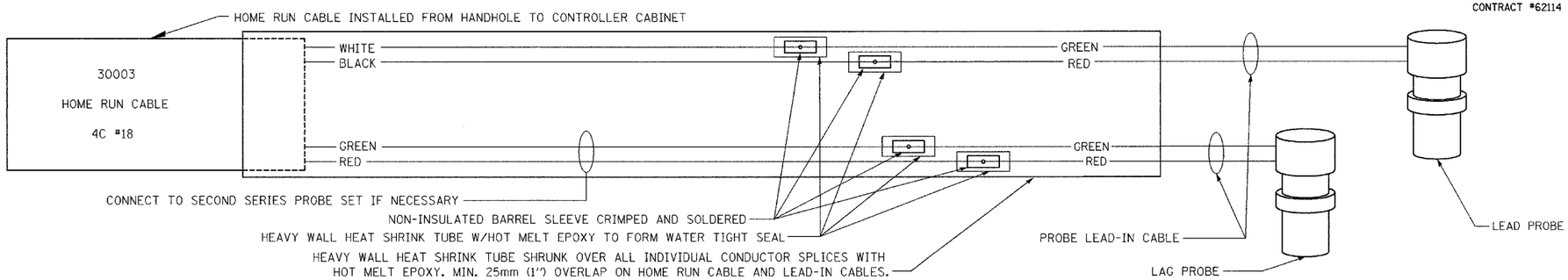
ALL DIMENSIONS IN METERS EXCEPT PAY ITEMS AND UNLESS NOTED OTHERWISE.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	2626.2-R-2	COOK	1207	488B
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT #62114 INDOT DES. NO. 0100987



TYPICAL SINGLE MAGNETO-INDUCTIVE VEHICLE SENSOR SERIES SPLICING DETAIL

NOTES:

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

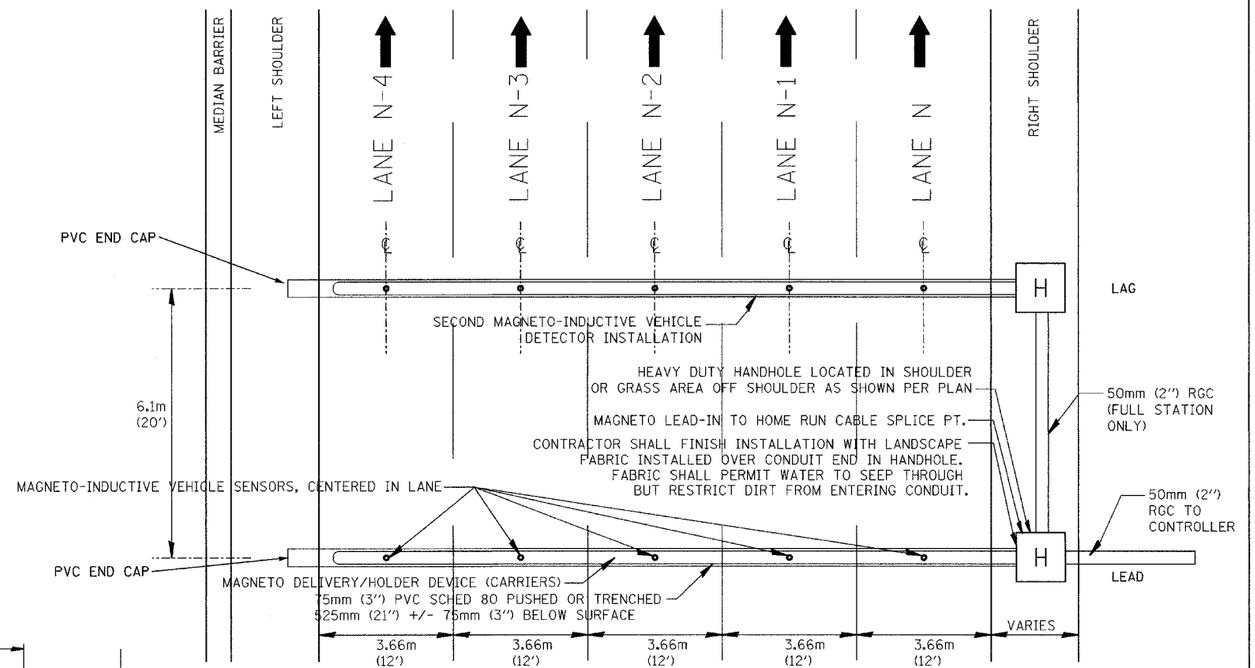
SUFFICIENT NUMBER OF CARRIERS TO BE INSTALLED TO COVER THE DISTANCE FROM THE HANDHOLE TO THE FARTHEST PROBE. FIRST CARRIER INSERTED SHALL BE END CAP CARRIER.

ANY DEVIATION IN CONDUIT ALIGNMENT SHALL BE LESS THAN 20mm PER METER.

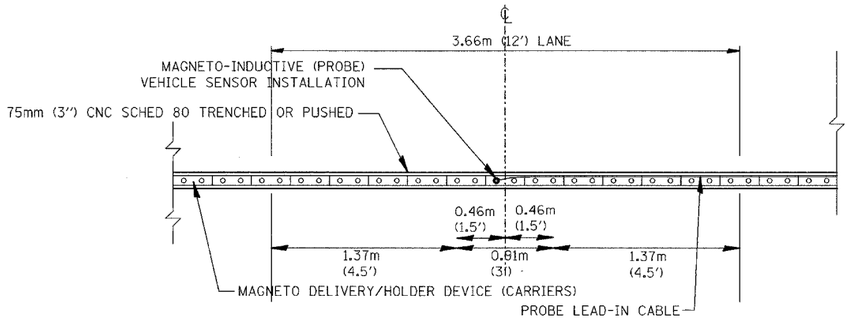
CONDUIT END CAP TO BE PRESS FITTED (NO ADHESIVE). 5mm (3/16"). DRAINAGE HOLE TO BE DRILLED IN END CAP. HOLE TO BE POSITIONED AT BOTTOM.

CONDUIT TO EXTEND APPROXIMATELY 75mm (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.



KINGERY-BORMAN TYPICAL MULTILANE LANE CROSS SECTION WITH NON-INVASIVE MAGNETO-INDUCTIVE VEHICLE SENSORS FULL STATION



KINGERY-BORMAN TYPICAL MAINLINE/MULTI LANE EXIT/MULTI LANE ENTR. 3.66m (12') WITH SINGLE MAGNETO-INDUCTIVE VEHICLE SENSOR (PROBE) INSTALLATION PER LANE

ELECTRICAL CONTRACT - FOR INFORMATION ONLY

SHEET 16B OF 16

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41
TYPICAL SINGLE MAGNETO-INDUCTIVE VEHICLE SENSOR
(FULL INSTALLATION/SPEED TRAP)

SCALE N.T.S. DRAWN BY JRH/MAP
DATE 03-10-04 CHECKED BY DEM/CMW

Burns & McDonnell SINCE 1898

MODIFIED - TRAFFIC SYSTEMS CENTER (TY-1TSC-418#16)