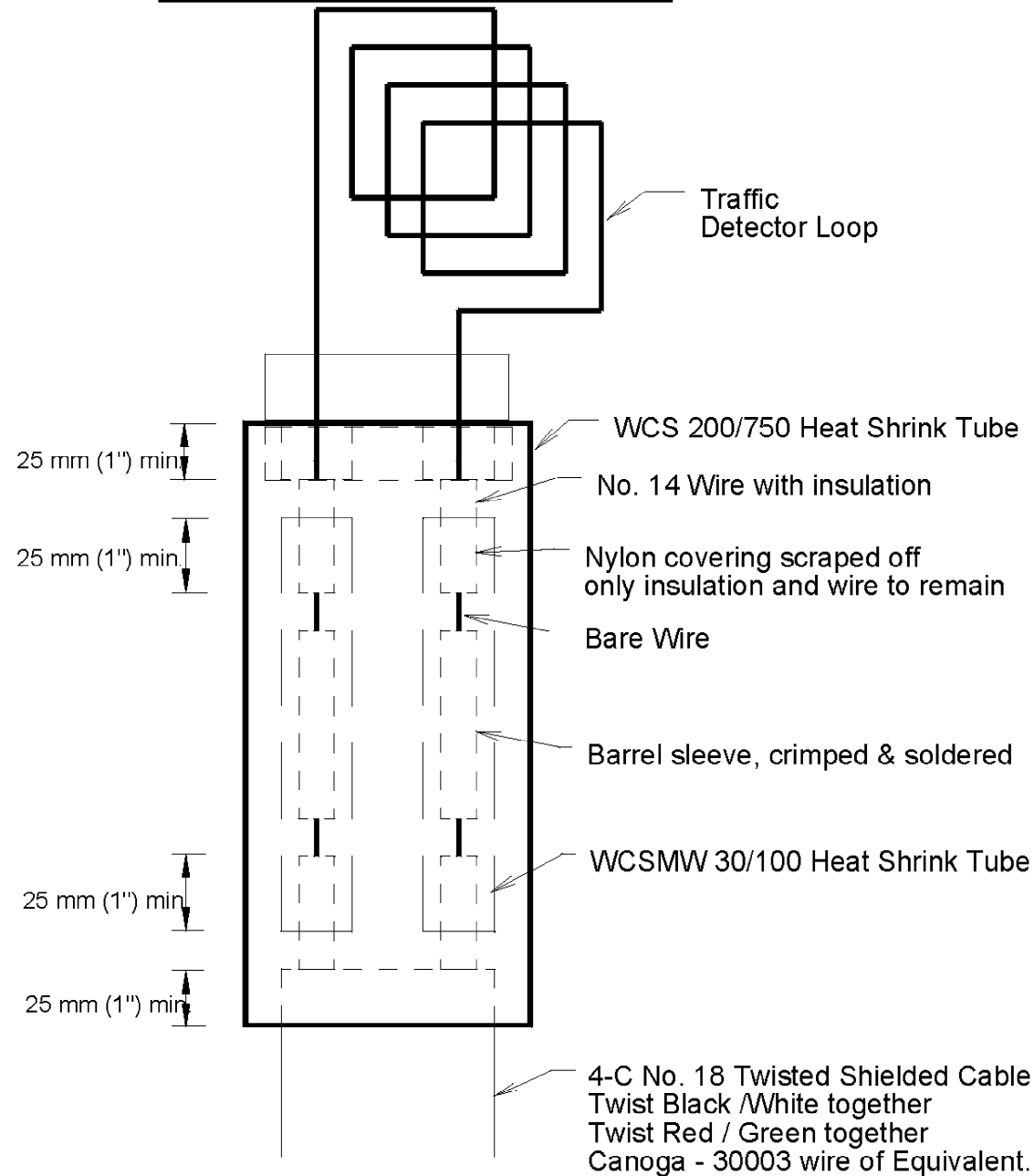


Loop Splicing Requirements

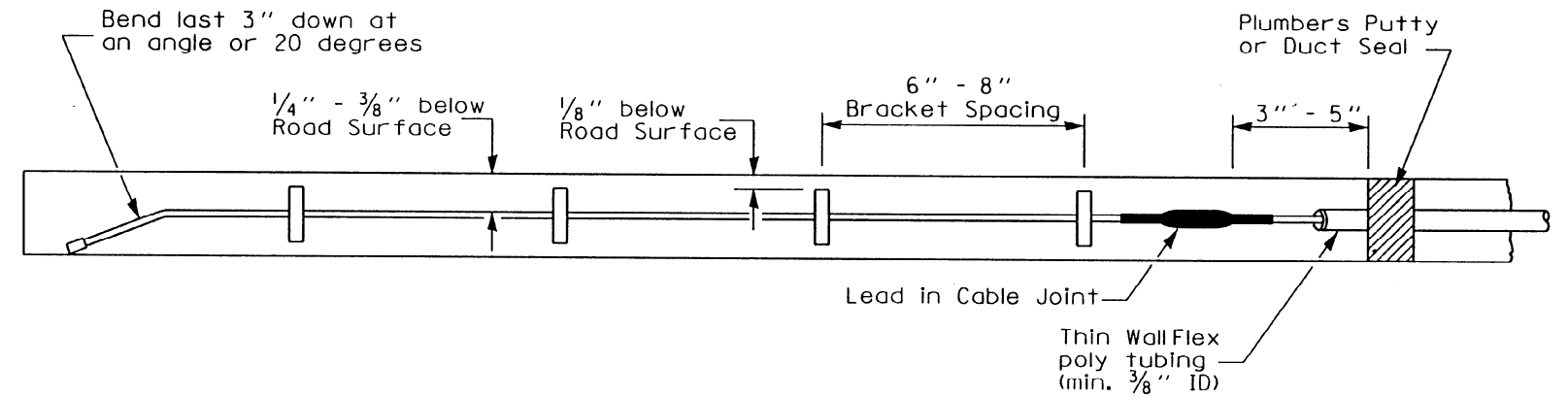


Minimum 25 mm (1") Heat Shrink Tube overlap on wire.
PVC & Shielded cable to form water tight seal.

Note: Not to Scale

REVISIONS		Illinois Department of Transportation Office of Planning and Programming			
Name	Date	Drawn By:	Checked By:	Date:	Scale:
		R. Taylor	R. Taylor	01/20/00	NONE

Piezo Detail



BILL OF MATERIALS			
CODE NO.	ITEM	UNIT	QUANTITY
81012400	CONDUIT IN TRENCH, 1 1/4" DIA., PVC	FOOT	120.0
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	90.0
81021570	CONDUIT, AUGERED 3" DIA., PVC	FOOT	92.0
81400200	HEAVY-DUTY HANDHOLE	EACH	4.0
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	210.0
86300300	CONTROLLER CABINET TYPE III	EACH	1.0
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3.5
88600100	DETECTOR LOOP, TYPE I	FOOT	312.0
X0300780	PIEZO ELECTRIC SENSOR CABLE IN CONDUIT	FOOT	580.0
X0323014	ELECTRIC CABLE IN CONDUIT, CONOGA-30003	FOOT	920.0
X0323015	PIEZO ELECTRIC AXLE SENSOR, CLASS II	FOOT	44.0
X0326860	SOLAR EQUIPMENT	EACH	1.0

NOTES:

- 1) THE LOCATION OF THE PROPOSED ATR 5150 SITE IS STATION 198+00. THE CONTROLLER CABINET AND SOLAR EQUIPMENT SHALL BE PLACED ON THE EAST SIDE OF I-55 NEAR THE RIGHT OF WAY LINE. IF FIELD CONDITIONS WARRANT, THE LOCATION OF THE ATR SITE MAY NEED TO BE MODIFIED TO ACCOMMODATE THE CONTROL CABINET AND FOUNDATION. THE FINAL LOCATION SHALL BE DETERMINED BY THE ENGINEER AND SHALL REMAIN IN CLOSE PROXIMITY OF THE MEDIAN CROSS OVER.
- 2) THE PIEZO ELECTRIC AXLE SENSOR LEAD-IN TO THE PAVEMENT IS INCLUDED IN THE PAY ITEM FOR DETECTOR LOOP, TYPE I
- 3) THE EXISTING TERMINAL FACILITY SHALL BE REMOVED AFTER THE INSTALLATION OF THE PROPOSED ATR 5150 SITE. THE REMOVAL OF THE TERMINAL FACILITY WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE ASSOCIATED PAY ITEMS LISTED IN THE BILL OF MATERIALS. THE REMOVAL PROCEDURES SHALL FOLLOW THE GUIDELINES AS SPECIFIED IN SECTION 845 OF THE STANDARD SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.
- 4) UPON COMPLETION OF THE INSTALLATION OF THE ATR SITE AND THE REMOVAL OF THE EXISTING TERMINAL FACILITY, THE EARTH DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE RETURNED TO ITS ORIGINAL STATE. ANY EARTHWORK OR SEEDING REQUIRED WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE ASSOCIATED PAY ITEMS IN THE BILL OF MATERIALS.

NOT TO SCALE

FILE NAME =	USER NAME = ppersonbr	DESIGNED - GAE	REVISED -
C:\pwork\PIWIDOT\PIERSONBR\d0176145\05	0847-sht-details.dgn	DRAWN - BBP	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/4/2010	DATE - 01/28/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL FOR ATR SITE NO. 5150

SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	MCLEAN	22	20
*(57-3-1,57-3,57-3-2,57-2)RS-1			CONTRACT NO. 70847	
ILLINOIS FED. AID PROJECT				