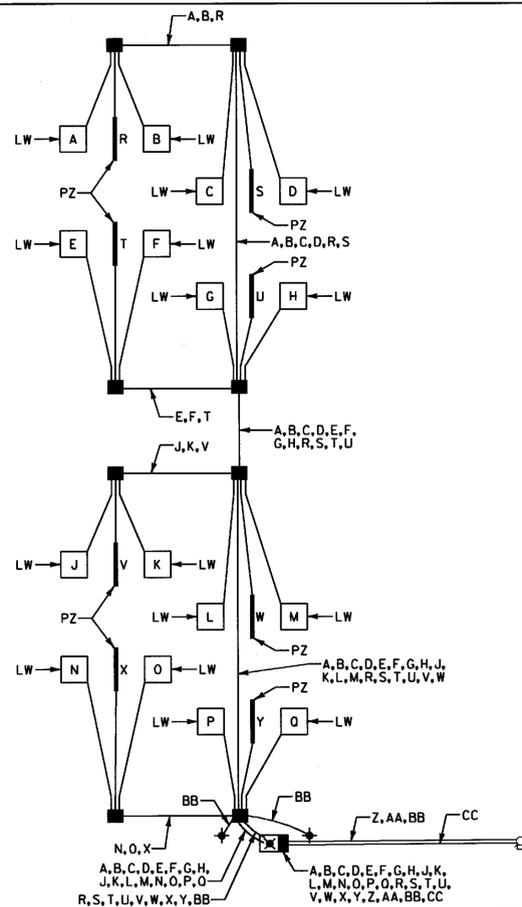


### EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

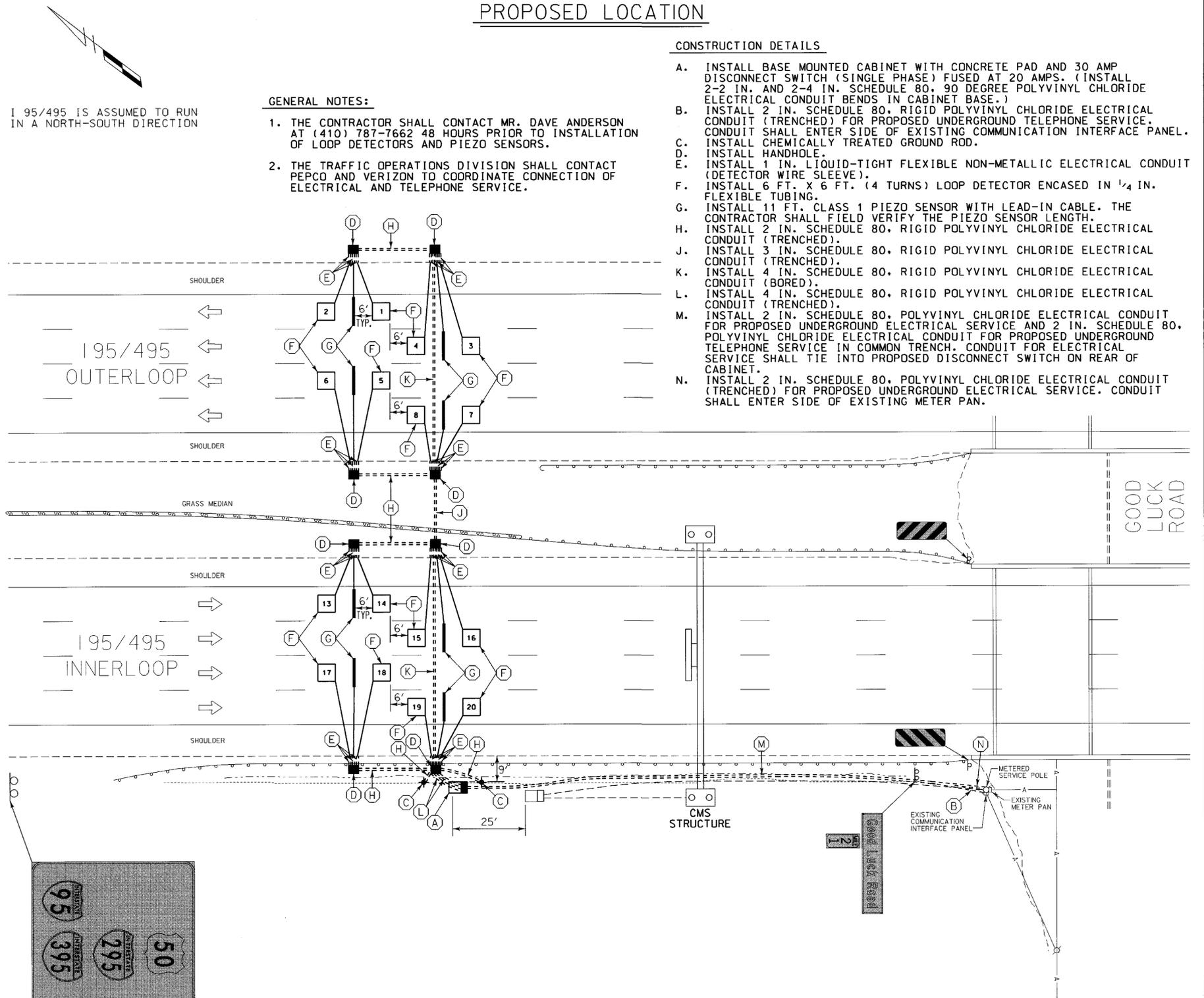
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2001	3 C.Y.	TEST PIT EXCAVATION
8001	2 C.Y.	FURNISH AND INSTALL CONCRETE FOR ATR FOUNDATION
8002	8 EACH	FURNISH AND INSTALL 9' - 12' PIEZO SENSOR CLASS 1
8003	50 L.F.	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8004	1 EACH	FURNISH AND INSTALL BASE MOUNTED CABINET
8005	2 EACH	FURNISH AND INSTALL CHEMICALLY TREATED GROUND RODS
8007	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
8008	1 EACH	REMOVE AND DISPOSE OF FOUNDATION 12 IN. BELOW GRADE
8009	600 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8010	50 L.F.	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8011	160 L.F.	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED
8013	250 L.F.	FURNISH AND INSTALL NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
8014	240 L.F.	FURNISH AND INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR WIRE SLEEVE
8016	500 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 1 CONDUCTOR NO. 8 A.W.G. - THHN/THWN
8017	8 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8019	1 EACH	FURNISH AND INSTALL GROUND ROD - 3/4 IN. X 10 FT. LENGTH
8020	2000 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
8021	2600 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN 1/4 INCH FLEXIBLE TUBING (NO. 14 A.W.G.)
8022	920 L.F.	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
NEG.	230 L.F.	FURNISH AND INSTALL 5 PAIR COMMUNICATION CABLE (NO. 22 A.W.G.)
NEG.	1 EA.	30 AMP DISCONNECT SWITCH (SINGLE PHASE) FUSED AT 20 AMPS

### WIRING DIAGRAM



- WIRING KEY**
- A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, BB, CC
  - 2-CONDUCTOR ELECTRICAL CABLE ALUMINUM SHIELDED (NO. 14 A.W.G.)
  - CLASS 1 PIEZO SENSOR LEAD-IN CABLE
  - 1-CONDUCTOR ELECTRICAL CABLE (NO. 8 A.W.G.)
  - STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
  - 5 PAIR COMMUNICATION CABLE (NO. 22 A.W.G.)
  - LW - LOOP WIRE (NO. 14 A.W.G.)
  - PZ - PIEZO SENSOR
  - + - CHEMICALLY TREATED GROUND ROD
  - X - 3/4 IN. X 10 FT. GROUND ROD

### PROPOSED LOCATION

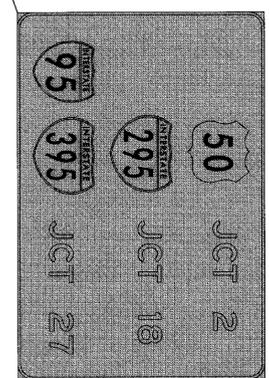


#### GENERAL NOTES:

- THE CONTRACTOR SHALL CONTACT MR. DAVE ANDERSON AT (410) 787-7662 48 HOURS PRIOR TO INSTALLATION OF LOOP DETECTORS AND PIEZO SENSORS.
- THE TRAFFIC OPERATIONS DIVISION SHALL CONTACT PEPCO AND VERIZON TO COORDINATE CONNECTION OF ELECTRICAL AND TELEPHONE SERVICE.

#### CONSTRUCTION DETAILS

- INSTALL BASE MOUNTED CABINET WITH CONCRETE PAD AND 30 AMP DISCONNECT SWITCH (SINGLE PHASE) FUSED AT 20 AMPS. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE.)
- INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. CONDUIT SHALL ENTER SIDE OF EXISTING COMMUNICATION INTERFACE PANEL.
- INSTALL CHEMICALLY TREATED GROUND ROD.
- INSTALL HANDHOLE.
- INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
- INSTALL 6 FT. X 6 FT. (4 TURNS) LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
- INSTALL 11 FT. CLASS 1 PIEZO SENSOR WITH LEAD-IN CABLE. THE CONTRACTOR SHALL FIELD VERIFY THE PIEZO SENSOR LENGTH.
- INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
- INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE AND 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND TELEPHONE SERVICE IN COMMON TRENCH. CONDUIT FOR ELECTRICAL SERVICE SHALL TIE INTO PROPOSED DISCONNECT SWITCH ON REAR OF CABINET.
- INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CONDUIT SHALL ENTER SIDE OF EXISTING METER PAN.



**WR&A**  
Whitman, Reardon  
and Associates, LLP  
801 South Caroline Street  
Baltimore, Maryland 21231  
(410) 235-3450

REVISIONS	APPROVALS
(A) RELOCATE ATR STATION	TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	CHEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
Office of Traffic & Safety  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
AUTOMATIC TRAFFIC RECORDER - SITE NO. 55  
I-95/495 AND GOOD LUCK ROAD

DRAWN BY: S. BLOSS	F.A.P. NO. 055	ATR. NO. 055	SHEET NO. 2 OF 2
CHECKED BY: N. LEARY	S.H.A. NO. 05024840	T.I.M.S. NO. F075	
SCALE: 1"=20'	COUNTY: PRINCE GEORGES		
DATE: 6/7/02	LOC MILE: 16009520.02		