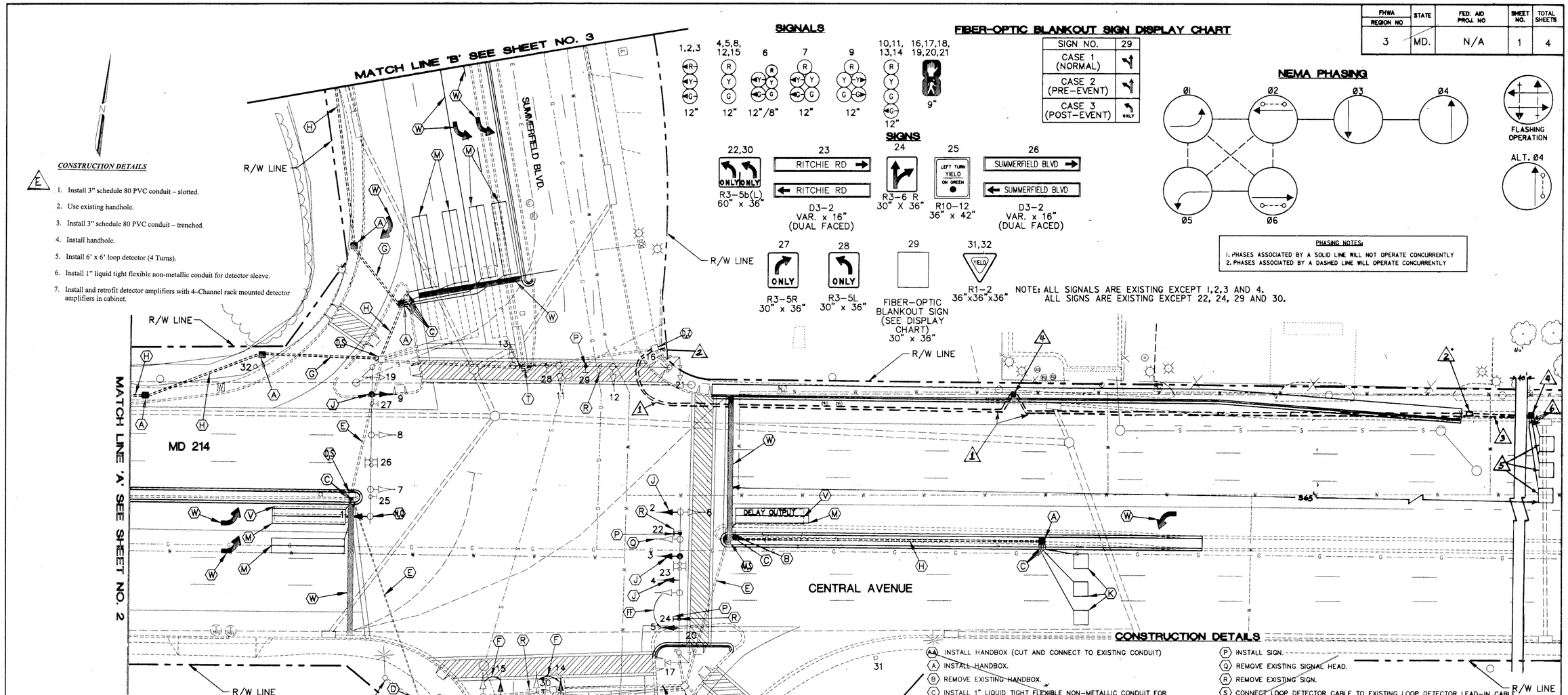
FHWA REGION NO	STATE	FED. AID PROJ. NO	SHEET NO.	TOTAL SHEETS
3	MD.	N/A	1	4



CONSTRUCTION DETAILS

1. Install 3" schedule 80 PVC conduit – slotted.
2. Use existing handhole.
3. Install 3" schedule 80 PVC conduit – trenched.
4. Install handhole.
5. Install 6' x 6' loop detector (4 Turns).
6. Install 1" liquid tight flexible non-metallic conduit for detector sleeve.
7. Install and retrofit detector amplifiers with 4-Channel rack mounted detector amplifiers in cabinet.

NOTES:
1. CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING THE TRAFFIC SIGNAL EQUIPMENT.
2. PAVEMENT MARKINGS ARE NOT TO BE INSTALLED UNTIL LOOP DETECTORS AND CONDUIT INSTALLATIONS ARE COMPLETED.
3. SEE SHEET 2 FOR PHASING DIAGRAM.
4. SEE SHEET 3 FOR PROJECT DESCRIPTION AND PROJECT CONTACTS.
5. SEE SHEET 4 FOR WIRING DIAGRAM AND EQUIPMENT LIST.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

G G	GAS MAIN
W W	WATER MAIN
S S	SEWER MAIN
	STORM DRAIN
TV TV	CABLE TELEVISION
E E	ELECTRIC CABLES
T T	TELEPHONE CABLES
A A	AERIAL CABLES

CONSTRUCTION DETAILS

- (AA) INSTALL HANDBOX (CUT AND CONNECT TO EXISTING CONDUIT)
- (A) INSTALL HANDBOX.
- (B) REMOVE EXISTING HANDBOX.
- (C) INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE WIRING.
- (D) USE EXISTING HANDHOLE.
- (E) USE EXISTING CONDUIT.
- (F) RELOCATE EXISTING SIGNAL HEAD.
- (FF) RELOCATE EXISTING SIGNAL HEAD. CONNECT TO EXISTING ELECTRICAL CABLE.
- (G) INSTALL 2" P.V.C. SCHEDULE 80 RIGID CONDUIT (SLOTTED).
- (H) INSTALL 2" P.V.C. SCHEDULE 40 RIGID CONDUIT (TRENCHED).
- (J) INSTALL SIGNAL HEAD ON EXISTING MAST ARM.
- (K) INSTALL 6' X 6' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING (4 TURNS).
- (L) INSTALL 6' X 20' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING (3-6-3), QUADRUPOLE TYPE.
- (M) INSTALL 6' X 30' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING (3-6-3), QUADRUPOLE TYPE.
- (N) INSTALL SIGNAL HEAD AND CONNECT TO EXISTING CABLE.
- (P) INSTALL SIGN.
- (Q) REMOVE EXISTING SIGNAL HEAD.
- (R) REMOVE EXISTING SIGN.
- (S) CONNECT LOOP DETECTOR CABLE TO EXISTING LOOP DETECTOR LEAD-IN CABLE.
- (T) REMOVE EXISTING HANDHOLE. CONNECT EXISTING CONDUIT.
- (U) USE EXISTING CABINET AND CONTROLLER. INSTALL POLICE PUSH BUTTON.
- (V) ABANDON EXISTING LOOP WIRE.
- (W) PAVEMENT MARKINGS
- (X) REMOVE EXISTING PAVEMENT MARKING.

REVISION "D"
A/E GROUP, INC.
ENGINEERS • PLANNERS
11409 Cronhill Drive
Owings Mills, Maryland 21117
A/E Job No. 96-316

REVISIONS	APPROVALS
7/99 Install Mainline Loops	CHIEF, SIGNAL DESIGN SECTION
CJ MAR BCK	ASST. DISTRICT ENGINEER, TRAFFIC
11-20-96 ADD EB AND SB LEFT TURN LANES WITH QUEUING DETECTORS AND SAMPLING LOOPS.	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
JFL CJS MAR BCK	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION SIGNAL • 16021402.76

DRAWN BY: T. D. ROBERGE
DES. BY: D. WALLACE
CHK. BY:

MD 214 AT SUMMERFIELD BLVD./RITCHIE ROAD

COUNTY: PRINCE GEORGE'S

DATE: NOVEMBER 1981
SCALE: 1" = 20'
F.A.P. NO. PG308A51/BS1
S.H.A. NO.
TS/STD. NO. 399 E-P
SHEET NO. 1 OF 43

36 OF