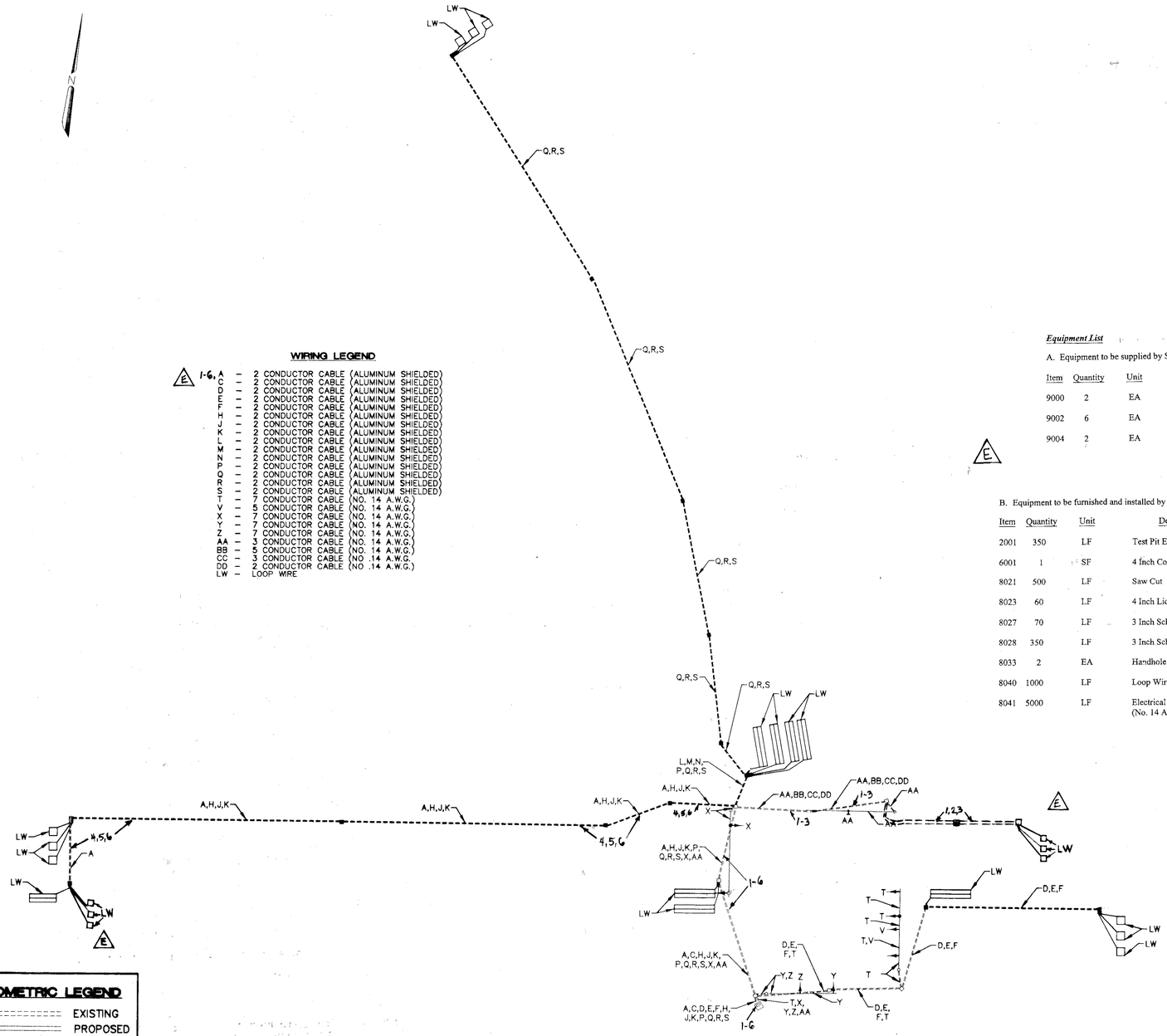
FHWA REGION NO	STATE	FED. AID PROJ. NO	SHEET NO.	TOTAL SHEETS
3	MD.	N/A	4	4



WIRING LEGEND

1-6, A – 2 CONDUCTOR CABLE (ALUMINUM SHIELDED)
C – 2 CONDUCTOR CABLE (ALUMINUM SHIELDED)
D – 2 CONDUCTOR CABLE (ALUMINUM SHIELDED)
E – 2 CONDUCTOR CABLE (ALUMINUM SHIELDED)
F – 2 CONDUCTOR CABLE (ALUMINUM SHIELDED)
H – 2 CONDUCTOR CABLE (ALUMINUM SHIELDED)
J – 2 CONDUCTOR CABLE (ALUMINUM SHIELDED)
K – 2 CONDUCTOR CABLE (ALUMINUM SHIELDED)
L – 2 CONDUCTOR CABLE (ALUMINUM SHIELDED)
M – 2 CONDUCTOR CABLE (ALUMINUM SHIELDED)
N – 2 CONDUCTOR CABLE (ALUMINUM SHIELDED)
P – 2 CONDUCTOR CABLE (ALUMINUM SHIELDED)
Q – 2 CONDUCTOR CABLE (ALUMINUM SHIELDED)
R – 2 CONDUCTOR CABLE (ALUMINUM SHIELDED)
S – 2 CONDUCTOR CABLE (ALUMINUM SHIELDED)
T – 7 CONDUCTOR CABLE (NO. 14 A.W.G.)
V – 5 CONDUCTOR CABLE (NO. 14 A.W.G.)
X – 7 CONDUCTOR CABLE (NO. 14 A.W.G.)
Y – 7 CONDUCTOR CABLE (NO. 14 A.W.G.)
Z – 7 CONDUCTOR CABLE (NO. 14 A.W.G.)
AA – 3 CONDUCTOR CABLE (NO. 14 A.W.G.)
BB – 5 CONDUCTOR CABLE (NO. 14 A.W.G.)
CC – 3 CONDUCTOR CABLE (NO .14 A.W.G.
DD – 2 CONDUCTOR CABLE (NO .14 A.W.G.)
LW – LOOP WIRE

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

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

Equipment List

A. Equipment to be supplied by SHA and installed by the Contractor

Item	Quantity	Unit	Description
9000	2	EA	Detector Rack Retrofit
9002	6	EA	Detector Amplifier 4-Channel Rack Mount
9004	2	EA	Detector Rack Power Supply

B. Equipment to be furnished and installed by the Contractor

Item	Quantity	Unit	Description
2001	350	LF	Test Pit Excavation
6001	1	SF	4 Inch Concrete Sidewalk
8021	500	LF	Saw Cut
8023	60	LF	4 Inch Liquid Tight Flexible Non-Metallic Conduit
8027	70	LF	3 Inch Sch. 80 PVC Conduit – Trenched
8028	350	LF	3 Inch Sch. 80 PVC Conduit – Slotted
8033	2	EA	Handhole
8040	1000	LF	Loop Wire Encased in Flex Tubing(No. 14 AWG)
8041	5000	LF	Electrical Cable- 2 Cond. Aluminum Shielded (No. 14 AWG)

EQUIPMENT LISTS

A. Equipment to be supplied by S.H.A. and installed by the Contractor.

QUANTITY	UNIT	DESCRIPTION
4	EA	Detector Amplifier 4–Ch. Rack Mount
1	EA	Police Push Button with cable
1	EA	12" one–way, three–section (R, Y, G) traffic signal head having proper adjustable mast arm mounting bracket, balance adjusters and tunnel visors
3	EA	12" one–way, three–section (RA, YA, GA) traffic signal head having proper adjustable mast arm mounting bracket, balance adjusters and tunnel visors
38	SF	Flat sheet aluminum sign with mast arm mounting hardware

B. Equipment to be furnished and installed by the Contractor.

QUANTITY	UNIT	DESCRIPTION
12	EA	Handhole
65	LF	1" liquid tight flexible non–metallic conduit for detector sleeve
140	LF	2" Schedule 80 rigid PVC conduit (slotted)
1250	LF	2" Schedule 40 rigid PVC conduit (trenched)
4800	LF	Loop wire (No. 14 A.W.G.) encased in 1/4" flexible tubing
6800	LF	2–conductor electrical cable (aluminum shielded, No. 14 A.W.G.)
120	LF	2–conductor electrical cable (No. 14 A.W.G.)
650	LF	3–conductor electrical cable (No. 14 A.W.G.)
40	LF	5–conductor electrical cable (No. 14 A.W.G.)
650	LF	7–conductor electrical cable (No. 14 A.W.G.)
1400	LF	Sawcut
1	EA	As–built for Traffic Signal (CAD) Microstation

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

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

ORIGINAL ON FILE

MDOT – STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION SIGNAL # 18021402.78

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

MD 214 AT SUMMERFIELD BLVD./RITCHIE ROAD

GENERAL INFORMATION COUNTY: PRINCE GEORGE'S

DATE: NOVEMBER 1981 F.A.P. NO.
SCALE: 1" = 20' S.H.A. NO. BW964M82

TS/STD. NO. 399 E-GI

SHEET NO. 43 OF 43