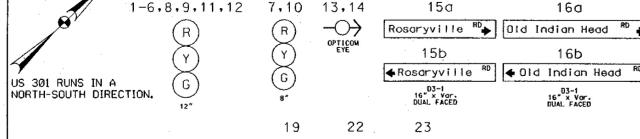
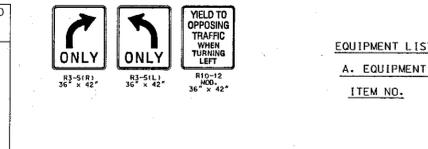
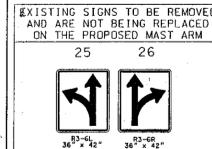
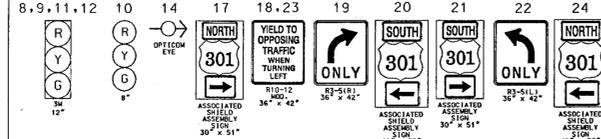


EXISTING SIGNALS & SIGNS



PROPOSED SIGNALS & SIGNS



EQUIPMENT LISTS

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
113.3 S.F.	2 EACH	R10-12 MOD. SIGN, "YIELD TO OPPOSING TRAFFIC WHEN TURNING LEFT", 36" x 42", MAST ARM MOUNTED HARDWARE
	1 EACH	R3-51(L) SIGN, 36" x 42", MAST ARM MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "SOUTH, US 301, (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "NORTH, US 301, (LEFT ARROW)", 48" x 75", POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "NORTH, US 301, (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "SOUTH, US 301 (LEFT ARROW)", 48" x 75", POLE MOUNTED HARDWARE

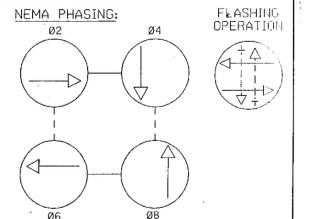
EQUIPMENT LIST (CONT.)

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2002	1 C.Y.	TEST PIT EXCAVATION
8009	12 EACH	F & I 12" BLACK FACED OPTICAL PROGRAMMED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8018	1 EACH	F & I 3M OPTICOM #721 DETECTOR EYE
8019	3 EACH	F & I 8" BLACK FACED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8023	1 EACH	F & I 27" MAST ARM POLE & 60' MAST ARM
8047	2 EACH	REMOVE & DISPOSE OF THE EXISTING FOUNDATION 12" BELOW GRADE
8048	1 EACH	REMOVE & DISPOSE OF THE EXISTING MATERIAL & EQUIPMENT PER ASSIGNMENT
8051	20 L.F.	F & I 3" PVC SCHEDULE 80 CONDUIT - TRENCHED
8056	360 L.F.	F & I 4-CONDUCTOR OPTICOM CABLE
8059	4.5 C.Y.	F & I CONCRETE FOR SIGNAL FOUNDATION
8062	250 L.F.	F & I NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8077	113.3 S.F.	INSTALL OVERHEAD SIGN
8082	1 EACH	F & I GROUND ROD - 3/4" DIA. x 10'
8086	60 L.F.	F & I ELECTRICAL CABLE - 5-CONDUCTOR (NO. 14 AWG)
8087	690 L.F.	F & I ELECTRICAL CABLE - 7-CONDUCTOR (NO. 14 AWG)

C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE SHA

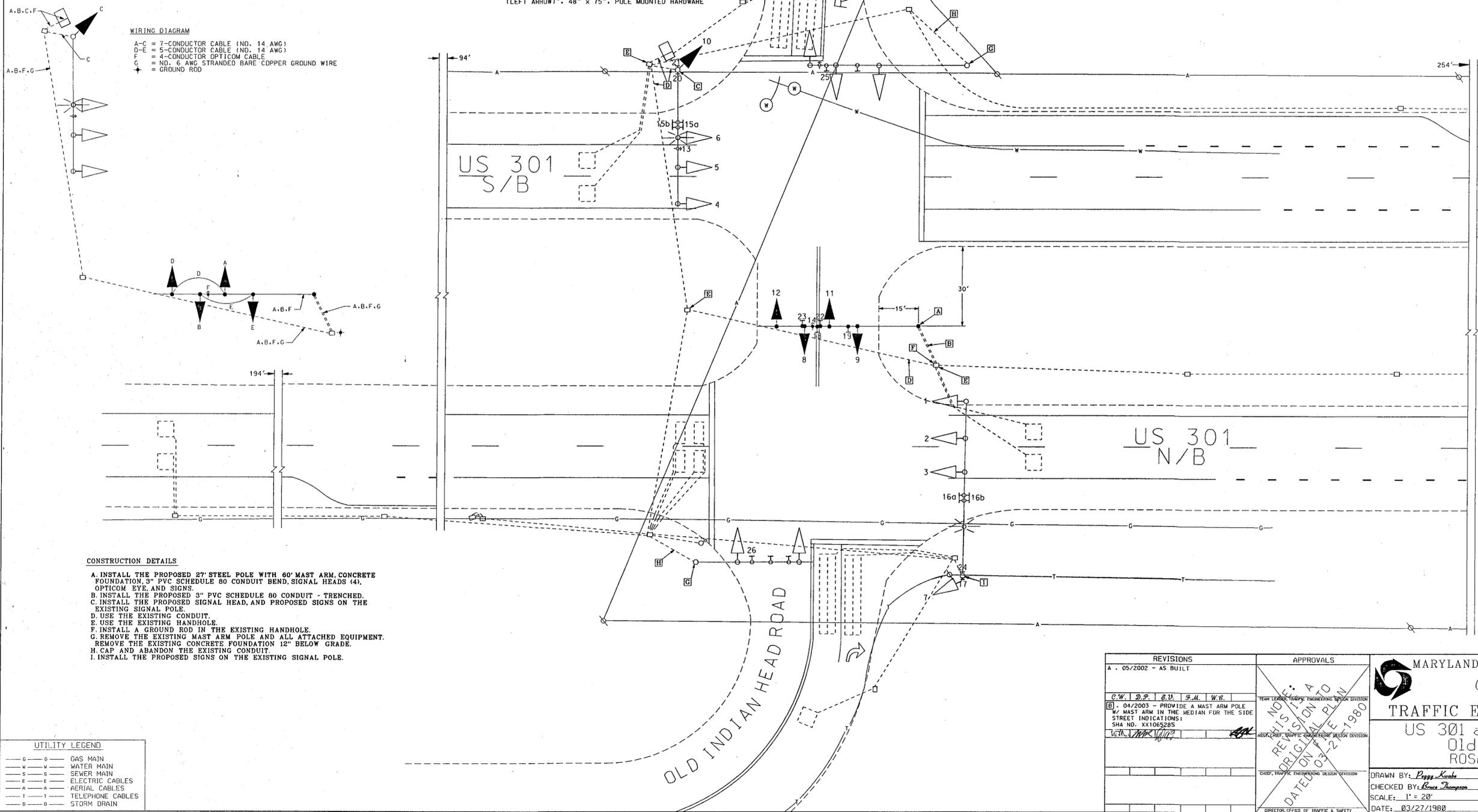
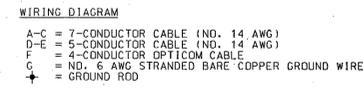
ITEM NO.	QUANTITY	DESCRIPTION
		ALL REMOVED MATERIALS BECOME THE PROPERTY OF THE CONTRACTOR



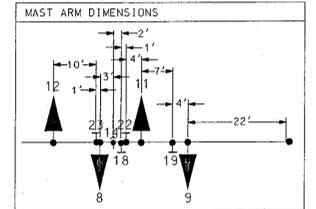
NEMA NOTES:
 1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
 2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PROJECT CONTACTS:
 THE PROJECT CONTACTS ARE AS FOLLOWS:

- MR. MAJID SHAKIB
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-3558
- MR. RALEIGH MEDLEY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304
- MR. AUGIE REBISH
ASSISTANT DISTRICT ENGINEER - UTILITIES
PHONE: (301) 513-7350
- MR. RICHARD DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-5630
- MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7631
- MR. EDWARD RODENHIZER
CHIEF, SIGNAL OPERATIONS SECTION
PHONE: (410) 787-7652



PHASE CHART
 THERE IS NO CHANGE IN THE PHASE CHART

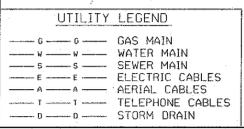


NOTES TO THE CONTRACTOR:

- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
- ALL UNUSED CABLES SHALL BE REMOVED FROM THE EXISTING CONDUITS AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF THESE EXISTING UNUSED CABLES.

CONSTRUCTION DETAILS

- INSTALL THE PROPOSED 27" STEEL POLE WITH 60' MAST ARM, CONCRETE FOUNDATION, 3" PVC SCHEDULE 80 CONDUIT BEND, SIGNAL HEADS (4), OPTICOM EYE, AND SIGNS.
- INSTALL THE PROPOSED 3" PVC SCHEDULE 80 CONDUIT - TRENCHED.
- INSTALL THE PROPOSED SIGNAL HEAD, AND PROPOSED SIGNS ON THE EXISTING SIGNAL POLE.
- USE THE EXISTING CONDUIT.
- USE THE EXISTING HANDHOLE.
- INSTALL A GROUND ROD IN THE EXISTING HANDHOLE.
- REMOVE THE EXISTING MAST ARM POLE AND ALL ATTACHED EQUIPMENT. REMOVE THE EXISTING CONCRETE FOUNDATION 12" BELOW GRADE.
- CAP AND ABANDON THE EXISTING CONDUIT.
- INSTALL THE PROPOSED SIGNS ON THE EXISTING SIGNAL POLE.



REVISIONS		APPROVALS	
A	05/2002 - AS BUILT		
B	04/2003 - PROVIDE A MAST ARM POLE W/ MAST ARM IN THE MEDIAN FOR THE SIDE STREET INDICATIONS. SHA NO. XX1063285		

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

**US 301 and Rosaryville Road/
 Old Indian Head Road
 ROSARYVILLE, MARYLAND**

DRAWN BY: *Daggy Kuehn* F.A.P. NO. _____ T.S. NO. _____
 CHECKED BY: *Ernie Thompson* S.H.A. NO. _____ TS-1763 [] SHEET NO. _____
 SCALE: 1" = 20' COUNTY: PRINCE GEORGE'S T.I.M.S. NO. _____
 DATE: 03/27/1980 LOG MILE: 16030108.13 F460 1 OF 1