EXISTING SIGNALS & SIGNS

US 113 RUNS IN A NORTH-SOUTH DIRECTION.

1.2.5.6 3.4.7-14 16 17a 18a

OPTICOM DETECTOR EYE

Bay ST → | Assateague HWY →

17b 18b

← Bay ST | ← Assateague HWY

03-2 (DUAL FACED) 16" x 40".

19a.19b.20a.20b

Worcester Hwy

03-2 (DUAL FACED) 16" x 40".

PROPOSED OPTICOM

15

OPTICOM DETECTOR EYE

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

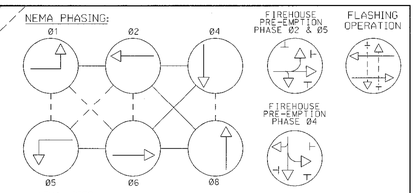
ITEM NO.	QUANTITY	DESCRIPTION
8010	2 EACH	F & I CONDUIT BEND IN THE EXISTING BASE
8016	10 L.F.	F & I 2" SCHEDULE 80 PVC CONDUIT - TRENCHED
8018	170 L.F.	F & I 4-CONDUCTOR OPTICOM DETECTOR CABLE
8025	1 EACH	F & I 3" WEATHERHEAD
8047	1 EACH	F & I OPTICOM NO. 721 DETECTOR EYE

C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE SHA

ITEM NO.	QUANTITY	DESCRIPTION

ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR

NEMA PHASING:



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

PHASE CHART

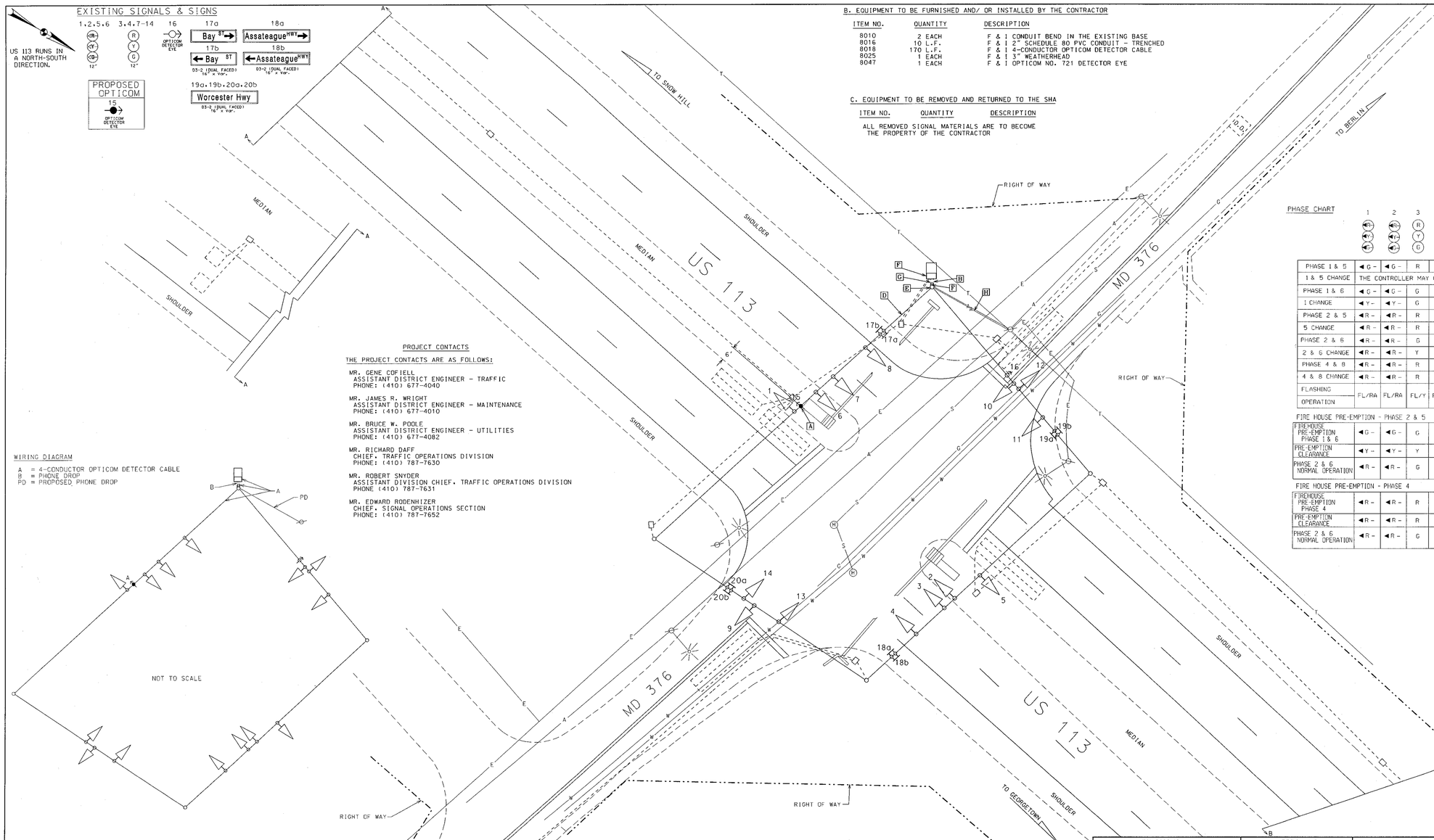
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 1 & 5	G -	G -	R	R	G -	G -	R	R	R	R	R	R	R	R
1 & 5 CHANGE	THE CONTROLLER MAY CHANGE TO PHASE 1 & 6, 2 & 5, OR 2 & 6													
PHASE 1 & 6	G -	G -	G	G	R -	R -	R	R	R	R	R	R	R	R
1 CHANGE	Y -	Y -	G	G	R -	R -	R	R	R	R	R	R	R	R
PHASE 2 & 5	R -	R -	R	R	G -	G -	G	G	R	R	R	R	R	R
5 CHANGE	R -	R -	R	R	Y -	Y -	G	G	R	R	R	R	R	R
PHASE 2 & 6	R -	R -	G	G	R -	R -	G	G	R	R	R	R	R	R
2 & 6 CHANGE	R -	R -	Y	Y	R -	R -	Y	Y	R	R	R	R	R	R
PHASE 4 & 8	R -	R -	R	R	R -	R -	R	R	G	G	G	G	G	G
4 & 8 CHANGE	R -	R -	R	R	R -	R -	R	R	Y	Y	Y	Y	Y	Y
FLASHING OPERATION	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

FIRE HOUSE PRE-EMPTION - PHASE 2 & 5

FIREHOUSE PRE-EMPTION PHASE 1 & 6	G -	G -	G	G	R -	R -	R	R	R	R	R	R	R	R
PRE-EMPTION CLEARANCE	Y -	Y -	Y	Y	R -	R -	R	R	R	R	R	R	R	R
PHASE 2 & 6 NORMAL OPERATION	R -	R -	G	G	R -	R -	G	G	R	R	R	R	R	R

FIRE HOUSE PRE-EMPTION - PHASE 4

FIREHOUSE PRE-EMPTION PHASE 4	R -	R -	R	R	R -	R -	R	R	R	R	R	G	G	G
PRE-EMPTION CLEARANCE	R -	R -	R	R	R -	R -	R	R	R	R	R	Y	Y	Y
PHASE 2 & 6 NORMAL OPERATION	R -	R -	G	G	R -	R -	G	G	R	R	R	R	R	R



PROJECT CONTACTS

THE PROJECT CONTACTS ARE AS FOLLOWS:

MR. GENE COFIELL
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 677-4040

MR. JAMES R. WRIGHT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 677-4010

MR. BRUCE W. POOLE
ASSISTANT DISTRICT ENGINEER - UTILITIES
PHONE: (410) 677-4082

MR. RICHARD DAFF
CHIEF. TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF. TRAFFIC OPERATIONS DIVISION
PHONE (410) 787-7631

MR. EDWARD RODENHIZER
CHIEF. SIGNAL OPERATIONS SECTION
PHONE: (410) 787-7652

WIRING DIAGRAM

A = 4-CONDUCTOR OPTICOM DETECTOR CABLE
B = PHONE DROP
PD = PROPOSED PHONE DROP

CONSTRUCTION DETAILS

A. INSTALL THE PROPOSED OPTICOM ON THE EXISTING SPAN WIRE.
B. USE THE EXISTING CONDUIT.
C. USE THE EXISTING HANDHOLE.
D. USE THE EXISTING SPAN WIRE.
E. INSTALL 3" WEATHERHEAD ON THE EXISTING POLE.
F. INSTALL 2" CONDUIT IN THE EXISTING CONCRETE BASE.
G. INSTALL 2" PVC SCHEDULE 80 CONDUIT - FOR PHONE DROP.
H. PROPOSED OVERHEAD PHONE DROP.

NOTES TO THE CONTRACTOR:

1. 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.
2. ALL UNUSED CABLES SHALL BE REMOVED FROM THE EXISTING CONDUITS, AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF THESE EXISTING CABLES.
3. THE CONTRACTOR SHALL CONTACT MR. ED RODENHIZER (410-787-7652) OF THE SHA SIGNAL SHOP FOR ANY WORK PRETAINING TO ANY WIRING OF THE CONTROLLER CABINET.

UTILITY LEGEND

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

REVISIONS

D. 05/2003 - INSTALL OPTICOM ON US 113 N/B
SHA NO. AT2885185
W.W. | Tom | Bill | Bal | JA

C. 04/2003 - REVISED N/B & S/B E/P L.T. TO EXCLUSIVE L.T.'S
SHA NO. 23854T2502820
M.A.R. | D.A.J. | S.R.K.

B. 09/2000 - INSTALL OPTICOM DETECTOR FOR E/B MD 376
SHA NO. 23854T2502820
S.J. | M.A.R. | D.A.J. | S.R.K.

A. 09/1992 - INSTALL SOUTHBOUND LEFT TURN LOOP DETECTOR
SHA NO.
D.B.D. | D.J.D. | D.A.J. | S.J.P. | J.H.

APPROVALS

NOT A RIGINAL PLAN ON FILE

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

US 113 and MD 376
BERLIN, MARYLAND

DRAWN BY: Lee Short	F.A.P. NO.	T.S. NO.	SHEET NO.
CHECKED BY: Bruce Thompson	S.H.A. NO. WD507A01/B51	TS-1739 C	
SCALE: 1" = 20'	COUNTY WORCESTER	T.I.M.S. NO.	
DATE: 09/27/1979	LOG MILE 23011328.08	F606	1 OF 1