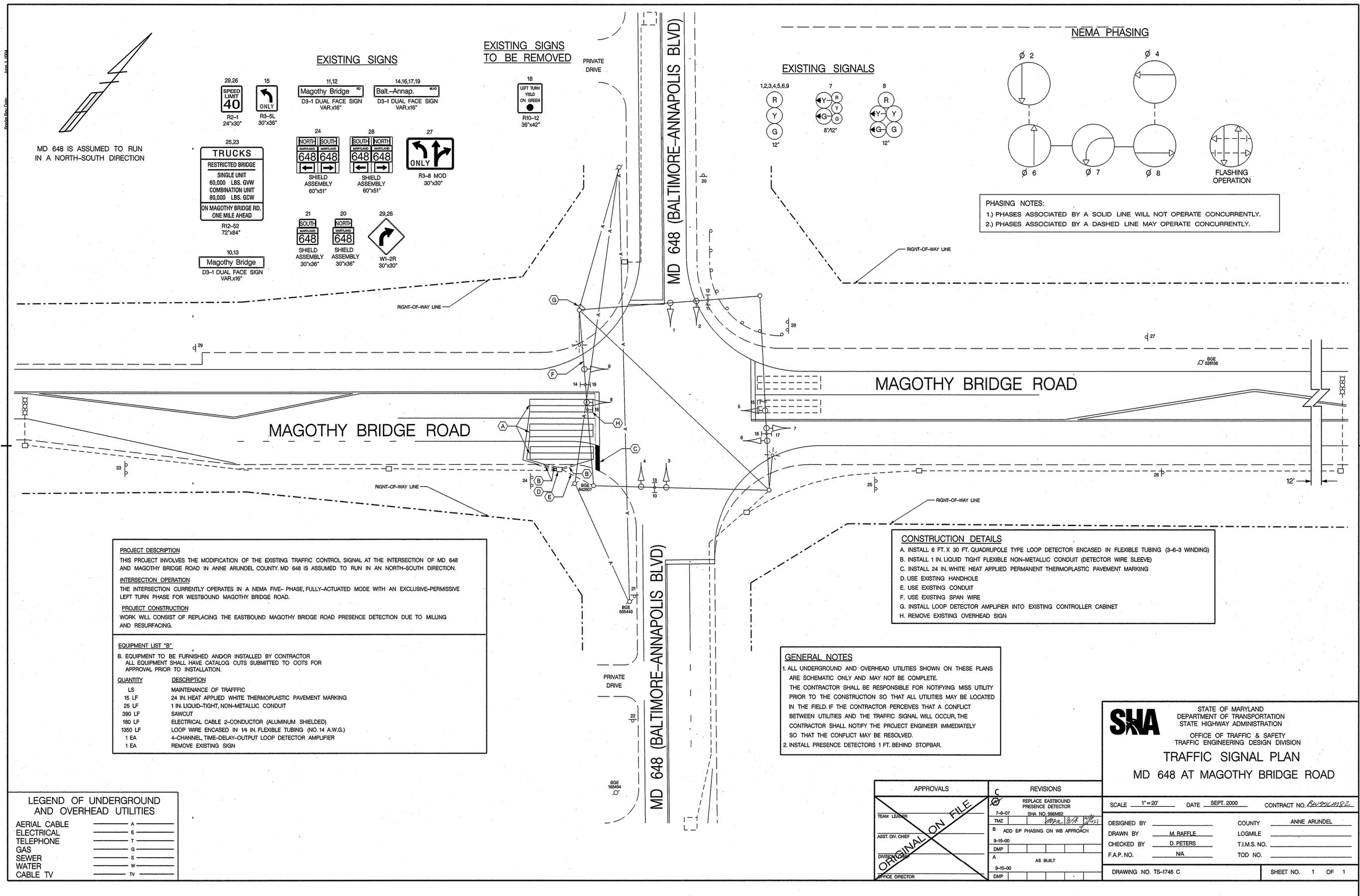


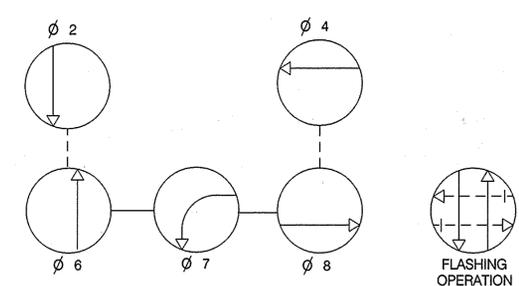
DRILL HOLES

DRILL HOLES

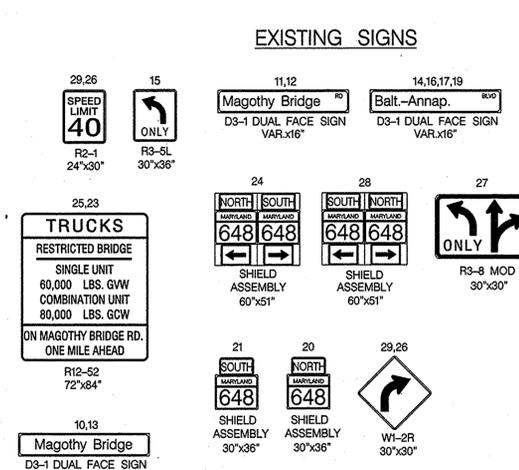
DRILL HOLES



NEMA PHASING



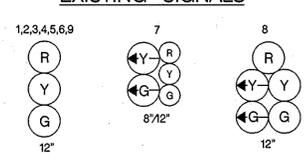
PHASING NOTES:  
 1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.  
 2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.



EXISTING SIGNS TO BE REMOVED



EXISTING SIGNALS



**PROJECT DESCRIPTION**  
 THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 648 AND MAGOTHY BRIDGE ROAD IN ANNE ARUNDEL COUNTY, MD 648 IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION.

**INTERSECTION OPERATION**  
 THE INTERSECTION CURRENTLY OPERATES IN A NEMA FIVE-PHASE, FULLY-ACTUATED MODE WITH AN EXCLUSIVE-PERMISSIVE LEFT TURN PHASE FOR WESTBOUND MAGOTHY BRIDGE ROAD.

**PROJECT CONSTRUCTION**  
 WORK WILL CONSIST OF REPLACING THE EASTBOUND MAGOTHY BRIDGE ROAD PRESENCE DETECTION DUE TO MILLING AND RESURFACING.

**EQUIPMENT LIST "B"**  
 B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR  
 ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO COTS FOR APPROVAL PRIOR TO INSTALLATION.

QUANTITY	DESCRIPTION
LS	MAINTENANCE OF TRAFFIC
15 LF	24 IN. HEAT APPLIED WHITE THERMOPLASTIC PAVEMENT MARKING
25 LF	1 IN. LIQUID-TIGHT, NON-METALLIC CONDUIT
390 LF	SAWCUT
180 LF	ELECTRICAL CABLE 2-CONDUCTOR (ALUMINUM SHIELDED)
1350 LF	LOOP WIRE ENCASED IN 14 IN. FLEXIBLE TUBING (NO. 14 A.W.G.)
1 EA	4-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER
1 EA	REMOVE EXISTING SIGN

**CONSTRUCTION DETAILS**

A. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN FLEXIBLE TUBING (3-6-3 WINDING)  
 B. INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT (DETECTOR WIRE SLEEVE)  
 C. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKING  
 D. USE EXISTING HANDHOLE  
 E. USE EXISTING CONDUIT  
 F. USE EXISTING SPAN WIRE  
 G. INSTALL LOOP DETECTOR AMPLIFIER INTO EXISTING CONTROLLER CABINET  
 H. REMOVE EXISTING OVERHEAD SIGN

**GENERAL NOTES**

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.

2. INSTALL PRESENCE DETECTORS 1 FT. BEHIND STOPBAR.

**LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES**

AERIAL CABLE	_____	A
ELECTRICAL	_____	E
TELEPHONE	_____	T
GAS	_____	G
SEWER	_____	S
WATER	_____	W
CABLE TV	_____	TV

APPROVALS	REVISIONS
<p>ORIGINAL ON FILE</p> <p>TEAM LEADER</p> <p>ASST. DIV. CHIEF</p> <p>DIVISION CHIEF</p> <p>OFFICE DIRECTOR</p>	<p>7-6-07 REPLACE EASTBOUND PRESENCE DETECTOR            SH# NO. 098482</p> <p>9-15-00 ADD EP PHASING ON WB APPROACH</p> <p>9-15-00 AS BUILT</p>

**SHA** STATE OF MARYLAND  
 DEPARTMENT OF TRANSPORTATION  
 STATE HIGHWAY ADMINISTRATION  
 OFFICE OF TRAFFIC & SAFETY  
 TRAFFIC ENGINEERING DESIGN DIVISION

**TRAFFIC SIGNAL PLAN**  
 MD 648 AT MAGOTHY BRIDGE ROAD

SCALE 1" = 20' DATE SEPT. 2000 CONTRACT NO. *045900022*

DESIGNED BY \_\_\_\_\_ COUNTY ANNE ARUNDEL  
 DRAWN BY M. BAFFLE LOGMILE \_\_\_\_\_  
 CHECKED BY D. PETERS T.I.M.S. NO. \_\_\_\_\_  
 F.A.P. NO. N/A TOD NO. \_\_\_\_\_

DRAWING NO. TS-1748 C SHEET NO. 1 OF 1