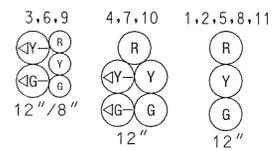
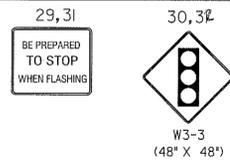


MD 140 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

PROPOSED SIGNALS



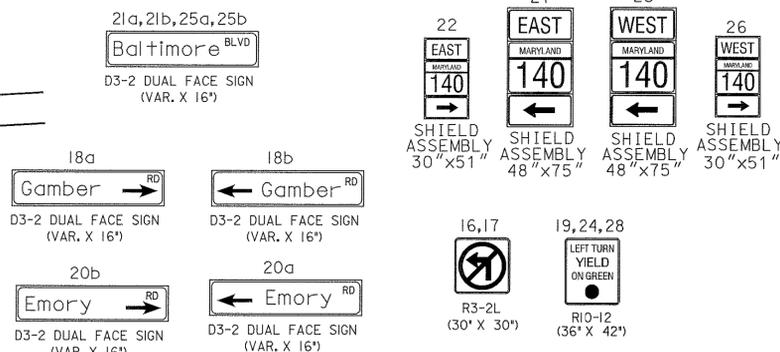
EXISTING SIGNALS (TO REMAIN)



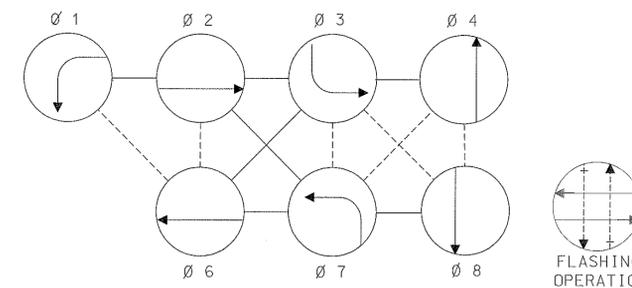
EXISTING SIGNALS



PROPOSED SIGNS

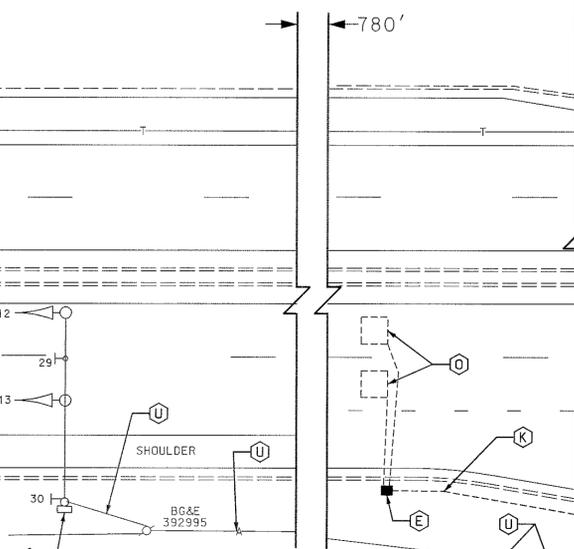
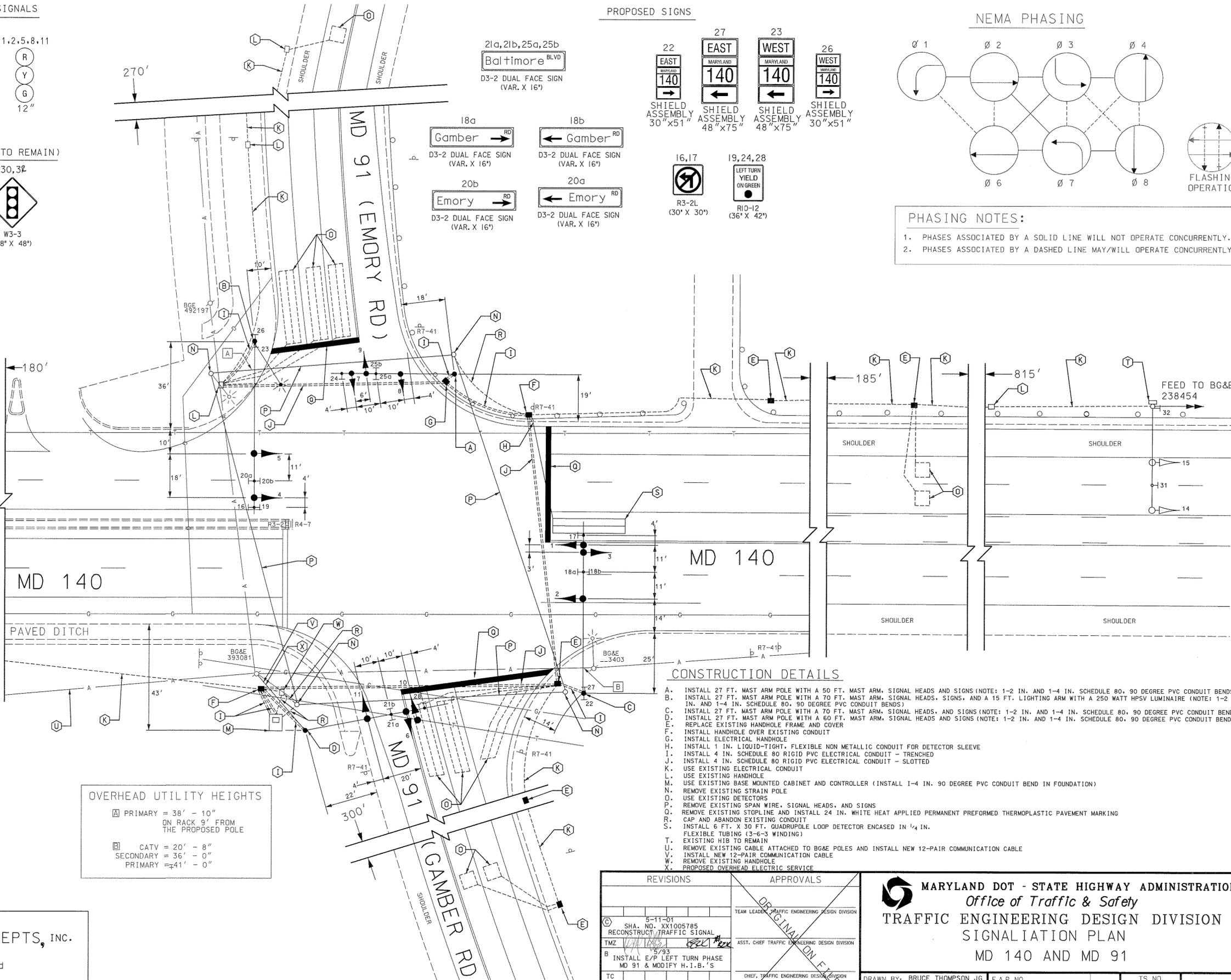


NEMA PHASING



PHASING NOTES:

- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.



GENERAL NOTES

- INSTALL CONDUIT AND LOOP DETECTORS PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
- PAVEMENT MARKINGS DETAILED ON THE PLANS ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MSHA STANDARDS, GUIDELINES AND PRACTICES. ALL OTHER PAVEMENT MARKINGS SHOWN WILL EITHER BE INSTALLED AS PART OF THE DEVELOPER'S PROJECT OR ARE TO BE CONSIDERED AS EXISTING. PAVEMENT MARKINGS THAT DO NOT CONFORM TO THE PROPOSED PAVEMENT MARKING SYSTEM SHALL BE REMOVED AS DETAILED ON THE PLANS.
- 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 THE UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT EXISTS BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY. REVISION "C" IS A REVISION TO THE TRAFFIC CONTROL SIGNAL BUILT UNDER SHA NO. CL-657-501-785.
- INSTALL PRESENCE DETECTORS 1 FT. BEHIND STOPBAR.
- DISCONNECT AND ABANDON EXISTING WESTBOUND MD 140 LEFT TURN DETECTOR.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

**TRAFFIC CONCEPTS, INC.**

325 Gambrills Road  
Suite E  
Gambrills, MD 21054  
(410) 923-7101

OVERHEAD UTILITY HEIGHTS

PRIMARY	= 38' - 10"
ON RACK 9' FROM THE PROPOSED POLE	
CATV	= 20' - 8"
SECONDARY	= 36' - 0"
PRIMARY	= 41' - 0"

CONSTRUCTION DETAILS

- INSTALL 27 FT. MAST ARM POLE WITH A 50 FT. MAST ARM, SIGNAL HEADS AND SIGNS (NOTE: 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS)
- INSTALL 27 FT. MAST ARM POLE WITH A 70 FT. MAST ARM, SIGNAL HEADS, SIGNS, AND A 15 FT. LIGHTING ARM WITH A 250 WATT HPSV LUMINAIRE (NOTE: 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS)
- INSTALL 27 FT. MAST ARM POLE WITH A 70 FT. MAST ARM, SIGNAL HEADS, AND SIGNS (NOTE: 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS)
- INSTALL 27 FT. MAST ARM POLE WITH A 60 FT. MAST ARM, SIGNAL HEADS AND SIGNS (NOTE: 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS)
- REPLACE EXISTING HANDHOLE FRAME AND COVER
- INSTALL HANDHOLE OVER EXISTING CONDUIT
- INSTALL ELECTRICAL HANDHOLE
- INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE NON METALLIC CONDUIT FOR DETECTOR SLEEVE
- INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
- INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - SLOTTED
- USE EXISTING ELECTRICAL CONDUIT
- USE EXISTING HANDHOLE
- USE EXISTING BASE MOUNTED CABINET AND CONTROLLER (INSTALL 1-4 IN. 90 DEGREE PVC CONDUIT BEND IN FOUNDATION)
- REMOVE EXISTING STRAIN POLE
- USE EXISTING DETECTORS
- REMOVE EXISTING SPAN WIRE, SIGNAL HEADS, AND SIGNS
- REMOVE EXISTING STOPLINE AND INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- CAP AND ABANDON EXISTING CONDUIT
- INSTALL 6 FT. X 30 FT. QUADRIPOLE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (3-6-3 WINDING)
- EXISTING HIB TO REMAIN
- REMOVE EXISTING CABLE ATTACHED TO BG&E POLES AND INSTALL NEW 12-PAIR COMMUNICATION CABLE
- INSTALL NEW 12-PAIR COMMUNICATION CABLE
- REMOVE EXISTING HANDHOLE
- PROPOSED OVERHEAD ELECTRIC SERVICE

REVISIONS	APPROVALS
5-11-01 SHA. NO. XX1005785 RECONSTRUCT TRAFFIC SIGNAL TMZ 1/11/03 5/93 B INSTALL E/P LEFT TURN PHASE MD 91 & MODIFY H.I.B.'S TC 9-18-82 A DELETE ONE STREET LIGHT ARM AND LUMINAIRE. INSTALL BACKCOPY & LIGHT-WEIGHT SIGNALS 3 & 4 JG	ORIGINAL ON FILE TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION DIRECTOR, TRAFFIC & SAFETY

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
SIGNALIATION PLAN  
MD 140 AND MD 91

DRAWN BY: BRUCE THOMPSON JG	F.A.P. NO.	TS NO.
CHECKED BY: DIMITRIOS ZAFIRIS	S.H.A. NO. CL-345 ASH BSA	1667 C
SCALE: 1" = 20'	COUNTY: CARROLL	T.I.M.S. NO. E620
DATE: 12-11-91	LOG MILE:	SHEET NO. 1 OF 2