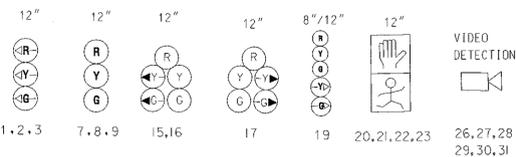
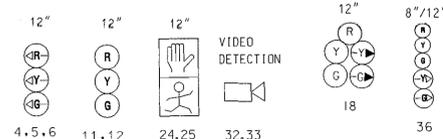


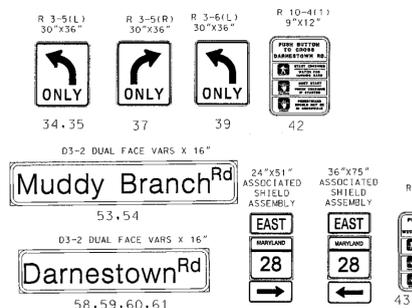
**EXISTING EQUIPMENT FROM PREVIOUS PHASE TO REMAIN**



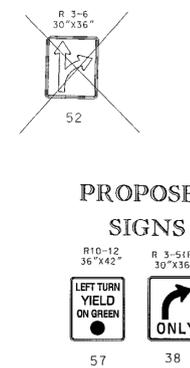
**PROPOSED EQUIPMENT**



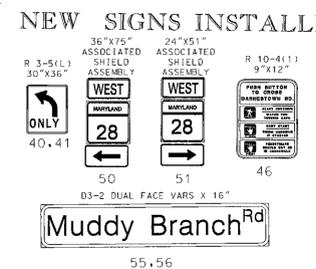
**EXISTING SIGNS FROM PREVIOUS PHASE TO REMAIN**



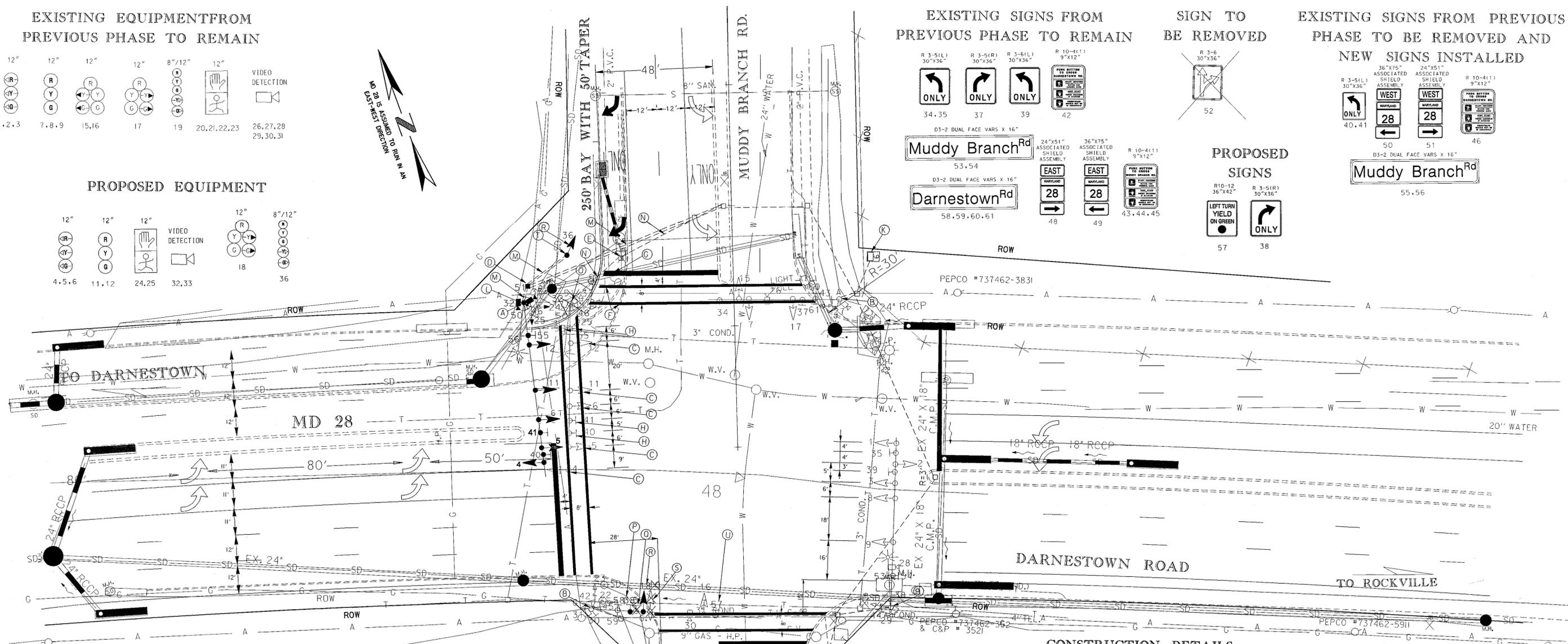
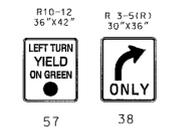
**SIGN TO BE REMOVED**



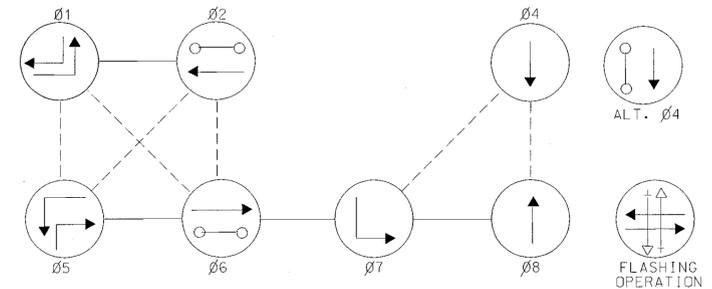
**EXISTING SIGNS FROM PREVIOUS PHASE TO BE REMOVED AND NEW SIGNS INSTALLED**



**PROPOSED SIGNS**



**NEMA PHASING**



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

**LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES**

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

**CONSTRUCTION DETAILS**

- A. INSTALL NEW 27 FT. STEEL POLE WITH SINGLE 70 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO CAMERAS, 20 FT. STREET LIGHTING ARM WITH 250 WATT LUMINAIRE (NOTE: 1-4" PVC 90 DEGREE CONDUIT BEND) NOTE: ROTATE FOUNDATION 7.5 DEGREES EAST TO ADJUST THE LOCATION OF MAST ARM.
- B. MAINTAIN EXISTING SIGNAL POLE. 70' MAST ARM, SIGNAL HEADS, SIGNS, FOUNDATION, AND 20' LIGHTING ARM WITH A 250 WATT HIGH PRESSURE LUMINAIRE AND PHOTOELECTRIC CELL AS SHOWN.
- C. REMOVE EXISTING SIGNAL HEAD.
- D. INSTALL ELECTRICAL HANDHOLE.
- E. REMOVE EXISTING ELECTRICAL HANDHOLE.
- F. INSTALL 12" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC.
- G. INSTALL 24" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC.
- H. REMOVE SIGNS 40, 41, 50, 51, 46, 55, 856 LOCATED ON EXISTING MAST ARM AND RELOCATED TO NEW MAST ARM
- I. OMITTED
- J. OMITTED
- K. MAINTAIN EXISTING CONTROLLER, CABINET, AND POWER FEED.
- L. INSTALL NEW FOUNDATION ROTATED 7.5 DEGREES EAST TO ACCOMMODATE NEW ROTATION ON MAST ARM
- M. INSTALL PROPOSED 4" PVC SCHEDULE 80 ELECTRICAL CONDUIT - DIRECTIONAL BORED
- N. CAP AND ABANDON EXISTING ELECTRICAL CONDUIT.
- O. REMOVE EXISTING STEEL POLE AND MAST ARM
- P. INSTALL NEW R3-SR SIGN
- Q. REMOVE EXISTING R3-6 SIGN
- R. INSTALL NEW FIVE SECTION SIGNAL HEAD
- S. REMOVE EXISTING THREE SECTION SIGNAL HEAD
- T. INSTALL 14" STEEL SIGNAL POLE WITH 5 SECTION SIGNAL.
- U. INSTALL NEW R10-12 SIGN

REVISIONS	APPROVALS
05/13/03 INSTALL SR RT TURN LANE (ORIGIN 02)	
	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
 Office of Traffic & Safety  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
 TRAFFIC SIGNAL PLAN  
 NORTHWEST SIGNAL POLE MODIFICATION  
 MD 28 (DARNESTOWN RD) AND MUDDY BRANCH ROAD

DRAWN BY: C.A.B.	F.A.P. NO.	TS NO.	SHEET NO. 1 OF 2
CHECKED BY: C.M.T.	S.H.A. NO.	1915 D	
SCALE: 1" = 20'	COUNTY: MONTGOMERY	T.I.M.S. NO. F 483	
DATE: 07-11-03	LOG MILE: 15002817.77		