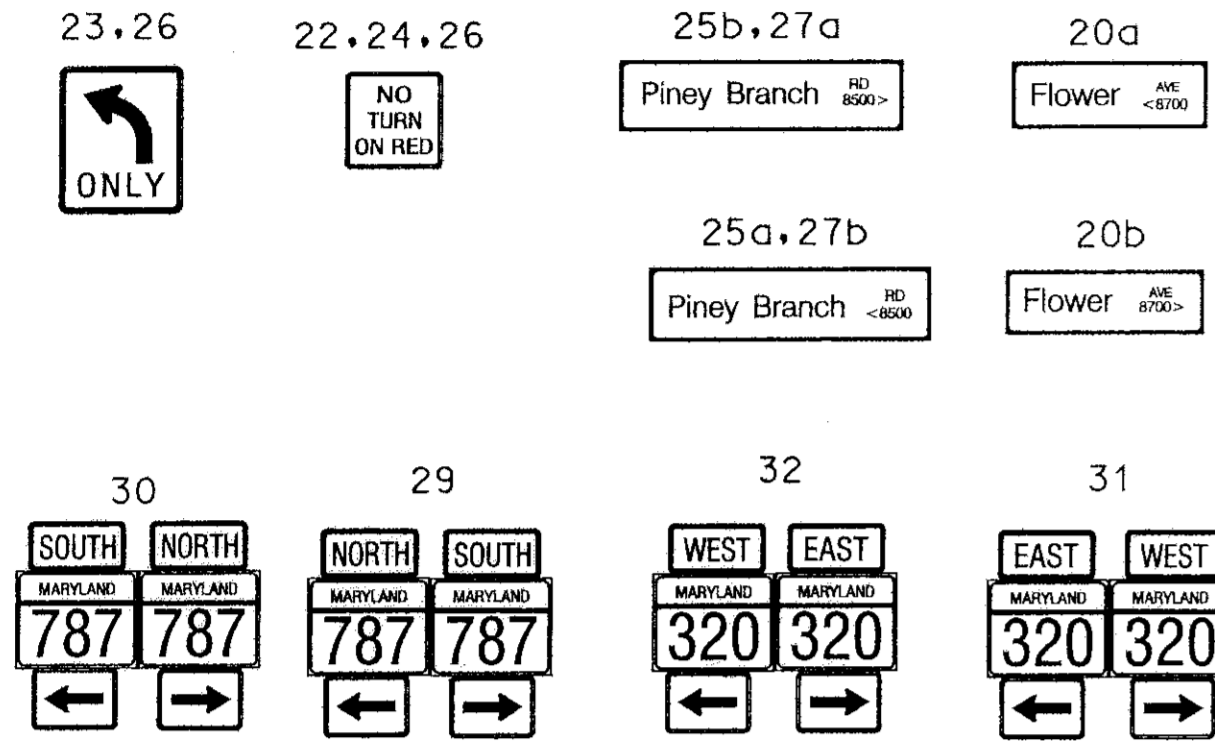
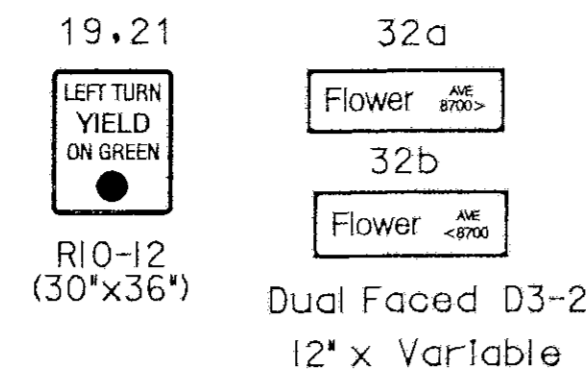


MD 320 is assumed to run in an east/west direction

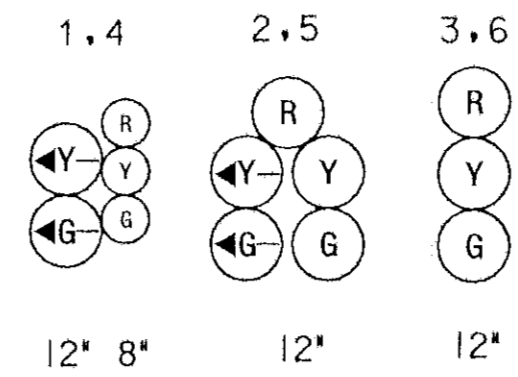
EXISTING SIGNS



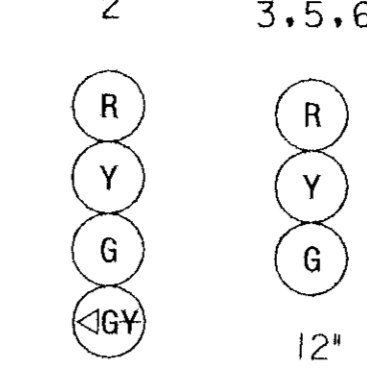
PROPOSED SIGN



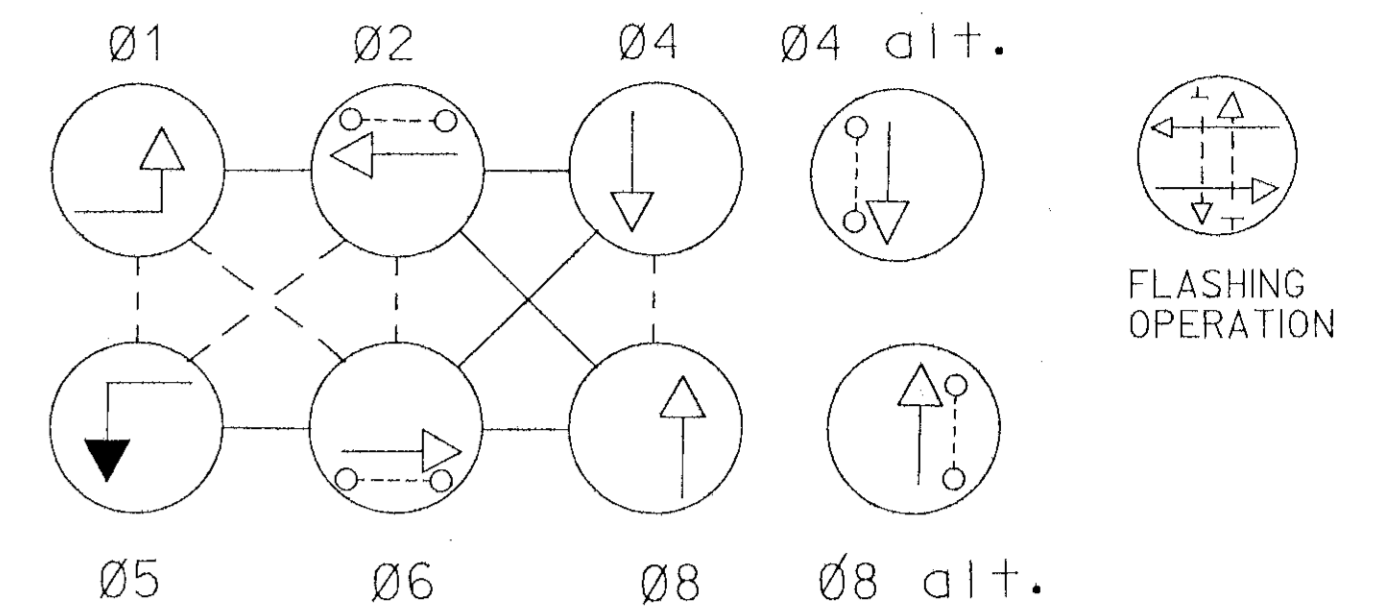
PROPOSED SIGNALS BLACK FACED



TO BE REMOVED

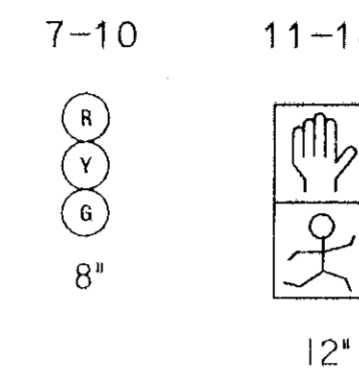


NEMA PHASING



PHASING NOTES
 PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
 PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

EXISTING SIGNALS



CONSTRUCTION DETAILS

- A. Remove existing signal head, install new 5-section signal head as shown. (BLACK FACED)
- B. Install new 8'-12" combo 5-section signal head and associated wiring as shown. (BLACK FACED)
- C. Remove existing signal head, install new 5-section signal head, and associated wiring. (BLACK FACED)
- D. Install new R10-12 sign.
- E. Install 6'x30' loop detector encased in 1/4" flex tubing (3-6-3)
- F. Remove section of 4' sidewalk install handhole and re-install 4' concrete sidewalk.
- G. Install 4" PVC conduit (schedule 80) slotted.
- H. Install 3" PVC schedule 80 conduit bend into existing pole base, install 3" weatherhead, remove section of existing sidewalk, install 3" PVC schedule 80 conduit (trenched) into new handhole and re-install 4' concrete sidewalk.
- J. Remove existing section of 4' concrete sidewalk, install 4" PVC conduit (schedule 80) trenched and re-install 4' concrete sidewalk.
- K. Install 1" liquid tight flexible non-metallic electrical conduit (detector wire sleeve).
- L. Remove section of 4' concrete sidewalk remove existing handhole, install new handhole and replace 4' concrete sidewalk.
- M. Remove existing curb and gutter and replace with depressed curb and gutter and install ADA ramp as shown
- N. Remove existing curb and gutter, and handloop ramp and replace with depressed curb and gutter and install ADA ramp.
- P. Install Dual Faced D3-2 street name sign
- Q. Remove existing signal head and replace with Black Faced Signal Head

UTILITY LEGEND

G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES

- Notes:**
- Utilities not marked at time of survey
 - Sidewalk to be replaced with same type.

REVISIONS	APPROVALS

INSTALL W/B E/P PHASING MD 320 UPGRADE E/B E/P FOR MD 320 AND REPLACE ALL LOOPS. 7/99

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 320 (Piney Branch) at MD 787 (Flower Ave.)

DRAWN BY: Redrawn by JAH	F.A.P. NO. 2684A	TS NO. 2684A	SHEET NO. 01 OF 32
CHECKED BY: M. Huet	S.H.A. NO. MOBETA55/65	T.I.M.S. NO. 0419	
SCALE: 1"=20'	COUNTY: MONTGOMERY	LOG MILE: 15032001.63	
DATE: 7/99			