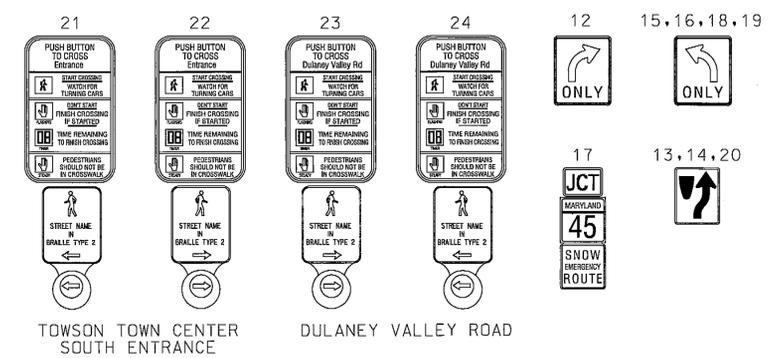


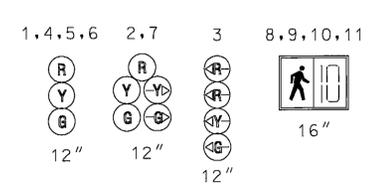
MD 146 IS ASSUMED TO RUN IN A NORTH / SOUTH DIRECTION

TO TOWSON

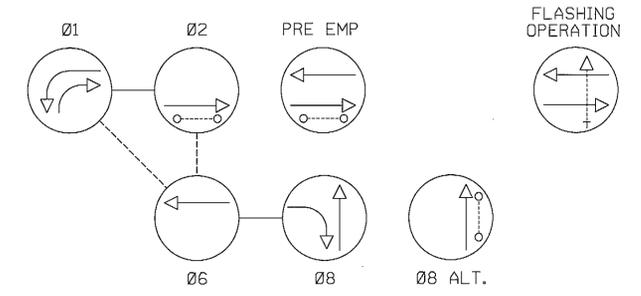
**EXISTING SIGNS TO REMAIN**



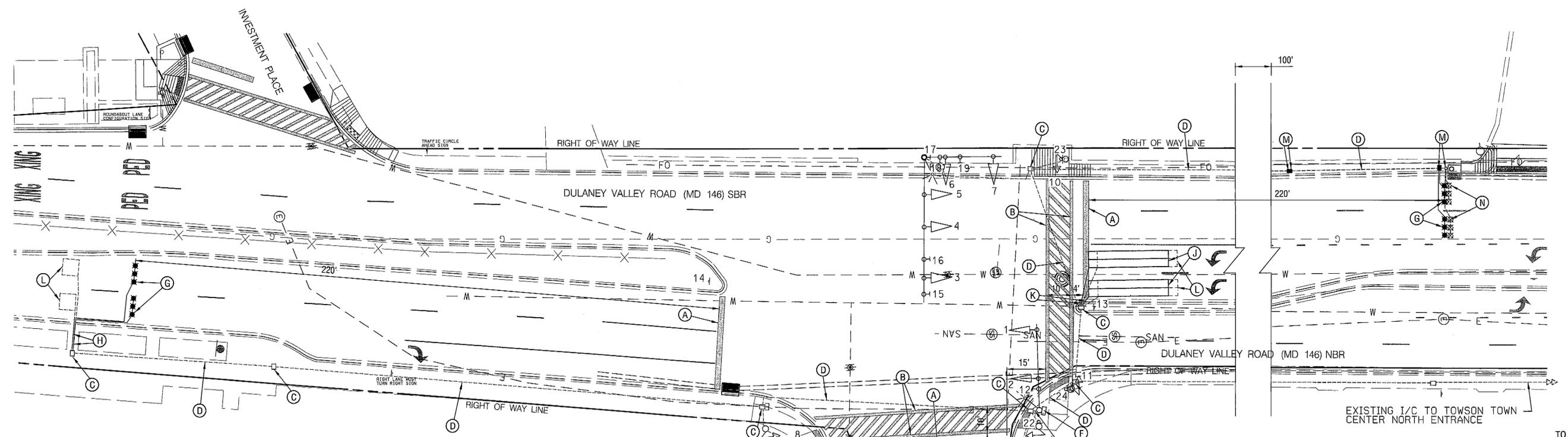
**EXISTING SIGNALS**



**NEMA PHASING**



NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



**GENERAL NOTES**

1. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
2. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
4. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
5. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.
6. FOR FINAL PAVEMENT MARKINGS AND PROPOSED SIGNAGE, OTHER THAN THOSE DETAILED ON THE PLAN, REFER TO THE CONTRACT DOCUMENTS. ALL PAVEMENT MARKINGS AND PROPOSED SIGNAGE SHALL BE INSTALLED IN ACCORDANCE WITH MD SHA STANDARDS.
7. ALL PROPOSED CROSSWALKS SHALL BE CENTERED ON THE EXISTING/PROPOSED RAMPS.

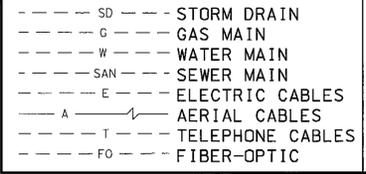
**CONSTRUCTION DETAILS**

- A. INSTALL 24 IN. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- B. INSTALL 12 IN. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
- C. USE EXISTING HANDHOLE.
- D. USE EXISTING CONDUIT.
- E. EXISTING LOOP DETECTOR TO REMAIN.
- F. USE EXISTING CABINET AND CONTROLLER.
- G. INSTALL MICROLOOP PROBE SET.
- H. INSTALL 1 IN. ELECTRICAL CONDUIT - GALVANIZED SLEEVE.
- J. INSTALL 6' X 30' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING QUADRUPLE TYPE (3-6-3).
- K. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (FOR DETECTOR WIRE SLEEVE).
- L. ABANDON EXISTING LOOP DETECTOR.
- M. REMOVE EXISTING DPW CONDUIT BOX AND REPLACE WITH NEW HANDHOLE.
- N. ABANDON EXISTING MICRO-LOOP PROBE SET, DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER

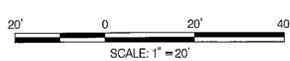
**GEOMETRIC LEGEND**



**UTILITY LEGEND**



- 1 REDLINE NO.1 8/17/12 REPLACED SHEET
- 3 ADDENDUM NO.3 7/9/12 REPLACED SHEET



PREPARED BY  
**URS**  
HUNT VALLEY, MARYLAND

APPROVALS	REVISIONS
<b>ORIGINAL ON FILE</b>	INSTALL VIDEO DETECTION CAMERA SHA NO: 24825177 TMS# 1371 JMK/CS SDY 1/11 RDB/mpl/csw
	REMOVE EXISTING PED INSTALL APS INDICATIONS SHA NO: BV990M02
	FDB
	ASSEMBLY SHA NO: AM-103-001-005
	RRZ

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

MD 146 (DULANEY VALLEY ROAD) AND  
TOWSON TOWN CENTER SOUTH ENTRANCE  
TOWSON, MARYLAND

**TRAFFIC SIGNAL PLAN**

SCALE 1" = 20' DATE 4/9/1996 CONTRACT NO. B165501478

DESIGNED BY D. PETERS COUNTY BALTIMORE  
DRAWN BY AP LOGMILE 03014600.10  
CHECKED BY T.J.M.S. NO. 1533  
F.A.P. NO. N/A TOD NO.

TS NO. 3570-E DRAWING NO. **SG** - 1 OF 2 SHEET NO. 35 OF 44

BY: JVogt