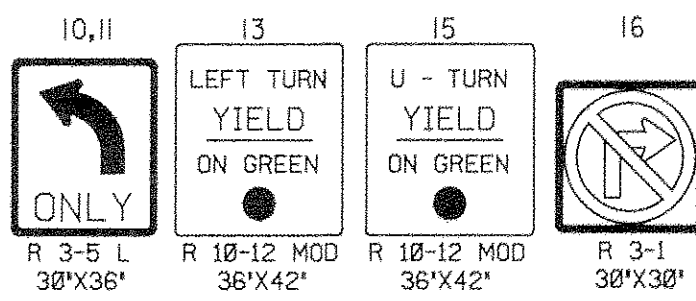


CONSTRUCTION DETAILS

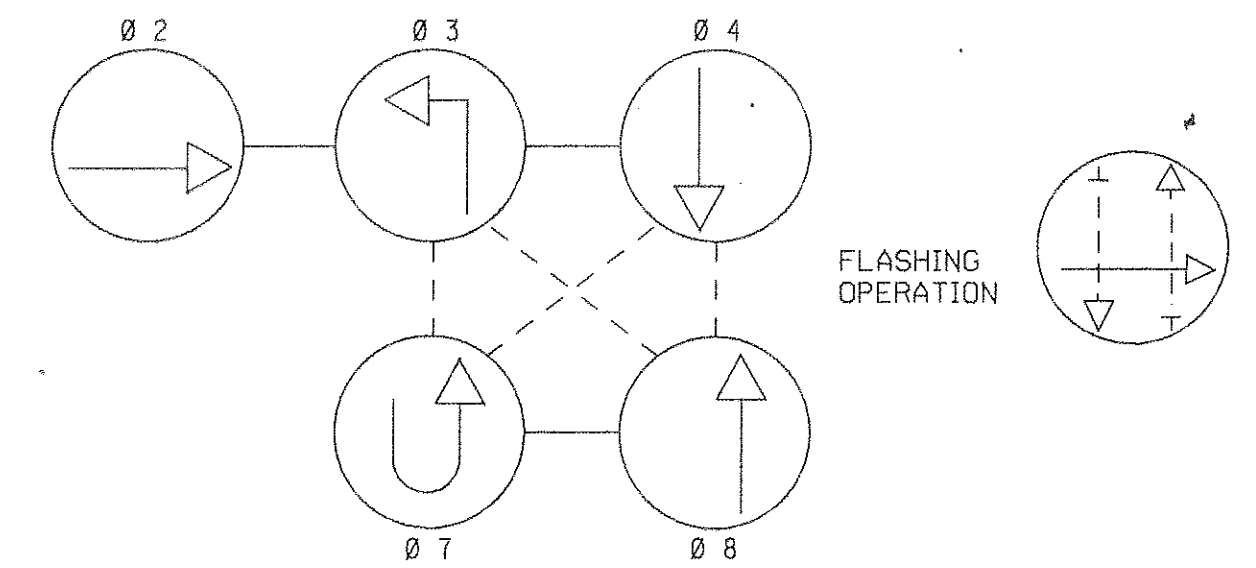
PHASE IV

- A. EXISTING CABINET/CONTROLLER ARE TO BE UTILIZED.
- B. INSTALL MICRO LOOP PROBE-TYPE VEHICLE DETECTORS.
- C. INSTALL 1 IN. LIQUID-TIGHT NON-METALLIC CONDUIT FOR LOOP DETECTOR SLEEVE.
- D. USE EXISTING HANDHOLE AND SPLICE NEW LOOP WIRE TO EXISTING 2-CONDUCTOR ALUMINUM-SHIELDED CABLE.
- E. USE EXISTING HANDHOLE.
- F. USE EXISTING SPAN WIRE. INSTALL VEHICLE SIGNAL HEADS AND SIGNS, RELOCATE SIGNAL HEAD AND REMOVE EXISTING SIGNAL HEADS.
- G. USE EXISTING SPAN WIRE.
- H. USE EXISTING SPAN WIRE. INSTALL VEHICLE SIGNAL HEADS AND SIGN, RELOCATE EXISTING SIGN, AND REMOVE EXISTING SIGNAL HEADS.
- J. USE EXISTING STRAIN POLE.
- K. USE EXISTING CONDUIT.

SIGNS

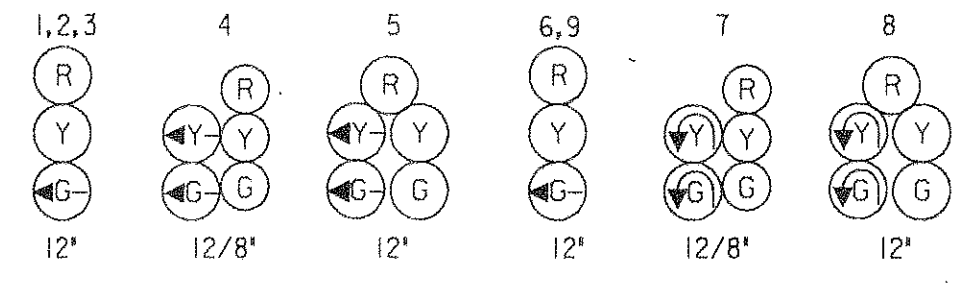


NOTE: SIGNALS 1, 2, 3 AND SIGNS 10, 11, 16 ARE EXISTING AND ARE TO REMAIN.
 SIGNAL 9 AND SIGNS 12, 13, 14 ARE EXISTING AND ARE TO BE RELOCATED.
 SIGNALS 4, 5, 6, 7, 8 AND SIGN 15 ARE PROPOSED.



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

SIGNALS



GENERAL NOTES

1. THE CONDUIT TO BE INSTALLED ACROSS THE PROPOSED ROADWAY SHALL BE TRENCHED PRIOR TO PAVEMENT CONSTRUCTION.
2. DETECTORS SHALL BE INSTALLED PRIOR TO FINAL PAVEMENT SURFACE COURSE.
3. THE CONTRACTOR SHALL CONFIRM THE LOCATIONS OF THE PROPOSED GEOMETRICS PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
4. FOR THE LOCATION OF THE "ARROW" AND "ONLY" PAVEMENT MARKINGS AND SIGNS, SEE THE SIGNING AND PAVEMENT MARKING PLAN SN-2.4.
5. ALL POLE AND CABINET FOUNDATIONS AND HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

ULTIMATE SIGNAL

DWG. NO. TS-17

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety
 TRAFFIC ENGINEERING DESIGN DIVISION

MD 450 (ANNAPOLIS ROAD) AT MD 704 (MARTIN LUTHER KING JR. HWY)

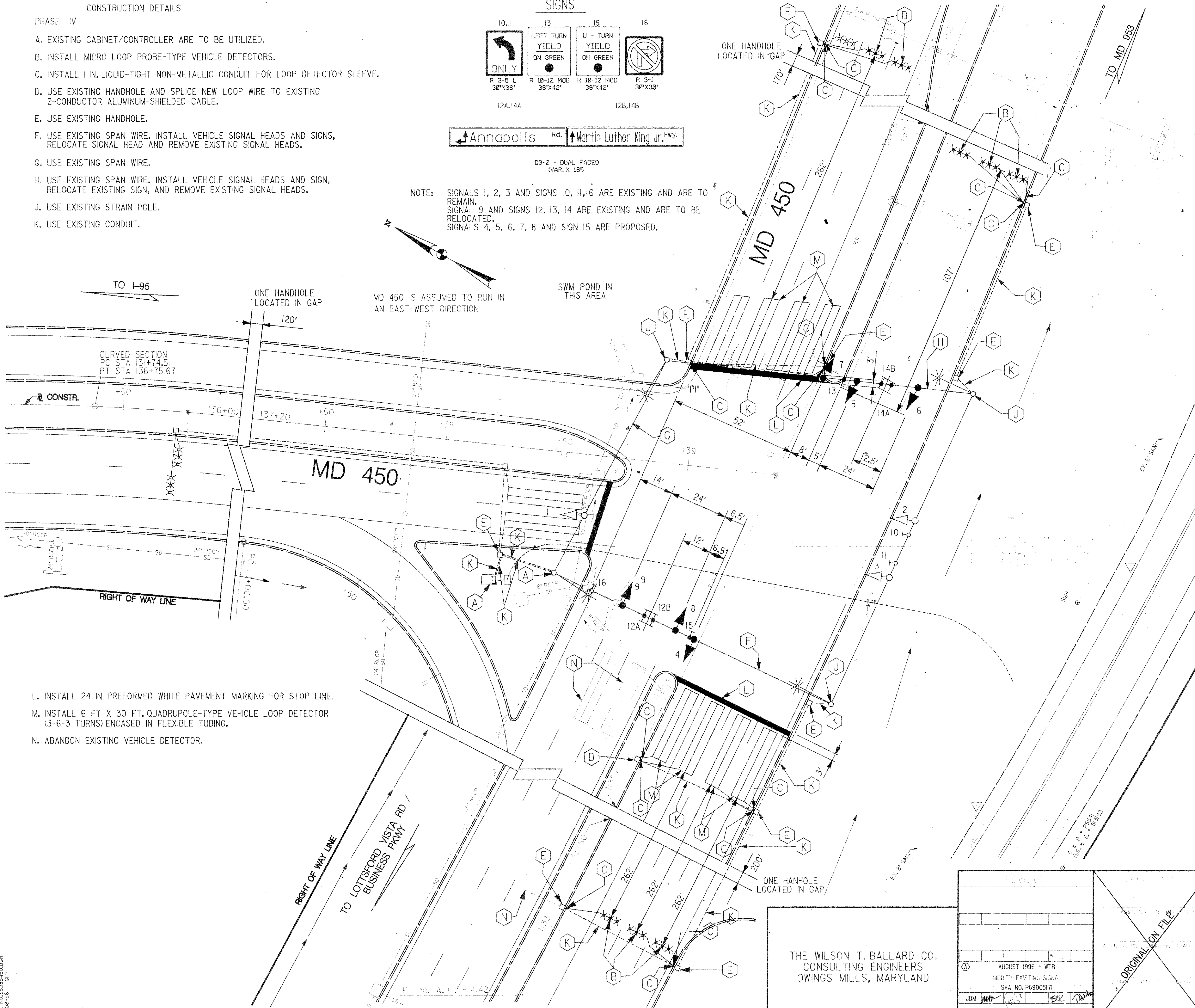
LOG MILE NO. 16045007.35 DATE 2 6 91

DESIGNED BY D. A. NIES D. DODA 7/25/91 E. MILESKY 7/26/91	SEE TITLE SHEET P-981-451-385	SCALE 1"=20'	PROJECT NO. TS-3167A-P	SHEET NO. 363 OF 465
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THE WILSON T. BALLARD CO.
 CONSULTING ENGINEERS
 OWINGS MILLS, MARYLAND

DATE AUGUST 1996 - WTB	REVISED
DESCRIPTION MODIFY EXISTING SIGNALS	
SHA NO. PG9005171	
DESIGNED BY JDM	CHECKED BY ERL

ORIGINAL ON FILE



FILE NO. 55356460.DGN
 09-08-96 GFB