F.H.W.A. REGION NO.	STATE	F.A.P. NO. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	SEE TITLE SHEET	347	465

CONSTRUCTION DETAILS

PHASE II

A. USE EXISTING BASE-MOUNTED CABINET/CONTROLLER.
B. USE EXISTING SPAN WIRE. INSTALL VEHICLE SIGNAL HEADS, RELOCATE EXISTING SIGN, REMOVE VEHICLE SIGNAL HEADS AND COVER EXISTING SIGN AS SHOWN. (NOTE: PROVIDE APPROXIMATELY 50 FT. OF ADDITIONAL ELECTRICAL CABLE FOR EACH SIGNAL HEAD FOR USE DURING ROADWAY CONSTRUCTION PHASING/STAGING)
C. USE EXISTING SPAN WIRE. INSTALL VEHICLE SIGNAL HEAD, RELOCATE EXISTING SIGNAL HEADS AND COVER EXISTING SIGN AS SHOWN. (NOTE: PROVIDE APPROXIMATELY 50 FT. OF ADDITIONAL ELECTRICAL CABLE FOR EACH SIGNAL HEAD FOR USE DURING ROADWAY CONSTRUCTION PHASING/STAGING)
D. INSTALL HANDHOLE.
E. INSTALL 1 IN. LIQUID-TIGHT, NON-METALLIC CONDUIT FOR LOOP DETECTOR SLEEVE.
F. INSTALL 2 IN. POLYVINYL CHLORIDE (SCH. 40) ELECTRICAL CONDUIT-TRENCHED.
G. USE EXISTING HANDHOLE.
H. INSTALL 1 IN. GALVANIZED STEEL CONDUIT FOR LOOP DETECTOR SLEEVE.
I. USE EXISTING CONDUIT.
J. USE EXISTING HANDHOLE. SPLICE NEW LOOP WIRE TO EXISTING 2 CONDUCTOR CABLE (ALUMINUM SHIELDED).

SIGNS

13A,14A: Forbes Blvd.
13B,14B: Forbes Blvd.

D3-2 - DUAL FACED
VAR. X 16'

15 EAST MARYLAND 450 — 30" X 51"
16 WEST MARYLAND 450 — 48" X 75"
17 WEST MARYLAND 450 — 30" X 51"
18 EAST MARYLAND 450 — 48" X 75"

ASSOCIATED SHIELD ASSEMBLY

B1,B2,B3 LEFT TURN YIELD ON GREEN
R 10-12
36" X 42"

SIGNALS

1,2,3,4,5,6,7,9,10,11,12, 8
R Y G — 12'
R Y G — 12'

MD 450 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

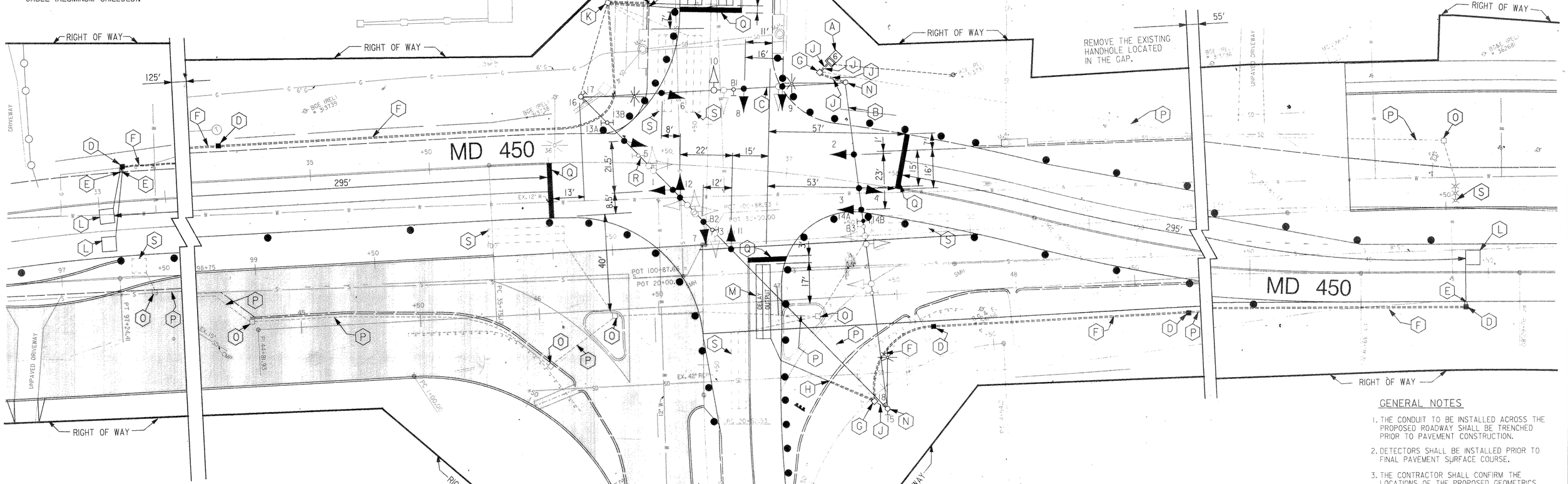
NOTE: SIGNALS 1,7,9 AND SIGN 14 ARE EXISTING AND ARE TO BE RELOCATED.
SIGNALS 2-6,11,12 ARE PROPOSED.
SIGNAL 10 AND SIGNS 13,15,16,17,18 ARE EXISTING AND ARE TO REMAIN.
SIGNAL 8 IS EXISTING, IS TO BE RELOCATED AND THE YA+GA ARE TO BE COVERED.
SIGNS B1,B2,B3 ARE EXISTING AND ARE TO BE COVERED.

Ø 2 Ø 4 Ø 6 Ø 8

FLASHING OPERATION

PHASING NOTES

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



L. INSTALL 6 FT. X 6 FT. VEHICLE LOOP DETECTOR (4 TURNS) ENCASED IN FLEXIBLE TUBING.
M. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE VEHICLE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN FLEXIBLE TUBING.
N. USE EXISTING STRAIN POLE.
O. REMOVE EXISTING HANDHOLE.
P. CAP AND ABANDON OR REMOVE EXISTING CONDUIT.
Q. INSTALL 24 IN. WIDE PREFORMED PAVEMENT MARKING FOR STOP LINE.
R. USE EXISTING SPAN WIRE. INSTALL VEHICLE SIGNAL HEADS, RELOCATE EXISTING VEHICLE SIGNAL HEADS, REMOVE EXISTING VEHICLE SIGNAL HEADS AND COVER EXISTING SIGN AS SHOWN.
S. ABANDON EXISTING VEHICLE DETECTOR.

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 TRAFFIC CONTROL PLAN TCP-23.
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
STORM DRAIN	SD
CABLE TV	TV

TEMPORARY SIGNAL PHASE II

DWG. NO. TS-2A

THE WILSON T. BALLARD CO.
CONSULTING ENGINEERS
OWINGS MILLS, MARYLAND

REVISIONS

A AUGUST 1996 - WTB
MODIFY EXISTING SIGNAL
SHA NO. PG9005171

JDM | BSK

APPROVALS

ORIGINAL ON FILE

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

MD 450 (ANNAPOLIS ROAD) AT FORBES BLVD.

LOG MILE NO. 16045006.59 DATE 5 20 96

DRAWN BY:	S. BLOSS	F.A.P. NO.	N/A	PLAN SHEET NO.	SHEET NO.
CHECK BY:	T. HANNAN	J.N.A. NO.	N/A		
SCALE:	1"=20'	COUNTY:	PRINCE GEORGES	TS-3600A-X2-P	347 OF 465

FILE NO.SS45S450.DGN
09-30-96 LJS