MD 24 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS

21,24,25,28 — Vietnam Veterans Memorial HWY — D-3(1) DUAL FACE (VAR.x16")

EXISTING VIDEO DETECTION

a,b

VIDEO ZONE DETECTION

a

PROPOSED SIGNALS

9,12 — 8"/12"

10,13 — 12"

EXISTING SIGNALS TO BE RELOCATED

1,5 — 12"

EXISTING SIGNALS TO BE REMOVED

9A,12A — 8"

10A,13A — 12"

EXISTING SIGNALS TO REMAIN

2,6 — 12"

3,4,7,8,11,14 — 12"

NEMA PHASING

01 02 03 04 05 06

FLASHING OPERATION

EXISTING SIGNS TO REMAIN

15,17,18,20 — Ring Factory RD — D-3(2) (VAR.x16") DUAL FACED

16,19 — LEFT ON GREEN ARROW ONLY (30"x36")

22 — SOUTH MARYLAND 24 — M1-5(6) SHIELD ASSEMBLY (24"x48")

23 — NORTH MARYLAND 24 — M1-5(6) SHIELD ASSEMBLY (36"x72")

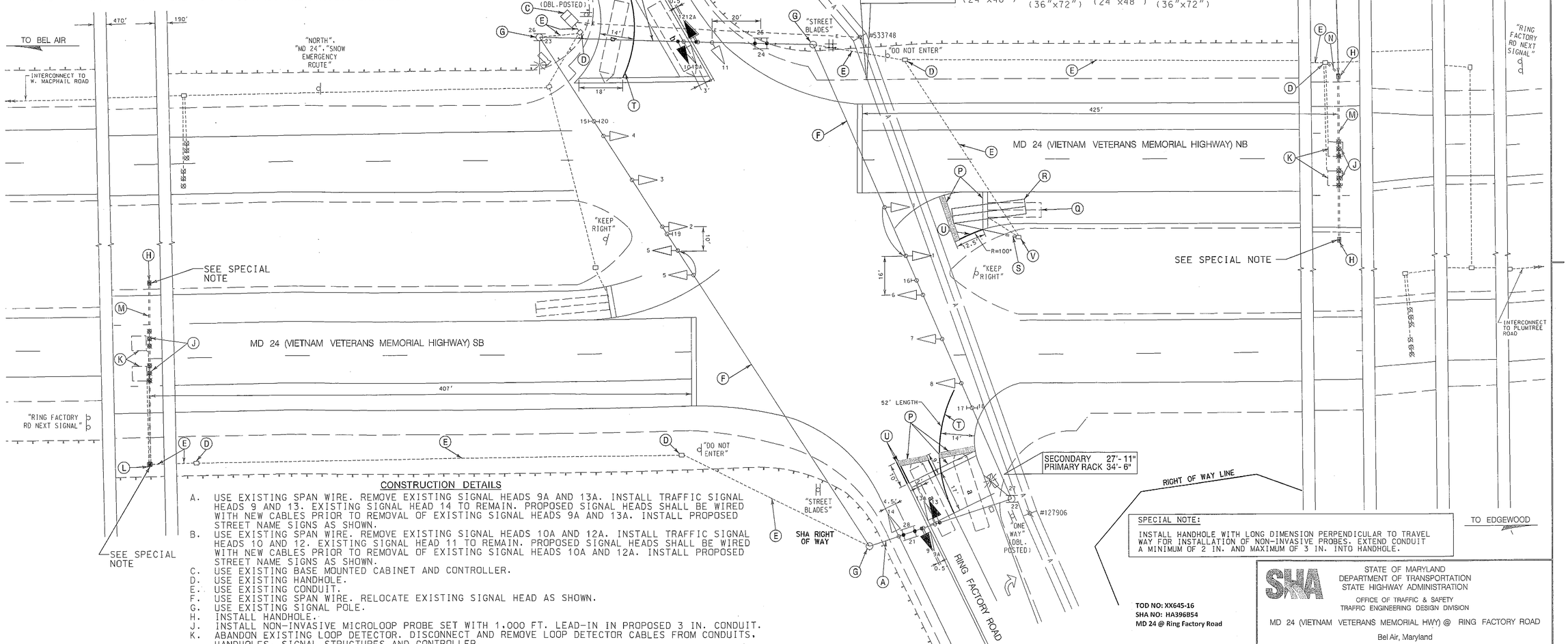
26 — NORTH MARYLAND 24 — M1-5(6) SHIELD ASSEMBLY (24"x48")

27 — SOUTH MARYLAND 24 — M1-5(6) SHIELD ASSEMBLY (36"x72")

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

GENERAL NOTES

1. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
3. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
4. 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.



SPECIAL NOTE:

INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO TRAVEL WAY FOR INSTALLATION OF NON-INVASIVE PROBES. EXTEND CONDUIT A MINIMUM OF 2 IN. AND MAXIMUM OF 3 IN. INTO HANDHOLE.

CONSTRUCTION DETAILS

A. USE EXISTING SPAN WIRE. REMOVE EXISTING SIGNAL HEADS 9A AND 13A. INSTALL TRAFFIC SIGNAL HEADS 9 AND 13. EXISTING SIGNAL HEAD 14 TO REMAIN. PROPOSED SIGNAL HEADS SHALL BE WIRED WITH NEW CABLES PRIOR TO REMOVAL OF EXISTING SIGNAL HEADS 9A AND 13A. INSTALL PROPOSED STREET NAME SIGNS AS SHOWN.
B. USE EXISTING SPAN WIRE. REMOVE EXISTING SIGNAL HEADS 10A AND 12A. INSTALL TRAFFIC SIGNAL HEADS 10 AND 12. EXISTING SIGNAL HEAD 11 TO REMAIN. PROPOSED SIGNAL HEADS SHALL BE WIRED WITH NEW CABLES PRIOR TO REMOVAL OF EXISTING SIGNAL HEADS 10A AND 12A. INSTALL PROPOSED STREET NAME SIGNS AS SHOWN.
C. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER.
D. USE EXISTING HANDHOLE.
E. USE EXISTING CONDUIT.
F. USE EXISTING SPAN WIRE. RELOCATE EXISTING SIGNAL HEAD AS SHOWN.
G. USE EXISTING SIGNAL POLE.
H. INSTALL HANDHOLE.
J. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 1,000 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT.
K. ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
L. REMOVE EXISTING HANDHOLE AND RE-INSTALL IN-KIND ROTATING HANDHOLE 90 DEGREES TO ROADWAY ON TOP OF EXISTING CONDUIT HEADING WEST LEAVING 6 IN. PROTRUDING INTO HANDHOLE.
M. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
N. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
P. REMOVE EXISTING AND INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
Q. ABANDON EXISTING LOOP DETECTOR.
R. INSTALL 6 FT. x 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
S. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT.(FOR DETECTOR WIRE SLEEVE).
T. INSTALL 5 IN. WHITE HEAT APPLIED PAVEMENT MARKING.
U. INSTALL 5 IN. YELLOW HEAT APPLIED PAVEMENT MARKING.
V. USE EXISTING HANDHOLE. SPLICE NEW LOOP WIRE TO EXISTING 2-CONDUCTOR NO. 14 AWG (ALUMINUM SHIELDED) ELECTRICAL CABLE.

WR&A
WHITMAN, REQUARDT & ASSOCIATES, LLP
801 South Caroline Street, Baltimore, Maryland 21231

BY: lwaesche

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD — STORM DRAIN
G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
A — AERIAL CABLES
T — TELEPHONE CABLES
F — FIBER-OPTIC

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

G — REVISE SIGNAL FOR RING FACTORY ROAD SPLIT PHASING TIMS NO. K933 CONTRACT SHA NO.XX645185 10/12/2011
F — REVISED FOR VIDEO DETECTION FOR RING FACTORY ROAD 07/05/2005
E — ADD SOUTHBOUND AND NORTHBOUND LEFT TURNS 09/17/1997

JJ		DJD	DAZ		
EMM CFR	MSC	MAR	DAZ	BRK	CS

TOD NO: XX645-16
SHA NO: HA396B54
MD 24 @ Ring Factory Road

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 24 (VIETNAM VETERANS MEMORIAL HWY) @ RING FACTORY ROAD

Bel Air, Maryland

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE _____ CONTRACT NO. B 368X-000-485

DESIGNED BY _____ COUNTY Harford
DRAWN BY B.THOMPSON LOGMILE 12002407.78
CHECKED BY C.K.DODGE TIMS NO. N/A
F.A.P. NO. _____ TOD NO. _____

TS NO. 1950G DRAWING TSP-1 OF 2 SHEET NO. 1 OF 2

PLOTTED: Friday, October 14, 2011 AT 07:04 AM
FILE: N:\31669-171\CADD\pSG-P001_K933.dgn