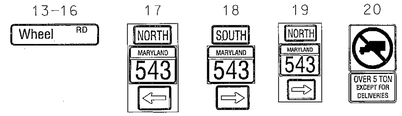
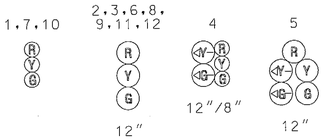
EXISTING SIGNS



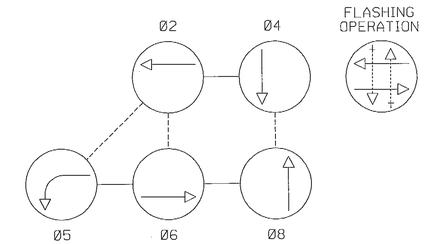
EXISTING SIGNALS



PROPOSED VIDEO DETECTION CAMERA

a,b,c

NEMA PHASING



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

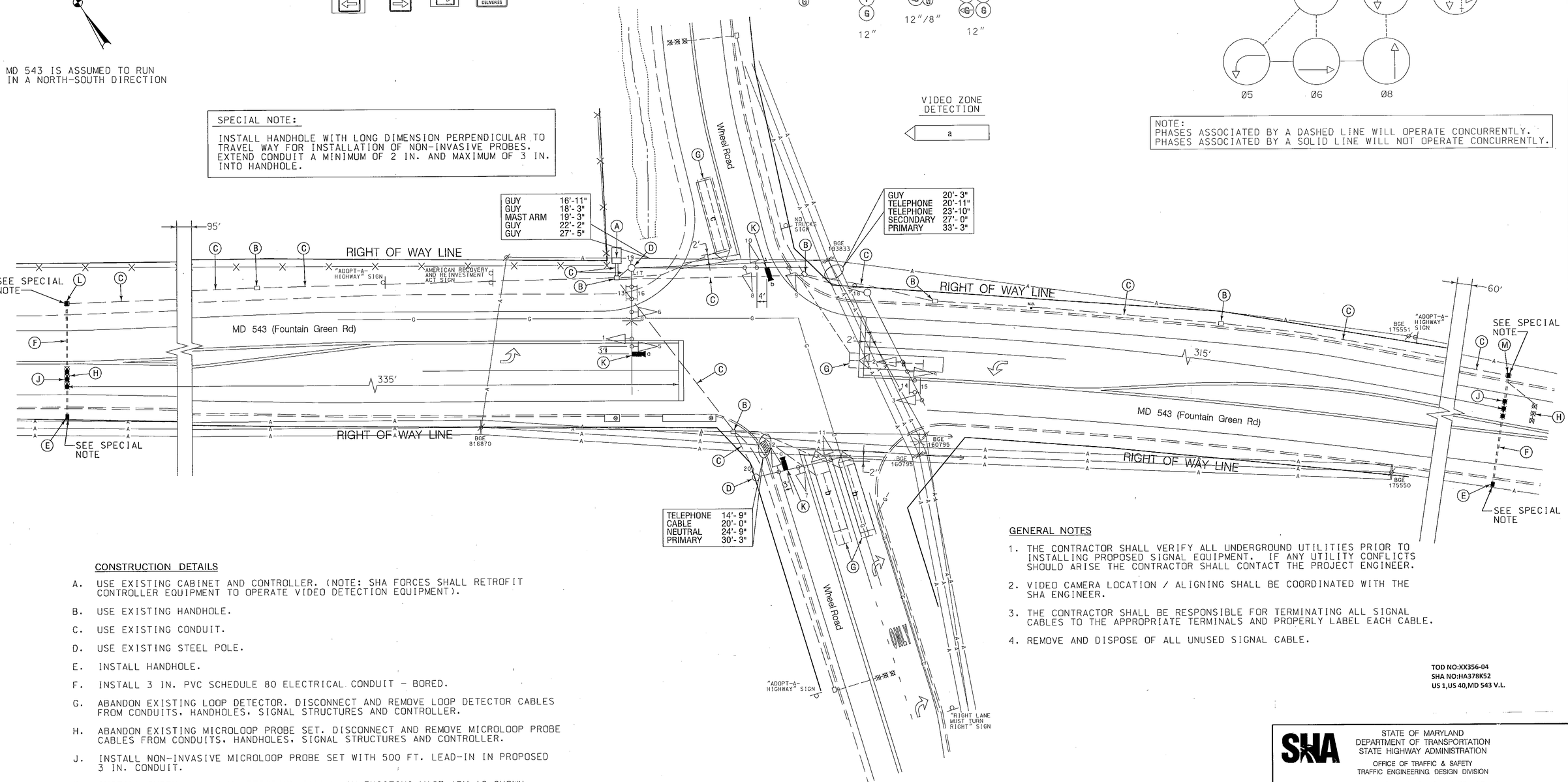
MD 543 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

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.

VIDEO ZONE DETECTION

a



CONSTRUCTION DETAILS

A. USE EXISTING CABINET AND CONTROLLER. (NOTE: SHA FORCES SHALL RETROFIT CONTROLLER EQUIPMENT TO OPERATE VIDEO DETECTION EQUIPMENT).

B. USE EXISTING HANDHOLE.

C. USE EXISTING CONDUIT.

D. USE EXISTING STEEL POLE.

E. INSTALL HANDHOLE.

F. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.

G. ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.

H. ABANDON EXISTING MICROLOOP PROBE SET. DISCONNECT AND REMOVE MICROLOOP PROBE CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.

J. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 500 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT.

K. INSTALL OVERHEAD VIDEO DETECTION CAMERA ON EXISTING MAST ARM AS SHOWN.

L. REMOVE EXISTING HANDHOLE AND RE-INSTALL IN-KIND ROTATING HANDHOLE 90 DEGREES TO ROADWAY ON TOP OF EXISTING CONDUIT HEADING SOUTH LEAVING 6 IN. PROTRUDING INTO HANDHOLE.

M. REMOVE EXISTING HANDHOLE AND RE-INSTALL IN-KIND ROTATING HANDHOLE 90 DEGREES TO ROADWAY ON TOP OF EXISTING CONDUIT HEADING NORTH LEAVING 6 IN. PROTRUDING INTO HANDHOLE.

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. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
4. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.

TOD NO:XX356-04
SHA NO:HA378K52
US 1,US 40,MD 543 V.L.

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

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR
ORIGINAL ON FILE

REVISIONS
(B) UPGRADED TO VIDEO DETECTION AND NON INVASIVE PROBES. ASBUILT. CONTRACT NO.XX3565168 9/25/2009
SRB NMB
(A) UPGRADE FROM I.C.B. TO FULL TRAFFIC SIGNAL 10/90
DBD ERS EDP TH

PLOTTED: 09-29-2009
FILE: n:\31556-182\CADD\pSG-P002_J906.dgn

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

MD 543 (Fountain Road) and Wheel Road

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE 9/1990 CONTRACT NO.

DESIGNED BY R.R. Zacheral (FOR STS)
DRAWN BY Derrick Dickerson
CHECKED BY
F.A.P. NO.
COUNTY Harford
LOGMILE 12.05-12.25
TIMS NO. J906
TOD NO.

TS NO. 2401 B | DRAWING TSP-2 OF 6 | SHEET NO. 2 OF 6

BY: sbloss