MD 7 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNS TO BE REMOVED

10A — Hospital Drive — W2-2L (24"x48") D-3(2) (VAR.x16")

12A — Hospital Drive — W2-2R (24"x48") D-3(2) (VAR.x16")

14A — STOP — R1-1 (24"x24")

EXISTING SIGNS TO REMAIN

11,13 — Hospital DR — D-3(1) (VAR.x16")

15,17 — Philadelphia no — D-3 (VAR.x12")

PROPOSED SIGNS

10,12 — NEW — Hospital DR

EXISTING D9-2 (24"x24") RELOCATED FROM EXISTING WOOD SUPPORT

W3-3 (36" x 36") W/"NEW" PANEL (24" x 24") AND FLAGS AND D-3(2) (VAR. x 16") B/FY

14 — WEST MARYLAND 7 — M1-5(6) SHIELD ASSEMBLY (24"x48")

16 — EAST MARYLAND 7 — M1-5(6) SHIELD ASSEMBLY (36"x72")

SIGNS TO REMAIN AFTER REMOVAL OF FLAGS AND NEW PANEL

PROPOSED VIDEO DETECTION CAMERA

a,b,c,d

EXISTING SIGNALS TO BE REMOVED

1A-5A — Y — 12"

6A,7A — R — 12"

PROPOSED LED SIGNALS

1 — 12"/8"

2 — 12"

3-8 — 12"

NEMA PHASING

Ø1 Ø2 Ø4 Ø6

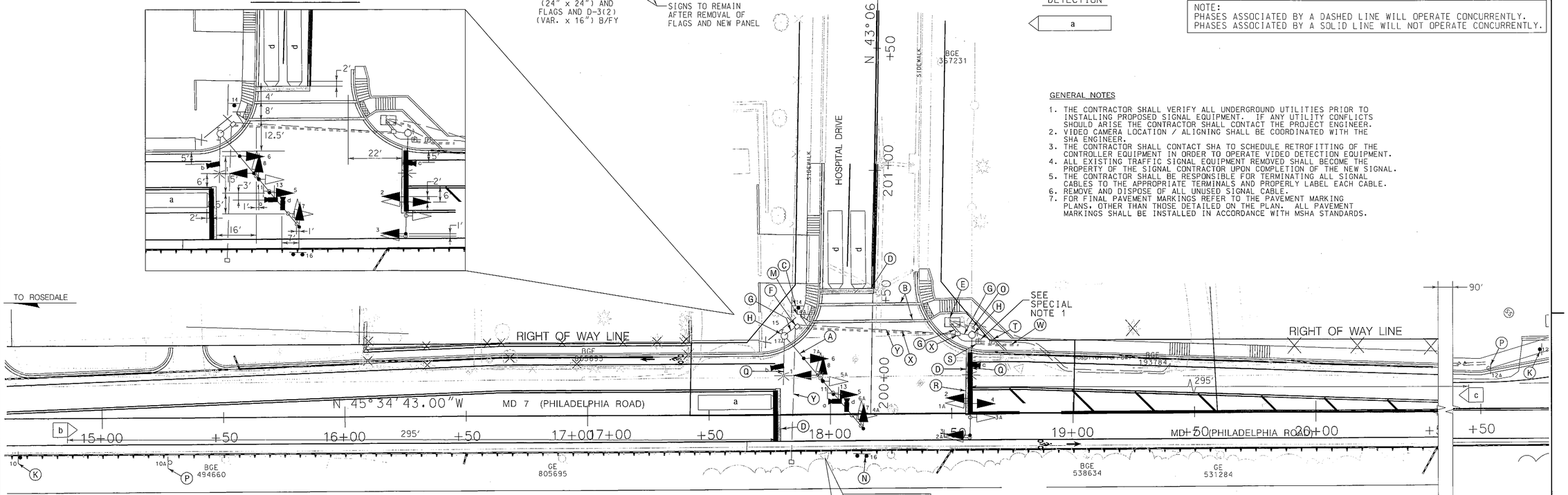
FLASHING OPERATION

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

DIMENSION DIAGRAM

VIDEO ZONE DETECTION

a



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 CONTACT SHA TO SCHEDULE RETROFITTING OF THE CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION EQUIPMENT.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
6. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
7. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.

CONSTRUCTION DETAILS

A. USE EXISTING MAST ARM AND REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW LED SIGNAL HEADS. INSTALL OVERHEAD VIDEO DETECTION CAMERAS ON EXISTING MAST ARM AS SHOWN.
B. INSTALL 12 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK.
C. INSTALL M1-5(6) SIGN (24"x48") "WEST, MD 7, RIGHT ARROW" ON ONE 4 IN. X 6 IN. TREATED WOOD SUPPORT (L=16 FT.).
D. INSTALL 24 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
E. USE EXISTING CABINET AND CONTROLLER. (NOTE: SHA FORCES SHALL RETROFIT CONTROLLER EQUIPMENT TO OPERATE VIDEO DETECTION EQUIPMENT). USE EXISTING SPARE 2 INCH CONDUIT BEND IN CABINET BASE.
F. USE EXISTING HANDHOLE.
G. USE EXISTING CONDUIT.
H. USE EXISTING STEEL POLE.
J. NOT USED.
K. INSTALL W3-3 "SIGNAL AHEAD" SIGN (36 IN. x 36 IN.) WITH "NEW" PANEL AND FLAGS AND AND D-3(2) (VARIABLE x 16") SIGN ON TWO 4 IN. x 6 IN. TREATED WOOD POSTS APPROXIMATELY 650 FT. IN ADVANCE OF THE INTERSECTION ON EASTBOUND AND WESTBOUND MD 7. (L1=22, L2=22)
L. NOT USED.
M. REMOVE EXISTING R1-1 SIGN AND SUPPORT.
N. INSTALL M1-5(6) SIGN (36"x72") "EAST, MD 7, LEFT ARROW" ON TWO 4 IN. X 6 IN. TREATED WOOD SUPPORTS (L=19 FT.).
O. INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CONDUIT SHALL TIE INTO EXISTING CONDUIT BEND IN FOUNDATION.
P. REMOVE EXISTING W2-2 AND D-3(2) AND SIGNS AND SUPPORT. RELOCATE EXISTING D9-2 TO NEW WOOD SUPPORT AS SHOWN (SIGNS 10 AND 12). RELOCATING SIGNS WILL NOT BE MEASURED BUT BE INCIDENTAL TO OTHER PERTINENT ITEMS IN THE CONTRACT.
Q. INSTALL OVERHEAD VIDEO DETECTION CAMERA ON LIGHTING BRACKET AS SHOWN.
R. USE EXISTING MAST ARM AND REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW SIGNAL HEADS AS SHOWN.
S INSTALL 100 AMP EMBEDDED METERED SERVICE PEDESTAL (STA. 18+61.15, LT. 29.5'AS DIRECTED BY ENGINEER) WITH 2-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS IN PEDESTAL BASE. EXCAVATE TO LOCATE EXISTING 2 IN. CONDUIT AND EXTEND EXISTING 2 IN. CONDUIT INTO PROPOSED EMBEDDED SERVICE PEDESTAL. EXTENDING 2 IN. CONDUIT WILL NOT BE MEASURED BUT WILL BE INCIDENTAL TO OTHER PERTINENT ITEMS IN THE CONTRACT.
T. REMOVE EXISTING METERED SERVICE PEDESTAL.
W. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CAP AND MARK CONDUITS 2 FT. ABOVE GRADE AT RELOCATED UTILITY POLE (BGE #193784), FOR USE BY OTHERS.
X. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT-BORED.
Y. CAP AND ABANDON EXISTING CONDUIT.

TELEPHONE	17'- 9"
TELEPHONE	19'- 0"
TELEPHONE	20'- 6"
CABLE	22'- 6"
SECONDARY	27'- 6"
SECONDARY	28'- 0"
SECONDARY	29'- 0"
PRIMARY	77'- 0"

SPECIAL NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH SHA TRAFFIC OPERATION DIVISION TO CONTACT LOCAL POWER COMPANY TO SET-UP WORK WITH TO DISCONNECT THE EXISTING ELECTRICAL SERVICE AND HAVE THE NEW SERVICE ENERGIZED.
2. CONTRACTOR SHALL INSTALL CONDUIT AT SUFFICIENT DEPTH TO AVOID DISTURBANCE DURING ROADWAY CONSTRUCTION. CONDUIT SHALL BE INSTALLED PRIOR TO BEGINNING ROADWAY CONSTRUCTION.

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

BY: bdonoway

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: A UPGRADE TO FULL SIGNAL TIMS# J835 CONTRACT NO. BA9445176 12/20/2011

PLOTTED: February 06, 2012
FILE: N:\31669-012\CADD\pSG-P001_J835.dgn

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

MD 7 (Philadelphia Road) and Hospital Drive
Rossville, MD

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE 2/22/2007 CONTRACT NO. AT9125185

DESIGNED BY J.W.A. COUNTY Baltimore
DRAWN BY R.C. LOGMILE G3007003.74
CHECKED BY TIMS NO. H818
F.A.P. NO. TOD NO.

TS NO. 4560 A | DRAWING TSP-1 OF 2 | SHEET NO. 34 OF 39