MD 175 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

SIGNS

10,14 — NEW

W3-3 (36" x 36") W/"NEW" PANEL (24" x 24") AND FLAGS

12,13 — Oceano AVE

16,17 — Oceano AVE

D-3(2) (VAR.X16") (DUAL FACED)

19 — WEST MARYLAND 175

SHIELD ASSEMBLY (30"x51")

21 — EAST MARYLAND 175

SHIELD ASSEMBLY (48"x75")

22 — EAST MARYLAND 175

SHIELD ASSEMBLY (30"x51")

24 — WEST MARYLAND 175

SHIELD ASSEMBLY (48"x75")

25 — R3-6 (30"x36")

27 — ONLY — R3-5(R) (30"x36")

11,15 — Oceano Avenue NEXT SIGNAL — D-3(3) (72" x 24")

18,20,23,26 — Waterloo RD — D-3(2) (VAR.X16") (DUAL FACED)

SIGNALS

1 — 12"/8"

2 — 12"

3-9 — 12"

a,b,c — PROPOSED VIDEO DETECTION

VIDEO ZONE DETECTION — a

NEMA PHASING

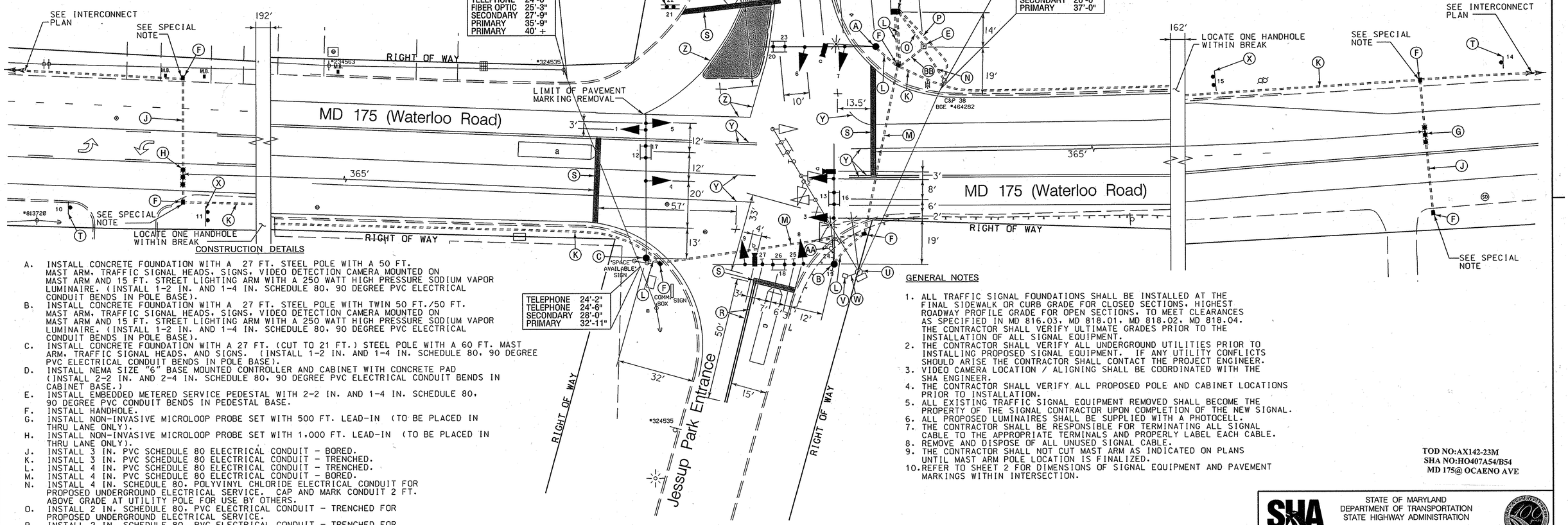
Ø1 Ø2 Ø4 Ø6 Ø8

FLASHING OPERATION

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

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. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH A 50 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA MOUNTED ON MAST ARM AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH TWIN 50 FT./50 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA MOUNTED ON MAST ARM AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
C. INSTALL CONCRETE FOUNDATION WITH A 27 FT. (CUT TO 21 FT.) STEEL POLE WITH A 60 FT. MAST ARM, TRAFFIC SIGNAL HEADS, AND SIGNS. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
D. INSTALL NEMA SIZE "6" BASE MOUNTED CONTROLLER AND CABINET WITH CONCRETE PAD (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN CABINET BASE.)
E. INSTALL EMBEDDED METERED SERVICE PEDESTAL WITH 2-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS IN PEDESTAL BASE.
F. INSTALL HANDHOLE.
G. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 500 FT. LEAD-IN (TO BE PLACED IN THRU LANE ONLY).
H. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 1,000 FT. LEAD-IN (TO BE PLACED IN THRU LANE ONLY).
J. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
K. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
L. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
M. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
N. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CAP AND MARK CONDUIT 2 FT. ABOVE GRADE AT UTILITY POLE FOR USE BY OTHERS.
O. INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE.
P. INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. CAP AND MARK CONDUIT 2 FT. ABOVE GRADE AT UTILITY POLE FOR USE BY UTILITY COMPANY.
Q. INSTALL 5 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
R. INSTALL 5 IN. HEAT APPLIED, YELLOW PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.

GENERAL NOTES

1. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
2. 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.
3. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
4. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
5. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
6. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
8. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
9. THE CONTRACTOR SHALL NOT CUT MAST ARM AS INDICATED ON PLANS UNTIL MAST ARM POLE LOCATION IS FINALIZED.
10. REFER TO SHEET 2 FOR DIMENSIONS OF SIGNAL EQUIPMENT AND PAVEMENT MARKINGS WITHIN INTERSECTION.

TOD NO:AX142-23M
SHA NO:HO407A54/B54
MD 175@ OCAENO AVE

CONSTRUCTION DETAILS

S. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
T. INSTALL W3-3 "SIGNAL AHEAD" SIGN (36 IN. x 36 IN.) WITH "NEW" PANEL AND FLAGS ON ONE 4 IN. x 6 IN. TREATED WOOD POST APPROXIMATELY 625 FT. IN ADVANCE OF THE INTERSECTION ON EASTBOUND AND WESTBOUND MD 175.
U. REMOVE EXISTING STRAIN POLE AND POLE MOUNTED CABINET AND CONTROLLER. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. SHA SIGNAL SHOP SHALL BE NOTIFIED TO REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CABINET.
V. REMOVE EXISTING HANDHOLE.
W. CAP AND ABANDON EXISTING CONDUIT.
X. INSTALL D-3(3) (72" x 24") ON TWO 4 IN. x 6 IN. TREATED WOOD POSTS APPROXIMATELY 400 FT. IN ADVANCE OF THE INTERSECTION ON EASTBOUND AND WESTBOUND MD 175.
Y. REMOVE EXISTING PAVEMENT MARKING BEYOND STOPLINE.
Z. REMOVE EXSITING PAVEMENT MARKING LINE.
AA. REMOVE EXISTING R1-1 (STOP) SIGN AND SUPPORT.
BB. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
CC. INSTALL ASSOCIATED SHIELD ASSEMBLIES ON TWO 4 IN. x 6 IN. TREATED WOOD POSTS.

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BY: bdonoway

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

MD 175 AND Oceano Ave/Entr. to Jessup Park

APPROVALS: TEAM LEADER / ASST. DIV. CHIEF / DIVISION CHIEF / ADMINISTRATOR — ORIGINAL ON FILE

REVISIONS

C UPGRADE ICB TO FULL TRAFFIC CONTROL SIGNAL SHA NO. AX1425185 — BRD NML — 8/2009

B REVISE FLASHER FOR ADDITION OF 4TH LEG SHA NO. BW996M82 — JULY 7, 2000 — JES MOC

PLOTTED: 07-07-2008
FILE: n:\31556-140\CADD\pSG-P001_I484.dgn

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE ____ CONTRACT NO. ____

DESIGNED BY ____ COUNTY HOWARD
DRAWN BY ____ LOGMILE 13017500.52
CHECKED BY ____ TIMS NO. I484
F.A.P. NO. ____ TOD NO. ____

TS NO. 4001C | DRAWING TSP-1 OF 2 | SHEET NO. 1 OF 6