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

EXISTING SIGNAL HEADS TO REMAIN

1-8

12"

EXISTING SIGNAL HEADS TO BE REMOVED

9a — 16" LED COUNTDOWN PEDESTRIAN SIGNAL

10a — 12"

PROPOSED SIGNALS

9,10 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL

EXISTING SIGN TO REMAIN

11 — LANE ENDS MERGE LEFT — W9-2(4)(L) (30"x42")

EXISTING SIGNS TO BE REMOVED

12a — PUSH BUTTON TO CROSS ANNAPOLIS ROAD — (9" x 12")

13a — PUSH BUTTON TO CROSS COCKSTON ROAD — (9" x 12")

14a,16a — W11-2 (30"x30") M6-2(R) (21"x15")

15a,17a — W11-2 (30"x30") M6-2(L) (21"x15")

PROPOSED SIGNS

12 — PUSH BUTTON TO CROSS ANNAPOLIS ROAD — STREET NAME IN BRAILLE TYPE 2 — R10-3(1) (9" x 15")

13 — PUSH BUTTON TO CROSS ANNAPOLIS ROAD — STREET NAME IN BRAILLE TYPE 2 — R10-3(1) (9" x 15")

14,16 — W11-2 (36"x36") W16-7pR (24"x12")

15,17 — W11-2 (36"x36") W16-7pL (24"x12")

EXISTING CONCRETE SIDEWALK TO BE REMOVED

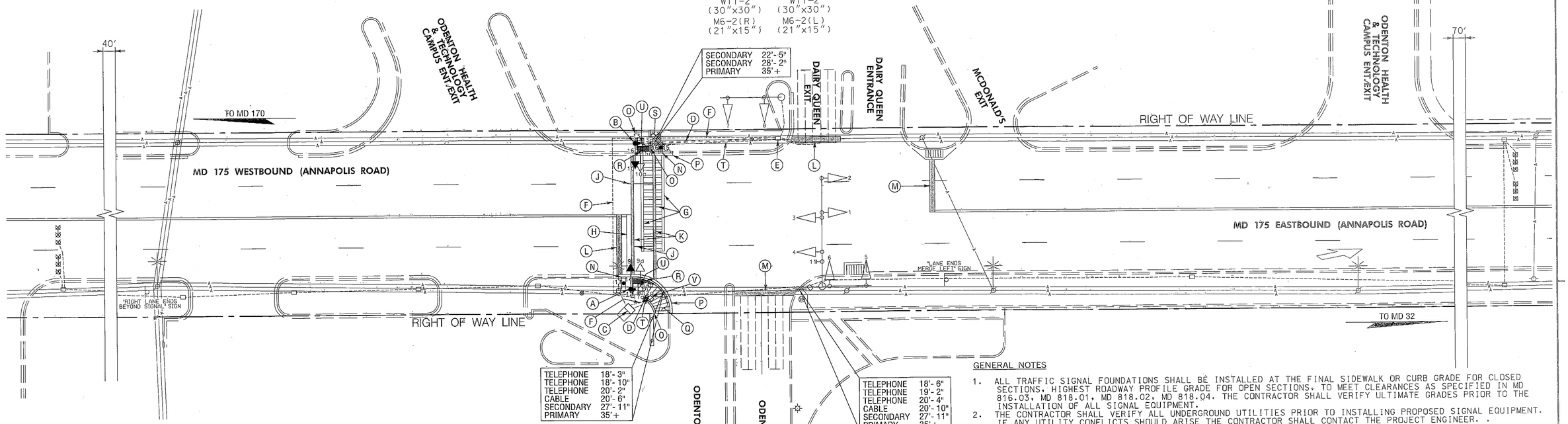
NEMA PHASING

Ø2 Ø4 Ø6 Ø8

FLASHING OPERATION

Ø4 ALT.

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



CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE STANDARD NO. MD 801.01-01, COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS ANNAPOLIS ROAD"). (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).
B. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE STANDARD NO. MD 801.01-01, COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS ANNAPOLIS ROAD"). (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).
C. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT.
D. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
E. USE EXISTING HANDHOLE.
F. USE EXISTING CONDUIT.
G. REMOVE EXISTING PAVEMENT MARKING FOR CROSSWALK.
H. REMOVE EXISTING PAVEMENT MARKING FOR STOP LINE.
J. REMOVE EXISTING PAVEMENT MARKING FOR LANE LINE.
K. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
L. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
M. REMOVE EXISTING AND INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
N. INSTALL W11-2 BLK/FY (36 IN. x 36 IN.), W16-7pL BLK/FY (24 IN. x 12 IN.), AND W16-7pR BLK/FY (24 IN. x 12 IN.) SIGNS ON ONE 4 IN. x 6 IN. WOOD SIGN SUPPORT (L=18').
O. INSTALL STANDARD TYPE A CONCRETE CURB.
P. INSTALL STANDARD TYPE A COMBINATION CONCRETE CURB AND GUTTER.
Q. INSTALL 5 INCH CONCRETE SIDEWALK.
R. REMOVE EXISTING SIDEWALK RAMP AND COMBINATION CURB AND GUTTER. INSTALL 5 IN. CONCRETE SIDEWALK, COMBINATION CONCRETE CURB AND GUTTER (STANDARD NO. MD 620.02 TYPE 'A'), AND DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40).
S. REMOVE EXISTING SIDEWALK RAMP. BACKFILL, SEED, AND MULCH.
T. CAP AND ABANDON EXISTING CONDUIT.
U. REMOVE EXISTING PEDESTRIAN POLE, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN, AND PEDESTRIAN CROSSING SIGNS. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
V. USE EXISTING HANDHOLE AND ADJUST TO FINAL GRADE.

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. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
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. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" x 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
8. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
9. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.08 AND 4E.10 AND FIG. 4E-3 AND 4E-4 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
10. REFER TO SHEET TSP-2 FOR DIMENSIONS OF SIGNAL EQUIPMENT AND PAVEMENT MARKINGS WITHIN INTERSECTION.

TOD NO: XX525-05
SHA NO: AA164B51
MD 174 @ Pioneer Rd/MD 175 @ Odenton Shopping Center

SPECIAL NOTE:

CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT TO AVOID DISTURBANCE OF EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL TEST PIT TO DETERMINE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGNAL EQUIPMENT.

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

WR&A
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801 South Caroline Street, Baltimore, Maryland 21231

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

REVISIONS
(B) UPGRADE ALL PEDESTRIAN RAMPS AND INSTALL APS/CPS ON NORTH LEG SHA NO. XX525185, TIMS NO. L659 06/2013
(D) 04/93 - ADD PEDESTRIAN SIGNALS, BUTTONS, AND SIGNS TO N/S SHA #
(C) 1/93 AS-BUILT

PLOTTED: June 28, 2013
FILE: N:\31669-274\CADD\pSG-P001_MD175.dgn

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 175 & the ENTRANCE TO ODENTON SHOPPING CENTER
(ODENTON, MARYLAND)

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' DATE 11 - 19 - 74 CONTRACT NO. AA 207-501-585

DESIGNED BY DENNIS DODA
DRAWN BY DENNIS DODA
CHECKED BY A BUDINCHUK
F.A.P. NO.
COUNTY ANNE ARUNDEL
LOGMILE 02017502.35
TIMS NO.
TOD NO.

TS NO. 1241E | DRAWING TSP-1 OF 6 | SHEET NO. 1 OF 6

BY: jrasmussen