MD 151 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED VIDEO DETECTION CAMERA

VIDEO ZONE DETECTION

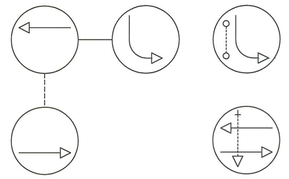
EXISTING SIGNS

9,10

ONLY

EXISTING SIGNALS	PROPOSED SIGNALS	EXISTING SIGNALS TO BE REMOVED	PROPOSED SIGNS	
1-6	7,8	7A,8A	11,13	12,14
R Y G 12"	16" LED COUNTDOWN PEDESTRIAN SIGNAL	12"	PUSH BUTTON TO CROSS NORTH POINT BLVD	PUSH BUTTON TO CROSS NORTH POINT BLVD
			R10-3(1) 9" x 15"	R10-3(1) 9" x 15"

NEMA PHASING



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

CONSTRUCTION DETAILS

A. USE EXISTING POLE MOUNTED CABINET AND CONTROLLER. INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT.
B. USE EXISTING PEDESTAL POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON. INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEAD AND AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS NORTH POINT BLVD"). DISCONNECT EXISTING PEDESTRIAN PUSHBUTTON ELECTRICAL CABLE AND CONNECT ELECTRICAL CABLE TO NEW AUDIBLE/ TACTILE PUSHBUTTON.
C. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON. CLEAN EXISTING DRILLED HOLES WITH BRUSH AND SPRAY COLD GALVANIZING COMPOUND ON THE AFFECTED AREAS.
D. 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 NORTH POINT BLVD"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).
E. INSTALL CONCRETE FOUNDATION WITH 5 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE STANDARD NO. MD 801.01-01. AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS NORTH POINT BLVD"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).
F. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
G. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
H. USE EXISTING HANDHOLE.
J. USE EXISTING CONDUIT.
K. INSTALL MEDIAN CUT-THROUGH AND STANDARD TYPE 'A' CURB. SEE SHEET TSP-6 FOR DETAILS.
L. INSTALL SIDEWALK RAMP (STANDARD NO. MD 655.11) AND DETECTABLE WARNING SURFACE CLAY BRICK PAVERS WITH THE PLACEMENT IN ACCORDANCE WITH STANDARD NO. MD 655.40.
M. INSTALL SIDEWALK RAMP (STANDARD NO. MD 655.12) AND DETECTABLE WARNING SURFACE CLAY BRICK PAVERS WITH THE PLACEMENT IN ACCORDANCE WITH STANDARD NO. MD 655.40.
N. INSTALL DETECTABLE WARNING SURFACE CLAY BRICK PAVERS WITH THE PLACEMENT IN ACCORDANCE WITH STANDARD NO. MD 655.40.
O. REMOVE EXISTING PEDESTAL POLE. REMOVE AND DISPOSE OF EXISTING FOUNDATION 12 IN. BELOW GRADE.
P. CAP AND ABANDON EXISTING CONDUIT.
Q. INSTALL CONCRETE STANDARD TYPE 'A' CURB.
R. REMOVE EXISTING PAVEMENT MARKINGS.
S. INSTALL ADS N-12 HDPE PIPES 8 INCH DIAMETER x 10 FOOT LENGTH SPACED 6 INCHES APART AND A 2 FT. x 2 FT. CLASS O RIPRAP PAD 12 INCHES DEEP WITH GEOTEXTILE UNDERNEATH. SEE SHEET TSP-6 FOR DETAILS.
T. INSTALL 5 INCH CONCRETE SIDEWALK.

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 6" FROM A 60" x 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
8. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
9. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
10. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E-2 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.
11. ALL SIDEWALK RAMPS SHALL BE INSTALLED AS PER STANDARDS MD 655.11 AND MD 655.12.
12. REFER TO SHEET TSP-6 FOR DIMENSIONS OF SIGNAL EQUIPMENT AND PAVEMENT MARKINGS WITHIN INTERSECTION.
13. REFER TO SHEET TSP-6 FOR DETAILS OF DRAINAGE PIPES AND MEDIAN CUT-THROUGH.

1 GREENLINE REVISION NO. 1 REVISED RAMP LAYOUT ON NW CORNER 5/16/2013 — 5-17-13

GEOMETRIC LEGEND
EXISTING
PROPOSED

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

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

REVISIONS
D INSTALLED APS/CPS AND UPGRADED SIDEWALK RAMPS. TIMS NO. J964 SHA NO. XX6455185 6/24/2011 SRB NML
C UPGRADE VIDEO DETECTION. INSTALL NON-INVASIVE PROBES. TIMS #K492 SHA CONTRACT NO. XX3385185 10/14/2010 FJS NML
B REPLACE FAILED LOOP DETECTOR SHA CONTRACT NO. 855-25032077 05/1991 RCS

PLOTTED: May 16, 2013
FILE: N:\38669-151\CADD\pSG-P003_rmd151_GL1.dgn

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

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

MD 151 (North Point Boulevard) and Eastpoint Mall South Entrance
Baltimore, Maryland

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE 04251975 CONTRACT NO.

DESIGNED BY
DRAWN BY DIMITRIOS A. ZAFIRIS
CHECKED BY
F.A.P. NO.
COUNTY Baltimore
LOGMILE
TIMS NO. J964
TOD NO.

TS NO. 6545D | DRAWING TSP-3 OF 7 | SHEET NO. 3 OF 7

BY: sbloss