MD 45 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS

9.14 — W16-7p (24"x12") B / FY

11.12 — W11-2 (36"x36") B / FY; W16-7p (24"x12") B / FY

10.13 — W11-2 (48"x48") B / FY

15 — R1-1 (36"x36")

17 — R10-3(1) 9" x 15"

18 — R10-3(1) 9" x 15"

EXISTING SIGN TO REMAIN

16 — NO TURN ON SOLID RED (24"x36")

9A.14A — W11-2 (36"x36"); W16-7p (24"x12")

11A.14A

EXISTING SIGNS TO BE REMOVED

10A.13A — PED X-ING

15A — R1-1 (30"x30")

EXISTING SIGNAL TO BE REMOVED

8A — 16" LED COUNTDOWN PEDESTRIAN SIGNAL

EXISTING SIGNALS

1-4 — 12"/8"LED

5.6 — 12"LED

7 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL

PROPOSED SIGNAL

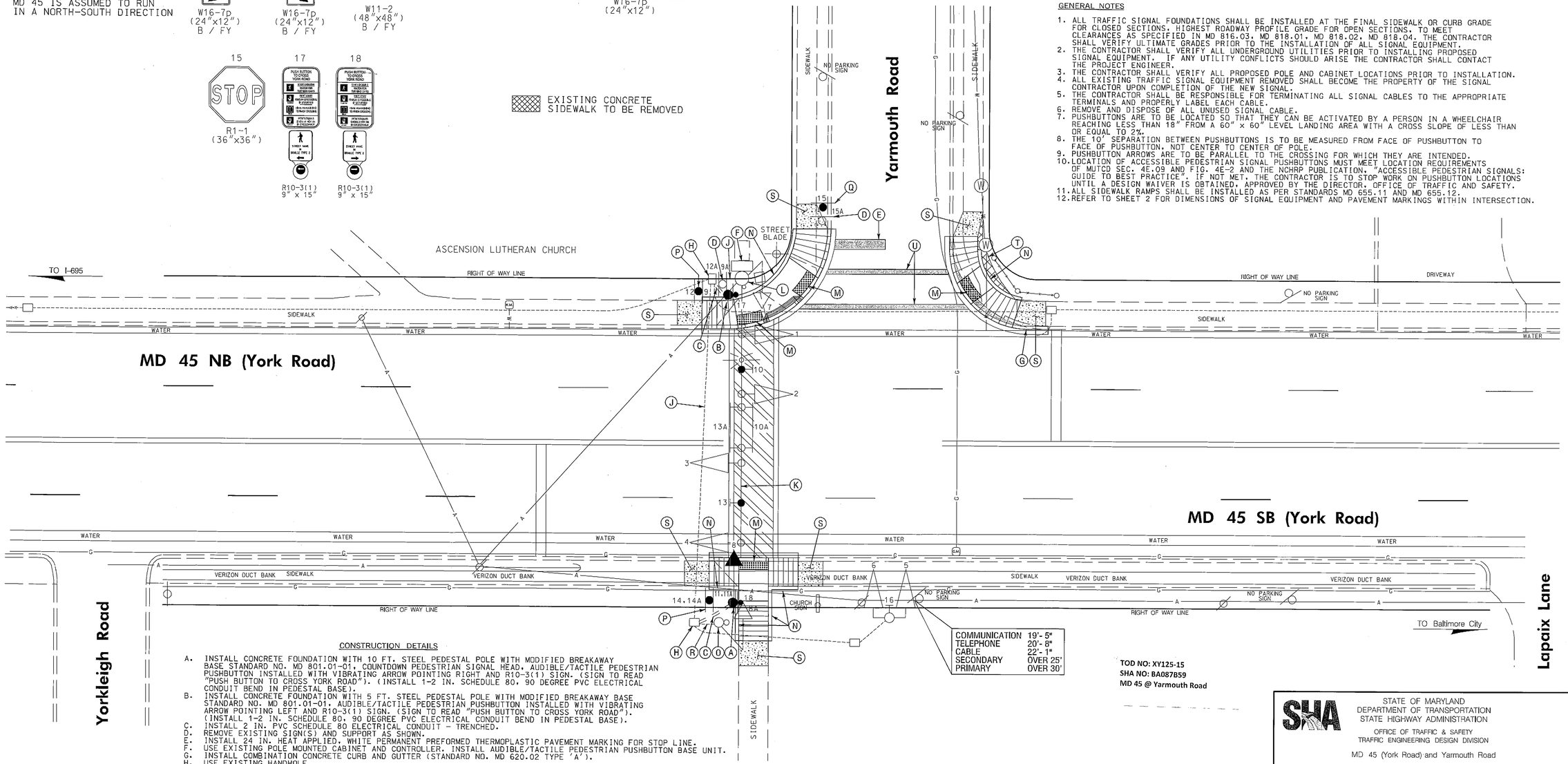
8 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL

NEMA PHASING

NORMAL OPERATION

PEDESTRIAN ACTUATION OPERATION

EXISTING CONCRETE SIDEWALK TO BE REMOVED



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 AND CABINET 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. 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 2 FOR DIMENSIONS OF SIGNAL EQUIPMENT AND PAVEMENT MARKINGS WITHIN INTERSECTION.

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 YORK ROAD"). (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).
B. 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 LEFT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS YORK ROAD"). (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).
C. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
D. REMOVE EXISTING SIGN(S) AND SUPPORT AS SHOWN.
E. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
F. USE EXISTING POLE MOUNTED CABINET AND CONTROLLER. INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT.
G. INSTALL COMBINATION CONCRETE CURB AND GUTTER (STANDARD NO. MD 620.02 TYPE 'A').
H. USE EXISTING HANDHOLE.
J. USE EXISTING CONDUIT.
K. USE EXISTING MAST ARM POLE AND REMOVE EXISTING SIGNS AND INSTALL SIGNS AS SHOWN.
L. REMOVE EXISTING PEDESTRIAN PUSHBUTTON AND R10-4(1) SIGN FROM STEEL POLE. CLEAN EXISTING DRILLED HOLE WITH BRUSH AND SPRAY COLD GALVANIZING COMPOUND ON THE AFFECTED AREA.
M. REMOVE EXISTING SIDEWALK RAMP AND INSTALL SIDEWALK RAMP (SEE SHEET TSP-2 FOR DETAILS) AND DETECTABLE WARNING SURFACE CLAY BRICK PAVERS WITH THE PLACEMENT IN ACCORDANCE WITH STANDARD NO. MD 655.40.
N. INSTALL STANDARD TYPE A COMBINATION CONCRETE CURB.
O. REMOVE EXISTING PEDESTAL POLE AND PEDESTRIAN SIGNAL HEAD. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
P. INSTALL W11-2 (36"x36") B/FY AND W16-7p (24"x12") B/FY SIGNS ON ONE 4 IN. X 6 IN. TREATED WOOD SUPPORT (L=17') AS SHOWN.
Q. INSTALL R1-1 (36"x36") SIGN ON ONE 4 IN x 4 IN. TREATED WOOD SUPPORT (L=16') AS SHOWN.
R. CAP AND ABANDON EXISTING CONDUIT.
S. REMOVE EXISTING SIDEWALK AND INSTALL 5 IN. CONCRETE SIDEWALK.
T. REMOVE EXISTING CONCRETE SIDEWALK. BACKFILL, SEED AND MULCH.
U. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK.

ASCENSION LUTHERAN CHURCH PARKING LOT

TOD NO: XY125-15
SHA NO: BA087B59
MD 45 @ Yarmouth Road

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

BY: sbloss

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

C	INSTALL APS AND ADA COMPLIANT RAMPS TIMS NO. L057 SHA CONTRACT NO. XY1255185 10/2012				
SRB	NML				
B	INSTALL PEDESTRIAN ACTUATED SIGNAL CONTRACT NO. AT5825185 7/15/2005				
SRB	NML		DAZ		TH
A	INSTALL PEDESTRIAN INDICATION FOR FLASHER 5/2000				
DBD	DJD	DAZ	BRK		TH

PLOTTED: October 12, 2012
FILE: N:\31669-209\CADD\p5G-P031_L057.dgn

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

MD 45 (York Road) and Yarmouth Road
Towson, Maryland

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 10' ADVERTISED DATE 091994 CONTRACT NO.

DESIGNED BY D. Dickerson — COUNTY Baltimore
DRAWN BY D. Dickerson — LOGMILE 030004501.03
CHECKED BY Dennis J. Doda — TIMS NO. D608
F.A.P. NO. — TOD NO.

TS NO. 3460 C — DRAWING TSP-1 OF 3 — SHEET NO. 1 OF 3