MD 355 (FREDERICK AVENUE) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS TO BE REMOVED

YIELD TO OPPOSING TRAFFIC WHEN TURNING LEFT

EXISTING SIGNS TO REMAIN

29,32 30 34 33

21,22 Education BLVD

19,20 Education BLVD

23,27 Frederick AVE

EXISTING SIGNS TO BE RELOCATED

25,26 Frederick AVE

PROPOSED SIGNS

28 24 31

R3-5(L) (30"x36") (24"x30") @ 15°

R4-7

35,36 LEFT LANE MUST TURN LEFT

R3-7(L) (30"x30")

R10-3(1) 9" x 15" INSTALL ABOVE EXISTING PUSHBUTTON

EXISTING SIGNALS TO BE REMOVED

12"

EXISTING VIDEO DETECTION CAMERAS

a,b,c,d

EXISTING SIGNALS TO REMAIN

1,2 3-6,11,12 13-18

12" 12" 16" LED COUNTDOWN PEDESTRIAN SIGNAL

EXISTING VIDEO DETECTION ZONES

a,b,c,d

EXISTING SIGNALS TO BE RELOCATED

10' 12"

PROPOSED LED SIGNALS

7,8 9

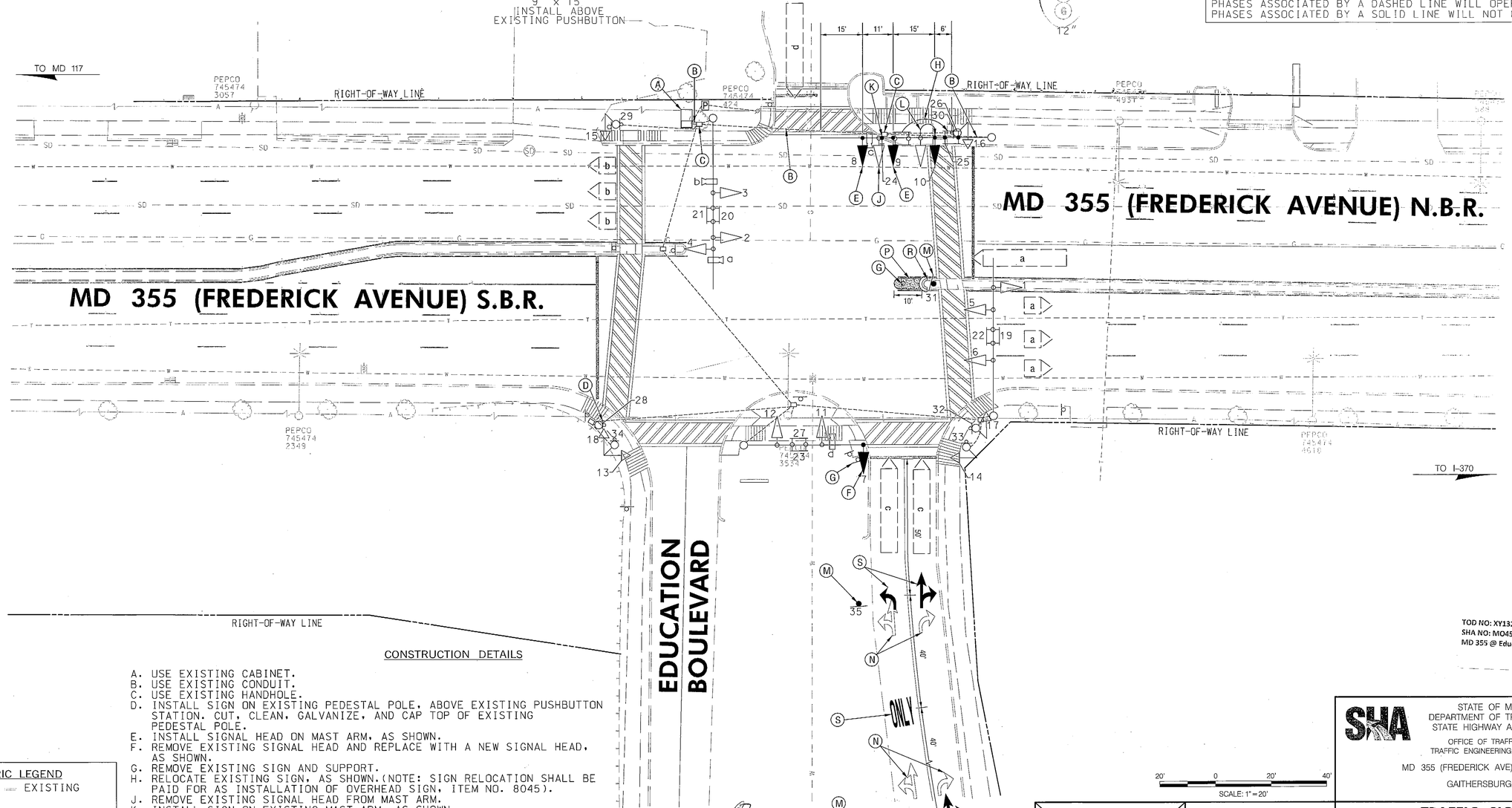
12" 12"

NEMA PHASING

Ø1 LEAD Ø2 Ø4 FLASHING OPERATION

Ø6 Ø7 Ø8 Ø4+Ø8 ALT.

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 CABINET.
B. USE EXISTING CONDUIT.
C. USE EXISTING HANDHOLE.
D. INSTALL SIGN ON EXISTING PEDESTAL POLE, ABOVE EXISTING PUSHBUTTON STATION. CUT, CLEAN, GALVANIZE, AND CAP TOP OF EXISTING PEDESTAL POLE.
E. INSTALL SIGNAL HEAD ON MAST ARM, AS SHOWN.
F. REMOVE EXISTING SIGNAL HEAD AND REPLACE WITH A NEW SIGNAL HEAD, AS SHOWN.
G. REMOVE EXISTING SIGN AND SUPPORT.
H. RELOCATE EXISTING SIGN, AS SHOWN.(NOTE: SIGN RELOCATION SHALL BE PAID FOR AS INSTALLATION OF OVERHEAD SIGN, ITEM NO. 8045).
J. REMOVE EXISTING SIGNAL HEAD FROM MAST ARM.
K. INSTALL SIGN ON EXISTING MAST ARM, AS SHOWN.
L. RELOCATE EXISTING SIGNAL HEAD, AS SHOWN.(NOTE: SIGNAL HEAD RELOCATION SHALL BE PAID FOR AS THE INSTALLATION OF AN EQUIVALENT SQUARE FOOTAGE OF OVERHEAD SIGN, ITEM NO. 8045).
M. INSTALL SIGN ON SINGLE WOOD (4 IN. X 4 IN.) SUPPORT.
N. REMOVE EXISTING PAVEMENT MARKING ARROW.
P. REMOVE EXISTING MEDIAN NOSE AND INSTALL A 10 IN. THICK SECTION OF CONCRETE PAVEMENT. (NOTE: TO BE MEASURED AND PAID FOR AS TWICE THE AREA OF 5 IN. CONCRETE SIDEWALK)
R. INSTALL TYPE A CURB AND GUTTER (PER STD. MD 620.02).
S. INSTALL WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROW / WORD.

GEOMETRIC LEGEND

EXISTING

UTILITY LEGEND

SD STORM DRAIN
G GAS MAIN
W WATER MAIN
SEWER MAIN
ELECTRIC CABLES
AERIAL CABLES
T TELEPHONE CABLES
F FIBER-OPTIC

SABRA, WANG & ASSOCIATES, INC.
7055 SAMUEL MORSE DRIVE
SUITE 100
COLUMBIA, MD 21046
(443) 741-3500
WWW.SABRA-WANG.COM

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

D CHANGE EB FROM EP LEFT TO PROTECTED 12-2012
SHA NO. XY1325185 TIMS NO. L567
SWA

C RECONSTRUCT TRAFFIC SIGNAL AND INSTALL AUDIBLE PEDISTRIAN SIGNALS 04-30-2008
SHA NO. XX4445185
BRD NML DBD DD RB DD WH TH

B SIGNAL MOD ADD COUNTDOWN PEDESTRIAN SIGNALS ACROSS MD 355 08-01-2005
SHA NO. AT7825185
SWA SAS JH MR

20' 0 20' 40'
SCALE: 1" = 20'

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 355 (FREDERICK AVE) AT EDUCATION BLVD

GAITHERSBURG, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE REDRAWN 4 /1 /94 CONTRACT NO.

DESIGNED BY R R ZACHERI (STS) COUNTY MONTGOMERY
DRAWN BY BRUCE THOMPSON WJN(STS) LOGMILE 15035513.85
CHECKED BY DLA D DODA 2-7-89 T.I.M.S. NO.
F.A.P. NO. TOD NO.

TS NO. 2542 D | DRAWING NO. pSG OF P001 | SHEET NO. 1 OF 2

TOD NO: XY132-10
SHA NO: MO458B57
MD 355 @ Education Boulevard

PLOTTED: Thursday, December 20, 2012 AT 05:17 PM
FILE: R:\2008\73 SHA BCS 2008-05A_TEDD DESIGN_STV_JV_55M\Task 225 MD 355 at Education\Dgn\pSG-P000_L567.dgn

BY: khenson