DRILL HOLES

BORDER REV. DATE: June 1, 2004

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N

EXISTING SIGNS TO REMAIN

13,14 — W.B. & A. Rd — D3-2 VARIABLE X 16"

18 — NO TURN ON RED

19,43 — BIKE ROUTE

20,27,36 — NO MOTOR VEHICLES

30 — SPEED LIMIT 35

17 — Airport Loop WEST MARYLAND 176 — M1-5(6)

32 — Airport Loop EAST MARYLAND 176 — M1-5(6)

37 — Airport Loop EAST MARYLAND 176 — M1-5(6)

35 — Arundel Avenue — D-3(1) VARIABLE X 16"

40 — CENTER LANE ONLY

25,28,33,38 — AHEAD

26,29,34,39

31,41,42

EXISTING SIGNS TO BE REMOVED

15,16 — LEFT TURN YIELD ON GREEN

PROPOSED SIGNS

21 — PUSH BUTTON TO CROSS DORSEY ROAD — STREET NAME N BRAILLE TYPE 2

22 — PUSH BUTTON TO CROSS DORSEY ROAD — STREET NAME S BRAILLE TYPE 2

23 — PUSH BUTTON TO CROSS W.B.& A. ROAD — STREET NAME N BRAILLE TYPE 2

24 — PUSH BUTTON TO CROSS W.B.& A. ROAD — STREET NAME S BRAILLE TYPE 2

R10-3(1) 9"x15"
(TO BE INSTALLED WITH APS PUSHBUTTON)

PROPOSED SIGNALS

9-12 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL

EXISTING SIGNALS TO BE REMOVED

9a-12a

EXISTING SIGNALS TO REMAIN

1 — R Y G — 8" 12"

2,3,6,7,8 — R Y G — 12"

4 — R Y G — 12" 8" 8" 8"

5 — R Y G — 12"

a,b — VIDEO DETECTION CAMERA

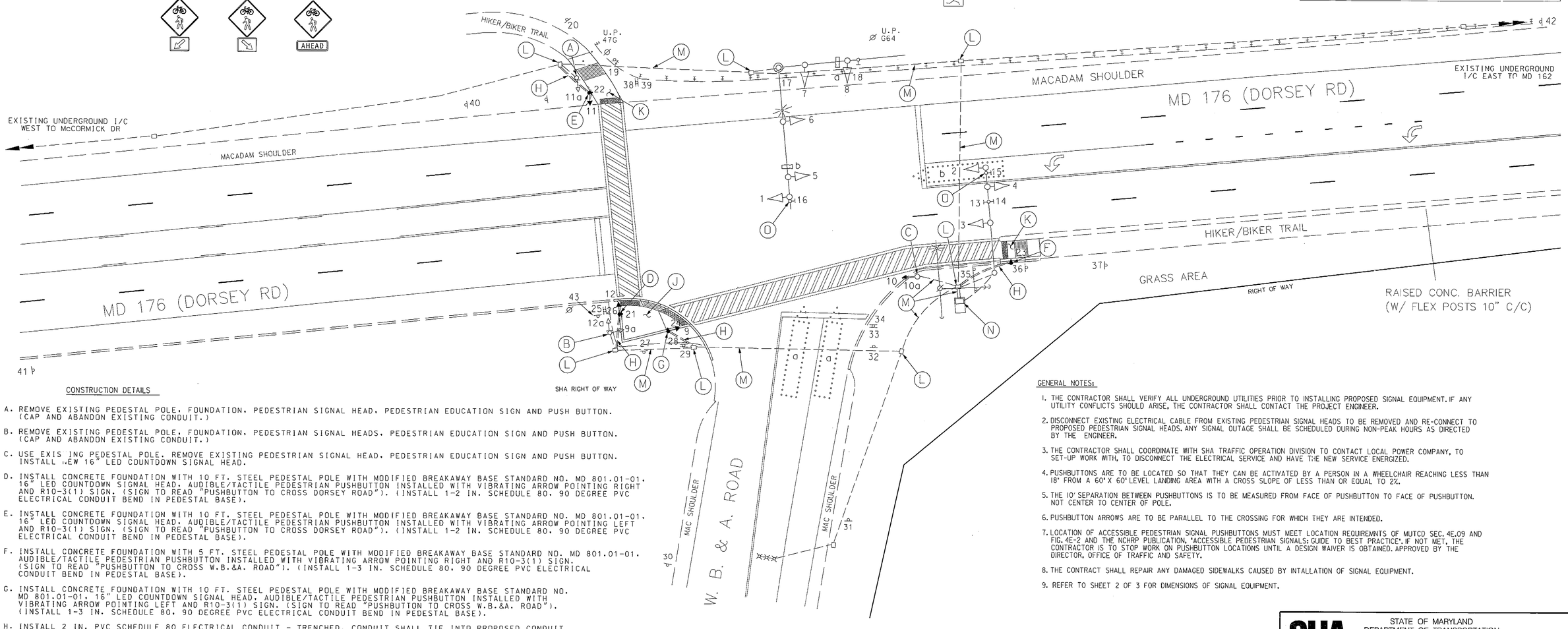
NEMA PHASING

02 04 05 06

FLASHING OPERATION

ALT 04

PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

A. REMOVE EXISTING PEDESTAL POLE, FOUNDATION, PEDESTRIAN SIGNAL HEAD, PEDESTRIAN EDUCATION SIGN AND PUSH BUTTON. (CAP AND ABANDON EXISTING CONDUIT.)

B. REMOVE EXISTING PEDESTAL POLE, FOUNDATION, PEDESTRIAN SIGNAL HEADS, PEDESTRIAN EDUCATION SIGN AND PUSH BUTTON. (CAP AND ABANDON EXISTING CONDUIT.)

C. USE EXIS ING PEDESTAL POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, PEDESTRIAN EDUCATION SIGN AND PUSH BUTTON. INSTALL NEW 16" LED COUNTDOWN SIGNAL HEAD.

D. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE STANDARD NO. MD 801.01-01, 16" LED COUNTDOWN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (SIGN TO READ "PUSHBUTTON TO CROSS DORSEY ROAD"). (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).

E. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE STANDARD NO. MD 801.01-01, 16" LED COUNTDOWN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-3(1) SIGN. (SIGN TO READ "PUSHBUTTON TO CROSS DORSEY ROAD"). (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).

F. 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 "PUSHBUTTON TO CROSS W.B.&A. ROAD"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).

G. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE STANDARD NO. MD 801.01-01, 16" LED COUNTDOWN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-3(1) SIGN. (SIGN TO READ "PUSHBUTTON TO CROSS W.B.&A. ROAD"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).

H. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. CONDUIT SHALL TIE INTO PROPOSED CONDUIT BEND IN PEDESTAL BASE.

J. REMOVE EXISTING MACADAM LANDING AREA AND DEPRESSED CURB AND GUTTER. INSTALL CONCRETE LANDING PAD AS SHOWN. (SEE SHEET 2 OF 3.)

K. REMOVE EXISTING MACADAM LANDING AREA AND INSTALL CONCRETE AREA AS SHOWN. (SEE SHEET 2 OF 3.)

L. USE EXISTING HANDHOLE.

M. USE EXISTING CONDUIT.

N. USE EXISTING SIZE "6" BASE MOUNTED CABINET AND CONTROLLER.

O. REMOVE EXISTING OVERHEAD SIGN.

GENERAL NOTES:

1. 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.
2. DISCONNECT EXISTING ELECTRICAL CABLE FROM EXISTING PEDESTRIAN SIGNAL HEADS TO BE REMOVED AND RE-CONNECT TO PROPOSED PEDESTRIAN SIGNAL HEADS. ANY SIGNAL OUTAGE SHALL BE SCHEDULED DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.
3. THE CONTRACTOR SHALL COORDINATE WITH SHA TRAFFIC OPERATION DIVISION TO CONTACT LOCAL POWER COMPANY, TO SET-UP WORK WITH, TO DISCONNECT THE ELECTRICAL SERVICE AND HAVE THE NEW SERVICE ENERGIZED.
4. 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%.
5. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON. NOT CENTER TO CENTER OF POLE.
6. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
7. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMNTS 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.
8. THE CONTRACT SHALL REPAIR ANY DAMAGED SIDEWALKS CAUSED BY INTALLATION OF SIGNAL EQUIPMENT.
9. REFER TO SHEET 2 OF 3 FOR DIMENSIONS OF SIGNAL EQUIPMENT.

GEOMETRIC LEGEND

PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE — A — A
ELECTRIC — E — E
TELEPHONE — T — T
GAS — G — G
SEWER — S — S
WATER — W — W
CABLE TV — TV — TV

TOD NO: XY139-03
SHA NO: AA189B53
MD 162, MD 170, MD 176 @ Various Locations

O. R. GEORGE & ASSOCIATES, INC.
Traffic Engineers - Transportation Planners
10210 Greenbelt Road, Suite 310
Lanham, MD 20706
(301) 794-7700

REVISIONS	APPROVALS
© 2/6/13 APS/CPS/ADA UPGRADES TIMS# L653 SHA# XY1395185	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
A.M.B.	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
B 5/11 - INSTALL VIDEO DETECTION TIMS# L046 SHA# XX6465185	
A . 10/96 - AS BUILT: INSTALL PEDESTRIAN SIGNAL DUE TO PROPOSED HIKER/BIKER TRAIL SHA#	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL PLAN ON FILE

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 176 (DORSEY ROAD) AT W.B. & A. ROAD
HANOVER, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 09/20/1994 CONTRACT NO.

DESIGNED BY R R ZACHERL
DRAWN BY W J NIES
CHECKED BY
F.A.P. NO.

COUNTY ANNE ARUNDEL
LOGMILE 0201760~~3~~85
TIMS NO.
TOD NO.

TS NO. 3248C | DRAWING TSP-1 OF 3 | SHEET NO. 10 OF 33