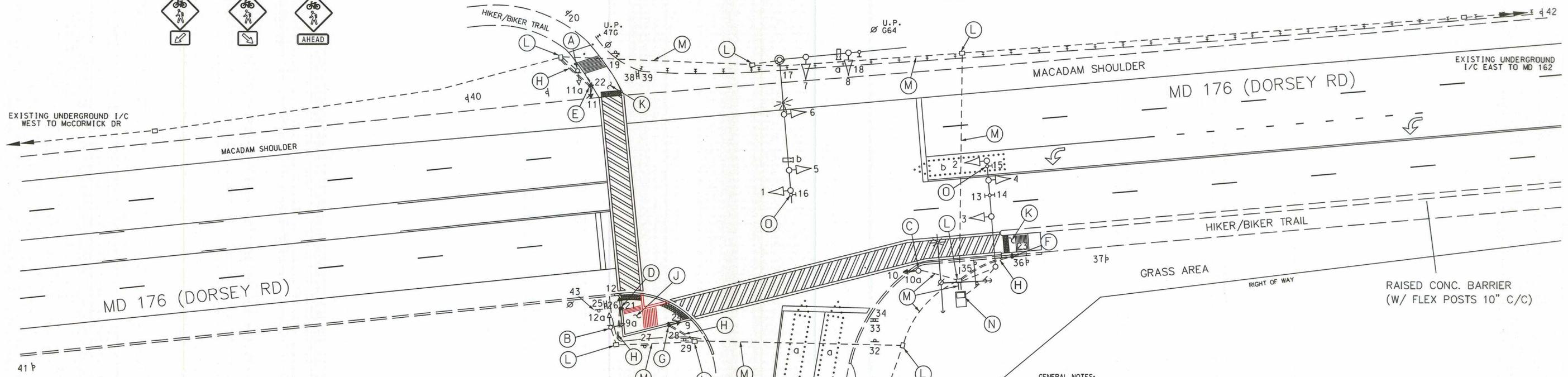
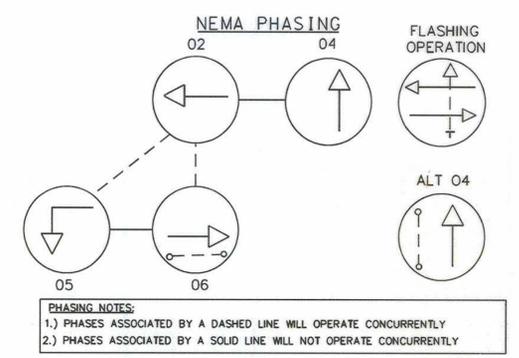
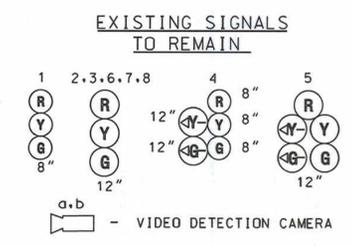
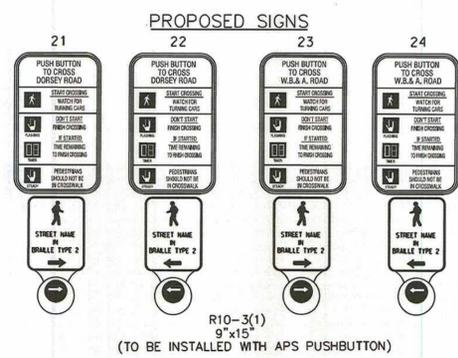
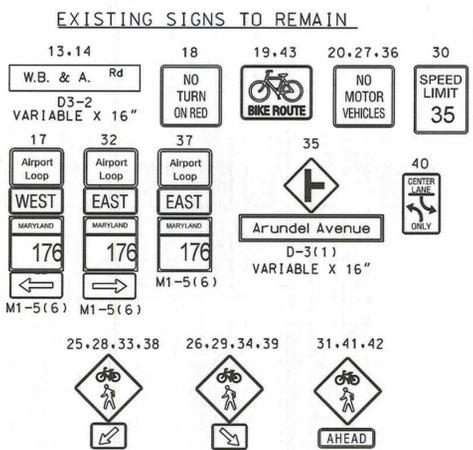


DRILL HOLES

DRILL HOLES

DRILL HOLES

BORDER REV. DATE: June 11, 2004



- CONSTRUCTION DETAILS**
- REMOVE EXISTING PEDESTAL POLE, FOUNDATION, PEDESTRIAN SIGNAL HEAD, PEDESTRIAN EDUCATION SIGN AND PUSH BUTTON. (CAP AND ABANDON EXISTING CONDUIT.)
 - REMOVE EXISTING PEDESTAL POLE, FOUNDATION, PEDESTRIAN SIGNAL HEADS, PEDESTRIAN EDUCATION SIGN AND PUSH BUTTON. (CAP AND ABANDON EXISTING CONDUIT.)
 - USE EXISTING PEDESTAL POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, PEDESTRIAN EDUCATION SIGN AND PUSH BUTTON. INSTALL NEW 16" LED COUNTDOWN SIGNAL HEAD.
 - 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).
 - 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).
 - 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).
 - 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. (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).
 - INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. CONDUIT SHALL TIE INTO PROPOSED CONDUIT BEND IN PEDESTAL BASE.
 - REMOVE EXISTING MACADAM LANDING AREA AND DEPRESSED CURB AND GUTTER. INSTALL CONCRETE LANDING PAD AS SHOWN. (SEE SHEET 2 OF 3.)
 - REMOVE EXISTING MACADAM LANDING AREA AND INSTALL CONCRETE AREA AS SHOWN. (SEE SHEET 2 OF 3.)
 - USE EXISTING HANDHOLE.
 - USE EXISTING CONDUIT.
 - USE EXISTING SIZE "6" BASE MOUNTED CABINET AND CONTROLLER.
 - REMOVE EXISTING OVERHEAD SIGN.

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

GENERAL NOTES:

- 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.
- 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.
- 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.
- 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%.
- THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
- PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
- 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.
- THE CONTRACT SHALL REPAIR ANY DAMAGED SIDEWALKS CAUSED BY INSTALLATION OF SIGNAL EQUIPMENT.
- REFER TO SHEET 2 OF 3 FOR DIMENSIONS OF SIGNAL EQUIPMENT.

P. J. McSp...
REDLINE REVISION NO. 1
4/25/13

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. [Signature]	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
B 5/11 - INSTALL VIDEO DETECTION TIMS# L046 SHA# X0645185	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
A. 10/96 - AS BUILT: INSTALL PEDESTRIAN SIGNAL DUE TO PROPOSED HIKER/BIKER TRAIL SHA#	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

SHA 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 COUNTY ANNE ARUNDEL
DRAWN BY W J NIES LOGMILE 02017604.83
CHECKED BY _____ TIMS NO. _____
F.A.P. NO. _____ TOD NO. _____

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