DRILL HOLES

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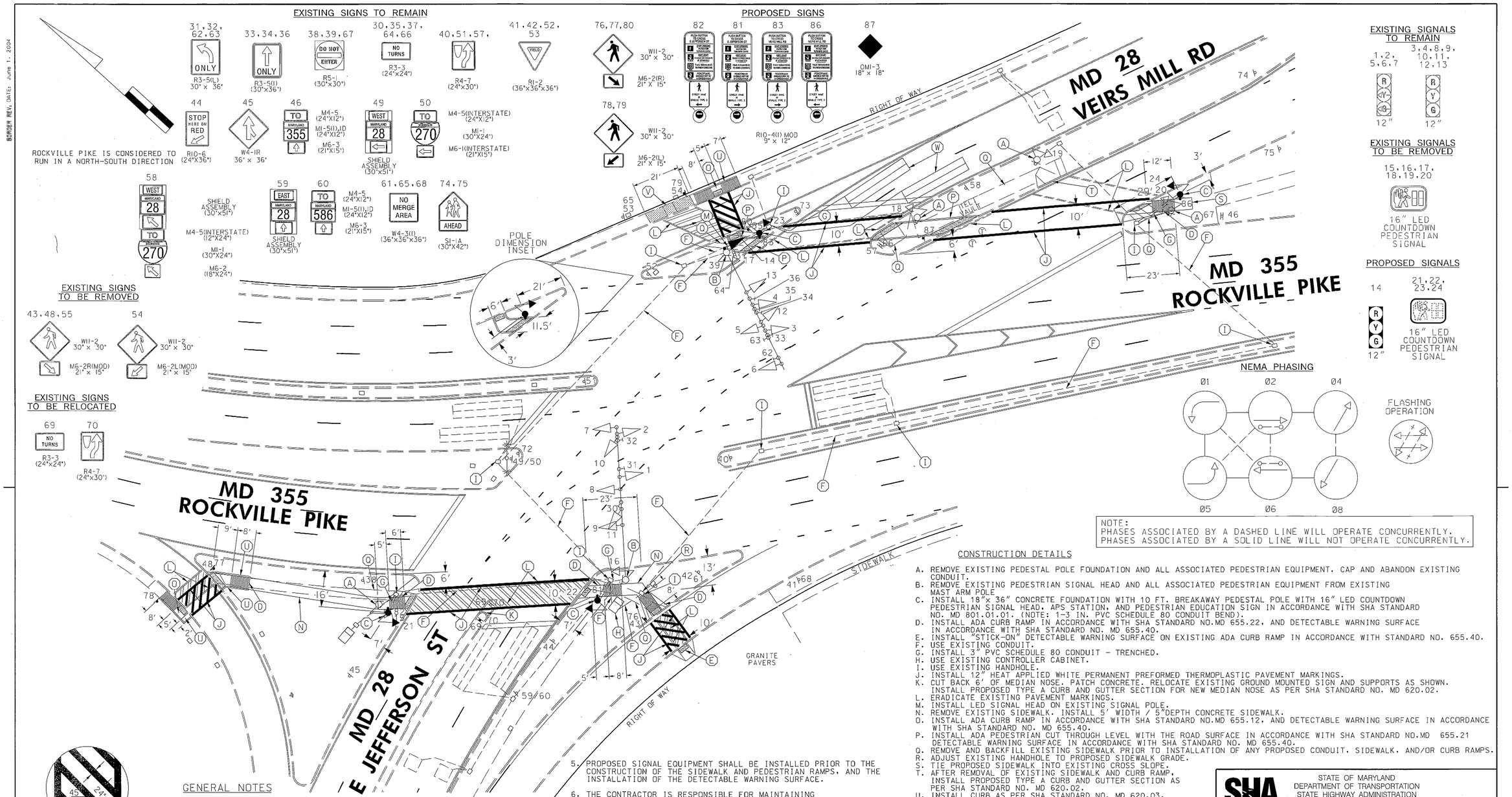
BURDUN REV. DATE: June 1, 2004

BY: bdonoway



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

CONSTRUCTION DETAILS

A. REMOVE EXISTING PEDESTAL POLE FOUNDATION AND ALL ASSOCIATED PEDESTRIAN EQUIPMENT. CAP AND ABANDON EXISTING CONDUIT.
B. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND ALL ASSOCIATED PEDESTRIAN EQUIPMENT FROM EXISTING MAST ARM POLE
C. INSTALL 18"x 36" CONCRETE FOUNDATION WITH 10 FT. BREAKAWAY PEDESTAL POLE WITH 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS STATION, AND PEDESTRIAN EDUCATION SIGN IN ACCORDANCE WITH SHA STANDARD NO. MD 801.01.01. (NOTE: 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
D. INSTALL ADA CURB RAMP IN ACCORDANCE WITH SHA STANDARD NO.MD 655.22, AND DETECTABLE WARNING SURFACE IN ACCORDANCE WITH SHA STANDARD NO. MD 655.40.
E. INSTALL "STICK-ON" DETECTABLE WARNING SURFACE ON EXISTING ADA CURB RAMP IN ACCORDANCE WITH STANDARD NO. 655.40.
F. USE EXISTING CONDUIT.
G. INSTALL 3" PVC SCHEDULE 80 CONDUIT - TRENCHED.
H. USE EXISTING CONTROLLER CABINET.
I. USE EXISTING HANDHOLE.
J. INSTALL 12" HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS.
K. CUT BACK 6' OF MEDIAN NOSE. PATCH CONCRETE. RELOCATE EXISTING GROUND MOUNTED SIGN AND SUPPORTS AS SHOWN. INSTALL PROPOSED TYPE A CURB AND GUTTER SECTION FOR NEW MEDIAN NOSE AS PER SHA STANDARD NO. MD 620.02.
L. ERADICATE EXISTING PAVEMENT MARKINGS.
M. INSTALL LED SIGNAL HEAD ON EXISTING SIGNAL POLE.
N. REMOVE EXISTING SIDEWALK. INSTALL 5' WIDTH / 5"DEPTH CONCRETE SIDEWALK.
O. INSTALL ADA CURB RAMP IN ACCORDANCE WITH SHA STANDARD NO.MD 655.12, AND DETECTABLE WARNING SURFACE IN ACCORDANCE WITH SHA STANDARD NO. MD 655.40.
P. INSTALL ADA PEDESTRIAN CUT THROUGH LEVEL WITH THE ROAD SURFACE IN ACCORDANCE WITH SHA STANDARD NO.MD 655.21 DETECTABLE WARNING SURFACE IN ACCORDANCE WITH SHA STANDARD NO. MD 655.40.
Q. REMOVE AND BACKFILL EXISTING SIDEWALK PRIOR TO INSTALLATION OF ANY PROPOSED CONDUIT, SIDEWALK, AND/OR CURB RAMPS.
R. ADJUST EXISTING HANDHOLE TO PROPOSED SIDEWALK GRADE.
S. TIE PROPOSED SIDEWALK INTO EXISTING CROSS SLOPE.
T. AFTER REMOVAL OF EXISTING SIDEWALK AND CURB RAMP, INSTALL PROPOSED TYPE A CURB AND GUTTER SECTION AS PER SHA STANDARD NO. MD 620.02.
U. INSTALL CURB AS PER SHA STANDARD NO. MD 620.03.
V. REMOVE EXISITING CURB RAMP AND INSTALL 5' WIDTH / 5"DEPTH CONCRETE SIDEWALK. INSTALL PROPOSED TYPE A CURB AND GUTTER SECTION AS PER SHA STANDARD NO. MD 620.02.
W. INSTALL PROPOSED 6'X30' LOOP DETECTOR. SPLICE TO EXISTING LOOP WIRE IN THE EXISITNG HANDHOLE.

CROSSWALK DETAIL

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. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTION. TO MEET CLEARANCES AS SPECIFIED IN MD STD. 816.03, MD STD. 818.01, MD 818.02, AND MD STD. 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL PROPOSED SIGNAL EQUIPMENT.
3. 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%.
4. 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.
5. PROPOSED SIGNAL EQUIPMENT SHALL BE INSTALLED PRIOR TO THE CONSTRUCTION OF THE SIDEWALK AND PEDESTRIAN RAMPS, AND THE INSTALLATION OF THE DETECTABLE WARNING SURFACE.
6. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SIGNAL OPERATION DURING THE COMPLETE CONSTRUCTION PERIOD.
7. CONTRACTOR IS RESPONSIBLE FOR THE PURCHASE AND DELIVERY OF THE CENTRAL CONTROL NAVIGATOR UNIT FOR THE CONTROLLER AND THE APS PANEL TO THE MONTGOMERY COUNTY SIGNAL SHOP. MR BOB RICKETTS AT (301) 279-1291 SHALL BE CONTACTED SEVENTY-TWO (72) HOURS PRIOR TO DELIVERY.
8. THE CONTACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
9. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
10. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
11. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING UNUSED CABLES FROM EXISTING HANDHOLES AND CONDUIT.

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

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

REVISIONS
© APS PEDESTRIAN, SIDEWALK, AND RAMP UPGRADES TIMS #K709 SHA NO. XX6555182 11/3/2011
A REBUILT EXISTING SIGNAL AND INTERCONNECT SHA NO. M-466-501-385 11/15/1984

AJM	SJW	KMB	MLZ	TJH
TMZ	DAZ	ETP	MB	TH

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 355 AT MD MD 28

ROCKVILLE, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 5-19-1973 CONTRACT NO.

DESIGNED BY J.S. D.D. T.H. COUNTY MONTGOMERY
DRAWN BY LOGMILE 15035509.24
CHECKED BY TIMS NO. K709
F.A.P. NO. TOD NO.

TS NO. 4607 | DRAWING NO. 1 OF 2 | SHEET NO. 1 OF 2

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