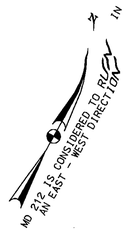
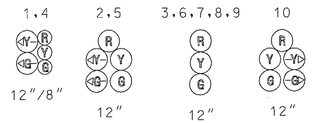


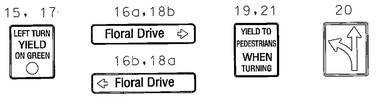
EXISTING SIGNALS



EXISTING SIGNALS TO BE REMOVED

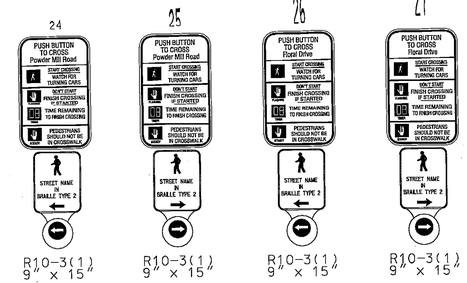
PROPOSED SIGNALS

EXISTING SIGNS TO REMAIN

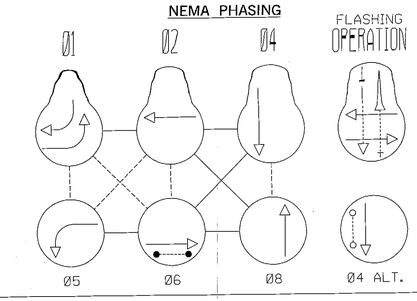


EXISTING SIGNS TO BE REMOVED

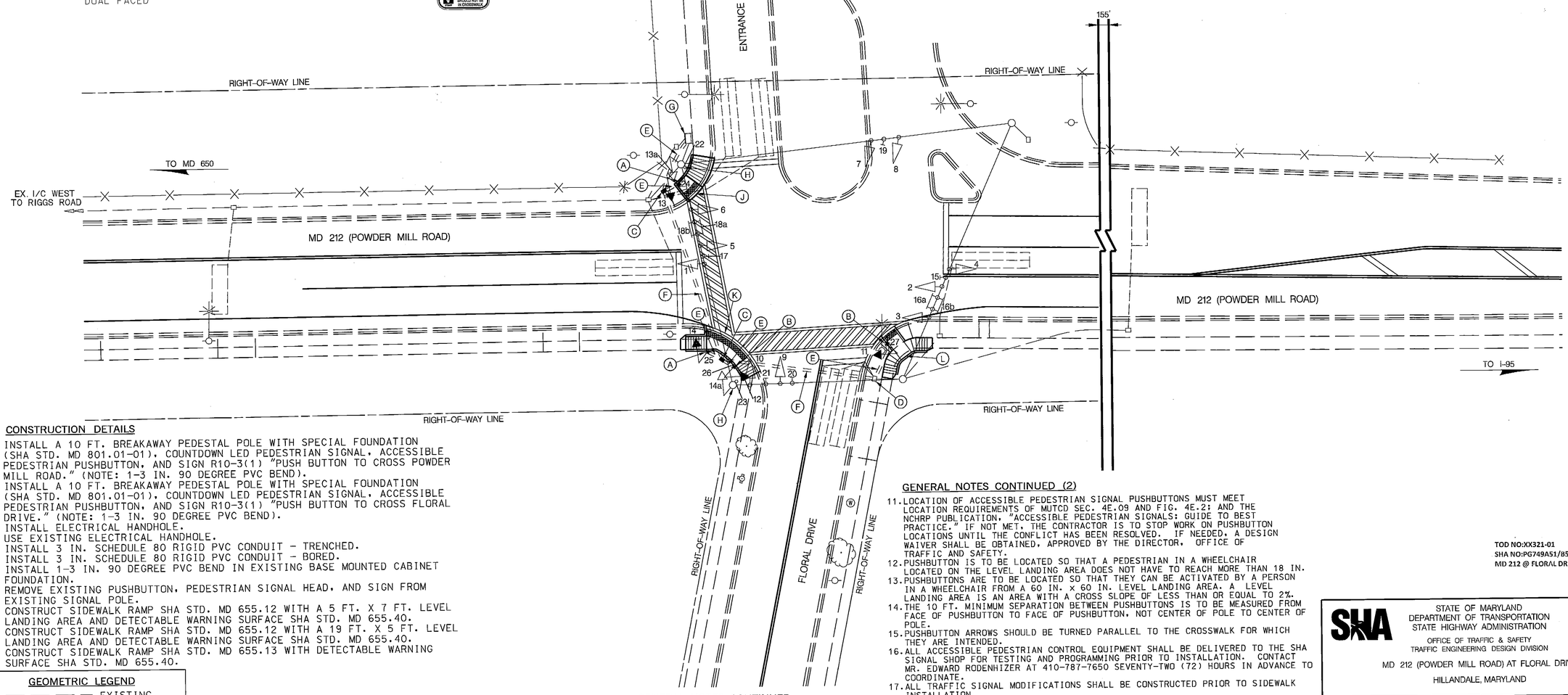
PROPOSED ACCESSIBLE PEDESTRIAN SIGNALS



NEMA PHASING



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



CONSTRUCTION DETAILS

A. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE WITH SPECIAL FOUNDATION (SHA STD. MD 801.01-01), COUNTDOWN LED PEDESTRIAN SIGNAL, ACCESSIBLE PEDESTRIAN PUSHBUTTON, AND SIGN R10-3(1) "PUSH BUTTON TO CROSS POWDER MILL ROAD." (NOTE: 1-3 IN. 90 DEGREE PVC BEND).
B. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE WITH SPECIAL FOUNDATION (SHA STD. MD 801.01-01), COUNTDOWN LED PEDESTRIAN SIGNAL, ACCESSIBLE PEDESTRIAN PUSHBUTTON, AND SIGN R10-3(1) "PUSH BUTTON TO CROSS FLORAL DRIVE." (NOTE: 1-3 IN. 90 DEGREE PVC BEND).
C. INSTALL ELECTRICAL HANDHOLE.
D. USE EXISTING ELECTRICAL HANDHOLE.
E. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
F. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED.
G. INSTALL 1-3 IN. 90 DEGREE PVC BEND IN EXISTING BASE MOUNTED CABINET FOUNDATION.
H. REMOVE EXISTING PUSHBUTTON, PEDESTRIAN SIGNAL HEAD, AND SIGN FROM EXISTING SIGNAL POLE.
J. CONSTRUCT SIDEWALK RAMP SHA STD. MD 655.12 WITH A 5 FT. X 7 FT. LEVEL LANDING AREA AND DETECTABLE WARNING SURFACE SHA STD. MD 655.40.
K. CONSTRUCT SIDEWALK RAMP SHA STD. MD 655.12 WITH A 19 FT. X 5 FT. LEVEL LANDING AREA AND DETECTABLE WARNING SURFACE SHA STD. MD 655.40.
L. CONSTRUCT SIDEWALK RAMP SHA STD. MD 655.13 WITH DETECTABLE WARNING SURFACE SHA STD. MD 655.40.

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

GENERAL NOTES

1. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD TYPICALS FOR TRAFFIC CONTROL.
2. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
3. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
4. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES.
5. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.

GENERAL NOTES CONTINUED

6. 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.
7. THE CONTRACTOR SHALL INTEGRATE PROPOSED CONCRETE FOUNDATIONS WITH NEW SIDEWALK RAMP WHERE NECESSARY.
8. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
9. THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE LOCATION(S) PRIOR TO INSTALLATION.
10. THE CONTRACTOR SHALL CENTER THE PROPOSED RAMPS ON THE EXISTING CROSSWALKS.

GENERAL NOTES CONTINUED (2)

11. 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 THE CONFLICT HAS BEEN RESOLVED. IF NEEDED, A DESIGN WAIVER SHALL BE OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
12. PUSHBUTTON IS TO BE LOCATED SO THAT A PEDESTRIAN IN A WHEELCHAIR LOCATED ON THE LEVEL LANDING AREA DOES NOT HAVE TO REACH MORE THAN 18 IN.
13. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR FROM A 60 IN. x 60 IN. LEVEL LANDING AREA. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
14. THE 10 FT. MINIMUM SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER OF POLE TO CENTER OF POLE.
15. PUSHBUTTON ARROWS SHOULD BE TURNED PARALLEL TO THE CROSSWALK FOR WHICH THEY ARE INTENDED.
16. ALL ACCESSIBLE PEDESTRIAN CONTROL EQUIPMENT SHALL BE DELIVERED TO THE SHA SIGNAL SHOP FOR TESTING AND PROGRAMMING PRIOR TO INSTALLATION. CONTACT MR. EDWARD RODENHIZER AT 410-787-7650 SEVENTY-TWO (72) HOURS IN ADVANCE TO COORDINATE.
17. ALL TRAFFIC SIGNAL MODIFICATIONS SHALL BE CONSTRUCTED PRIOR TO SIDEWALK INSTALLATION.

TOD NO:XX321-01
SHA NO:PG749A51/B51
MD 212 @ FLORAL DR

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

MD 212 (POWDER MILL ROAD) AT FLORAL DRIVE
HILLANDALE, MARYLAND

SIGNALIZATION PLAN SHEET

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

REVISIONS		
D	INSTALL APS AND CPS ON THE SOUTH AND WEST LEGS	03/2009
SDY	SHA # XX3215185	03/30/09 1:18 PM
C	ADD PED SIGNALS, NEARSIDE SIGNALS AND LOOPS	01/1994
TNW	SHA #	
B	REVISE SIGNALS TO E/P	04/1976
SR		

SCALE 1" = 20' ADVERTISED DATE 12/20/1973 CONTRACT NO.

DESIGNED BY J. GORDON
DRAWN BY J.G. AND D.D.
CHECKED BY WM. FITCH
F.A.P. NO. SEE TITLE SHEET
COUNTY PRINCE GEORGE'S
LOGMILE 16021205.62
TIMS NO. J387
TOD NO.

TS NO. 703 D | DRAWING SG-01 OF 02 | SHEET NO. 01 OF 02

PLOTTED: Thursday, February 26, 2009 AT 01:58 PM
FILE: J:\DATA\J387\Drawings\pSG-P001_mdrd2.dgn

BY: sycung2