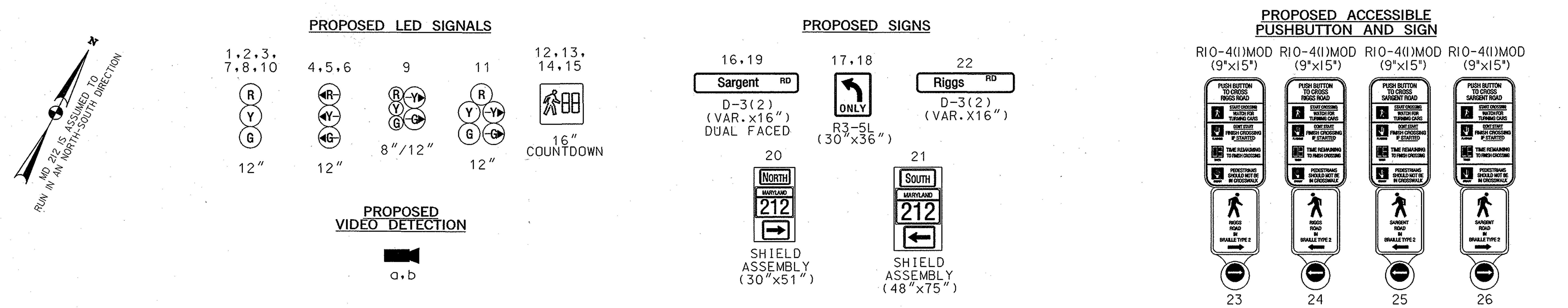
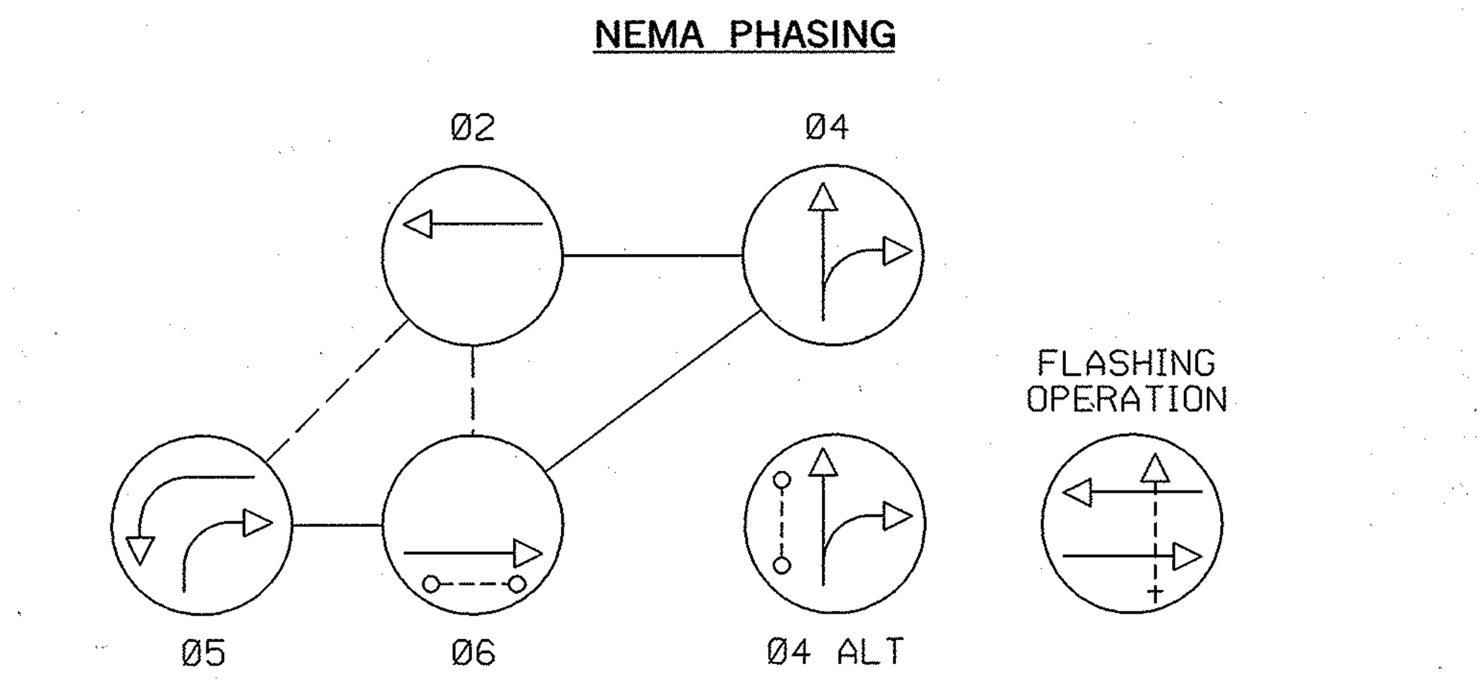
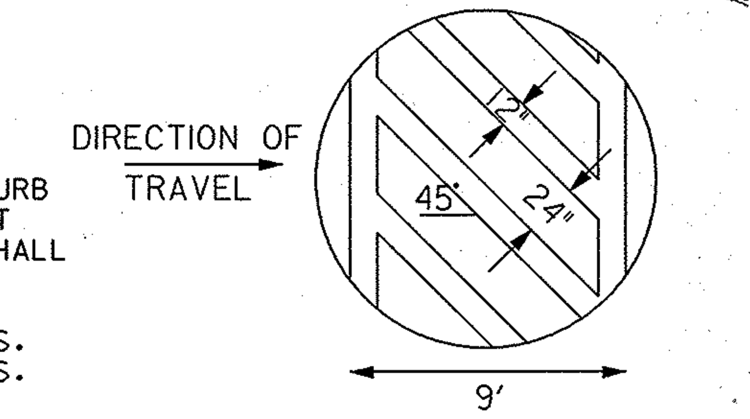




NOTE:
PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

LINE HEIGHTS (LH) 1
GUY WIRE 1 - 23'-6"
GUY WIRE 2 - 25'-1"
COMMUNICATION - 26'-1"

LINE HEIGHTS (LH) 2
AERIAL CABLE - 20'-0"
SECONDARY - 28'-0"



12" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS TYPICAL CROSSWAL DETAIL

CONSTRUCTION DETAILS

A. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT, CONCRETE PAD, AND FOUNDATION (NOTE: 2-2 IN. AND 2-4 IN. 90 DEGREE BENDS)
B. INSTALL A 16 FT. SPECIAL "T" STEEL POLE WITH TWIN 70 FT./38 FT. MAST ARMS, FOUNDATION, LED TRAFFIC SIGNAL HEADS, SIGNS, COUNTDOWN LED PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PUSHBUTTON AND SIGN R10-4(1) "PUSH BUTTON TO CROSS SARGENT ROAD" (THE 70 FT. ARM IS FOR THE NORTH LEG) (NOTE: 1-3 IN. 90 DEGREE PVC BEND) (SEE NOTE 4)
C. INSTALL A 16 FT. SPECIAL "T" STEEL POLE WITH A 38 FT. MAST ARM, FOUNDATION, LED TRAFFIC SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERA (NOTE: 1-3 IN. 90 DEGREE PVC BEND) (SEE NOTE 4)
D. INSTALL A 16 FT. SPECIAL "T" STEEL POLE WITH A 50 FT. MAST ARM, FOUNDATION, SIGNS, LED TRAFFIC SIGNAL HEADS, AND VIDEO DETECTION CAMERA (NOTE: 1-3 IN. 90 DEGREE PVC BEND) (SEE NOTE 4)
E. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION, ACCESSIBLE PUSHBUTTON, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, AND SIGN R10-4(1) "PUSH BUTTON TO CROSS SARGENT ROAD" (NOTE: 1-3 IN. 90 DEGREE PVC BEND) (SEE NOTE 4)
F. REMOVE EXISTING PUSHBUTTON AND PEDESTRIAN SIGNAL HEAD(S) AND INSTALL NEW LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PUSHBUTTON AND SIGN R10-4(1) "PUSH BUTTON TO CROSS RIGGS RD."
G. REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT (REMOVE FOUNDATION 12 IN. BELOW GRADE)
H. REMOVE EXISTING HANDHOLE
J. USE EXISTING HANDHOLE
K. USE EXISTING CONDUIT
L. ABANDON EXISTING CONDUIT, CAP AT NEAREST HANDHOLE
M. ABANDON EXISTING LOOP DETECTOR
N. INSTALL NON-INVASIVE MICROLOOP PROBE SET
O. INSTALL 24 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS FOR STOPLINE (SEE NOTE 9)
P. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED (SEE NOTE 13)
Q. INSTALL METERED SERVICE PEDESTAL (NOTE: 1-2 IN. 90 DEGREE PVC BEND)
R. INSTALL ELECTRICAL HANDHOLE
S. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. THE CONTRACTOR SHALL CAP, MARK, AND LEAVE A 1 FT. PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS
T. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
U. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED (SEE NOTE 13)
V. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - SLOTTED (SEE NOTE 13)
W. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. THE CONTRACTOR SHALL CAP, MARK, AND LEAVE A 1 FT. PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.
X. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
Y. INSTALL 12 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK (SEE DETAIL THIS SHEET) (SEE NOTE 9)
Z. CONSTRUCT A 4 FT. x 4 FT. x 5 IN. CONCRETE PAD

GENERAL NOTES

1. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD PLATES FOR TRAFFIC CONTROL.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
4. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
5. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
6. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.02, MD 818.04, THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
7. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
8. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE TO THE MDSHA STANDARDS.
9. THE CONTRACTOR SHALL CENTER THE CROSSWALKS TO THE EXISTING AND PROPOSED RAMPS.
10. ALL ACCESSIBLE PEDESTRIAN CONTROL EQUIPMENT SHALL BE DELIVERED TO THE SHA SIGNAL SHOP FOR TESTING AND PROGRAMMING PRIOR TO INSTALLATION. CONTACT MR. EDWARD RODENHIZER TO COORDINATE AT 410-787-7650.
11. SEE GENERAL INFORMATION SHEET 1 FOR PROPOSED SIGNAL POLE DETAIL.
12. SEE GENERAL INFORMATION SHEET 2 FOR PROPOSED SIGNAL POLE LOCATIONS, APS LAYOUT AND CROSSWALK/STOPLINE DETAIL.
13. THE CONTRACTOR SHALL REMOVE AND REPLACE CONCRETE SIDEWALK AT THE NEAREST JOINT.
14. THE CONTRACTOR SHALL MAINTAIN THE EXISTING TRAFFIC SIGNAL UNTIL NEW SIGNAL IS OPERATIONAL.
15. 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.

Δ Addendum 6/ 107

UTILITY LEGEND

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

GEOMETRIC LEGEND

——	PROPOSED
——	EXISTING

STV Incorporated
engineers /architects /planners /construction managers
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

BY: guiliamc

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS	
C	RECONSTRUCT EXISTING TRAFFIC SIGNAL, INSTALL APS AND COUNTDOWN PED. SIGNALS SHA #PG6775177 11/2006
STV MCG	
B	8-23-04 PROVIDE RIGHT TURN OVER-LAP FOR WB SARGENT ROAD
MEL	
A	9-24-02 ADD PED PHASES ACROSS SOUTH AND WEST LEGS SHA #XX1065285

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

MD 212 (RIGGS ROAD) AT SARGENT ROAD

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE 5-30-1980 CONTRACT NO. P 800-501-385

DESIGNED BY		COUNTY	PRINCE GEORGE'S
DRAWN BY	R.E. WATSON	LOGMILE	16021200.93
CHECKED BY		T.I.M.S. NO.	I165
F.A.P. NO.		TOD NO.	

DRAWING NO. TS-1779C OF   SHEET NO. 16 OF

PLOTTED: Thursday, May 17, 2007 AT 02:05 PM
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