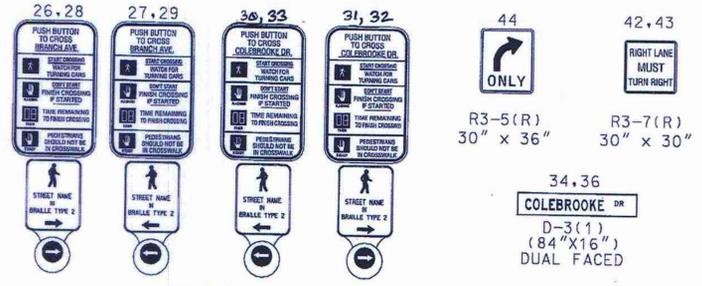
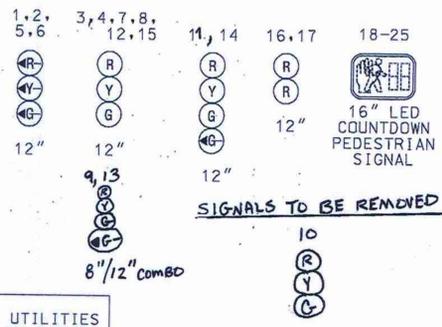


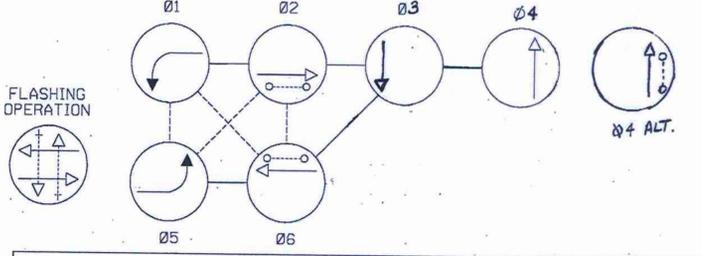
PROPOSED SIGNS



PROPOSED SIGNALS



NEMA PHASING



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

EXISTING SIGNS TO REMAIN



EXISTING SIGNS TO BE REMOVED



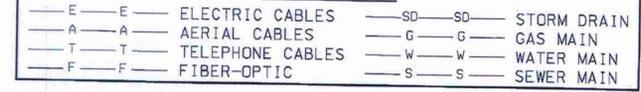
GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
2. FOR FINAL PAVEMENT MARKINGS REFER TO PLAN SHEET SG-03, MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
5. 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.
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. REFER TO PLAN SHEET SG-03 FOR INSTALLATION OF AND MODIFICATIONS TO ALL ADA RAMPS.
8. MAINTAIN EXISTING SIGNAL UNTIL PROPOSED SIGNAL IS IN FULL SERVICE.
9. TRENCH CONDUIT PRIOR TO RAMP AND SIDEWALK INSTALLATION.
10. PUSHBUTTONS TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60"x60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
11. THE 10" SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
12. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
13. 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.

CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- B. INSTALL CONCRETE FOUNDATION WITH STEEL PEDESTAL STUB POLE (CUT ABOVE PEDESTRIAN SIGNAL, PUSHBUTTON) WITH BREAKAWAY BASE, PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- C. INSTALL MODIFIED CONCRETE FOUNDATION (MSHA STD. 801.01-01) WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- D. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. DISTURBED SIDEWALK SHALL BE REPLACED TO THE NEAREST JOINT.
- E. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED DURING SIDEWALK CONSTRUCTION.
- F. INSTALL NEW 12 IN. LED BLACK-FACED SIGNAL HEADS, WITH NEW CABLE.
- G. INSTALL NEW 12 IN. LED BLACK-FACED SIGNAL HEAD. REMOVE EXISTING SIGNAL HEAD. REUSE EXISTING CABLE.
- H. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- I. INSTALL R3-5(R) ARROW SYMBOL "ONLY", SIGN ON SPAN WIRE.
- J. REMOVE EXISTING PEDESTRIAN SIGNALS, PUSHBUTTON AND SIGN AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNALS WITH 5 CONDUCTOR CABLE.
- K. REMOVE EXISTING R10-12 "LEFT TURN YIELD ON GREEN" SIGN.
- L. INSTALL 5 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
- M. INSTALL RIGHT TURN ARROW, "ONLY" AT 40 FT. INTERVALS FROM STOP LINE.
- N. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING 12 FT. APART.
- O. INSTALL 5 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (3 FT. STRIPE - 9 FT. GAP).
- P. INSTALL R3-7(R) "RIGHT LANE MUST TURN RIGHT" SIGN ON 4 IN. X 4 IN. WOOD SUPPORT.
- Q. INSTALL NEW 12 IN. LED MODULES ON EXISTING BLACK-FACED SIGNAL. REUSE EXISTING CABLE.
- R. REMOVE EXISTING SIGN AND INSTALL D-3(1) "COLEBROOKE DR" SIGN ON SPAN WIRE.
- S. REMOVE EXISTING PAVEMENT MARKING.
- T. REMOVE EXISTING PAVEMENT MARKING HATCHING WITHIN CROSSWALK.
- U. REMOVE EXISTING PEDESTRIAN SIGNAL(S), PUSHBUTTON(S) AND SIGN.
- V. REPLACE EXISTING CROSSWALK IN KIND WITH 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
- W. REPLACE EXISTING STOP LINE IN KIND WITH HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
- X. REMOVE EXISTING TRAFFIC SIGNAL HEAD
- Y. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT-SLOTTED.

UTILITY LEGEND



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WBCM
ARCHITECTURE ENGINEERING CONSTRUCTION

Handwritten signature: Ted D. Ball
TED D. BALL
TEAM LEADER, TEDD
REDLINE NO. 1
ADD ADDITIONAL SLOT
6/2/2010
TOD NO: XX449-42
SHA NO: PG556ASC/CSC
MD 5@COLEBROOKE DR

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 5 (BRANCH AVE.)
AT COLEBROOKE DRIVE

APPROVALS	REVISIONS	SIGNALIZATION PLAN SHEET	
<p>TEAM LEADER</p> <p>ASST. DIR. CHIEF</p> <p>DIVISION CHIEF</p> <p>OFFICE DIRECTOR</p>	<p>E. MODIFY MD 5 EXCLUSIVE LEFT-TURN PHASING, INSTALL APCS 1008</p> <p>D. RECONSTRUCT SIGNAL 1008 DUE TO GEOMETRIC IMPROVEMENTS PROJECTS NO. PG2096171</p> <p>C. REVIEW DETECTOR PLACEMENT</p>	<p>SCALE: 1" = 20' ADVERTISED DATE: NOV. 13, 1973 CONTRACT NO. XX4495195</p> <p>DESIGNED BY: _____ COUNTY: PRINCE GEORGE'S</p> <p>DRAWN BY: S. RENZI LOGMILE: 18000514.30</p> <p>CHECKED BY: B. TYSON TMS NO. 1863</p> <p>F.A.P. NO. _____ TOD NO. _____</p>	<p>TS NO. 1066 DRAWING SG-01 OF 03 SHEET NO. 1 OF 3</p>

PLOTTED: Friday, November 21, 2008 AT 10:40 AM
FILE: P:\004\04080808\Drawings\004\08-P001_mds.dgn