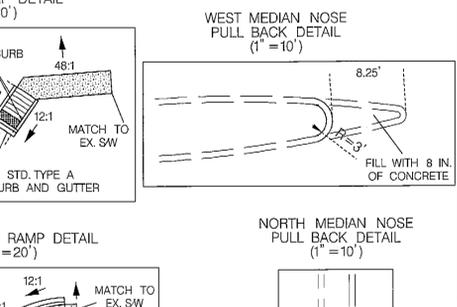
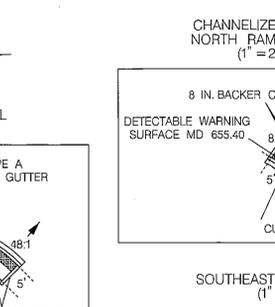
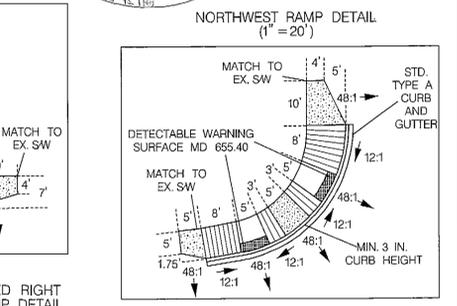
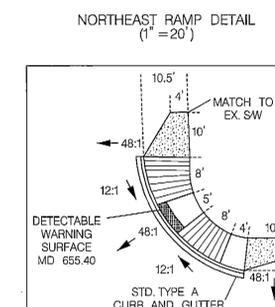
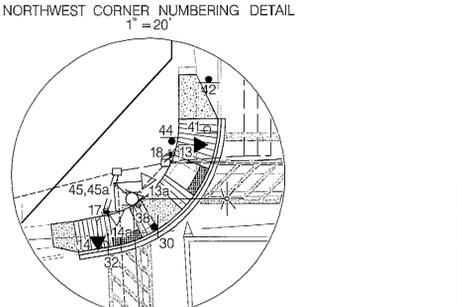


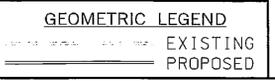
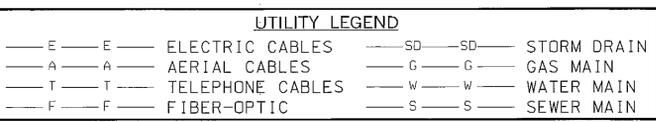
PHASING NOTES:
 1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
 2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.



- CONSTRUCTION DETAILS**
- REMOVE EXISTING SIDEWALK AND RAMP. CONSTRUCT NEW SIDEWALK AND RAMP PER SHA STD. MD 655.12 WITH DETECTABLE WARNING SURFACE PER SHA STD. MD 655.40. SEE DETAIL THIS SHEET.
 - REMOVE EXISTING SIDEWALK AND RAMP. CONSTRUCT NEW SIDEWALK AND RAMP PER SHA STD. MD 655.12 MODIFIED WITH TYPE A CURB IN LIEU OF SIDE FLARE AS SHOWN AND DETECTABLE WARNING SURFACE PER SHA STD. MD 655.40. SEE DETAIL THIS SHEET.
 - REMOVE EXISTING SIDEWALK AND RAMP. CONSTRUCT NEW SIDEWALK AND RAMP PER SHA STD. MD 655.11 MODIFIED WITH TYPE A CURB IN LIEU OF SIDE FLARES AS SHOWN AND DETECTABLE WARNING SURFACE PER SHA STD. MD 655.40. SEE DETAIL THIS SHEET.
 - REMOVE EXISTING SIDEWALK AND RAMP. CONSTRUCT NEW SIDEWALK AND RAMP PER SHA STD. MD 655.13 WITH DETECTABLE WARNING SURFACE PER SHA STD. MD 655.40. SEE DETAIL THIS SHEET.
 - CONSTRUCT 5 IN. CONCRETE SIDEWALK.
 - INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION PER SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PEDESTRIAN PUSHBUTTON (ARROW LEFT) AND SIGN R10-3(1) "PUSH BUTTON TO CROSS TSCHEIFFEL SQUARE ROAD" (NOTE: 1-3 IN. PVC 90 DEGREE BEND).
 - INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION PER SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PEDESTRIAN PUSHBUTTON (ARROW RIGHT) AND SIGN R10-3(1) "PUSH BUTTON TO CROSS DARNESTOWN ROAD" (NOTE: 1-3 IN. PVC 90 DEGREE BEND).
 - INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION PER SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PEDESTRIAN PUSHBUTTON (ARROW LEFT) AND SIGN R10-3(1) "PUSH BUTTON TO CROSS DARNESTOWN ROAD" (NOTE: 1-3 IN. PVC 90 DEGREE BEND).
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 - REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. CAP AND ABANDON EXISTING CONDUIT.
 - REMOVE EXISTING PUSHBUTTONS, PUSHBUTTON SIGNS AND PEDESTRIAN SIGNAL HEADS FROM EXISTING SIGNAL POLE.
 - REMOVE EXISTING PAVEMENT MARKINGS THAT EXTEND BEYOND PROPOSED STOPLINE.
 - REMOVE EXISTING PAVEMENT MARKINGS THAT EXTEND INTO PROPOSED CROSSWALK.
 - REMOVE EXISTING PAVEMENT MARKINGS.
 - INSTALL 12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE FOR CROSSWALK.
 - INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE FOR STOPLINE.
 - INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
 - USE EXISTING CONDUIT.
 - USE EXISTING HANDHOLE.
 - USE EXISTING BASE MOUNTED CABINET AND CONTROLLER.
 - REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT.
 - REMOVE EXISTING OVERHEAD SIGN.
 - INSTALL GROUND MOUNTED SIGN ON ONE 4 IN. X 6 IN. WOOD POST.
 - REMOVE EXISTING OVERHEAD SIGN AND INSTALL NEW OVERHEAD SIGN(S) ON SIGNAL POLE.
 - PULL BACK MEDIAN NOSE AND BACK FILL WITH 8 IN. OF CONCRETE. (SEE DETAIL THIS SHEET)
 - REMOVE EXISTING PEDESTRIAN SIGNAL HEAD FROM EXISTING SIGNAL POLE.
 - REMOVE EXISTING SIGNS AND INSTALL NEW SIGNS ON EXISTING WOOD POST.
 - INSTALL 5 IN. HEAT APPLIED WHITE PERMANENT PAVEMENT MARKING LINE.

- GENERAL NOTES**
- MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MSHA STANDARD TYPICALS FOR TRAFFIC CONTROL.
 - 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.
 - 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.
 - THE CONTRACTOR SHALL INTEGRATE PROPOSED CONCRETE FOUNDATIONS WITH NEW SIDEWALK RAMP WHERE NECESSARY. THE FOUNDATIONS SHALL BE FLUSH WITH AND PART OF THE FINAL CURB OR SIDEWALK GRADE TO INCREASE ACCESSIBILITY FOR PEDESTRIANS.
 - ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
 - THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE LOCATION(S) PRIOR TO INSTALLATION.
 - ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
 - LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E-09 AND FIG. 4E-21 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.
 - 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.
 - 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%.

- GENERAL NOTES CONTINUED**
- PUSHBUTTON ARROWS SHOULD BE TURNED PARALLEL TO THE CROSSWALK FOR WHICH THEY ARE INTENDED.
 - ALL TRAFFIC SIGNAL MODIFICATIONS SHALL BE CONSTRUCTED PRIOR TO SIDEWALK INSTALLATION.
 - THE CONTRACTOR SHALL REMOVE AND REPLACE CONCRETE SIDEWALK AT THE NEAREST JOINT.
 - THE CONTRACTOR SHALL REFER TO FIGURE 3B-17a OF THE 2006 MARYLAND M.U.T.C.D. FOR CROSSWALK PAVEMENT MARKING DETAIL.
 - THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
 - THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE LOCATION(S) PRIOR TO INSTALLATION.
 - THE DETECTABLE WARNING SURFACES SHALL BE STANDARD YELLOW COLOR.
 - THE CONTRACTOR SHALL CENTER THE PROPOSED CROSSWALKS ON THE NEWLY CONSTRUCTED RAMPS.



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SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 MD 28 (DARNESTOWN ROAD)
 AT TSCHEIFFEL SQUARE ROAD
 GAITHERSBURG, MD

APPROVALS		REVISIONS		SIGNALIZATION PLAN SHEET	
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				SHA NO. M02828271	09/2002
ORIGINAL ON FILE				SHA NO. M02828271	09/2001
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DESIGNED BY: T. ZAYDEL				COUNTY: MONTGOMERY	
DRAWN BY: T. HANNAN				LOGMILE: 15002816.06	
CHECKED BY: T. HANNAN				TMS NO.: D107	
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TS NO. 3609B		DRAWING SG-5		OF 6 SHEET NO. 5 OF 6	

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