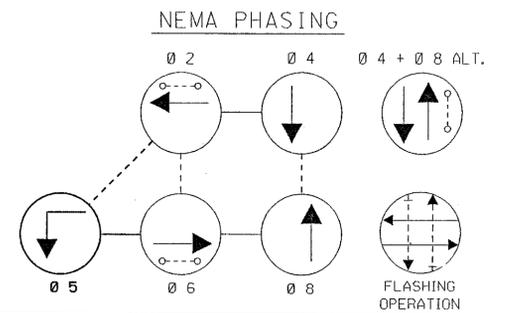
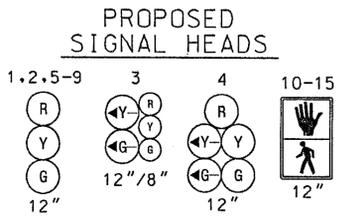
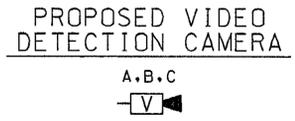
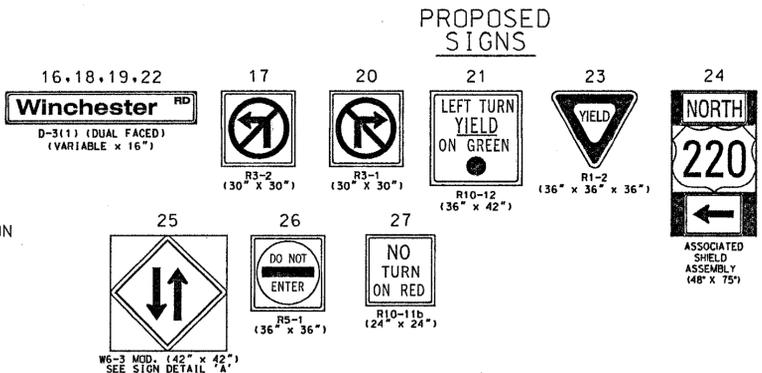
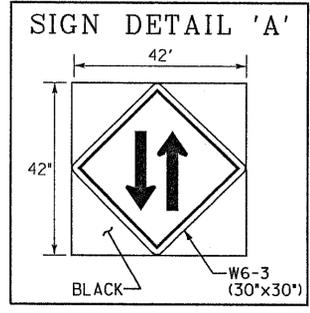
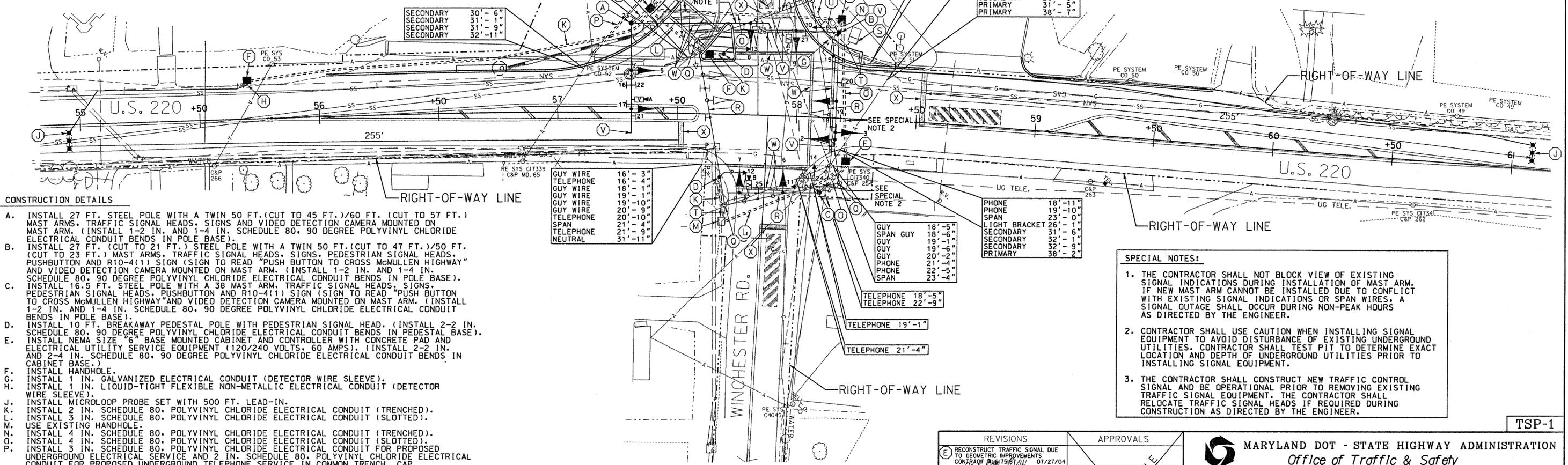


US 220 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION



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

- GENERAL NOTES
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. TO MEET CLEARANCE 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.
 - ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
 - THE CONTRACTOR SHALL NOT CUT MAST ARM AS INDICATED ON PLANS UNTIL MAST ARM POLE LOCATION IS FINALIZED.
 - INSTALL CONDUIT AND MICROLOOP PROBES PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS. REFER TO SIGNING AND PAVEMENT MARKING PLANS FOR ADDITIONAL DETAILS.
 - VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
 - ALL HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.
 - REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
 - THE SIGNAL CONTRACTOR SHALL DETERMINE IF ANY WORK BY OTHER CONTRACTORS CAN NOT BE COMPLETED UNTIL INSTALLATION OF SIGNAL EQUIPMENT IS COMPLETE. THE SIGNAL CONTRACTOR SHALL NOTIFY OTHER CONTRACTORS OF THIS WORK.
 - REFER TO SHEET TSP-2 FOR DIMENSIONS OF SIGNAL EQUIPMENT AND PAVEMENT MARKINGS WITHIN INTERSECTION.



- CONSTRUCTION DETAILS
- INSTALL 27 FT. STEEL POLE WITH A TWIN 50 FT. (CUT TO 45 FT.)/60 FT. (CUT TO 57 FT.) MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERA MOUNTED ON MAST ARM. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE.)
 - INSTALL 27 FT. (CUT TO 27 FT.) STEEL POLE WITH A TWIN 50 FT. (CUT TO 47 FT.)/50 FT. (CUT TO 47 FT.) MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND R10-4(1) SIGN (SIGN TO READ "PUSH BUTTON TO CROSS McMULLEN HIGHWAY") AND VIDEO DETECTION CAMERA MOUNTED ON MAST ARM. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE.)
 - INSTALL 16.5 FT. STEEL POLE WITH A 38 MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND R10-4(1) SIGN (SIGN TO READ "PUSH BUTTON TO CROSS McMULLEN HIGHWAY") AND VIDEO DETECTION CAMERA MOUNTED ON MAST ARM. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE.)
 - INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD. (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE.)
 - INSTALL NEMA SIZE #6 BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD AND ELECTRICAL UTILITY SERVICE EQUIPMENT (120/240 VOLTS, 60 AMPS). (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE.)
 - INSTALL HANDHOLE.
 - INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
 - INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
 - INSTALL MICROLOOP PROBE SET WITH 500 FT. LEAD-IN.
 - INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
 - INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
 - USE EXISTING HANDHOLE.
 - INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
 - INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
 - INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE AND 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND TELEPHONE SERVICE IN COMMON TRENCH. CAP AND MARK CONDUITS 2 FT. ABOVE GRADE AT UTILITY POLE FOR USE BY OTHERS.
 - REMOVE EXISTING STRAIN POLE AND PEDESTRIAN SIGNAL HEAD(S). REMOVE FOUNDATION 12 IN. BELOW GRADE.
 - REMOVE EXISTING SPAN WIRE, TETHER WIRE, SIGNAL HEADS AND SIGN(S).
 - REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER. REMOVE FOUNDATION 12 IN. BELOW GRADE. SHA SIGNAL SHOP SHALL BE NOTIFIED TO REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CABINET.
 - CAP AND ABANDON EXISTING CONDUIT.
 - REMOVE EXISTING HANDHOLE.
 - CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.
 - INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).
 - INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).

UTILITY CALLOUTS

GUY WIRE	16'-3"
TELEPHONE	16'-4"
GUY WIRE	18'-1"
GUY WIRE	19'-10"
GUY WIRE	19'-10"
GUY WIRE	20'-9"
TELEPHONE	20'-10"
SPAN	21'-4"
TELEPHONE	21'-9"
NEUTRAL	31'-11"

UTILITY CALLOUTS

PHONE	18'-11"
PHONE	19'-10"
SPAN	23'-0"
LIGHT BRACKET	26'-1"
SECONDARY	31'-6"
SECONDARY	32'-9"
SECONDARY	32'-9"
PRIMARY	38'-2"

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	—
ELECTRICAL	—
TELEPHONE	—
GAS	—
SEWER	—
STORM DRAIN	—
WATER	—
CABLE TV	—

WR&A
 Whitman, Reardon
 and Associates, LLP
 801 South Caroline Street
 Baltimore, Maryland 21231
 (410) 235-3450

REVISIONS	APPROVALS
E RECONSTRUCT TRAFFIC SIGNAL DUE TO GEOMETRIC IMPROVEMENTS CONTRACT #07561/07 07/27/04	 MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION TRAFFIC SIGNALIZATION PLAN US 220 @ MD 53/WINCHESTER ROAD (CRESAP TOWN)
D ADD PEDESTAL AND SIGNS FOR S, E, AND W LEGS OF INTERSECTION 06/17/96	
DBD REPLACE LOOP DETECTORS 02/92	
DBD ADJUST SIGNAL HEAD AND LOOP DETECTION 9/9/83	

DRAWN BY: M. LINARDI	F.A.P. NO. A-575X-000-685	TS NO. 516E	SHEET NO.
CHECKED BY: B. THOMPSON	COUNTY: ALLEGANY	T.I.M.S. NO. 6074	OF
SCALE: 1" = 20'	LOG MILE: 01022014.03		
DATE: 5/29/73			

TSP-1