

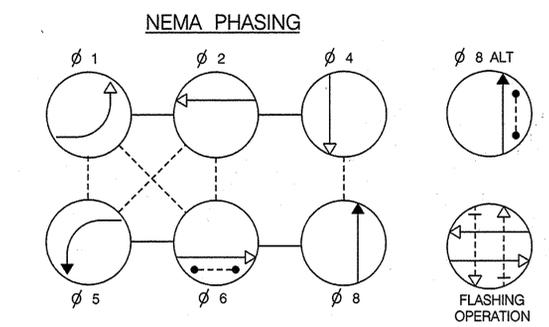
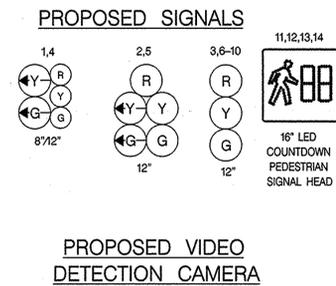
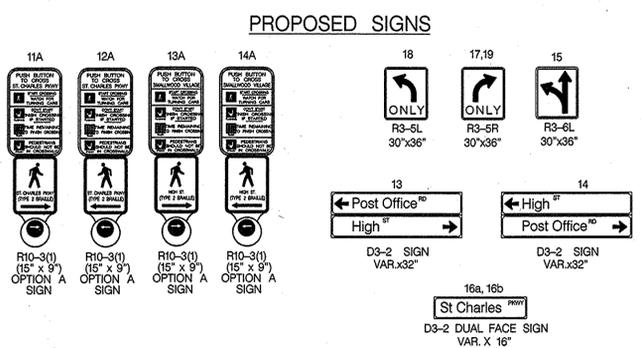
DRILL HOLES

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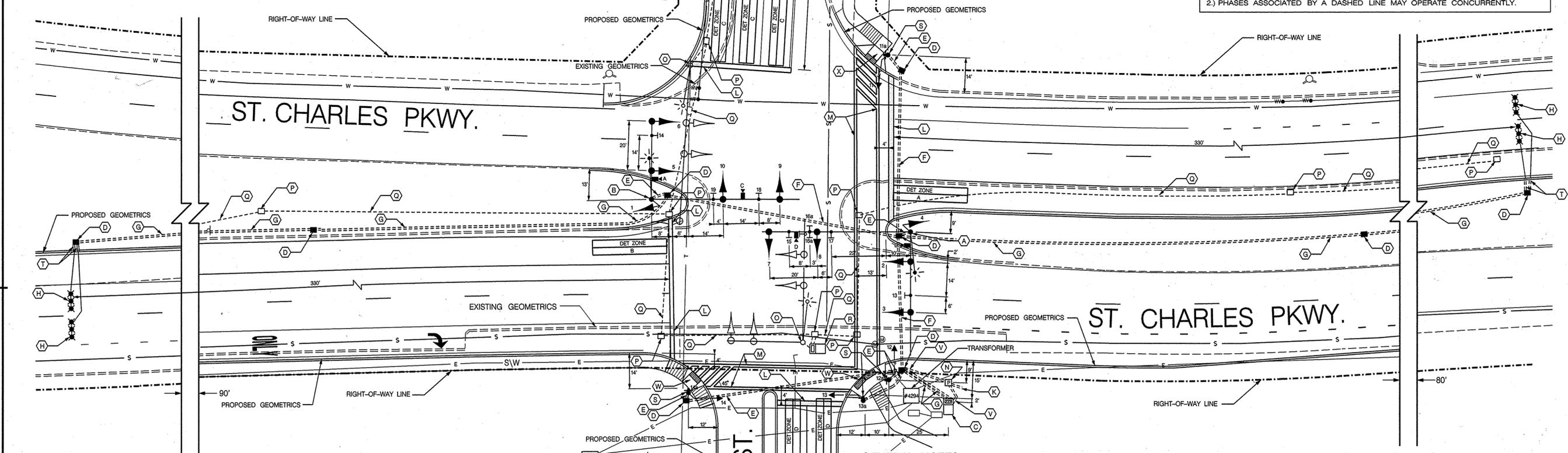
DRILL HOLES



ST. CHARLES PKWY. IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION



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



CONSTRUCTION DETAILS

- A. INSTALL 27 FT. MAST ARM POLE WITH TWIN 50 FT. 60 FT. MAST ARMS, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- B. INSTALL 27 FT. MAST ARM POLE WITH TWIN 50 FT. 60 FT. MAST ARMS, SIGNAL HEADS, SIGN, VIDEO DETECTION CAMERA, AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- C. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL OTHER NECESSARY EQUIPMENT (NOTE: INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- D. INSTALL ELECTRICAL HANDHOLE
- E. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
- F. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED
- G. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
- H. INSTALL MICRO-LOOP PROBE SETS
- K. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED (STUB UP ABOVE GRADE & CAP)
- L. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (TIE INTO EXISTING MARKING LINE WHERE NECESSARY)
- M. INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (WITH CONTINUOUS DIAGONAL LINES)
- N. INSTALL METER SERVICE PEDESTAL
- O. REMOVE EXISTING MAST ARM POLE AND ALL ASSOCIATED EQUIPMENT (REMOVE FOUNDATION 12" BELOW GRADE)
- P. REMOVE EXISTING HANDHOLE
- Q. CAP AND ABANDON EXISTING CONDUIT
- R. REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER
- S. INSTALL BREAKAWAY PEDESTAL POLE, PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN (NOTE: INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BEND)
- T. INSTALL 1 IN. LIQUID-TIGHT NON METALLIC CONDUIT
- V. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
- W. INSTALL SIDE WALL RAMP PARALLEL (STD. NO. MD 655.12) WITH DETECTABLE WARNING SURFACE (STD. NO. MD 655.40)
- X. INSTALL SIDE WALL RAMP COMBINATION (STD. NO. MD 655.13) WITH DETECTABLE WARNING SURFACE (STD. NO. MD 655.40)

GENERAL NOTES

- 1. 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 CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
- 2. 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 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.
- 3. INSTALL CONDUIT AND DETECTION PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
- 4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT BEING REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE WORK.
- 5. PUSHBUTTONS ARE TO BE LOCATED SO THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" X 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
- 6. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM THE FACE OF THE PUSHBUTTON TO THE FACE OF THE PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
- 7. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
- 8. 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 LOCATION UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
- 9. ALL STREET LIGHTING LUMINAIRES SHALL BE SUPPLIED WITH PHOTOCELL.
- 10. THE ADA RAMPS SHOWN SHALL CONFORM TO MDSHA STANDARDS (655.11, 655.12, 655.13).

THIS DRAWING REFERENCES PROPOSED GEOMETRIC IMPROVEMENTS, SIGNING, AND PAVEMENT MARKINGS AS SHOWN IN THE "PGM#VC 07-005" PLANS FOR SMALLWOOD VILLAGE SECTION 7.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

GENERAL NOTES (CONT.)

- 11. THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

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

RECONSTRUCT SIGNAL DUE TO TO WIDENING AND ADDING FOURTH LEG

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

TRAFFIC SIGNAL PLAN
ST. CHARLES PARKWAY AND
POST OFFICE ROAD /HIGH STREET

SCALE: 1" = 20' DATE: 11-4-96 CONTRACT NO. _____

DESIGNED BY	T. ZAYDEL	COUNTY	CHARLES
DRAWN BY	T. ZAYDEL	LOGMILE	NA
CHECKED BY	S. RENZI	T.I.M.S. NO.	I-693
F.A.P. NO.	NA	TOD NO.	NA

DRAWING NO. TS 3633 (A) SHEET NO. 3 OF 4