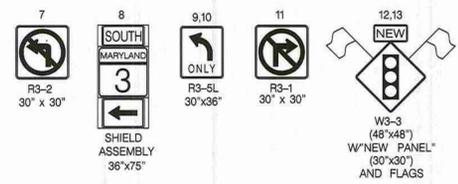


MD 3 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

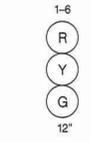
**PROPOSED SIGNS**



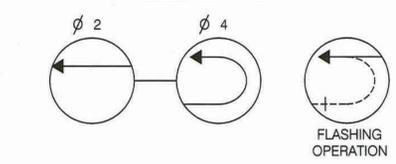
**PROPOSED VIDEO DETECTION CAMERA**



**PROPOSED L.E.D. SIGNAL HEADS**

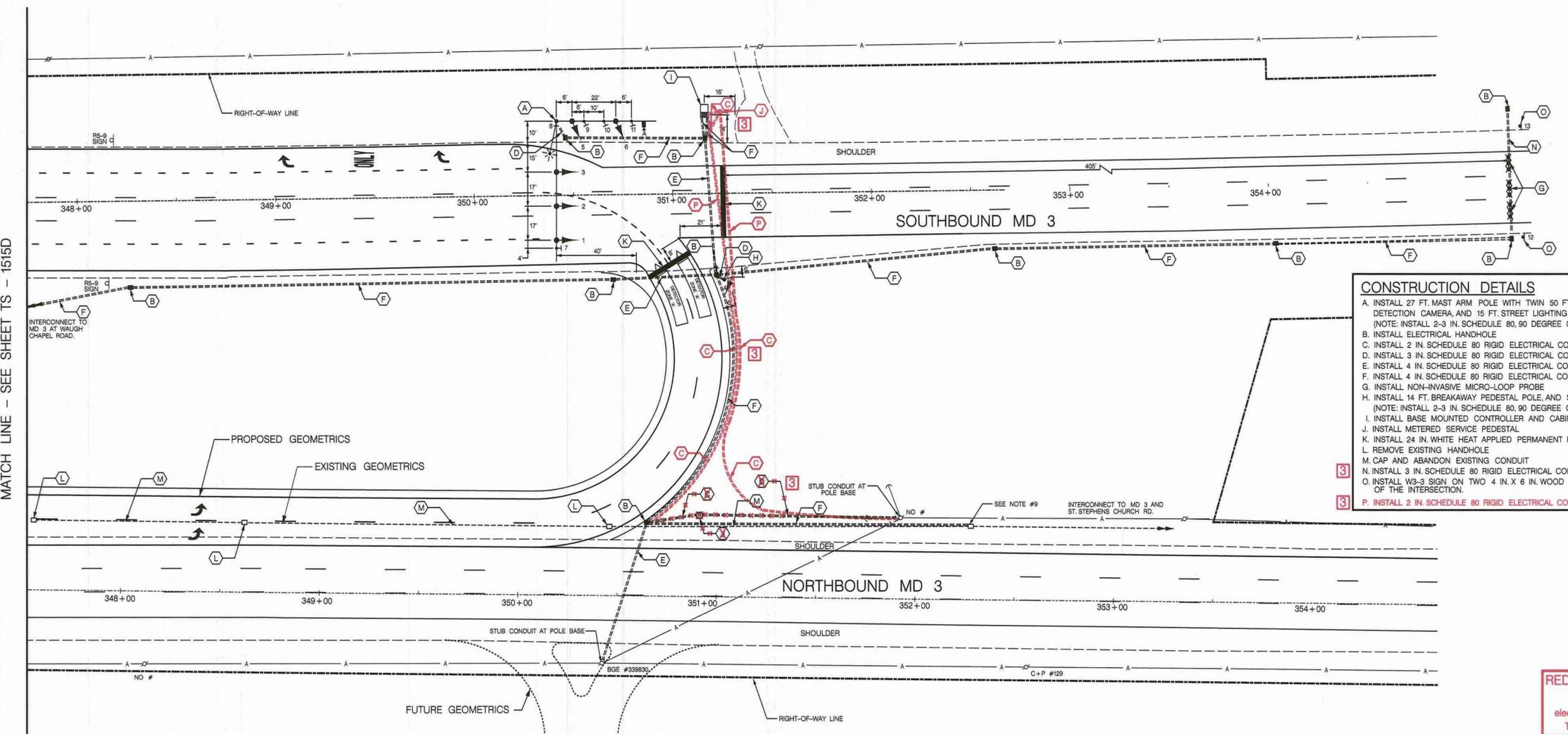


**NEMA PHASING**



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

MATCH LINE -- SEE SHEET TS - 1515D



**CONSTRUCTION DETAILS**

- A. INSTALL 27 FT. MAST ARM POLE WITH TWIN 50 FT./70 FT. MAST ARMS, SIGNAL HEADS, SIGNS, 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)
- B. INSTALL ELECTRICAL HANDHOLE
- C. INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
- D. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
- E. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
- F. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
- G. INSTALL NON-INVASIVE MICRO-LOOP PROBE
- H. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE, AND SIGNAL HEAD (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- I. INSTALL BASE MOUNTED CONTROLLER AND CABINET
- J. INSTALL METERED SERVICE PEDESTAL
- K. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- L. REMOVE EXISTING HANDHOLE
- M. CAP AND ABANDON EXISTING CONDUIT
- N. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED - SLOTTED
- O. INSTALL W3-3 SIGN ON TWO 4 IN. X 6 IN. WOOD SUPPORTS APPROXIMATELY 850 FT. IN ADVANCE OF THE INTERSECTION.
- P. INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED

**RED LINE REVISION NO. 3**  
 March 24, 2011  
 Install separate conduit for electric service and telephone service  
 TEDD Approval: [Signature]

**GENERAL NOTES**

- 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.
- 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.
- 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.
- ALL INTERNAL CABINET WIRING TO BE PERFORMED BY THE STATE HIGHWAY ADMINISTRATION SIGNAL SHOP.
- FOR ADDITIONAL SIGNING AND PAVEMENT MARKING SEE PLAN SHEETS.
- INSTALL CONDUIT AND DETECTION PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT BEING REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE WORK.
- THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
- DISCONNECT EXISTING INTERCONNECT CABLE FROM THE EXISTING CONTROLLER AT MD 3 & WAUGH CHAPEL RD. AND PULL BACK TO THIS POINT. RE-INSTALL THROUGH NEW CONDUIT TO THE NEW BASE MOUNTED CABINET & CONTROLLER AT THIS INTERSECTION.

GEOMETRIC LEGEND	
EXISTING	---
PROPOSED	---

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

**TRAFFIC CONCEPTS, INC.**  
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 EMAIL: TRAFFIC@TRAFFIC-CONCEPTS.COM

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

**SHA** STATE OF MARYLAND  
 DEPARTMENT OF TRANSPORTATION  
 STATE HIGHWAY ADMINISTRATION  
 OFFICE OF TRAFFIC & SAFETY  
 TRAFFIC ENGINEERING DESIGN DIVISION  
**SOUTHBOUND MD 3 AT  
 NORTHBOUND MD 3 "J-TURN"**

**TRAFFIC SIGNALIZATION PLAN**

SCALE 1"=30' DATE 8-1-09 CONTRACT NO. BW-996M82

DESIGNED BY T. ZAYDEL COUNTY ANNE ARUNDEL  
 DRAWN BY T. ZAYDEL LOGMILE 02000304.16  
 CHECKED BY K. SCHMID T.I.M.S. NO. J - 663  
 F.A.P. NO. NA TOD NO.

DRAWING NO. TS- 4725 SHEET NO. 1 OF 2

FILE PATH: M:\1700\1774\10-4-10-REDLINE\1-6-11.dgn  
 DATE: Friday, March 25, 2011 AT 12:01 PM