

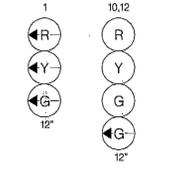
DRILL TOLLS

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MD 5 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

- CONSTRUCTION DETAILS**
- A. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER
  - B. INSTALL ELECTRICAL HANDHOLE
  - C. INSTALL 3 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT - TRENCHED
  - D. INSTALL TWO 4 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUITS - TRENCHED
  - E. INSTALL 4 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT - BORED
  - F. REMOVE EXISTING R3-BL SIGN FROM MAST ARM
  - G. USE EXISTING CONDUIT
  - H. USE EXISTING HANDHOLE
  - I. CAP AND ABANDON EXISTING CONDUIT
  - J. REMOVE EXISTING HANDHOLE
  - K. INSTALL 5 IN. SOLID WHITE, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE
  - L. INSTALL 5 IN. SOLID YELLOW, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE
  - M. INSTALL 5 IN. SKIP WHITE, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (3 FT. LINE - 9 FT. GAP)
  - N. INSTALL POLE MOUNTED SIGNAL HEAD TO EXISTING SIGNAL STRUCTURE
  - O. INSTALL 24 IN. SOLID WHITE, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE
  - P. INSTALL WHITE, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROW
  - Q. INSTALL DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40) - CAST IN PLACE
  - R. REMOVE EXISTING R3-BL SIGN FROM MAST ARM, REPLACE EXISTING SIGNAL HEADS #10 & #12 WITH PROPOSED 4-SECTION SIGNAL HEADS, AND INSTALL R3-SL SIGNS AS SHOWN. SEE SHEET 2 FOR DIMENSION DETAIL.
  - S. DISCONNECT AND ABANDON EXISTING LOOP DETECTOR
  - T. RELOCATE EXISTING R6-1R SIGN AND WOOD POST
  - U. REMOVE EXISTING PAVEMENT MARKING LINE
  - V. REMOVE EXISTING PAVEMENT MARKING ARROW
  - W. REMOVE EXISTING PAVEMENT MARKING "ONLY"
  - X. REMOVE EXISTING DETECTABLE WARNING SURFACE AND INSTALL NEW DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40) - CAST IN PLACE

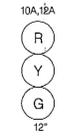
**PROPOSED SIGNAL HEADS**



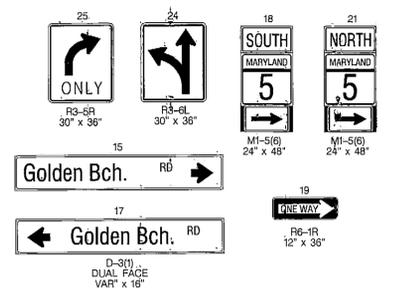
**PROPOSED SIGNS**



**EXISTING SIGNAL HEADS (TO BE REMOVED)**



**EXISTING SIGNS**



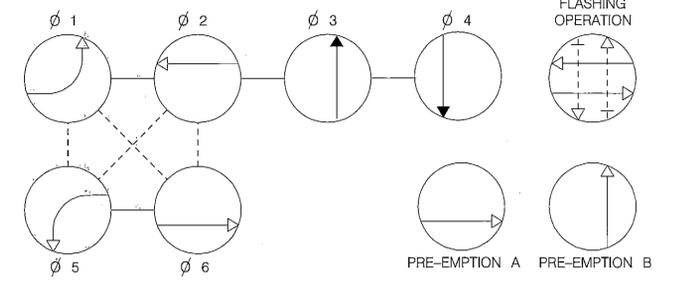
**EXISTING SIGN TO BE RELOCATED**



**EXISTING SIGN (TO BE REMOVED)**



**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.

**EXISTING VIDEO DETECTION CAMERA**



**EXISTING OPTICOM DETECTION**



**NORTHBOUND MD 5 (THREE NOTCH ROAD)**

**SOUTHBOUND MD 5 (THREE NOTCH ROAD)**

**GENERAL NOTES**

1. 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.
2. 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 THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
3. ALL PAVEMENT MARKINGS DETAILED SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
4. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
5. THE CONTRACTOR SHALL REMOVE ALL UNUSED CABLE.
6. INSTALL CONDUIT AND DETECTION PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
7. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT BEING REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE WORK.
8. DISCONNECT THE EXISTING SOUTHBOUND MICRO-LOOP, SIGNAL HEAD, VIDEO DETECTION, OPTICOM, AND LIGHTING CABLES FROM THE EXISTING CONTROLLER AT MD 5 & GOLDEN BEACH ROAD AND PULL THEM BACK TO THIS POINT. REINSTALL THESE CABLES THROUGH THE NEW CONDUIT & HANDHOLE TO THE EXISTING BASE MOUNTED CABINET.
9. DISCONNECT THE EXISTING INTERCONNECT CABLE FROM THE EXISTING CONTROLLER AT MD 5 & GOLDEN BEACH ROAD AND PULL IT BACK TO THIS POINT. REINSTALL THIS CABLE THROUGH THE NEW CONDUIT & HANDHOLE TO THE EXISTING BASE MOUNTED CABINET.

**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**

TEAM LEADER \_\_\_\_\_  
 ASST. DIV. CHIEF \_\_\_\_\_  
 DIVISION \_\_\_\_\_  
 OFFICE DIRECTOR \_\_\_\_\_

**REVISIONS**

11-6-2012	MR. [Signature]	ADD WESTBOUND LANE CHANGE EASTBOUND LANE USE, AND SPLIT SIDE STREET PHASING	TMS # 1282
8-25-2010	MR. [Signature]	ADD MICROLOOP PROBE	CONTRACT NO. T-1041-0140 TMS # A603
4-5-2008	BRD	ADD VIDEO DETECTION	CONTRACT NO. A17245185

**TRAFFIC SIGNALIZATION PLAN**

SCALE 1"=30' DATE 1-15-87 CONTRACT NO. \_\_\_\_\_

DESIGNED BY \_\_\_\_\_ COUNTY \_\_\_\_\_ ST. MARY'S  
 DRAWN BY JOHN GREEZICKI LOGMILE 18000548.88  
 CHECKED BY DENNIS DODA, JR. T.I.M.S. NO. H778  
 F.A.P. NO. \_\_\_\_\_ TOD NO. \_\_\_\_\_

DRAWING NO. TS-2285 F SHEET NO. 1 OF 2

SHA TRACKING NO. - 06-AP-SM-024-XX

**SHA** STATE OF MARYLAND  
 DEPARTMENT OF TRANSPORTATION  
 STATE HIGHWAY ADMINISTRATION  
 OFFICE OF TRAFFIC & SAFETY  
 TRAFFIC ENGINEERING DESIGN DIVISION  
**MD 5 & GOLDEN BEACH ROAD**  
 CHARLOTTE HALL, MARYLAND

Z:\1900\1970\Signal\md 5 @ golden beach rd.dgn  
 Monday, November 26, 2012 AT 08:47 AM