

**PROJECT DESCRIPTION**

THIS PROJECT INVOLVES THE SYSTEMIZATION OF THE INTERSECTIONS ON MD2/ MD 4 TRAVELING NORTH FROM OLD FIELD LANE TO STOAKLEY ROAD IN CALVERT COUNTY.

MD 2/MD 4 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION.

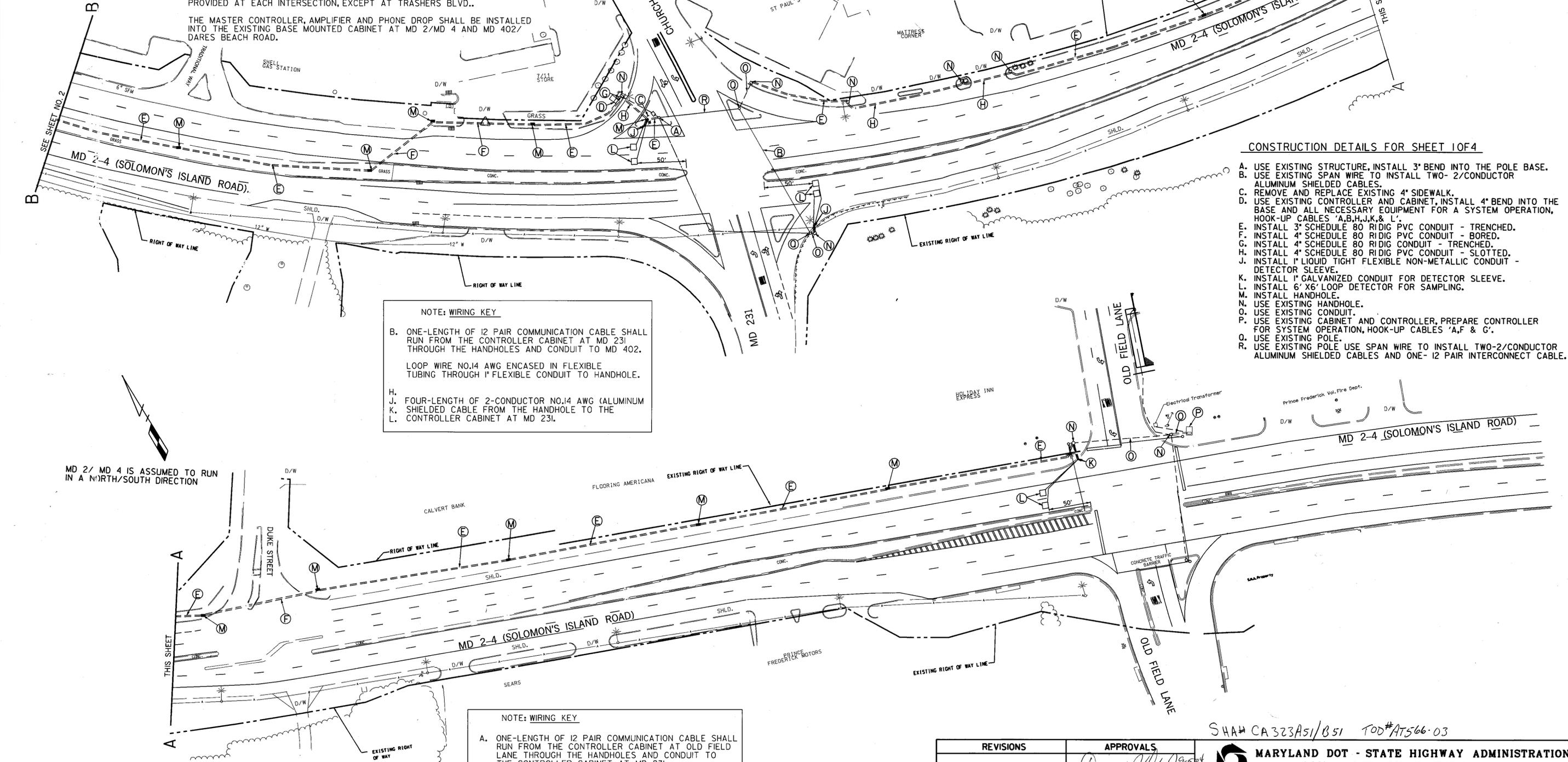
THE INTERSECTIONS WITHIN THE LIMITS OF THE SYSTEM ARE: OLD FIELD LANE, MD 231/ CHURCH STREET, MD 402 / DARES BEACH ROAD, FOX RUN / CHAPLINE PLACE BLVDS., TRASKERS BLVD., STOAKLEY RD./CALVERT MEMORIAL HOSPITAL.

ALL THE ABOVE INTERSECTIONS HAVE BASE MOUNTED CABINET AND THE CONTROLLERS SHALL BE SYSTEM MODIFIED. SAMPLING STATIONS SHALL BE PROVIDED AT EACH INTERSECTION, EXCEPT AT TRASKERS BLVD..

THE MASTER CONTROLLER, AMPLIFIER AND PHONE DROP SHALL BE INSTALLED INTO THE EXISTING BASE MOUNTED CABINET AT MD 2/MD 4 AND MD 402/ DARES BEACH ROAD.

NOTE:  
THE CONTRACTOR SHALL CONTACT ROBERT SNYDER AT 410-787-7632 TO MAKE ARRANGEMENTS FOR THE PHONE DROP (72 HOURS ADVANCENOTICE IS REQUIRED).

MD 2/ MD 4 IS ASSJMED TO RUN IN A NORTH/SOUTH DIRECTION



NOTE: WIRING KEY  
 B. ONE-LENGTH OF 12 PAIR COMMUNICATION CABLE SHALL RUN FROM THE CONTROLLER CABINET AT MD 231 THROUGH THE HANDHOLES AND CONDUIT TO MD 402.  
 LOOP WIRE NO.14 AWG ENCASED IN FLEXIBLE TUBING THROUGH 1" FLEXIBLE CONDUIT TO HANDHOLE.  
 H.  
 J. FOUR-LENGTH OF 2-CONDUCTOR NO.14 AWG (ALUMINUM  
 K. SHIELDED CABLE FROM THE HANDHOLE TO THE  
 L. CONTROLLER CABINET AT MD 231.

NOTE: WIRING KEY  
 A. ONE-LENGTH OF 12 PAIR COMMUNICATION CABLE SHALL RUN FROM THE CONTROLLER CABINET AT OLD FIELD LANE THROUGH THE HANDHOLES AND CONDUIT TO THE CONTROLLER CABINET AT MD 231.  
 LOOP WIRE NO.14 AWG ENCASED IN FLEXIBLE TUBING THROUGH 1" GAL. CONDUIT TO HANDHOLE.  
 F. TWO-LENGTH OF 2-CONDUCTOR NO.14 AWG (ALUMINUM  
 G. SHIELDED CABLE FROM THE HANDHOLE TO THE CONTROLLER CABINET AT OLD FIELD LANE.

- CONSTRUCTION DETAILS FOR SHEET 1 OF 4**
- A. USE EXISTING STRUCTURE, INSTALL 3" BEND INTO THE POLE BASE.
  - B. USE EXISTING SPAN WIRE TO INSTALL TWO- 2/CONDUCTOR ALUMINUM SHIELDED CABLES.
  - C. REMOVE AND REPLACE EXISTING 4" SIDEWALK.
  - D. USE EXISTING CONTROLLER AND CABINET, INSTALL 4" BEND INTO THE BASE AND ALL NECESSARY EQUIPMENT FOR A SYSTEM OPERATION, HOOK-UP CABLES 'A,B,H,J,K, & L'.
  - E. INSTALL 3" SCHEDULE 80 RIDIG PVC CONDUIT - TRENCHED.
  - F. INSTALL 4" SCHEDULE 80 RIDIG PVC CONDUIT - BORED.
  - G. INSTALL 4" SCHEDULE 80 RIDIG CONDUIT - TRENCHED.
  - H. INSTALL 4" SCHEDULE 80 RIDIG PVC CONDUIT - SLOTTED.
  - J. INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT - DETECTOR SLEEVE.
  - K. INSTALL 1" GALVANIZED CONDUIT FOR DETECTOR SLEEVE.
  - L. INSTALL 6' X6' LOOP DETECTOR FOR SAMPLING.
  - M. INSTALL HANDHOLE.
  - N. USE EXISTING HANDHOLE.
  - O. USE EXISTING CONDUIT.
  - P. USE EXISTING CABINET AND CONTROLLER, PREPARE CONTROLLER FOR SYSTEM OPERATION, HOOK-UP CABLES 'A,F & G'.
  - Q. USE EXISTING POLE.
  - R. USE EXISTING POLE USE SPAN WIRE TO INSTALL TWO-2/CONDUCTOR ALUMINUM SHIELDED CABLES AND ONE- 12 PAIR INTERCONNECT CABLE.

**UTILITY LEGEND**

— G —	GAS MAIN
— W —	WATER MAIN
— S —	SEWER MAIN
— E —	ELECTRIC CABLES
— A —	AERIAL CABLES
— T —	TELEPHONE CABLES

**CE**  
**CENTURY ENGINEERING, INC.**  
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 32 WEST ROAD  
 TOWSON, MARYLAND 21284

REVISIONS	APPROVALS
	<i>[Signature]</i> TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
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	DIRECTOR, TRAFFIC & SAFETY

SHA# CA323A51/B51 TOD#AT566-03

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
 Office of Traffic & Safety  
**TRAFFIC ENGINEERING DESIGN DIVISION**

MD 2-4 INTERCONNECT PROJECT  
 FROM STOAKLEY ROAD TO OLD FIELD LANE

DRAWN BY: RJM/EMM	F.A.P. NO. 4349-X1	TS NO. 4349-X1	SHEET NO. 01 OF 04
CHECKED BY: EMM/TH	S.H.A. NO. AT5665185	T.I.M.S. NO. F839	
SCALE: 1" = 50'	COUNTY: CALVERT	LOG MILE: 04000218.24 TO 18.50	
DATE: 09/15/2004	DIRECTOR, TRAFFIC & SAFETY		