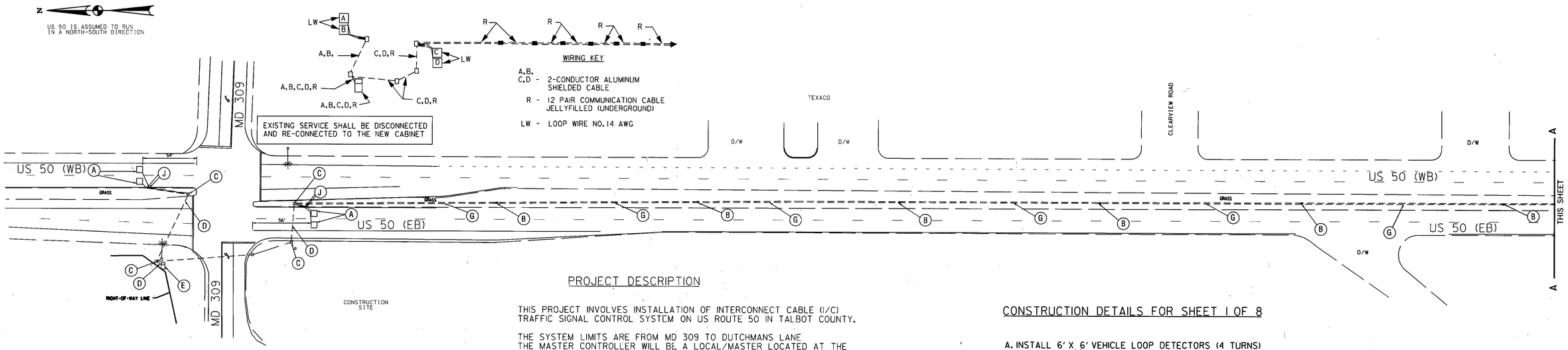
WIRING DIGRAM



WIRING KEY

A,B,
C,D - 2-CONDUCTOR ALUMINUM SHIELDED CABLE

R - 12 PAIR COMMUNICATION CABLE JELLYFILLED (UNDERGROUND)

LW - LOOP WIRE NO. 14 AWG

PROJECT DESCRIPTION

THIS PROJECT INVOLVES INSTALLATION OF INTERCONNECT CABLE (I/C) TRAFFIC SIGNAL CONTROL SYSTEM ON US ROUTE 50 IN TALBOT COUNTY.

THE SYSTEM LIMITS ARE FROM MD 309 TO DUTCHMANS LANE
THE MASTER CONTROLLER WILL BE A LOCAL/MASTER LOCATED AT THE INTERSECTION OF US 50 AND MD 331 (DOVER ROAD).

SAMPLING STATIONS SHALL BE LOCATED ALONG US 50 IN BOTH NORTH AND SOUTH DIRECTION AT THE FOLLOWING INTERSECTIONS:
a.) MD 309
b.) CHAPEL ROAD
c.) MD 331 (DOVER ROAD)
d.) DUTCHMANS LANE

NOTES
THE CONTRACTOR SHALL CONTACT MR. ROBERT SNYDER AT OOTS (410-787-7631) TO ARRANGE FOR A PHONE DROP AT US 50 AND MD 331. SEVENTY-TWO (72) HOURS ADVANCE NOTICE IS REQUIRED.

THE SIGNAL OPERATION FORCES SHALL PREFORM THE INTERNAL WIRING TO THE CONTROLLERS. THE CONTRACTOR SHALL CONTACT MR. EDWARD RODENHIZER AT 410 787-7652, SEVENTY- TWO (72) HOURS ADVANCE NOTICE IS REQUIRED FOR TIMELY COORDINATION.

CONSTRUCTION DETAILS FOR SHEET 1 OF 8

A. INSTALL 6' X 6' VEHICLE LOOP DETECTORS (4 TURNS) ENCASED IN 1/4" FLEXIBLE TUBING.

B. FURNISH AND INSTALL HANDHOLE.

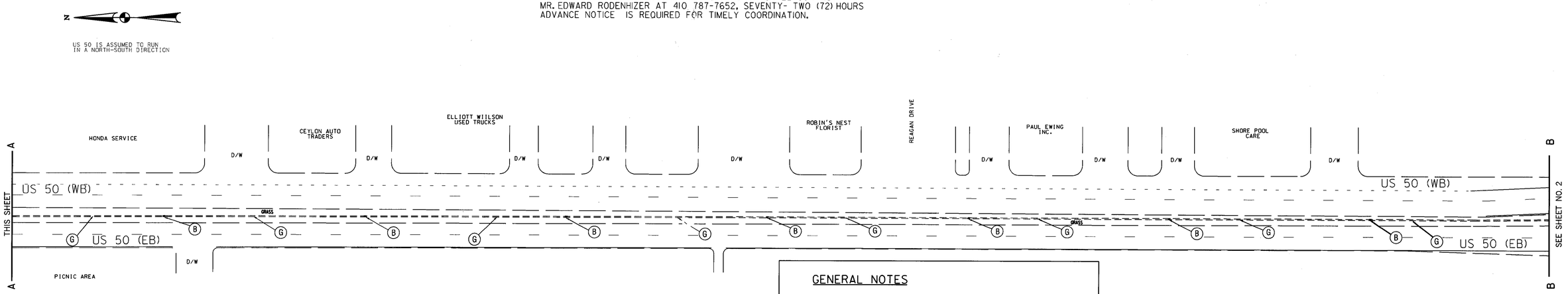
C. USE EXISTING HANDHOLE.

D. USE EXISTING CONDUIT.

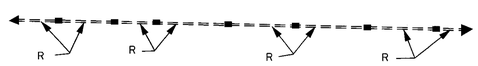
E. REMOVE EXISTING CABINET AND INSTALL NEW NEMA SIZE "6" BASE-MOUNTED CABINET

G. FURNISH AND INSTALL 3" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED.

J. FURNISH AND INSTALL 1" ELECTRICAL CONDUIT - GALVANIZED SLEEVE.



WIRING DIGRAM



WIRING KEY

R - 12 PAIR COMMUNICATION CABLE JELLYFILLED (UNDERGROUND)

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES AND EXISTING GEOMETRICS PRIOR TO ANY WORK.
2. THE CONTRACTOR IS TO NOTIFY MISS UTILITIES PRIOR TO THE INSTALLATION OF NEW CONDUIT.

UTILITY LEGEND

G — G	GAS MAIN
W — W	WATER MAIN
S — S	SEWER MAIN
E — E	ELECTRIC CABLES
A — A	AERIAL CABLES
T — T	TELEPHONE CABLES
BC	BURIED CABLES
SD	STORM DRAIN

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21204

RJM ENGINEERING, INC.
CONSULTING ENGINEERS
COLUMBIA, MARYLAND

REVISIONS

APPROVALS FOR SHEETS I/C-1 TO I/C-8

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION — 11-8-04
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION — 11/22/04
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION — 11-22-04
DIRECTOR, TRAFFIC & SAFETY — 11-22-04

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

US 50 INTERCONNECT PROJECT
FROM MD309 TO DUTCHMANS LANE

CADD#: TANNOA54/C31 TCD#: AT5665-06

DRAWN BY:	DS/EMM	F.A.P. NO.		TS NO. 1355 I/C-1	SHEET NO. 01 OF 08
CHECKED BY:	EMM/TH	S.H.A. NO.	AT5665185		
SCALE:	1" = 50'	COUNTY:	TALBOT	T.I.M.S. NO. G609	
DATE:	10/29/2004	LOG MILE:	20005008.72 TO 12.38		

o:*TRANSDWG*22171*TASK 57*G609 ICP01 US50.dgn 11/1/2004