PROJECT CONTRACTS

CONTACT PERSONS FOR DISTRICT 2 ARE AS FOLLOWS:

MR. ROBERT KIEL
ASSISTANT DISTRICT ENGINEER
TRAFFIC 1-410-810-3240

MR. GEORGE FISH
ASSISTANT DISTRICT ENGINEER
CONSTRUCTION 1-410-778-3061

MR. TERRY O. WRIGHT
ASSISTANT DISTRICT ENGINEER
MAINTENANCE 1-410-810-3250

MR. BARRY CLOTHIER
ASSISTANT DISTRICT ENGINEER
UTILITY 1-410-810-3275

CONTACT PERSONS FOR THE OFFICE OF TRAFFIC AND SAFETY ARE AS FOLLOWS:

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATION DIVISION
410-787-7631

MR. EDWARD RODENHIZER
TEAM LEADER - SIGNAL OPERATION
410-787-7652

MR. MICKEY RUCKER
ENGINEERING TEAM
TRAFFIC ENGINEERING DESIGN DIVISION
410-787-4033

CONSTRUCTION DETAILS FOR SHEET 8 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.

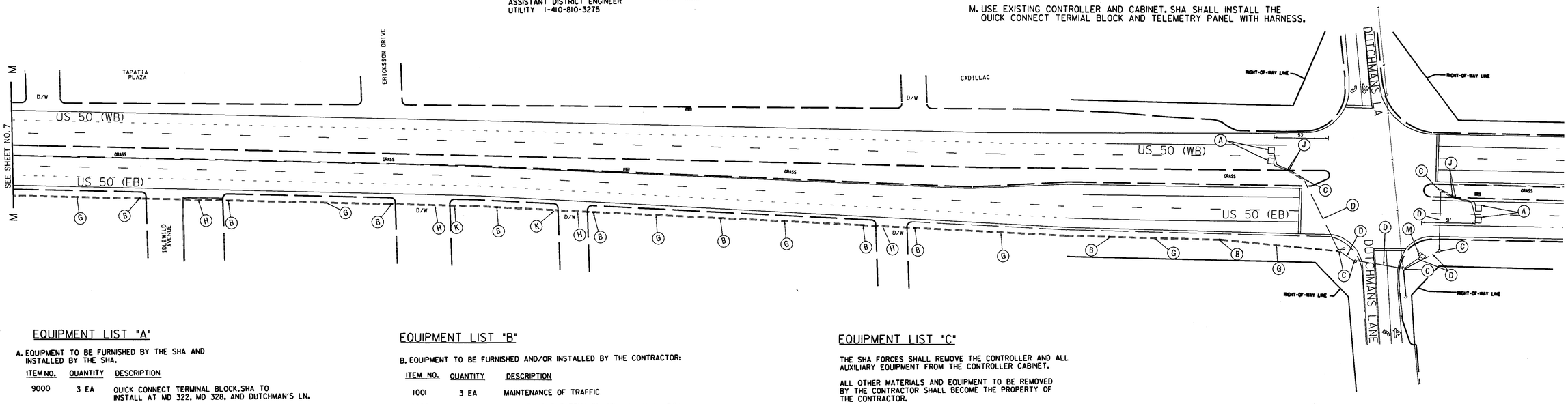
D. USE EXISTING CONDUIT.

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

H. FURNISH AND INSTALL 4" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED.

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

M. USE EXISTING CONTROLLER AND CABINET. SHA SHALL INSTALL THE QUICK CONNECT TERMIAL BLOCK AND TELEMETRY PANEL WITH HARNESS.



EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE SHA.

ITEM NO.	QUANTITY	DESCRIPTION
9000	3 EA	QUICK CONNECT TERMINAL BLOCK, SHA TO INSTALL AT MD 322, MD 328, AND DUTCHMAN'S LN.
9000	3 EA	TELEMELTRY INTERFACE PANAL WITH HARNESS, SHA TO INSTALL AT MD 322, MD328, AND DUTCHMAN'S LN.
9044	2 EA	CABINET SIZE '6' (SYSTEM CAB), TO BE INSTALLED AT MD 309 AND CHAPEL RD. (BASE MOUNTED)
9042	2 EA	CONTROLLER ASC II WITH TELEMETRY, SHA INSTALL IN NEW CABINETS PRIOR TO THE CONTRACTOR PICK-UP.
9045	1 EA	MASTER ASC 2M CONTROLLER WITH TELEMETRY. SHA TO INSTALL AT MD 331.

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR:

ITEM NO.	QUANTITY	DESCRIPTION
1001	3 EA	MAINTENANCE OF TRAFFIC
8006	1 EA	3" SCHD 80 PVC BEND IN EXISTING FOUNDATION
8019	1 EA	REMOVAL AND DISPOSAL OF MATERIAL AND EQUIPMENT
8031	30 LF	NO.6 AWG STRANDED BARE COPPER GROUND WIRE
8033	340 LF	1" ELECTRICAL CONDUIT- GALVANIZED SLEEVE.
8038	2260 LF	4" SCHD 80 RIGID PVC CONDUIT - BORED
8040	14000 LF	3" SCHD 80 RIGID PVC CONDUIT - TRENCHED
8041	120 LF	4" SCHD 80 RIGID PVC CONDUIT - TRENCHED
8045	24 LF	1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8054	91 EA	ELECTRICAL HANDHOLE
8070	20100 LF	12 PAIR COMMUNICATION CABLE JELLYFILLED (UNDERGROUND)
8075	1 EA	GROUND ROD 3/4" DIA X 10' LENGTH
8082	2500 LF	ELECTRICAL CABLE 2-CONDUCTOR ALUMINUM SHIELDED
8085	1650 LF	ELECTRICAL CABLE 5-CONDUCTOR NO. 14 AWG
8088	2935 LF	LOOP WIRE ENCASED IN FLEXIBLE TUBING NO. 14 AWG
8089	680 LF	SAWCUT FOR SIGNAL LOOP DETECTOR
NEG	1 EA	LED "RED SIGNAL AHEAD" SIGN WITH POLE-MOUNTED CABINET

EQUIPMENT LIST "C"

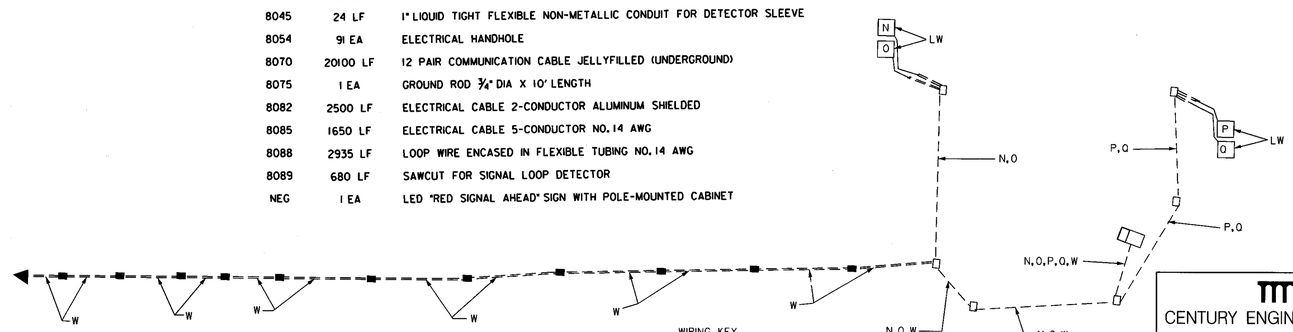
THE SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET.

ALL OTHER MATERIALS AND EQUIPMENT TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

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

WIRING DIAGRAM



WIRING KEY

N,O,P,Q - 2 CONDUCTOR ALUMINUM SHIELDED

W - 12 PAIR COMMUNICATION CABLE JELLYFILLED (UNDERGROUND)

UTILITY LEGEND

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

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

US 50 INTERCONNECT PROJECT
FROM MD309 TO DUTCHMANS LANE

CHARLES TAYNOREY 2/2/01 TOD24: AT5010-010

DRAWN BY: DS/EMM	F.A.P. NO.		TS NO. 1355 I/C-8	SHEET NO. 08 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 ICP08 US50.dgn 11/1/2004