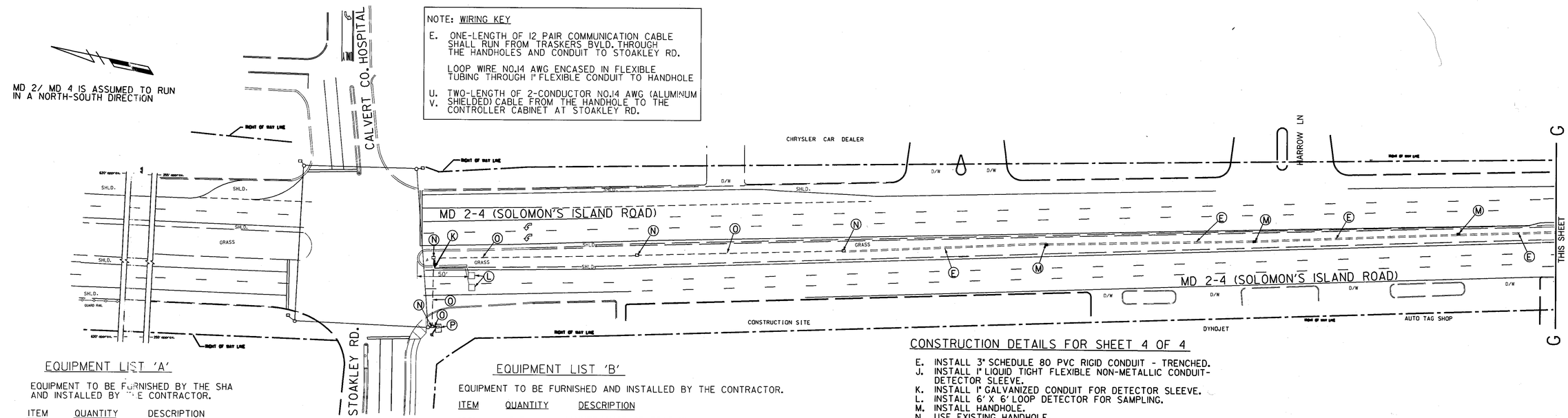
NOTE: WIRING KEY

E. ONE-LENGTH OF 12 PAIR COMMUNICATION CABLE SHALL RUN FROM TRASKERS BVLD. THROUGH THE HANDHOLES AND CONDUIT TO STOAKLEY RD.

LOOP WIRE NO.14 AWG ENCASED IN FLEXIBLE TUBING THROUGH 1" FLEXIBLE CONDUIT TO HANDHOLE

U. V. TWO-LENGTH OF 2-CONDUCTOR NO.14 AWG (ALUMINUM SHIELDED) CABLE FROM THE HANDHOLE TO THE CONTROLLER CABINET AT STOAKLEY RD.



EQUIPMENT LIST 'A'

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

ITEM	QUANTITY	DESCRIPTION
9016	1 EA	FOUR-CHANNEL DETECTOR AMPLIFIER
9041	1 EA	MASTER WITH TELEMETRY AND CONTROLLER

EQUIPMENT TO BE INSTALLED INTO THE EXISTING CABINET AT MD 2/ MD 4 AND MD 402

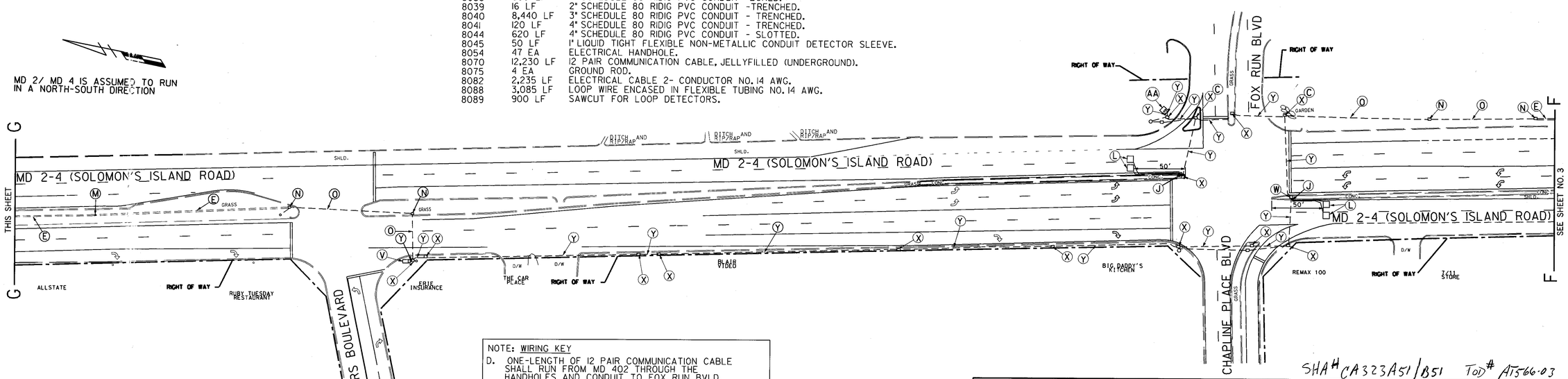
EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM	QUANTITY	DESCRIPTION
1001	3 EA	MAINTENANCE OF TRAFFIC
2001	2.5 CY	CLASS 2 EXCAVATION
2002	1 CY	TEST PIT EXCAVATION
6004	180 SF	4" SIDEWALK
8001	2 CY	CONCRETE FOUNDATION
8006	3 EA	CONDUIT BEND IN EXISTING FOUNDATION
8019	1 EA	REMOVAL AND DISPOSAL OF MATERIALS AND EQUIPMENT.
8031	211 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE.
8032	37 LF	1" ELECTRICAL CONDUIT - GALVANIZED RISER.
8033	130 LF	1" ELECTRICAL CONDUIT- GALVANIZED SLEEVE.
8035	1 EA	3" WEATHER HEAD.
8038	680 LF	4" SCHEDULE 80 RIDIG PVC CONDUIT- BORED.
8039	16 LF	2" SCHEDULE 80 RIDIG PVC CONDUIT -TRENCHED.
8040	8,440 LF	3" SCHEDULE 80 RIDIG PVC CONDUIT - TRENCHED.
8041	120 LF	4" SCHEDULE 80 RIDIG PVC CONDUIT - TRENCHED.
8044	620 LF	4" SCHEDULE 80 RIDIG PVC CONDUIT - SLOTTED.
8045	50 LF	1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT DETECTOR SLEEVE.
8054	47 EA	ELECTRICAL HANDHOLE.
8070	12,230 LF	12 PAIR COMMUNICATION CABLE, JELLYFILLED (UNDERGROUND).
8075	4 EA	GROUND ROD.
8082	2,235 LF	ELECTRICAL CABLE 2- CONDUCTOR NO.14 AWG.
8088	3,085 LF	LOOP WIRE ENCASED IN FLEXIBLE TUBING NO.14 AWG.
8089	900 LF	SAWCUT FOR LOOP DETECTORS.

CONSTRUCTION DETAILS FOR SHEET 4 OF 4

E. INSTALL 3" SCHEDULE 80 PVC RIGID CONDUIT - TRENCHED.
J. INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT-DETECTOR SLEEVE.
K. INSTALL 1" GALVANIZED CONDUIT FOR DETECTOR SLEEVE.
L. INSTALL 6' X 6' 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 'D,U,& V'.
V. USE EXISTING CABLE AND CONTROLLER, WIRE COMMUNICATION CABLE FOR SYSTEM AND HOOK -UP CABLE 'D'
W. USE EXISTING CAINET AND CONTROLLER, WIRE CUMMUNICATION CABLE FOR SYSTEM AND HOOK -UP CABLES 'C,Q,R,S,T'.
X. USE EXISTING COMMUNICATION CABLE WITHIN EXISTING HANDHOLE.
Y. USE EXISTING COMMUNICATION CABLE WITHIN EXISTING CONDUIT.



NOTE: WIRING KEY

D. ONE-LENGTH OF 12 PAIR COMMUNICATION CABLE SHALL RUN FROM MD 402 THROUGH THE HANDHOLES AND CONDUIT TO FOX RUN BVLD.

EXISTING COMMUNICATION CABLE SHALL BE UTILIZIED FROM FOX RUN BVLD. TO TRASKERS BVLD.

LOOP WIRE NO.14 AWG ENCASED IN FLEXIBLE TUBING THROUGH 1" FLEXIBLE CONDUIT TO HANDHOLE

Q. R. S. T. FOUR-LENGTH OF 2-CONDUCTOR NO.14 AWG (ALUMINUM SHIELDED) CABLE FROM THE HANDHOLE TO THE CONTROLLER CABINET AT FOX RUN BVLD.

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

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

REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	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.		TS NO. 4349-X4	SHEET NO. 04 OF 04
CHECKED BY: EMM/TH	S.H.A. NO.	AT5665185		
SCALE: 1" = 50'	COUNTY:	CALVERT	T.I.M.S. NO. F839	
DATE: 09/15/2004	LOG MILE:	04000219.76 to 20.20		

O:\TRANSDWG\22171\task 40\RJM081204\F839 I-C 04.DGN 9/15/2004