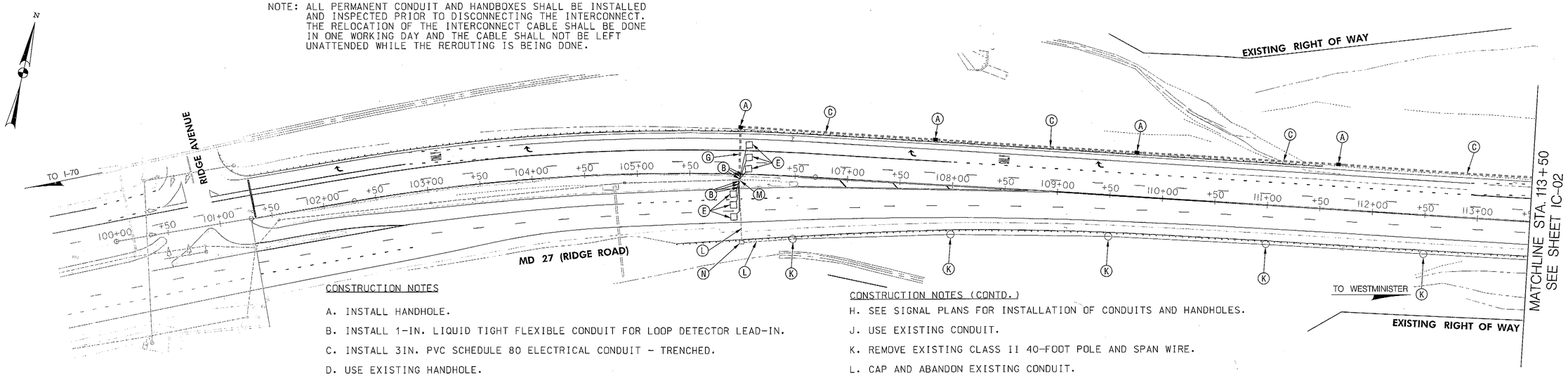
NOTE: ALL PERMANENT CONDUIT AND HANDBOXES SHALL BE INSTALLED AND INSPECTED PRIOR TO DISCONNECTING THE INTERCONNECT. THE RELOCATION OF THE INTERCONNECT CABLE SHALL BE DONE IN ONE WORKING DAY AND THE CABLE SHALL NOT BE LEFT UNATTENDED WHILE THE REROUTING IS BEING DONE.



INTERCONNECT PLAN

CONSTRUCTION NOTES

A. INSTALL HANDHOLE.

B. INSTALL 1-IN. LIQUID TIGHT FLEXIBLE CONDUIT FOR LOOP DETECTOR LEAD-IN.

C. INSTALL 3IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

D. USE EXISTING HANDHOLE.

E. INSTALL 6 FT. X 6 FT.VEHICLE LOOP DETECTOR (4-TURNS), CENTERED IN TRAVEL LANE.

F. USE EXISTING CABINET/CONTROLLER.

G. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.

CONSTRUCTION NOTES (CONTD.)

H. SEE SIGNAL PLANS FOR INSTALLATION OF CONDUITS AND HANDHOLES.

J. USE EXISTING CONDUIT.

K. REMOVE EXISTING CLASS II 40-FOOT POLE AND SPAN WIRE.

L. CAP AND ABANDON EXISTING CONDUIT.

M. USE EXISTING HANDHOLE AND PULL BACK REROUTE THE INTERCONNECT CABLE INTO THE NEW CONDUIT SYSTEM.

N. REMOVE EXISTING HANDHOLE AND BACKFILL 12 INCHES BELOW GRADE.

PROJECT DESCRIPTION

I. GENERAL

TEMPORARY INTERCONNECT CABLE WILL BE REROUTED THROUGH THE NEW CONDUIT SYSTEM THAT WILL BE INSTALLED ALONG SOUTHBOUND SIDE OF MD 27 BETWEEN TWIN ARCH/PARK AVENUE AND RIDGE AVENUE INTERSECTIONS AFTER THE COMPLETION OF MOT PHASE I.

SAMPLING LOOP DETECTORS SHALL BE INSTALLED NORTH OF THE INTERSECTION OF RIDGE AVENUE. SAW CUT FOR SAMPLING LOOPS SHOULD BE DONE PRIOR TO THE INSTALLATION OF FINAL SURFACE COURSE.

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

ITEM CODE NO.	DESCRIPTION	UNITS	QUANTITY
862102	SAWCUT FOR SIGNAL LOOP DETECTOR	LF	275
805160	1-IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT - SLEEVE	LF	50
805135	3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED	LF	2700
805150	3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - SLOTTED	LF	175
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	15
862101	LOOP DETECTOR WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)	LF	720
861104	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)	LF	1500
800000	REMOVE EXISTING EQUIPMENT	LS	1
800000	PULL BACK AND REROUTE EXISTING INTERCONNECT CABLE	LF	4500

CONTACT LIST

THE CONTACT PERSONS FOR DISTRICT 7 ARE AS FOLLOWS:

MR. ERIC ECKHARDT
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
301-624-8140/8141

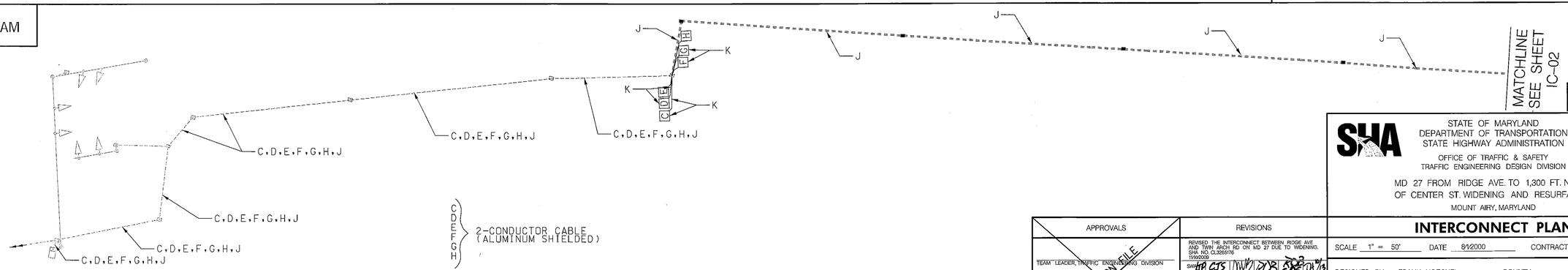
MR. JOHN CONCANNON
ASSISTANT DISTRICT ENGINEER - TRAFFIC
301-624-8140

MS. ANDREA BEND
ASSISTANT DISTRICT ENGINEER - UTILITY
301-624-8115/8116

MR. RAYMOND F. JOHNSON
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
301-624-8105/8106

MR. RICHARD L. DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION
410-787-7630

WIRING DIAGRAM



C, D, E, F, G, H } 2-CONDUCTOR CABLE (ALUMINUM SHIELDED)

J} EXISTING 12-PAIR VOICE GRADE TELEMETRY INTERCONNECT CABLE (NO. 19 AWG)

K} LOOP DETECTOR WIRE (NO. 14 A.W.G.) IN FLEXIBLE TUBING

IC - 01

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 27 FROM RIDGE AVE. TO 1,300 FT. NORTH OF CENTER ST. WIDENING AND RESURFACING
MOUNT AIRY, MARYLAND

SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 160
BALTIMORE, MD 21227
(410) 737-6564
WWW.SABRA-WANG.COM

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DIVISION
ASST. CHIEF TRAFFIC ENGINEERING DIVISION
CHIEF TRAFFIC ENGINEERING DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

REVISIONS

REVISED THE INTERCONNECT BETWEEN RIDGE AVE AND TWIN ARCH RD ON MD 27 DUE TO WIDENING. SHA NO. CL3205176 11/19/2009

INTERCONNECT PLAN

SCALE 1" = 50' DATE 8/12/2000 CONTRACT NO. CL847A53

DESIGNED BY FRANK HOECKEL
DRAWN BY
CHECKED BY KIM WINKLER
FAP NO. SEE TITLE SHEET

COUNTY CARROLL
LOGMILE 0600270.00-0600270.17
TIMS NO. I-954
TOD NO.

TS NO. 2179-IC3 | DRAWING pIC OF P001 | SHEET NO. 84 OF 87

PLOTTED: Thursday, September 24, 2009 AT 09:49 AM
FILE: R:\2006\25 SHA BCS 2005-17 SWA_D-DAVIS JV District 7\Task 02\DWG\Interconnect\pIC-P001_MD27.dgn

BY: JPN, ARJ, GU