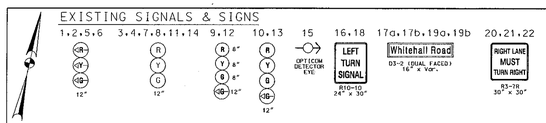
EXISTING SIGNALS & SIGNS

1.2.5.6 3.4.7.8.11.14 9.12 10.13 15 16.18 17a.17b.19a.19b 20.21.22



US 40 RUNS IN A EAST-WEST DIRECTION.

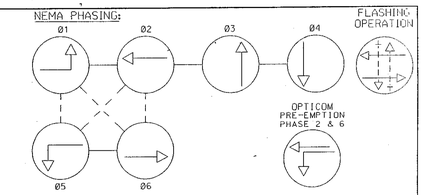
WIRING DIAGRAM

A = EXISTING CABLE BEING PULLED BACK & PLACED IN PROPOSED CONDUIT AND PROPOSED HANDHOLE BACK TO THE EXISTING CONTROLLER

B = EXISTING CABLE BEING PULLED BACK TO THE SIGNAL POLE & PLACED BACK INTO CONDUIT AND THE PROPOSED HANDHOLE BACK TO THE EXISTING CONTROLLER

⏚ = GROUND ROD

NEMA PHASING:



NEMA NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PROJECT CONTACTS

THE PROJECT CONTACTS ARE AS FOLLOWS:

MR. ROBERT KIEL
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 810-3240

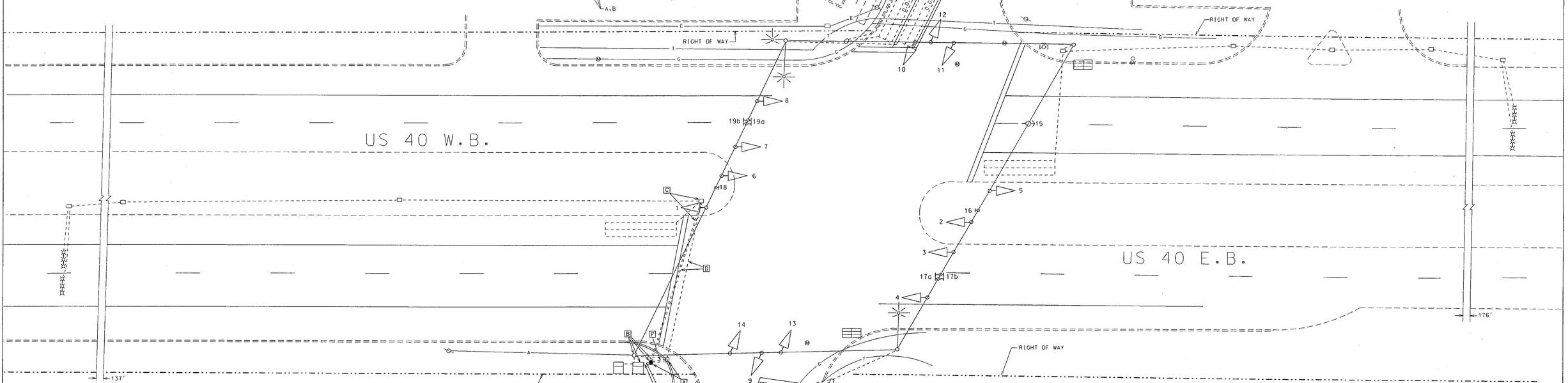
MR. TERRY O. WRIGHT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 810-3250

MR. BARRY CLOTHIER
ASSISTANT DISTRICT ENGINEER - UTILITIES
PHONE: (410) 810-3275

MR. RICHARD DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7631

MR. EDWARD RODENHIZER
CHIEF, SIGNAL OPERATIONS SECTION
PHONE: (410) 787-7652



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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2001	1 C.Y.	TEST PIT EXCAVATION
8001	1 EACH	REMOVE AND DISPOSE MATERIAL AND EQUIPMENT PER ASSIGNMENT
8002	70 L.F.	F & I 4" SCHEDULE 80 RIGID PVC CONDUIT - BORED
8003	5 L.F.	F & I 4" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8004	1 EACH	F & ELECTRICAL HANDHOLE
8005	1 EACH	F & I GROUND ROD - ¾" x 10'
8006	LS	PULL BACK EXISTING CABLES FROM THE CONTROLLER TO THE EXISTING SIGNAL POLE OR THE EXISTING HANDHOLE AND REFEED THESE EXISTING CABLES BACK TO THE CONTROLLER

PHASE CHART

THERE IS NO CHANGE IN THE PHASE CHART

C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
		ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.

CONSTRUCTION DETAILS

A. REMOVE A PORTION OF THE EXISTING CONDUIT TO INSTALL THE PROPOSED HANDHOLE. INSTALL THE PROPOSED HANDHOLE WITH A GROUND ROD WITHIN THE OPENING OF THE CONDUIT.
B. PULL BACK THE EXISTING CABLE FROM THE CONTROLLER CABINET TO THE EXISTING SIGNAL POLE. REMOVE A PORTION OF THE CONDUIT, AND INSTALL A 4" PVC SCHEDULE 80 CONDUIT (TRENCHED) FROM HERE TO THE PROPOSED HANDHOLE. REINSTALL THE EXISTING CABLE THROUGH THE EXISTING AND PROPOSED CONDUITS, AND THE PROPOSED HANDHOLE TO THE CONTROLLER CABINET.
C. PULL BACK THE EXISTING CABLES TO THE EXISTING HANDHOLE. REMOVE THE EXISTING HANDHOLE. ATTACH THE PROPOSED CONDUITS UNTO THE EXISTING CONDUITS TO THE PROPOSED HANDHOLE. REINSTALL THE EXISTING CABLES FROM THE EXISTING SIGNAL POLE, AND THE EXISTING HANDHOLE TO THE PROPOSED HANDHOLE TO THE CONTROLLER CABINET.
D. INSTALL 4" SCHEDULE 80 PVC CONDUIT - BORED. CAP AND ABANDON THE EXISTING CONDUIT.
E. USE PORTIONS OF THE TWO (2) EXISTING 4" CONDUITS.
F. REMOVE THIS PORTION OF THE TWO EXISTING CONDUITS FROM THE PROPOSED HANDHOLE TO THE EXISTING HANDHOLE.

NOTES TO THE CONTRACTOR

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
2. ALL UNUSED CABLES SHALL BE REMOVED FROM THE EXISTING CONDUITS, AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF THESE EXISTING CABLES.
3. NOTIFY MR. ED RODENHIZER (410-787-7650) OF THE SHA SIGNAL SHOP AND MR. JAY THAKER (410-450-1272) OF THE INSPECTION DIVISION CONCERNING THE REMOVAL AND REINSTALLING OF THE EXISTING CABLES BACK TO AND INTO THE CONTROLLER.

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
D — D	STORM DRAIN

REVISIONS

(D). 10/2000 - INSTALL OPTICOM FOR W/B EMERGENCY VECHICLES (TIMS #E063)
SHA NO.
C.J.L. | M.A.R. | D.A.J. | S.R.K. | J.K.

(C). 07-11-1995 - PROVIDE SIDE STREET SPLIT ON WHITEHALL RD.
SHA NO.
K.L.W. | D.J.D. | D.A.J. | S.R.K.

(B). 08-22-1994 - CHANGE E/P LT'S TO EXCLUSIVE LT'S ON US 40
SHA NO.
J.M.R.

(E). 06/2003 - INSTALL NEW HANDHOLE & CONDUIT DUE TO NEW GEOMETRICS BY DISTRICT 2 PERSONNEL IN S/W CORNER
SHA NO. CE4435176

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL PLAN ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

US 40 and Whitehall Road

ELKTON, MARYLAND

DRAWN BY: WJR	F.A.P. NO.	T.S. NO. TS-2259 E	SHEET NO.
CHECKED BY: SAR	S.H.A. NO. CE-696-501-285		
SCALE: 1" = 20'	COUNTY CECIL	T.I.M.S. NO. PENDING	1 OF 1
DATE:	LOG MILE Ø7004015.44		