DRILL HOLES

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DRILL HOLES

EXISTING SIGNALS & SIGNS

1 2 3-11 12-19 20 21a,22b 21b,22a

Hubbard RD / Barlowe RD — 03-2 32" x Var.

Barlowe RD / Hubbard RD — 03-2 32" x Var.

OPTICOM DETECTOR ETC

PROPOSED DETECTION

a-c VIDEO DETECTION CAMERA

PROPOSED SIGN REMOVAL

25,26 LEFT TURN YIELD ON GREEN R10-12 36" x 42"

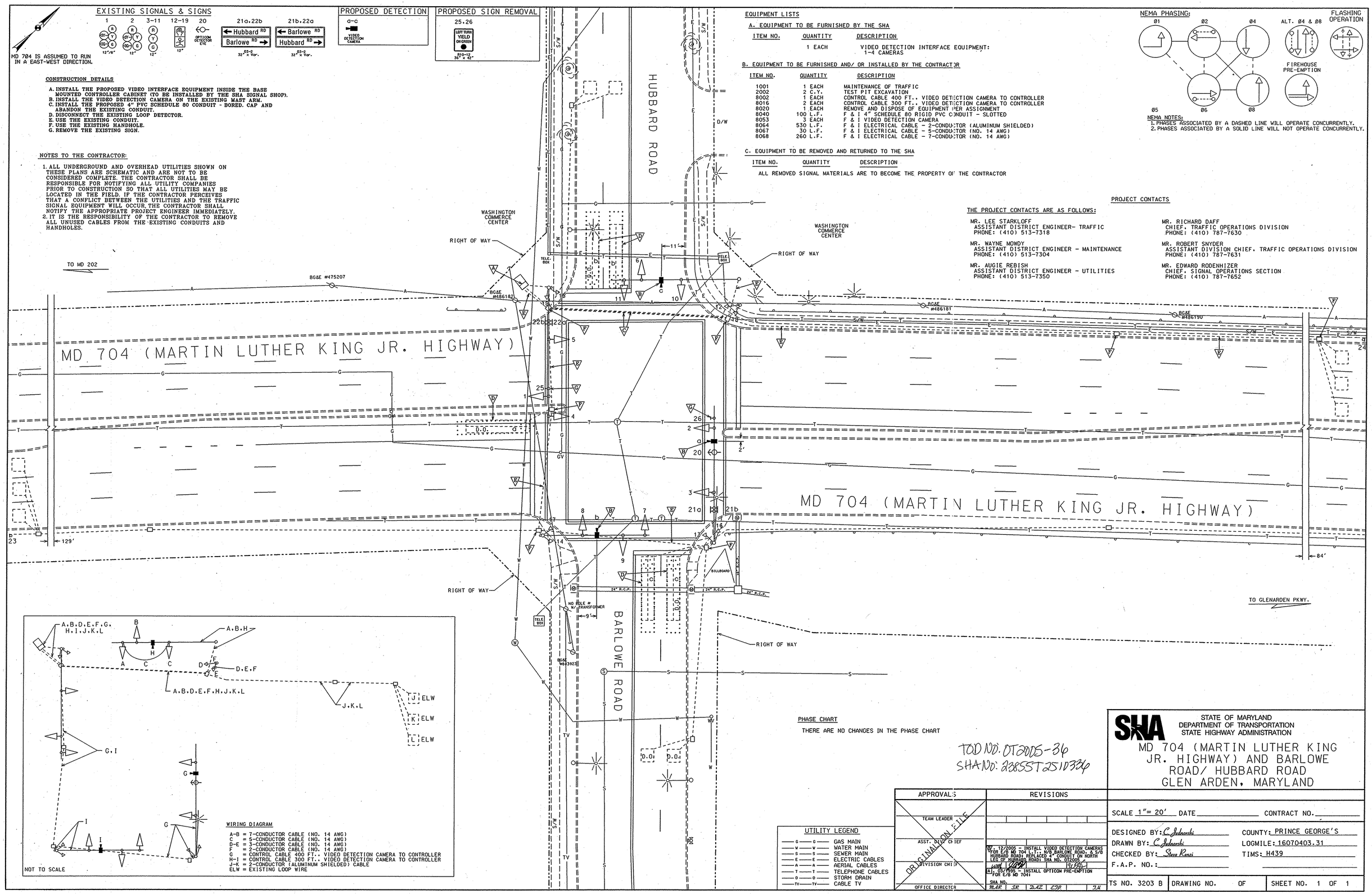
MD 704 IS ASSUMED TO RUN IN A EAST-WEST DIRECTION.

CONSTRUCTION DETAILS

A. INSTALL THE PROPOSED VIDEO INTERFACE EQUIPMENT INSIDE THE BASE MOUNTED CONTROLLER CABINET (TO BE INSTALLED BY THE SHA SIGNAL SHOP).
B. INSTALL THE VIDEO DETECTION CAMERA ON THE EXISTING MAST ARM.
C. INSTALL THE PROPOSED 4" PVC SCHEDULE 80 CONDUIT - BORED. CAP AND ABANDON THE EXISTING CONDUIT.
D. DISCONNECT THE EXISTING LOOP DETECTOR.
E. USE THE EXISTING CONDUIT.
F. USE THE EXISTING HANDHOLE.
G. REMOVE THE EXISTING SIGN.

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. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL UNUSED CABLES FROM THE EXISTING CONDUITS AND HANDHOLES.



EQUIPMENT LISTS

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
	1 EACH	VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2002	2 C.Y.	TEST PIT EXCAVATION
8002	1 EACH	CONTROL CABLE 400 FT.. VIDEO DETECTION CAMERA TO CONTROLLER
8016	2 EACH	CONTROL CABLE 300 FT.. VIDEO DETECTION CAMERA TO CONTROLLER
8020	1 EACH	REMOVE AND DISPOSE OF EQUIPMENT PER ASSIGNMENT
8040	100 L.F.	F & I 4" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
8053	3 EACH	F & I VIDEO DETECTION CAMERA
8064	530 L.F.	F & I ELECTRICAL CABLE - 2-CONDUCTOR (ALUMINUM SHIELDED)
8067	30 L.F.	F & I ELECTRICAL CABLE - 5-CONDUCTOR (NO. 14 AWG)
8068	260 L.F.	F & I ELECTRICAL CABLE - 7-CONDUCTOR (NO. 14 AWG)

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

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. LEE STARKLOFF
ASSISTANT DISTRICT ENGINEER- TRAFFIC
PHONE: (410) 513-7318

MR. WAYNE MOWDY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 513-7304

MR. AUGIE REBISH
ASSISTANT DISTRICT ENGINEER - UTILITIES
PHONE: (410) 513-7350

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

WIRING DIAGRAM

A-B = 7-CONDUCTOR CABLE (NO. 14 AWG)
C = 5-CONDUCTOR CABLE (NO. 14 AWG)
D-E = 3-CONDUCTOR CABLE (NO. 14 AWG)
F = 2-CONDUCTOR CABLE (NO. 14 AWG)
G = CONTROL CABLE 400 FT.. VIDEO DETECTION CAMERA TO CONTROLLER
H-I = CONTROL CABLE 300 FT.. VIDEO DETECTION CAMERA TO CONTROLLER
J-K = 2-CONDUCTOR (ALUMINUM SHIELDED) CABLE
ELW = EXISTING LOOP WIRE

PHASE CHART

THERE ARE NO CHANGES IN THE PHASE CHART

TOD NO. OT2005-36
SHA NO: 2285ST251D336

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
TV — TV	CABLE TV

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

07: 12/2005 - INSTALL VIDEO DETECTION CAMERAS FOR E/B MD 704 L.T.L N/B BARLOWE ROAD, & S/B HUBBARD ROAD; REPLACED 4" CONDUIT ON NORTH LEG OF HUBBARD ROAD; SHA NO. OT2005

01: 03/1995 - INSTALL OPTICOM PRE-EMPTION FOR E/B MD 704;

SHA NO. MAR | SR | DAF | CJP | JH

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 704 (MARTIN LUTHER KING JR. HIGHWAY) AND BARLOWE ROAD/ HUBBARD ROAD
GLEN ARDEN, MARYLAND

SCALE 1"= 20' DATE CONTRACT NO.

DESIGNED BY: C. Jedrowski
DRAWN BY: C. Jedrowski
CHECKED BY: Steve Renzi
F.A.P. NO.:

COUNTY: PRINCE GEORGE'S
LOGMILE: 16070403.31
TIMS: H439

TS NO. 3203 B | DRAWING NO. OF | SHEET NO. 1 OF 1