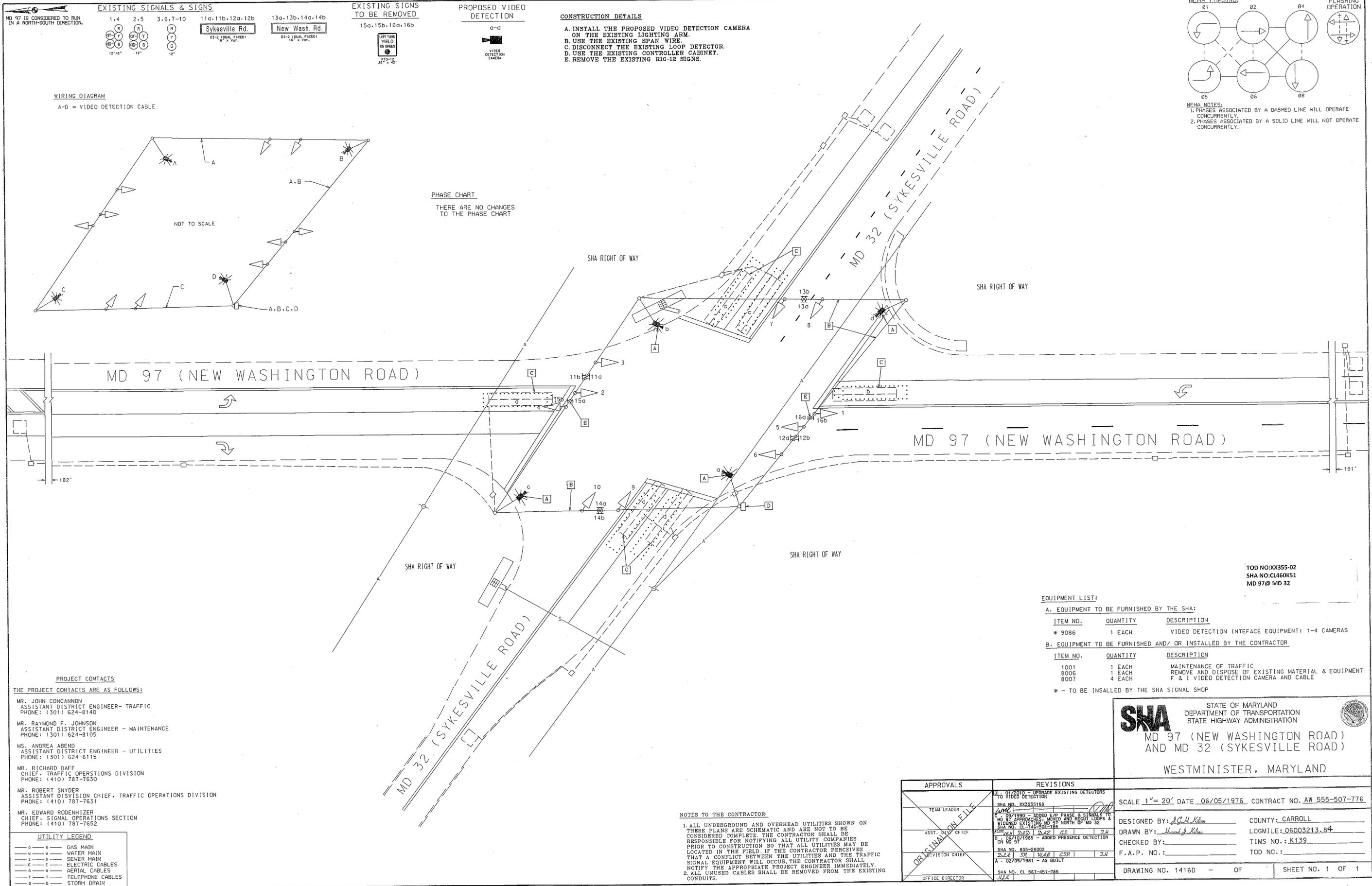


DRILL HOLES

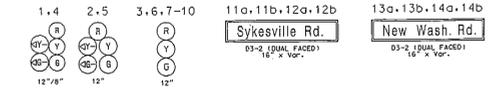
DRILL HOLES

DRILL HOLES



MD 97 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.

EXISTING SIGNALS & SIGNS



EXISTING SIGNS TO BE REMOVED

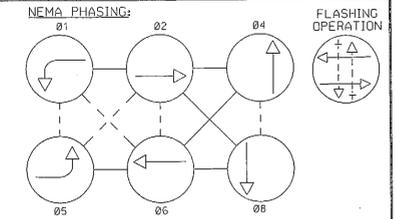


PROPOSED VIDEO DETECTION



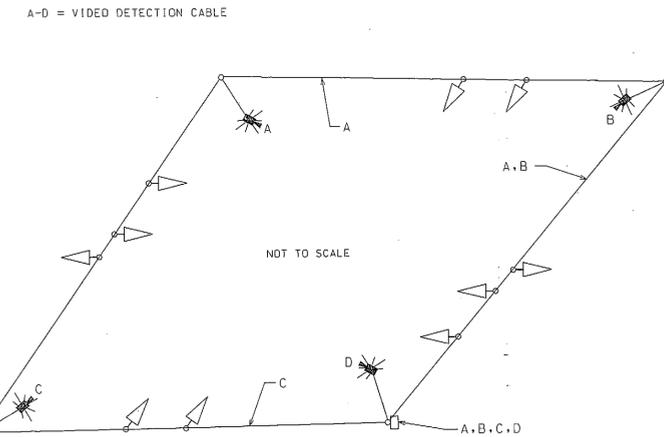
CONSTRUCTION DETAILS

- A. INSTALL THE PROPOSED VIDEO DETECTION CAMERA ON THE EXISTING LIGHTING ARM.
- B. USE THE EXISTING SPAN WIRE.
- C. DISCONNECT THE EXISTING LOOP DETECTOR.
- D. USE THE EXISTING CONTROLLER CABINET.
- E. REMOVE THE EXISTING R10-12 SIGNS.



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

WIRING DIAGRAM



PHASE CHART

THERE ARE NO CHANGES TO THE PHASE CHART

PROJECT CONTACTS

THE PROJECT CONTACTS ARE AS FOLLOWS:

- MR. JOHN CONCANNON
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 624-8140
- MR. RAYMOND F. JOHNSON
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 624-8105
- MS. ANDREA ABEND
ASSISTANT DISTRICT ENGINEER - UTILITIES
PHONE: (301) 624-8115
- 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

UTILITY LEGEND

— G —	GAS MAIN
— W —	WATER MAIN
— S —	SEWER MAIN
— E —	ELECTRIC CABLES
— A —	AERIAL CABLES
— T —	TELEPHONE CABLES
— D —	STORM DRAIN

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.

EQUIPMENT LIST:

A. EQUIPMENT TO BE FURNISHED BY THE SHA:		
ITEM NO.	QUANTITY	DESCRIPTION
* 9086	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
8006	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL & EQUIPMENT
8007	4 EACH	F & I VIDEO DETECTION CAMERA AND CABLE

* - TO BE INSTALLED BY THE SHA SIGNAL SHOP

TOD NO: XX355-02
 SHA NO: CL460K51
 MD 97@ MD 32

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION

MD 97 (NEW WASHINGTON ROAD)
 AND MD 32 (SYKESVILLE ROAD)

WESTMINISTER, MARYLAND

APPROVALS	REVISIONS	SCALE 1"= 20' DATE 06/05/1976 CONTRACT NO. AW 555-507-776																
<table border="0"> <tr><td>TEAM LEADER</td><td>DI - 01/2010 - UPGRADE EXISTING DETECTORS TO VIDEO DETECTION</td></tr> <tr><td>ASST. DIVISION CHIEF</td><td>SHA NO. XX3555168</td></tr> <tr><td>DIVISION CHIEF</td><td>09/1990 - ADDED E/P PHASE & SIGNALS TO MD 97 APPROACHES, MOVED AND RELOCATED EXISTING MD 32 NORTH OF MD 97</td></tr> <tr><td>OFFICE DIRECTOR</td><td>SHA NO. CL 567-451-745</td></tr> </table>	TEAM LEADER	DI - 01/2010 - UPGRADE EXISTING DETECTORS TO VIDEO DETECTION	ASST. DIVISION CHIEF	SHA NO. XX3555168	DIVISION CHIEF	09/1990 - ADDED E/P PHASE & SIGNALS TO MD 97 APPROACHES, MOVED AND RELOCATED EXISTING MD 32 NORTH OF MD 97	OFFICE DIRECTOR	SHA NO. CL 567-451-745	<table border="0"> <tr><td>DESIGNED BY: J.C.H. Kilian</td><td>COUNTY: CARROLL</td></tr> <tr><td>DRAWN BY: Howard J. Kilian</td><td>LOGMILE: 06003213.84</td></tr> <tr><td>CHECKED BY:</td><td>TIMS NO.: K139</td></tr> <tr><td>F.A.P. NO.:</td><td>TOD NO.:</td></tr> </table>	DESIGNED BY: J.C.H. Kilian	COUNTY: CARROLL	DRAWN BY: Howard J. Kilian	LOGMILE: 06003213.84	CHECKED BY:	TIMS NO.: K139	F.A.P. NO.:	TOD NO.:	DRAWING NO. 1416D - OF SHEET NO. 1 OF 1
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