GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL CONTACT SHA TO SCHEDULE RETROFITTING OF THE CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION EQUIPMENT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL VIDEO DETECTION CAMERA CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE SO THAT SHA FORCES CAN MAKE THE FINAL CONNECTIONS.
4. THE INSTALLATION OF PROPOSED VIDEO DETECTION EQUIPMENT SHALL NECESSITATE THE REMOVAL OF EXISTING CABLES ASSOCIATED WITH THE PRESENCE LOOP DETECTORS BEING REPLACED BY VIDEO DETECTION.
5. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
6. ALL UNUSED SIGNAL CABLES SHALL BE REMOVED AND DISPOSED.

F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	SEE TITLE SHEET		

SIGNS

D3-2 VAR.x16"	R3-5L 30"x36"	R10-12 36"x42"
20400 Observation Dr.	ONLY	LEFT TURN YIELD ON GREEN
24,29	25,26	30

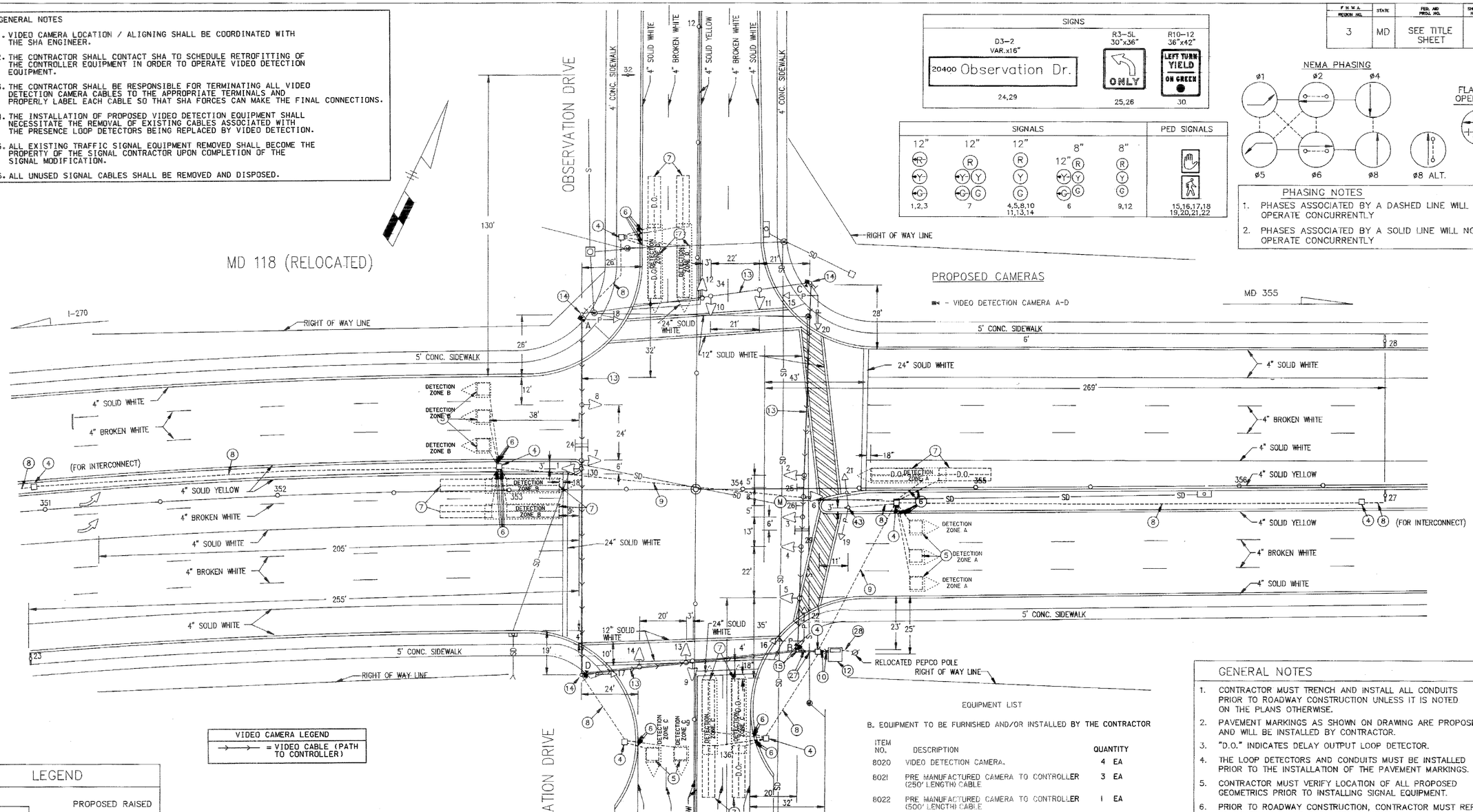
SIGNALS					PED SIGNALS
12"	12"	12"	8"	8"	
R Y G	R Y G	R Y G	R Y G	R Y G	
1,2,3	7	4,5,8,10 11,13,14	6	9,12	15,16,17,18 19,20,21,22

NEMA PHASING

FLASHING OPERATION

PHASING NOTES

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



PROPOSED CAMERAS

- VIDEO DETECTION CAMERA A-D

VIDEO CAMERA LEGEND

= VIDEO CABLE (PATH TO CONTROLLER)

LEGEND

PROPOSED RAISED GRASS MEDIAN

UTILITY LEGEND

- SD — SD — STORM DRAIN
- T — T — TELEPHONE CABLES
- G — G — GAS MAIN
- W — W — WATER MAIN
- S — S — SEWER MAIN

TEMPORARY SIGNS 23,27,28,31,32

ORANGE FLOURESCENT PANEL

ORANGE FLOURESCENT FLAGS

NEW

NOTE: SEE PROPOSAL

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy. N.W.
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

4687C.DGN

EQUIPMENT LIST

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

ITEM NO.	DESCRIPTION	QUANTITY
8020	VIDEO DETECTION CAMERA.	4 EA
8021	PRE MANUFACTURED CAMERA TO CONTROLLER (250' LENGTH) CABLE	3 EA
8022	PRE MANUFACTURED CAMERA TO CONTROLLER (500' LENGTH) CABLE	1 EA

BW-427-802-312
BID NO. MCG 20046

GENERAL NOTES

1. CONTRACTOR MUST TRENCH AND INSTALL ALL CONDUITS PRIOR TO ROADWAY CONSTRUCTION UNLESS IT IS NOTED ON THE PLANS OTHERWISE.
2. PAVEMENT MARKINGS AS SHOWN ON DRAWING ARE PROPOSED AND WILL BE INSTALLED BY CONTRACTOR.
3. "D.O." INDICATES DELAY OUTPUT LOOP DETECTOR.
4. THE LOOP DETECTORS AND CONDUITS MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
5. CONTRACTOR MUST VERIFY LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
6. PRIOR TO ROADWAY CONSTRUCTION, CONTRACTOR MUST REFER TO ROADWAY PLANS FOR INTERCONNECT CONDUITS AND HANDBOXES.

REVISIONS

7/2004 TIMS #: G582
REPLACE LOOP DETECTION WITH VIDEO CAMERAS SHA NO.: MO7171B54

APPROVALS

for Dimitrios A. Zafiris
CHIEF, SIGNAL DESIGN SECTION

ASST. DISTRICT ENGINEER, TRAFFIC

DANIEL CONSULTANTS INC

MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION – OFFICE OF TRAFFIC
TRAFFIC ENGINEERING DIVISION

DRAWN BY: RON E. SANTOS
DES. BY: BAHA H. ELAWAR
CHK. BY: ZIAD A. SABRA

MD 118 (RELOCATED) &
@
OBSERVATION DRIVE
COUNTY MONTGOMERY

SHA#: MO7171B54/B54 TOD#: MO7171-03

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