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

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	DESCRIPTION	QUANTITY
9086	VIDEO DETECTION INTERFACE EQUIPMENT (To be installed by signal shop)	1 EA

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	4 EA

PROPOSED CAMERAS

▶■ - VIDEO DETECTION CAMERA (A-D)

SIGNS

R10-7 24"x30"	R10-6 24"x36"	R10-12 30"x36"	R3-5L 30"x36"	R3-6 30"x36"
DO NOT BLOCK INTERSECTION	STOP HERE ON RED	LEFT TURN YIELD ON GREEN	ONLY	
15	16	17	19	20

SIGNALS

12"/8"	12"	12"
1	2	3,4,5,6,7,8,9

PED SIGNALS

10,11,12,13

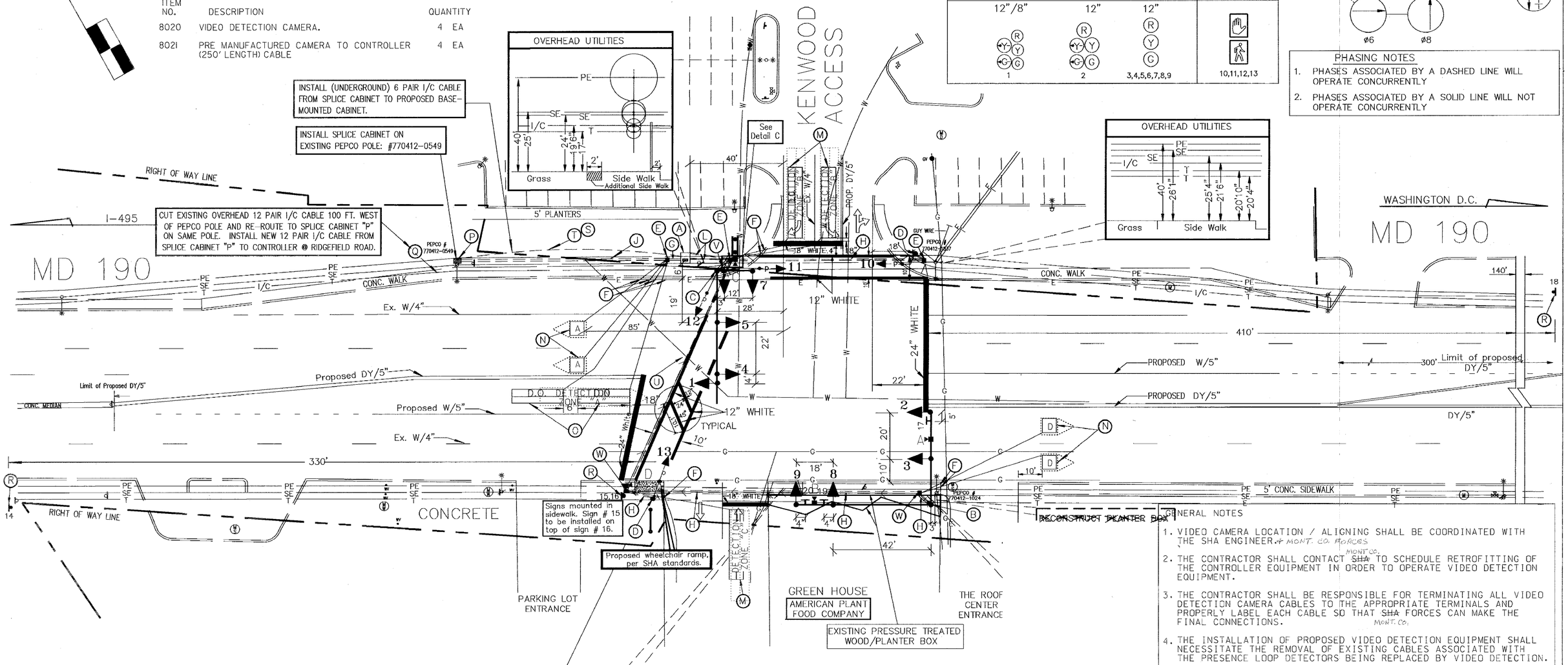
NEMA PHASING

ø1 ø2 ø4 ø6 ø8 ø4 ALT.

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



GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER. & MONT. CO. FORCES
2. THE CONTRACTOR SHALL CONTACT ~~SHA~~ MONT. CO. 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~~ MONT. CO. 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.

LEGEND

UTILITY LEGEND

SD	SD	STORM DRAIN
T	T	TELEPHONE CABLES
G	G	GAS
W	W	WATER
S	S	SEWER
PE	PE	PRIMARY ELECTRIC CABLES
SE	SE	SECONDARY ELECTRIC CABLES
I/C	I/C	INTERCONNECT CABLE

VIDEO CAMERA LEGEND

→→→ = VIDEO CABLE (PATH TO CONTROLLER)

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

4687cg585.DGN

REVISIONS

12/2004	REPLACE LOOP DETECTION WITH VIDEO CAMERAS.	SHA NO. M07175185	G585

APPROVALS

ASST. DIVISION CHIEF TRAFFIC ENGINEERING DESIGN DIVISION 12/6/95
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION 12/7/95
ASST. DISTRICT ENGINEER-TRAFFIC 12/12/95
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL

MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION - OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION LOG MILE # 150190015.09

DRAWN BY: RAVI RAUT
DES. BY: NASSER ABBOUD
CHK. BY: 12/6/95

MD 190 (River Road)
@
KENWOOD Station Access
COUNTY MONTGOMERY

DATE: OCTOBER 1995 F.A.P. NO. —
SCALE: 1"=20' S.H.A. NO. BW905M81

TS/STD NO.: 3556A
SHEET NO. ___ OF ___

TIMS # G585

SHA#: M0717A57/857 TOD#: M0717-06