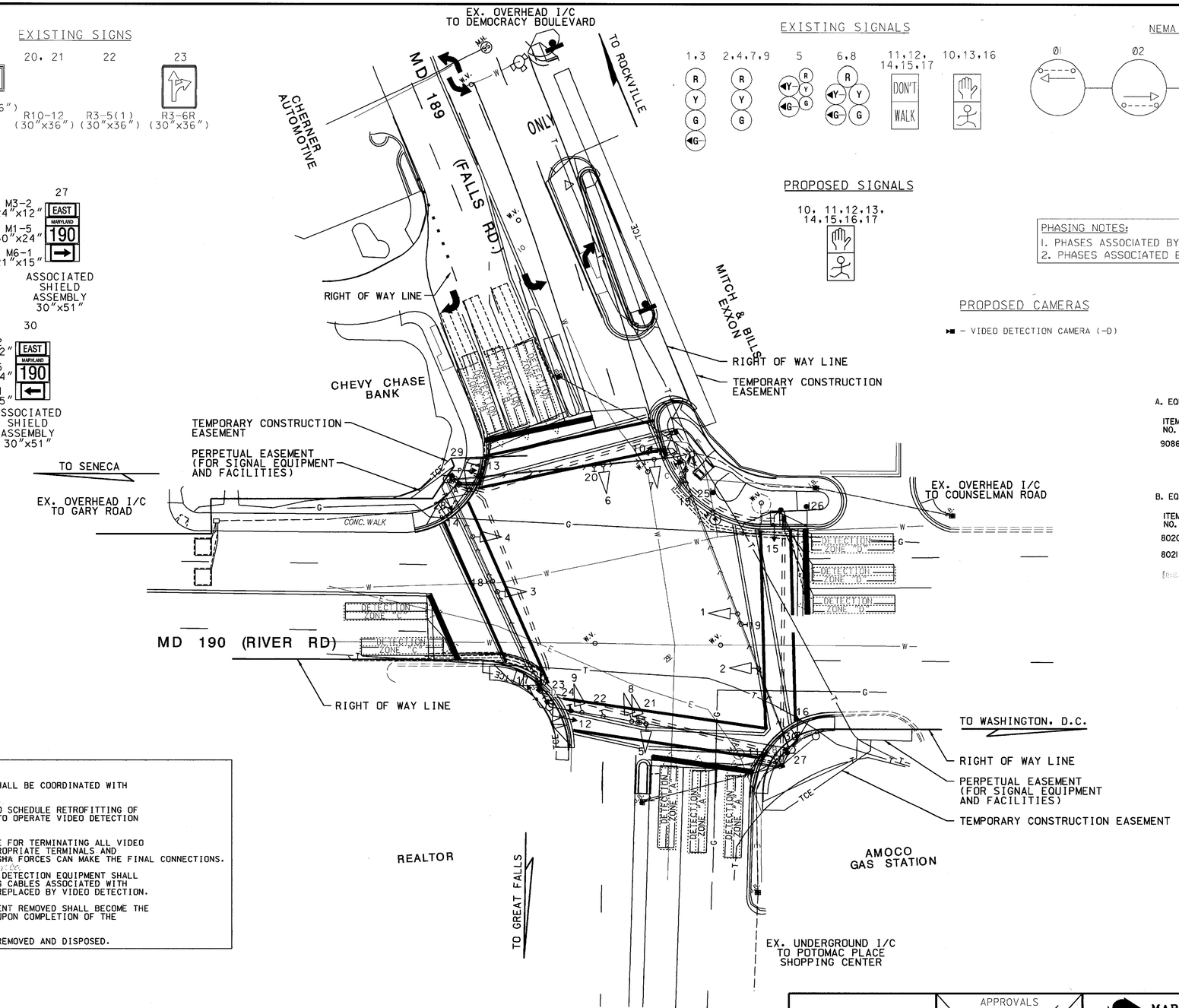
MD 190 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNS

18, 19: Falls Rd — D3-2 (VARIABLE x 16")
20, 21: R10-12 (30"x36")
22: R3-5(1) (30"x36")
23: R3-6R (30"x36")

PROPOSED SIGNS

24: ONLY — R3-5(R) 30"x36"
25: M3-1 24"x12" NORTH; M1-5 30"x24" MARYLAND 189; M6-1 21"x15" — ASSOCIATED SHIELD ASSEMBLY 30"x51"
26: M3-1 24"x12" NORTH; M1-5 30"x24" MARYLAND 189; M6-1 21"x15" — ASSOCIATED SHIELD ASSEMBLY 30"x51"
27: M3-2 24"x12" EAST; M1-5 30"x24" MARYLAND 190; M6-1 21"x15" — ASSOCIATED SHIELD ASSEMBLY 30"x51"
28: M3-4 24"x12" WEST; M1-5 30"x24" MARYLAND 190; M6-1 21"x15" — ASSOCIATED SHIELD ASSEMBLY 30"x51"
29: M3-4 24"x12" WEST; M1-5 30"x24" MARYLAND 190; M6-1 21"x15" — ASSOCIATED SHIELD ASSEMBLY 30"x51"
30: M3-2 24"x12" EAST; M1-5 30"x24" MARYLAND 190; M6-1 21"x15" — ASSOCIATED SHIELD ASSEMBLY 30"x51"



EXISTING SIGNALS

1,3: R Y G G
2,4,7,9: R Y G
5: R Y G Y G
6,8: R Y G Y G
11,12,14,15,17: DON'T WALK
10,13,16

PROPOSED SIGNALS

10, 11, 12, 13, 14, 15, 16, 17

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø4 ALT. Ø7 Ø8 Ø8 ALT.

FLASHING OPERATION

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

PROPOSED CAMERAS

▶■ – VIDEO DETECTION CAMERA (-D)

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

VIDEO CAMERA LEGEND
→→→ = VIDEO CABLE (PATH TO CONTROLLER)

GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER. MONT. CO. FORCES
2. THE CONTRACTOR SHALL CONTACT SHA TO SCHEDULE RETROFITTING OF THE CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION EQUIPMENT. MONT. CO.
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. MONT. CO.
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.

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

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy. NW.
Glen Burnie, MD 21061
Ph (410) 550-5500
Fax (410) 590-6637
4687B585.DGN

© 12/2004 REPLACE LOOP DETECTION WITH VIDEO CAMERAS SHA NO. M0717585 G585
D 4-16-2003 REPLACE LOOPS, CROSSWALKS AND STOP LINE DUE TO RESURFACING. ADA AND MISC. IMPROVEMENTS. S.H.A. NO. M0871517
SMH J.A.H. M.A.R. D.A.Z. B.R.K.

APPROVALS
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY
FILE ON ORIGINAL

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 189 (FALLS RD) AND MD 190 (RIVER RD)
POTOMAC, MARYLAND

SG-01

DRAWN BY: G. COOK	F.A.P. NO.	TS NO. TS-2022E	SHEET NO.
CHECKED BY:	S.H.A. NO.		
SCALE: 1" = 20'	COUNTY: MONTGOMERY	T.I.M.S. NO. ~~G584~~ G585	18 OF 19
DATE: 10-17-84	LOG MILE: 15019008.14		

SHA#: M0717A57/B57 TOD#: M0717-06

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