EXISTING SIGNAL HEADS TO REMAIN

1-3, 4-5, 19-23,26

12" BLACK FACED — 12" BLACK FACED — 12"

PROPOSED SIGNAL HEADS

6-7, 10-12, 15-16 — 8-9, 13-14, 17-18 — 24-25

12" — 12" — 12"

VIDEO DETECTION

a-g

SIGNS TO BE INSTALLED

28-29: R3-5L, 30"x36"

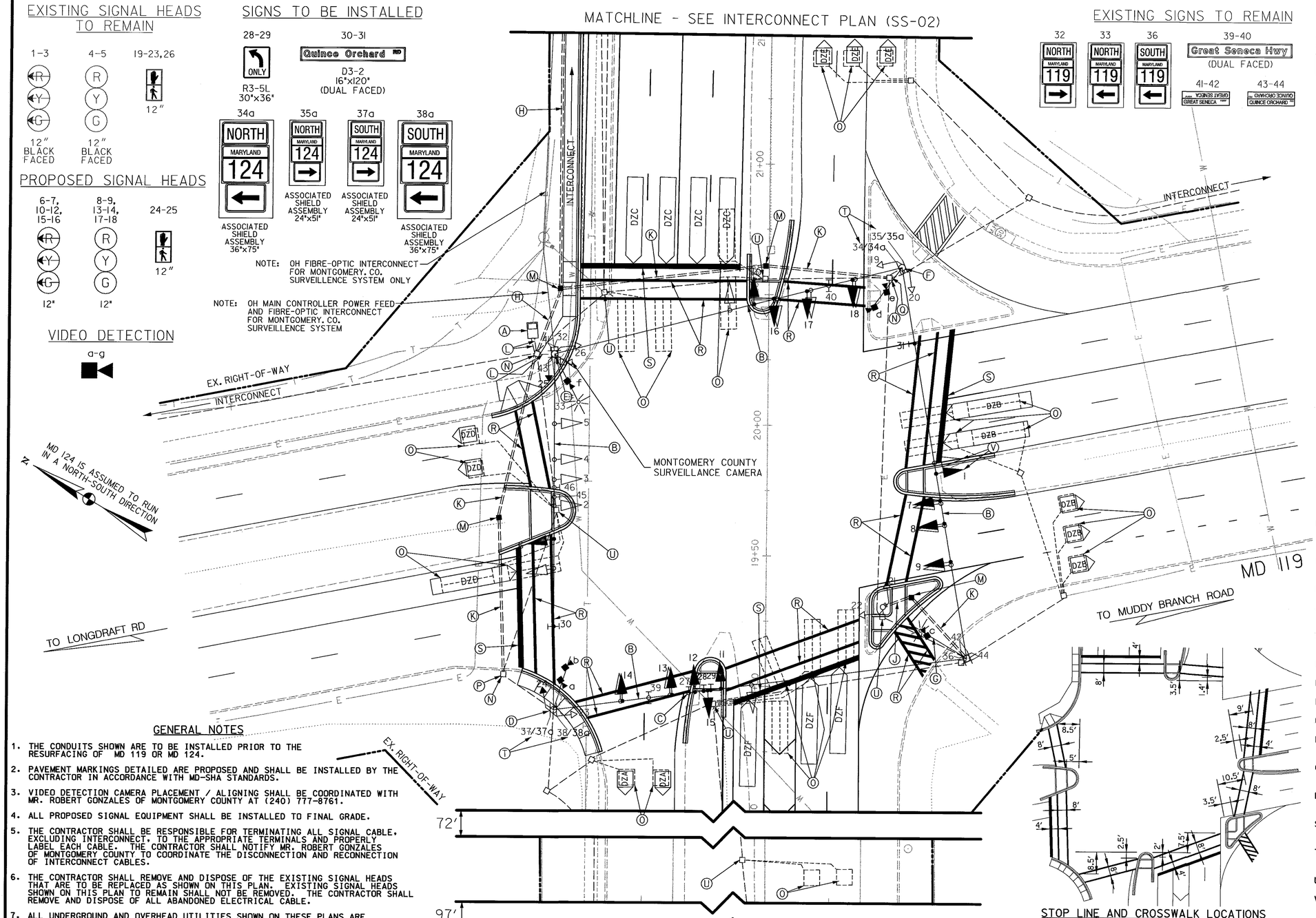
30-31: D3-2, 16"x120" (DUAL FACED)

34a, 35a, 37a, 38a: NORTH/SOUTH MARYLAND 124

ASSOCIATED SHIELD ASSEMBLY 36"x75" — ASSOCIATED SHIELD ASSEMBLY 24"x51" — ASSOCIATED SHIELD ASSEMBLY 24"x51" — ASSOCIATED SHIELD ASSEMBLY 36"x75"

NOTE: OH FIBRE-OPTIC INTERCONNECT FOR MONTGOMERY. CO. SURVEILLENCE SYSTEM ONLY

NOTE: OH MAIN CONTROLLER POWER FEED AND FIBRE-OPTIC INTERCONNECT FOR MONTGOMERY. CO. SURVEILLENCE SYSTEM



EXISTING SIGNS TO REMAIN

32, 33, 36: NORTH/SOUTH MARYLAND 119

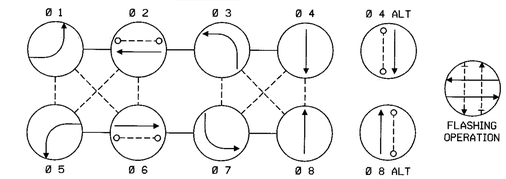
39-40: Great Seneca Hwy (DUAL FACED)

41-42: GREAT SENECA

43-44: QUINCE ORCHARD

45-46: ONLY

NEMA PHASING



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

SIGNS TO BE REMOVED

27: LEFT TURN YIELD ON GREEN

34, 35, 37, 38: EAST/WEST MARYLAND 124

CONSTRUCTION DETAILS

A. USE EXISTING CONTROLLER AND INSTALL VIDEO INTERFACE EQUIPMENT

B. REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW SIGNAL HEADS AND SIGNS

C. REMOVE EXISTING OVERHEAD SIGN (SIGN NO. 27)

D. INSTALL PEDESTRIAN SIGNAL HEADS, PUSH BUTTON, 20-FOOT LIGHTING ARM AND VIDEO DETECTOR CAMERAS ON EXISTING STRAIN POLE (INSTALL VIDEO DETECTOR CABLES AND MOUNTING HARDWARE)

E. INSTALL PEDESTRIAN SIGNAL HEADS AND PUSH BUTTON ON EXISTING STRAIN POLE. INSTALL VIDEO DETECTOR CAMERA ON EXISTING LIGHTING ARM (INSTALL VIDEO DETECTOR CABLE AND MOUNTING HARDWARE)

F. INSTALL 20-FOOT LIGHTING ARM ON EXISTING STRAIN POLE. INSTALL VIDEO DETECTOR CAMERAS ON PROPOSED LIGHTING ARM (INSTALL VIDEO DETECTOR CABLES AND MOUNTING HARDWARE)

G. INSTALL VIDEO DETECTOR CAMERA ON EXISTING LIGHTING ARM (INSTALL VIDEO DETECTOR CABLE AND MOUNTING HARDWARE)

H. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)

J. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT FROM EXISTING CONDUIT BEND TO PROP. HANDHOLE (TRENCHED PRIOR TO ISLAND CONSTRUCTION)

K. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (SLOTTED PRIOR TO ROADWAY RESURFACING)

L. USE EXISTING CONDUIT

M. INSTALL HANDHOLE

N. USE EXISTING HANDHOLE

O. ABANDON EXISTING LOOP DETECTOR AND REMOVE LEAD-IN CABLING

P. PULL EXISTING INTERCONNECT CABLE TO HANDHOLE LOCATED AT STA 19+05 LEFT AND RE-ROUTE ACCORDING TO THE WIRING DIAGRAM

Q. PULL EXISTING INTERCONNECT CABLE TO HANDHOLE LOCATED AT STA 20+56 LEFT AND RE-ROUTE ACCORDING TO THE WIRING DIAGRAM

R. INSTALL 12 IN. WHITE HEAT-APPLIED THERMOPLASTIC PERMANENT PAVEMENT MARKING FOR CROSSWALK LINES

S. INSTALL 24 IN. WHITE HEAT-APPLIED THERMOPLASTIC PERMANENT PAVEMENT MARKING FOR STOP LINES)

T. REPLACE EXISTING OVERHEAD ASSOCIATED SHIELD ASSEMBLY SIGNS 34-35 AND 37-38 WITH SIGNS 34a-35a AND 37a-38a.

U. EXISTING HANDHOLE TO BE REMOVED UNDER CLASS 2 EXCAVATION

V. RELOCATE EXISTING SIGNAL HEAD TO REMAIN

GENERAL NOTES

1. THE CONDUITS SHOWN ARE TO BE INSTALLED PRIOR TO THE RESURFACING OF MD 119 OR MD 124.
2. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MD-SHA STANDARDS.
3. VIDEO DETECTION CAMERA PLACEMENT / ALIGNING SHALL BE COORDINATED WITH MR. ROBERT GONZALES OF MONTGOMERY COUNTY AT (240) 777-8761.
4. ALL PROPOSED SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE, EXCLUDING INTERCONNECT, TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE. THE CONTRACTOR SHALL NOTIFY MR. ROBERT GONZALES OF MONTGOMERY COUNTY TO COORDINATE THE DISCONNECTION AND RECONNECTION OF INTERCONNECT CABLES.
6. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING SIGNAL HEADS THAT ARE TO BE REPLACED AS SHOWN ON THIS PLAN. EXISTING SIGNAL HEADS SHOWN ON THIS PLAN TO REMAIN SHALL NOT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLE.
7. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT EXISTS BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
8. CONTACT MONTGOMERY COUNTY'S TRANSPORTATION MANAGEMENT CENTER 72 HOURS PRIOR TO CONSTRUCTION TO MARK EXISTING UNDERGROUND TRAFFIC SIGNAL EQUIPMENT. (240) 777-2100.

STOP LINE AND CROSSWALK LOCATIONS

SCALE: 1"=40'

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

SS-1

REVISIONS	APPROVALS
(E) REPLACE EXISTING SIGNAL HEADS WITH BLACK FACE HEADS; CONVERT MD 124 LEFTS TO EXCLUSIVE SHA NO. MO-63I5I76 (TMS# F255) 11/2002	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
STV BAB (D) CHANGE NB LEFT TURN FOR MD 119 TO EXCLUSIVE PHASING TMS NO. D862 9/2000	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
JAH (C) AS-BUILT SHA NO. 855-2505704I 5/1996	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
FH	DIRECTOR, TRAFFIC & SAFETY

ORIGINALS ON FILE

STV Incorporated
engineers / architects / planners / scientists / construction managers
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 119 (GREAT SENECA HIGHWAY) AND
MD 124 (QUINCE ORCHARD ROAD)
TRAFFIC SIGNALIZATION PLAN

DRAWN BY:		F.A.P. NO.	SEE TITLE SHEET	TS NO. 3523-E	SHEET NO. 8 OF 14
CHECKED BY:		S.H.A. NO.	MO 63I5I76		
SCALE:	1 IN. = 20 FT.	COUNTY:	MONTGOMERY	T.I.M.S. NO. F255	
DATE:	AUGUST 2002	LOG MILE:			

FILE: N:\PROJECTS\10880\08\SIgnal\esdtmt19.dgn
DATE: 22-Nov-02 12:25