MD 174 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

SPECIAL NOTE:
ALL OTHER SIGNING SHALL BE REMOVED/ INSTALLED BY THE SIGNING CONTRACTOR.

PROPOSED SIGNS

15,17,18,21, 22,24,25: R3-5L (30"X36") ONLY

20a,20b,23a,23b: Quarterfield Rd. — D-3(2) (Var.X16") DUAL FACE

26: EAST MARYLAND 174 — ASSOCIATED SHIELD ASSEMBLY (30"X51")

27: WEST MARYLAND 174 — ASSOCIATED SHIELD ASSEMBLY (48"X75")

28: WEST MARYLAND 174 — ASSOCIATED SHIELD ASSEMBLY (36"X51")

29: EAST MARYLAND 174 — ASSOCIATED SHIELD ASSEMBLY (48"X75")

PROPOSED SIGNALS

1,2,5,6 — R, Y, G — 12"

3,4,7,8,11,14 — R, Y, G — 12"

9,10,12,13 — R, Y, G — 12"

■◄ – VIDEO DETECTION CAMERA (A-D)

NEMA PHASING

Ø1 Ø2 Ø3 Ø4

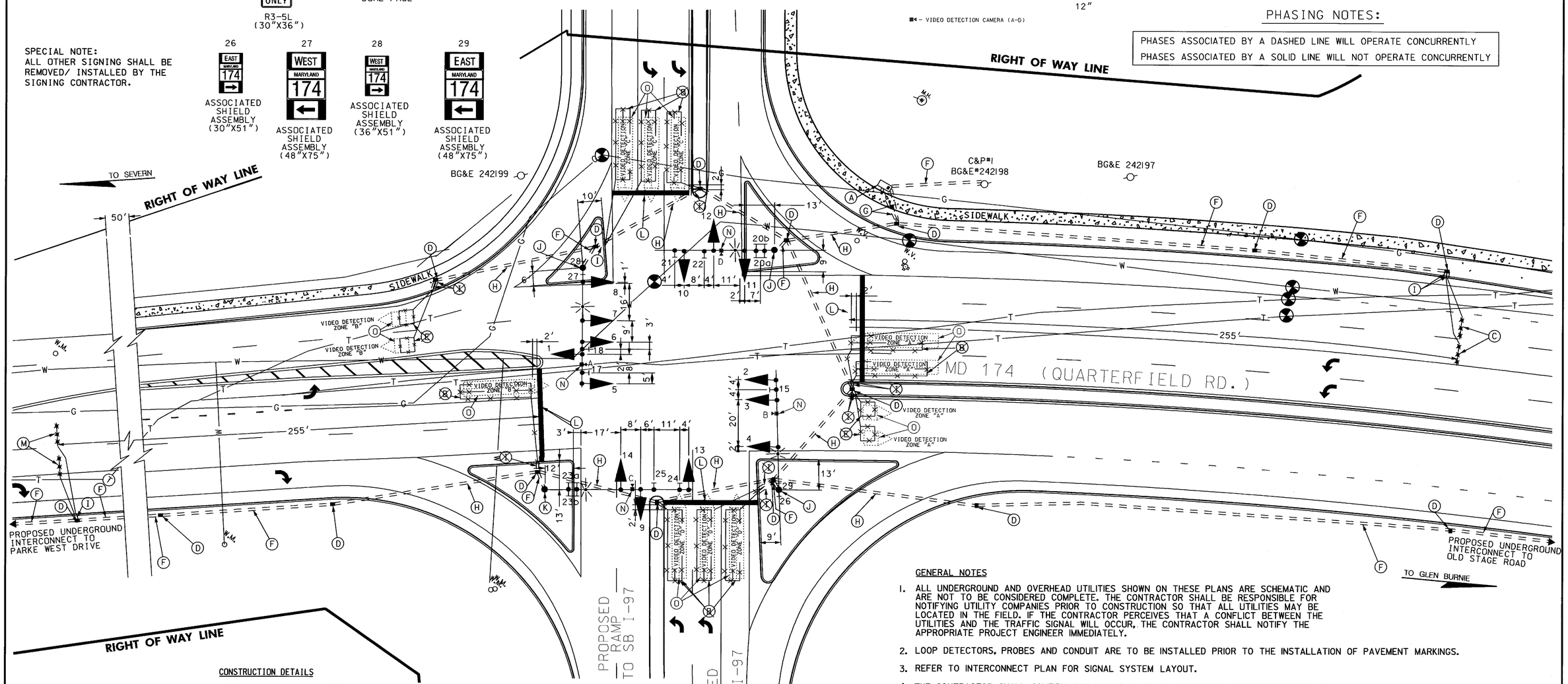
Ø5 Ø6

FLASHING OPERATION

PHASING NOTES:

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

(A) INSTALL NEW NEMA SIZE "6" BASE-MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT AS SHOWN. (NOTE: 1-2" PVC SCHED. 80 BEND, 1-3" PVC SCHED. 80 BEND, AND 2-4" PVC SCHED. 80 BENDS.)

(B) ~~INSTALL 6' X 30' LOOP DETECTOR ENCASED IN FLEXIBLE TUBING QUADRUPLE TYPE (3-6-3).~~

(C) INSTALL MICROLOOP TRIPLE PROBE DETECTOR SET W/ 500 FOOT LEAD-IN.

(D) INSTALL HANDHOLE.

(E) ~~INSTALL 6'X6' LOOP DETECTOR ENCASED IN FLEXIBLE TUBING (4 TURNS).~~

(F) INSTALL 3" POLYVINYL CHLORIDE ELECTRICAL CONDUIT-SCHEDULE 80 - TRENCHED.

(G) INSTALL 4" POLYVINYL CHLORIDE ELECTRICAL CONDUIT-SCHEDULE 80 - TRENCHED.

(H) INSTALL 4" POLYVINYL CHLORIDE ELECTRICAL CONDUIT-SCHEDULE 80 - BORED.

(I) INSTALL 1" GALVANIZED STEEL CONDUIT FOR LOOP DETECTOR LEAD-IN.

(J) INSTALL STEEL POLE 27', 50' MAST ARM, SIGNAL HEADS, 15 ' BRACKET ARM WITH 250W-HPS LUMINAIRE, AND SIGNS AS SHOWN. (NOTE: 1-3" PVC SCHED. 80 BEND.)

(K) INSTALL STEEL POLE 27', 60' MAST ARM, SIGNAL HEADS, 15 ' BRACKET ARM WITH 250W-HPS LUMINAIRE, AND SIGNS AS SHOWN. (NOTE: 1-3" PVC SCHED. 80 BEND.)

(L) INSTALL 24" HEAT APPLIED THERMOPLASTIC PAVEMENT MARKINGS AS SHOWN.

(M) INSTALL MICROLOOP TRIPLE PROBE DETECTOR SET W/ 1000 FOOT LEAD-IN.

(N) INSTALL VIDEO DETECTION CAMERA ON MAST ARM AS SHOWN.

(O) PROPOSED VIDEO DETECTION AREA.

GENERAL NOTES

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 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 WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
2. LOOP DETECTORS, PROBES AND CONDUIT ARE TO BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
3. REFER TO INTERCONNECT PLAN FOR SIGNAL SYSTEM LAYOUT.
4. THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
5. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.

REDLINE REVISION 10/ /03

GEOMETRIC LEGEND

PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE — A — A —
ELECTRIC — E — E —
TELEPHONE — T — T —
GAS — G — G —
SEWER — S — S —
WATER — W — W —
CABLE TV — TV — TV —

REVISION "A"

STREET TRAFFIC STUDIES, LTD.
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Glen Burnie, MD 21061
Ph (410) 590-5500
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REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
(A) REDLINE REVISION - ADD VIDEO DETECTOR CAMERAS	DIRECTOR, TRAFFIC & SAFETY
JWA	

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
SIGNAL PLAN
MD 174 (QUARTERFIELD ROAD) AT I-97 SOUTHBOUND RAMPS
GLEN BURNIE, MARYLAND

DRAWN BY:	J.R.H. JR.	F.A.P. NO.	SEE TITLE SHEET	TS NO.	SHEET NO.
CHECKED BY:	T.HOLLOWAY	S.H.A. NO.	AA629B2I	TS 4171	
SCALE:	1"= 20'	COUNTY:	ANNE AURNDEL	T.I.M.S. NO.	OF
DATE:	6/01	LOG MILE:	0201?404.80	D727	

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