MD 85 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

SIGNS

19,20,22,23 — ONLY (R3-5L, 30" x 36")

25,28 — R3-1 (30" x 30")

26,29 — DO NOT ENTER (R5-1, 30" x 30")

27 — NORTH / MARYLAND 85 (ASSOCIATED SHIELD ASSEMBLY (36" x 75"))

30 — SOUTH / MARYLAND 85 (ASSOCIATED SHIELD ASSEMBLY (36" x 75"))

21 — WEST / INTERSTATE 70 — C-1 (7 FT. x 4 FT.) SEE SIGN DETAIL C-1 (SEE SHEET TSP-17)

24 — EAST / INTERSTATE 70 — C-2 (7 FT. x 4 FT.) SEE SIGN DETAIL C-2 (SEE SHEET TSP-17)

SPECIAL NOTES:

1. SEE SHEET TSP-12 FOR GENERAL NOTES.
2. INSTALL CONTROL CABLE, 900 FT. LENGTH FOR VIDEO DETECTION CAMERA TO CONTROLLER CONNECTION.

PROPOSED VIDEO DETECTION CAMERA — a,b,c,d — V

SIGNAL HEADS

1,2,5,6 — R, Y, G — 12"

3,4,7-18 — R, Y, G — 12"

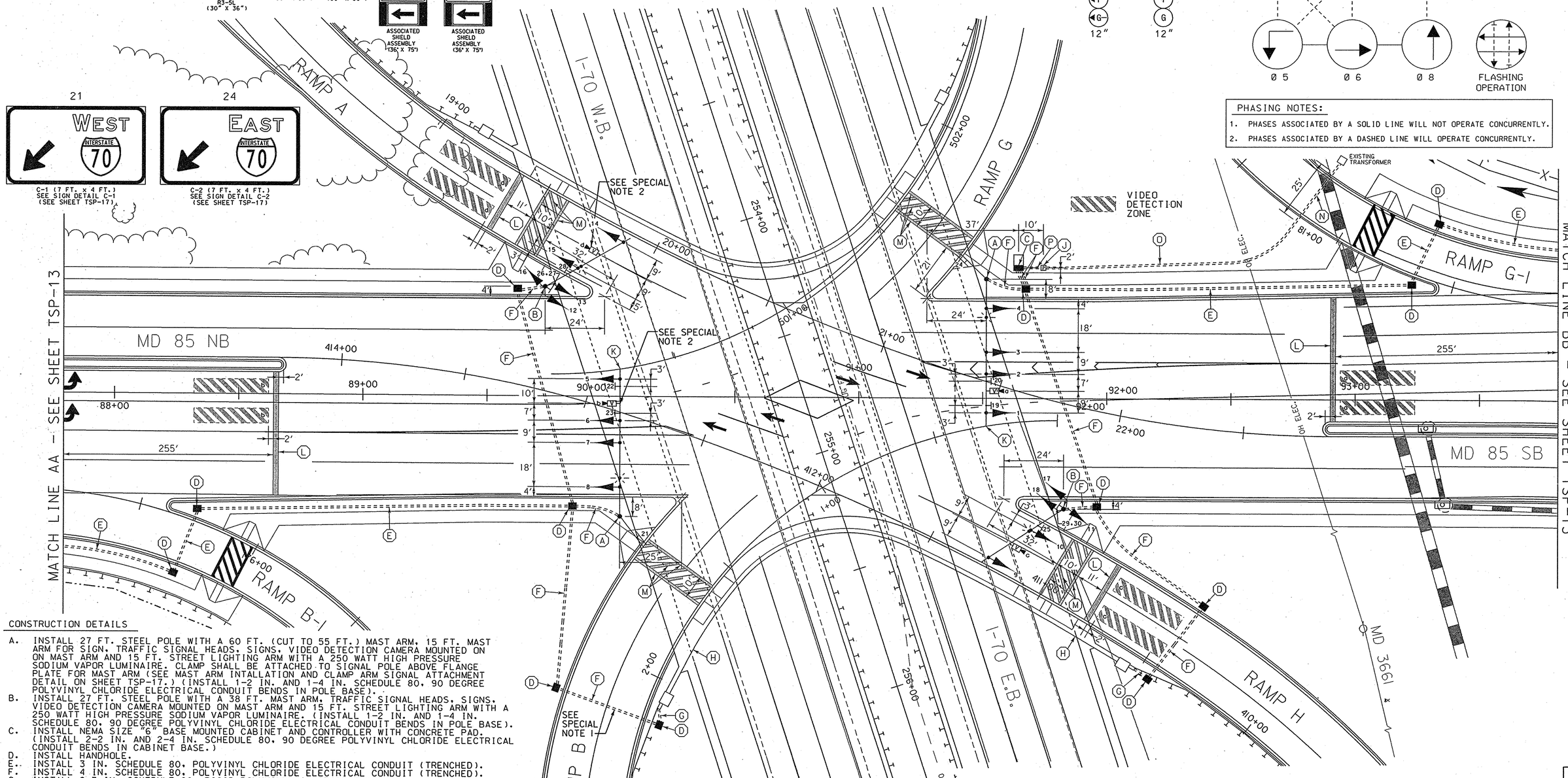
NEMA PHASING

Ø 1, Ø 2, Ø 4, Ø 5, Ø 6, Ø 8

FLASHING OPERATION

PHASING NOTES:

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



CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE WITH A 60 FT. (CUT TO 55 FT.) MAST ARM, 15 FT. MAST ARM FOR SIGN, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA MOUNTED ON ON MAST ARM AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. CLAMP SHALL BE ATTACHED TO SIGNAL POLE ABOVE FLANGE PLATE FOR MAST ARM (SEE MAST ARM INTALLATION AND CLAMP ARM SIGNAL ATTACHMENT DETAIL ON SHEET TSP-17.) (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).

B. INSTALL 27 FT. STEEL POLE WITH A 38 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA MOUNTED ON MAST ARM AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).

C. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE.)

D. INSTALL HANDHOLE.

E. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).

F. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).

G. INSTALL 2-3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUITS (TRENCHED). CONDUIT SHALL TIE INTO CONDUIT EXITING BRIDGE END POST. (SEE BRIDGE PLANS S-21 AND S-22 FOR DETAILS)

H. USE EXISTING CONDUIT IN BRIDGE PARAPET.

J. INSTALL BASE MOUNTED METERED SERVICE PEDESTAL WITH 1-2 IN. AND 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BEND IN PEDESTAL BASE.

K. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.

L. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).

M. INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).

N. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CAP AND MARK CONDUIT AT TRANSFORMER FOR USE BY ALLEGHENY POWER FORCES.

O. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE.

P. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	SS
STORM DRAIN	SD
WATER	W
CABLE TV	TV

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	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

TSP-12

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNALIZATION PLAN MD 85 AND I-70 RAMPS

DRAWN BY:	S. BLOSS	F.A.P. NO.		TS NO. 4515	SHEET NO.
CHECKED BY:	N. LEARY	S.H.A. NO.	FR4265172		
SCALE:	1" = 20'	COUNTY:	FREDERICK	T.I.M.S. NO. G813	OF
DATE:	4/20/2005	LOG MILE:			

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