MD 355 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS TO BE UNCOVERED

18 — ONLY (R3-5L, 30" X 36")

32 — LEFT TURN YIELD ON GREEN (R10-12, 36" x 42")

EXISTING SIGNS TO REMAIN

17 — ← New Design RD

23 — New Design RD → (D-3(1) (DUAL FACED) (VARIABLE x 16"))

19 — Monocacy BLVD →

20 — ← Monocacy BLVD (D-3(1) (DUAL FACED) (VARIABLE x 16"))

24,27,30,33 — MARKET ST (D-3(1) (DUAL FACED) (VARIABLE x 16"))

25 — SOUTH MARYLAND 355 → (ASSOCIATED SHIELD ASSEMBLY (30" X 51"))

26 — NORTH MARYLAND 355 ← (ASSOCIATED SHIELD ASSEMBLY (48" X 75"))

30 — NORTH MARYLAND 355 → (ASSOCIATED SHIELD ASSEMBLY (30" X 51"))

31 — SOUTH MARYLAND 355 ← (ASSOCIATED SHIELD ASSEMBLY (48" X 75"))

21,22 — ONLY (R3-5L, 30" X 36")

EX. SIGNAL HEAD TO BE REMOVED

11a — R, Y, G, G (12")

13a — R, Y, G, G (8"/12")

EXISTING SIGN TO BE REMOVED

27a — ONLY (R3-5L, 30" X 36")

PROPOSED SIGN

28 — LEFT TURN YIELD ON GREEN (R10-12, 36" x 42")

VIDEO DETECTION ZONE

EX. SIGNAL HEADS TO BE UNBAGGED

1,2,5 — R, Y, G (12")

3,4,15 — R, Y, G (12")

10 — R, Y, G (12"/8")

14 — R, Y, G (12")

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø7 Ø8

EMERGENCY PRE-EMPTION

FLASHING OPERATION

EXISTING SIGNAL HEADS TO REMAIN

6,7 — R, Y, G (12")

8,9,12,15 — R, Y, G (12")

PROPOSED SIGNAL HEADS

11 — R, Y, G (12")

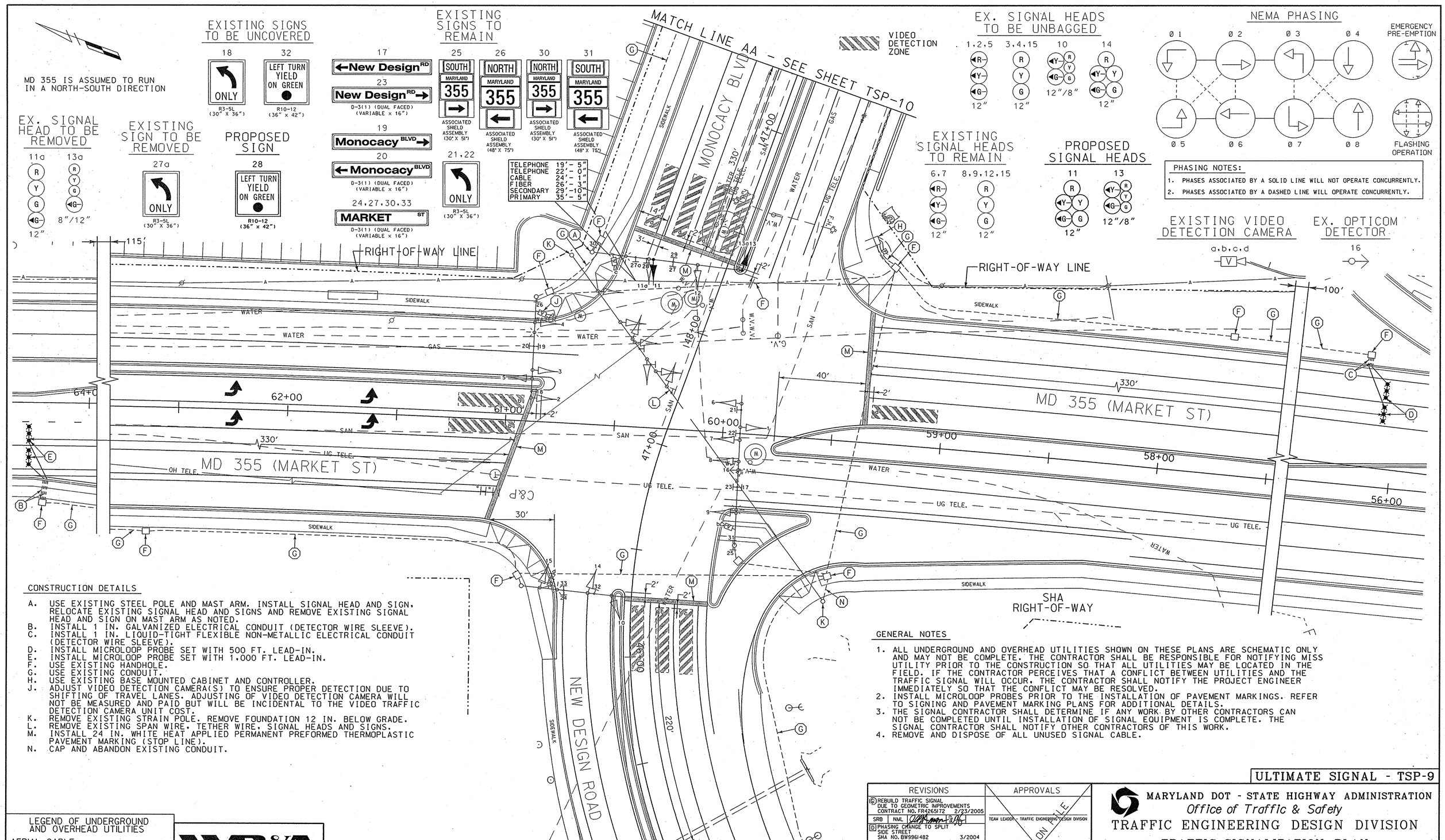
13 — R, Y, G (12"/8")

PHASING NOTES:

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

EXISTING VIDEO DETECTION CAMERA — a,b,c,d

EX. OPTICOM DETECTOR — 16



CONSTRUCTION DETAILS

A. USE EXISTING STEEL POLE AND MAST ARM. INSTALL SIGNAL HEAD AND SIGN. RELOCATE EXISTING SIGNAL HEAD AND SIGNS AND REMOVE EXISTING SIGNAL HEAD AND SIGN ON MAST ARM AS NOTED.
B. INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
C. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
D. INSTALL MICROLOOP PROBE SET WITH 500 FT. LEAD-IN.
E. INSTALL MICROLOOP PROBE SET WITH 1,000 FT. LEAD-IN.
F. USE EXISTING HANDHOLE.
G. USE EXISTING CONDUIT.
H. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER.
J. ADJUST VIDEO DETECTION CAMERA(S) TO ENSURE PROPER DETECTION DUE TO SHIFTING OF TRAVEL LANES. ADJUSTING OF VIDEO DETECTION CAMERA WILL NOT BE MEASURED AND PAID BUT WILL BE INCIDENTAL TO THE VIDEO TRAFFIC DETECTION CAMERA UNIT COST.
K. REMOVE EXISTING STRAIN POLE. REMOVE FOUNDATION 12 IN. BELOW GRADE.
L. REMOVE EXISTING SPAN WIRE, TETHER WIRE, SIGNAL HEADS AND SIGNS.
M. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
N. CAP AND ABANDON EXISTING CONDUIT.

GENERAL NOTES

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
2. INSTALL MICROLOOP PROBES PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS. REFER TO SIGNING AND PAVEMENT MARKING PLANS FOR ADDITIONAL DETAILS.
3. THE SIGNAL CONTRACTOR SHALL DETERMINE IF ANY WORK BY OTHER CONTRACTORS CAN NOT BE COMPLETED UNTIL INSTALLATION OF SIGNAL EQUIPMENT IS COMPLETE. THE SIGNAL CONTRACTOR SHALL NOTIFY OTHER CONTRACTORS OF THIS WORK.
4. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.

ULTIMATE SIGNAL - TSP-9

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

WR&A
Whitman, Requardt and Associates, LLP
801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

REVISIONS

G REBUILD TRAFFIC SIGNAL DUE TO GEOMETRIC IMPROVEMENTS CONTRACT NO. FR4265172 2/23/2005 — SRB | NWL

D PHASING CHANGE TO SPLIT SIDE STREET SHA NO. BW9961482 3/2004

C REDLINE REVISION NO. 3 NEW SHEET 2/15/2000 — JPL

B REDESIGN SIGNAL FOR REALIGNING OF WB I-70 RAMPS

APPROVALS

TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION

ASST. TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

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

TRAFFIC SIGNALIZATION PLAN
MD 355 AND MD 914 (NEW DESIGN RD.)/MONOCACY BLVD.

DRAWN BY: S. BLOSS	F.A.P. NO.	TS NO. 3929G	SHEET NO.
CHECKED BY: N. LEARY	S.H.A. NO.		
SCALE: 1" = 20'	COUNTY: FREDERICK	T.I.M.S. NO. G813	OF
DATE: 8-12-99	LOG MILE:		

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