F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

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

PROPOSED SIGNS

12,15 — LEFT TURN YIELD ON GREEN — R10–12 (36 IN. x 42 IN.)

18 — NORTH 355 — ASSOCIATED SHIELD ASSEMBLY (36 IN. X 72 IN.)

17 — SOUTH 355 — ASSOCIATED SHIELD ASSEMBLY (24 IN. X 51 IN.)

19,22 — ONLY — R3–5(L) (30 IN. x 36 IN.)

23 — ONLY — R3–5(R) (30 IN. x 36 IN.)

11,13 — Holiday DR / Genstar DR — D3–2 DUAL FACED SIGN (VARIABLE X 32 IN.)

14,16 — Genstar DR / Holiday DR — D3–2 DUAL FACED SIGN (VARIABLE X 32 IN.)

24 — NEW — Holiday DR / Genstar DR — W3–3 SIGN (48 IN. X 48 IN.) 'NEW' PANEL (30 IN. X 30 IN.) AND FLAGS D3–2 SIGN (VAR. X 32 IN.)

25 — NEW — Genstar DR / Holiday DR — W3–3 SIGN (48 IN. X 48 IN.) 'NEW' PANEL (30 IN. X 30 IN.) AND FLAGS D3–2 SIGN (VAR. X 32 IN.)

20 — NORTH 355 — ASSOCIATED SHIELD ASSEMBLY (24 IN. X 51 IN.)

21 — SOUTH 355 — ASSOCIATED SHIELD ASSEMBLY (36 IN. X 72 IN.)

PROPOSED SIGNAL HEADS

1,4 — Y, R, G — 12"/8"

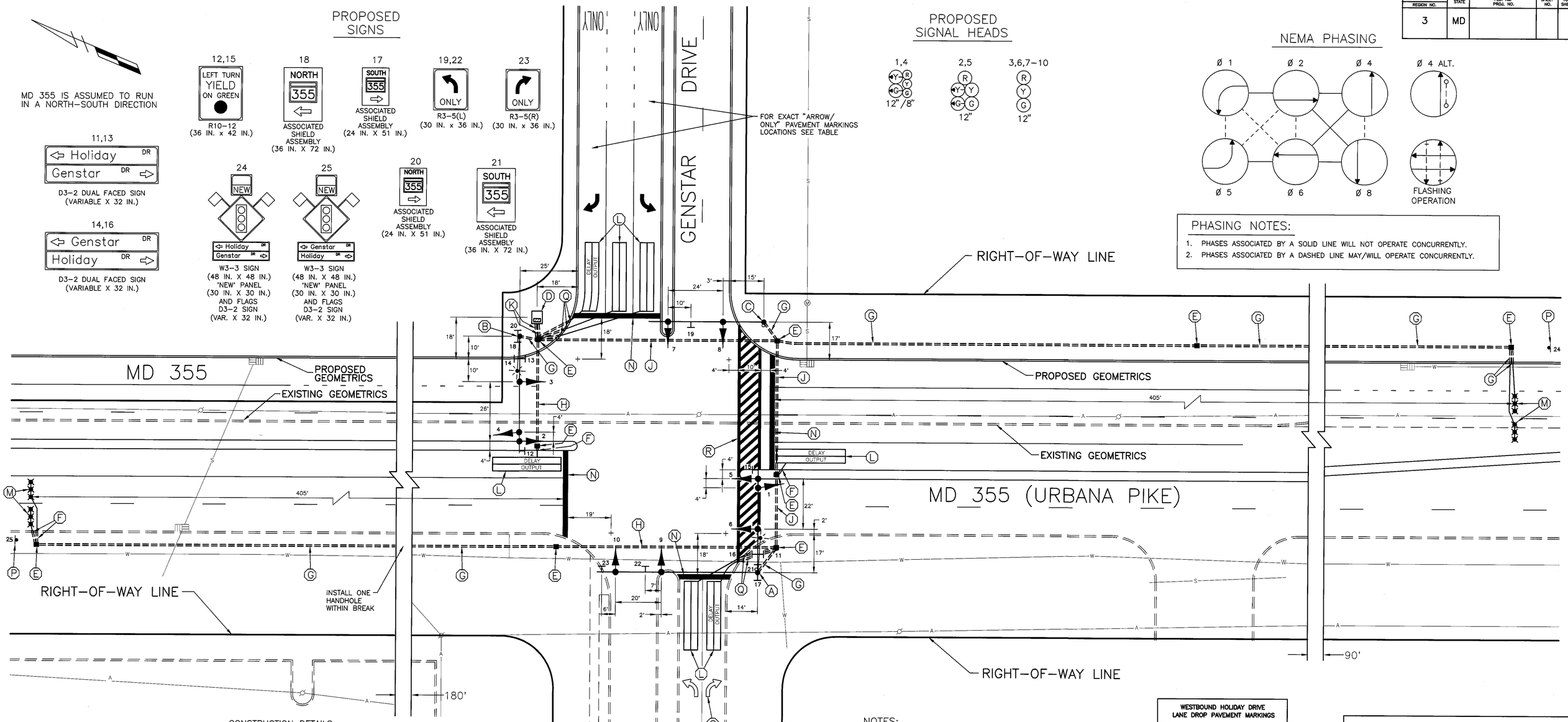
2,5 — R, Y, G — 12"

3,6,7–10 — R, Y, G — 12"

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.



CONSTRUCTION DETAILS

- A INSTALL 27 FT. STEEL POLE WITH TWIN 50 FT./70 FT. MAST ARMS, SIGNAL HEADS, SIGNS, 15 FT. STREET LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE, PEDESTRIAN PUSHBUTTON AND SIGN (NOTE: 1–2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND)
- B INSTALL 27 FT. STEEL POLE WITH A 50 FT. MAST ARM, SIGNAL HEADS, SIGNS, GALVANIZED RISER FOR PHONE DROP, 15 FT. STREET LIGHTING ARM AND 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE (NOTE: 1–2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND)
- C INSTALL 27 FT. STEEL POLE WITH A 50 FT. MAST ARM, SIGNAL HEADS, PEDESTRIAN PUSHBUTTON AND SIGN (NOTE: 1–2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND)
- D INSTALL NEMA SIZE '6' BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 2–2 IN. SCHEDULE 80, AND 2–4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS)
- E INSTALL HANDHOLE
- F INSTALL 1 IN. LIQUID–TIGHT, FLEXIBLE NON–METALLIC CONDUIT (DETECTOR WIRE SLEEVE)
- G INSTALL 2 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)
- H INSTALL 2 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED)
- J INSTALL 4 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED)
- K INSTALL 4 IN. SCHEDULE 80 RIGID POLLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)
- L INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (3–6–3 WINDING)
- M INSTALL MICROLOOP PROBE SET
- N INSTALL 24 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
- O PROPOSED ELECTRIC SERVICE BY ALLEGANY POWER
- P INSTALL W3–3 SIGN ON TWO TREATED WOOD POSTS APPROXIMATELY 650 FT. IN ADVANCE OF THE STOPLINE ON NORTHBOUND AND SOUTHBOUND MD 355
- Q INSTALL 1 IN. GALVANIZED STEEL CONDUIT (DETECTOR WIRE SLEEVE)
- R INSTALL 12 IN. PERMANENT PREFORMED PAVEMENT MARKING TAPE CROSSWALK (10 FT. WIDE – HATCHING 3 FT. C.C. AT 45 DEGREES)
- S REMOVE EXISTING PAVEMENT MARKING ARROW

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

NOTES:

1. INSTALL LOOP DETECTORS 1 FT. BEHIND STOPLINES
2. INSTALL DETECTORS AND CONDUIT PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS
3. THE CONTRACTOR SHALL CONFIRM THE LOCATION OF GEOMETRICS PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT

WESTBOUND HOLIDAY DRIVE LANE DROP PAVEMENT MARKINGS

PAVEMENT MARKINGS	DIST. FROM STOPBAR
"ARROW" PAVEMENT MARKING	50'
"ONLY" PAVEMENT MARKING	130'
"ARROW" PAVEMENT MARKING	210'

TRAFFIC CONCEPTS, INC.
Brightview Business Center
8258 Veterans Highway
Suite 19B
Millersville, MD 21108
(410) 987–0427

LOG MILE NO. 10035509.30

REVISIONS	APPROVALS	REVISIONS
	9/10/97 ASSISTANT DIVISION CHIEF	
	ASST. DISTRICT ENGINEER, TRAFFIC	
	9/10/97 CHIEF, TRAFFIC ENGINEERING DESIGN DIV.	
	9/10/97 DIRECTOR, OFFICE OF TRAFFIC AND SAFETY	

MARYLAND DOT – STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 355 (URBANA PIKE) AND
HOLIDAY DRIVE / GENSTAR DRIVE

DATE: 8–28–97	DRAWN BY: T. ZAYDEL	F.A.P. NO.	PLAN SHEET NO.: TS–3737
SCALE: 1"=20'	DESIGNED BY: T. ZAYDEL	S.H.A. NO. BW130M83	SHEET NO. ___ OF ___
APPROVED BY: 9/10/97	CHECKED BY: K. SCHMID	COUNTY FREDERICK	