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

MD 253 IS ASSUMED TO RUN IN A NORTH–SOUTH DIRECTION

EXISTING SIGNS

11,12

Washington ST

D3–2 DUAL FACED SIGN (VARIABLE X 16 IN.)

EXISTING SIGNAL HEADS

1,2,7,9: R Y G 12"

6,8: R Y G G 12"

PROPOSED SIGNS

16: NORTH 253 — ASSOCIATED SHIELD ASSEMBLY (24 IN. X 51 IN.)

17: SOUTH 253 — ASSOCIATED SHIELD ASSEMBLY (36 IN. X 72 IN.)

18: ONLY — R3–5(R) (30 IN. x 36 IN.)

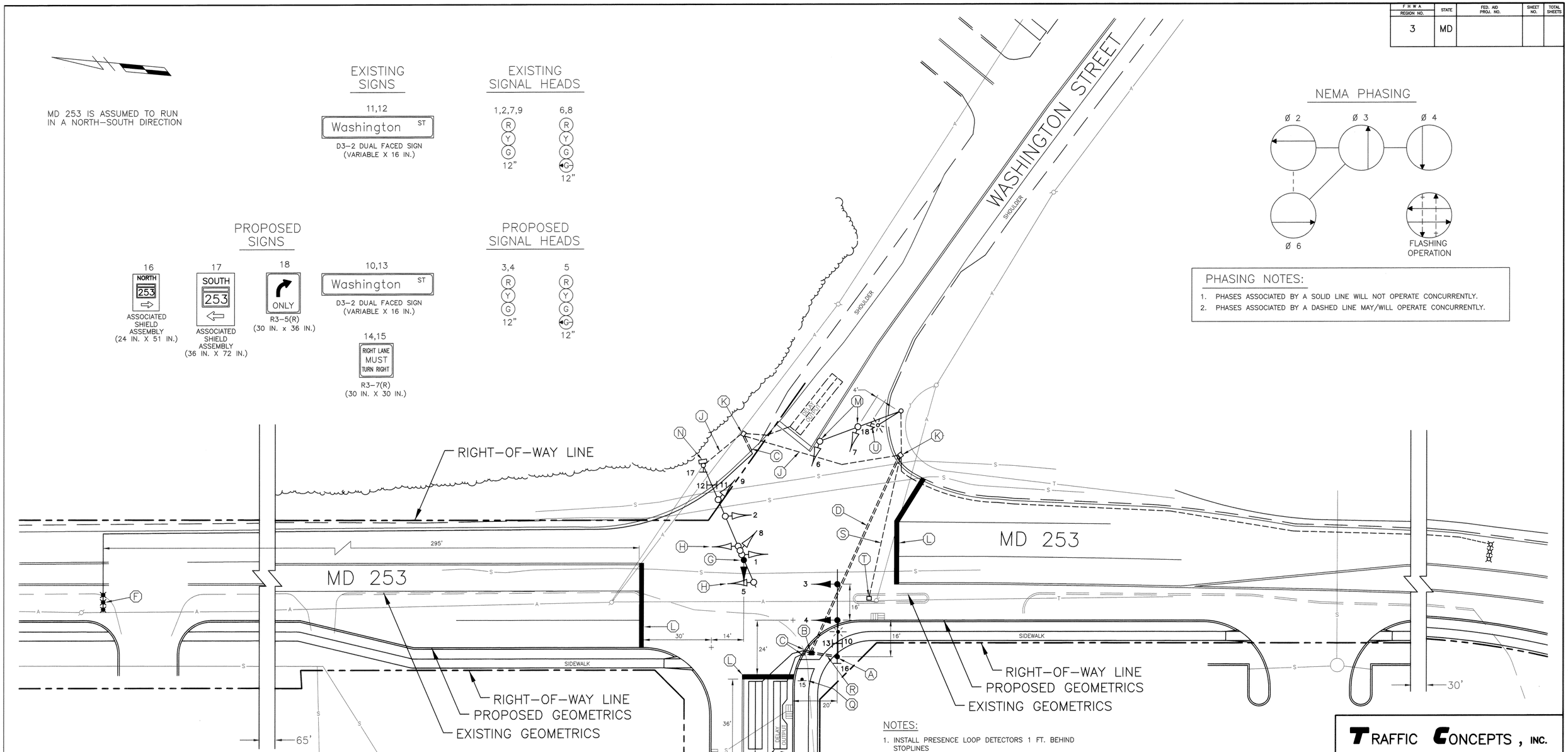
10,13: Washington ST — D3–2 DUAL FACED SIGN (VARIABLE X 16 IN.)

14,15: RIGHT LANE MUST TURN RIGHT — R3–7(R) (30 IN. X 30 IN.)

PROPOSED SIGNAL HEADS

3,4: R Y G 12"

5: R Y G 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.

NOTES:

1. INSTALL PRESENCE 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
4. DISCONNECT AND ABANDON EXISTING DETECTORS ON THE NORTH AND WEST APPROACHES

CONSTRUCTION DETAILS

A INSTALL 27 FT. STEEL POLE WITH A 38 FT. MAST ARM, SIGNAL HEADS, SIGNS, 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)
B INSTALL HANDHOLE
C INSTALL 1 IN. LIQUID–TIGHT, FLEXIBLE NON–METALLIC CONDUIT (DETECTOR WIRE SLEEVE)
D INSTALL 4 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED)
E INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (3–6–3 WINDING)
F INSTALL MICROLOOP PROBE SET
G INSTALL NEW SIGNAL HEAD AS SHOWN. CUT, CLEAN AND CAP MAST ARM
H REMOVE EXISTING SIGNAL HEADS
J USE EXISTING CONDUIT
K USE EXISTING HANDHOLE
L INSTALL 24 IN. WHITE THERMOPLASTIC PAVEMENT MARKINGS
M RE–AIM SIGNAL HEADS AS SHOWN
N INSTALL 1–FOUR CHANNEL LOOP DETECTOR AMPLIFIER INTO EXISTING POLE MOUNTED CABINET AND SIGN ON EXISTING POLE
O INSTALL WHITE "ARROW" THERMOPLASTIC PAVEMENT MARKING
P INSTALL WHITE "ONLY" THERMOPLASTIC PAVEMENT MARKINGS
Q INSTALL R3–7R SIGN ON ONE 4 IN. X 6 IN. WOOD POST
R INSTALL 2 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)
S CAP AND ABANDON EXISTING CONDUIT
T REMOVE EXISTING HANDHOLE
U INSTALL R3–5R SIGN AS SHOWN

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

LOG MILE NO. 02025301.06

TRAFFIC CONCEPTS, INC.
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Millersville, MD 21108
(410) 987–0427

REVISIONS	APPROVALS
B 8–31–98 MODIFY SIGNAL DUE TO GEOMETRIC IMPROVEMENTS	ASSISTANT DIVISION CHIEF — ORIGINAL ON FILE
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIV.
TMZ	MGR., OFFICE OF TRAFFIC AND SAFETY

MARYLAND DOT – STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 253 AND WASHINGTON STREET

DATE:	DRAWN BY: MEL	F.A.P. NO.		PLAN SHEET NO.: TS–3477B	SHEET NO.
SCALE: 1"=20'	DESIGNED BY:	S.H.A. NO.			OF
APPROVED BY:	CHECKED BY:	COUNTY	ANNE ARUNDEL		

4/99