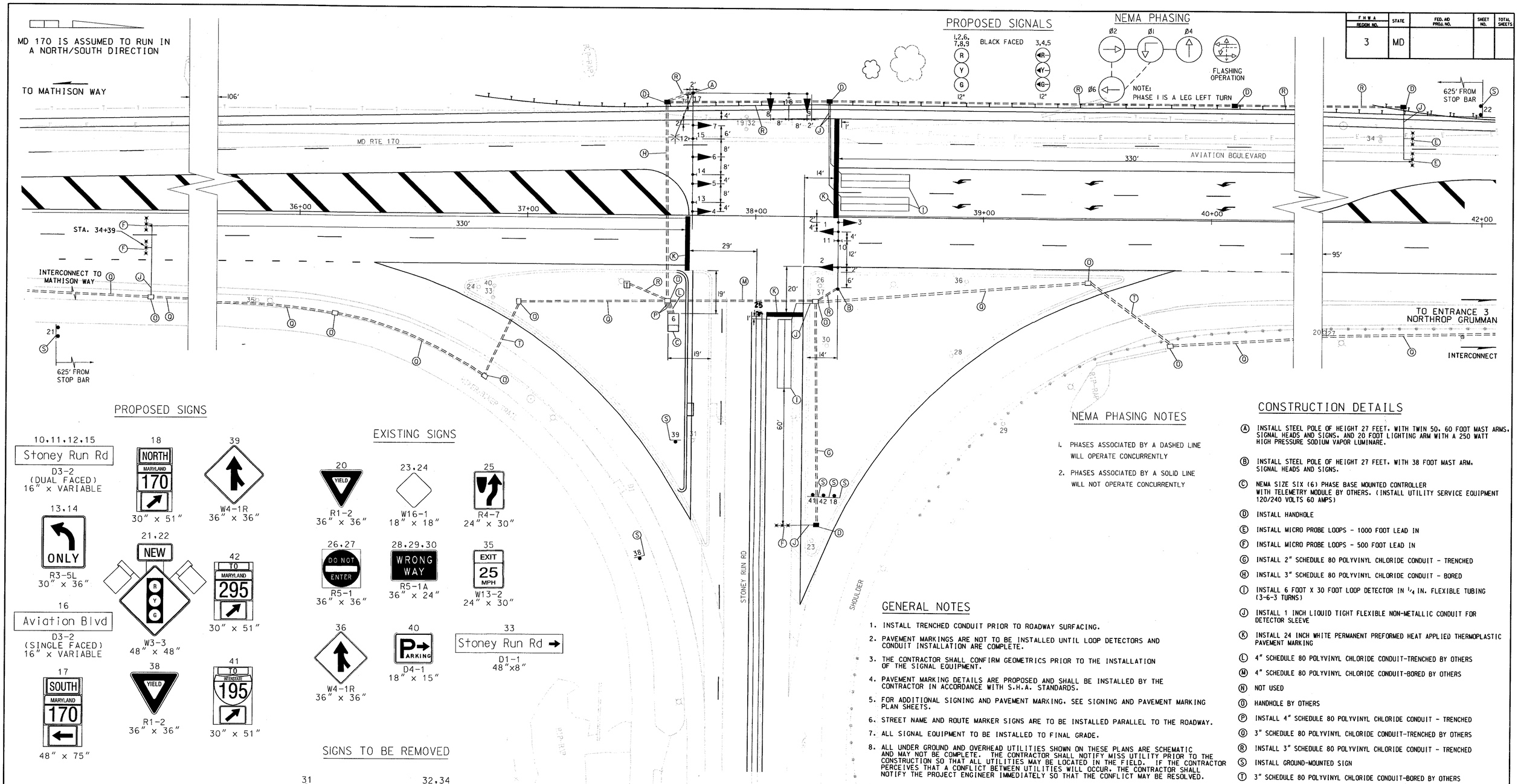
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			



NEMA PHASING NOTES

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

CONSTRUCTION DETAILS

- (A) INSTALL STEEL POLE OF HEIGHT 27 FEET, WITH TWIN 50, 60 FOOT MAST ARMS, SIGNAL HEADS AND SIGNS, AND 20 FOOT LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINARE.
- (B) INSTALL STEEL POLE OF HEIGHT 27 FEET, WITH 38 FOOT MAST ARM, SIGNAL HEADS AND SIGNS.
- (C) NEMA SIZE SIX (6) PHASE BASE MOUNTED CONTROLLER WITH TELEMETRY MODULE BY OTHERS. (INSTALL UTILITY SERVICE EQUIPMENT 120/240 VOLTS 60 AMPS)
- (D) INSTALL HANDHOLE
- (E) INSTALL MICRO PROBE LOOPS - 1000 FOOT LEAD IN
- (F) INSTALL MICRO PROBE LOOPS - 500 FOOT LEAD IN
- (G) INSTALL 2" SCHEDULE 80 POLYVINYL CHLORIDE CONDUIT - TRENCHED
- (H) INSTALL 3" SCHEDULE 80 POLYVINYL CHLORIDE CONDUIT - BORED
- (I) INSTALL 6 FOOT X 30 FOOT LOOP DETECTOR IN 1/4 IN. FLEXIBLE TUBING (3-6-3 TURNS)
- (J) INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
- (K) INSTALL 24 INCH WHITE PERMANENT PREFORMED HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
- (L) 4" SCHEDULE 80 POLYVINYL CHLORIDE CONDUIT-TRENCHED BY OTHERS
- (M) 4" SCHEDULE 80 POLYVINYL CHLORIDE CONDUIT-BORED BY OTHERS
- (N) NOT USED
- (O) HANDHOLE BY OTHERS
- (P) INSTALL 4" SCHEDULE 80 POLYVINYL CHLORIDE CONDUIT - TRENCHED
- (Q) 3" SCHEDULE 80 POLYVINYL CHLORIDE CONDUIT-TRENCHED BY OTHERS
- (R) INSTALL 3" SCHEDULE 80 POLYVINYL CHLORIDE CONDUIT - TRENCHED
- (S) INSTALL GROUND-MOUNTED SIGN
- (T) 3" SCHEDULE 80 POLYVINYL CHLORIDE CONDUIT-BORED BY OTHERS

GENERAL NOTES

1. INSTALL TRENCHED CONDUIT PRIOR TO ROADWAY SURFACING.
2. PAVEMENT MARKINGS ARE NOT TO BE INSTALLED UNTIL LOOP DETECTORS AND CONDUIT INSTALLATION ARE COMPLETE.
3. THE CONTRACTOR SHALL CONFIRM GEOMETRICS PRIOR TO THE INSTALLATION OF THE SIGNAL EQUIPMENT.
4. PAVEMENT MARKING DETAILS ARE PROPOSED AND SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH S.H.A. STANDARDS.
5. FOR ADDITIONAL SIGNING AND PAVEMENT MARKING, SEE SIGNING AND PAVEMENT MARKING PLAN SHEETS.
6. STREET NAME AND ROUTE MARKER SIGNS ARE TO BE INSTALLED PARALLEL TO THE ROADWAY.
7. ALL SIGNAL EQUIPMENT TO BE INSTALLED TO FINAL GRADE.
8. ALL UNDER GROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL NOTIFY 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 WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
9. HANDHOLES SHALL BE SPACED AT A MAXIMUM OF 200' APART.

LEGEND OF UTILITIES

A — A	AERIAL
G — G	GAS MAIN
W — W	WATER MAIN
S — S	SEWER MAIN
E — E	ELECTRIC CABLES
T — T	TELEPHONE CABLES
C — C	CABLE TELEVISION

REVISIONS	APPROVALS
	8-27-02 TEAM LEADER, DESIGN SECTION
	8/30/02 ASST. CHIEF ENGINEER-ENG. DESIGN
	090302 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	090302 DIRECTOR, TRAFFIC & SAFETY

Baker

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

SIGNAL PLAN -
MD 170 (AVIATION BLVD) AND STONEY RUN RD

DRAWN BY:	DBERRILL	F.A.P. NO.		TS NO. 4067	SHEET NO. SG-8A
CHECKED BY:	EMILLER	S.H.A. NO.			
SCALE:	1"=20'	COUNTY:	ANNE ARUNDEL	T.I.M.S. NO. E 467	
DATE:	8/29/02	LOG MILE:	02017007.15		

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