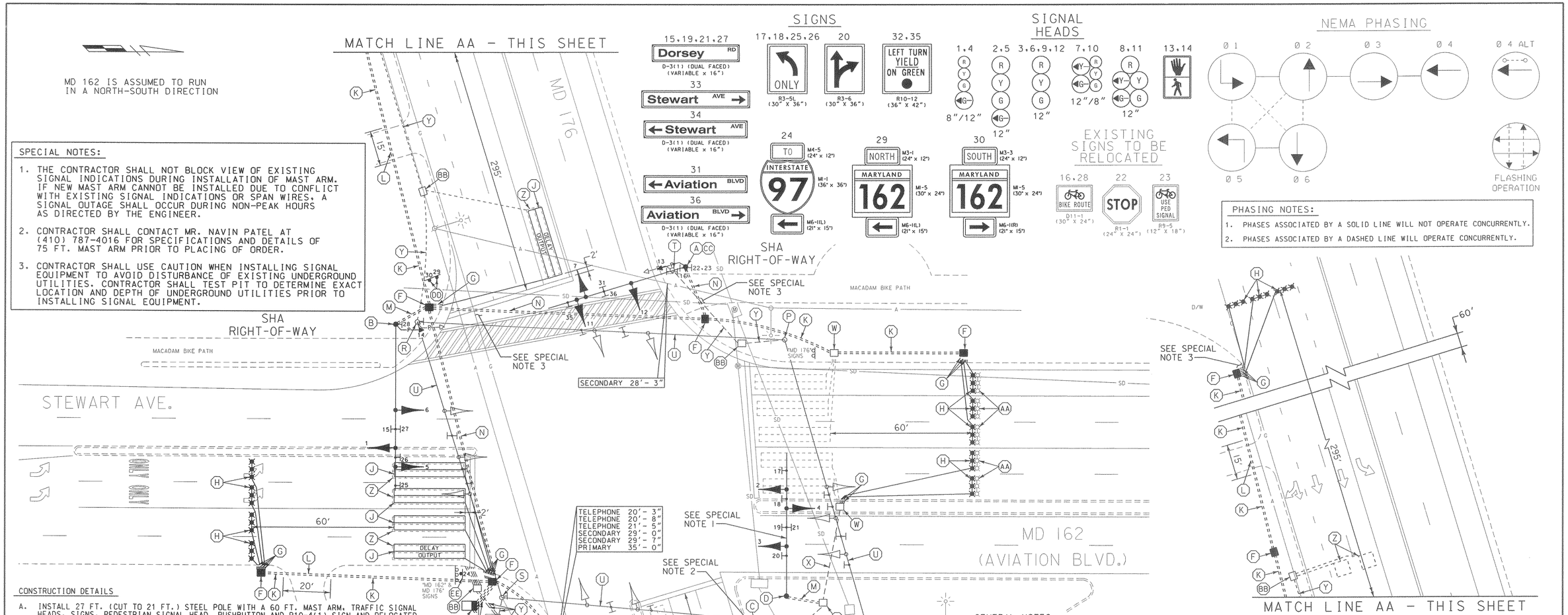

CONSTRUCTION DETAILS

A. INSTALL 27 FT. (CUT TO 21 FT.) STEEL POLE WITH A 60 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND R10-4(1) SIGN AND RELOCATED SIGNS. (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 70 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND R10-4(1) SIGN AND RELOCATED SIGN. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).
C. INSTALL 27 FT. STEEL POLE WITH A 75 FT. MAST ARM, TRAFFIC SIGNAL HEADS AND SIGNS. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).
D. INSTALL 27 FT. STEEL POLE WITH A 60 FT. MAST ARM, TRAFFIC SIGNAL HEADS AND SIGNS. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).
E. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD AND CONTROL AND DISTRIBUTION EQUIPMENT. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE.)
F. INSTALL HANDHOLE.
G. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
H. INSTALL MICROLOOP PROBE SET WITH 500 FT. LEAD-IN.
J. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
K. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
L. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
M. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
N. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
O. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE AND 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND TELEPHONE SERVICE IN COMMON TRENCH. CAP AND MARK CONDUITS 2 FT. ABOVE GRADE AT UTILITY POLE FOR USE BY OTHERS.
P. REMOVE EXISTING STRAIN POLE. REMOVE FOUNDATION 12 IN. BELOW GRADE.
R. REMOVE EXISTING STRAIN POLE, PEDESTRIAN SIGNAL HEAD AND SIGNS. REMOVE FOUNDATION 12 IN. BELOW GRADE. BAND D11-1 SIGN TO NEW SIGNAL POLE.
S. REMOVE EXISTING STRAIN POLE AND SHIELD ASSEMBLY. REMOVE FOUNDATION 12 IN. BELOW GRADE.
T. REMOVE EXISTING PEDESTAL POLE AND PEDESTRIAN SIGNAL HEAD. REMOVE FOUNDATION 12 IN. BELOW GRADE.BAND D11-1, R1-1 AND R9-5 SIGNS TO NEW SIGNAL POLE.
U. REMOVE EXISTING SPAN WIRE, TETHER WIRE, SIGNAL HEADS AND SIGNS.
V. REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER. REMOVE FOUNDATION 12 IN. BELOW GRADE. CABINET AND CONTROLLER SHALL BE DELIVERED TO SHA.
W. USE EXISTING HANDHOLE.
X. USE EXISTING CONDUIT.
Y. ABANDON EXISTING CONDUIT.
Z. ABANDON EXISTING LOOP DETECTOR.
AA. ABANDON EXISTING MICROLOOP PROBE SET.
BB. REMOVE EXISTING HANDHOLE.
CC. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.

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

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. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.
3. THE CABINET AND CONTROLLER SHALL BE DELIVERED TO SHA AT 7491 CONNELLEY DRIVE, HANOVER, MD 21076. THE CONTRACTOR SHALL NOTIFY SHA AT LEAST THREE (3) DAYS IN ADVANCE OF DELIVERY.
4. THE CONTRACTOR SHALL NOT CUT MAST ARM AS INDICATED ON PLANS UNTIL MAST ARM POLE LOCATION IS FINALIZED.
5. REFER TO SHEET 2 FOR DIMENSIONS OF SIGNAL EQUIPMENT WITHIN THE INTERSECTION.
6. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.

CONSTRUCTION DETAILS CONT.

DD. INSTALL M3-1 (24 IN.x 12 IN.), M1-5 (30 IN.x 24 IN.) AND M6-1(R) (21 IN.x 15 IN.) AND M3-3 (24 IN.x 12 IN.), M1-5 (30 IN.x 24 IN.) AND M6-1(L) (21 IN.x 15 IN.) SIGNS EACH ON ONE 4 IN. x 6 IN. TREATED WOOD POST.
EE. INSTALL M4-5 (24 IN.x 12 IN.), M1-1 (36 IN.x 36 IN.) AND M6-1(L) (21 IN.x 15 IN.) SIGNS ON ONE 4 IN. x 6 IN. TREATED WOOD POST.
FF. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).

WR&A
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REVISIONS	APPROVALS
(H) REBUILD TRAFFIC SIGNAL — NML 8/21/01	TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION
(G) ASBUILT SHA NO.AA 893-505-572 — RRZ 6/12/98	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
(E) MODIFIED DUE TO GEOMETRIC IMPROVEMENTS — TMZ 8/30/95	CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
(A) ADD ALTERNATE PEDESTRIAN PHASE — MAR 8/87	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

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

TRAFFIC SIGNALIZATION PLAN
MD 162 & MD 176 (DORSEY ROAD)

DRAWN BY:	F.A.P. NO.	TS NO. 182 H	SHEET NO.
CHECKED BY:	S.H.A. NO. AA4083P1056	T.I.M.S. NO. E621	1 OF 4
SCALE: 1" = 20'	COUNTY: ANNE ARUNDEL		
DATE:	LOG MILE: 02016200.00		