MD 178 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNALS

19
M95-1 (24" X 78")

13
R10-12 (36" X 42")

17,18
R3-5(L) 30" X 36"

14A,16B
D3-2 DUAL FACE SIGN (VAR. X 16")

14B,16A
D3-2 DUAL FACE SIGN (VAR. X 16")

20,21
R10-12 (36" X 42")

15
R3-2 (24" X 24")

EXISTING SIGNS TO BE REMOVED

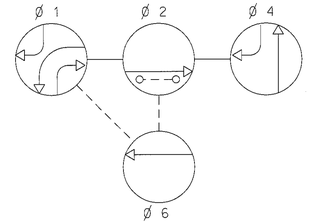
22
W3-3 (48" X 48") GROUND MOUNT

23
R1-2 (36" X 36") GROUND MOUNT

PROPOSED SIGNALS

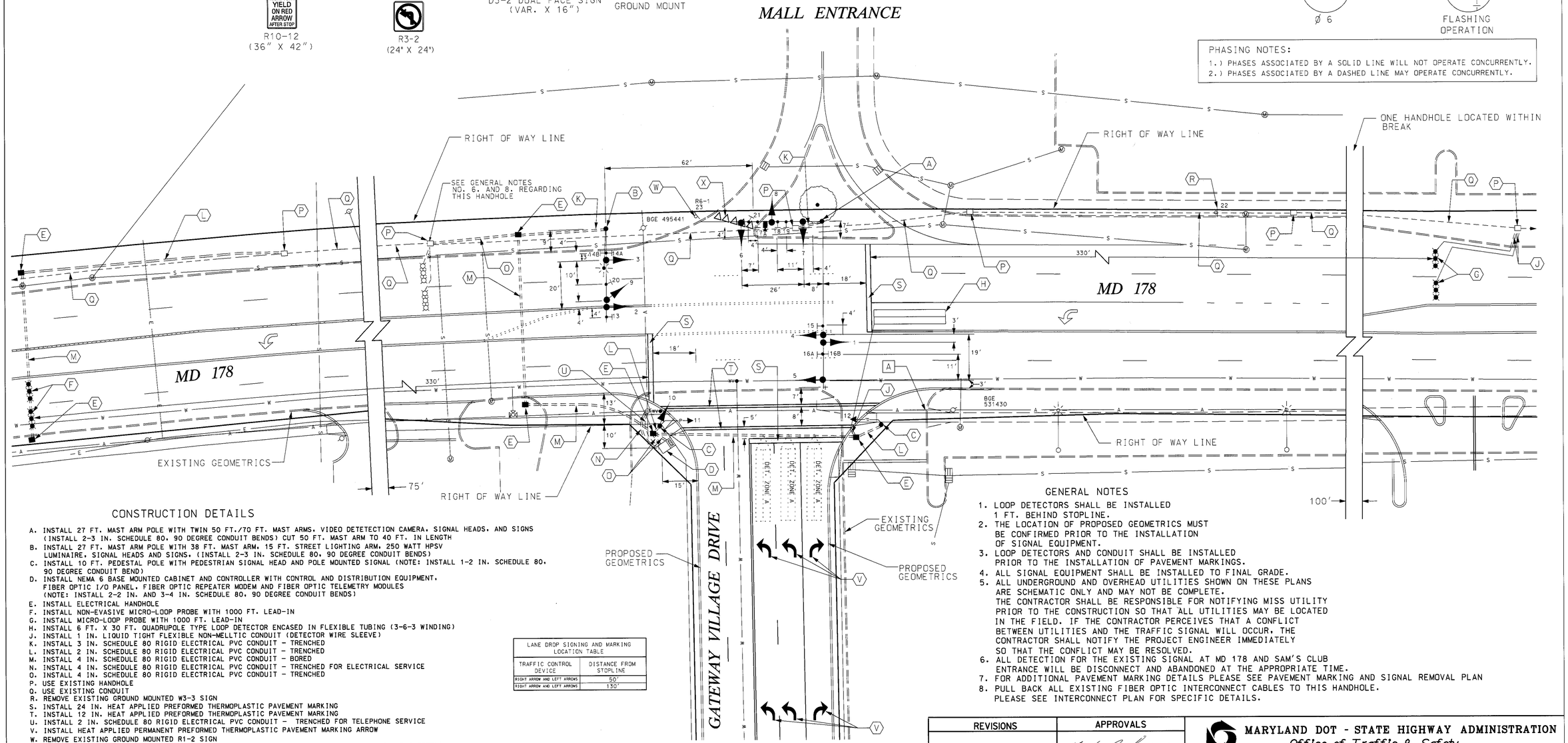
I 12"/8" | 2 12" | 3-6 12" | 7 12" | 8-10 12" | 11,12 12"

NEMA PHASING



FLASHING OPERATION

PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. INSTALL 27 FT. MAST ARM POLE WITH TWIN 50 FT./70 FT. MAST ARMS, VIDEO DETETECTION CAMERA, SIGNAL HEADS, AND SIGNS (INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS) CUT 50 FT. MAST ARM TO 40 FT. IN LENGTH
B. INSTALL 27 FT. MAST ARM POLE WITH 38 FT. MAST ARM, 15 FT. STREET LIGHTING ARM, 250 WATT HPSV LUMINAIRE, SIGNAL HEADS AND SIGNS, (INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
C. INSTALL 10 FT. PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD AND POLE MOUNTED SIGNAL (NOTE: INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE CONDUIT BEND)
D. INSTALL NEMA 6 BASE MOUNTED CABINET AND CONTROLLER WITH CONTROL AND DISTRIBUTION EQUIPMENT, FIBER OPTIC I/O PANEL, FIBER OPTIC REPEATER MODEM AND FIBER OPTIC TELEMETRY MODULES (NOTE: INSTALL 2-2 IN. AND 3-4 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
E. INSTALL ELECTRICAL HANDHOLE
F. INSTALL NON-EVASIVE MICRO-LOOP PROBE WITH 1000 FT. LEAD-IN
G. INSTALL MICRO-LOOP PROBE WITH 1000 FT. LEAD-IN
H. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN FLEXIBLE TUBING (3-6-3 WINDING)
J. INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-MELLTIC CONDUIT (DETECTOR WIRE SLEEVE)
K. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
L. INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
M. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
N. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED FOR ELECTRICAL SERVICE
O. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
P. USE EXISTING HANDHOLE
Q. USE EXISTING CONDUIT
R. REMOVE EXISTING GROUND MOUNTED W3-3 SIGN
S. INSTALL 24 IN. HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING
T. INSTALL 12 IN. HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING
U. INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED FOR TELEPHONE SERVICE
V. INSTALL HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROW
W. REMOVE EXISTING GROUND MOUNTED R1-2 SIGN
X. INSTALL WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING "SHARKS TEETH"

LANE DROP SIGNING AND MARKING LOCATION TABLE	
TRAFFIC CONTROL DEVICE	DISTANCE FROM STOPLINE
RIGHT ARROW AND LEFT ARROWS	50'
RIGHT ARROW AND LEFT ARROWS	130'

GENERAL NOTES

1. LOOP DETECTORS SHALL BE INSTALLED 1 FT. BEHIND STOPLINE.
2. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
3. LOOP DETECTORS AND CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
4. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
5. 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.
6. ALL DETECTION FOR THE EXISTING SIGNAL AT MD 178 AND SAM'S CLUB ENTRANCE WILL BE DISCONNECT AND ABANDONED AT THE APPROPRIATE TIME.
7. FOR ADDITIONAL PAVEMENT MARKING DETAILS PLEASE SEE PAVEMENT MARKING AND SIGNAL REMOVAL PLAN
8. PULL BACK ALL EXISTING FIBER OPTIC INTERCONNECT CABLES TO THIS HANDHOLE. PLEASE SEE INTERCONNECT PLAN FOR SPECIFIC DETAILS.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

UTILITY HEIGHTS

[A] C & P = 19' - 1"
CABLE = 20' - 11"
C & P = 21' - 5"
TRIPLEX = 24' - 0"
PRIMARY = >31'- 0"

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REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION 11-25-03
	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION 12/02/03
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION 12/08/03
	DIRECTOR, TRAFFIC & SAFETY 12/8/03

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
SIGNALIZATION PLAN
MD 178 AT GATEWAY VILLAGE DRIVE

DRAWN BY:	T. ZAYDEL	F.A.P. NO.		TS NO. 4278	SHEET NO. 1 OF 4
CHECKED BY:	K. SCHMID	S.H.A. NO.			
SCALE:	1" = 20'	COUNTY:	ANNE ARUNDEL	T.I.M.S. NO. F921	
DATE:	11-1-03	LOG MILE:			

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