MD 27 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS

16,17 — R3-5L 30"x36"

20a — Snowden Farm PKY

20b — Snowden Farm PKY — D3-2 DUAL FACE SIGN VAR.x16"

18a — Snowden Farm PKY

18b — Snowden Farm PKY — D3-2 DUAL FACE SIGN VAR.x16"

21 — NORTH MARYLAND 27 SOUTH — M95-1 72"x24"

22,23 — NEW — W3-3 (48"x48") W"NEW PANEL" (30"x30") AND FLAGS

12 — R10-4(1) MOD. (9" x 15") OPTION A SIGN

13 — R10-4(1) MOD. (9" x 15") OPTION A SIGN

14 — R10-4(1) MOD. (9" x 15") OPTION A SIGN

15 — R10-4(1) MOD. (9" x 15") OPTION A SIGN

PROPOSED L.E.D. SIGNALS

1–3 — R, Y, G — 12"

4–11 — R, Y, G — 12"

12–15 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD

PROPOSED VIDEO DETECTION CAMERA

A,B

NEMA PHASING

Ø 1, Ø 2, Ø 4, Ø 6

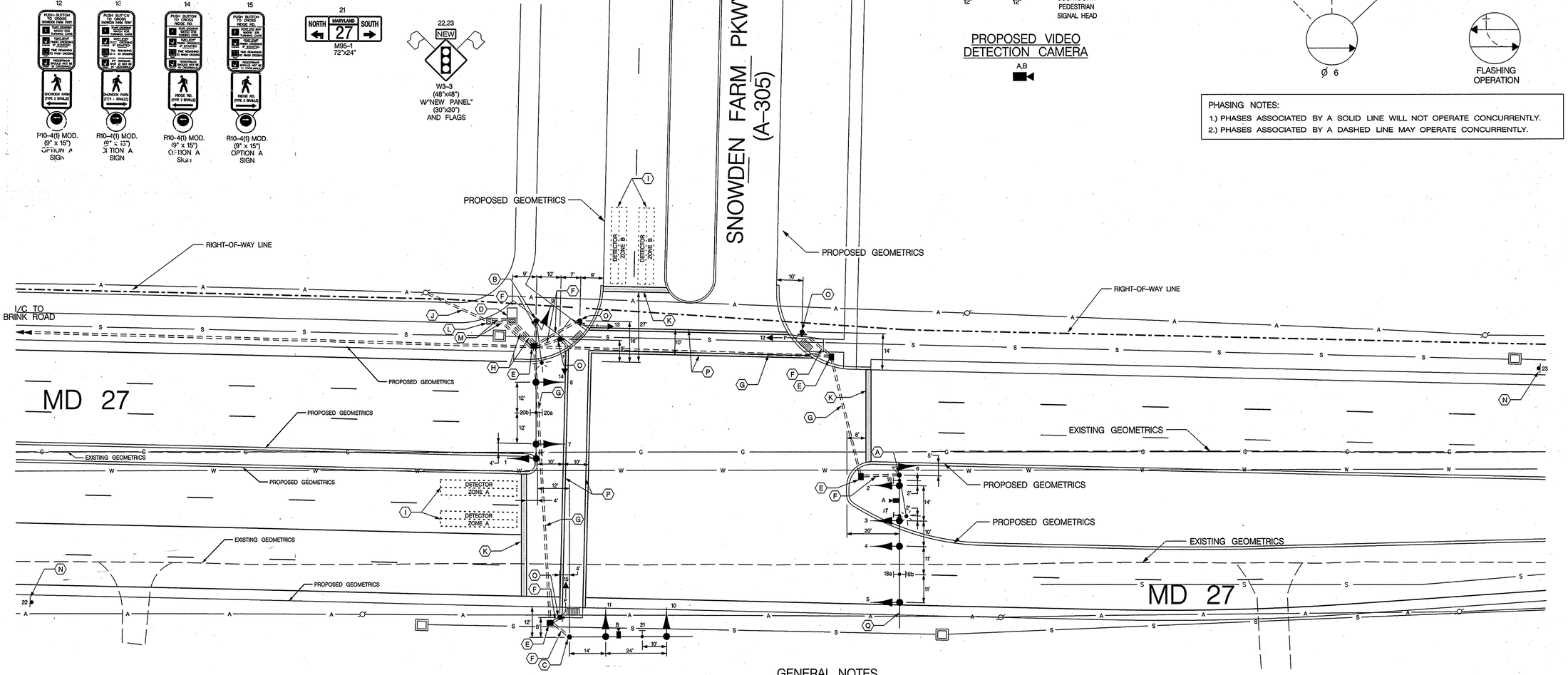
Ø 4 ALT.

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.



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 CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
2. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THTE INSTALLATION OF ALL SIGNAL EQUIPMENT.
3. INSTALL CONDUIT AND DETECTION PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.

CONSTRUCTION DETAILS

A. INSTALL 27 FT. MAST ARM POLE WITH A 60 FT. MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2–3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
B. INSTALL 27 FT. MAST ARM POLE WITH A 60 FT. MAST ARM, SIGNAL HEADS, SIGNS, AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2–3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
C. INSTALL 27 FT. MAST ARM POLE WITH A 50 FT. MAST ARM, SIGNAL HEADS, SIGN, AND VIDEO DETECTION CAMERA (NOTE: INSTALL 2–3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
D. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL OTHER NECESSARY EQUIPMENT (NOTE: INSTALL 2–2 IN. AND 3–4 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
E. INSTALL ELECTRICAL HANDHOLE
F. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – TRENCHED
G. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – SLOTTED
H. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – TRENCHED
I. VIDEO DETECTION ZONE
J. PROPOSED UNDERGROUND ELECTRIC SERVICE
K. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
L. INSTALL METER SERVICE PEDESTAL
M. INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – TRENCHED
N. INSTALL W3-3 SIGN ON TWO 4"x6" WOOD POSTS APPROXIMATELY 400' IN ADVANCE OF THE INTERSECTION
O. INSTALL BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN (NOTE: INSTALL 1–3" SCHEDULE 80,90 DEGREE CONDUIT BEND)
P. INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
Q. CUT, CLEAN, GALVANIZE AND CAP MAST ARM

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923–7101
FAX (410) 923–6473
EMAIL TRAFFIC.CONCEPTS@COMCAST.NET

APPROVALS	
TEAM LEADER	6/11/2007
ASST. DIV. CHIEF	6-14-07
DIVISION CHIEF	6/15/07
OFFICE DIRECTOR	6/25/07

REVISIONS

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN

MD 27 AND SNOWDEN FARM PKWY. (A 305)

SCALE	1"=20'	DATE	4-13-07
CONTRACT NO.	BW996M82		
DESIGNED BY	T ZAYDEL	COUNTY	MONTGOMERY
DRAWN BY	T ZAYDEL	LOGMILE	15002700.44
CHECKED BY	K SCHMID	T.I.M.S. NO.	I- 242
F.A.P. NO.	N/A	TOD NO.	
DRAWING NO.	TS-4564	SHEET NO.	1 OF 8

DRILL HOLES

DRILL HOLES

DRILL HOLES

m:\1700\1753\signal.dgn Apr. 13, 2007 10:53:57