PROPOSED SIGNS

20.22 — LEFT TURN YIELD ON GREEN — R10-12 (36"x 42")

24 — ONLY — R3-5 (30"x 36")

25 — R3-6 MOD (30"x 36")

28 — ONLY — R3-5 (30"x 36")

27 — R3-6 (30"x 36")

19.21 — Gridley — DUAL FACE D-3(1) (VAR. x 16")

23.26 — Veirs Mill — DUAL FACE D-3(1) (VAR. x 16")

MD 586 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION

29 — WEST MARYLAND 586 — SHIELD ASSEMBLY (48"X75")

30 — WEST MARYLAND 586 — SHIELD ASSEMBLY (30"X51")

31 — EAST MARYLAND 586 — SHIELD ASSEMBLY (48"X75")

32 — EAST MARYLAND 586 — SHIELD ASSEMBLY (30"X51")

R10-4(1) MOD (12"x 9") INSTALLED AT CROSSING WITH NO PUSHBUTTON

PROPOSED SIGNALS

1,2, 4,5 — R Y G — 12"

3,6, 9,12 — R Y G — 12"

7,8,10,11 — R Y G — 12"

13,14,15, 16,17,18 — 12"

a-d — PROPOSED VIDEO DETECTION CAMERA

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 ALT Ø3

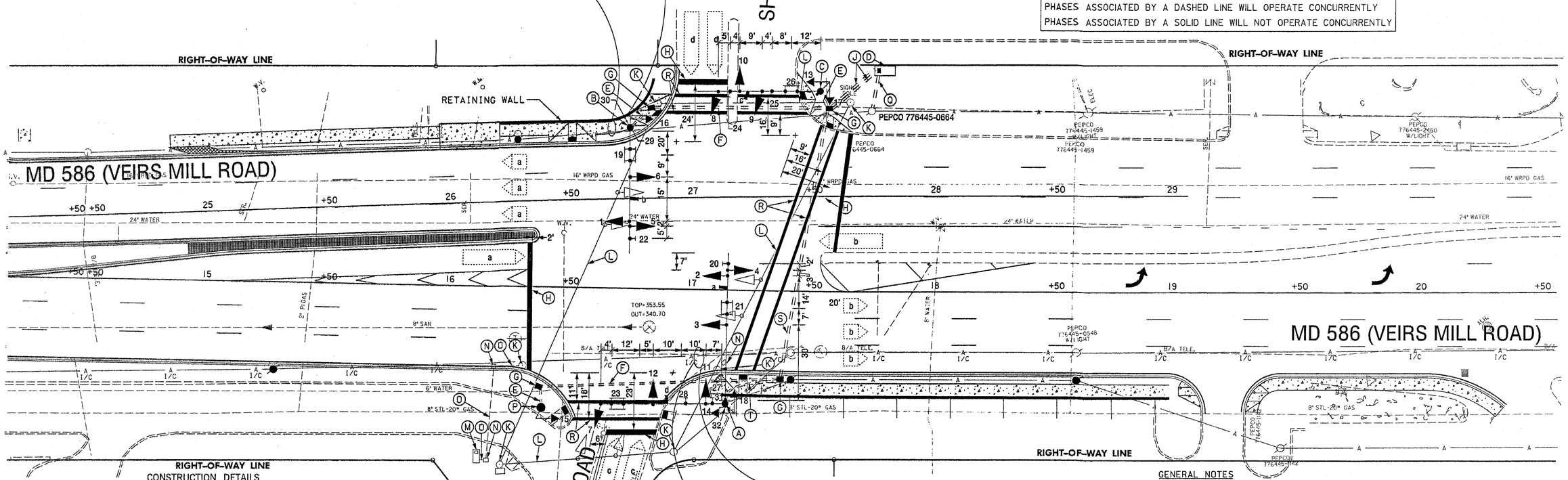
Ø5 Ø6

FLASHING OPERATION

NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

AERIAL CABLE DETAIL

PRIMARY	28' 8"
SECONDARY	25'
TELEPHONE	23' 10"
COMMUNICATION LINE	18' 9"
CABLE TV	17' 5"
GRADE	



AERIAL CABLE DETAIL

PRIMARY	30' +
SECONDARY	28' 10"
INTERCONNECT	28'
COMMUNICATION LINE	18' 10"
GRADE	

RIGHT-OF-WAY LINE CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A SPECIAL 'T' POLE WITH TWIN 50' AND 60' FT. MAST ARMS WITH SIGNAL HEADS, PUSHBUTTON AND SIGN, PEDESTRIAN SIGNAL HEADS, SIGNS, 3 IN WEATHER HEAD AND PROPOSED VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 17+14.5 RT 47.'

B. INSTALL CONCRETE FOUNDATION WITH A SPECIAL "T" POLE WITH SINGLE 50 FT. MAST ARM, SIGNAL HEADS, AND PEDESTRIAN SIGNAL HEADS, PROPOSED VIDEO DETECTION CAMERA .(NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND), STA 16+74 LT 66.

C. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE (CUT TO 21 FT) WITH SINGLE 50 FT. MAST ARM WITH SIGNAL HEADS, PUSHBUTTON AND SIGN, PEDESTRIAN SIGNAL HEADS, SIGNS. PROPOSED VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA 17+51 LT 81'.

D. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO-4 IN. AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS). STA 17+79 LT 91'.

E. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT- TRENCHED.

F. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT- SLOTTED.

G. INSTALL HANDHOLE.

H. INSTALL 24 IN. WHITE, HEAT APPLIED, THERMOPLASTIC PAVEMENT MARKING TAPE FOR STOP LINE.

J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

K. REMOVE EXISTING POLE AND FOUNDATION 12" BELOW GRADE AND BACK FILL.(MONTGOMERY COUNTY FORCES SHALL DISCONNECT AND RELOCATE THE EXISTING INTERCONNECT AND SPLICE BOX BEFORE THE REMOVAL OF THE EXISTING TRAFFIC SIGNAL POLE).

L. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.

M. REMOVE EXISTING BASE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACK FILL.

N. REMOVE EXISTING HANDHOLE.

O. CAP AND ABANDON EXISTING CONDUIT

P. INSTALL CONCRETE FOUNDATION WITH 10' STEEL PEDESTAL POLE, BREAKAWAY BASE AND PEDESTRIAN SIGNAL HEAD AND 1-2" PVC CONDUIT. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR 1 IN. x 40 IN. ANCHOR BOLTS) STA. 16+39 RT. 50'

CONSTRUCTION DETAILS

Q. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED STUB OUT CONDUIT BEND AT BASE OF POWER POLE AND COIL UP 35 FT. OF SLACK CABLE 3 WIRES 1-CONDUCTOR # 4 AWG. (PEPCO# 776445-0664)

R. INSTALL 12 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING TAPE FOR CROSSWALK.

S. INSTALL ONE 2 IN. AND ONE 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.

T. INSTALL ONE 2 IN. AND ONE 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED

GENERAL NOTES

1. VIDEO DETECTION PLACEMENT SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. FOR FINAL PAVEMENT MARKINGS, EXCEPT FOR STOP LINES AND CROSSWALKS, REFER TO THE PROJECT PAVEMENT MARKING PLANS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL.
5. DISCONNECTING AND SPLICING OF INTERCONNECT CABLE SHALL BE PERFORMED BY MONTGOMERY COUNTY FORCES. THE CONTRACTOR SHALL RUN THE INTERCONNECT CABLE INTO THE BASE OF EACH CABINET AND PROPERLY TAG THE CABLE. CONTACT MR. BOB GONZALES OF MCDPWT AT (240) 777-8761 SEVENTY TWO HOURS IN ADVANCE OF THE INTENDED WORK.
6. ALL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT; ANY CONFLICTS WITH THESE UTILITES THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES

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WWW.SABRA-WANG.COM

REVISIONS	APPROVALS
A REBUILD SIGNAL FOR GEOMETRICS CHANGES SHA NO. M08175171 — SWA — 03/03	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

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

MD 586 (VEIRS MILL ROAD)
AND GRIDLEY ROAD

DRAWN BY:	F.A.P. NO.	TS NO. 4235A	SHEET NO.
CHECKED BY:	S.H.A. NO. M08175171		
SCALE: 1" = 20'	COUNTY: MONTGOMERY	T.I.M.S. NO. E905	OF
DATE:	LOG MILE: 15058603.36		

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