MD 28 IS ASSUMED TO RUN IN A EAST / WEST DIRECTION

EXISTING SIGNS

20,23 — LEFT TURN YIELD ON GREEN — R10-12 36"X42"

25 — ONLY — R3-5(L) 30"X 36"

26,28 — R3-2 24"X24"

27,30 — LEFT LANE MUST TURN LEFT — R3-7L 24"X24"

29,31,32 — R4-7 18"X24"

19,21 — W. Montgomery AVE / Great Falls RD — D3-2 DUAL-FACE 32" X VARIABLE

22,24 — Great Falls RD / W. Montgomery AVE — D3-2 DUAL-FACE 32" X VARIABLE

PROPOSED SIGNS

R10-4(1) MOD (12"X9") — INSTALLED AT CROSSING WITH NO PUSHBUTTON

33 — SOUTH MARYLAND 189 — DELETE [1] — SHIELD ASSEMBLY (30"X51")

34 — SOUTH MARYLAND 189 — GROUND MOUNTED [1] — SHIELD ASSEMBLY (48"X75")

35 — WEST MARYLAND 28 — GROUND MOUNTED [1] — SHIELD ASSEMBLY (48"X75")

36 — EAST MARYLAND 28 — DELETE [1] — SHIELD ASSEMBLY (30"X51")

37 — EAST MARYLAND 28 — GROUND MOUNTED [1] — SHIELD ASSEMBLY (48"X75")

EXISTING SIGNALS

7-10 — 8"

3,6 — 12"

2,5 — 12"

1,4 — 12"/8"

PROPOSED SIGNALS

11, 12, 13, 14
15, 16, 17, 18

12"

NEMA PHASING

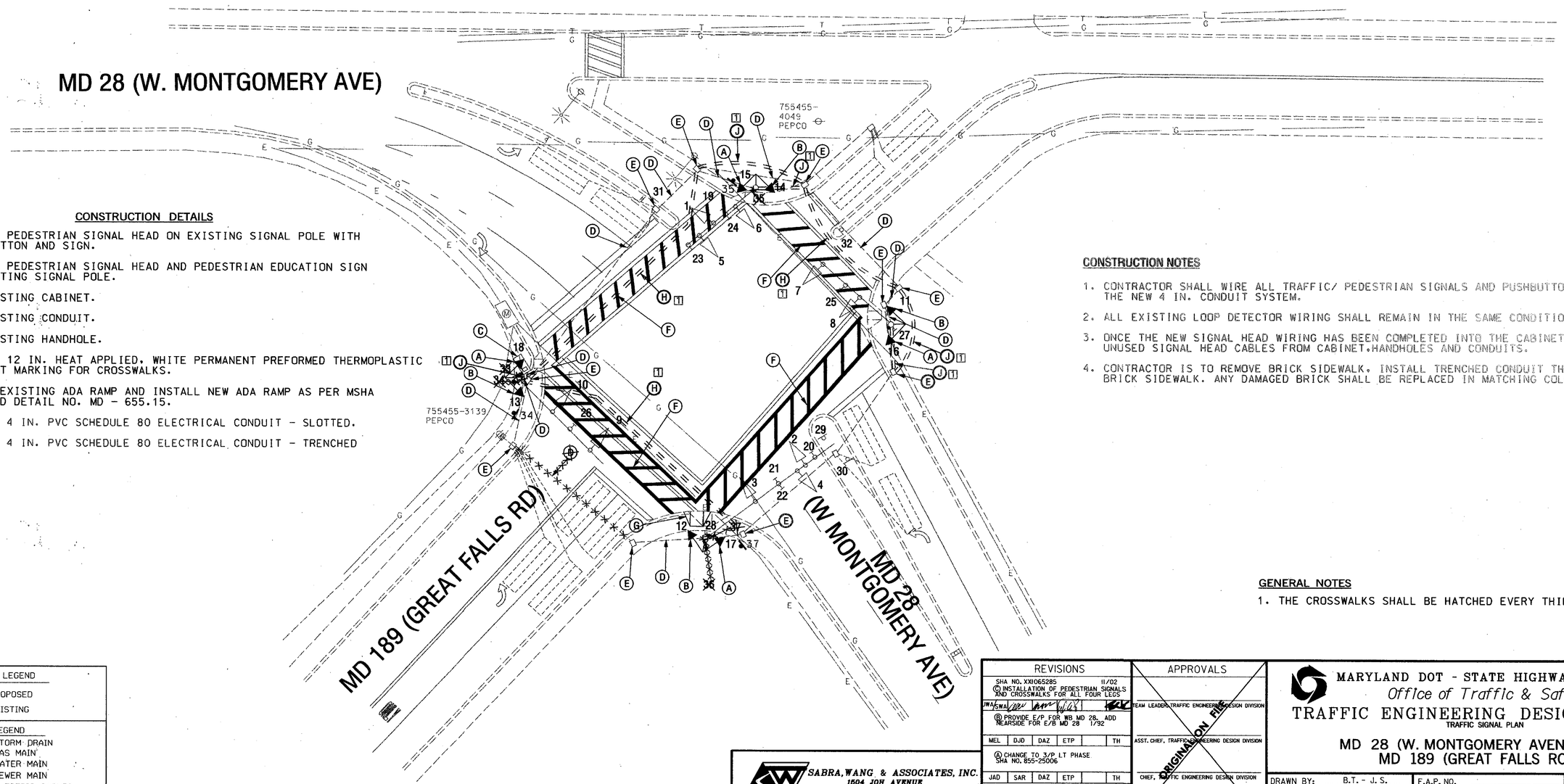
Ø1 Ø2 Ø4 Ø5 Ø6 Ø8

FLASHING OPERATION

Ø4 & Ø8 ALT.

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

MD 28 (W. MONTGOMERY AVE)



CONSTRUCTION DETAILS

A. INSTALL PEDESTRIAN SIGNAL HEAD ON EXISTING SIGNAL POLE WITH PUSHBUTTON AND SIGN.

B. INSTALL PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN EDUCATION SIGN ON EXISTING SIGNAL POLE.

C. USE EXISTING CABINET.

D. USE EXISTING CONDUIT.

E. USE EXISTING HANDHOLE.

F. INSTALL 12 IN. HEAT APPLIED. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.

G. REMOVE EXISTING ADA RAMP AND INSTALL NEW ADA RAMP AS PER MSHA STANDARD DETAIL NO. MD - 655.15.

[1] H. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.

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

CONSTRUCTION NOTES

1. CONTRACTOR SHALL WIRE ALL TRAFFIC/ PEDESTRIAN SIGNALS AND PUSHBUTTONS USING THE NEW 4 IN. CONDUIT SYSTEM.
2. ALL EXISTING LOOP DETECTOR WIRING SHALL REMAIN IN THE SAME CONDITION.
3. ONCE THE NEW SIGNAL HEAD WIRING HAS BEEN COMPLETED INTO THE CABINET REMOVE ALL UNUSED SIGNAL HEAD CABLES FROM CABINET,HANDHOLES AND CONDUITS.
4. CONTRACTOR IS TO REMOVE BRICK SIDEWALK. INSTALL TRENCHED CONDUIT THEN REPLACE BRICK SIDEWALK. ANY DAMAGED BRICK SHALL BE REPLACED IN MATCHING COLOR.

GENERAL NOTES

1. THE CROSSWALKS SHALL BE HATCHED EVERY THIRD LINE (6' GAP).

GEOMETRIC LEGEND

PROPOSED
EXISTING

UTILITY LEGEND

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

SABRA, WANG & ASSOCIATES, INC.
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REVISIONS

SHA NO. XXI065285 11/02
(C) INSTALLATION OF PEDESTRIAN SIGNALS AND CROSSWALKS FOR ALL FOUR LEGS
SWA
(B) PROVIDE E/P FOR WB MD 28. ADD NEARSIDE FOR E/B MD 28 1/92
MEL DJD DAZ ETP TH
(A) CHANGE TO 3/P LT PHASE SHA NO. 855-25006
JAD SAR DAZ ETP TH
(1) REDLINE REVISION NO.1 3/03 PROVIDE NEW 4 IN. CONDUIT
SWA

APPROVALS

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 28 (W. MONTGOMERY AVENUE) AND MD 189 (GREAT FALLS ROAD)

DRAWN BY: B.T. - J. S.	F.A.P. NO.		TS NO. 316C	SHEET NO.
CHECKED BY:	S.H.A. NO.	MO.19456		
SCALE: 1" = 20'	COUNTY:	MONTGOMERY	T.I.M.S. NO. F276	1 OF 2
DATE: 07-16-1975	LOG MILE:	15002821.73		