MD 175 IS CONSIDERED TO RUN IN A EAST - WEST DIRECTION

EXISTING SIGNS

13 — LEFT TURN YIELD ON GREEN — R10-12 36"x 42"

15 — YIELD WHEN TURNING ON GREEN — R1-2C 48" x 36"

16,18 — ONLY — R3-5L 30" x 36"

17 — R3-6 30" x 36"

19 — R3-6(MOD) 36" x 36"

14B / 14A

⇦ Mapes Road	⇦ Charter Oaks Blvd.
Charter Oaks Blvd. ⇨	Mapes Road ⇨

D3-2 (DUAL-FACED) VARIABLE X 32"

PUSH BUTTON TO CROSS MD 175 — MOUNTED WITH EXISTING PUSHBUTTONS

EXISTING SIGNALS

1,4 — R Y G — 12" 8" 8" 8"

2,5 — R Y G — 12"

3,6 — R Y G — 12"

7,9 — R Y G — 12" 8" 8" 8"

8,10 — R Y G — 8"

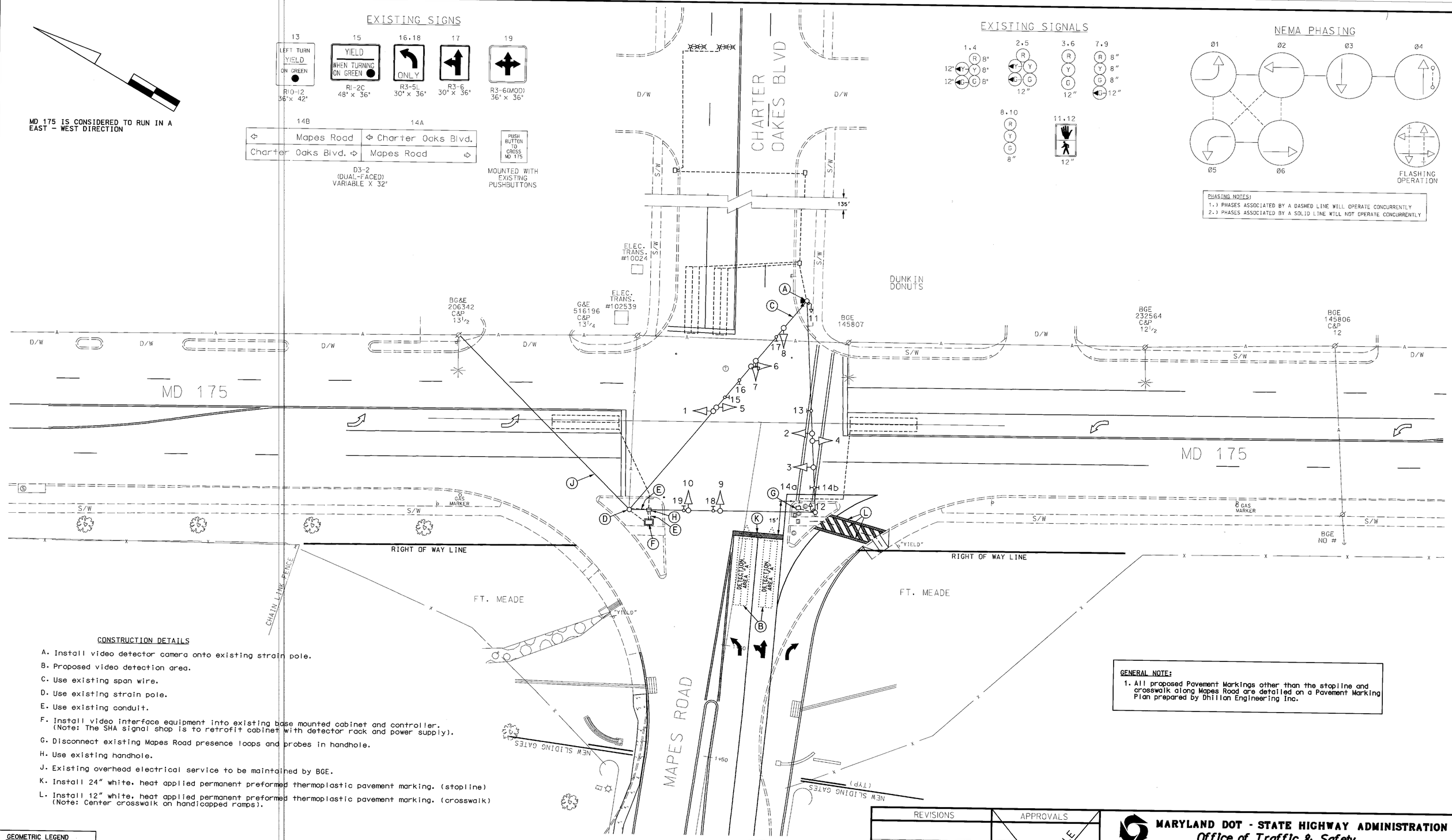
11,12 — 12"

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6

FLASHING OPERATION

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



CONSTRUCTION DETAILS

A. Install video detector camera onto existing strain pole.

B. Proposed video detection area.

C. Use existing span wire.

D. Use existing strain pole.

E. Use existing conduit.

F. Install video interface equipment into existing base mounted cabinet and controller. (Note: The SHA signal shop is to retrofit cabinet with detector rack and power supply).

G. Disconnect existing Mapes Road presence loops and probes in handhole.

H. Use existing handhole.

J. Existing overhead electrical service to be maintained by BGE.

K. Install 24" white, heat applied permanent preformed thermoplastic pavement marking. (stopline)

L. Install 12" white, heat applied permanent preformed thermoplastic pavement marking. (crosswalk) (Note: Center crosswalk on handicapped ramps).

GENERAL NOTE:
1. All proposed Pavement Markings other than the stopline and crosswalk along Mapes Road are detailed on a Pavement Marking Plan prepared by Dhillon Engineering Inc.

GEOMETRIC LEGEND
PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRIC	E
TELEPHONE	T
GAS	G
SEWER	S
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REVISIONS
B 8/25/04 ADD VIDEO DETECTION FOR MAPES ROAD SHA. NO.: BW996M82 RRZ
C 1-20-95 ADD E/P L.T. FOR E.B. MD 175 DJD
B 5-2-82 REDRAWN TO SHOW PROPOSED GEOMETRICS & NEW SIGNAL DESIGN AA306-501-577 TMZ

APPROVALS
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY
ORIGINAL ON FILE

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

MD 175 AND MAPES RD / CHARTER OAK BLVD

DRAWN BY: T M ZAYDEL	F.A.P. NO.	TS NO. TS-162D	SHEET NO.
CHECKED BY:	S.H.A. NO. AA799-X-575	T.I.M.S. NO. G-659	1 OF 2
SCALE: 1"= 20'	COUNTY: ANNE ARUNDEL		
DATE: 5-1-82	LOG MILE: 02017505.30		

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