F. H. WA. REGION NO.	STATE	FED. AID PROJ. NO.	TOTAL SHEETS	STA. SHEETS
3	MD.	SEE TITLE SHEET	NO.	

PROPOSED SIGNS

17 — Research Blvd →

18 — ← Research Blvd

D3 - 2 (16" x VARIABLE) DUAL-FACED

19 — Crofton Hill Ln →

20 — ← Crofton Hill Ln

D3 - 2 (16" x VARIABLE) DUAL-FACED

21 — R3-5(L) — ONLY

22,23 — R3-6

24,25 — R10-12 — LEFT TURN YIELD ON GREEN

26,27,28 — R3-5(R) — ONLY

29,30 — R10-3C — PUSH BUTTON TO CROSS MD 28; START CROSSING WATCH FOR TURNING CARS; DON'T START FINISH CROSSING IF STARTED; PEDESTRIANS SHOULD NOT BE IN CROSSWALK

31 — EAST MARYLAND 28 →

32 — EAST MARYLAND 28 ←

33 — WEST MARYLAND 28 →

34 — WEST MARYLAND 28 ←

35,36,37,38 — Key West Avenue

D3 - 2 (16" x VARIABLE) DUAL-FACED

PROPOSED SIGNALS

1: R, Y, G, G; 8", 8", 8", 12", 12"

2: R, Y, Y, G, G; 12"

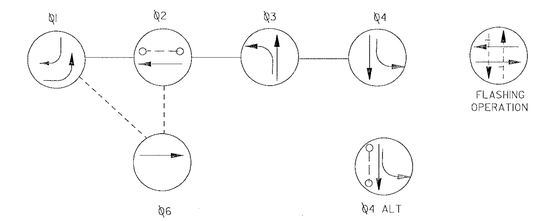
3,4,5,6,9: R, Y, G; 12"

7,8,10,11: R, Y, G, G; 12"

12: R, Y, Y, G, G; 12", 12"

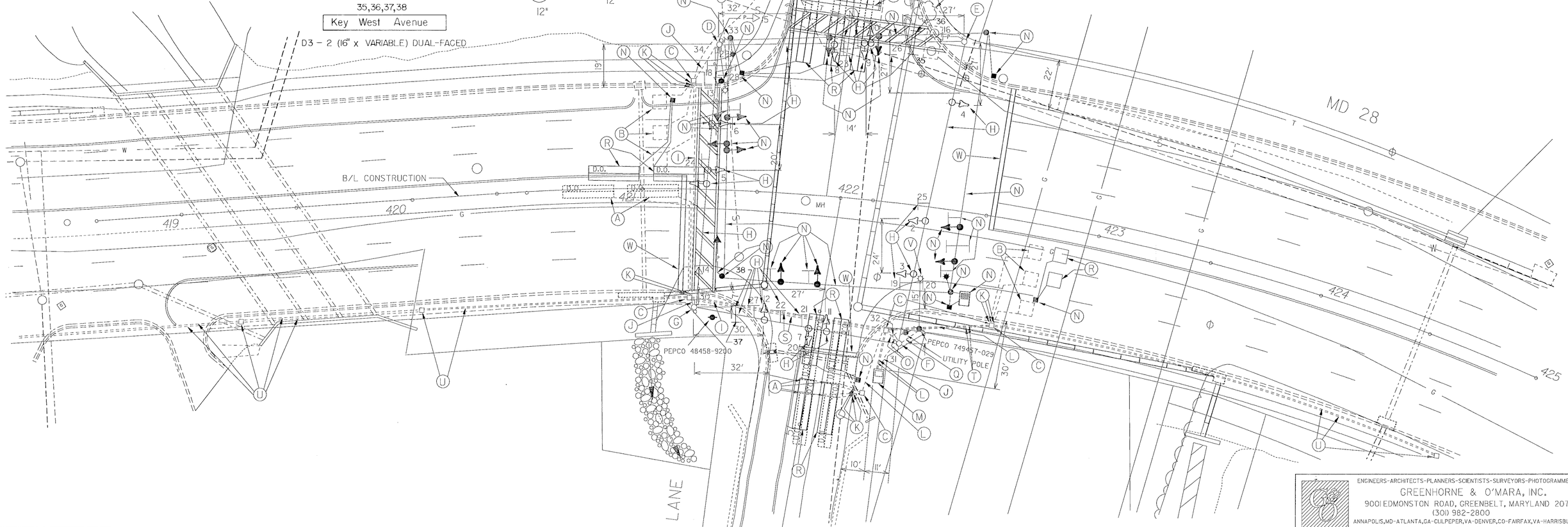
13,14,15,16: 12"

NEMA PHASING



Phasing Notes:

1. Phases associated by a solid line will not operate concurrently.
2. Phases associated by a dashed line will operate concurrently.



ENGINEERS-ARCHITECTS-PLANNERS-SCIENTISTS-SURVEYORS-PHOTOGRAMMETRISTS
GREENHORNE & O'MARA, INC.
9001 EDMONSTON ROAD, GREENBELT, MARYLAND 20770
(301) 982-2800
ANNAPOLIS, MD-ATLANTA, GA-CULPEPER, VA-DENVER, CO-FAIRFAX, VA-HARRISBURG, PA
RALEIGH, NC-ROCKVILLE, MD-TAMPA, FLA-WEST PALM BEACH, FLA

LEGEND

PROPOSED GEOMETRY — OR —
EXISTING GEOMETRY — OR —

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	—A—	—A—
ELECTRIC	—E—	—E—
TELEPHONE	—T—	—T—
GAS	—G—	—G—
STORM SEWER		
WATER	—W—	—W—
CABLE TV	—TV—	—TV—
SEWER	—S—	—S—

GENERAL NOTES

1. PAVEMENT MARKINGS, EXCEPT STOP BARS, ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY, AND ARE TO BE INSTALLED BY THE GENERAL CONTRACTOR. SEE SIGNING AND PAVEMENT MARKING PLANS.
2. "D.O." INDICATES A DELAY-OUTPUT LOOP DETECTOR.
3. LOOP DETECTORS AND CONDUIT IN PAVEMENT AREAS ARE TO BE INSTALLED PRIOR TO THE INSTALLATION OF FINAL PAVEMENT SURFACE.
4. CONTRACTOR SHALL VERIFY LOCATION OF NEW GEOMETRICS PRIOR TO THE NEW POLE CONSTRUCTION.
5. ROUTE MARKER ASSEMBLIES SHALL BE MOUNTED IN ACCORDANCE WITH ALL SHA STANDARDS.

REVISIONS

F	RECONSTRUCTION DUE TO WIDENING M 528-503-371	10-25-93
MAM		
E	RECONSTRUCTION DUE TO GEOMETRIC CHANGES S.H.A. NO. BW-254-802-312	8-30-89
RRZ		
D	RECONSTRUCTION DUE TO WIDENING OT-3-88	11-87
DCD		

APPROVALS

ORIGINAL ON FILE

CHIEF, SIGN DESIGN SECTION

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION - OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

LOG # 15002820.34

DRAWN BY: S. FOSTER
DES. BY: W.F. FITCH
CHK. BY: W.F. FITCH

MD 28 AND RESEARCH BOULEVARD / CROFTON HILL LANE

COUNTY: MONTGOMERY

DATE: 4-23-93 F.A.P. NO.
SCALE: 1" = 20' S.H.A. NO.

TS/FILE NO. TS-545F

SHEET NO. 1 OF 1