F H W A REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

SIGNS

US 301 IS ASSUMED TO RUN IN A NORTH–SOUTH DIRECTION

22 — M3-1 (30" X 15") NORTH; M1-4 (45" X 36") 301; M6-1 (24" X 30")

20 — SOUTH 301; M3-3 (24" X 12"); M1-4 (30" X 24"); M6-1 (21" X 15")

ASSOCIATED SHIELD ASSEMBLY (48" X 75")

19 — NEW; TEMPORARY SIGN W3-3 NEW 36" X 36"

10,11,14,15 — NEW; TEMPORARY SIGN W3-3 NEW 48" X 48"

9,13 — Heathermore Blvd. / NEXT SIGNAL; D3-2 (MOD) VARIABLE X 32"

21 — Blue Star Memorial Hwy.; D3-2 VARIABLE X 16"

12,18 — Heathermore Blvd.; D3-2 VARIABLE X 16"

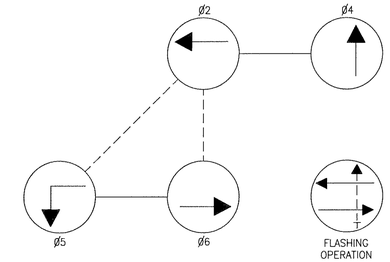
16,17 — ONLY; R 3-5(L) 30"X 36"

SIGNALS

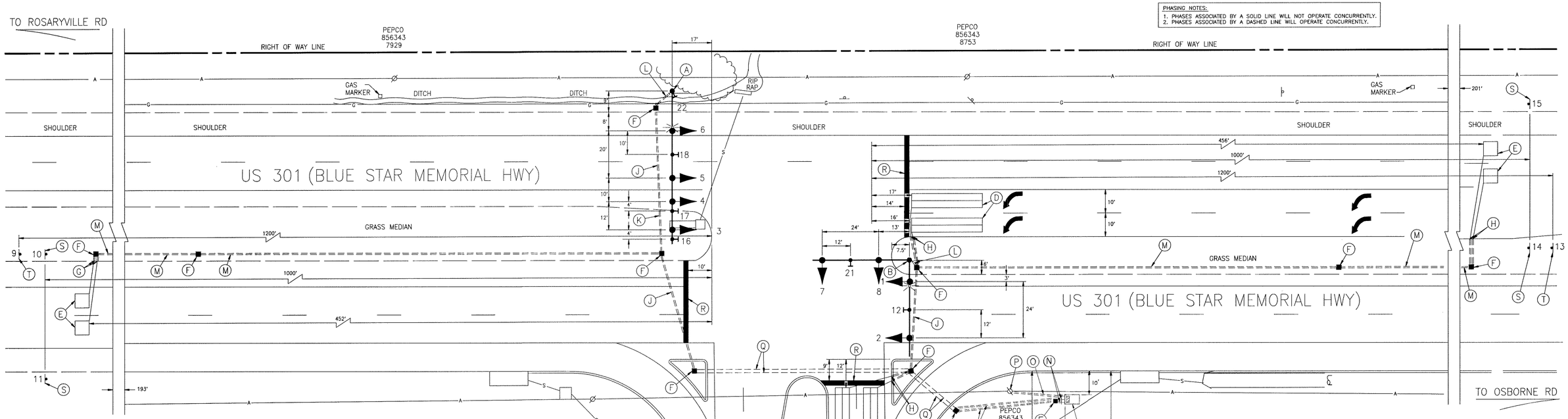
1,2,5–8 — R, Y, G 12"

3,4 — R, Y, G 12"

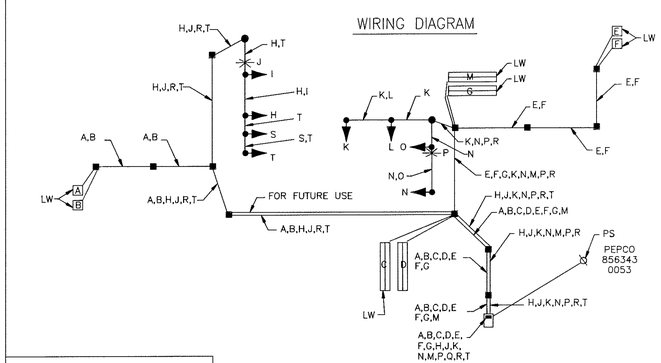
NEMA PHASING



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



WIRING DIAGRAM



WIRING KEY

A, B, E, F, G, H	2-CONDUCTOR ELECTRICAL CABLE (NO.14 A.W.G.) (ALUMINUM SHIELDED)
I, J, K, L, M, T	5-CONDUCTOR ELECTRICAL CABLE (NO.14 A.W.G.)
N, O, P	7-CONDUCTOR ELECTRICAL CABLE (NO.14 A.W.G.)
J, P	2-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.) TYPE THHN TRAY CABLE
Q	3-WIRE ELECTRICAL CABLE (NO. 4 A.W.G.)
R	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
LW	LOOP WIRE (NO.14 A.W.G.)
PS	PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY PEPCO

PHASE CHART

	1	2	3	4	5	6	7	8
PHASE 2 & 5	R	R	G	G	G	G	R	R
5 CHANGE	R	R	Y	Y	G	G	R	R
PHASE 2 & 6	G	G	R	R	G	G	R	R
PHASE 2 & 6 CHANGE	Y	Y	R	R	Y	Y	R	R
PHASE 4	R	R	R	R	R	R	G	G
PHASE 4 CHANGE	R	R	R	R	R	R	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R

GEOMETRIC LEGEND

PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

GENERAL NOTES:

1. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with S.H.A. standards.
2. "D.O." indicates a delay–output loop detector.
3. The loop detectors and conduit are to be installed prior to the installation of the pavement markings.

STREET TRAFFIC STUDIES, LTD.
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2643

REVISIONS

APPROVALS

CHIEF, SIGNAL DESIGN SECTION

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC AND SAFETY

MDOT – STATE HIGHWAY ADMINISTRATION

Office of Traffic and Safety

TRAFFIC ENGINEERING DESIGN DIVISION

DRAWN BY: W J NIES (FOR STS)
DES. BY: R R ZACHERL (FOR STS)
CHK. BY:

US 301 (BLUE STAR MEMORIAL HWY) AND HEATHERMORE BLVD
COUNTY PRINCE GEORGE'S

DATE: 10-6-95
SCALE: 1"= 20'
F.A.P. NO.
S.H.A. NO. BW 841-802-312

TS/STD. NO. 3565

SHEET NO. 1 OF 1