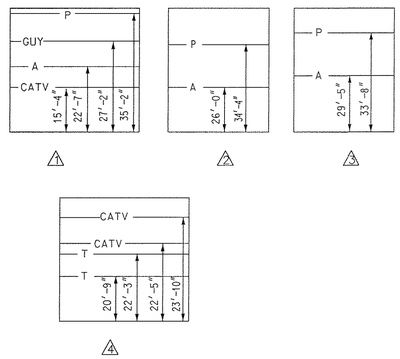
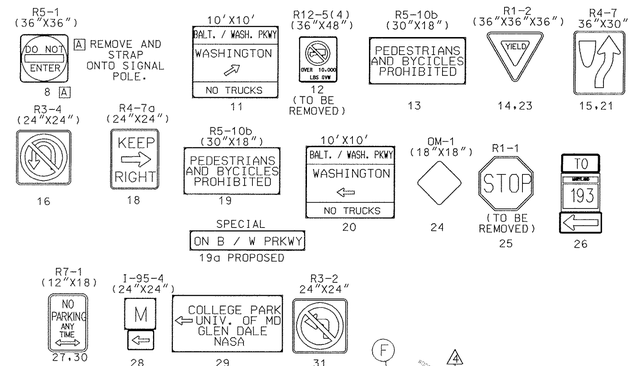
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD		1	4

MD 193A (SOUTHWAY) IS ASSUMED TO RUN EAST /WEST

OVERHEAD WIRE HEIGHTS

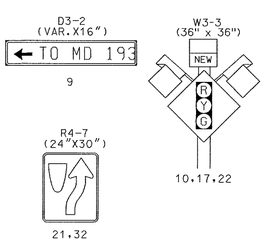


EXISTING SIGNS

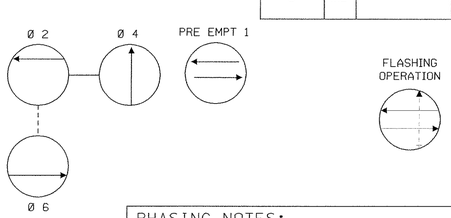


PROPOSED SIGNALS

PROPOSED SIGNS

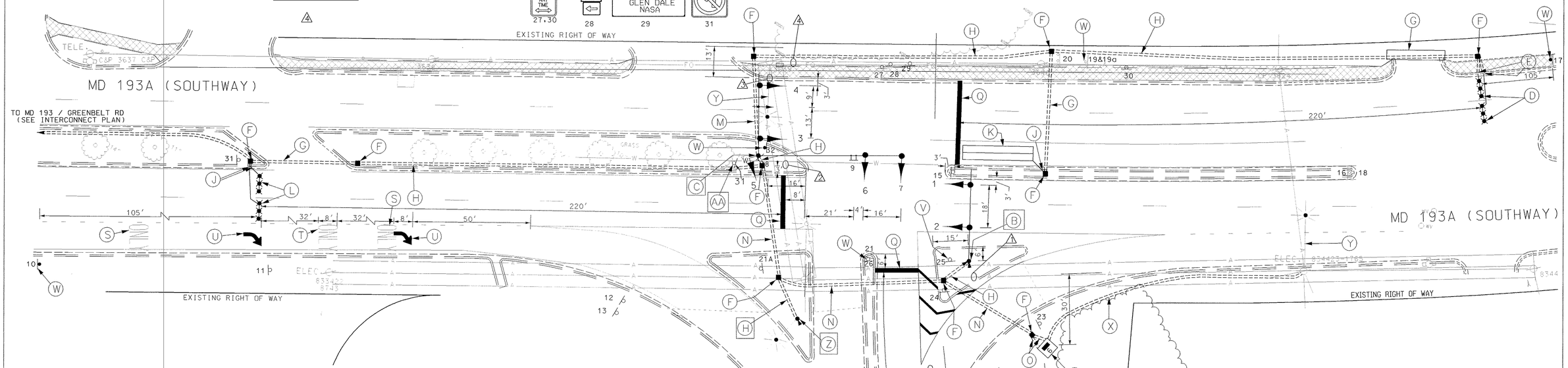


NEMA PHASING



PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. Install base mounted Controller & Cabinet (Size 6) and control & distribution equipment for underground electrical service as shown. (Note: Two-4 in PVC Schedule 80, one-2 in. and one - 3 in. PVC schedule 80 conduit bends).

B. Install 27 ft. steel pole (cut to 21 ft.) with a single 38 ft. mast arm, 2 autoscope cameras, signal heads and signs as shown. (Note: four- 1-1/2 in. x 60 in. anchor bolts, and one-2 in. PVC schedule 80 conduit bend).

C. Install 27 ft. steel pole (cut to 21 ft. with twin 50 ft. / 60 ft. mast arms (50 ft mast arm shall be cut to 34 ft), signal heads, signs, and opticom detector eye as shown. (Note: four-1 3/4in. x 90 in. anchor bolts and one-2 in. PVC schedule 80 conduit bend).

D. Install microloop probe set with a 1000 ft. a lead-in cable.

E. Install 1 in. galvanized steel conduit for detector wire sleeve.

F. Install electrical handhole.

G. Install 2 in. PVC schedule 80 electrical conduit-bored.

H. Install 2 in PVC schedule 80 electrical conduit-trenched.

J. Install 1 in. liquid tight, flexible, non-metallic conduit for detector wire sleeve.

K. Install 6 ft. x 30 ft. quadruple loop detector (3-6-3 turns) encased in flexible tubing.

L. Install microloop probe with a 500 ft. a lead-in cable.

M. Install 3 in. PVC schedule 80 electrical conduit-bored.

N. Install 4 in. PVC schedule 80 electrical conduit-bored.

O. Install 4 in PVC schedule 80 electrical conduit-trenched.

P. Deleted.

Q. Install 24 in. white theroplastic pavement marking tape.

R. Install 6 ft. X 22 ft. quadruple loop detector (3-6-3 turns) encased in flexible tubing.

S. Remove existing pavement marking letter.

T. Install white thermoplastic pavement marking letter.

U. Install white thermoplastic pavement marking arrow.

V. Remove existing ground mounted sign.

W. Install ground mounted sign.

X. Install 3 in. PVC schedule 80 electrical conduit - trenched.

Y. Install lighting arm and luminaire on existing wooden pole. (by SHA forces).

Z. Install 40 ft lighting structure with a 10 ft. lighting arm, 250 W HPS luminaire and autoscope camera with zoom control (Note: one - 2 in. PVC schedule 80 conduit bend).

AA. Relocate existing sign.

EXISTING SIDEWALK

UTILITY LEGEND

T	TELEPHONE CABLES
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
BC	BURIED CABLE
SD	STORM DRAIN
FO	FIBER OPTIC CABLE

GEOMETRIC LEGEND

EXISTING GEOMETRICS

PROPOSED GEOMETRICS

GENERAL NOTES

1. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH SHA STANDARDS.
2. THE LOOP DETECTORS AND CONDUITS MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
3. THE SHA WILL APPROVE THE AIMING OF THE AUTOSCOPE CAMERAS.

A RED LINE REVISION

TASK 23 STS

REVISIONS	APPROVALS
A 1/11/99 AW2775185 RELOC. STRUCTURE& LOOPS, FOR CAMERAS ON RAMP	ASST. DIVISION CHIEF, TEDD
STS	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

CONSULTING ENGINEERS
COLUMBIA, MARYLAND

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

MD 193A (SOUTHWAY) AT SOUTHBOUND BALTIMORE/WASHINGTON PARKWAY RAMPS

LOG MILE 160193A0.15 — DATE 6/15/98

DRAWN BY: R CICCHINI	F.A.P. NO. AC-STPG-000S(588)E	TRAFFIC SIGNAL NO.:	SHEET NO.
CHECK BY: D PETERS	S.H.A. NO. AW 2775185	3755A	1 OF 3
SCALE: 1"=20'	COUNTY PRINCE GEORGE'S		