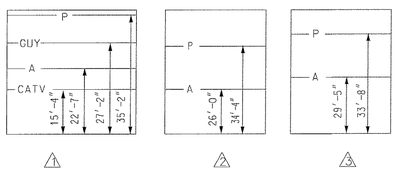
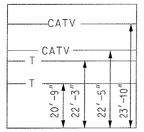
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD		1	4

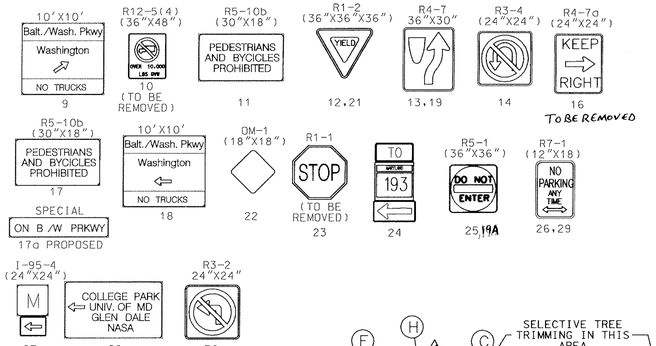
OVERHEAD WIRE HEIGHTS



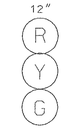


MD 193A (SOUTHWAY) IS ASSUMED TO RUN EAST /WEST

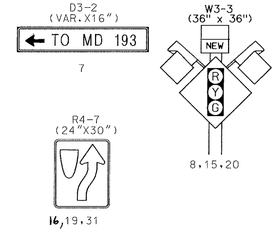
EXISTING SIGNS



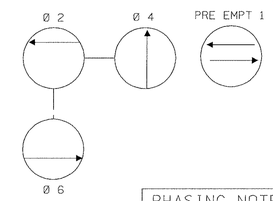
PROPOSED SIGNALS

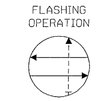


PROPOSED SIGNS



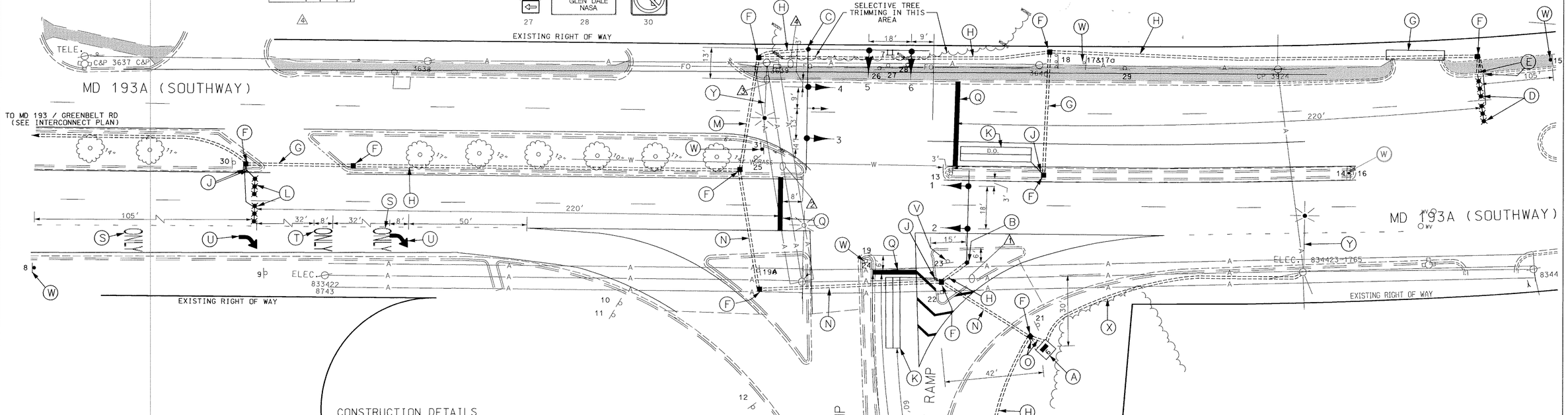
NEMA PHASING





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, signal heads and signs as shown. (Note: four- 1-½ 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. mast arms, signal heads, signs, and opticom detector eye as shown. (Note: four-1¾in. x 90 in. anchor bolts and one-2 in. PVC schedule 80 conduit bend. Installation shall also require selective tree trimming).

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).

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. 'D.O.' INDICATES DELAY OUTPUT LOOP DETECTOR.
3. THE LOOP DETECTORS AND CONDUITS MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.

TYDEL CONSULTING ENGINEERS COLUMBIA, MARYLAND

REVISIONS

APPROVALS	
ASST. DIVISION CHIEF, TEDD	6/31/98
ASST. DISTRICT ENGINEER, TRAFFIC	3/31/98
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	9/14/98
DIRECTOR, OFFICE OF TRAFFIC & SAFETY	

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.: 3775	SHEET NO. 1 OF 3
CHECK BY: D PETERS	S.H.A. NO.	AW277A5H/B5H		
SCALE: 1"=20'	COUNTY	PRINCE GEORGE'S		

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