F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	NH-G-117-1(36)E	14	31

CONSTRUCTION DETAILS

A. Install 27 ft steel pole and 58 ft mast arm with a - 20 ft street light arm, 250 watt HPS lamp and luminaire, signals and signs as shown (Note: 1-2 in. 90 degree PVC schedule 40 conduit bend and four 2 in. x 90 in. anchor bolts D3-2 sign to be mounted 16' above grade).

B. Install 27 ft steel pole with twin 38 ft and 30 ft mast arms with two 20 ft street lighting arms, 250 watt HPS lamp and luminaire, signals and signs as shown (Note: 1-2 ft 90 degree PVC schedule 40 conduit bend) and four - 1 3/4 in. x 90 in. Anchor Bolts).

C. [1] Install 21 ft steel pole and 40 ft mast arm with ~~"Red Signal Ahead" signal~~ Signals, Signs, W3-3 sign, and pole mounted cabinet as shown (Note: 1-2 in. 90 degree PVC schedule 40 conduit bend) and four 1 3/4 in. x 90 in. Anchor Bolts.

D. Remove existing strain pole, signs, lighting arm, and two-circuit flasher and pole mounted cabinet.

E. Install base mounted cabinet and controller with all necessary equipment (Note: 1-2 in., 1-4 in. 90-degree PVC schedule 40 conduit bends, and 1-3 in. 90-degree PVC schedule 80 conduit bend).

F. Install 6 ft x 6 ft loop detector (3 turns) encased in flexible tubing.

G. Install 6 ft x 30 ft (Quadrupole) loop detector (2-4-2 turns) encased in flexible tubing.

H. Install 1 in. liquid tight flexible non-metallic conduit - for loop detector sleeve.

J. Install traffic handhole.

K. Install 2 in. polyvinyl chloride electrical conduit (schedule 40) - Trenched.

L. Remove existing strain pole, lighting arm, and sign.

M. Install 3 in. polyvinyl chloride electrical conduit (schedule 80) - Slotted.

N. Remove existing span wire and signal heads.

O. Install Two - 4 in. polyvinyl chloride electrical conduit (schedule 40) - Trenched.

P. Install Ground Mounted Sign(s).

Q. Install 24 in. white permanent preformed pavement marking tape.

R. Remove/grind existing 24 in. White pavement marking (stop line), and 4 in. yellow lane line.

S. Remove existing sign(s).

T. Install 8 in. Yellow permanent preformed pavement marking tape.

U. Install 3" PVC schedule 40 electrical conduiut - Trenched.

V. Install 8 in. white preformed permanent pavement marking tape.

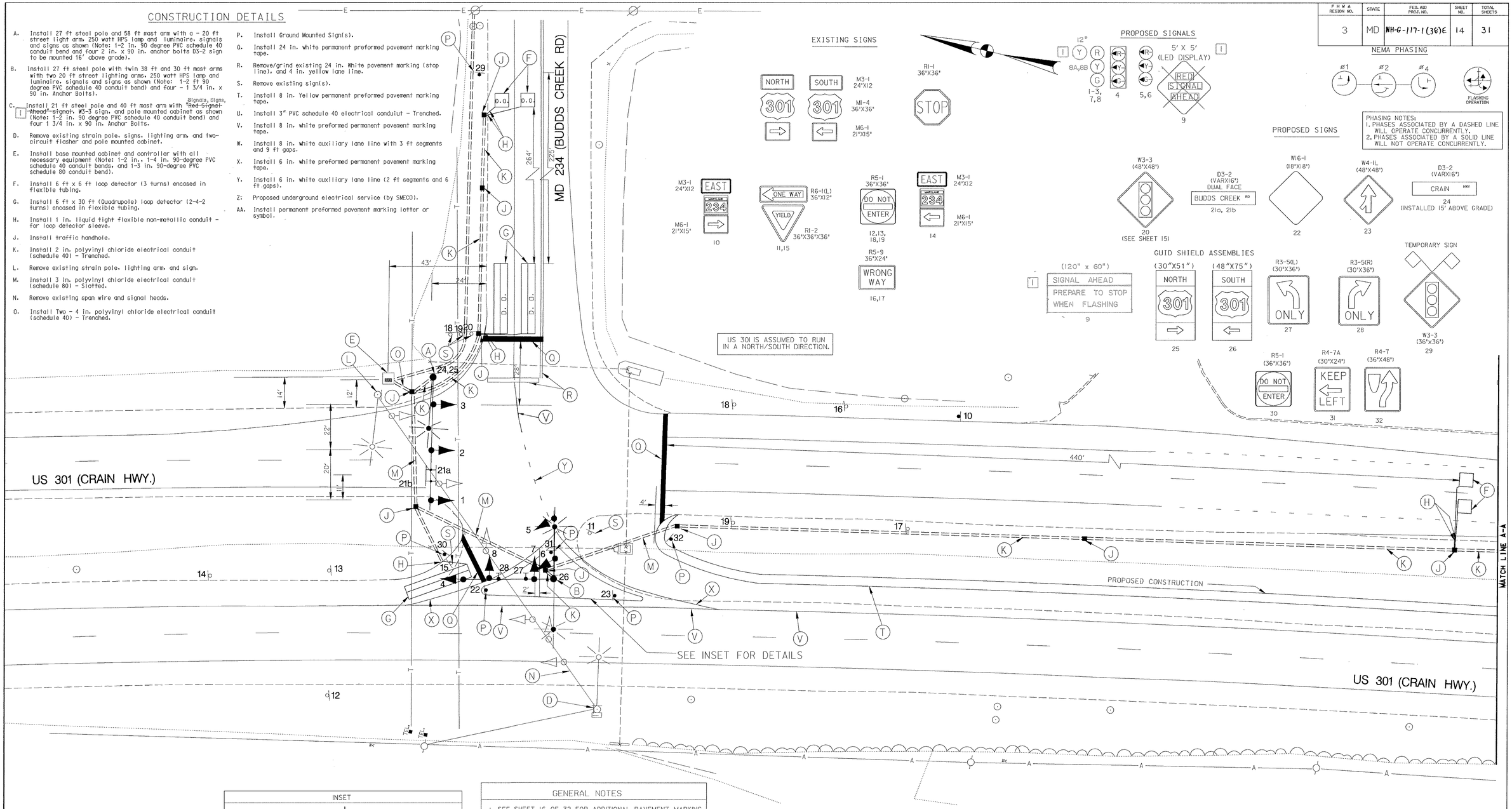
W. Install 8 in. white auxiliary lane line with 3 ft segments and 9 ft gaps.

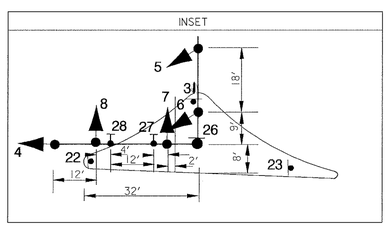
X. Install 6 in. white preformed permanent pavement marking tape.

Y. Install 6 in. white auxiliary lane line (2 ft segments and 6 ft gaps).

Z: Proposed underground electrical service (by SMECO).

AA. Install permanent preformed pavement marking letter or symbol.





GENERAL NOTES

1. SEE SHEET 16 OF 32 FOR ADDITIONAL PAVEMENT MARKING DETAILS.
2. THE LOOP DETECTORS AND CONDUITS MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
3. HANDOLES ARE TO BE SPACED 200 FEET APART.
4. SEE SHEET 2 FOR DETAILS OF PROPOSED CONSTRUCTION.
5. D.O. DENOTES DELAYED OUTPUT.

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

GEOMETRIC LEGEND

- - - - - -	EXISTING GEOMETRICS
———	PROPOSED GEOMETRICS

CONSULTING ENGINEERS
COLUMBIA, MARYLAND

REVISIONS	APPROVALS
[1] REDLINE REVISIONS 10/96	CHIEF, SIGNAL DESIGN SECTION 6/19/95
	ASST. DISTRICT ENGINEER, TRAFFIC 6/20/95
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION 6/22/95
	DEPUTY CHIEF ENGINEER, OFFICE OF TRAFFIC

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

ORIGINAL DRAWN BY: R. CICCHINI
DES. BY: D. PETERS
CHK. BY: 6-19-95

US 301 AT MD 234

LOG MILE # 0803010 5.80 COUNTY: CHARLES

DATE: JUNE, 1995 F.A.P. NO. NH-G-117-1(38)E
SCALE: 1" = 20' S.H.A. NO. CH-660-501-585

TS/FILE NO. 3522

SHEET NO. 14 OF 31