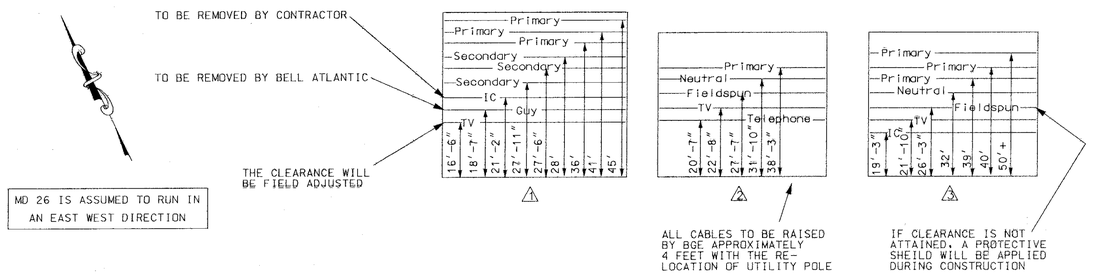
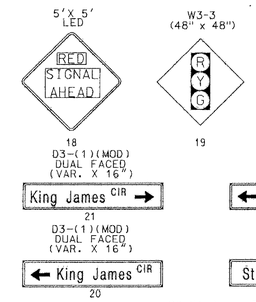
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

OVERHEAD WIRE HEIGHTS

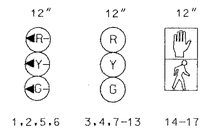


MD 26 IS ASSUMED TO RUN IN AN EAST WEST DIRECTION

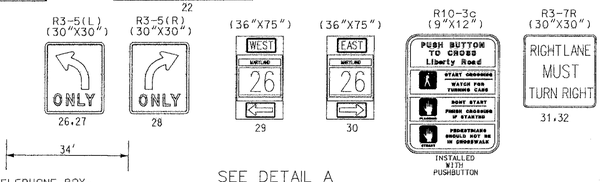
EXISTING SIGNS



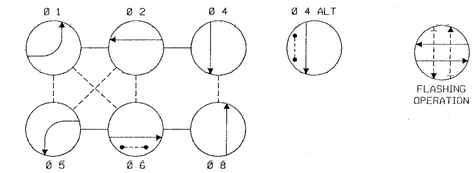
PROPOSED SIGNALS



PROPOSED SIGNS

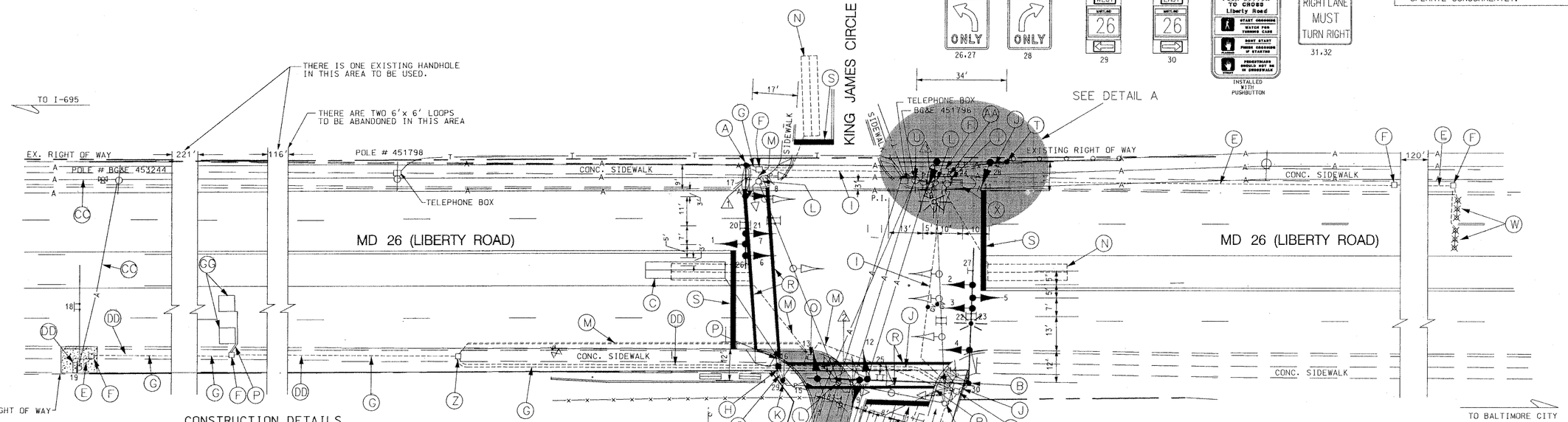


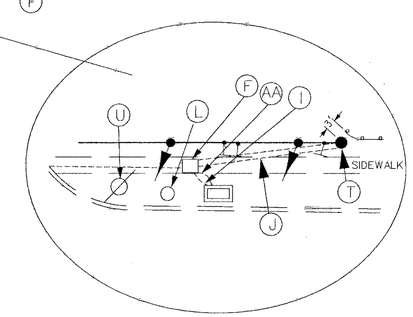
NEMA PHASING



PHASING NOTES:

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





DETAIL A

CONSTRUCTION DETAILS

A. Install a 21 ft. Steel pole with a 38 ft. mast arm, signal heads, push button pedestrian signal and signs. (Note: Two - 2 in. PVC schedule 80 conduit bend and four - 2 in. x 90 in. anchor bolts)

B. Install a 27 ft. Steel pole with a twin 60 ft. / 50 ft. mast arm (cut and cap at 45'), signal heads, sign, push button pedestrian signal and a 20 ft. lighting arm with a 250 watt HPS lamp and luminaire. (Note: Two - 2 in. PVC schedule 80 conduit bend and four - 2 in. x 90 in. anchor bolts)

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

D. Install 5 ft. x 30 ft. quadruple loop detector (3-6-3 turns) encased in flexible tubing. (Prior to final roadway surface course

E. Use existing 2 in. conduit.

F. Use existing handhole.

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

H. Install electrical handhole.

I. Use existing 4 in. conduit.

J. Install 3 in. PVC schedule 80 electrical conduit - slotted.

K. Install a 10 ft. pedestal pole with breakaway base support system pedestrian signal heads. (Note: One- 2 in. PVC schedule 80 electrical conduit and four- 1 in. x 40 in. anchor bolts.

L. Remove and dispose of existing strain pole, foundation and signal heads.

M. Cap and abandon existing conduit.

N. Maintain existing loop detector and resplice to new 2 conductor aluminium shielded cable.

O. Remove existing handhole.

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

Q. Remove existing pavement markings.

R. Install 12 in. white permanent preformed pavement marking tape.

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

T. Install a 21 ft. Steel pole with a 38 ft. mast arm, signal heads, and signs. (Note: Two - 2 in. PVC schedule 80 conduit bend and four - 2 in. x 90 in. anchor bolts)

U. Use existing power service feed and interconnect connection.

V. Install micro-loop probe set.

W. Use existing micro-loop probe set.

X. Use existing controller. Install one - 4 in PVC schedule 80 conduit bend.

Y. New location of BGE poles to be relocated with road project Raise the heights of existing cables by 5'-6" at this pole.

Z. Use existing handhole. Pull back the HIB Interconnect cable from the abandoned conduit and redirect through the new conduit.

AA. Install 4 in. PVC Schedule 80 electrical conduit- trenched.

BB. New location of BGE poles to be relocated with road project.

CC. Reroute existing interconnect cable from Essex road intersection to HIB controller.

DD. Run a new interconnect cable underground to the controller at the intersection of MD 26 and St. Lukes Lane.

EE. Install permanent preformed pavement marking arrow.

FF. Install permanent pavement marking letters "ONLY".

GG. Install 6ft. x 6ft. loop detector encased in 1/4 in. flexible tubing (4 turns).

HH. Install ground mounted sign

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

GENERAL NOTES

1. ALL TRAFFIC SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
2. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH SHA STANDARDS.
3. "D.O." INDICATES DELAY OUTPUT LOOP DETECTOR.
4. THE LOOP DETECTORS AND CONDUITS MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
5. CONTRACTOR MUST VERIFY LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
6. PRIOR TO ROADWAY CONSTRUCTION, CONTRACTOR MUST REFER TO ROADWAY PLANS FOR CONDUITS AND HANDBOXES.

REVISIONS

BW278M83

B	RECONSTRUCT TRAF. SIGNAL W/ GEO. IMPROVEMENTS BY BALT. COUNTY (BW#)	6/99	
A	ADD H.I.B. FOR EASTBOUND MD 26 SHA # 2805185	8/98	

DANIEL CONSULTANTS /TRAFFIC CONCEPTS JOINT VENTURE
8950 ROUTE 108 EAST
COLUMBIA, MARYLAND

APPROVALS

ASST. DIVISION CHIEF, TEDD
ASST. DISTRICT ENGINEER, TRAFFIC
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

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

MD 26 (LIBERTY ROAD) at ST. LUKES LANE / KING JAMES CIRCLE

LOG MILE • Q3002609.31 DATE 12/21/97

DRAWN BY: BALT. COUNTY	F.A.P. NO.		PLAN SHEET NO.:	SHEET NO.
CHECK BY: BALT. COUNTY	S.H.A. NO.	BW278M83	TS 3828B	1 OF 2
SCALE: 1"=20'	COUNTY	BALTIMORE		