F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	SEE TITLE SHEET	417	529

Construction Details

MD 104 IS ASSUMED TO RUN IN A NORTH / SOUTH DIRECTION

A. Install 12 in. x 30 ft. steel strain pole and a 20 ft. lighting arm with a 250 watt HPS lamp and luminaire. (Note: one-2 in. pvc schedule 40 conduit bend and four-1¾" x 90" anchor bolts).

B. Install 12 in. x 30 ft. steel strain pole. (Note: one-2 in. pvc schedule 40 conduit bend and four-1¾" x 90" anchor bolts).

C. Install 12 in. x 30 ft. steel strain pole and pole mounted controller and cabinet.(Note: one-3 in. pvc schedule 40 conduit bend and four-1¾" x 90" anchor bolts).

D. Install electrical handhole.

E. Install 24 in. white permanent preformed pavement marking tape - stop line.

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

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

H. Install 3 in. pvc schedule 40 conduit - trenched.

J. Install ⅜ in. steel span wire, ¼ in. steel tether wire, signal heads and signs as shown. (Note: tether sign)

K. Install 1 in. liquid tight flexible non-metallic detector wire sleeve.

L. DELETED.

M. Install ground mounted sign.

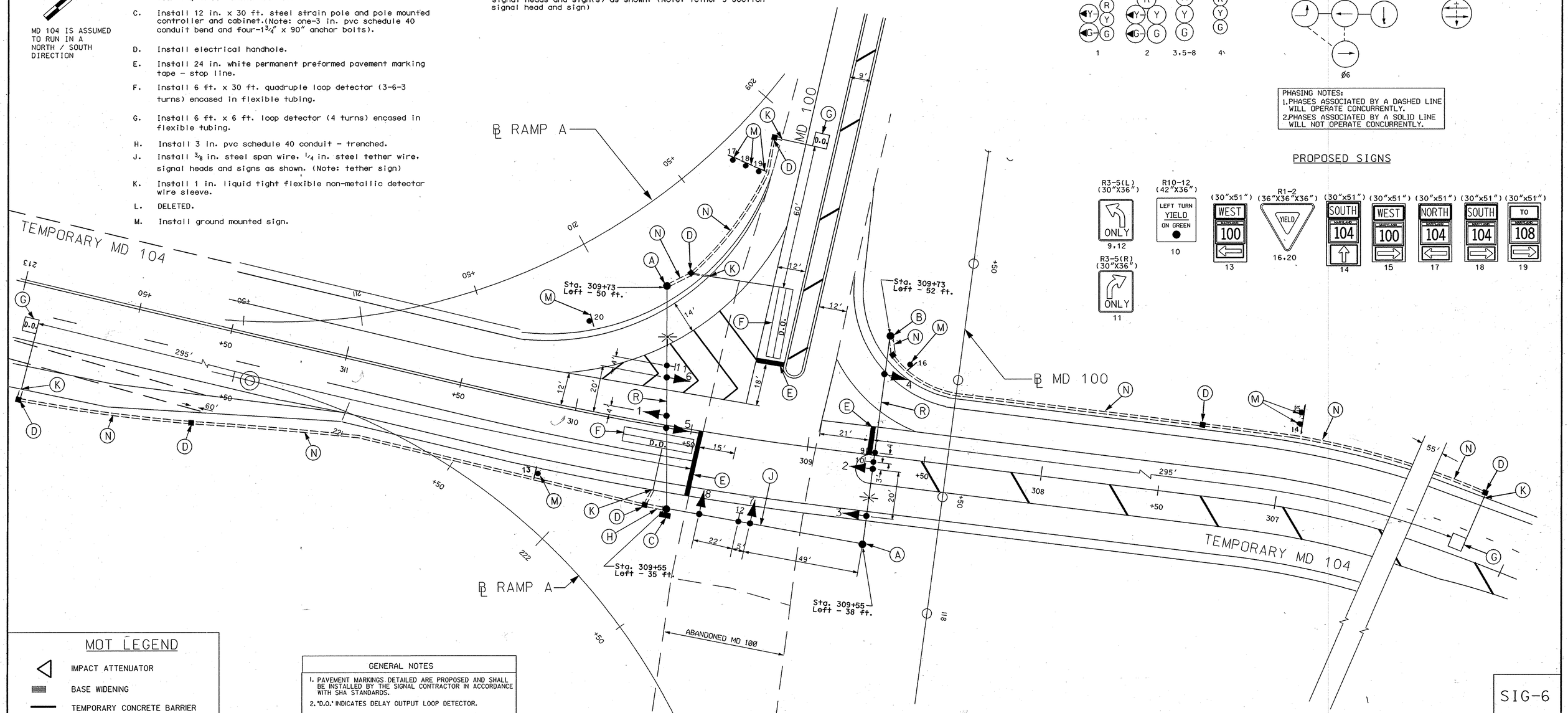
N. Install 2 in. PVC schedule 40 electrical conduit - trenched

O. DELETED.

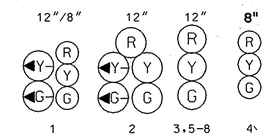
P. DELETED.

Q. DELETED.

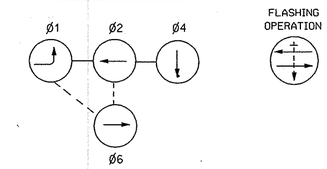
R. Install ⅜ in. steel span wire, ¼ in. steel tether wire, signal heads and sign(s) as shown. (Note: tether 5 section signal head and sign)



PROPOSED SIGNALS



NEMA PHASING



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

PROPOSED SIGNS

MOT LEGEND

- IMPACT ATTENUATOR
- BASE WIDENING
- TEMPORARY CONCRETE BARRIER
- TYPE III BARRICADE

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. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND SHALL BE INSTALLED BY THE SIGNAL CONTRACTOR IN ACCORDANCE WITH SHA STANDARDS.
2. 'D.O.' INDICATES DELAY OUTPUT LOOP DETECTOR.
3. THE LOOP DETECTORS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
4. CONTRACTOR MUST VERIFY THE LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
5. ALL PROPOSED TRAFFIC SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
6. REFER TO MAINTENANCE OF TRAFFIC PLANS FOR ADDITIONAL DETAILS OF MAINTENANCE OF TRAFFIC.
7. ALL EXISTING TRAFFIC SIGNALS, EQUIPMENT, LOOP DETECTORS AND CONDUITS SHALL BE **ABANDONED** UNLESS OTHERWISE NOTED ON PLAN.
8. ALL TRAFFIC SIGNAL EQUIPMENT FOR TEMPORARY SIGNAL **SHALL BE** REMOVED UPON THE COMPLETION OF PHASE IV CONSTRUCTION.
9. REFER TO M.O.T. PLANS FOR ADDITIONAL ROADWAY PAVEMENT MARKINGS AND SIGNING.

SIG-6

TEMPORARY SIGNAL #3
PHASE II

REVISIONS

APPROVALS

ASST. DIV. CHIEF, SIGNAL DESIGN SECTION

2/21/97
ASST. DISTRICT ENGINEER, TRAFFIC

11/21/96
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DEPUTY CHIEF ENGINEER, OFFICE OF TRAFFIC

DCI
CONSULTING ENGINEERS
COLUMBIA, MARYLAND

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

ORIGINAL DRAWN BY: ROB CICCHINI
DES. BY: S. CHERNACK/D. PETERS
CHK. BY: Bruce Thompson 11-7-96

MD 100 AT TEMPORARY MD 104

LOG MILE NO.
COUNTY: HOWARD

DATE: 10/96
SCALE: 1"=20'
F.A.P. NO. SEE TITLE SHEET
S.H.A. NO. HO-661-502-770
TS/FILE NO. YYYY-X1
SHEET NO. 417 OF 529

FILENAME=F:\PROJECTS\0810802\DGN\SIGNAL_PHASE2-SSDIM\0810.DGN