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

MD 100 IS ASSUMED TO RUN IN EAST - WEST DIRECTION

PROPOSED SIGNS

D3-2 (VAR.X16") Centre Park DR. → — 7

D3-2 (VAR.X16") ← Centre Park DR. — 9

R10-6C (60"X36") PROCEED ON FLASHING RED AFTER STOP — 8

JCT / MARYLAND 100 — M2-1 (21"X15"), M1-6 (24"X24") — 14

R3-5(L) (30"X36") ONLY — 10

R3-5(R) (30"X36") ONLY — 11, 11A

R3-5b(MOD.) (60"X36") ONLY — 12, 13 GROUND MOUNT

R3-7(R) (30"X30") RIGHT LANE MUST TURN RIGHT — 12, 13 (BY OTHERS)

PROPOSED SIGNALS

12" R Y G — 12" R Y G — 1, 2, 5, 6 — 3, 4

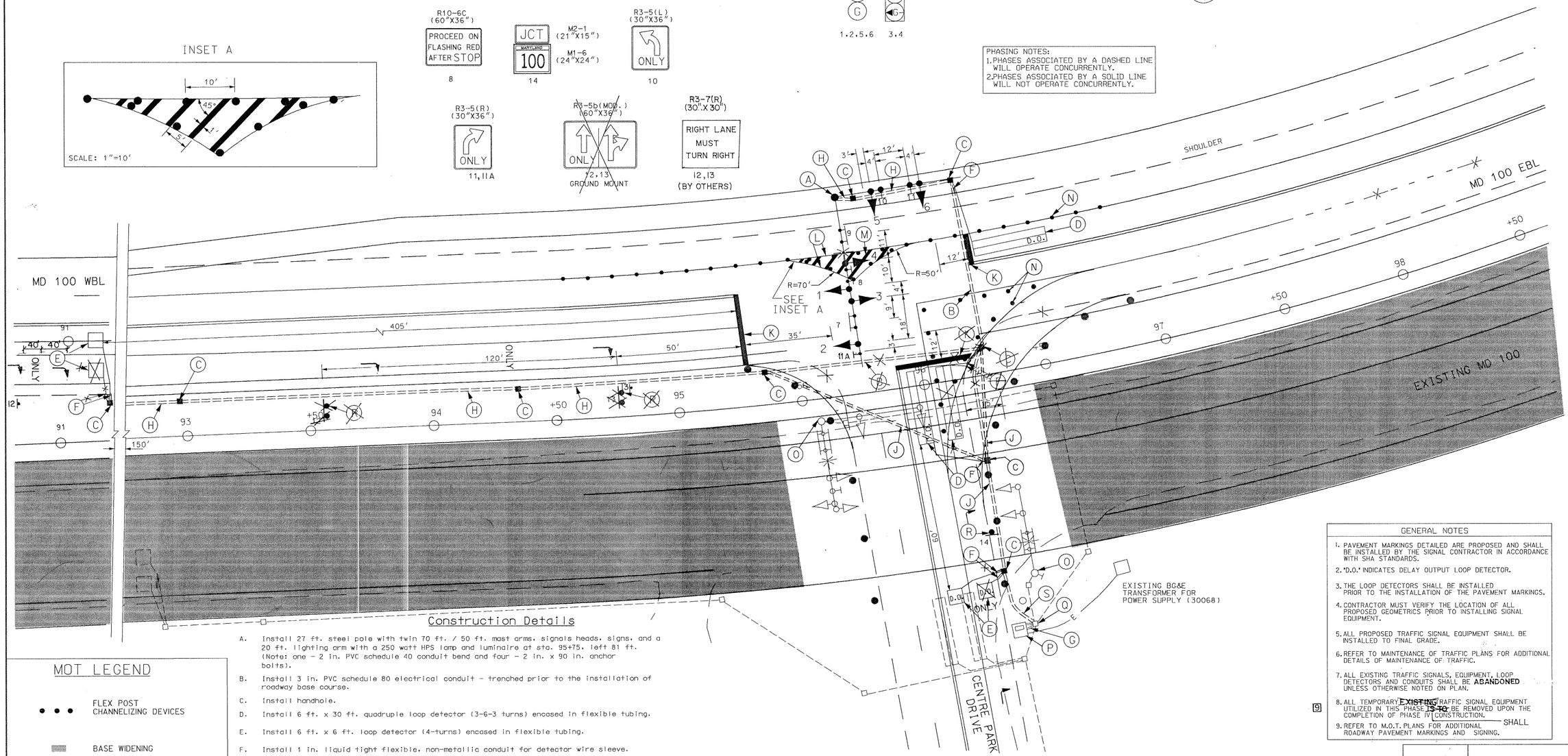
NEMA PHASING

ø2 ø3 ø4

FLASHING OPERATION

INSET A

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



Construction Details

A. Install 27 ft. steel pole with twin 70 ft. / 50 ft. mast arms, signals heads, signs, and a 20 ft. lighting arm with a 250 watt HPS lamp and luminaire at sta. 95+75, left 81 ft. (Note: one - 2 in. PVC schedule 40 conduit bend and four - 2 in. x 90 in. anchor bolts).

B. Install 3 in. PVC schedule 80 electrical conduit - trenched prior to the installation of roadway base course.

C. Install handhole.

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

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

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

G. Use existing conduit.

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

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

K. Install 24 in. white preformed pavement marking tape.

L. Install 6 in. white preformed pavement marking tape.

M. Install 12 in. white preformed pavement marking tape.

N. Install plastic flex post as per MD-SHA standard No. 665.02

O. Remove existing mast arm pole, foundation, signal heads, and signs.

P. Install cables into existing controller and cabinet and tag and label each electrical cable.

Q. Use existing handhole.

R. Install ground mounted sign.

S. Install 3 in. PVC schedule 40 electrical conduit - trenched

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 TEMPORARY ~~EXISTING~~ TRAFFIC SIGNAL EQUIPMENT UTILIZED IN THIS PHASE ~~IS TO~~ SHALL BE REMOVED UPON THE COMPLETION OF PHASE IV CONSTRUCTION.
9. REFER TO M.O.T. PLANS FOR ADDITIONAL ROADWAY PAVEMENT MARKINGS AND SIGNING.

MOT LEGEND

FLEX POST CHANNELIZING DEVICES

BASE WIDENING

UTILITY LEGEND

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

GEOMETRIC LEGEND

EXISTING GEOMETRICS

PROPOSED GEOMETRICS

CONSULTING ENGINEERS
COLUMBIA, MARYLAND

REVISIONS

[9] REDLINE NO.9

DMP-DCI

(A) RECONSTRUCT SIGNAL DUE TO GEOMETRIC IMPROVEMENTS 6/96

LSC/DCI

APPROVALS

ASST. DIV. CHIEF, SIGNAL DESIGN SECTION

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DEPUTY CHIEF ENGINEER, OFFICE OF TRAFFIC

ORIGINALS ON FILE

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

ORIGINAL DRAWN BY: JAMES ALLEN / B. KENT
DES. BY: WILLIAM J. CARLSON
CHK. BY: Bruce Simpson 11-7-96

MD 100 AT CENTRE PARK DRIVE

LOG MILE COUNTY: HOWARD

DATE: 10/96 F.A.P. NO. SEE TITLE SHEET
SCALE: 1"=20' S.H.A. NO. HO-661-502-770

TS/FILE NO. 3416

SHEET NO. 412 OF ____

SIG-1 TEMPORARY SIGNAL #1 PHASE IV-A

FILENAME=I:\PROJECTS\96\96MD2C\DGN\SIGNAL\PHASE4\SIGMAIN.DGN