NURSERY ROAD IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS

11 — R3-5(L) (30" X 36")

7 — R10-12 (24" X 30") — LEFT TURN YIELD ON GREEN

8 — R3-5 (30" X 36

9 — R3-22A (36" X 36")

EXISTING SIGNALS

1 — 12"

2 — 12"

EXISTING SIGN TO BE RELOCATED

10 — R3-1 (36" X 36")

PROPOSED SIGN

12 — R3-6(L) (30" X 36")

13 — R3-5(R) (30" X 36")

PROPOSED SIGNALS

3-6 — 12"

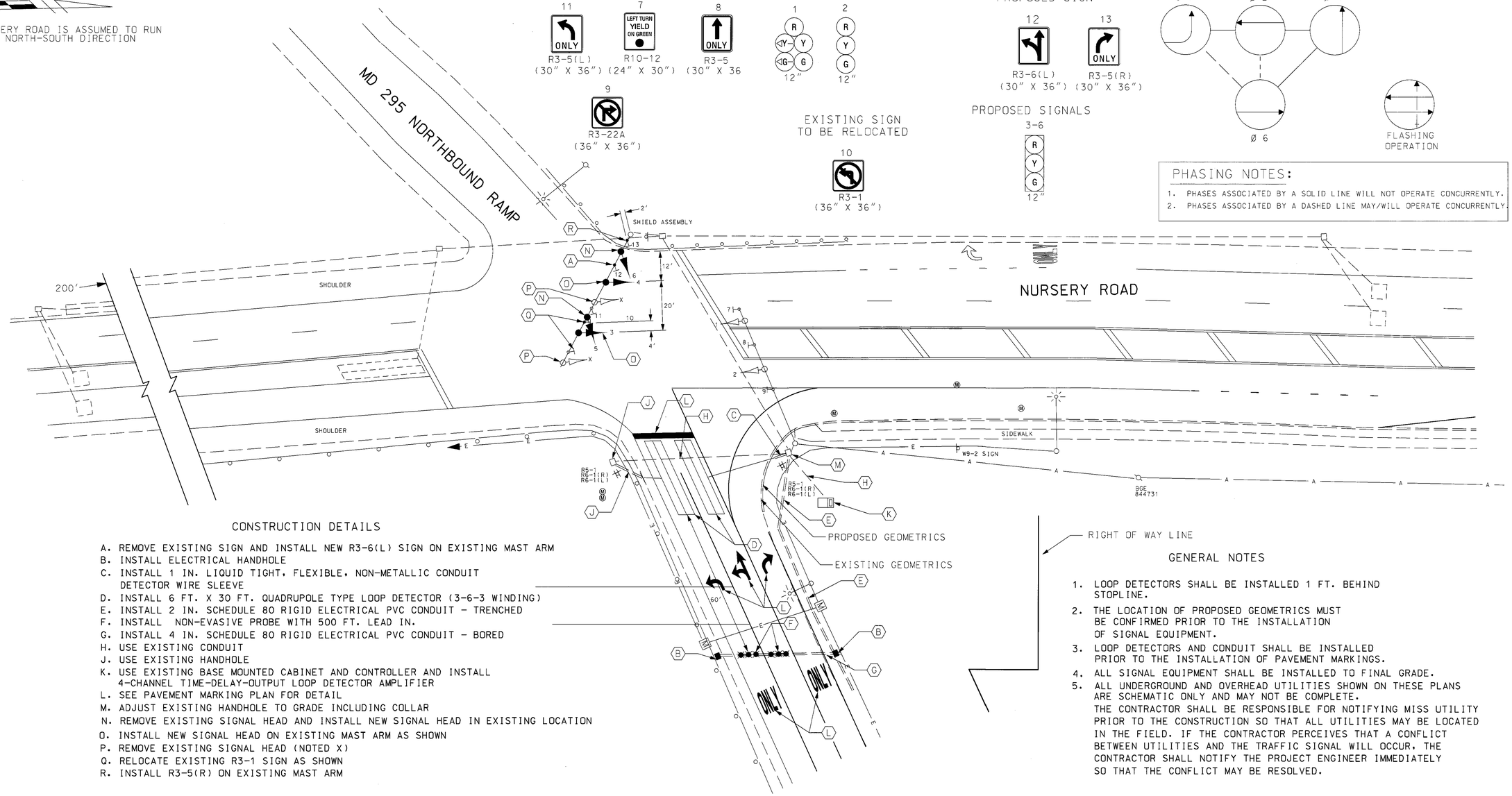
NEMA PHASING

Ø 1, Ø 2, Ø 4, Ø 6

FLASHING OPERATION

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. REMOVE EXISTING SIGN AND INSTALL NEW R3-6(L) SIGN ON EXISTING MAST ARM
B. INSTALL ELECTRICAL HANDHOLE
C. INSTALL 1 IN. LIQUID TIGHT, FLEXIBLE, NON-METALLIC CONDUIT DETECTOR WIRE SLEEVE
D. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE LOOP DETECTOR (3-6-3 WINDING)
E. INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
F. INSTALL NON-EVASIVE PROBE WITH 500 FT. LEAD IN.
G. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
H. USE EXISTING CONDUIT
J. USE EXISTING HANDHOLE
K. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER AND INSTALL 4-CHANNEL TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER
L. SEE PAVEMENT MARKING PLAN FOR DETAIL
M. ADJUST EXISTING HANDHOLE TO GRADE INCLUDING COLLAR
N. REMOVE EXISTING SIGNAL HEAD AND INSTALL NEW SIGNAL HEAD IN EXISTING LOCATION
O. INSTALL NEW SIGNAL HEAD ON EXISTING MAST ARM AS SHOWN
P. REMOVE EXISTING SIGNAL HEAD (NOTED X)
Q. RELOCATE EXISTING R3-1 SIGN AS SHOWN
R. INSTALL R3-5(R) ON EXISTING MAST ARM

GENERAL NOTES

1. LOOP DETECTORS SHALL BE INSTALLED 1 FT. BEHIND STOPLINE.
2. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
3. LOOP DETECTORS AND CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
4. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
5. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101

REVISIONS

B 9-6-02 REPLACE DETECTION DUE TO WIDENING SHA NO. BW996M82 — MLH TZ

APPROVALS

ORIGINAL ON FILE

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION
NURSERY ROAD AT S.B. I-295 OFF RAMP

DRAWN BY:		F.A.P. NO.		TS NO. 2177B	SHEET NO.
CHECKED BY:	GW 11/02	S.H.A. NO.			
SCALE:	1" = 20'	COUNTY:	ANNE ARUNDEL	T.I.M.S. NO. F308	1 OF 3
DATE:		LOG MILE:	02029514.76		

m:\700\00-702\signal\md295@nursery Oct. 15, 2002 13:00:48