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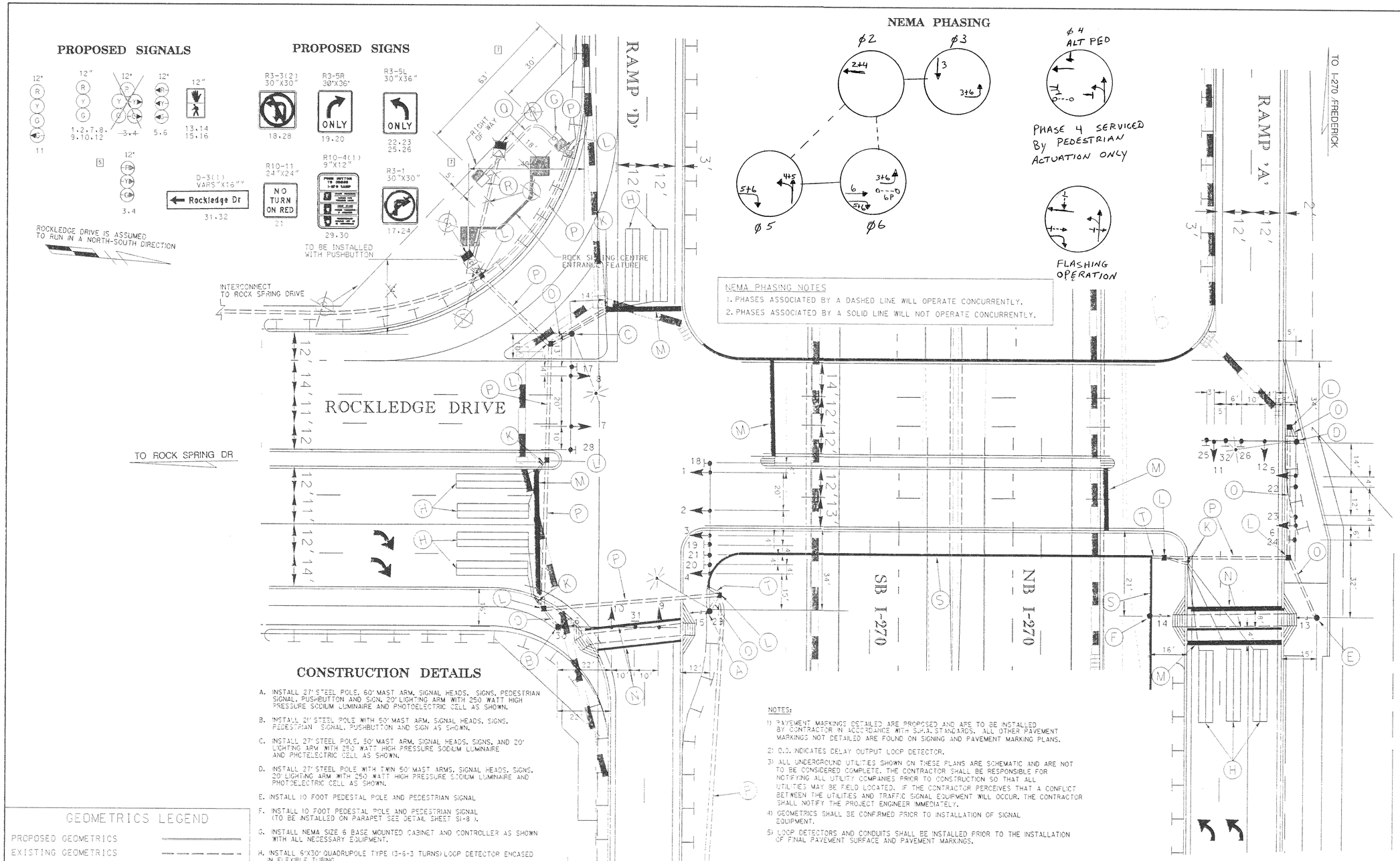
PROPOSED SIGNALS

PROPOSED SIGNS

NEMA PHASING

NEMA 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' STEEL POLE, 60' MAST ARM, SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN, 20' LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LUMINAIRE AND PHOTOELECTRIC CELL AS SHOWN.

B. INSTALL 21' STEEL POLE WITH 50' MAST ARM, SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN AS SHOWN.

C. INSTALL 27' STEEL POLE, 50' MAST ARM, SIGNAL HEADS, SIGNS, AND 20' LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LUMINAIRE AND PHOTELECTRIC CELL AS SHOWN.

D. INSTALL 27' STEEL POLE WITH TWIN 50' MAST ARMS, SIGNAL HEADS, SIGNS, 20' LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LUMINAIRE AND PHOTOELECTRIC CELL AS SHOWN.

E. INSTALL 10 FOOT PEDESTAL POLE AND PEDESTRIAN SIGNAL

F. INSTALL 10 FOOT PEDESTAL POLE AND PEDESTRIAN SIGNAL (TO BE INSTALLED ON PARAPET SEE DETAIL SHEET SI-8).

G. INSTALL NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER AS SHOWN WITH ALL NECESSARY EQUIPMENT.

H. INSTALL 6'X30' QUADRUPOLE TYPE (3-6-3 TURNS) LOOP DETECTOR ENCASED IN FLEXIBLE TUBING.

K. INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.

L. INSTALL ELECTRICAL HANDHOLE.

M. INSTALL 24 INCH PREFORMED PAVEMENT MARKING TAPE FOR STOP LINE.

N. INSTALL 12 INCH PREFORMED PAVEMENT MARKING TAPE FOR CROSSWALK.

O. INSTALL 3 INCH P.V.C. (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.

P. INSTALL 4 INCH P.V.C. (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.

R. PROPOSED PEPCO POWER SERVICE FEED.

S. USE CONDUIT LOCATED IN PARAPET.

T. INSTALL 3 INCH DIAMETER FLEXIBLE STEEL CONDUIT.

NOTES:

1) PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY CONTRACTOR IN ACCORDANCE WITH S.H.A. STANDARDS. ALL OTHER PAVEMENT MARKINGS NOT DETAILED ARE FOUND ON SIGNING AND PAVEMENT MARKING PLANS.

2) D.D. INDICATES DELAY OUTPUT LOOP DETECTOR.

3) ALL UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE FIELD LOCATED. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY.

4) GEOMETRICS SHALL BE CONFIRMED PRIOR TO INSTALLATION OF SIGNAL EQUIPMENT.

5) LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF FINAL PAVEMENT SURFACE AND PAVEMENT MARKINGS.

GEOMETRICS LEGEND

PROPOSED GEOMETRICS	———
EXISTING GEOMETRICS	— — — —

LEGEND OF UTILITIES

WATER	—— W ——
GAS	—— G ——
UNDERGROUND TELEPHONE	—— T ——
SANITARY SEWER	—— S ——
UNDERGROUND ELECTRIC	—— E ——
AERIAL	—— A ——
STORM DRAIN	—— SD ——
SEWAGE FORCE MAIN	—— FM ——
CABLE TV	—— TV ——

KCI TECHNOLOGIES

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REVISIONS	APPROVALS
5 REDLINE REVISION NO. 5 REPLACEMENT SHEET 9/4/2001 MP	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
7 REDLINE REVISION NO. 7 REPLACEMENT SHEET 12/14/2001 MP	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

TS-1

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

I-270 INTERCHANGES AT ROCKLEDGE DRIVE AND MD 187

TRAFFIC SIGNAL PLAN
I-270 AT ROCKLEDGE DRIVE AND RAMP 'A'/ RAMP 'D'

DRAWN BY: M. PIERRE	F.A.P. NO.	TS NO. 3934	SHEET NO.
CHECKED BY: J. LAWRENCE	S.H.A. NO. M08895172		
SCALE: 1" = 20'	COUNTY: MONTGOMERY	T.I.M.S. NO. D 311	252 OF 404
DATE: 09/00	LOG MILE:		

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