SIGNALS FROM PREVIOUS PHASE TO REMAIN

12" 12"

7,8, 9,10

SIGNALS FROM PREVIOUS PHASE TO BE RELOCATED

12" 12"

6 1,5

PROPOSED SIGNS

R10-12 36"X42"

19

PROPOSED SIGNALS

12" 12"

3 2,4

SIGNS FROM PREVIOUS PHASE TO REMAIN

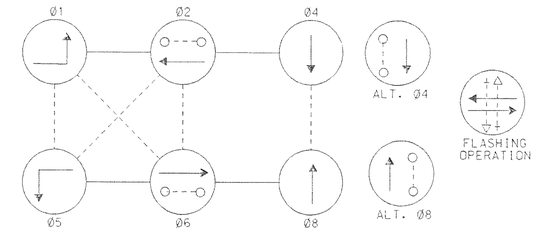
R10-4(1) 9"x12" — 23,24,25,26

VARIABLE X 16" DUAL FACE — 21,22

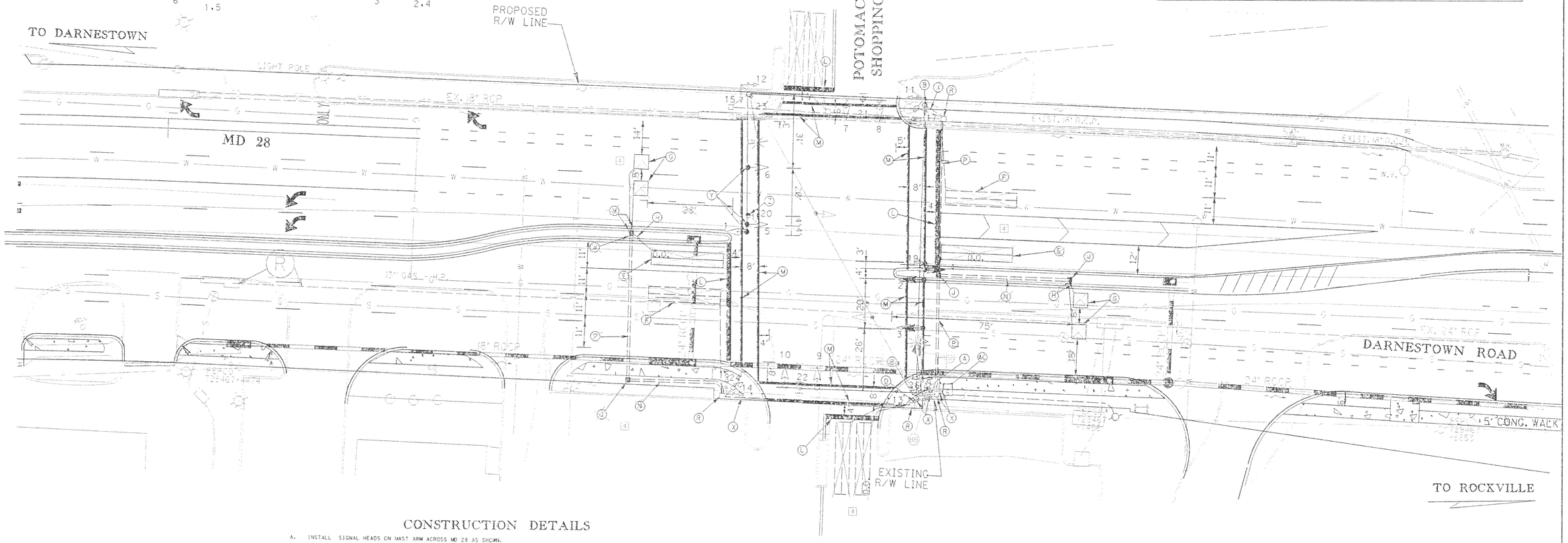
R10-12 36"X42" — 20

VIDEO TRAFFIC DETECTION SYSTEM

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 SIGNAL HEADS ON MAST ARM ACROSS MD 28 AS SHOWN.
B. REMOVE 40 FOOT TEMPORARY WOOD POLE, SIGNAL HEADS AND SPAN WIRE INSTALLED IN PREVIOUS PHASE.
D. CAP AND ABANDON CONDUIT INSTALLED IN PREVIOUS PHASE.
[4] ~~E. INSTALL 6 FOOT X 30 FOOT QUADRUPOLE TYPE LOOP DETECTOR (2-6-3 TURNS) ENCASED IN FLEXIBLE TUBING.~~
F. ABANDON EXISTING DETECTOR.
[4] ~~G. INSTALL 6 FOOT X 6 FOOT LOOP DETECTOR (4 TURNS) ENCASED IN FLEXIBLE TUBING.~~
[4] ~~H. INSTALL 1 INCH LIQUID-TIGHT NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.~~
J. INSTALL ELECTRICAL HANDHOLE.
L. INSTALL 24 INCH HEAT APPLIED WHITE PREMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS.
M. INSTALL 12 INCH HEAT APPLIED WHITE PREMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS.
N. INSTALL 3 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED (PRIOR TO SIDEWALK CONSTRUCTION WHERE APPLICABLE).
P. INSTALL 4 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
R. USE ELECTRICAL HANDHOLE INSTALLED IN PREVIOUS PHASE.
X. USE ELECTRICAL CONDUIT INSTALLED IN PREVIOUS PHASE.
Y. RELOCATE SIGNAL HEADS.
Z. RELOCATE OVERHEAD SIGNS.
AC. USE CONTROLLER INSTALLED IN PREVIOUS PHASE.
[4] BB. INSTALL VIDEO TRAFFIC DETECTION SYSTEM

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

REVISION 'A'
KCI TECHNOLOGIES INC.
ENGINEERS AND PLANNERS
10 NORTH PARK DRIVE
HUNT VALLEY, MARYLAND
21030-1888
(410) 316-7800

KCI TECHNOLOGIES

REVISIONS

(A) 10-00 NEW
MD 28 GEOMETRICS
SHA CONT. NO. M05285271
(A) ADDENDUM NO. 3
REPLACEMENT SHEET
12/19/2000
[4] REDLINE NO. 4
REPLACEMENT SHEET
9/07/2001

APPROVALS

PROJECT MANAGER, SIGNAL DESIGN DIVISION
ORIGINAL
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
ON
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
FILE
DIRECTOR, TRAFFIC & SAFETY

TSP 25

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
ULTIMATE STAGE
MD 28 (DARNESTOWN RD) AND POTOMAC VALLEY SHOPPING CENTER

DRAWN BY:	S.C.K.	F.A.P. NO.		TSP 25 3474A	SHEET NO.
CHECKED BY:	STEVE RENZI	S.H.A. NO.	M528-501-371		
SCALE:	1" = 20'	COUNTY:	MONTGOMERY	T.M.M.S. NO.	
DATE:	OCTOBER 1994	LOG MILE:	15002815.79	0107	324 OF 434

M:\997\019029\MD28\

7/22/01 5:32:27 PM G:\PLOTTING\PS7\OCP\MYLAR-HP.pet Mcgendy Pierre Division:Transportation m:\1997\019029\md28\MACGRUDR\SP01MCCL.PRE