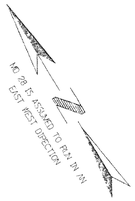
PROPOSED SIGNAL HEADS



EXISTING SIGNAL HEADS

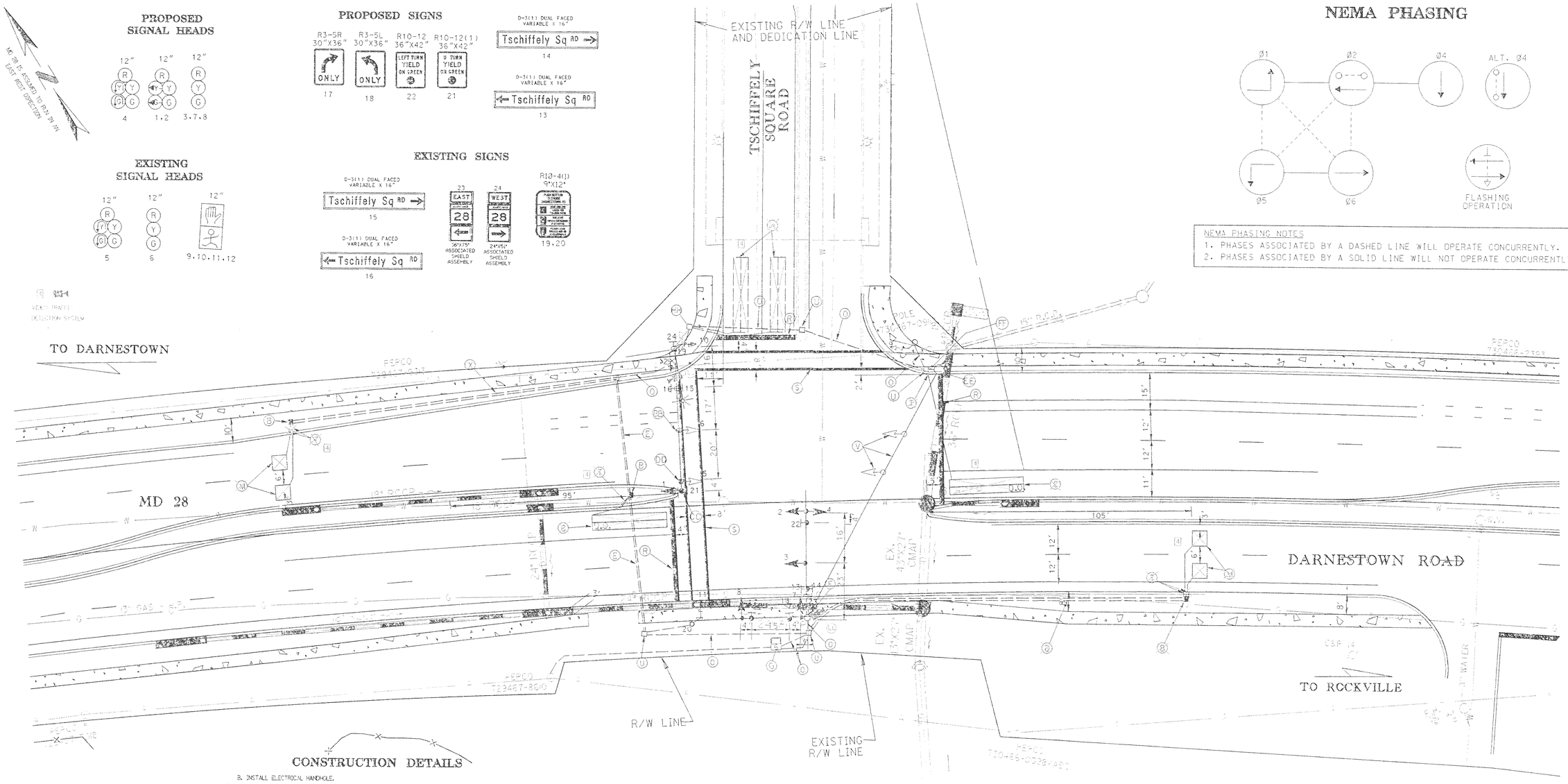
VIDEO TRAFFIC DETECTION SYSTEM

PROPOSED SIGNS

EXISTING 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

B. INSTALL ELECTRICAL HANDHOLE.
[4] C. INSTALL 5-FOOT X 30 FOOT QUADRUPOLE TYPE LOOP DETECTOR (D-6-3 TURNS) ENCASED IN FLEXIBLE TUBING.
D. INSTALL 3 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT. - TRENCHED.
E. INSTALL 4 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
F. MAINTAIN EXISTING SIGNAL POLE AND MAST ARMS. REMOVE EXISTING SIGNAL HEADS. INSTALL SIGNAL HEADS AND SIGNS AS SHOWN.
G. USE EXISTING CONTROLLER.
H. USE EXISTING LOOP DETECTOR.
[4] M. INSTALL 5-FOOT X 6-FOOT LOOP DETECTOR (4 TURNS) ENCASED IN FLEXIBLE TUBING.
O. USE EXISTING CONDUIT.
R. INSTALL 24 INCH HEAT APPLIED WHITE PREMANENT PREFORMED THERMOPLASTIC STOP BAR.
S. INSTALL 12 INCH HEAT APPLIED WHITE PREMANENT PREFORMED THERMOPLASITC CROSSWALK.
[4] T. INSTALL 1 INCH LIQUID TIGHT NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.
U. USE EXISTING ELECTRICAL HANDHOLE.
X. INSTALL 4 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED (PRIOR TO SIDEWALK CONSTRUCTION WHERE APPLICABLE)
V. REMOVE TEMPORARY SPAN WIRE AND SIGNAL HEADS.
EE. RELOCATE SIGNAL HEAD.
CC. INSTALL SIGNAL HEAD AND SIGN.
DD. RELOCATE SIGNAL HEAD AND UNCOVER U-TURN SIGNAL HEAD SECTIONS.
EE. REMOVE TEMPORARY WOOD POLE.
FF. CAP AND ABANDON EXISTING CONDUIT.
HH. USE EXISTING ELECTRICAL HANDHOLE. SPLICE LEAD-IN CABLE TO EXISTING LOOP WIRE.
[4] LL. 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
21030-1883
(410) 316-7800

KCI TECHNOLOGIES

REVISIONS
1 10-00 NEW MD 28 GEOMETRICS SHA CONT. NO. M05285271
△ ADDENDUM NO. 3 REPLACEMENT SHEET 12/19/2000
4 REDLINE NO. 4 REPLACEMENT SHEET 9/07/2001
Q.X.

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

TSP 31

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
ULTIMATE
MD 28 (DARNESTOWN RD) AND TSCHIFFELY SQUARE ROAD

DRAWN BY: T. ZAYDEL	F.A.P. NO.		TS NO. 3609A	SHEET NO. 330 OF 434
CHECKED BY: T. HANNAN	S.H.A. NO.			
SCALE: 1" = 20'	COUNTY: MONTGOMERY		T.I.M.S. NO. D107	
DATE: 8-3-96	LOG MILE: 15002818.06			

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