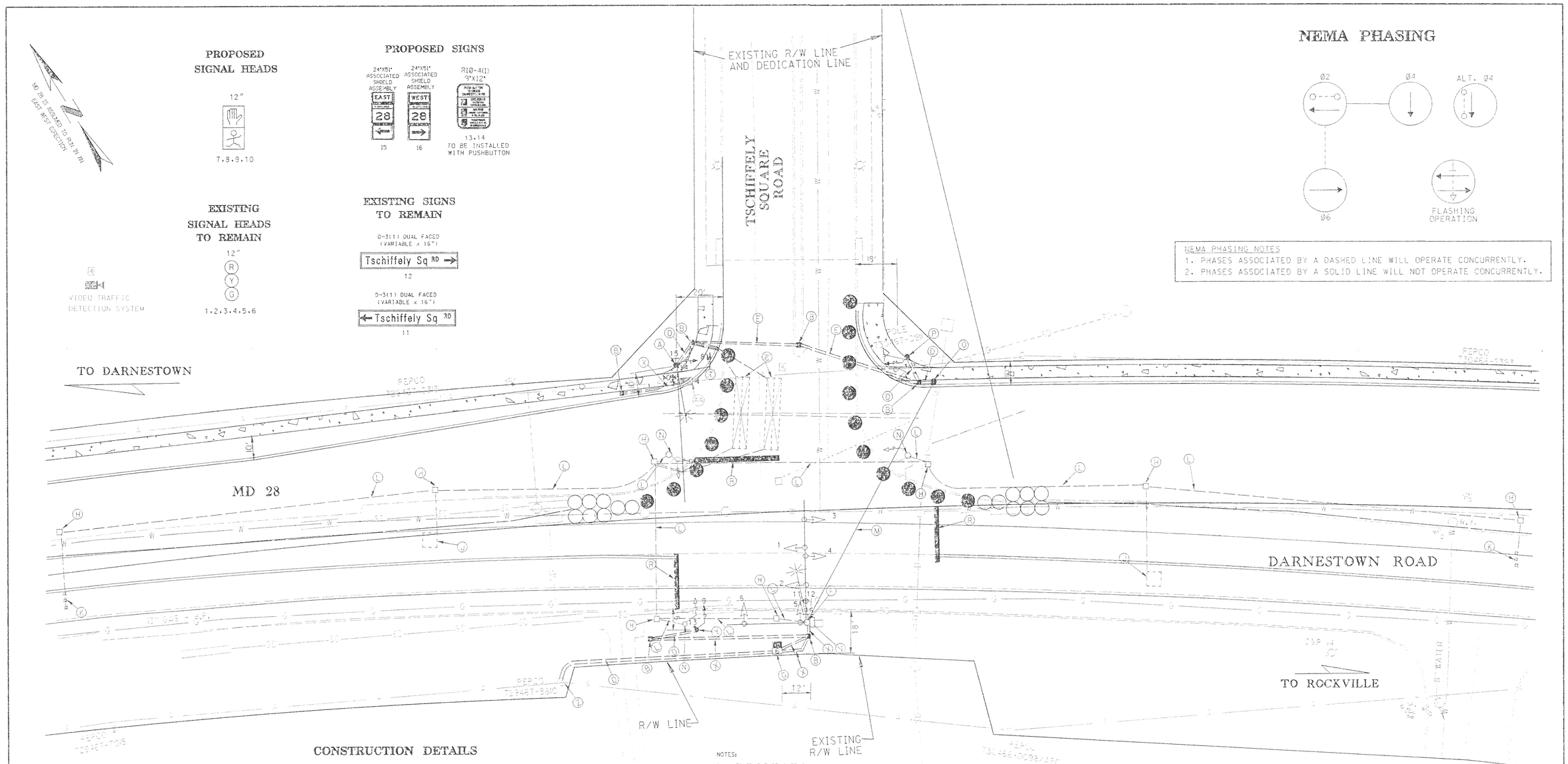

CONSTRUCTION DETAILS

A. INSTALL 27 FOOT STEEL POLE WITH 60 FOOT MAST ARM,PEDESTRIAN SIGNAL HEADS,PUSHBUTTON AND SIGN AND 20 FOOT LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE WITH PHOTOCELL AS SHOWN.
B. INSTALL ELECTRICAL HANDHOLE.
[4] C. INSTALL 6 FOOT X 30 FOOT QUADRUPOLE TYPE LOOP DETECTOR (D-6-D TURNS) ENCASED IN FLEXIBLE TUBING.
D. INSTALL PROPSOED 3 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED (PRIOR TO SIDEWALK CONSTRUCTION WHERE APPLICABLE).
E. INSTALL 4 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED (PRIOR TO SIDEWALK CONSTRUCTION WHERE APPLICABLE)
F. MAINTAIN EXISTING POLE,MAST ARMS,AND SIGNALS. INSTALL TEMPORARY SPAN WIRE CONNECTION.
G. INSTALL BASE-MOUNTED NEMA SIZE 6 CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT.
H. REMOVE EXISTING ELECTRICAL HANDHOLE.
J. ABANDON EXISTING DETECTOR.
K. ABANDON EXISTING MICROLOOP PROBES.
L. CAP AND ABANDON EXISTING ELECTRICAL CONDUIT.
M. INSTALL 7/8 INCH SPAN WIRE.ROUTE CABLES AS INDICATED ON WIRING DIAGRAM.
N. REMOVE EXISTING PEDESTAL POLE,PEDESTRIAN SIGNAL HEADS AND FOUNDATION.
O. INSTALL TEMPORARY 40 FOOT WOOD POLE WITH 3 INCH ELECTRICAL CONDUIT PVC RISER.
P. INSTALL 10 FOOT PEDESTAL POLE AND PEDESTRIAN SIGNAL HEAD.
R. INSTALL 24 INCH WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE.
[4] T. INSTALL 4 INCH ELECTRICAL CONDUIT - GALVANIZED SLEEVE.
V. REMOVE EXISTING POLE MOUNTED CABINET AND CONTROLLER.
X. INSTALL 4 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED (PRIOR TO SIDEWALK CONSTRUCTION WHERE APPLICABLE)
Y. INSTALL 10 FOOT PEDESTAL POLE,PEDESTRIAN SIGNAL HEAD,PUSHBUTTON AND SIGN AS SHOWN.
Z. UNDERGROUND POWER SERVICE FEED. INSTALL 3 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT RISER TO 10 FOOT ON PEPCO POLE # 729467-8660.
[4] AA. INSTALL VIDEO TRAFFIC DETECTION SYSTEM.

NOTES:

1) ALL EQUIPMENT REMOVED SHALL BECOME PROPERTY OF THE CONTRACTOR EXCEPT FOR THOSE ITEMS LISTED ON THE GENERAL INFORMATION SHEET.
2) PAVEMENT MARKINGS DETAILED ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH S.H.A. STANDARDS. ALL OTHER PAVEMENT MARKINGS NOT DETAILED ARE FOUND ON SIGNING AND PAVEMENT MARKING PLANS.
3) D.O. INDICATES DELAY OUTPUT LOOP DETECTOR.
4) 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.
5) GEOMETRICS SHALL BE CONFIRMED PRIOR TO INSTALLATION OF SIGNAL EQUIPMENT.
[4] 6) LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
7) REFER TO THE TRAFFIC CONTROL PLAN FOR TEMPORARY SIGNING AND PAVEMENT MARKINGS.
8) UNLESS OTHERWISE NOTED, ALL EXISTING SIGNAL EQUIPMENT SHALL BE MAINTAINED.
9) REFER TO ULTIMATE GENERAL INFORMATION SHEET FOR PROJECT DESCRIPTION. MAINTAIN EXISTING PHASING UNLESS OTHERWISE SHOWN ON GENERAL INFORMATION SHEET.
10) ALL DISCONNECTING AND SPLICING OF INTERCONNECT CABLE SHALL BE PREFORMED BY MONTGOMERY COUNTY DIVISION OF TRAFFIC AND PARKING SERVICES PERSONNEL.

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

LEGEND

- TRAFFIC BARRIER
- PLASTIC DRUMS
- LOOP LOCATION
- ROADWAY TO BE CONSTRUCTED
- TEMPORARY PAVEMENT

TSP 27

REVISIONS	
Ⓐ 10-00 NEW MD 28 GEOMETRICS SHA CONT. NO. MO5285271	
△ ADDENDUM NO. 3 REPLACEMENT SHEET 12/13/2000	
[4] REDLINE NO. 4 REPLACEMENT SHEET 9/07/2001	
Q.X.	

APPROVALS

PROJECT MANAGER, SIGNAL DESIGN DIVISION: ORIGINAL

ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION: ON

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION: FILE

DIRECTOR, TRAFFIC & SAFETY

REVISION "A"

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KCI TECHNOLOGIES

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
PHASE 2 CONSTRUCTION
MD 28 (DARNESTOWN RD) AND TSCHIFFELY SQUARE ROAD

DRAWN BY: T. ZAYDEL	F.A.P. NO.		TS NO. 3609A-PX-1	SHEET NO.
CHECKED BY: T. HANNAN	S.H.A. NO.			
SCALE: 1" = 20'	COUNTY: MONTGOMERY		T.M.S. NO. D107	326 OF 434
DATE: 6-3-98	LOG MILE: 15002816.06			

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