PROPOSED SIGNALS

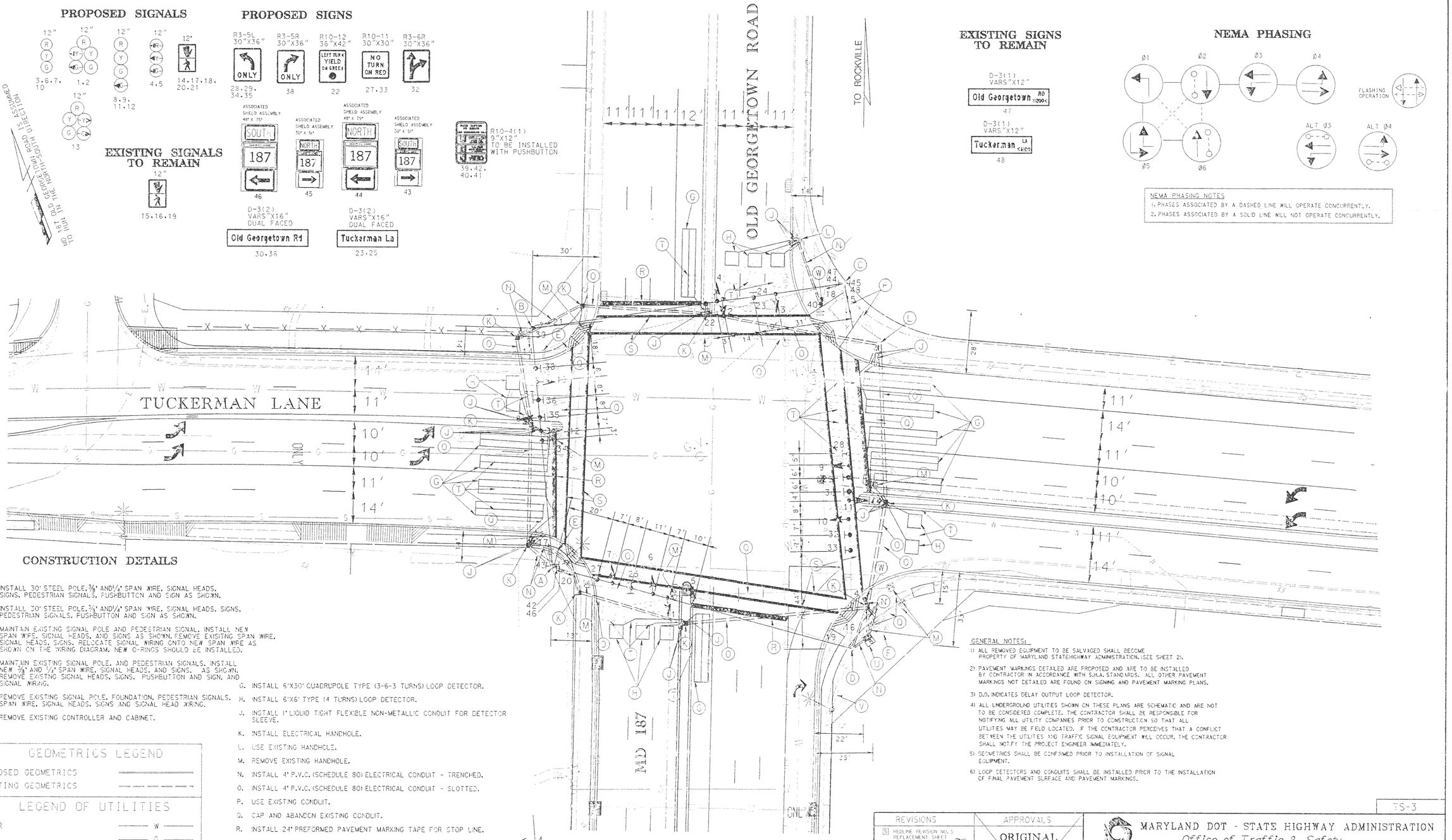
PROPOSED SIGNS

EXISTING SIGNALS TO REMAIN

EXISTING SIGNS TO REMAIN

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 30' STEEL POLE, 3/8" AND 1/4" SPAN WIRE, SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNALS, PUSHBUTTON AND SIGN AS SHOWN.

B. INSTALL 30' STEEL POLE, 3/8" AND 1/4" SPAN WIRE, SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNALS, PUSHBUTTON AND SIGN AS SHOWN.

C. MAINTAIN EXISTING SIGNAL POLE AND PEDESTRIAN SIGNAL. INSTALL NEW SPAN WIRE, SIGNAL HEADS, AND SIGNS AS SHOWN. REMOVE EXISTING SPAN WIRE, SIGNAL HEADS, SIGNS. RELOCATE SIGNAL WIRING ONTO NEW SPAN WIRE AS SHOWN ON THE WIRING DIAGRAM. NEW O-RINGS SHOULD BE INSTALLED.

D. MAINTAIN EXISTING SIGNAL POLE, AND PEDESTRIAN SIGNALS. INSTALL NEW 3/8" AND 1/4" SPAN WIRE, SIGNAL HEADS, AND SIGNS. AS SHOWN. REMOVE EXISTNG SIGNAL HEADS, SIGNS, PUSHBUTTON AND SIGN, AND SIGNAL WIRING.

E. REMOVE EXISTING SIGNAL POLE, FOUNDATION, PEDESTRIAN SIGNALS, SPAN WIRE, SIGNAL HEADS, SIGNS AND SIGNAL HEAD WIRING.

F. REMOVE EXISTING CONTROLLER AND CABINET.

G. INSTALL 6'X30' QUADRUPOLE TYPE (3-6-3 TURNS) LOOP DETECTOR.

H. INSTALL 6'X6' TYPE (4 TURNS) LOOP DETECTOR.

J. INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.

K. INSTALL ELECTRICAL HANDHOLE.

L. USE EXISTING HANDHOLE.

M. REMOVE EXISTING HANDHOLE.

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

O. INSTALL 4" P.V.C. (SCHEDULE 80) ELECTRICAL CONDUIT - SLOTTED.

P. USE EXISTING CONDUIT.

Q. CAP AND ABANDON EXISTING CONDUIT.

R. INSTALL 24" PREFORMED PAVEMENT MARKING TAPE FOR STOP LINE.

S. INSTALL 12" PREFORMED PAVEMENT MARKING TAPE FOR CROSSWALK.

T. ABANDON EXISTING DETECTOR.

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

V. MAINTAIN POWER FEED AND REROUTE AS SHOWN IN WIRING DIAGRAM.

W. INSTALL 4' PEDESTAL POLE, PUSHBUTTON AND SIGN AS SHOWN.

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

GENERAL NOTES:

1) ALL REMOVED EQUIPMENT TO BE SALVAGED SHALL BECOME PROPERTY OF MARYLAND STATEHIGHWAY ADMINISTRATION. (SEE SHEET 2).

2) 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.

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.

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

TS-3

REVISION "3"

KCI TECHNOLOGIES INC.
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HUNT VALLEY, MARYLAND
21030-1888
(410) 316-7800

REVISIONS	APPROVALS
5 REDLINE REVISION NO. 5 REPLACEMENT SHEET 9/4/2003	ORIGINAL
MP	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
2 ADDENDUM NO. 2 REPLACEMENT SHEET 11/30/00	ON
3 NEW TUCKERMAN LANE GEOMETRICS 10-00 SHA CONT. NO. MD8995172	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
MP	FILE
4 NEW TUCKERMAN LANE GEOMETRICS 5-93	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
TEL RC3 RCW	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
I-270 INTERCHANGES AT ROCKLEDGE DRIVE AND MD 187
TRAFFIC SIGNAL PLANS
MD 187 (OLD GEORGETOWN ROAD) AT TUCKERMAN LANE

DRAWN BY: LES TOWNSEND	F.A.P. NO.	TS NO. 445 B	SHEET NO.
CHECKED BY: LES TOWNSEND	S.H.A. NO.		
SCALE: 1" = 30'	COUNTY: MONTGOMERY	T.I.M.S. NO. D 434	254 OF 404
DATE: 11-4-03	LOG MILE: 15018704.06		

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