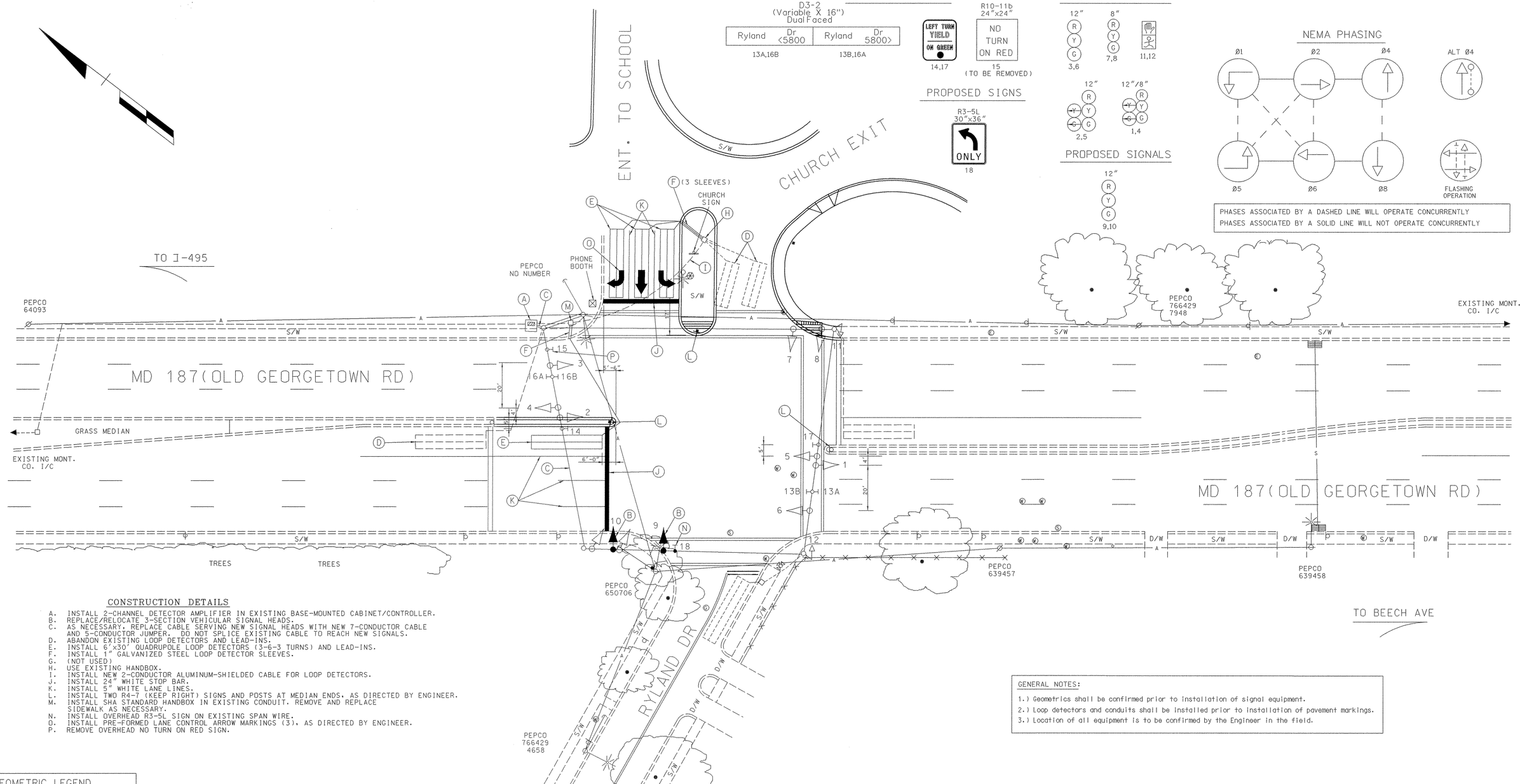
F H W A REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	N/A	1	2



CONSTRUCTION DETAILS

A. INSTALL 2-CHANNEL DETECTOR AMPLIFIER IN EXISTING BASE-MOUNTED CABINET/CONTROLLER.
B. REPLACE/RELOCATE 3-SECTION VEHICULAR SIGNAL HEADS.
C. AS NECESSARY, REPLACE CABLE SERVING NEW SIGNAL HEADS WITH NEW 7-CONDUCTOR CABLE AND 5-CONDUCTOR JUMPER. DO NOT SPLICE EXISTING CABLE TO REACH NEW SIGNALS.
D. ABANDON EXISTING LOOP DETECTORS AND LEAD-INS.
E. INSTALL 6'x30' QUADRUPOLE LOOP DETECTORS (3-6-3 TURNS) AND LEAD-INS.
F. INSTALL 1" GALVANIZED STEEL LOOP DETECTOR SLEEVES.
G. (NOT USED)
H. USE EXISTING HANDBOX.
I. INSTALL NEW 2-CONDUCTOR ALUMINUM-SHIELDED CABLE FOR LOOP DETECTORS.
J. INSTALL 24" WHITE STOP BAR.
K. INSTALL 5" WHITE LANE LINES.
L. INSTALL TWO R4-7 (KEEP RIGHT) SIGNS AND POSTS AT MEDIAN ENDS, AS DIRECTED BY ENGINEER.
M. INSTALL SHA STANDARD HANDBOX IN EXISTING CONDUIT. REMOVE AND REPLACE SIDEWALK AS NECESSARY.
N. INSTALL OVERHEAD R3-5L SIGN ON EXISTING SPAN WIRE.
O. INSTALL PRE-FORMED LANE CONTROL ARROW MARKINGS (3), AS DIRECTED BY ENGINEER.
P. REMOVE OVERHEAD NO TURN ON RED SIGN.

GENERAL NOTES:

1.) Geometrics shall be confirmed prior to installation of signal equipment.
2.) Loop detectors and conduits shall be installed prior to installation of pavement markings.
3.) Location of all equipment is to be confirmed by the Engineer in the field.

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A	A	A
ELECTRIC	E	E	E
TELEPHONE	T	T	T
GAS	G	G	G
SEWER	S	S	S
WATER	W	W	W
CABLE TV	TV	TV	TV

O'CONNELL & LAWRENCE, INC.
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IN ASSOCIATION WITH JOSEPH CUTRO, P.E.
Tel: (301) 340-3371

REVISIONS		
(C) EM996M62 RELOCATE RR SIGNAL HEADS AND DETECTORS. RELOCATE LOOP FOR EXTENDED SB LEFT TURN LANE	8-20-00	
D'CL/JC/JCA		
(B) ADD E/P FOR EB/WB MD 187	12-18-95	
DWP/DCI		
(A) REDRAW / ASBUILD AND REPLACE DEFECTIVE LOOPS S.H.A. NO. M-650-501-377	2-25-91	
RRZ/STS		

APPROVALS
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 187 (OLD GEORGETOWN RD) AND RYLAND DR

DRAWN BY:	J GUNDEL	F.A.P. NO.		TS NO. TS-3141C	SHEET NO. 1 OF 2
CHECKED BY:	J CUTRO	S.H.A. NO.	M-650-501-377		
SCALE:	1"=20'	COUNTY:	MONTGOMERY	T.I.M.S. NO. D886	
DATE:	11-29-00	LOG MILE:	15018702.44		