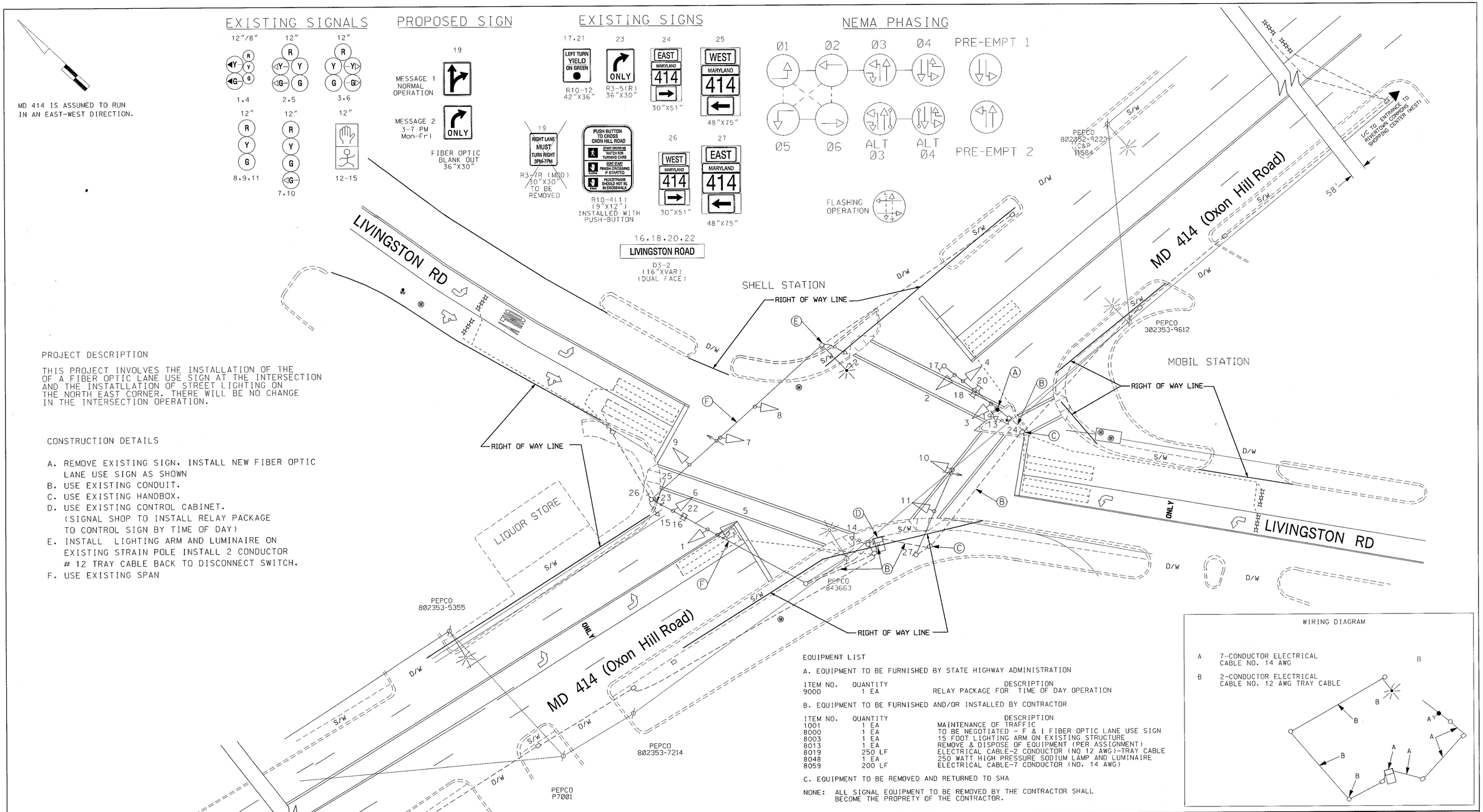

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF THE OF A FIBER OPTIC LANE USE SIGN AT THE INTERSECTION AND THE INSTATLLATION OF STREET LIGHTING ON THE NORTH EAST CORNER. THERE WILL BE NO CHANGE IN THE INTERSECTION OPERATION.

CONSTRUCTION DETAILS

A. REMOVE EXISTING SIGN. INSTALL NEW FIBER OPTIC LANE USE SIGN AS SHOWN
B. USE EXISTING CONDUIT.
C. USE EXISTING HANDBOX.
D. USE EXISTING CONTROL CABINET. (SIGNAL SHOP TO INSTALL RELAY PACKAGE TO CONTROL SIGN BY TIME OF DAY)
E. INSTALL LIGHTING ARM AND LUMINAIRE ON EXISTING STRAIN POLE INSTALL 2 CONDUCTOR # 12 TRAY CABLE BACK TO DISCONNECT SWITCH.
F. USE EXISTING SPAN

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9000	1 EA	RELAY PACKAGE FOR TIME OF DAY OPERATION

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8000	1 EA	TO BE NEGOTIATED - F & I FIBER OPTIC LANE USE SIGN
8003	1 EA	15 FOOT LIGHTING ARM ON EXISTING STRUCTURE
8013	1 EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8019	250 LF	ELECTRICAL CABLE-2 CONDUCTOR (NO 12 AWG)-TRAY CABLE
8048	1 EA	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE
8059	200 LF	ELECTRICAL CABLE-7 CONDUCTOR (NO. 14 AWG)

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

NONE: ALL SIGNAL EQUIPMENT TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPRETY OF THE CONTRACTOR.

WIRING DIAGRAM

A 7-CONDUCTOR ELECTRICAL CABLE NO. 14 AWG

B 2-CONDUCTOR ELECTRICAL CABLE NO. 12 AWG TRAY CABLE

REVISIONS

F	INSTALL FIBER OPTIC LANE CONTROL SIGN F204 AT2885185		6/2003	
JAH				
E	As-built-add ped p.b. and indication on east leg of MD 414		9/28/00	
DMP				
D.	Replace Failed Loop detectors			
C.	Install opticom preemption		3/93	
MAR				

APPROVALS

ORIGINAL ON FILE

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNALIZATION PLAN

MD 414 AT LIVINGSTON ROAD

TOD #: AT268-40

DRAWN BY:	D.Doda/J.Gordon	F.A.P. NO.		TS NO. 993F	SHEET NO.
CHECKED BY:	J.Gordon	S.H.A. NO.	PG-284-A591-C9	T.I.M.S. NO. F204	1 OF 1
SCALE:	1"=20	COUNTY:	Prince George's		
DATE:	F-13-75	LOG MILE:	16041400.51		