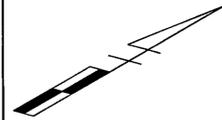
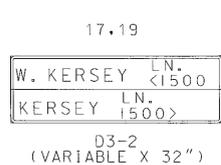
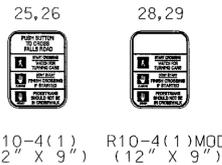


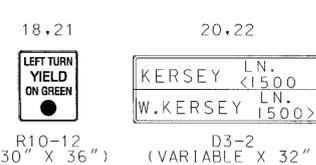
MD 189 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION



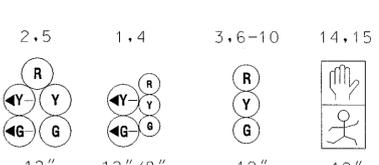
PROPOSED SIGNS



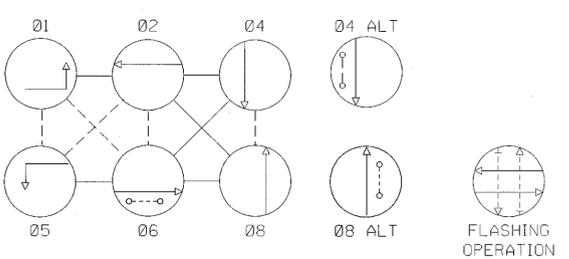
EXISTING SIGNS



EXISTING SIGNALS



NEMA PHASING



PROJECT DESCRIPTION
THIS PROJECT INVOLVES THE INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PUSHBUTTONS FOR THE EAST LEG AND NORTH LEG OF THE MD 189 (FALLS ROAD) AND KERSEY LANE/W.KERSEY LANE INTERSECTION IN MONTGOMERY COUNTY, MARYLAND.

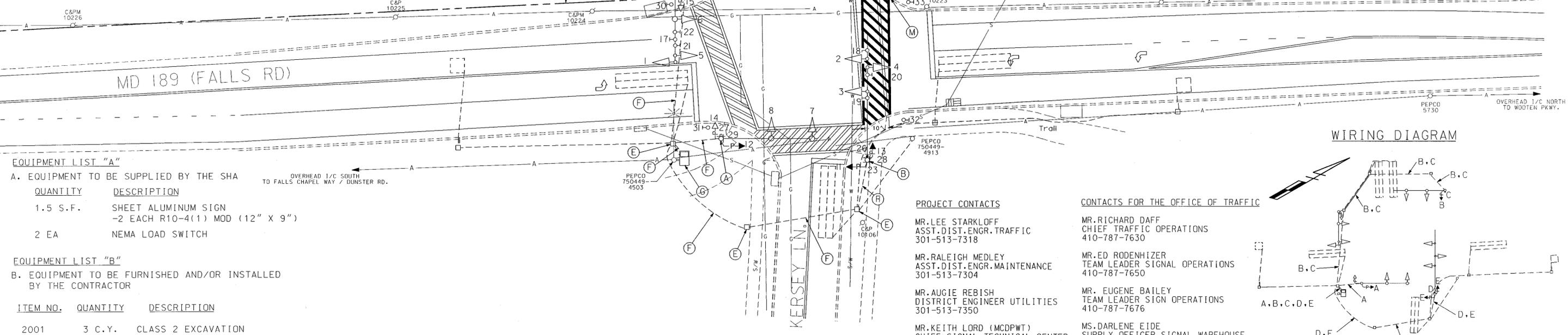
NORMAL OPERATION
THE INTERSECTION WILL OPERATE IN A SIX PHASE SEMI-TRAFFIC ACTUATED MODE WITH THE MD189 APPROACHES RUNNING CONCURRENTLY AND THE KERSEY LANE/W.KERSEY LANE APPROACHES RUNNING CONCURRENTLY. EXCLUSIVE PERMISSIVE LEFT TURN PHASING WILL BE PROVIDED FOR THE MD189 APPROACHES. PEDESTRIAN PHASING WILL BE PROVIDED ACROSS THE NORTH, SOUTH AND EAST LEGS OF THE INTERSECTION.

CONTROLLER REQUIREMENTS
THE EXISTING FULLY-TRAFFIC ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLER HOUSED IN A NEMA SIZE "6" GROUND MOUNTED CABINET WILL BE UTILIZED.

GENERAL NOTES:
ALL UNDERGROUND AND OVERHEAD 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 LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.

THE CONTRACTOR SHALL CONTACT MR. KEITH LORD, CHIEF, SIGNAL TECHNICAL CENTER, AT 301-279-1291 SEVENTY-TWO (72) HOURS PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL CONTACT THE MONTGOMERY COUNTY TMC AT 240-777-2100 TO MARK EXISTING UNDERGROUND TRAFFIC SIGNAL EQUIPMENT SEVENTY-TWO (72) HOURS PRIOR TO DIGGING.



EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

QUANTITY	DESCRIPTION
1.5 S.F.	SHEET ALUMINUM SIGN
-2 EACH	R10-4(1) MOD (12" X 9")
2 EA	NEMA LOAD SWITCH

EQUIPMENT LIST "B"

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

ITEM NO.	QUANTITY	DESCRIPTION
2001	3 C.Y.	CLASS 2 EXCAVATION
5004	260 L.F.	F & I 12 IN WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
5008	260 L.F.	REMOVE EXISING PAVEMENT MARKINGS ANY WIDTH
6000	16 L.F.	F & I DEPRESSED CURB & GUTTER
6002	10 L.F.	F & I STANDARD TYPE A COMBINATION CURB & GUTTER. 12 IN. GUTTER PAN, 8 IN. DEPTH.
6004	240 S.F.	4 INCH CONCRETE SIDEWALK
8010	8 EA	F & I 12 INCH PEDESTRIAN SIGNAL HEAD
8032	2 EA	F & I PUSHBUTTON AND SIGN
8048	1 EA	REMOVE AND DISPOSE MATERIAL & EQUIPMENT PER ASSIGNMENT
8051	40 L.F.	F & I 3" PVC SCHEDULE 80 CONDUIT - TRENCHED
8076	2 EA	INSTALL GROUND MOUNTED SHEET ALUMINUM SIGN
8084	400 L.F.	F & I ELECTRICAL CABLE - 2 CONDUCTOR (NO 14 A.W.G.)
8085	300 L.F.	F & I ELECTRICAL CABLE - 3 CONDUCTOR (NO 14 A.W.G.)
8086	200 L.F.	F & I ELECTRICAL CABLE - 5 CONDUCTOR (NO 14 A.W.G.)

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076.

QUANTITY	DESCRIPTION
ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR	

- CONSTRUCTION DETAILS**
- A. INSTALL PEDESTRIAN SIGNAL HEAD AND SIGN ON EXISTING POLE.
 - B. INSTALL TWO WAY PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGNS ON EXISTING POLE.
 - C. INSTALL 3" PVC SCHEDULE 80 - TRENCHED.
 - D. REMOVE SECTION OF SIDEWALK TO INSTALL CONDUIT. RE-INSTALL 4" SIDEWALK AFTER CONDUIT INSTALLATION IS COMPLETE. EXISTING CONDUIT TO REMAIN
 - E. USE EXISTING HANDBOX
 - F. USE EXISTING CONDUIT
 - G. USE EXISTING TRAFFIC SIGNAL CONTROLLER
 - H. INSTALL PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN ON EXISTING POLE.
 - J. INSTALL 4" SIDEWALK. MATCH EXISTING SIDEWALK GRADE. INSTALL ADA COMPLIANT PEDESTRIAN RAMP USING STANDARD NO. MD-655.14
 - K. REMOVE EXISTING PAVEMENT MARKING (CROSSHATCHED CROSSWALK)
 - L. INSTALL DEPRESSED CURB & GUTTER.
 - M. REMOVE EXISTING CURB AND INSTALL NEW CURB TO MATCH EXISTING CURB HEIGHT.

PROJECT CONTACTS

MR. LEE STARKLOFF
ASST. DIST. ENGR. TRAFFIC
301-513-7318

MR. RALEIGH MEDLEY
ASST. DIST. ENGR. MAINTENANCE
301-513-7304

MR. AUGIE REBISH
DISTRICT ENGINEER UTILITIES
301-513-7350

MR. KEITH LORD (MCDPWT)
CHIEF, SIGNAL TECHNICAL CENTER
301-279-1291

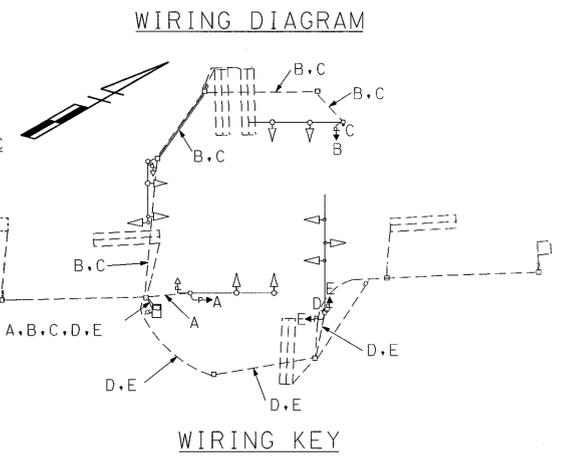
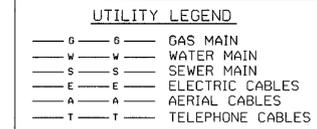
CONTACTS FOR THE OFFICE OF TRAFFIC

MR. RICHARD DAFF
CHIEF TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7676

MS. DARLENE EIDE
SUPPLY OFFICER SIGNAL WAREHOUSE
410-787-7666



REVISIONS		APPROVALS	
①	INSTALL PEDESTRIAN SIGNAL HEADS ON NORTH AND EAST LEGS	JM	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
2	ADD E/P LEFT TURNS ON MD 189 NORTH AND SOUTH	J.A.H.	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
3		RRZ	CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
4		TMZ	DIRECTOR, TRAFFIC & SAFETY

RK K RUMMEL, KLEPPER & KAHL, LLP

CONSULTING ENGINEERS

81 MOSHER STREET
BALTIMORE, MARYLAND 21217
TELE: 410-728-2900 FAX: 410-728-3160

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 189 (FALLS RD) AND KERSEY LANE / WEST KERSEY LANE

DRAWN BY: W.J. NIES	F.A.P. NO. MONTGOMERY	TS NO. TS-3166D	SHEET NO. 1 OF 1
CHECKED BY: R.R. ZACHERL/D.DODD	COUNTY: MONTGOMERY	LOG MILE: 15018866.24	
SCALE: 1" = 20'	DATE: 6-20-91		