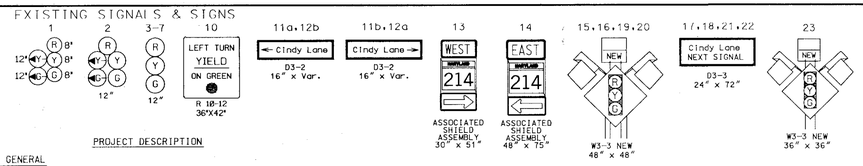
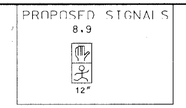
EXISTING SIGNALS & SIGNS



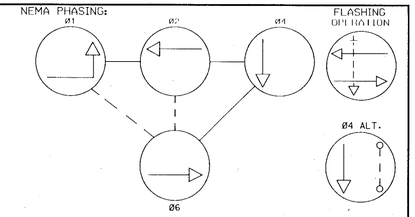
PROPOSED SIGNALS



PHASE CHART

	1	2	3	4	5	6	7	8,9	
PHASE 1 & 6	◄G - G	◄G - G	G	R	R	R	R	DW	↑
1 CHANGE	◄Y - G	◄Y - G	G	R	R	R	R	DW	→
PHASE 2 & 6	G	G	G	G	G	R	R	DW	←
2 & 6 CHANGE	Y	Y	Y	Y	Y	R	R	DW	→
PHASE 4	R	R	R	R	R	G	G	DW	↓
4 CHANGE	R	R	R	R	R	Y	Y	DW	↓
Ø4 ALT.	R	R	R	R	R	G	G	WK	↓
PED. CLEAR	R	R	R	R	R	G	G	FL/DW	↓
Ø4 ALT. CHANGE	R	R	R	R	R	Y	Y	DW	↓
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	DARK	←→

NEMA PHASING:



NEMA NOTES:

1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF PEDESTRIAN SIGNALS, CROSSWALK, AND DEPRESSED CURB FOR CROSSING MD 214 ON THE EAST SIDE OF THE INTERSECTION INTERSECTION AT MD 214 AND CINDY LANE IN PRINCE GEORGE'S COUNTY.

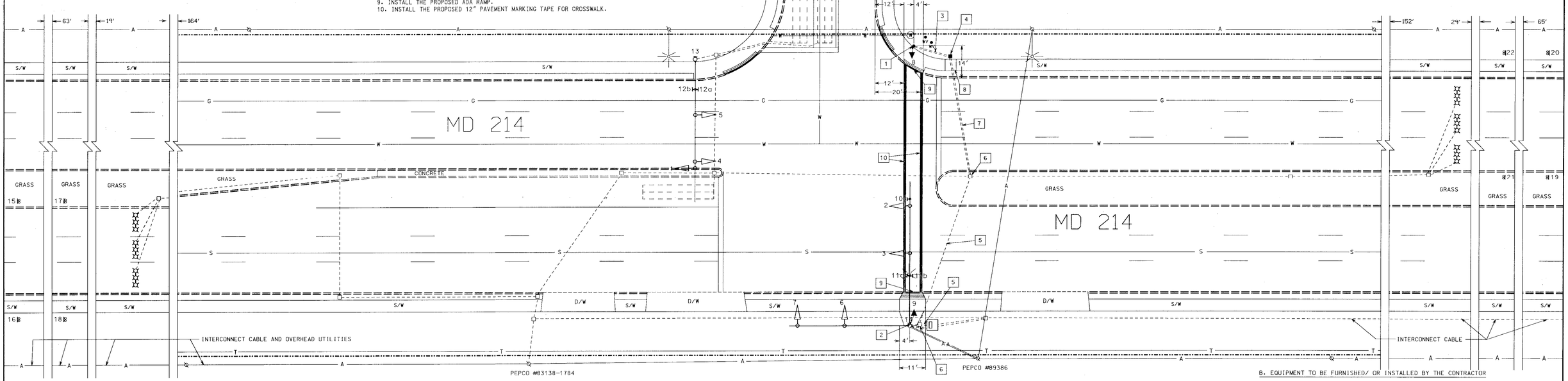
MD 214 IS ASSUMED TO RUN IN A EAST-WEST DIRECTION.

NOTE TO THE CONTRACTOR:

1. THE CONTRACTOR SHALL BE CAREFUL WHEN INSTALLING THE PEDESTRIAN POLES, AND CONDUIT DUE TO THE SHA INTERCONNECT CONDUIT, AND UNDERGROUND UTILITES. THE CONTRACTOR SHALL CONTACT MR. ED RODENHIZER (410)787-5852 CONCERNING THE INTERCONNECT.

CONSTRUCTION DETAILS

1. INSTALL 12" PEDESTRIAN SIGNAL WITH 10' PEDESTAL POLE AND BASE, PUSHBUTTON, SIGN, CONCRETE FOUNDATION, GROUT, AND 2" PVC SCHEDULE 80 CONDUIT BEND.
2. INSTALL 12" PEDESTRIAN SIGNAL ON EXISTING MAST ARM POLE WITH PUSHBUTTON, AND SIGN.
3. INSTALL 2" PVC SCHEDULE 80 CONDUIT – TRENCHED.
4. INSTALL THE PROPOSED HANDHOLE, AND GROUND ROD.
5. USE THE EXISTING CONDUIT.
6. USE THE EXISTING HANDHOLE.
7. INSTALL 3" PVC SCHEDULE 80 CONDUIT – SLOTTED.
8. REMOVE THE EXISTING AREA OF SIDEWALK FOR THE INSTALLATION OF THE PROPOSED CONDUIT. REINSTALL THE PROPOSED SIDEWALK ONCE THE PROPOSED CONDUIT HAS BEEN INSTALLED.
9. INSTALL THE PROPOSED ADA RAMP.
10. INSTALL THE PROPOSED 12" PAVEMENT MARKING TAPE FOR CROSSWALK.



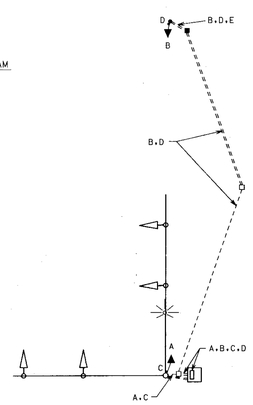
A. EQUIPMENT TO BE FURNISHED BY THE ADMINISTRATION

ITEM NO.	QUANTITY	DESRIPTION
	1 EACH	12" ONE WAY, TWO SECTION PEDESTRIAN SIGNAL, MAST ARM POLE MOUNTED HARDWARE
	1 EACH	12" ONE WAY, TWO SECTION PEDESTRIAN SIGNAL, PEDESTRIAN POLE MOUNTED HARDWARE
	1.5 S.F.	2 EACH R10-4(1) SIGN, "PUSH BUTTON TO CROSS CENTRAL AVENUE", 9" x 12", POLE MOUNTED HARDWARE

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

ITEM NO.	QUANTITY	DESRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2001	1 C.Y.	TEST PIT EXCAVATION
5003	210 L.F.	F & I 12" WHITE PERMANENT PREFORMED PAVEMENT MARKING
6001	165 S.F.	F & I 4" CONCRETE SIDEWALK
6002	20 L.F.	F & I STANDARD TYPE A COMBINATION CURB AND GUTTER 12" GUTTER PAN 8" DEPTH
6010	20 S.F.	F & I 4" DEPRESSED CURB AND GUTTER
8001	.5 C.Y.	F & I CONCRETE FOR SIGNAL FOUNDATION
8003	1 EACH	F & I 10' BREAKAWAY PEDESTAL POLE AND BASE
8011	2 EACH	INSTALL SIGNAL HEAD (ANY TYPE)
8024	10 L.F.	F & I 2" SCHEDULE 80 RIGID PVC CONDUIT – TRENCHED
8028	60 L.F.	F & I 3" SCHEDULE 80 RIGID PVC CONDUIT – SLOTTED
8033	1 EACH	F & I ELECTRICAL HANDHOLE
8034	1 EACH	F & I GROUND ROD – ¾" x 10'
8042	200 L.F.	F & I ELECTRICAL CABLE – 2 CONDUCTOR (NO. 14 AWG)
8043	220 L.F.	F & I ELECTRICAL CABLE – 3 CONDUCTOR (NO. 14 AWG)
8049	10 L.F.	F & I NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8053	1.5 S.F.	INSTALL GROUND MOUNTED SIGN

WIRING DIAGRAM



A-B = 3 CONDUCTOR CABLE (NO. 14 AWG)
C-D = 2 CONDUCTOR CABLE (NO. 14 AWG)
E = NO. 6 AWG STRANDED BARE COPPER GROUND WIRE

UTILITY LEGEND

G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
D	STORM DRAIN

REVISIONS	APPROVALS
A 02/99 – ADDED PEDESTRIAN SIGNALS, PUSHBUTTONS, & SIGNS TO EAST SIDE OF MD 214	Dimitrios A. Zafiris, ASST. DIVISION CHIEF, TEDD
SHA NO.\ AW275185	ASST. DISTRICT ENGINEER, TRAFFIC
	Barry A. King, CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	T. Hicks, DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 214 and CINDY LANE
SEAT PLEASANT, MARYLAND

SIGNAL NO. 03004002.16 DATE AUGUST, 1998

DRAWN BY: W Malcolm	F.A.P. NO. AC-STPG-0005(587)E	PLAN SHEET NO.	SHEET NO.
DES. BY: W Malcolm	S.H.A. NO. 23855T2507441		
CHECK BY: D.J. Dola	COUNTY PRINCE GEORGE'S	TS-3829 A	1 OF 1
SCALE: 1" = 20'			

Z:\SHA\Traffic\Signals\Ed\cindy.dgn Feb 26, 1999 10:03:24