MD 193 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION.

EXISTING SIGNALS

3-8 R Y G 12"

1.2 R Y G 12"

EXISTING SIGNS

13.14 ONLY ONLY

PROPOSED SIGNALS

9-12

PROPOSED SIGNS

15,16 36" F16 12X36 F16 AHEAD

17 F16 30" F16

18 F16 30" F16

NEMA PHASING

Ø1 Ø2 Ø3 Ø6 Ø3 ALT

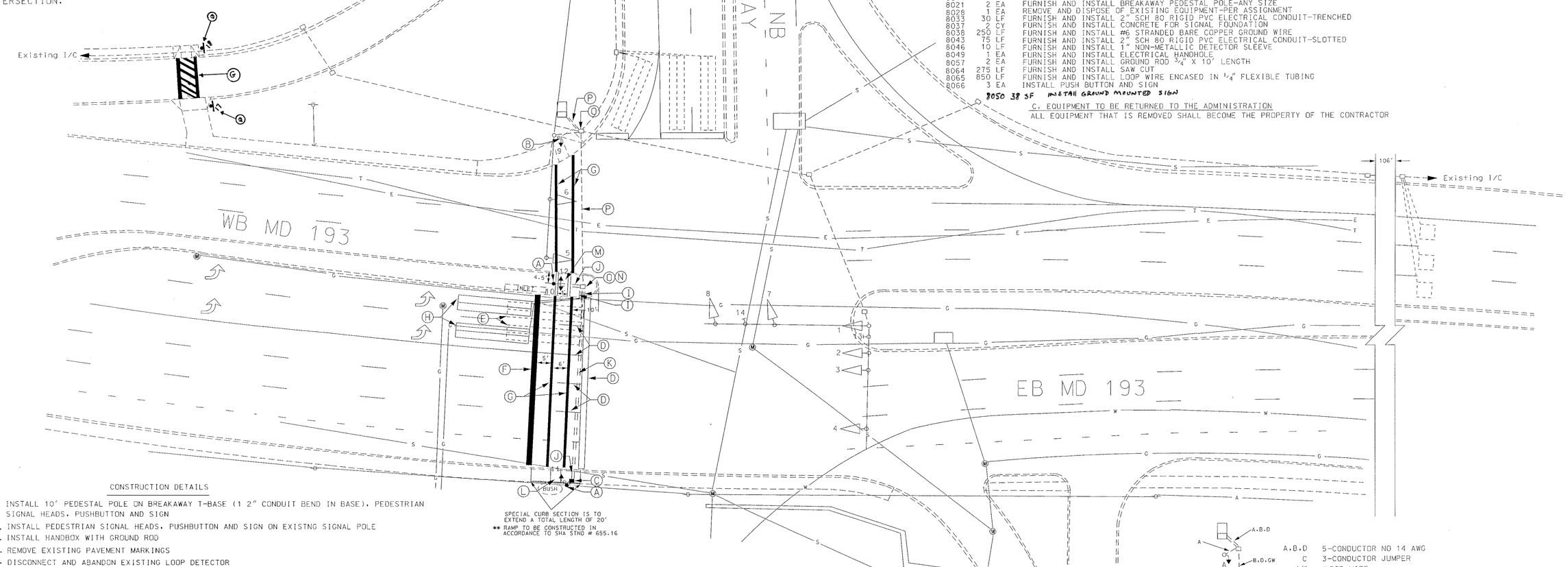
FLASHING OPERATION

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF A CROSSWALK AND PEDESTRIAN SIGNALS AND PUSHBUTTONS FOR THE WEST LEG OF THE INTERSECTION.



SPECIAL CURB SECTION IS TO EXTEND A TOTAL LENGTH OF 20'
** RAMP TO BE CONSTRUCTED IN ACCORDANCE TO SHA STND # 655.16

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

QUANTITY	ITEM DESCRIPTION
3 EA	PUSHBUTTON AND SIGN TO READ "PUSH BUTTON TO CROSS GREENBELT RD"

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

ITEM	QUANTITY	ITEM DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
2001	4 CY	CLASS II EXCAVATION
2002	1 CY	TEST PIT
5002	~~230~~ LF 300	FURNISH AND INSTALL 12" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING
5003	70 LF	FURNISH AND INSTALL 24" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5004	100 LF	REMOVE EXISTING PAVEMENT MARKINGS-ANY WIDTH
6001	1 EA	FURNISH AND INSTALL DEPRESSED CURB AND GUTTER
6002	20 LF	FURNISH AND INSTALL TYPE A COMBINATION CURB AND GUTTER
6004	175 SF	FURNISH AND INSTALL 4" CONCRETE SIDEWALK
8014	8 EA	FURNISH AND INSTALL 12" PEDESTRIAN SIGNAL HEAD SECTION
8021	2 EA	FURNISH AND INSTALL BREAKAWAY PEDESTAL POLE-ANY SIZE
8028	1 EA	REMOVE AND DISPOSE OF EXISTING EQUIPMENT-PER ASSIGNMENT
8033	30 LF	FURNISH AND INSTALL 2" SCH 80 RIGID PVC ELECTRICAL CONDUIT-TRENCHED
8037	2 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8038	250 LF	FURNISH AND INSTALL #6 STRANDED BARE COPPER GROUND WIRE
8043	75 LF	FURNISH AND INSTALL 2" SCH 80 RIGID PVC ELECTRICAL CONDUIT-SLOTTED
8046	10 LF	FURNISH AND INSTALL 1" NON-METALLIC DETECTOR SLEEVE
8049	1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8057	2 EA	FURNISH AND INSTALL GROUND ROD 3/4" X 10' LENGTH
8064	275 LF	FURNISH AND INSTALL SAW CUT
8065	850 LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN 1/4" FLEXIBLE TUBING
8066	3 EA	INSTALL PUSH BUTTON AND SIGN
8050	38 SF	INSTALL GROUND MOUNTED SIGN

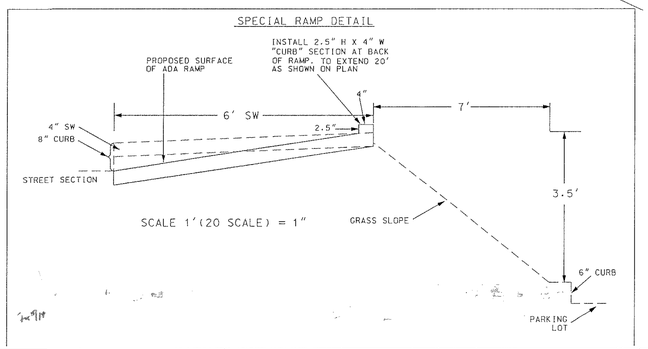
C. EQUIPMENT TO BE RETURNED TO THE ADMINISTRATION

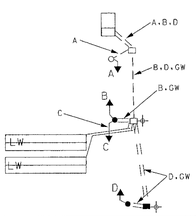
ALL EQUIPMENT THAT IS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR

CONSTRUCTION DETAILS

A. INSTALL 10' PEDESTAL POLE ON BREAKAWAY T-BASE (1 2" CONDUIT BEND IN BASE). PEDESTRIAN SIGNAL HEADS. PUSHBUTTON AND SIGN
B. INSTALL PEDESTRIAN SIGNAL HEADS. PUSHBUTTON AND SIGN ON EXISTNG SIGNAL POLE
C. INSTALL HANDBOX WITH GROUND ROD
D. REMOVE EXISTING PAVEMENT MARKINGS
E. DISCONNECT AND ABANDON EXISTING LOOP DETECTOR
F. INSTALL 24" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING
G. INSTALL 12" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING
H. INSTALL 6X30 QUADRUPOLE LOOP DETECTOR (3-6-3 WINDING) ENCASED IN 1/4" FLEXIBLE TUBING LOOP TO BE PLACED 1' BEHIND STOPLINE
I. INSTALL 1" FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
J. INSTALL 2" CONDUIT-TRENCHED
K. INSTALL 2" CONDUIT-SLOTTED
L. INSTALL ADA RAMP ACCORDING TO SHA STANDARDS. INSTALL CURB SECTION AT BACK OF RAMP AS NOTED IN SPECIAL RAMP DETAIL.
M. EXCAVATE MEDIAN TO ALLOW FOR MEDIAN ADA ACCESS (4' WALKWAY WIDTH). INSTALL CURB AND GUTTER TO MATCH EXISTING CURB
N. INSTALL GROUND ROD INTO EXISTING HANDBOX
O. USE EXISTING HANDBOX
P. USE EXISTING CONDUIT
Q. INSTALL GROUND MOUNTED SIGN

SPECIAL RAMP DETAIL





A.B.D 5-CONDUCTOR NO 14 AWG
C 3-CONDUCTOR JUMPER
LW LOOP WIRE
GW #6 BARE COPPER STRANDED GROUND WIRE

UTILITY LEGEND

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

REVISIONS	APPROVALS
(B) INSTALL PEDESTRIAN PUSHBUTTONS AND INDICATIONS E717 CJS 9/01	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
A REDLINE REVISION TO RELOCATE MAST ARM POLES (TRAFFIC GROUP) 4-92 DJD	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 193 @ RAMP TO B/W PARKWAY

DRAWN BY: J. BOLING	F.A.P. NO. 23354125028579	T.S. NO. 2486-B	SHEET NO.
CHECKED BY: D. DODA	S.H.A. NO. PRINCE GEORGE'S	T.I.M.S. NO. N/A	1 OF 1
SCALE: 1:20	COUNTY:		
DATE: 5-18-88	LOG MILE: 16019306.97		

94