

PROJECT DESCRIPTION
 THIS PROJECT INVOLVES CONVERTING THE EXISTING I.C.B AT MD 30 AND RUE ST. LO DRIVE TO AN ELECTRIC FLAG, WITH A PUSHBUTTON AND POINT CONTROL SIGNAL INSTALLED IN THE GUARDHOUSE.

INTERSECTION OPERATION
 THE INTERSECTION WILL OPERATE IN A FLASHING YELLOW MODE. THE RED PHASE WILL BE ACTIVATED BY PUSHBUTTON LOCATED AT THE GUARDHOUSE STOPPING THE MD 30 APPROACHES.

MD 30 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROJECT CONTACTS

THE PROJECT CONTACTS ARE AS FOLLOWS:

MR. DAVE MALKOWSKI DISTRICT ENGINEER PHONE 410-321-2810	MR. JOSEPH MCMAHON DISTRICT UTILITY ENGINEER PHONE: 410-321-2841
MR. RANDALL SCOTT ASSISTANT DISTRICT ENGINEER-TRAFFIC PHONE: 410-321-2780	MR. RICHARD DAFF, CHIEF TRAFFIC OPERATION DIVISION PHONE: 410-787-7630
MR. DAVID RAMSEY ASSISTANT DISTRICT ENGINEER-MAINTENANCE PHONE: 410-321-2761	

THE CONTRACTOR MUST CONTACT THE SITE MANAGER AND RESERVATION MANAGER FOR CAMP FRETTERD MILITARY RESERVATION BEFORE STARTING CONSTRUCTION.

CSM (RET) JAMES B. STECKEL RESERVATION MANAGER 410 833-1992	CPT. MULLEN SITE MANAGER 410 833-1992
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EQUIPMENT TO BE FURNISHED BY SHA

ITEM NUMBER	QUANTITY	DESCRIPTION
* 9000	1 EA	SIGNAL INDICATION FOR POINT CONTROL PERSON
9096	1 EA	PUSHBUTTON

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

ITEM NUMBER	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
2001	1 CY	TEST PIT EXCAVATION
5000	50 LF	FURNISH AND INSTALL 24 INCH WHAPPT PAVEMENT MARKING TAPE
6004	10 SF	4 INCH CONCRETE SIDEWALK
8006	8 EA	FURNISH AND INSTALL 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION (NOTE: PROVIDE STROBES FOR RED INDICATIONS)
8011	4 EA	FURNISH AND INSTALL 8 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8019	300 LF	FURNISH AND INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT -TRENCHED
8035	3 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8043	350 LF	FURNISH AND INSTALL 5 CONDUCTOR ELECTRICAL CABLE NO. AWG
8047	1 EA	INSTALL PUSHBUTTON
8000	350 LF	FURNISH AND INSTALL 2 CONDUCTOR ELECTRICAL CABLE NO. 14 AWG
8000	1 EA	REMOVAL AND DISPOSAL OF EXISTING MATERIAL AND EQUIPMENT
8000	1 EA	FURNISH AND INSTALL MISC. EQUIPMENT FOR THE INSTALLATION, INVOLVING
NEG	L.S.	INSIDE AND OUTSIDE THE GUARDHOUSE FOR THE ACTIVATION OF THE ELECTRIC FLAG.

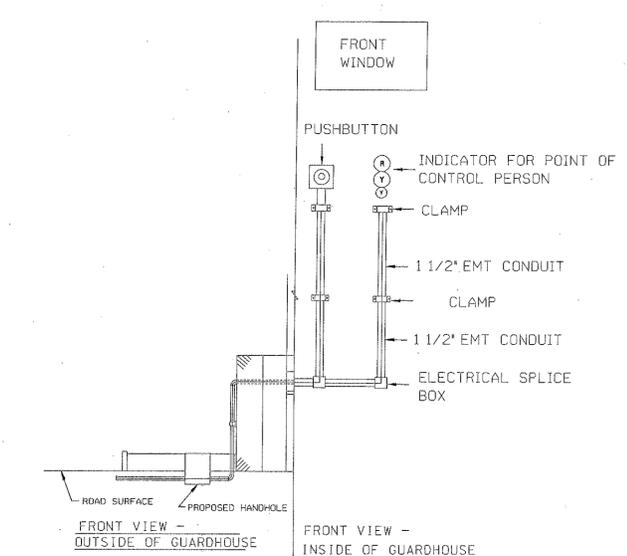
* TO BE INSTALL BY SHA SIGNAL SHOP

CONSTRUCTION DETAILS

- A. INSTALL TRAFFIC SIGNAL HANDHOLE.
- B. INSTALL 2 INCH SCHEDULE 80 PVC CONDUIT TRENCHED.
- C. USE EXISTING TRAFFIC SIGNAL HANDHOLE AND CONDUIT.
- D. USE EXISTING POLE MOUNTED CABINET.
- E. REMOVE EXISTING ONE SECTION SIGNAL HEAD. REPLACE WITH NEW THREE SECTION SIGNAL HEAD AS SHOWN.
- F. REMOVE AND DISPOSE OF EXISTING ONE SECTION SIGNAL HEAD.
- G. INSTALL 2 INCH SCHEDULE 80 PVC CONDUIT SLOTTED.
- H. REMOVE EXISTING SIDEWALK. INSTALL HANDHOLE. REPLACE SIDEWALK.
- I. INSTALL 1 1/2" EMT CONDUIT. SEE DRAWING FOR DETAILS.
- J. INSTALL 24 INCH PAVEMENT MARKING TAPE.

TELEPHONE 20' 2"
TELEPHONE 21' 4"
TELEPHONE 22' 4"
TELEPHONE 22' 8"

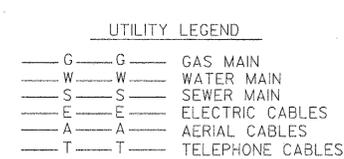
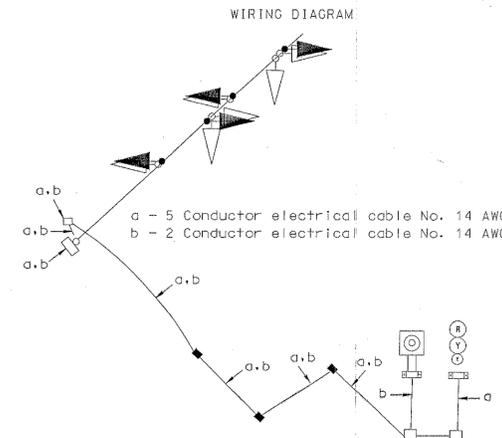
TELEPHONE 21' 3"
TELEPHONE 22' 4"
TELEPHONE 23' 9"
TELEPHONE 23' 11"



PHASE CHART

	1	2	3	4
Normal	R	R	R	R
Operation	Y	Y	Y	Y
SPECIAL OPERATION	Y	Y	Y	Y

Normal	8' FL/Y	8' FL/Y	8' FL/Y	8' FL/Y
Operation	QUICK	QUICK	QUICK	QUICK
SPECIAL OPERATION	12" Y	12" Y	12" Y	12" Y
	R	R	R	R



REVISIONS	APPROVALS
	ORIGINAL
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ON
	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	FILE
	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety
 TRAFFIC ENGINEERING DESIGN DIVISION
 MD 30 AND RUE SAINT LO DRIVE

12/2000
 CONVERT ICB TO AN ELECTRIC FLAG WITH P.B. AT GUARDHOUSE

DRAWN BY:	F.A.P. NO.	TS NO.	SHEET NO.
CHECKED BY:	S.H.A. NO.	3955 (A)	
SCALE:	COUNTY:	BALTIMORE	T.I.M.S. NO.
DATE:	LOG MILE:	03003002.26	E-393