US 40 ALT. IS ASSUMED TO RUN
IN THE EAST WEST DIRECTION

EXISTING SIGN
TO BE REPLACED

5.6

S2-1(2)MOD
36" x 42"

PROPOSED SIGNS

5.6

S1-1(SCHOOL)-FYG
36" x 42"

EXISTING SIGNAL HEADS
TO BE REPLACED

1,2,3,4
(R) 12"
(Y) 12"
(Y) 8"

PROPOSED SIGNAL HEADS

1,2,3,4
(R) 12" W/STROBE
(Y) 12"
(Y) 12"

NEMA PHASING

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification to the existing flag in the air signal located at the intersection of US 40 Alt. and Parkside Blvd. in Allegany County.
The modifications involve replacing the existing signal heads with four, 12 inch one-way, three section (R,Y,Y) signal heads. Strobes will be added to the red indications.
Also, the school signs will be upgraded to fluorescent yellow green.
US 40 Alt. is considered to run in a east-west direction.

II. INTERSECTION OPERATION

1.NORMAL OPERATION

Flashing yellow indications for US 40 Alt.

2.Pre-emption Phase Operation

Solid red indications for US 40 Alt.

EQUIPMENT TO BE FURNISHED BY SHA

ITEM #	Quantity	units	Description
9004	21	SF	School Sign "S1-1(2)" - FYG, MAST ARM MOUNTED

EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM #	Quantity	units	Description
1001	1	EA	Maintenance of traffic
1002	1	EA	Mobilization (per asssignment)
8015	12	EA	Furnish and install 12 inch vehicular traffic signal head section, black face (Note: Add strobe indication to red ball)
8051	21	SF	Install overhead sign
8028	1	EA	Remove and dispose of existing material and equipment per assignment

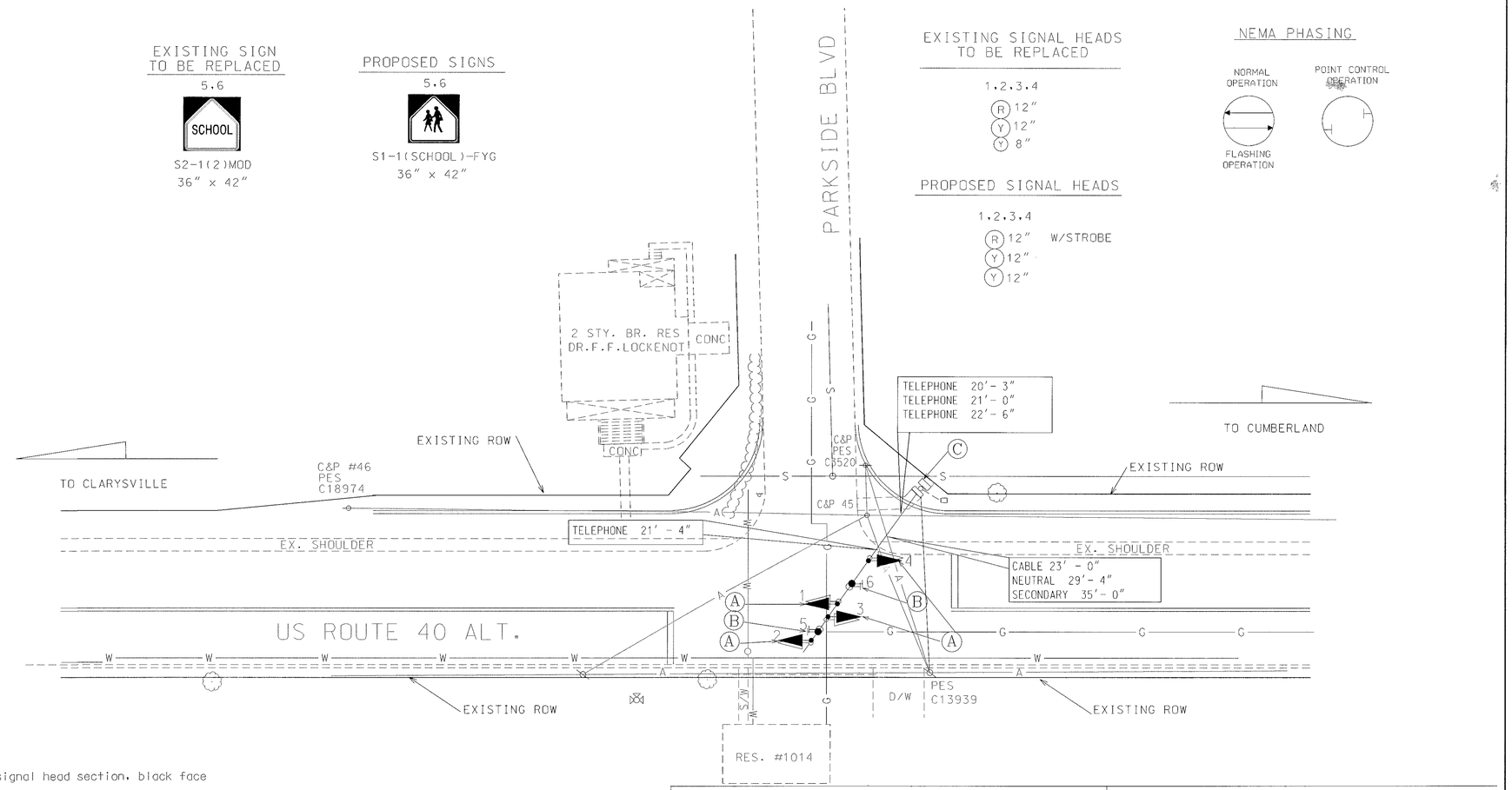
NOTE: All removed equipment and/or material shall became the property of the Contractor.

CONSTRUCTION DETAILS

(A) REMOVE EXISTING SIGNAL HEAD. REPLACE WITH NEW 12" THREE-SECTION SIGNAL HEAD- BLACK FACED WITH RED STROBES.

(B) REMOVE EXISTING SIGN. REPLACE WITH NEW SCHOOL "S1-1" FYG SIGN.

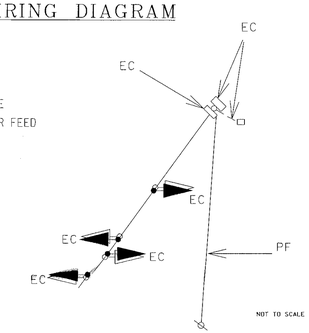
(C) USE EXISTING POLE MOUNTED CABINET.



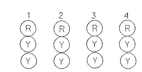
WIRING DIAGRAM

WIRING KEY

EC EXISTING CABLE
PF EXISTING POWER FEED



PHASING CHART



NORMAL OPERATION	12" FL/Y	12" FL/Y	12" FL/Y	12" FL/Y
POINT CONTROL OPERATION	12" FL/Y QUICK	12" FL/Y QUICK	12" FL/Y QUICK	12" FL/Y QUICK
	12" Y	12" Y	12" Y	12" Y
	12" R	12" R	12" R	12" R
Flashing Operation	FL Y	FL Y	FL Y	FL Y

PROJECT CONTACTS

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MR. EDWARD RODENHIZER, CHIEF
SHA TRAFFIC SIGNAL SHOP
PHONE: 410-787-7650

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

(A) REPLACE EXISTING SIGNAL HEADS, ADD A STROBE TO THE RED INDICATION AND UPGRADE SCHOOL SIGNS TO FYG. S.H.A. No. OT 2000
BVD

APPROVALS

ORIGINAL ON FILE

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
US 40 ALT. AT PARKSIDE BLVD.

DRAWN BY: YLT	F.A.P. NO.	23854(125D2860)	TS NO. 4112 A	SHEET NO.
CHECKED BY: RJM	S.H.A. NO.			
SCALE: 1"=20'	COUNTY:	ALLEGANY	T.I.M.S. NO. E-648	1 OF 1
DATE: 11/2/99	LOG MILE:	0140AL07.90		