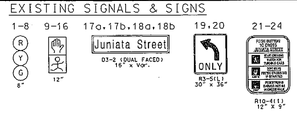
MD 7A/ OSTEGO STREET IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.

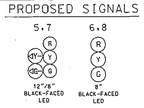
EXISTING SIGNALS & SIGNS

1-8 9-16 17a.17b.18a.18b 19.20 21-24



PROPOSED SIGNALS

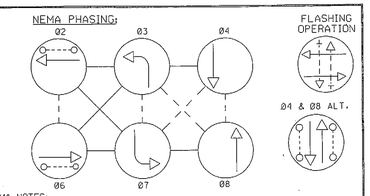
5.7 6.8



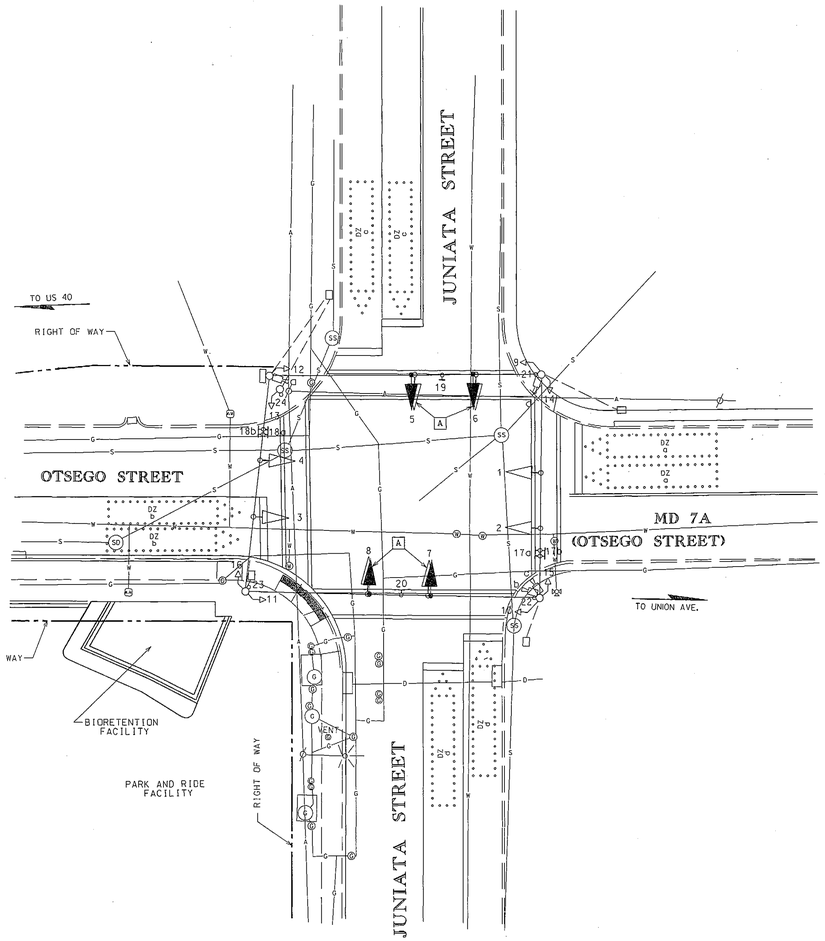
CONSTRUCTION DETAILS

A. INSTALL THE PROPOSED SIGNAL HEAD.
REMOVE THE EXISTING SIGNAL HEAD.

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.

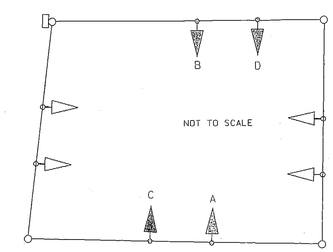


PHASE CHART

	1	2	3	4	5	6	7	8	9-12	13	14-15	16
PHASE 2 & 6	G	G	G	G	R	R	R	R	WK	DW	DW	DW
PED. CLEAR	G	G	G	G	R	R	R	R	FL/DW	DW	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW
PHASE 3 & 7	R	R	R	R	◀G - R	R	◀G - R	R	DW	DW	DW	DW
3 & 7 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 3 & 8 OR 4 & 7 OR 4 & 8											
PHASE 3 & 8	R	R	R	R	◀G - G	G	R	R	DW	DW	WK	DW
3 CHANGE	R	R	R	R	◀Y - G	G	R	R	DW	DW	WK	DW
PHASE 4 & 7	R	R	R	R	R	R	◀G - G	G	DW	WK	DW	WK
7 CHANGE	R	R	R	R	R	R	◀Y - G	G	DW	WK	DW	WK
PHASE 4 & 8	R	R	R	R	G	G	G	G	DW	DW	DW	DW
4 & 8 CHANGE	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
4 & 8 ALT.	R	R	R	R	G	G	G	G	DW	WK	WK	WK
PED. CLEAR	R	R	R	R	G	G	G	G	DW	FL/DW	FL/DW	FL/DW
4 & 8 ALT. CHANGE	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

WIRING DIAGRAM

A-D = USE EXISTING CABLE



EQUIPMENT LIST:

A. EQUIPMENT FURNISHED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9006	4 EACH	12" VEHICULAR BLACK FGACED LED TRAFFIC SIGNL HEAD SECTION
9033	15 EACH	8" VEHICULAR BLACK FACED LED TRAFFIC SIGNAL HEAD
9073	2 EACH	SIGNAL HEAD HARDWARE SPAN MOUNT 3 SECTION - 8"
9075	2 EACH	SIGNAL HEAD HARDWARE SPAN MOUNT 5 SECTION - 8"/ 12" COMBO

B. EQUIPMENT TO BE FURNISHED AND/ OR INSTALLED BY THE SHA SIGNAL SHOP

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8001	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT
8002	4 EACH	INSTALL TRAFFIC SIGNAL HEAD

PROJECT CONTACTS

THE PROJECT CONTACTS ARE AS FOLLOWS:

MS. ERIN KUHN
ASSISTANT DISTRICT ENGINEER- TRAFFIC
PHONE: (410) 321-2781

MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

MR. MICHAEL PASQUARIELLO
ASSISTANT DISTRICT ENGINEER - UTILITIES
PHONE: (410) 841-1039

MR. RICHARD DAFF
CHIEF. TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF. TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7631

MR. EDWARD RODENHIZER
CHIEF. SIGNAL OPERATIONS SECTION
PHONE: (410) 787-7652

NOTES TO THE CONTRACTOR:

1. 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.
2. ALL UNUSED CABLES SHALL BE REMOVED FROM THE EXISTING CONDUITS.

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
D — D	STORM DRAIN

APPROVALS	REVISIONS
TEAM LEADER	C. 11/2008 - INSTALL EXCLUSIVE/ PERMISSIVE LEFT TURNS FOR JUNIATA STREET
ASST. DIV. CHIEF	SHA NO. SF-SIGNAL W/TMS-200 (J775)
DIVISION CHIEF	B. 04/2001 - INSTALL PEDESTRIAN SIGNAL HEADS & PHASING ON ALL APPROACHES; ADD VIDEO DETECTION; REVISED BIORETENTION FACILITY; SHA NO. HA2485181; TIMS NO. F469
OFFICE DIRECTOR	A. 01/13/1981 - AS BUILT
	SHA NO. H-701X-000-485

ORIGINATION FILE

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 7A (OSTEGO STREET)/ OSTEGO STREET AND JUNIATA STREET HAVRE DE GRACE, MARYLAND

SCALE 1"= 20' DATE 08/12/1975 CONTRACT NO. H-701X-000-485

DESIGNED BY: Bruce Thompson
DRAWN BY: Bruce Thompson
CHECKED BY: Al Rudzinski
F.A.P. NO.:
COUNTY: HARFORD
LOGMILE: 120007A02.40
TIMS NO.: J775
TOD NO.:

DRAWING NO. 1084 C - OF SHEET NO. 1 OF 1

DRILL HOLES
DRILL HOLES
DRILL HOLES