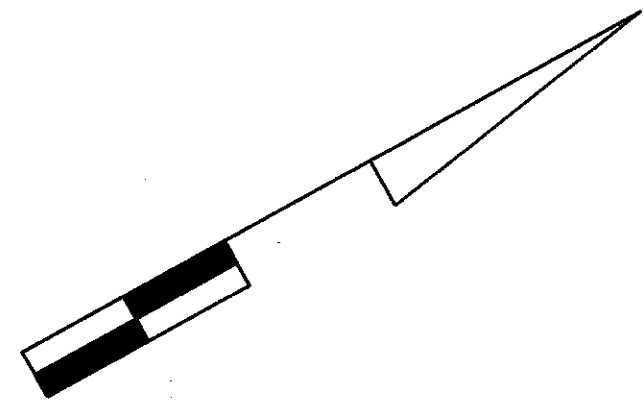




NOTE: US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

EXISTING SIGNS

20,22
LEFT TURN
YIELD
ON GREEN
R 10-12
36"X42"

21a,21b,23a,23b
38TH Street
D3-2

24
SOUTH
1
←

ASSOCIATED
SHIELD
ASSEMBLY

25
NORTH EAST SOUTH
1 208 1
← ↑ →

ASSOCIATED
SHIELD
ASSEMBLY

PROPOSED SIGNALS

14,15
R 12"
Y 12"
G 8"

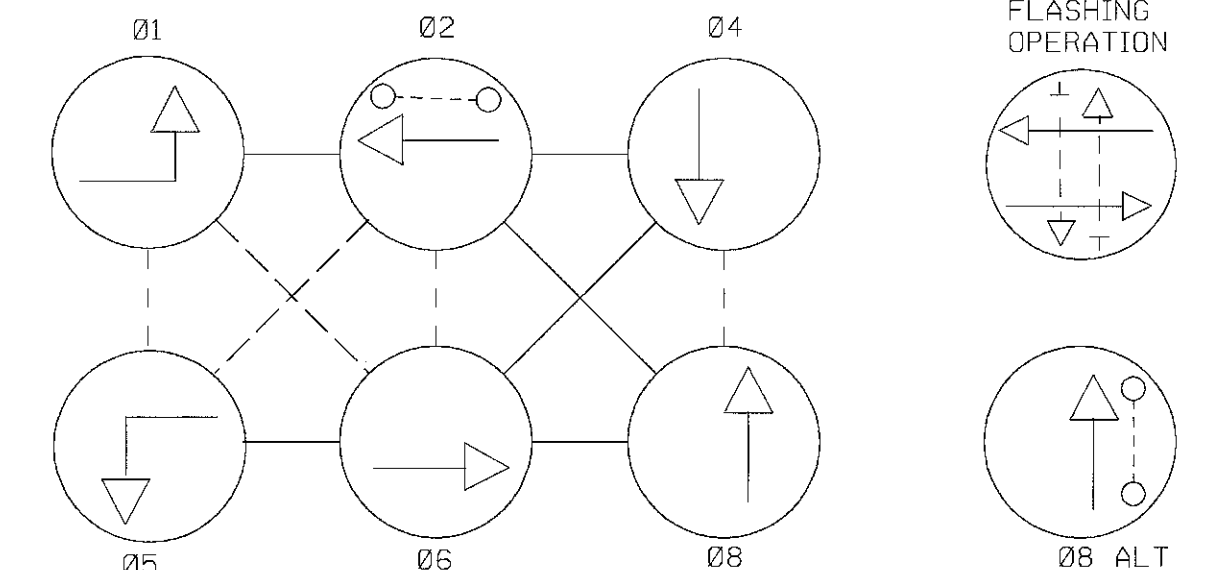
EXISTING SIGNALS

1,4
R 8"
Y 8"
G 8"
2,5
R 12"
Y 12"
G 12"
3,6,8,
9,12,13
R 12"
Y 12"
G 12"

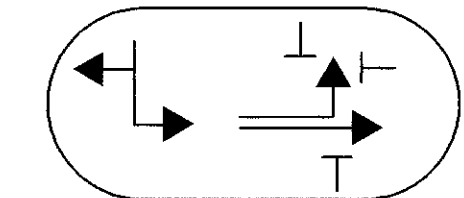
16-19
↓
12"

7
R 8"
Y 8"
G 8"
10,11
R 12"
Y 12"
G 8"

NEMA PHASING

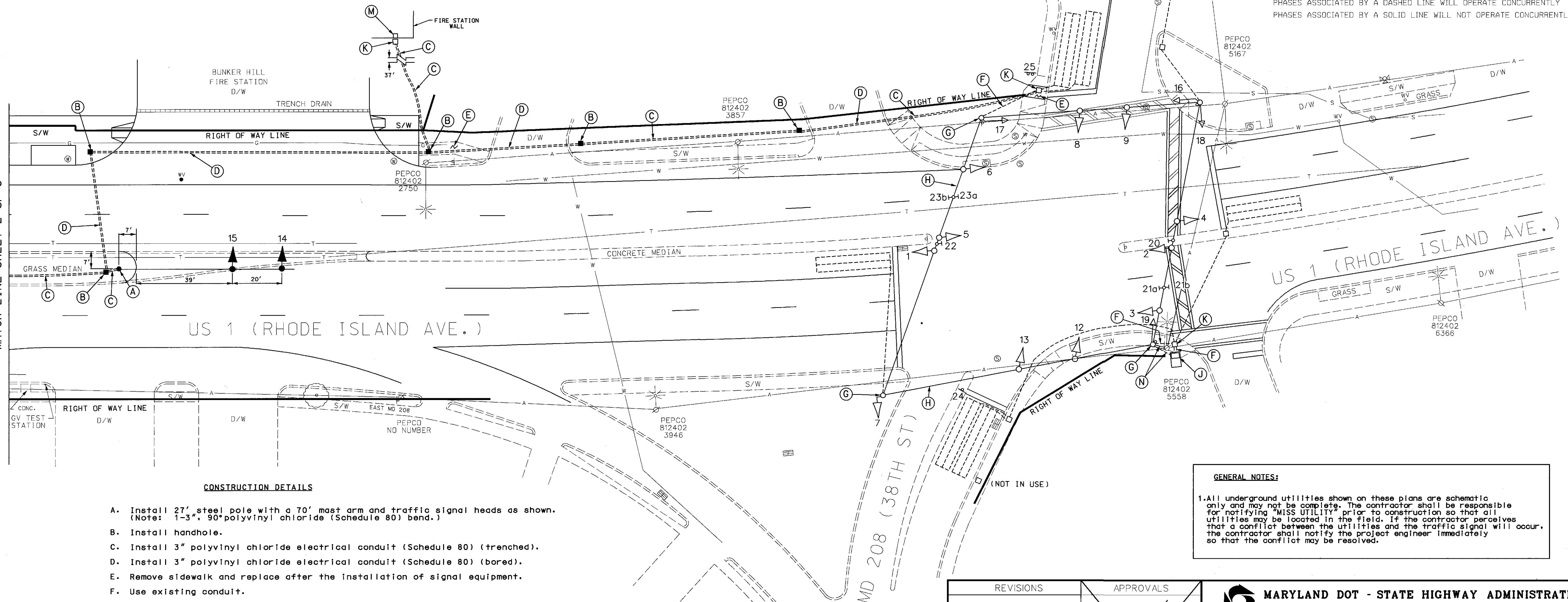


FIREHOUSE PRE-EMPTION



PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

MATCH LINE SHEET 2 OF 3



CONSTRUCTION DETAILS

- Install 27' steel pole with a 70' mast arm and traffic signal heads as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
- Install handhole.
- Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- Install 3" polyvinyl chloride electrical conduit (Schedule 80) (bored).
- Remove sidewalk and replace after the installation of signal equipment.
- Use existing conduit.
- Use existing strain pole.
- Use existing span wire.
- Use existing base-mounted cabinet and controller. (The SHA signal shop shall install two (2) relay packages and a NEMA load switch for the pre-emption operation.)
- Use existing handhole.
- Use existing junction box in firehouse (See wiring diagram).
- Existing electrical service to be maintained by PEPCO.

GEOMETRIC LEGEND

PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE — A — A
ELECTRIC — E — E
TELEPHONE — T — T
GAS — G — G
SEWER — S — S
WATER — W — W
CABLE TV — TV — TV

GENERAL NOTES:

1. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" 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 will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.



REVISIONS		APPROVALS	
REVISION "C"		TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	
5/1/02	ADD FIREHOUSE SIGNAL AND I/C SHA #X1065205	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
RRZ	2/96	REPLACE DAMAGED CONDUIT & DETECTION SHA NO. P 146-501-383	
RCS	A	INSTALL E/P LT NB & SB US 1	
4094FH.dgn		DIRECTOR, TRAFFIC & SAFETY	



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
US 1 @ MD 208 (38 TH STREET)
US 1 @ BUNKER HILL FIRE STATION

DRAWN BY:
CHECKED BY:
SCALE: 1" = 20'
DATE: 9/90

F.A.P. NO.
S.H.A. NO. PC-4045A/B3A
COUNTY: PRINCE GEORGE'S
LOG MILE: 16.000100.39

TS NO.
TS 240C
T.I.M.S. NO.
E 913

SHEET NO.
1 OF 3