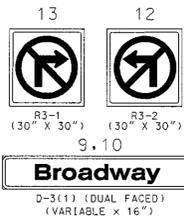


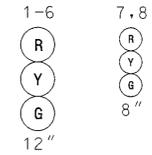


MD 213 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

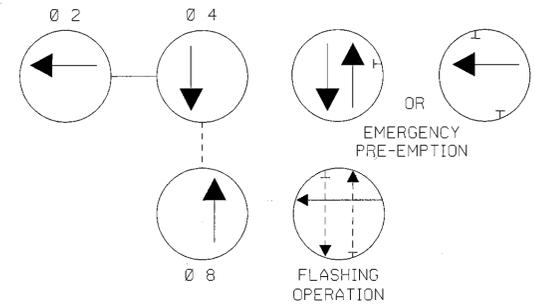
EXISTING SIGNS



EXISTING SIGNAL HEADS



NEMA PHASING



PROPOSED OPTICOM DETECTOR EYE

14.15

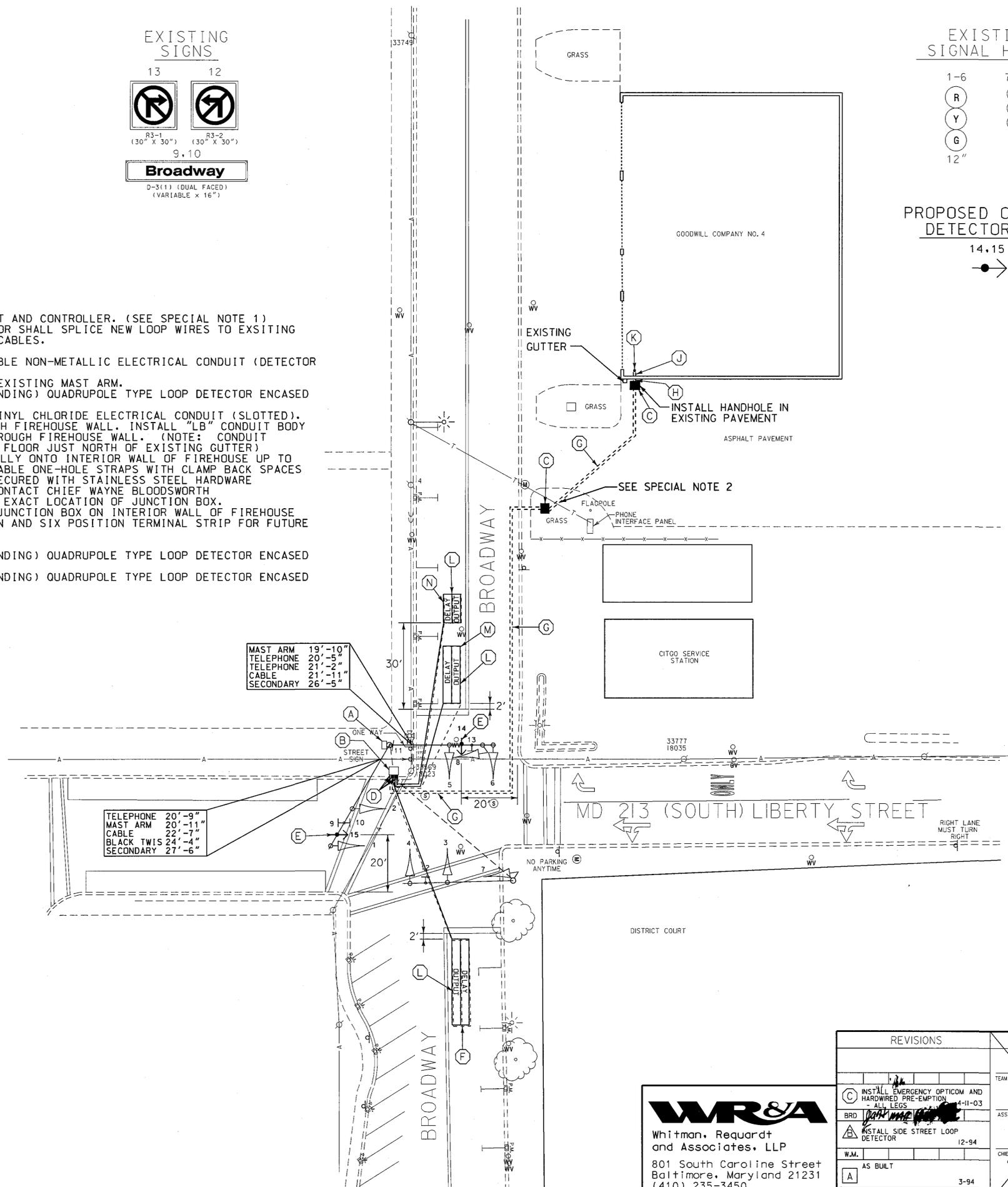


PHASING NOTES:

- 1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS

- A. USE EXISTING POLE MOUNTED CABINET AND CONTROLLER. (SEE SPECIAL NOTE 1)
B. USE EXISTING HANDHOLE. CONTRACTOR SHALL SPLICE NEW LOOP WIRES TO EXISTING 2-CONDUCTOR (ALUMINUM SHIELDED) CABLES.
C. INSTALL HANDHOLE.
D. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
E. INSTALL OPTICOM DETECTOR EYE ON EXISTING MAST ARM.
F. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
G. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
H. INSTALL 3/4 IN. EMT CONDUIT THROUGH FIREHOUSE WALL. INSTALL "LB" CONDUIT BODY ON OUTSIDE WHERE CONDUIT GOES THROUGH FIREHOUSE WALL. (NOTE: CONDUIT SHALL ENTER JUST ABOVE FIREHOUSE FLOOR JUST NORTH OF EXISTING GUTTER)
I. ATTACH 3/4 IN. EMT CONDUIT VERTICALLY ONTO INTERIOR WALL OF FIREHOUSE UP TO JUNCTION BOX LOCATION WITH MALLEABLE ONE-HOLE STRAPS WITH CLAMP BACK SPACES NOT MORE THAN 2 FEET ON CENTER SECURED WITH STAINLESS STEEL HARDWARE AS REQUIRED. CONTRACTOR SHALL CONTACT CHIEF WAYNE BLOODSWORTH AT (410) 490 - 1483 TO DETERMINE EXACT LOCATION OF JUNCTION BOX.
J. INSTALL 12 IN. X 12 IN. X 6 IN. JUNCTION BOX ON INTERIOR WALL OF FIREHOUSE WITH EMERGENCY SERVICE PUSHBUTTON AND SIX POSITION TERMINAL STRIP FOR FUTURE PUSHBUTTONS HOUSED WITHIN.
K. ABANDON EXISTING LOOP DETECTOR.
L. INSTALL 6 FT. X 20 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
M. INSTALL 6 FT. X 10 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.



TELEPHONE 20'-9"
MAST ARM 20'-11"
CABLE 22'-7"
BLACK TWIS 24'-4"
SECONDARY 27'-6"

MAST ARM 19'-10"
TELEPHONE 20'-9"
CABLE 21'-11"
SECONDARY 26'-5"

SPECIAL NOTES:

- 1. THE CONTRACTOR SHALL NOTIFY SHA SIGNAL SHOP TWO WEEKS PRIOR TO BEGINNING ANY WORK SO THAT THE DETECTOR RACK CAN BE RETROFITTED.
2. CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT TO AVOID DISTURBANCE OF EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL TEST PIT TO DETERMINE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGNAL EQUIPMENT.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE A
ELECTRICAL E
TELEPHONE T
GAS G
SEWER SS
STORM DRAIN SD
WATER W
CABLE TV TV

WR&A Whitman, Requardt and Associates, LLP
801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

Table with columns for REVISIONS and APPROVALS. Includes entries for emergency opticom installation and side street loop detector.

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 213 (LIBERTY ST.) SOUTH AND BROADWAY (CENTREVILLE, MD)
DRAWN BY: B. THOMPSON
CHECKED BY: A. BUDN
SCALE: 1" = 20'
DATE: 2-7-77