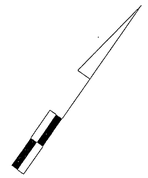
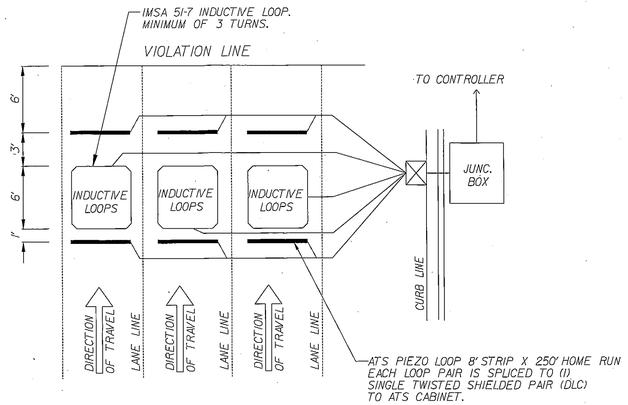
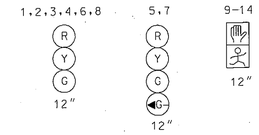


ALT US 1 IS ASSUMED TO RUN IN A NORTH/ SOUTH DIRECTION

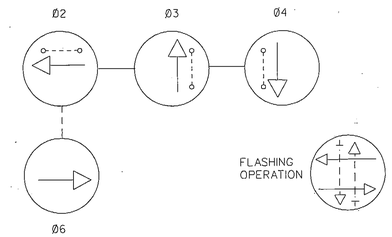
PIEZO LOOP CONDUIT LAYOUT DETAIL



EXISTING SIGNALS



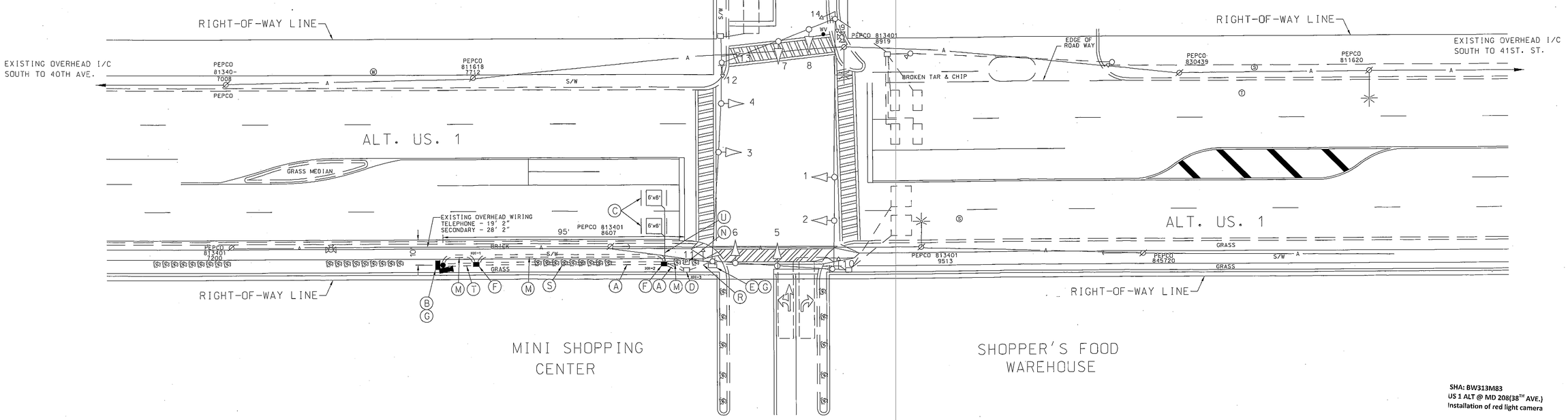
NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

GENERAL NOTES:

1. This plan reflects only those underground utilities that were apparent at the time of this location being asbuilt. A detailed review was not undertaken and this plan should not be construed as representing all underground utilities in the area.
2. Any modification to this subject signal should be preceeded by a thorough identification of all existing utilities.



SHA: BW313M83
US 1 ALT @ MD 208(38TH AVE.)
Installation of red light camera

CONSTRUCTION DETAILS

A. INSTALL 3" PVC SCHEDULE 80 CONDUIT. (TRENCHED)
B. INSTALL 20' ALUMINUM POLE, RED LIGHT CAMERA UNIT, AND CAMERA CONTROLLER CABINET. INSTALL A 3 CONDUCTOR #10 AWG IMSA 20-1 CABLE FROM PROPOSED RED LIGHT CAMERA CABINETS TO EXISTING POWER PEDESTAL.
C. INSTALL PIEZO LOOP DETECTOR FOR RED LIGHT CAMERA DETECTION. SEE PIEZO LOOP CONDUIT DETAIL.
D. USE EXISTING HANDHOLE.
E. UTILIZE EXISTING CONTROLLER CABINET.
F. INSTALL ELECTRICAL HANDHOLE.
G. INSTALL A 5 CONDUCTOR #14 AWG FROM RED LIGHT CAMERA CONTROLLER CABINET TO THE EXISTING TRAFFIC SIGNAL CONTROLLER TO TIE INTO THE RED & AMBER PHASES
M. INSTALL 2" PVC SCHEDULE 80 CONDUIT. (TRENCHED)
N. UTILIZE EXISTING POWER PEDESTAL.
Q. RELOCATE EXISTING CONTROLLER EQUIPMENT TO NEW CABINET.
R. UTILIZE EXISTING 3"CONDUIT.
S. RESTORE SHRUBS TO THEIR ORIGINAL QUALITY.
T. INSTALL 3" CONDUIT FROM JUNCTION BOX TO CAMERA POLE. INSTALL 3" BELL END CONDUIT BEND INTO POLE FOUNDATION.
U. INSTALL 1" FLEXIBLE LIQUID TIGHT CONDUIT FOR LOOP DETECTION.

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—

NOTE
These plans are approved for construction for a period of one (1) year from the date of approval. Should construction not begin within this time frame these plans shall be null and void without a re-review from the Traffic Engineering design Division.

McMAHON TRANSPORTATION ENGINEERS & PLANNERS

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

ALT US. 1 AND MD. 208 (38th AVE.)

TRAFFIC SIGNAL PLAN

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR
ORIGINAL ON FILE

REVISIONS
F 3-24-09 INSTALL NEW CONTROLLER CABINET
MCM CONTROLLER MD 208 W.H. TH #19
E 11-10-04 UPGRADE RED LIGHT CAMERA
STS
D 2-15-01 ASBUILT FOR RED LIGHT CAMERA
RRZ
C SPLIT PHASING FOR MD.208 & THE ENTR. TO FOOD WAREHOUSE 2/89
RFL

SCALE 1" = 20' DATE 2/15/01 CONTRACT NO.
DESIGNED BY Robert Ligon
DRAWN BY Robert Ligon
CHECKED BY
F.A.P. NO. N/A
COUNTY Prince George's
LOGMILE 16A00100.47
T.I.M.S. NO. J-544
TOD NO.
DRAWING NO. TS - 1103 G
SHEET NO. 1 OF 1