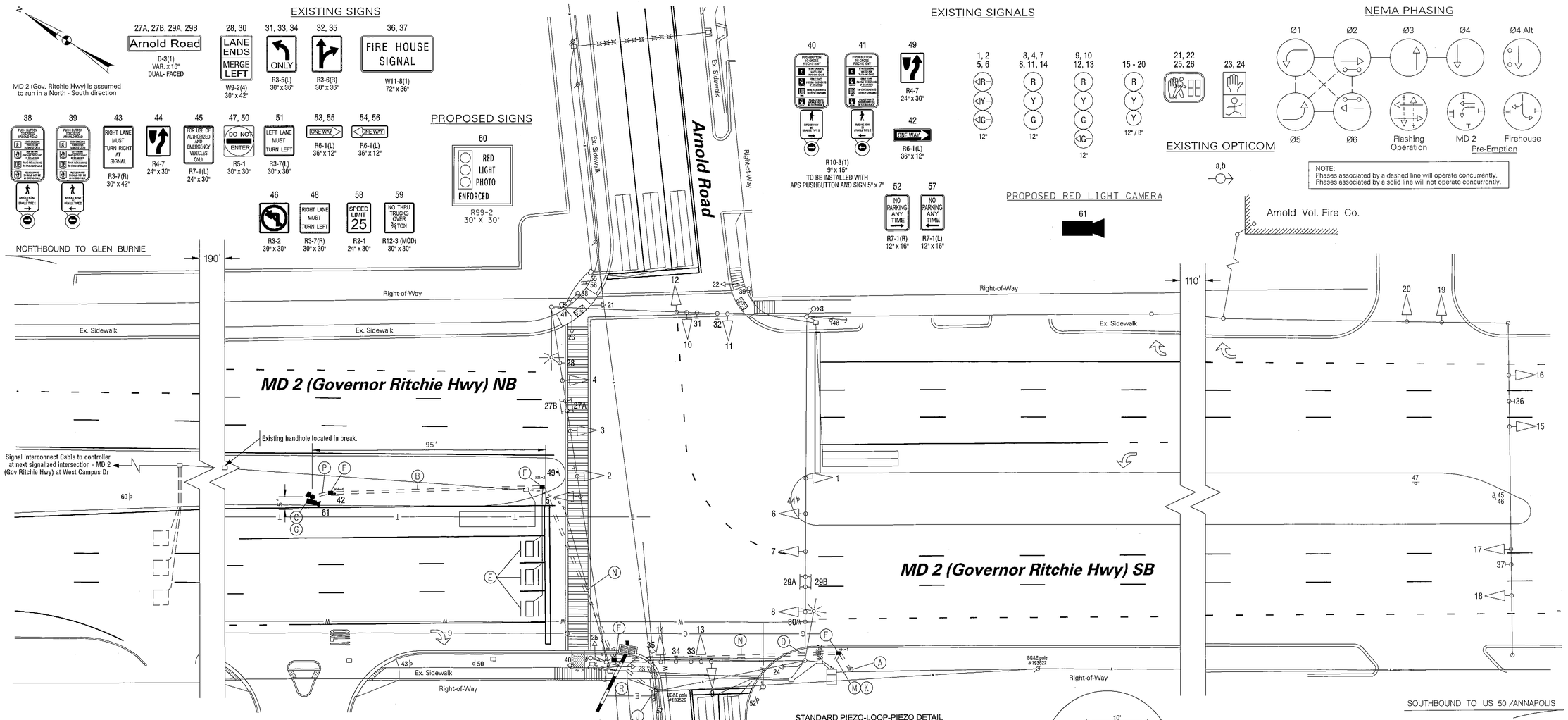


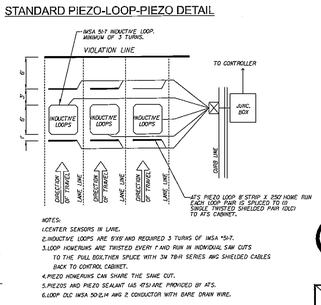
CONSTRUCTION DETAILS

A. UTILIZE EXISTING POWER PEDESTAL AND METER.
B. INSTALL 3" PVC SCHEDULE 80 CONDUIT (TRENCHED).
C. RELOCATE EXISTING 20' ALUMINUM POLE AND RED LIGHT CAMERA UNIT. INSTALL A 3 CONDUCTOR #10 AWG IMSA 20-1 CABLE FROM PROPOSED RED LIGHT CAMERA CABINET TO EXISTING POWER PEDESTAL.
D. INSTALL 2" PVC SCHEDULE 80 CONDUIT (TRENCHED).
E. INSTALL PIEZO LOOP DETECTOR FOR RED LIGHT CAMERA DETECTION. SEE STANDARD PIEZO-LOOP-PIEZO DETAIL.
F. INSTALL ELECTRICAL HANDHOLE.
G. INSTALL A 7 CONDUCTOR #14 AWG FROM RED LIGHT UNITS TO THE EXISTING TRAFFIC SIGNAL CONTROLLER TO TIE INTO THE RED & AMBER PHASES FOR EACH APPROACH.
J. INSTALL A COMMUNICATION DROP (IMSA 60-2) CONNECTING THE CAMERA CABINET TO THE EXISTING UTILITY DEMARCATION BOX. CONTACT SERVICE PROVIDER PRIOR TO BEGINNING WORK.
K. TERMINATE AT EXISTING TRAFFIC CONTROLLER FOR RED PHASE AND YELLOW PHASE.
M. UTILIZE EXISTING CONTROLLER/CABINET.
N. INSTALL 3" SCHEDULE 80 CONDUIT VIA DIRECTIONAL BORING.
P. INSTALL NEW 3" CONDUIT FROM JUNCTION BOX TO CAMERA POLE. INSTALL 3" BELL END CONDUIT BEND INTO POLE FOUNDATION.
R. INSTALL 2" PVC SCHEDULE 80 CONDUIT (TRENCHED). LEAVE 1' STUB ABOVE GRASS AT WOOD POLE.

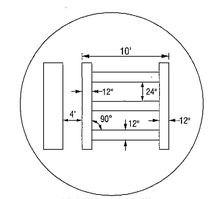
GEOMETRIC LEGEND
Existing
Proposed

ULTILITY LEGEND
Storm Drain
Gas Main
Water Main
Sewer Main
Electric Cables
Aerial Cables
Telephone Cables
Fiber-Optic

STANDARD PIEZO-LOOP-PIEZO DETAIL



NOTES:
1. CENTER SENSORS IN LANE.
2. INDUCTIVE LOOPS ARE 6'X6' AND REQUIRED 3 TURNS OF IMSA 51-7.
3. LOOP HOMERUNS ARE TWISTED EVERY 1' AND RUN IN INDIVIDUAL SAW CUTS TO THE PULL BOX/TIER SPLICE WITH 3M 76-11 SERIES AWG SHIELDED CABLES BACK TO CONTROL CABINET.
4. PIEZO HOMERUNS CAN SHARE THE SAME CUT.
5. PIEZOS AND PIEZO SEALANT (AS 4T3) ARE PROVIDED BY ATS.
6. LOOP OLC IMSA 50-2, #4 AWG 2 CONDUCTOR WITH BARE DRAIN WIRE.



CROSSWALK DETAIL
NOT TO SCALE

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

REVISIONS		
H	REVISIONS TO RED LIGHT CAMERAS	10/28/08
G	Modifications due to geometric changes. S.H.A. No. BM9960B2	July 12, 2007
F	upgrade redlight camera	1/12/06
X		

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.

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

MD 2 at Arnold Road

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 4/8/73 CONTRACT NO. A-810-2-576

DESIGNED BY J Spence
DRAWN BY J Spence
CHECKED BY
F.A.P. NO. N/A
COUNTY Anne Arundel
LOGMILE 0200225.15
T.I.M.S. NO. J-698
TOD NO.

DRAWING NO. TS - 324H
SHEET NO. 1 OF 1