BELLONA AVE IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

PROPOSED SIGNS

8 R3-1 (30"X30")

9 R3-5(MOD) (42"X36")

10 Bellona AVE D-3(1) (VAR. X 16")

11 ONLY R3-5(L) (30"X36")

12 R3-2 (30"X30")

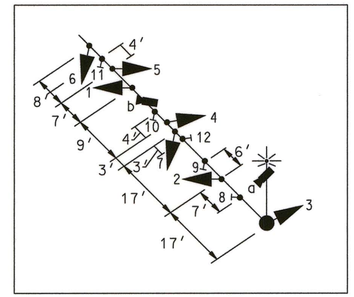
PROPOSED VIDEO DETECTION CAMERAS

a,b

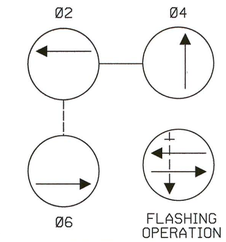
PROPOSED L.E.D. SIGNALS

1-7 R Y G 12"

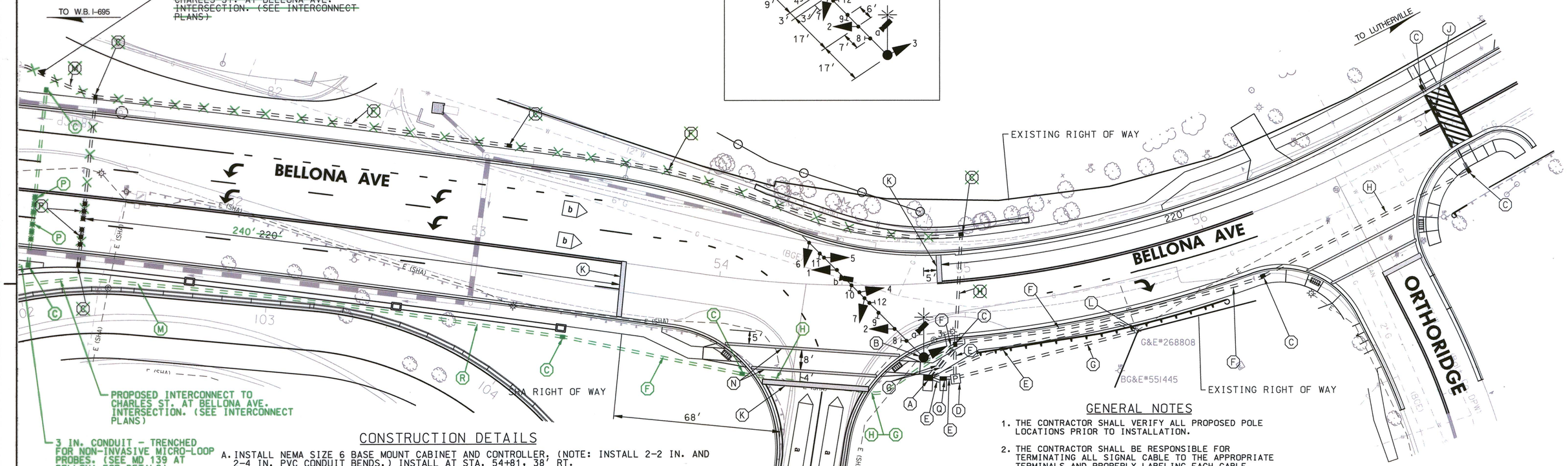
SIGNAL HEAD AND SIGN DIMENSIONS



NEMA PHASING



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. INSTALL NEMA SIZE 6 BASE MOUNT CABINET AND CONTROLLER, (NOTE: INSTALL 2-2 IN. AND 2-4 IN. PVC CONDUIT BENDS.) INSTALL AT STA. 54+81, 38' RT.

B. INSTALL 27 FT. MAST ARM POLE WITH 70 FT. MAST ARM, LED SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, 15 FT. STREET LIGHTING ARM, 250 WATT HPS LUMINAIRE WITH PHOTOCELL. NOTE: INSTALL 1-3 IN. PVC CONDUIT BEND IN POLE BASE. INSTALL POLE AT STA. ~~54+87~~, 30' RT.

C. INSTALL ELECTRICAL HANDHOLE

D. INSTALL METERED SERVICE PEDESTAL - EMBEDDED. INSTALL AT STA. 54+87, 40' RT.

E. INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED

F. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED

G. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED

H. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED

J. INSTALL NON-INVASIVE MICRO-LOOP PROBE SET WITH 500 FT. LEAND-IN CABLE 3 IN. CARRIER PIPE, BORED

K. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.

L. STUB CONDUIT AT POLE BASE; BGE TO MAKE FINAL CONNECTIONS

M. 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED (SEE INTERCONNECT PLAN)

N. INSTALL 12 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.

P. INSTALL NON-INVASIVE MICRO-LOOP PROBE SET WITH 1000 FT. LEAD-IN CABLE IN 3 IN. CARRIER PIPE (BORED).

Q. INSTALL BASE MOUNTED CABINET SIZE #5 WITH UPS SYSTEM NOTE: INSTALL 2-2 IN. CONDUIT BEND INTO FOUNDATION.

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE. ALL UNUSED CABLE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
3. 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.
4. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
5. VIDEO DETECTION CAMERA LOCATION/ALIGNMENT SHALL BE COORDINATED WITH THE SHA ENGINEER.
6. FOR LOCATION AND MD STANDARD OF SIDEWALK RAMPS AND DETECTABLE WARNING SURFACES INSTALLATION REFER TO ROADWAY PLANS.

GEOMETRIC LEGEND
- EXISTING
- PROPOSED

UTILITY LEGEND
- SD — STORM DRAIN
- G — GAS MAIN
- W — WATER MAIN
- S — SEWER MAIN
- E — ELECTRIC CABLES
- A — AERIAL CABLES
- T — TELEPHONE CABLES
- F — FIBER-OPTIC

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

BELLONA AVE (EAST) AND WB I-695 OFF-RAMP
LUTHERVILLE, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE MAY 2008 CONTRACT NO. BA9775A72

DESIGNED BY TC/MLH
DRAWN BY TC/MLH
CHECKED BY DAE
FAP NO. SEE TITLE SHEET
COUNTY BALTIMORE
LOGMILE 03000003.I9
TIMS NO. I-572
TOD NO.

TS NO. 4669 | DRAWING SP-14 OF 15 | SHEET NO. 375 OF 443

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