

- CONSTRUCTION DETAILS**
- A. INSTALL NEMA 6 BASE-MOUNTED CABINET AND CONTROLLER WITH NECESSARY EQUIPMENT.
  - B. INSTALL 27' STEEL POLE WITH TWIN MAST ARMS (50' AND 70') WITH TRAFFIC SIGNAL HEADS, OPTICOM DETECTORS, VIDEO DETECTION CAMERAS, 20' LIGHTING ARM AND 250 WATT HPS LUMINAIRE, AND 3" WEATHERHEAD (NOTE: 2-3", 90° PVC SCH. 80 BENDS).
  - C. INSTALL 27' STEEL POLE WITH 60' MAST ARMS WITH TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, 20' LIGHTING ARM AND 250 WATT HPS LUMINAIRE, AND 3" WEATHERHEAD (NOTE: 2-3", 90° PVC SCH. 80 BENDS).
  - D. INSTALL 10' PEDESTAL POLE ON 3' x 18" BASE WITH COUNTDOWN PEDESTRIAN SIGNAL HEADS, AUDIBLE PEDESTRIAN PUSHBUTTON AND SIGNS. NOTE: 1-2" 90° PVC SCH. 80 BEND).
  - E. INSTALL 100 AMP METERED SERVICE PEDESTAL FOR ELECTRICAL SERVICE.
  - F. INSTALL HANDHOLE.
  - G. USE EXISTING HANDHOLE AND ADJUST TO GRADE.
  - H. INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
  - I. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
  - J. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - BORED.
  - L. REMOVE CONCRETE ISLAND INSTALL PROPOSED CONDUIT RUNS. RECONSTRUCT ISLAND WITH 5" CONCRETE SIDEWALK. ALL CONDUIT AND HANDHOLE WORK SHALL BE DONE PRIOR TO RECONSTRUCTING CONCRETE ISLAND.
  - M. INSTALL STANDARD ISLAND PEDESTRIAN CUT THROUGH (MD STD. 655.21) WITH STANDARD TYPE "A" 8" CURB (MD STD. 620.02) AND DETECTABLE WARNING SURFACE (MD STD. 655.40). INSTALLED THE LENGTH OF THE OPENING. (SEE SECTION D).
  - N. INSTALL STANDARD PEDESTRIAN RAMP (MD STD. TYPE 655.12) WITH A DETECTABLE WARNING SURFACE (MD STD. 655.40) INSTALLED THE LENGTH OF THE RAMP OPENING.
  - O. INSTALL STANDARD PEDESTRIAN RAMP (MD STD. TYPE 655.12) WITH A DETECTABLE WARNING SURFACE (MD STD. 655.40) INSTALLED THE LENGTH OF THE RAMP OPENING. (SEE SECTION E).
  - P. INSTALL PROPOSED PEDESTRIAN RAMP WITH A DETECTABLE WARNING SURFACE (MD STD. 655.40) INSTALLED THE LENGTH OF THE RAMP OPENING (SEE SECTION A-B & C).
  - R. INSTALL DETECTABLE WARNING SURFACE (MD STD. 655.40) THE LENGTH OF THE RAMP OPENING.
  - S. INSTALL 5" CONCRETE SIDEWALK AND STANDARD TYPE "A" COMBINATION 8" CURB AND 12" GUTTER PAN (MD STD. 620.02). (SEE SECTION F).
  - T. DISCONNECT EXISTING CABLES TO CONTROLLER AND REMOVE ALL UN-USED CABLES DISCONNECT EXISTING INTERCONNECT CABLE AND PULL BACK AND RE-ROUTE TO PROPOSED CABINET. REMOVE FOUNDATION 12" BELOW GRADE. CAP AND ABANDON ALL EXISTING CONDUIT.
  - U. REMOVE SIGNAL POLE AND ALL ASSOCIATED EQUIPMENT. REMOVE FOUNDATION 12" BELOW GRADE.
  - V. N/U
  - W. N/U
  - X. DISCONNECT EXISTING INTERCONNECT PULL BACK TO THIS POINT AND RE-ROUTE TO NEW CABINET REMOVE OLD LOOP WIRE.
  - Y. DISCONNECT EXISTING LOOP DETECTORS. REMOVE EXISTING WIRING. REMOVE HANDHOLE CAP AND ABANDON CONDUIT.
  - Z. REMOVE EXISTING PAVEMENT MARKING INSTALL 12" HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS AS SHOWN FOR CROSSWALK. DO NOT INSTALL UNTIL SLOTTED CONDUIT INSTALLATION IS COMPLETED.
  - AA. REMOVE EXISTING PAVEMENT MARKING AND REPLACE WITH 12" HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK. DO NOT INSTALL UNTIL SLOTTED CONDUIT INSTALLATION IS COMPLETED.
  - BB. INSTALL 12" HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK
  - CC. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT.
  - DD. INSTALL PROPOSED SIGN(S) ON 4" x 6" WOOD SIGN SUPPORT(S).
  - EE. INSTALL PROPOSED NON-INVASIVE MICROLOOP PROBES.
  - FF. USE EXISTING CONDUIT.
  - GG. STUB 10' OF 4" CONDUIT UP UTILITY POLE AND COIL AN ADDITION 30' OF 1-COND 2/0 AWG (3 RUNS) FOR ELECTRICAL SERVICE CONNECTION BY PEPCO.
  - HH. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
  - JJ. REMOVE EXISTING SIDEWALK INSTALL PROPOSED CONDUIT RUNS. AND INSTALL NEW 5" CONCRETE SIDEWALK. ALL CONDUIT WORK SHALL BE DONE PRIOR TO RECONSTRUCTING SIDEWALK.
  - KK. INSTALL PROPOSED KEEP RIGHT (R4-7) SIGNS ON ONE 4" x 6" WOOD SIGN SUPPORT.
  - LL. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - BORED.
  - MM. DISCONNECT EXISTING MICROLOOPS AND REMOVE FROM EXISTING HANDHOLE.
  - NN. REMOVE EXISTING PEDESTRIAN PEDESTAL POLE. PEDESTRIAN HEADS AND SIGNS AND FOUNDATION 12" BELOW GRADE.
  - OO. REMOVE EXISTING PAVEMENT MARKINGS.
  - PP. INSTALL 5" HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
  - QQ. REMOVE EXISTING 4 FOOT SIDEWALK INSTALL CONDUIT FOR SIGNAL EQUIPMENT AND 5 FOOT WIDTH 5" CONCRETE SIDEWALK.

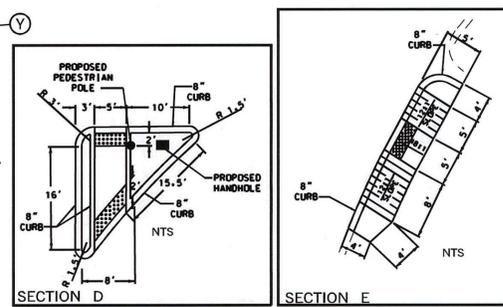
**GEOMETRIC LEGEND**

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

**M CENTURY ENGINEERING**  
CONSULTING ENGINEERS - PLANNERS  
10710 GILROY ROAD  
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- 2 RED LINE 2 6/01/2010 TEDD APPROVAL *[Signature]* 6/2/2010  
RE-SIZED SIGNS 35 AND 36. ADDED 6"x8" WOOD SUPPORTS
- 1 RED LINE 1/3/18/2010 TEDD APPROVAL *[Signature]* 3/19/2010  
REPLACEMENT SHEET REMOVE SCHOOL ZONE CROSSING REMOVE SCHOOL CROSSING SIGNS AND HATCHING IN CROSSWALKS

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 4 (PENNSYLVANIA AVE) AND  
ALTON STREET-SHADYSIDE AVENUE  
(BOULEVARD HEIGHTS, MD)

**APPROVALS**

ORIGINALS	ON
FILE	FILE

**REVISIONS**

NO.	DATE	DESCRIPTION
1	12/2009	RECONSTR. TO MAST ARMS VIDEO DET., APS PEDS., & ADA RAMPS
2	2/2004	INSTALL OPTICOM DETECTORS
3	9/1/2001	REPLACE SIGNAL HEADS WITH BLACK FACE RAISE MEDIAN LT SIGNAL

**TRAFFIC SIGNALIZATION PLAN**

SCALE 1" = 20'. ADVERTISED DATE: 6/27/73. CONTRACT NO. P-333-1-385

DESIGNED BY SA COUNTY PRINCE GEORGES  
DRAWN BY RD LOGMILE 16000413.54  
CHECKED BY TMS NO. K-028  
F.A.P. NO. T-8006(25) TOD NO.

TS NO. 970F DRAWING SP1-1 OF 2 SHEET NO. 1 OF 2