CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION AND 27 FT. STEEL POLE WITH 70 FT. MAST ARM, 20 FT. LIGHTING ARM WITH 250 WATT HPS LUMINAIRE WITH PHOTOCELL, LED TRAFFIC SIGNAL HEADS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, VIDEO DETECTION CAMERA (MAST ARM MOUNT), OVERHEAD AND POLE MOUNTED SIGNS, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON, AND R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS LARGO ROAD") (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE). (STA 280+64, 69' RT.)

B. INSTALL CONCRETE FOUNDATION AND 27 FT. STEEL POLE WITH 70 FT. MAST ARM, 20 FT. LIGHTING ARM WITH 250 WATT HPS LUMINAIRE WITH PHOTOCELL, LED TRAFFIC SIGNAL HEADS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, VIDEO DETECTION CAMERA (MAST ARM MOUNT), OVERHEAD AND POLE MOUNTED SIGNS, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON, AND R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS KETTERING DRIVE") (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE). (STA 279+74, 85' LT.)

C. INSTALL CONCRETE FOUNDATION AND 27 FT. STEEL POLE WITH 50 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, VIDEO DETECTION CAMERA (MAST ARM MOUNT), OVERHEAD SIGN, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON, AND R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS KETTERING DRIVE") (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE). (STA 279+69, 81' RT; STA 280+40, 86' LT.)

D. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE (STANDARD NO. MD 801.01-01), LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON, AND R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS KETTERING DRIVE") (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE). (STA 280+47, 80' RT.)

E. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE (STANDARD NO. MD 801.01-01), LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON, AND R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS LARGO ROAD") (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE). (STA 280+62, 74' LT.)

F. INSTALL CONCRETE FOUNDATION WITH 20 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, LED TRAFFIC SIGNAL HEAD, AND POLE MOUNTED SIGNS (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE). (STA 279+51, 2' RT.)

G. INSTALL CONCRETE FOUNDATION AND NEMA TYPE 'S' BASE MOUNTED CABINET AND ASC III MASTER/LOCAL CONTROLLER WITH VIDEO DETECTION INTERFACE EQUIPMENT, FOUR CHANNEL LOOP DETECTOR AMPLIFIER, 2-WIRE CENTRAL CONTROL UNIT AND ALL ASSOCIATED EQUIPMENT (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN CABINET BASE). (STA 280+63, 75' RT.)

H. INSTALL 100 AMP METERED SERVICE PEDESTAL (1-4 IN. AND 2-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE). (STA 280+70, 73' RT.)

J. REMOVE EXISTING SIGNAL STRAIN POLE, SPAN WIRE, AND ALL ASSOCIATED EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

K. REMOVE EXISTING SIGNAL CONTROLLER CABINET. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. NOTIFY SHA SIGNAL SHOP TO REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CABINET.

L. REMOVE EXISTING MASTER INTERCONNECT CONTROLLER CABINET. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. NOTIFY SHA SIGNAL SHOP TO REMOVE THE CONTROLLER FROM THE CABINET.

M. ABANDON EXISTING LOOP DETECTOR. REMOVE ALL ASSOCIATED EXISTING LOOP WIRE.

N. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 1000 FT. LEAD-IN CABLE.

P. INSTALL 12 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE FOR CROSSWALK.

Q. INSTALL 24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE FOR STOPLINE.

R. INSTALL 4 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT (BORED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CAP AND MARK CONDUIT 2 FT. ABOVE GRADE AT PEPCO 852382-8671 FOR USE BY OTHERS.

S. INSTALL 2 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT (BORED) FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. CAP AND MARK CONDUIT 2 FT. ABOVE GRADE AT PEPCO 852382-8671 FOR USE BY OTHERS.

T. INSTALL 4 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT (TRENCHED).

U. INSTALL 4 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT (BORED).

V. INSTALL 3 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT (TRENCHED).

W. INSTALL 3 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT (BORED).

X. INSTALL 2 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT (TRENCHED).

Y. CAP AND ABANDON EXISTING CONDUIT.

Z. INSTALL HANDHOLE.

AA. USE EXISTING HANDHOLE.

BB. REMOVE EXISTING HANDHOLE.

CC. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT.

DD. INSTALL GROUND MOUNTED SIGN ON 1-4"x4" WOOD SUPPORT.

EE. INSTALL GROUND MOUNTED SIGN ON 1-4"x6" WOOD SUPPORT.

FF. INSTALL GROUND MOUNTED SIGN ON 2-4"x6" WOOD SUPPORTS.

GG. DISCONNECT, PULL BACK, AND REROUTE EXISTING LOOP WIRE THROUGH PROPOSED CONDUIT TO PROPOSED CABINET.

HH. MAINTAIN EXISTING LOOP DETECTOR.

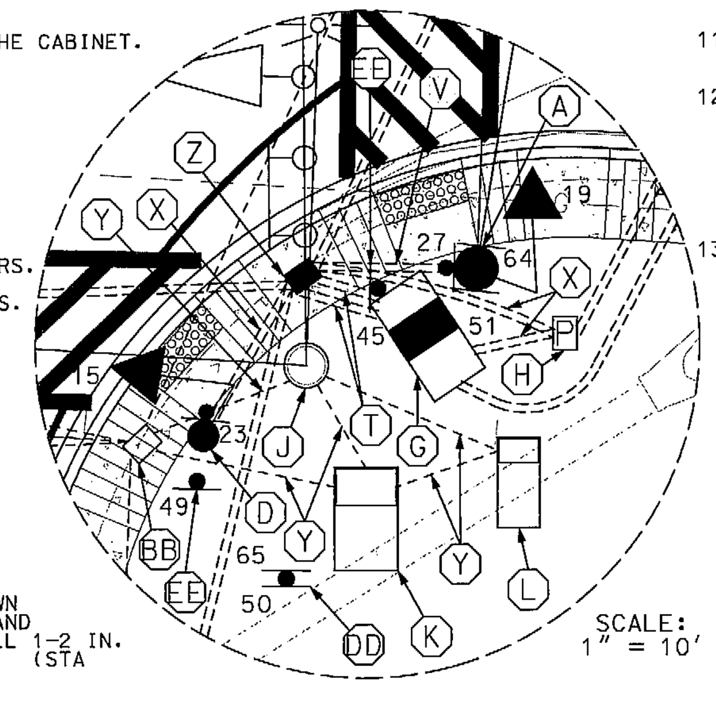
JJ. DISCONNECT, PULL BACK, AND REROUTE EXISTING INTERCONNECT CABLE THROUGH PROPOSED CONDUIT TO PROPOSED CABINET.

KK. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE (STANDARD NO. MD 801.01-01), LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/ TACTILE PEDESTRIAN PUSHBUTTON, AND R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS LARGO ROAD") (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE). (STA 280+63, 9' RT.; STA 280+63, 10' LT.)

△1 LL. INSTALL GROUND MOUNTED SIGN ON 2-4"x4" WOOD SUPPORTS.

McCormick Taylor
Engineers & Planners Since 1946
509 South Exeter Street
4th Floor
Baltimore, Maryland 21202
(410) 662-7400

BY: clyates



SCALE: 1" = 10'

GENERAL NOTES

1. ALL SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE TO MEET CLEARANCES AS SPECIFIED IN MD 816.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND SHALL PROPERLY LABEL EACH CABLE. ALL UNUSED SIGNAL CABLE SHALL BE PROPERLY REMOVED AND DISPOSED.
4. THE EXISTING TRAFFIC SIGNAL SHALL REMAIN FULLY FUNCTIONAL UNTIL THE NEW TRAFFIC SIGNAL IS OPERATIONAL.
5. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
6. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
7. ALL PROPOSED CURB RAMPS SHALL BE CONSTRUCTED AS PER THE ROADWAY PLAN SHEETS.
8. THE CONTRACTOR SHALL REMOVE ALL UNUSED AND ABANDONED SIGNAL CABLE.
9. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18 INCHES FROM A 60-INCH BY 60-INCH LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2 PERCENT.
10. THE 10-FOOT SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM THE FACE OF THE PUSHBUTTON TO THE FACE OF PUSHBUTTON, NOT FROM CENTER OF POLE TO CENTER OF POLE.
11. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
12. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SECTION 4E-09 AND FIGURE 4E.2 AND THE NCHRP PUBLICATION "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE." IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
13. WOOD SUPPORTS INSTALLED IN CONCRETE SHALL BE INSTALLED WITH SLEEVED FOUNDATIONS AS PER STANDARDS MD 812.05-01 AND MD 812.05-02. △1

△1 ADDENDUM NO. 1 / /12

0 10 20 40
SCALE: 1" = 20'

GEOMETRIC LEGEND
- - - - EXISTING
—— PROPOSED

UTILITY LEGEND
STORM DRAIN
GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
AERIAL CABLES
TELEPHONE CABLES
FIBER-OPTIC

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

REVISIONS
(A) Add 3 inch Conduit 7/92
SR
(B) FULL SIGNAL RECONSTRUCTION INCLUDING APS AND CPS 02/16/12 SHA NO. PG6965177 TIMS NO. 1126
BSH SDY RDB

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

MD 202 (LARGO ROAD) AT KETTERING DRIVE
LARGO, MARYLAND

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20'	DATE 6-8-92	CONTRACT NO.	
DESIGNED BY C. JEDNORSKI		COUNTY PRINCE GEORGE'S	
DRAWN BY C. JEDNORSKI		LOGMILE 16020206.28	
CHECKED BY D. DODA		T.I.M.S. NO.	
F.A.P. NO.		T.O.D. NO.	
T.S. NO. 3243 B	SG-01 OF SG-02	SHEET NO. 33 OF 34	

PLOTTED: Thursday, March 08, 2012 AT 02:31 PM
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