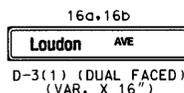
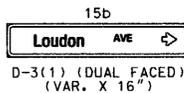
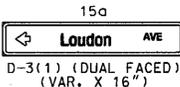


EXISTING ACCESSIBLE PUSHBUTTON AND SIGN TO BE REMOVED



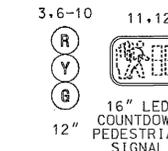
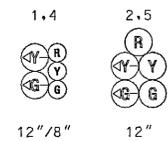
EXISTING SIGNS TO REMAIN



PROPOSED ACCESSIBLE PUSHBUTTON AND SIGN



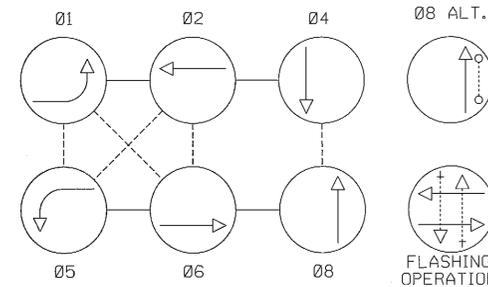
EXISTING SIGNALS



EXISTING VIDEO DETECTION



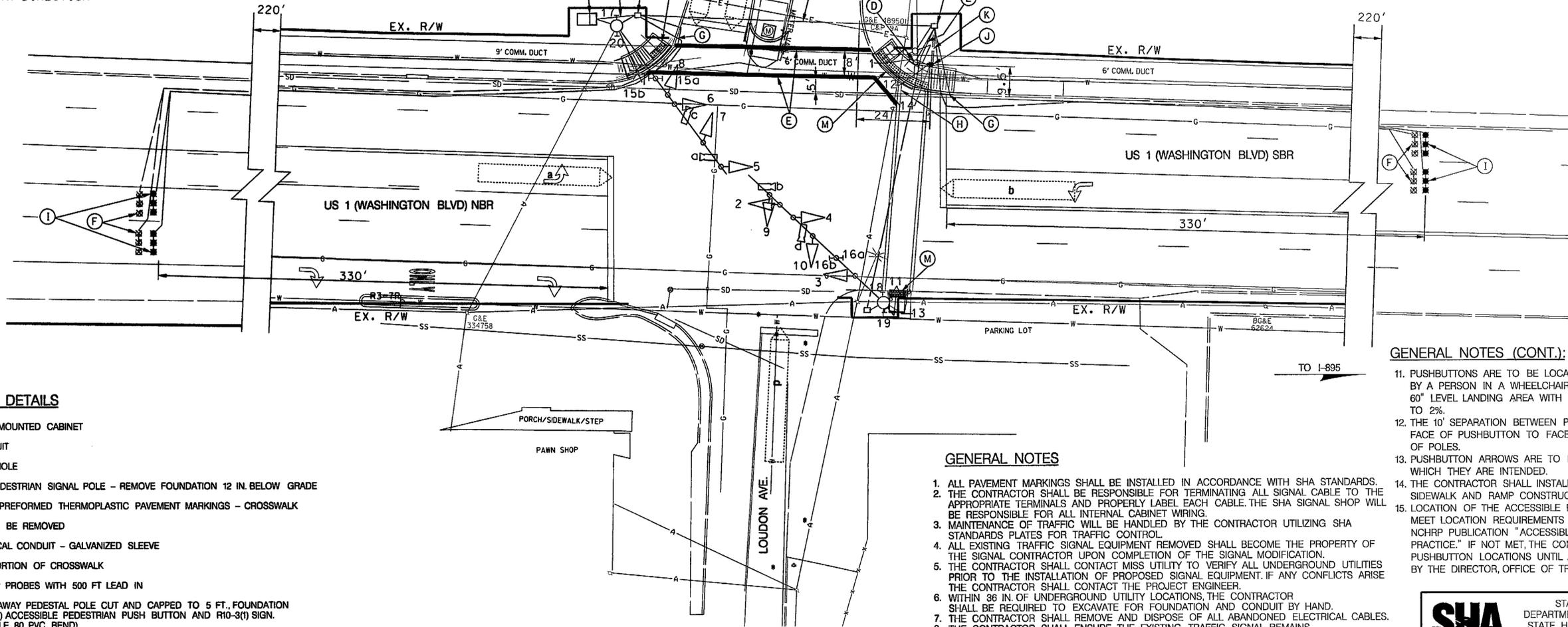
NEMA PHASING



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

SPECIAL NOTE: FOR LOCATION AND MD STANDARD OF SIDEWALK RAMPS REFER TO THE ROADWAY PLANS.

US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION



CONSTRUCTION DETAILS

- A. USE EXISTING BASE MOUNTED CABINET
- B. USE EXISTING CONDUIT
- C. USE EXISTING HANDHOLE
- D. REMOVE EXISTING PEDESTRIAN SIGNAL POLE - REMOVE FOUNDATION 12 IN. BELOW GRADE
- E. INSTALL 12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS - CROSSWALK
- F. EXISTING PROBES TO BE REMOVED
- G. INSTALL 1 IN. ELECTRICAL CONDUIT - GALVANIZED SLEEVE
- H. REMOVE EXISTING PORTION OF CROSSWALK
- I. INSTALL MICRO LOOP PROBES WITH 500 FT LEAD IN
- J. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE CUT AND CAPPED TO 5 FT. FOUNDATION (MDSHA STD. 801.01-01) ACCESSIBLE PEDESTRIAN PUSH BUTTON AND R10-3(1) SIGN. (NOTE: 1-3 IN. SCHEDULE 80 PVC BEND)
- K. INSTALL 3 IN. SCHEDULE 80 CONDUIT - TRENCHED
- L. ABANDON EXISTING CONDUIT
- M. SEE SG-08 FOR NEW SIDEWALK AND RAMP DETAILS

GENERAL NOTES

1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
3. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING SHA STANDARDS PLATES FOR TRAFFIC CONTROL.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
5. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
6. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
7. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
8. THE CONTRACTOR SHALL ENSURE THE EXISTING TRAFFIC SIGNAL REMAINS OPERATIONAL THROUGHOUT THE CONSTRUCTION PROCESS UNTIL SUCH TIME THAT THE NEW CONSTRUCTION CAN BE UTILIZED.
9. ALL SIGNAL POLE FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE TO MEET CLEARANCES AS SPECIFIED IN MD 818.01, 818.03, 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
10. THE CONTRACTOR SHALL VERIFY ALL RAMP AND PUSHBUTTON LOCATIONS PRIOR TO INSTALLATION.

GENERAL NOTES (CONT.):

11. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" x 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
12. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLES.
13. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
14. THE CONTRACTOR SHALL INSTALL ALL CONDUIT PRIOR TO NEW SIDEWALK AND RAMP CONSTRUCTION.
15. LOCATION OF THE ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG 4E.2 AND 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.

GEOMETRIC LEGEND

— EXISTING
— PROPOSED

UTILITY LEGEND

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

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 1 CORRIDOR REVITALIZATION
US 1 AT LOUDON AVE

TRAFFIC SIGNAL PLAN

SCALE 1"=20' ADVERTISED DATE 5/18/2004 CONTRACT NO. AT3585185
DESIGNED BY S.BLOSS COUNTY HOWARD
DRAWN BY S.BLOSS LOGMILE I3000108.69
CHECKED BY N.LEARY TMS NO. I-934
FAP NO. TOD NO.
TS NO. 4289A DRAWING SG-07 OF 08 SHEET NO. 23 OF 24

JMT
JOHNSON, MIRMIRAN & THOMPSON
Engineering A Brighter Future®
72 Loveton Circle Baltimore, Maryland 21152-0949

APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIR. CHIEF	(B) ADD CROSSWALK ON WEST LEG OF INTERSECTION C-0285-02 K-BIT 8-11
DIVISION CHIEF	CGM
OFFICE DIRECTOR	A ADD APS PUSHBUTTONS AND COUNTDOWN PEDESTRIAN SIGNAL HEADS AX375933 4-08