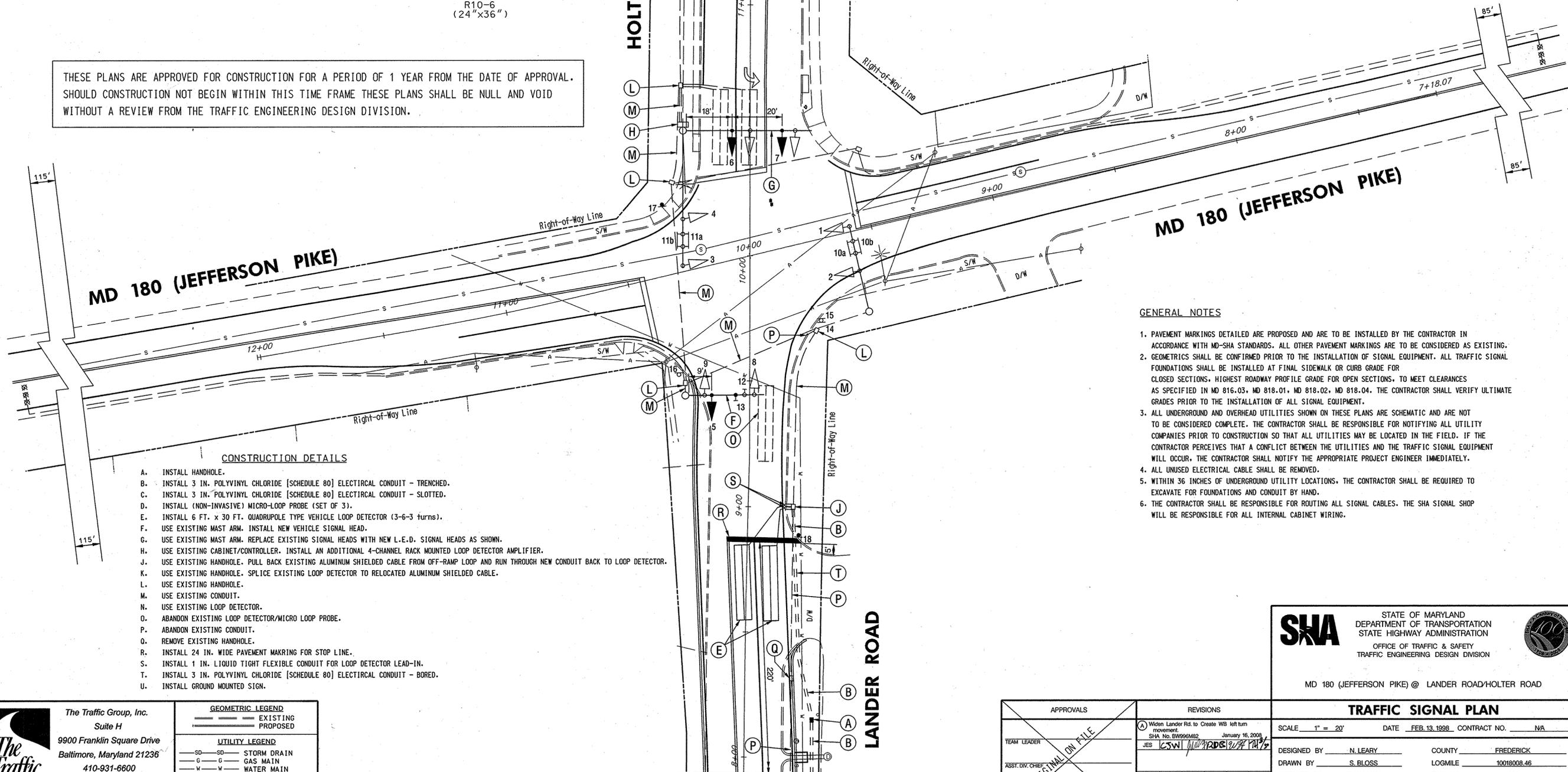


THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 1 YEAR FROM THE DATE OF APPROVAL. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

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



- CONSTRUCTION DETAILS**
- A. INSTALL HANDHOLE.
  - B. INSTALL 3 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - TRENCHED.
  - C. INSTALL 3 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - SLOTTED.
  - D. INSTALL (NON-INVASIVE) MICRO-LOOP PROBE (SET OF 3).
  - E. INSTALL 6 FT. x 30 FT. QUADRUPOLE TYPE VEHICLE LOOP DETECTOR (3-6-3 turns).
  - F. USE EXISTING MAST ARM. INSTALL NEW VEHICLE SIGNAL HEAD.
  - G. USE EXISTING MAST ARM. REPLACE EXISTING SIGNAL HEADS WITH NEW L.E.D. SIGNAL HEADS AS SHOWN.
  - H. USE EXISTING CABINET/CONTROLLER. INSTALL AN ADDITIONAL 4-CHANNEL RACK MOUNTED LOOP DETECTOR AMPLIFIER.
  - J. USE EXISTING HANDHOLE. PULL BACK EXISTING ALUMINUM SHIELDED CABLE FROM OFF-RAMP LOOP AND RUN THROUGH NEW CONDUIT BACK TO LOOP DETECTOR.
  - K. USE EXISTING HANDHOLE. SPLICE EXISTING LOOP DETECTOR TO RELOCATED ALUMINUM SHIELDED CABLE.
  - L. USE EXISTING HANDHOLE.
  - M. USE EXISTING CONDUIT.
  - N. USE EXISTING LOOP DETECTOR.
  - O. ABANDON EXISTING LOOP DETECTOR/MICRO LOOP PROBE.
  - P. ABANDON EXISTING CONDUIT.
  - Q. REMOVE EXISTING HANDHOLE.
  - R. INSTALL 24 IN. WIDE PAVEMENT MARKING FOR STOP LINE.
  - S. INSTALL 1 IN. LIQUID TIGHT FLEXIBLE CONDUIT FOR LOOP DETECTOR LEAD-IN.
  - T. INSTALL 3 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - BORED.
  - U. INSTALL GROUND MOUNTED SIGN.

- GENERAL NOTES**
1. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MD-SHA STANDARDS. ALL OTHER PAVEMENT MARKINGS ARE TO BE CONSIDERED AS EXISTING.
  2. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT 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.
  3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES 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 EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
  4. ALL UNUSED ELECTRICAL CABLE SHALL BE REMOVED.
  5. WITHIN 36 INCHES OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATIONS AND CONDUIT BY HAND.
  6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING ALL SIGNAL CABLES. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.

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"Merging Innovation and Excellence"®

**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

APPROVALS	REVISIONS
<p>TEAM LEADER</p> <p>ASST. DIV. CHIEF</p> <p>DIVISION CHIEF</p> <p>OFFICE DIRECTOR</p>	<p>① Widen Lander Rd. to Create WB left turn movement. SHA No. BV996082 January 16, 2008 JES CSN [Signature]</p>

**TRAFFIC SIGNAL PLAN**

SCALE 1" = 20' DATE FEB. 13, 1998 CONTRACT NO. N/A

DESIGNED BY N. LEARY COUNTY FREDERICK  
DRAWN BY S. BLOSS LOGMILE 10018008.46  
CHECKED BY T. HANNAN TMS NO. 1820  
F.A.P. NO. N/A TOD NO.

TS NO. 3785A DRAWING - OF SHEET NO. 1 OF 3

PLOTTED: Wednesday, February 27, 2008 AT 10:33 AM  
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Match line Sheet 2 of 3