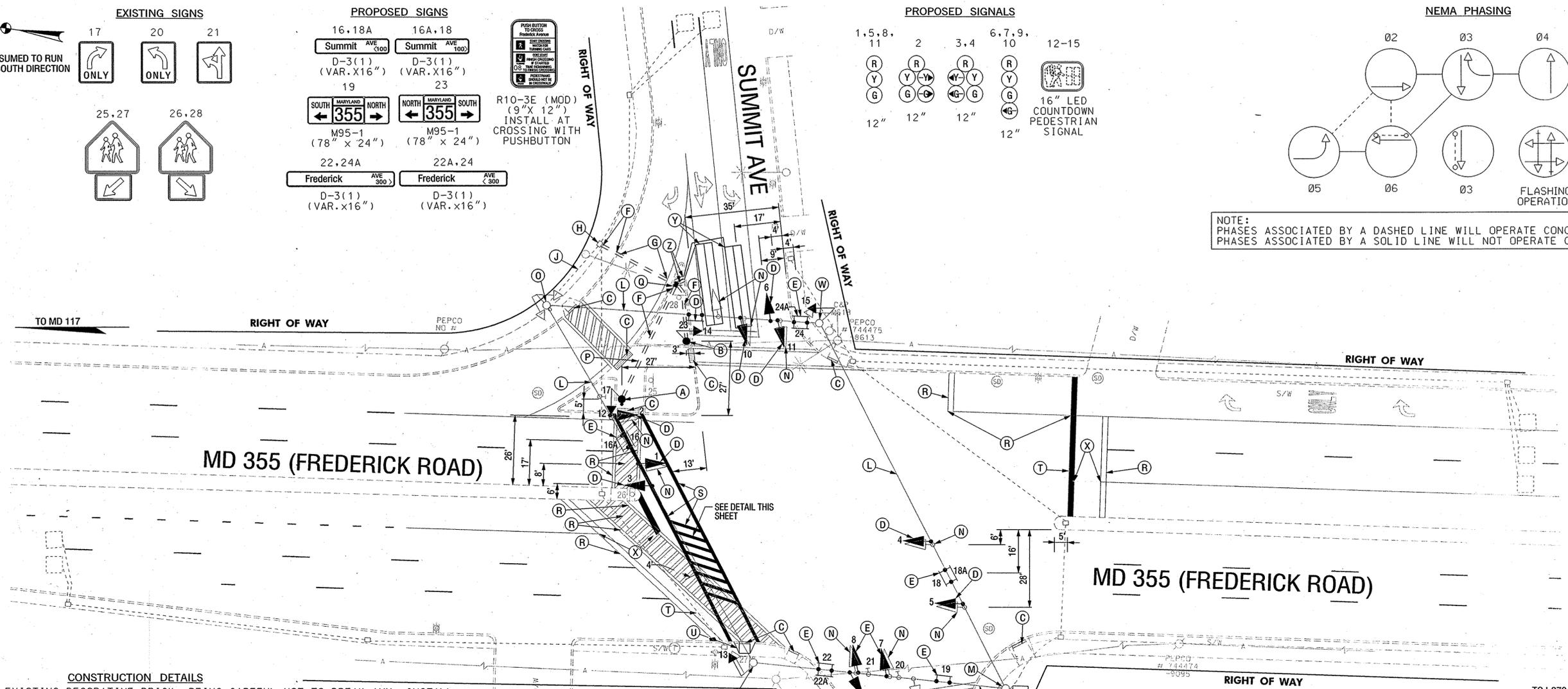
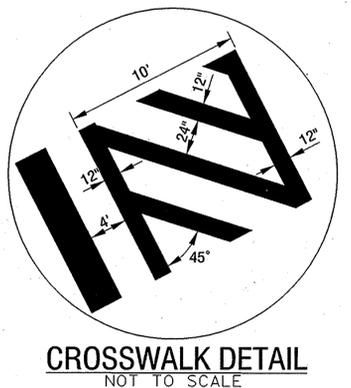


NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



- CONSTRUCTION DETAILS**
- A. REMOVE EXISTING DECORATIVE BRICK, BEING CAREFUL NOT TO BREAK ANY, INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). RESET DECORATIVE BRICKS MATCHING THE EXISTING PATTERN.
  - B. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE AND LED COUNTDOWN PEDESTRIAN SIGNAL HEAD (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
  - C. INSTALL DETECTABLE WARNING SURFACE IN ADA RAMP AS SHOWN.
  - D. INSTALL TRAFFIC SIGNAL HEAD SECTION ON SPAN WIRE AS SHOWN ON PLAN.
  - E. INSTALL SIGN ON SPAN WIRE AS SHOWN ON PLAN.
  - F. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
  - G. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
  - H. USE EXISTING HANDHOLE.
  - J. USE EXISTING CONDUIT.
  - K. USE EXISTING BASE MOUNTED CABINET.
  - L. USE EXISTING SPAN WIRE.
  - M. USE EXISTING STRAIN POLE.
  - N. REMOVE EXISTING SIGNAL HEAD AND ALL ASSOCIATED EQUIPMENT COMPLETELY FROM SPAN WIRE, CONDUITS AND HANDHOLES.
  - O. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND SIGN AND ALL WIRING FROM EXISTING STRAIN POLE, HANDHOLES, SPAN WIRE, CONDUIT AND BASE MOUNTED CABINET.
  - P. REMOVE EXISTING DECORATIVE BRICK, BEING CAREFUL NOT TO BREAK ANY, INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED, THEN RESET DECORATIVE BRICKS MATCHING THE EXISTING PATTERN.
  - Q. INSTALL HANDHOLE.
  - R. REMOVE EXISTING PAVEMENT MARKINGS.
  - S. INSTALL 12 IN. WHITE, HEAT APPLIED, THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK.
  - T. INSTALL 24 IN. WHITE, HEAT APPLIED, THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
  - U. INSTALL DEPRESSED CURB AND GUTTER REFER TO MD STANDARD DETAIL NO. MD-655.11, MD-655.21.
  - V. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND HARDWARE FROM STRAIN POLE, THEN INSTALL PROPOSED LED COUNTDOWN PEDESTRIAN SIGNAL HEAD TO STRAIN POLE WITH NEW MOUNTING HARDWARE BRACKETS.
  - W. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND HARDWARE FROM STRAIN POLE, THEN INSTALL PROPOSED LED COUNTDOWN PEDESTRIAN SIGNAL HEAD TO STRAIN POLE WITH NEW MOUNTING HARDWARE BRACKETS.
  - X. INSTALL 5 IN. WHITE, HEAT APPLIED, THERMOPLASTIC PAVEMENT MARKING.
  - Y. INSTALL 6 FT. X 30 FT. LOOP DETECTORS ENCASED IN 1/4 IN. FLEXIBLE TUBING (4 TURNS.).
  - Z. INSTALL 1 IN. LIQUID - TIGHT FLEXIBLE NON - METALLIC ELECTRICAL CONDUIT (FOR DETECTOR WIRE SLEEVES).



- GENERAL NOTES**
1. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED EXCEPT THE CONTROLLER UNIT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL TO BE MODIFIED.
  2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
  3. 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 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. THE CONTRACTOR SHALL REMOVE ALL UNUSED CABLES IN CONDUIT SYSTEM.
  5. ALL TRAFFIC SIGNAL FOUNDATION 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 EQUIPMENT.
  6. THE CONTRACTOR SHALL CONTACT MCDPW&T TMC AT (240) 777-2100 72 HOURS PRIOR TO CONSTRUCTION TO MARK UNDERGROUND SIGNAL EQUIPMENT.
  7. THE CONTRACT IS RESPONSIBLE FOR REPLACING ANY DAMAGE DECORATIVE BRICKS AT THE CONTRACTORS EXPENSE.

**GEOMETRIC LEGEND**

--- EXISTING  
--- PROPOSED

**UTILITY LEGEND**

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

T. INSTALL 24 IN. WHITE, HEAT APPLIED, THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.

U. INSTALL DEPRESSED CURB AND GUTTER REFER TO MD STANDARD DETAIL NO. MD-655.11, MD-655.21.

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X. INSTALL 5 IN. WHITE, HEAT APPLIED, THERMOPLASTIC PAVEMENT MARKING.

Y. INSTALL 6 FT. X 30 FT. LOOP DETECTORS ENCASED IN 1/4 IN. FLEXIBLE TUBING (4 TURNS.).

Z. INSTALL 1 IN. LIQUID - TIGHT FLEXIBLE NON - METALLIC ELECTRICAL CONDUIT (FOR DETECTOR WIRE SLEEVES).

**SABRA, WANG & ASSOCIATES, INC.**  
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(410) 737-6564  
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APPROVALS	REVISIONS
<p>TEAM LEADER: ORIGINAL</p> <p>ASST. DIV. CHIEF: ON</p> <p>DIVISION CHIEF: FILE</p> <p>OFFICE DIRECTOR: FILE</p>	<p>© SHA No. AT7825185 08-01-05</p> <p>MODIFY EXISTING TRAFFIC SIGNAL WITH COUNTDOWN PED. SIGNALS</p> <p>NEW GEOMETRIC, SIGNAL AND DESIGN</p> <p>SR</p> <p>AS BUILT 06-26-71</p> <p>LFT</p>

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
**MD 355 (FREDERICK AVE)  
AT SUMMIT AVENUE**  
GAITHERSBURG, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 12/18/70 CONTRACT NO. \_\_\_\_\_

DESIGNED BY \_\_\_\_\_ COUNTY MONTGOMERY

DRAWN BY J. SPENCE LOGMILE 15035514.02

CHECKED BY \_\_\_\_\_ T.I.M.S. NO. G798

F.A.P. NO. N/A TOD NO. N/A

DRAWING NO. TS-135C SHEET NO. 1 OF 2

TOD No: AT582-51  
SHA: MO-09A5C/B5G