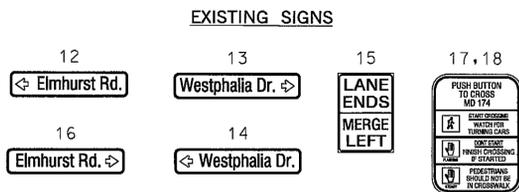
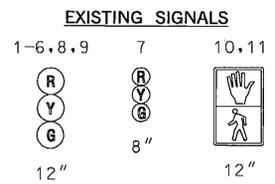


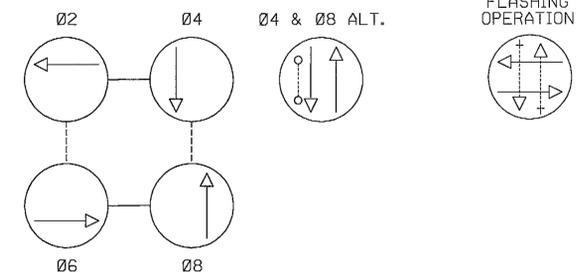
MD 174 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION



**PROPOSED VIDEO DETECTION CAMERA**



**NEMA PHASING**

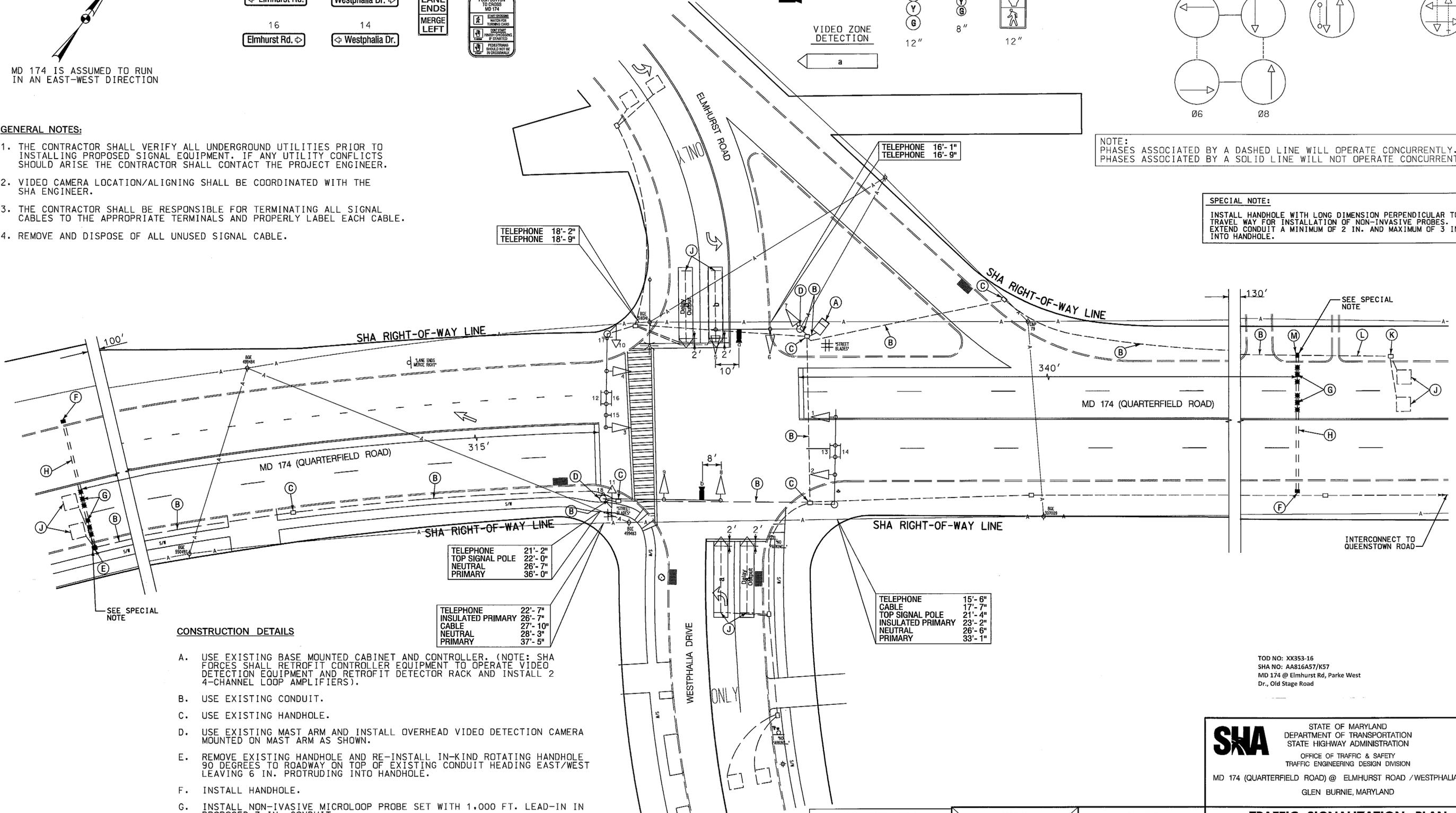


**GENERAL NOTES:**

1. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
2. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
4. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.

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

**SPECIAL NOTE:**  
INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO TRAVEL WAY FOR INSTALLATION OF NON-INVASIVE PROBES. EXTEND CONDUIT A MINIMUM OF 2 IN. AND MAXIMUM OF 3 IN. INTO HANDHOLE.



**CONSTRUCTION DETAILS**

- A. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. (NOTE: SHA FORCES SHALL RETROFIT CONTROLLER EQUIPMENT TO OPERATE VIDEO DETECTION EQUIPMENT AND RETROFIT DETECTOR RACK AND INSTALL 2 4-CHANNEL LOOP AMPLIFIERS).
- B. USE EXISTING CONDUIT.
- C. USE EXISTING HANDHOLE.
- D. USE EXISTING MAST ARM AND INSTALL OVERHEAD VIDEO DETECTION CAMERA MOUNTED ON MAST ARM AS SHOWN.
- E. REMOVE EXISTING HANDHOLE AND RE-INSTALL IN-KIND ROTATING HANDHOLE 90 DEGREES TO ROADWAY ON TOP OF EXISTING CONDUIT HEADING EAST/WEST LEAVING 6 IN. PROTRUDING INTO HANDHOLE.
- F. INSTALL HANDHOLE.
- G. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 1,000 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT.
- H. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- J. ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
- K. REMOVE EXISTING HANDHOLE.
- L. ABANDON EXISTING CONDUIT.
- M. INSTALL HANDHOLE ON TOP OF EXISTING CONDUIT LEAVING 6 IN. PROTRUDING INTO HANDHOLE.

TELEPHONE 18'-2"  
TELEPHONE 18'-9"

TELEPHONE 22'-7"  
INSULATED PRIMARY 26'-7"  
CABLE 27'-10"  
NEUTRAL 28'-3"  
PRIMARY 37'-5"

TELEPHONE 15'-6"  
CABLE 17'-7"  
TOP SIGNAL POLE 21'-4"  
INSULATED PRIMARY 23'-2"  
NEUTRAL 26'-6"  
PRIMARY 33'-1"

TOD NO: XX353-16  
SHA NO: AA816A57/K57  
MD 174 @ Elmhurst Rd, Parke West Dr., Old Stage Road

**WHITMAN, REQUARDT & ASSOCIATES, LLP**  
801 South Caroline Street, Baltimore, Maryland 21231

BY: Iwaeschke

**GEOMETRIC LEGEND**

— EXISTING  
— PROPOSED

**UTILITY LEGEND**

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

**APPROVALS**

TEAM LEADER \_\_\_\_\_  
ASST. DIV. CHIEF \_\_\_\_\_  
DIVISION CHIEF \_\_\_\_\_  
OFFICE DIRECTOR \_\_\_\_\_

**REVISIONS**

(B) UPGRADE VIDEO DETECTION ON ALL LEGS. INSTALL NON-INVASIVE PROBES  
SHA CONTRACT NO. XX353516  
TIMS #K648  
08/28/2019

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 174 (QUARTERFIELD ROAD) @ ELMHURST ROAD / WESTPHALIA DRIVE  
GLEN BURNIE, MARYLAND

**TRAFFIC SIGNALIZATION PLAN**

SCALE 1" = 20' ADVERTISED DATE 09/10/1987 CONTRACT NO. \_\_\_\_\_

DESIGNED BY REBECCA S. CHRISTMAN COUNTY Anne Arundel  
DRAWN BY JOHN GREEZICKI LOGMILE \_\_\_\_\_  
CHECKED BY DENNIS DODA TIMS NO. K648  
F.A.P. NO. \_\_\_\_\_ TOD NO. \_\_\_\_\_

TS NO. 2379B DRAWING TSP-1 OF 5 SHEET NO. 1 OF 5

PLOTTED: 09-28-2010  
FILE: N:\1989-99\CADD\TSG-F001\_K648\_Elmhurst.dgn