

DRILL HOLES

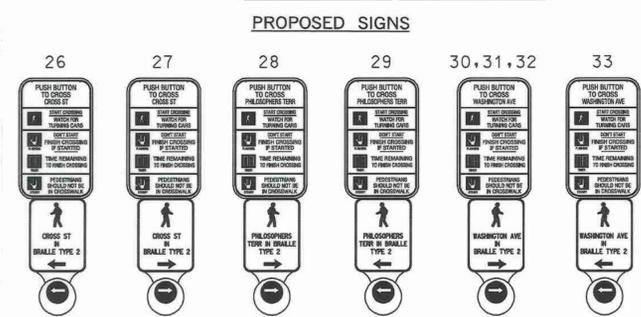
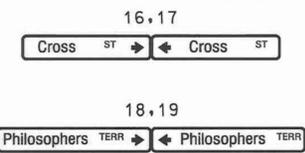
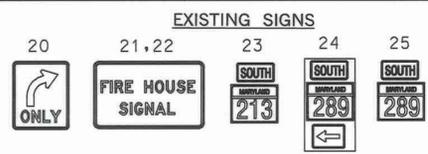
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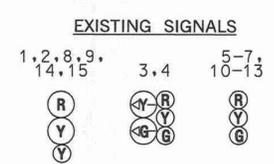
BORDER REV. DATE: JUNO 11, 2004



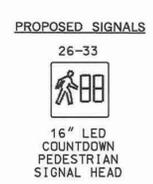
MD 213 IS ASSUMED TO RUN IN A NORTH / SOUTH DIRECTION



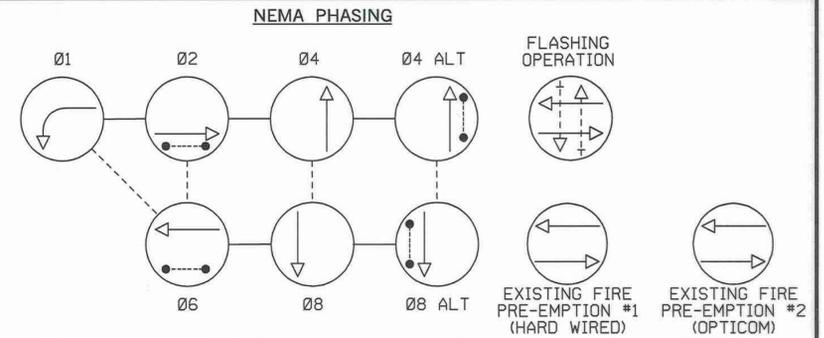
PUSHBUTTON NUMBERS INDICATE THE ASSOCIATED PEDESTRIAN SIGNAL HEAD NUMBERS.



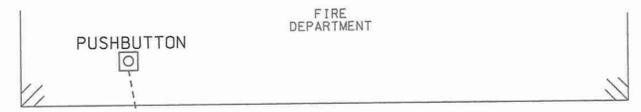
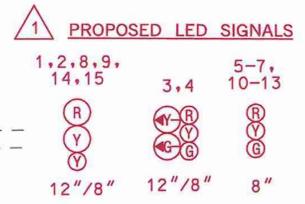
EXISTING OPTICOM DETECTOR



PROPOSED EQUIPMENT: VIDEO DETECTION CAMERA



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

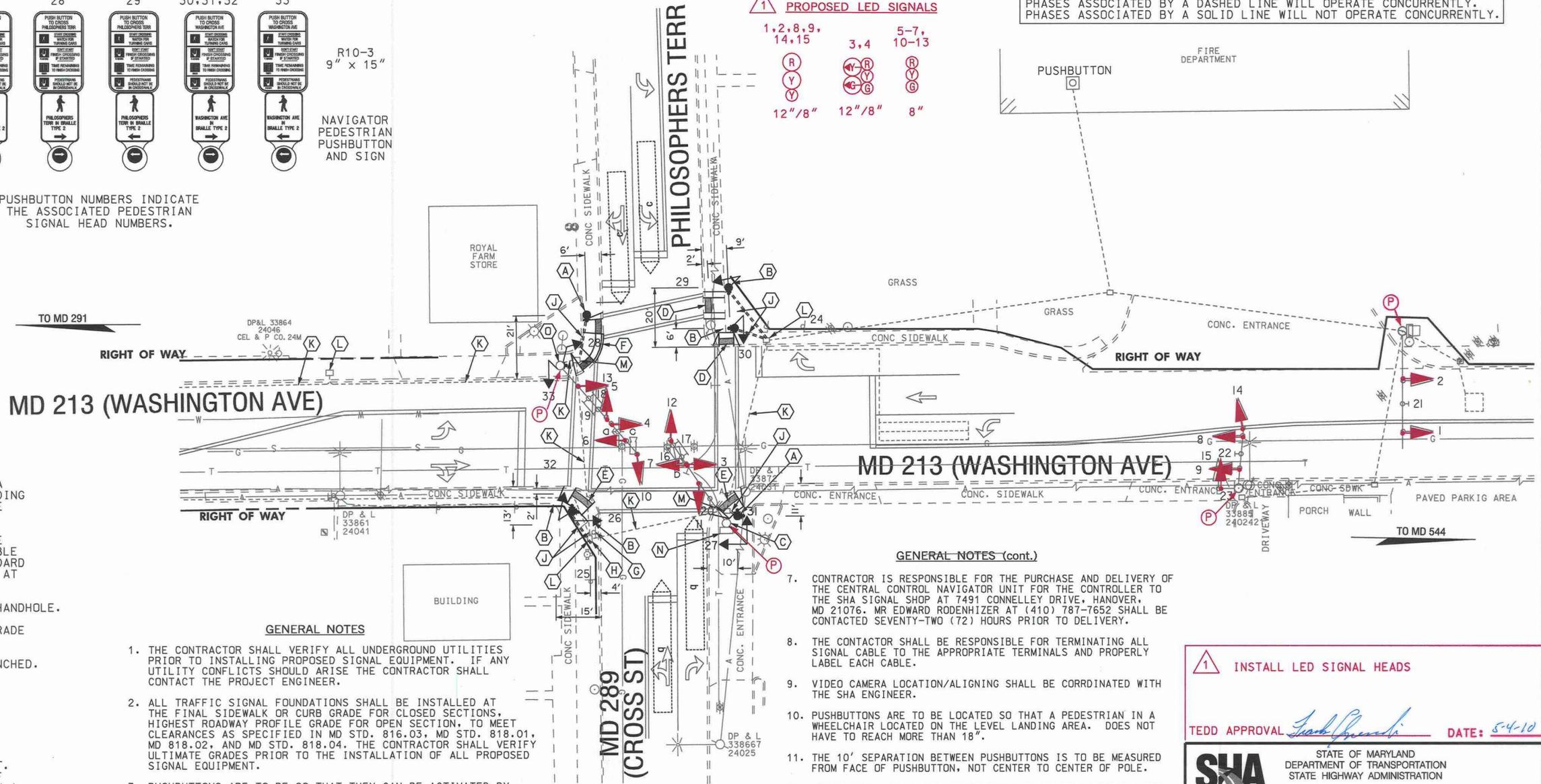


CONSTRUCTION DETAILS

- A. INSTALL MODIFIED PEDESTAL BASE PER STANDARD NO. MD 801.01-01 WITH 5 FT. BREAKAWAY PEDESTAL POLE WITH APS STATION AND PEDESTRIAN EDUCATION SIGN. (NOTE: 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
B. INSTALL CONCRETE FOUNDATION WITH 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS STATION, AND PEDESTRIAN EDUCATION SIGN. (NOTE: 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
C. INSTALL TWO 16 IN. LED COUNTDOWN PEDESTRIAN SIGNAL HEADS ON EXISTING SIGNAL POLE.
D. INSTALL ADA CURB RAMP IN ACCORDANCE WITH SHA STANDARD NO. MD 655.12, WITH 5 FT. WIDE LANDING AND DETECTABLE WARNING SURFACE IN ACCORDANCE WITH SHA STANDARD NO. MD 655.40.
E. INSTALL ADA CURB RAMP IN ACCORDANCE WITH SHA STANDARD NO. MD 655.12, WITH 8 FT. WIDE LANDING AND DETECTABLE WARNING SURFACE IN ACCORDANCE WITH SHA STANDARD NO. MD 655.40.
F. INSTALL 2-4 FT. ADA CURB RAMPS IN ACCORDANCE WITH SHA STANDARD NO. MD 655.12 AND DETECTABLE WARNING SURFACE IN ACCORDANCE WITH SHA STANDARD NO. MD 655.40. WITH SIDEWALK BETWEEN RAMPS AT GRADE WITH ROADWAY.
G. RELOCATE STREET NAME SIGN NEXT TO EXISTING HANDHOLE.
H. FILL DEPRESSION NEXT TO HANDHOLE TO MATCH GRADE LEVEL WITH TOP OF CURB.
J. INSTALL 3 IN. PVC SCHEDULE 80 CONDUIT - TRENCHED.
K. USE EXISTING CONDUIT.
L. USE EXISTING HANDHOLE.
M. MODIFY EXISTING HANDHOLE TO MATCH GRADE OF PROPOSED RAMP.
N. USE EXISTING POLE MOUNTED CONTROLLER CABINET. INSTALL WIRE INTO BASE OF POLE, UP TO TOP OF POLE, THEN OUT A 3 IN. WEATHERHEAD AND DOWN A 3 IN. RISER INTO THE BOTTOM OF THE CABINET.
O. INSTALL TWO 16 IN. LED COUNTDOWN PEDESTRIAN SIGNAL HEADS, APS STATION, AND PEDESTRIAN EDUCATION SIGN ON EXISTING SIGNAL POLE.

P. INSTALL LED SIGNAL HEAD.

MD 213 (WASHINGTON AVE)



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. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTION, TO MEET CLEARANCES AS SPECIFIED IN MD STD. 816.03, MD STD. 818.01, MD 818.02, AND MD STD. 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL PROPOSED SIGNAL EQUIPMENT.
3. PUSHBUTTONS ARE TO BE SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR FROM A 60\"/>

GENERAL NOTES (cont.)

- 7. CONTRACTOR IS RESPONSIBLE FOR THE PURCHASE AND DELIVERY OF THE CENTRAL CONTROL NAVIGATOR UNIT FOR THE CONTROLLER TO THE SHA SIGNAL SHOP AT 7491 CONNELLEY DRIVE, HANOVER, MD 21076. MR EDWARD RODENHIZER AT (410) 787-7652 SHALL BE CONTACTED SEVENTY-TWO (72) HOURS PRIOR TO DELIVERY.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
9. VIDEO CAMERA LOCATION/ALIGNING SHALL BE CORRDINATED WITH THE SHA ENGINEER.
10. PUSHBUTTONS ARE TO BE LOCATED SO THAT A PEDESTRIAN IN A WHEELCHAIR LOCATED ON THE LEVEL LANDING AREA. DOES NOT HAVE TO REACH MORE THAN 18\"/>

GEOMETRIC LEGEND: EXISTING EDGE OF PAVEMENT
UTILITY LEGEND: E - ELECTRIC CABLES, A - AERIAL CABLES, T - TELEPHONE CABLES, FO - FIBER-OPTIC

APPROVALS: TEAM LEADER TRAFFIC ENGINEERING DIVISION, ASST. CHIEF TRAFFIC ENGINEERING DIVISION, CHIEF TRAFFIC ENGINEERING DIVISION, DIRECTOR, OFFICE OF TRAFFIC & SAFETY

REVISIONS: 8-8-08 INSTALLATION OF APS/PS TO EXISTING TRAFFIC SIGNAL, 09-20-06 INSTALLATION OF FIRE-PREEMPTION TO EXISTING TRAFFIC SIGNAL, 03-02 INSTALLATION OF INTERCONNECT

INSTALL LED SIGNAL HEADS
TEDD APPROVAL: [Signature] DATE: 5-4-10

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION
MD 213 (WASHINGTON AVE) AT MD 289 (CROSS ST)/PHILOSOPHERS TERR CHESTERTOWN, MARYLAND

SIGNAL PLAN: SCALE 1\"/>

M CENTURY ENGINEERING CONSULTING ENGINEERS - PLANNERS 10710 GILROY ROAD HUNT VALLEY, MD 21031

T3 DESIGN, P.C. 3927 OLD LEE HWY SUITE 101-C FAIRFAX, VA 22030 PHONE: 703-359-5861 www.t3design.us

PLOTTED: 8/24/2006 FILE: SFILES