MD 410 IS ASSUMED TO RUN IN A EAST / WEST DIRECTION

PROPOSED SIGNS

22,23 Maple AVE 7500 >
19,20 Maple AVE < 7500
D-3(1) (VAR.x16") DUAL FACE

21,29 NO TURN ON RED
R10-11b (24"x24")

24,25 Philadelphia AVE 100 >
26,27 Philadelphia AVE < 100
D-3(1) (VAR.x16") DUAL FACE

28 ONLY
R3-5(R) (30"x36")

30,33, 36,39 S1-1 (36"x36")
M6-2 (21"x15")

31,35, 38,40 S1-1 (36"x36")
M6-2 (21"x15")

PUSH BUTTON TO CROSS MAPLE AVE
START CROSSING WATCH FOR TURNING CARS
CONT START FINISH CROSSING IF STARTED
PEDESTRIANS SHOULD NOT BE IN CROSSWALK

PUSH BUTTON TO CROSS PHILADELPHIA AVE
START CROSSING WATCH FOR TURNING CARS
CONT START FINISH CROSSING IF STARTED
PEDESTRIANS SHOULD NOT BE IN CROSSWALK

INSTALLED AT CROSSING WITH PUSHBUTTON

EXISTING SIGNS TO BE REMOVED

32 34 37

PROPOSED SIGNALS

1,2,4,5 — 12"
3,6,7, 8,9 — 12"
10 — 12"
11,12,13,14, 15,16,17,18 — 12"

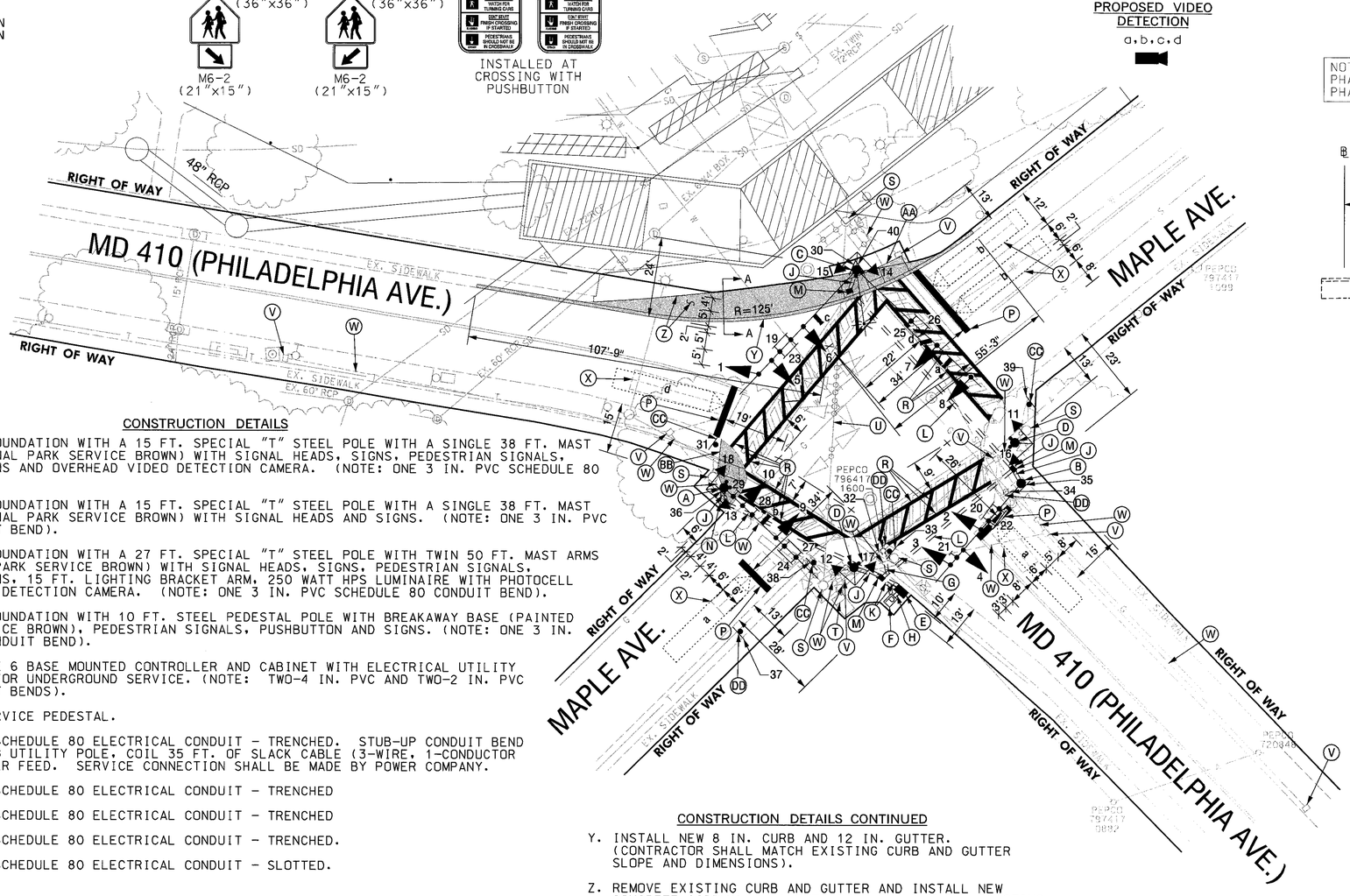
PROPOSED VIDEO DETECTION

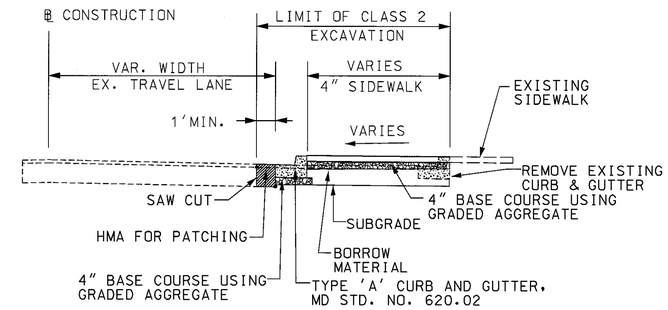
a,b,c,d

NEMA PHASING

Ø1 Ø2 Ø4 Ø4 ALT. FLASHING OPERATION
FL/ALL RED
Ø1 ALT. Ø2 ALT. Ø8 Ø8 ALT.

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





DETAIL A-A
NOT TO SCALE

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 15 FT. SPECIAL "T" STEEL POLE WITH A SINGLE 38 FT. MAST ARM (PAINTED NATIONAL PARK SERVICE BROWN) WITH SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNALS, PUSHBUTTON AND SIGNS AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).

B. INSTALL CONCRETE FOUNDATION WITH A 15 FT. SPECIAL "T" STEEL POLE WITH A SINGLE 38 FT. MAST ARM (PAINTED NATIONAL PARK SERVICE BROWN) WITH SIGNAL HEADS AND SIGNS. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).

C. INSTALL CONCRETE FOUNDATION WITH A 27 FT. SPECIAL "T" STEEL POLE WITH TWIN 50 FT. MAST ARMS (PAINTED NATIONAL PARK SERVICE BROWN) WITH SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNALS, PUSHBUTTON AND SIGNS, 15 FT. LIGHTING BRACKET ARM, 250 WATT HPS LUMINAIRE WITH PHOTOCELL AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).

D. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE (PAINTED NATIONAL PARK SERVICE BROWN), PEDESTRIAN SIGNALS, PUSHBUTTON AND SIGNS. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).

E. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO-4 IN. PVC AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).

F. INSTALL METERED SERVICE PEDESTAL.

G. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. STUB-UP CONDUIT BEND AT BASE OF EXISTING UTILITY POLE, COIL 35 FT. OF SLACK CABLE (3-WIRE, 1-CONDUCTOR NO. 4 AWG) FOR POWER FEED. SERVICE CONNECTION SHALL BE MADE BY POWER COMPANY.

H. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED

J. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED

K. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

L. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.

M. INSTALL HANDHOLE.

N. USE EXISTING HANDHOLE.

P. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.

R. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.

S. REMOVE EXISTING POLE, ALL ASSOCIATED EQUIPMENT AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

T. REMOVE EXISTING BASE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

U. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.

V. REMOVE EXISTING HANDHOLE AND BACKFILL.

W. CAP AND ABANDON EXISTING CONDUIT.

X. DISCONNECT AND REMOVE EXISTING LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.

CONSTRUCTION DETAILS CONTINUED

Y. INSTALL NEW 8 IN. CURB AND 12 IN. GUTTER. (CONTRACTOR SHALL MATCH EXISTING CURB AND GUTTER SLOPE AND DIMENSIONS).

Z. REMOVE EXISTING CURB AND GUTTER AND INSTALL NEW CONCRETE SIDEWALK. (CONTRACTOR SHALL MATCH EXISTING SIDEWALK SLOPE).

AA. INSTALL NEW SIDEWALK RAMP PER MSHA STANDARD DETAIL NO. 655.12.

BB. INSTALL NEW SIDEWALK RAMP PER MSHA STANDARD DETAIL NO. 655.11.

CC. INSTALL GROUND MOUNTED SIGN ON A 4 IN. X 6 IN. WOOD POST.

DD. REMOVE EXISTING GROUND MOUNTED SIGN.

GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. THE CONTRACTOR SHALL REMOVE ALL EXISTING STOP LINES AND CROSSWALKS PRIOR TO INSTALLING NEW STOP LINES AND CROSSWALKS. ALL PROPOSED PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED EXCEPT THE CONTROLLER UNIT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
7. 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.
8. ALL TRAFFIC SIGNAL FOUNDATIONS 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 SIGNAL EQUIPMENT.
9. THE CONTRACTOR SHALL REMOVE ALL UNUSED CABLES IN CONDUIT SYSTEM.

GEOMETRIC LEGEND

EXISTING
PROPOSED
PROPOSED GEOMETRIC WORK ZONE

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

MS355JH59/B59 AT256-17

REVISIONS					