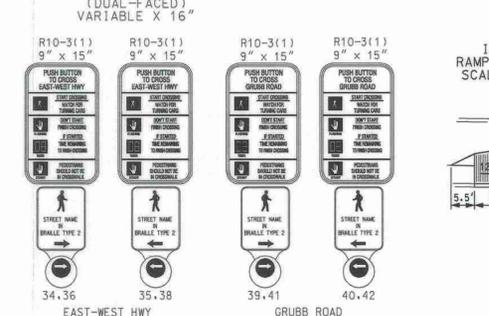
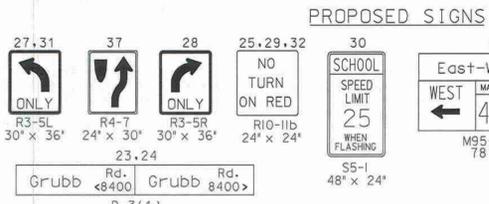


DRILL HOLES

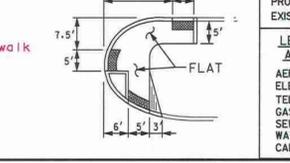
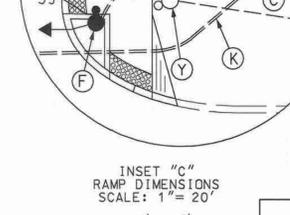
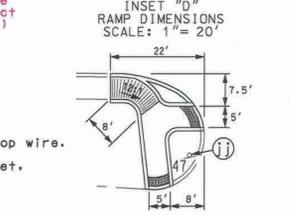
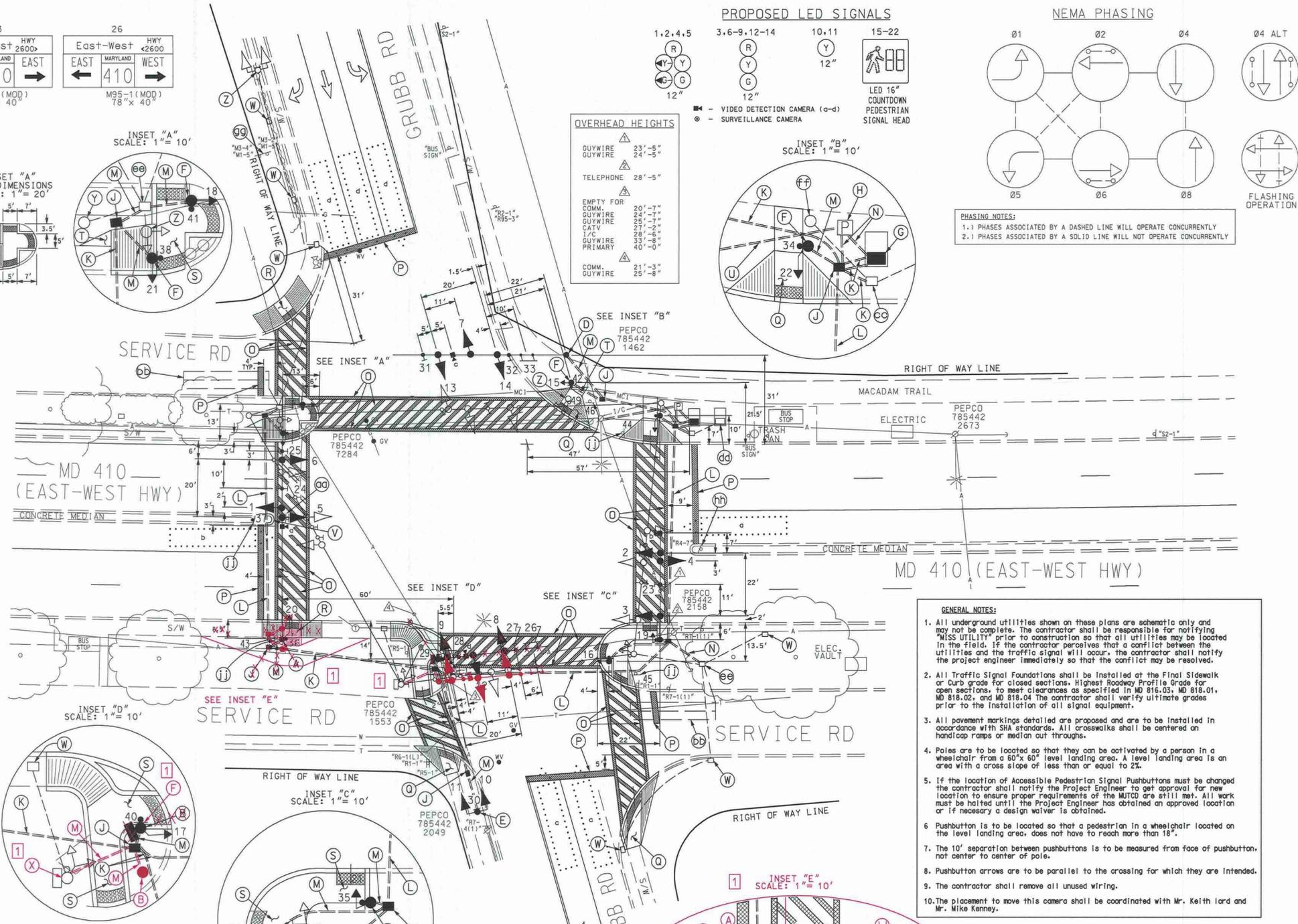
DRILL HOLES

DRILL HOLES

BORDER REV. DATE: June 11, 2004



- A. Install 16.5' upright 15' special "T" steel pole with single 70' mast arm (cut to 66' 6.5"), traffic signal heads, signs, countdown pedestrian signal head, APS pushbutton with pedestrian education sign (R10-3(1)), and video detection camera. (Note: 1-3' 90° polyvinyl chloride (Schedule 80) bend.)
- B. Install 16.5' upright 15' special "T" steel pole with single 38' mast arm, traffic signal heads, signs, countdown pedestrian signal head, APS pushbutton with pedestrian education sign (R10-3(1)), 20' lighting arm and video detection camera. (Note: 1-3' 90° polyvinyl chloride (Schedule 80) bend.)
- C. Install 16.5' upright 15' special "T" steel pole with single 38' mast arm, traffic signal heads, signs, countdown pedestrian signal head, APS pushbutton with pedestrian education sign (R10-3(1)), and video detection camera. (Note: 1-3' 90° polyvinyl chloride (Schedule 80) bend.)
- D. Install 16.5' upright 15' special "T" steel pole with single 60' mast arm, traffic signal heads, signs, countdown pedestrian signal head, and video detection camera. (Note: 1-3' 90° polyvinyl chloride (Schedule 80) bend.)
- E. Install 14' breakaway pedestal pole with signal heads and School speed limit sign (S5-1) as shown. (Note: 1-3' 90° polyvinyl chloride (Schedule 80) bend.) (Note: Contractor shall remove existing and install proposed in same place.)
- F. Install 10' (18" breakaway coupling foundation STD No. 801.01-01) pedestal pole with countdown pedestrian signal heads and APS pushbutton with pedestrian education sign. (Note: 1-3' 90° polyvinyl chloride (Schedule 80) bend.)
- G. Install NEMA base mounted cabinet with 2-2" and 2-4" elbows.
- H. Install metered pedestal for underground electrical utility service.
- J. Install handhole.
- K. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- L. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).
- M. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- N. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- O. Install 12" white heat applied preformed thermoplastic pavement marking. (Crosswalk) (Note: Contractor shall remove all existing crosswalks.)
- P. Install 24" white heat applied preformed thermoplastic pavement marking. (Stopsline) (Note: Contractor shall remove all existing stopsline.)
- Q. Install proposed perpendicular handicap ramp (STD. No. MD 655.11) with detectable warning surface (STD. No. MD 655.40).
- R. Install proposed parallel handicap ramp (STD. No. MD 655.12) with detectable warning surface (STD. No. MD 655.40).
- S. Install proposed handicap ramp with detectable warning surface (STD. No. MD 655.40). (See Inset 's')
- T. Install proposed sidewalk as shown.
- U. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched) with 50' of 3 wire 1 conductor (No. 250 KCMIL) for proposed underground electrical power service by PEPCO to base of utility pole.
- V. Contractor shall remove 14' of existing median nose and patch roadway with concrete and install proposed R4-7 sign as shown.
- W. Remove existing handhole and abandon existing conduit.
- X. Maintain existing strain pole, surveillance camera cabinet and traffic surveillance equipment. All other signal equipment shall be removed. The contractor shall contact Mike Kinney at 1-(240)777-8760. (Note: Contractor shall use existing conduit bend.)
- Y. Remove existing strain pole and all associated signal equipment as shown. (Note: Contractor shall backfill 12" below grade.)
- Z. Remove existing pedestal pole with all attached equipment and backfill 12" below grade.
- aa. Contractor shall remove existing R4-7, S1-1 and W16-7p signs in median.
- bb. Contractor shall respice proposed 2 conductor (aluminum shielded) to existing loop wire.
- cc. Contractor shall disconnect all existing runs of interconnect from existing cabinet, pullback to this handhole and reroute through proposed conduit into base mounted cabinet as shown.
- dd. Remove existing cabinet with controller and backfill 12" below grade.
- ee. Use existing handhole.
- ff. Use existing strain pole. (Note: PEPCO shall remove existing meter, disconnect switch and overhead service.)
- gg. Remove existing ground mounted sign.
- hh. Contractor shall remove existing S1-1 and W16-7p signs from existing R4-7 sign in median.
- jj. Remove existing ground mounted sign and install proposed sign on existing post as shown.
- kk. Install 10' cut to 5' (18" breakaway coupling foundation STD No. 801.01-01) pedestal pole with APS pushbutton with pedestrian education sign. (Note: 1-3' 90° polyvinyl chloride (Schedule 80) bend.)



GEOMETRIC LEGEND

PROPOSED	---
EXISTING	---
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	A
ELECTRIC	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

REVISION "A"

APPROVALS

TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS

NO.	DESCRIPTION	DATE
A	SHA NO. XX445185 RECONSTRUCT TRAFFIC SIGNAL WITH APS AND CPS	8-5-09
JWA		

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 410 (EAST-WEST HWY) AND GRUBB ROAD
SILVER SPRING, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE _____ CONTRACT NO. _____

DESIGNED BY MONTGOMERY CO. COUNTY MONTGOMERY
DRAWN BY MONTGOMERY CO. LOGMILE 15041002.54
CHECKED BY MONTGOMERY CO. TMS NO. J024
F. A. P. NO. TOD NO. _____

TS NO. 10731A DRAWING NO. 1 OF 2 SHEET NO. OF

PLOTTED: MONDAY, MAY 10, 2010 AT 11:07 AM
FILE: J:\DATA\J024\REDLINE REVISION NO. 1\5554.dgn