

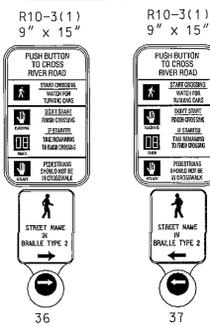
DRILL HOLES

BORDER REV: DATE: JUN 11, 2004

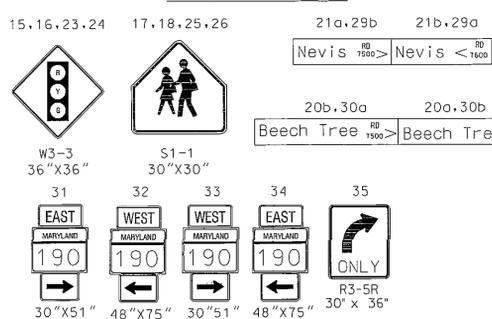
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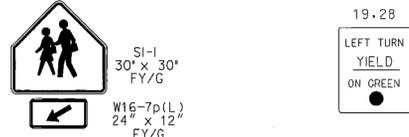
PROPOSED SIGNS



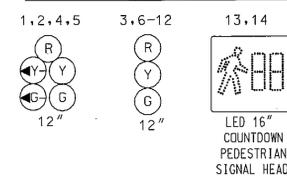
EXISTING SIGNS



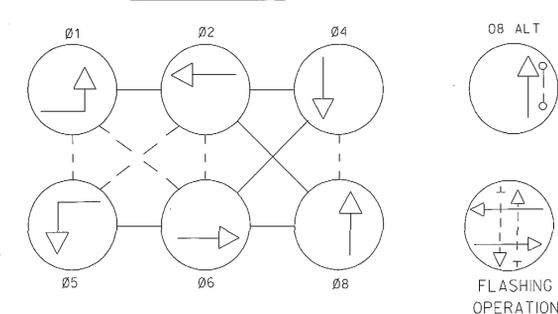
EXISTING SIGNS TO BE REMOVED



PROPOSED LED SIGNALS



NEMA PHASING



PHASING NOTES: 1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY 2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

NOTE: MD 190 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION.

TO I-495

MD 190 (RIVER ROAD) (N.B.L.)

MD 190 (RIVER ROAD) (S.B.L.)

TO MD 188

CONSTRUCTION DETAILS

- A. 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: Contractor shall remove existing crosswalk.)
B. Remove existing signal head and install proposed LED signal head in same location.
C. Remove existing signal head.
D. Install LED signal head as shown.
E. Install 12" white heat applied preformed thermoplastic pavement marking. (Crosswalk) (Note: Contractor shall remove existing crosswalk.)
F. Install 24" white heat applied preformed thermoplastic pavement marking. (Stopline) (Note: Contractor shall remove existing stopline.)
G. Use existing handhole.
H. Use existing conduit.
J. Use existing cabinet and controller. (Note: SHA Forces shall install 2-wire Control Unit into the cabinet).
K. Maintain existing overhead electrical service.
L. Remove existing overhead R10-12 sign as shown.
M. Remove existing pedestrian signal head along with pushbutton and ped sign from mast arm pole.
N. Install 3" polyvinyl chloride electrical conduit (Schedule 80) trenched.
D. Remove non standard S1-1 and W16-7p(L) signs from sign post and replace with proposed signs as shown.
P. Install proposed handicapped ramp with detectable warning surfaces (Note: See Sheet 2 of 3).
Q. Install video detection camera as shown.
R. Remove existing non standard S1-1 sign and post.
S. Remove 20' of exiting guardrail for the installation of the handicapped ramp.
T. Disconnect and abandon existing loop detector lead in from existing handhole.
U. Install new 10' section of guardrail and Type K endtreatment.

SERVICE ROAD

OVERHEAD I/C WEST TO RIVER RD / ROYAL DOMINION DR

PEPCO 759419 2765

OVERHEAD I/C EAST TO RIVER RD / WILSON LN

GENERAL NOTES:

- 1. All underground 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.
2. 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, and MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
3. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be centered on handicap ramps or median cut throughs.
4. The contractor shall remove all unused wiring.

Table with 2 columns: GEOMETRIC LEGEND (PROPOSED, EXISTING) and LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES (AERIAL CABLE, ELECTRIC, TELEPHONE, GAS, SEWER, WATER, CABLE TV)



Table with 2 columns: APPROVALS (TEAM LEADER, ASST. DIV. CHIEF, DIVISION CHIEF, OFFICE DIRECTOR) and REVISIONS (2/9/11 INSTALL LED SIG HEADS, VIDEO DETECTION, CPS/APS, SHA NO. XX3545168R TMS NO. R214, ADD LIGHTING POLE TO NW CORNER, RECONSTRUCT SIGNAL, ADD E/P ON MD 190)

Table with 2 columns: TRAFFIC SIGNAL PLAN (SCALE 1"=20', DATE 4/2/73, CONTRACT NO., DESIGNED BY A. RICCHIUTTI, COUNTY MONTGOMERY, DRAWN BY A. RICCHIUTTI, LOGMILE 15019012.35, CHECKED BY, TMS NO., F.A.P. NO., TOD NO.) and drawing info (TS NO. 2540E, DRAWING NO. 1 OF 3, SHEET NO. OF)

PLOTTED: THURSDAY, FEBRUARY 17, 2011 AT 12:24 PM FILE: J:\DATA\K514\GNS\5897.DGN