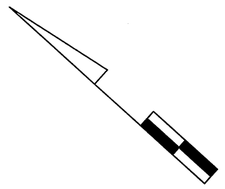
DRILL HOLES

BORDER REV: DATE: June 1, 2004

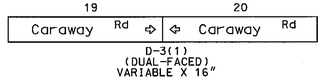
DRILL HOLES

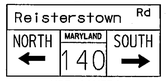
DRILL HOLES

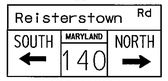
PROPOSED SIGNS



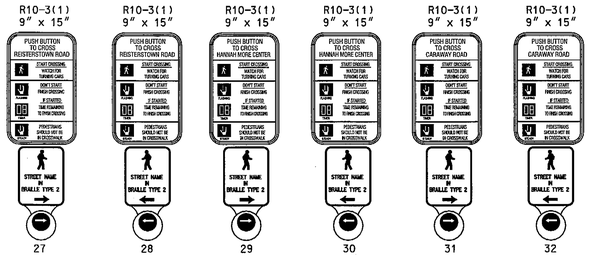
MD 140 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION



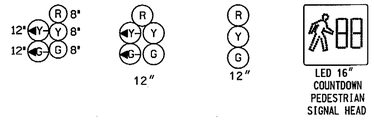




SIGNS 23 & 26 ARE MOUNTED ON MAST ARM POLE

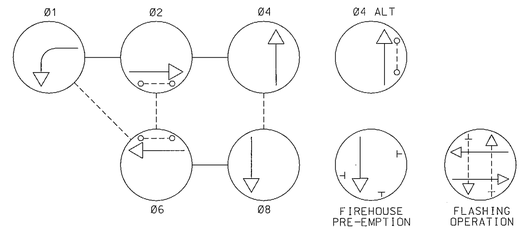


PROPOSED LED SIGNALS

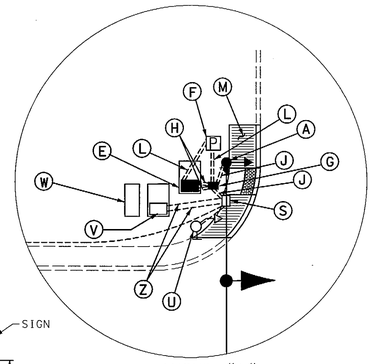


■ - VIDEO DETECTION CAMERA (a-c)

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



1 OVERHEAD HEIGHTS

TELEPHONE	18'-8"
TELEPHONE	20'-6"
TELEPHONE	20'-6"
TELEPHONE	20'-8"
CABLE	24'-10"
GUY	31'-2"
SECONDARY	35'-6"
PRIMARY	43'-0"

2 OVERHEAD HEIGHTS

TELEPHONE	19'-6"
TELEPHONE	20'-8"
TELEPHONE	21'-0"
TELEPHONE	23'-6"
CABLE	25'-2"
GUY	30'-2"
SECONDARY	35'-6"
PRIMARY	43'-0"

CONSTRUCTION DETAILS

A. Install 27' steel pole with single 50' mast arm, traffic signal heads, sign, 3" weatherhead, countdown pedestrian signal head, APS pushbutton with pedestrian education sign R10-3(1), video detection camera on 20' lighting arm and video detection camera on mast arm. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

B. Install 27' steel pole with twin 50'/70' (cut to 62') mast arms, traffic signal heads, countdown pedestrian signal head, APS pushbutton with pedestrian education sign R10-3(1), video detection camera on 20' lighting arm with 250 watt HPS lamp, luminaire with photocell, and video detection camera on mast arm. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

C. Install 21' steel pole with single 38' mast arm, traffic signal heads, sign, and video detection camera on mast arm. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

D. 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).

E. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment as shown.

F. Install metered pedestal for electrical utility service equipment.

G. Install handhole.

H. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

J. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

K. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).

L. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

M. Install proposed parallel handicap ramp (STD. No. MD 655.12) with detectable warning surface (STD. No. MD 655.40).

N. Install proposed parallel handicap ramp (STD. No. MD 655.13) with detectable warning surface (STD. No. MD 655.40).

O. Install 12" white heat applied preformed thermoplastic pavement marking.(Crosswalk) (Note:Contractor shall remove existing crosswalk.)

P. Install 24" white heat applied preformed thermoplastic pavement marking.(Stopline) (Note:Contractor shall remove existing stopline.)

Q. Install proposed sidewalk with curb and gutter along backside of sidewalk as shown.

R. Install ground mounted sign on 4"x6" wood post as shown.

S. Contractor shall use existing handhole to disconnect, pullback and reroute existing interconnect cable into proposed cabinet as shown. (Note:See wiring diagram for more details.)

T. Contractor shall transfer existing pre-emption cable from strian pole to proposed mast arm pole as shown. (Note:See wiring diagram for more details.)

CONSTRUCTION DETAILS (con't)

U. Contractor shall remove existing strain poles, existing span wire along with signal equipment and foundation 12" below grade and backfill.

V. Contractor shall remove existing base mounted cabinet, foundation 12" below grade and backfill. (Note:SHA Forces shall remove the controller and all other auxiliary equipment. Contractor shall disconnect, pull back and reroute existing phone to line to proposed cabinet as shown.)

W. Contractor shall remove existing base mounted cabinet foundation 12" below grade and backfill.

X. Remove handhole and abandon conduit runs associated with this handhole.

Y. BGE shall remove existing overhead electrical service.

Z. Abandon existing conduit runs.

aa. Remove existing pavement marking arrow.

bb. Install micro-loop probe with lead-in cable.

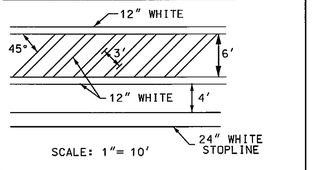
cc. Install 1" liquid tight flexible non-metalic electrical conduit (detector wire sleeve).

dd. Use existing handhole and/ or conduit.

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. All crosswalk cross hatching has been left off for clarity.
4. Poles are to be located so that they can be activated by a person in a wheelchair from a 60"x 60" level landing area. A level landing area is an area with a cross slope of less than or equal to 2%.
5. If the location of Accessible Pedestrian Signal Pushbuttons must be changed the contractor shall notify the Project Engineer to get approval for new location to ensure proper requirements of the MUTCD are still met. All work must be halted until the Project Engineer has obtained an approved location or if necessary a design waiver is obtained.
6. Pushbutton is to be located so that a pedestrian in a wheelchair located on the level landing area, does not have to reach more than 18".
7. The 10' separation between pushbuttons is to be measured from face of pushbutton, not center to center of pole.
8. Pushbutton arrows are to be parallel to the crossing for which they are intended.
9. The contractor shall remove all unused wiring.

CROSS HATCHING TYPICAL



NOTES:
1. CROSSHATCHING IS REQUIRED WITHIN ALL CROSSWALKS
2. ALL CROSSWALKS SHALL BE CENTERED ON HANDICAPPED RAMPS UNLESS OTHERWISE NOTED.

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 "H"

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy.NW.
Glen Burnie,MD 21061
PH (410) 590-5500
Fax (410) 590-5537

5671.dgn T-217

APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	(H) RECONSTRUCT TRAFFIC SIGNAL SHA NO.: XX4465185 5-4-09
DIVISION CHIEF	G INSTALL DETECTORS AND INTERCONNECT SHA NO.: B-156-501-485 11-15-94
OFFICE DIRECTOR	

ORIGINAL ON FILE

PLOTTED: #DATETIME#
FILE: #FILE#

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 140 (REISTERSTOWN ROAD) AND CARAWAY ROAD

REISTERSTOWN, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE May 12, 1972 CONTRACT NO. 82292 P00

DESIGNED BY D. Doda
DRAWN BY W. Monk
CHECKED BY J. Spence
F.A.P. NO.

COUNTY BALTIMORE
LOGMILE 03014008.45
TIMS NO. J339
TOD NO.

TS NO. 386H | DRAWING NO. 1 OF 2 | SHEET NO. OF

TS#0368

...\5600\5671\5671.dgn 5/4/2009 8:32:26 AM