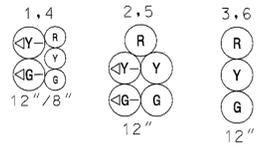
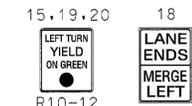


EXISTING SIGNALS

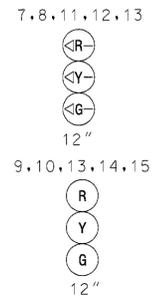


EXISTING SIGNS

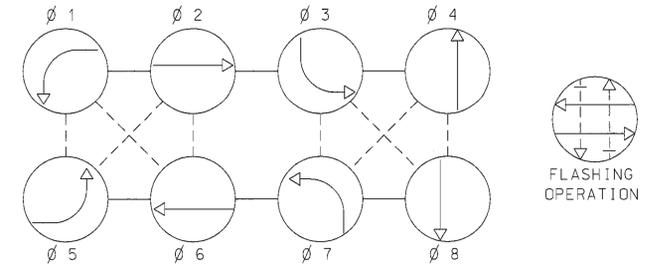


BESTGATE ROAD

PROPOSED SIGNALS



NEMA PHASING



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

EXISTING SIGNS TO BE RELOCATED



EXISTING VIDEO DETECTION CAMERA



PROPOSED VIDEO DETECTION CAMERA



GENERAL NOTES

- PAVEMENT MARKING NOT DETAILED IN THIS PLAN WILL BE INSTALLED BY OTHERS.
- THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
- ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE. 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 THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.

CONSTRUCTION DETAIL

- REMOVE EXISTING SIGNAL HEADS AND R3-6(L) SIGN. INSTALL PROPOSED SIGNAL HEADS AND RELOCATE EXISTING SIGNS AS SHOWN
- INSTALL 27 FT. MAST ARM POLE WITH 70 FT. MAST ARM, SIGNAL HEADS, VIDEO DETECTION CAMERA AND RELOCATED SIGNS (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS) CUT MAST ARM POLE TO 21 FT. IN HEIGHT
- INSTALL CONCRETE PAD FOR BASE MOUNTED CABINET AND CONTROLLER (NOTE: INSTALL 3-4 IN. AND 2-2 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS)
- REMOVE EXISTING PAVEMENT MARKINGS
- INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
- INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
- INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
- INSTALL 24 IN. HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
- USE EXISTING HANDHOLE
- USE EXISTING CONDUIT
- CAP AND ABANDON EXISTING CONDUIT
- REMOVE EXISTING SIGNAL POLE AND ALL RELATED EQUIPMENT
- ABANDON EXISTING HANDHOLE
- RELOCATE EXISTING BASE MOUNTED CABINET AND CONTROLLER
- INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED (PHONE DROP)
- INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED (ELECTRICAL SERVICE)
- INSTALL 5 IN. SKIP WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING (3 FT. LINE 9 FT. GAP)
- INSTALL WHITE THERMOPLASTIC PAVEMENT MARKING ARROW (SEE LOCATION TABLE FOR DETAIL)
- INSTALL WHITE THERMOPLASTIC PAVEMENT MARKING "ONLY" (SEE LOCATION TABLE FOR DETAIL)
- REMOVE EXISTING HANDHOLE

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

LANE DROP MARKING LOCATION TABLE

TRAFFIC CONTROL DEVICE	DISTANCE FROM STOPLINE
LEFT ARROW	50'
ONLY	90'
LEFT ARROW	130'

FIELD REVISION
 RELOCATE POLE AND CONTROLLER
M. Brubaker 5/26/04
 APPROVED TEAM LEADER

HOUSLEY ROAD

TRAFFIC CONCEPTS, INC.
 325 Gambrills Road
 Suite E
 Gambrills, MD 21054
 (410) 923-7101

REVISIONS	APPROVALS
(D) SIGNAL RECONSTRUCTION DUE TO IMPROVEMENTS TO HOUSLEY RD. 6-1-03 MLH (E) ASBUILT & SYSTEMIZATION 7-13-01 EMM (B) REPLACE S.B. MD 178 DETECTION 1-6-00 T/C (A) REVISED PLAN DUE TO GEOMETRIC IMPROVEMENTS TO HOUSLEY RD. 2-3-97 T/C	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION CHIEF TRAFFIC ENGINEERING DESIGN DIVISION DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
 SIGNALIZATION PLAN
 MD 178 AT HOUSLEY RD./BESTGATE RD.

DRAWN BY: J. DIRNDORFER	F.A.P. NO. 33190	TS NO. 33190
CHECKED BY: ANNE ARUNDEL	S.H.A. NO. 02017800.34	T.I.M.S. NO. F856
SCALE: 1" = 20'	LOG MILE: 02017800.34	SHEET NO. 1 OF 2
DATE: 8-9-93		