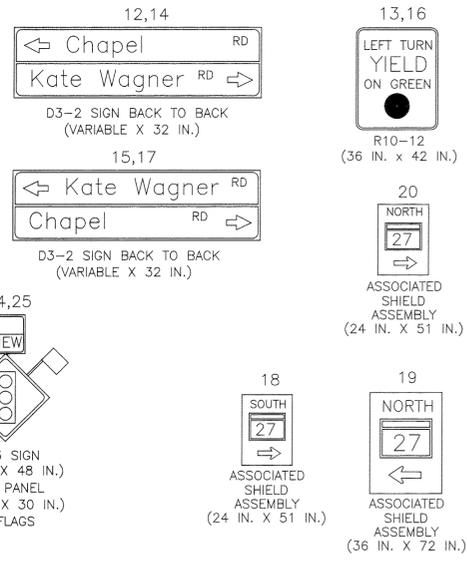


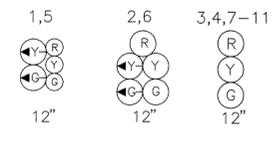
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

MD 27 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

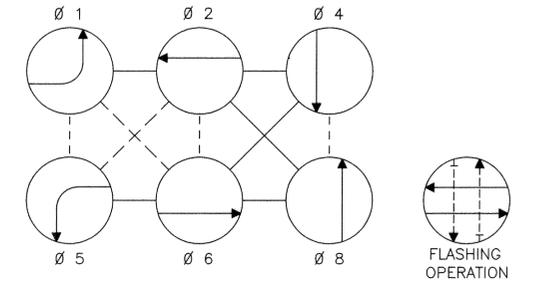
PROPOSED SIGNS



PROPOSED SIGNAL HEADS

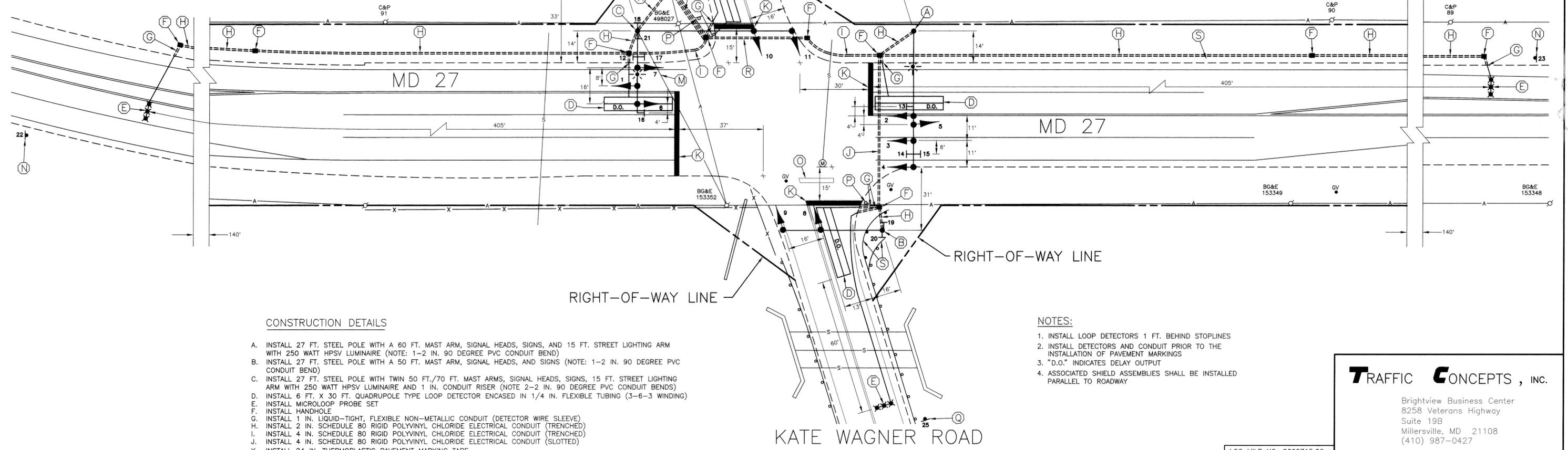


NEMA PHASING



PHASING NOTES:

- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

- INSTALL 27 FT. STEEL POLE WITH A 60 FT. MAST ARM, SIGNAL HEADS, SIGNS, AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: 1-2 IN. 90 DEGREE PVC CONDUIT BEND)
- INSTALL 27 FT. STEEL POLE WITH A 50 FT. MAST ARM, SIGNAL HEADS, AND SIGNS (NOTE: 1-2 IN. 90 DEGREE PVC CONDUIT BEND)
- INSTALL 27 FT. STEEL POLE WITH TWIN 50 FT./70 FT. MAST ARMS, SIGNAL HEADS, SIGNS, 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE AND 1 IN. CONDUIT RISER (NOTE 2-2 IN. 90 DEGREE PVC CONDUIT BENDS)
- INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (3-6-3 WINDING)
- INSTALL MICROLOOP PROBE SET
- INSTALL HANDHOLE
- INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE NON-METALLIC CONDUIT (DETECTOR WIRE SLEEVE)
- INSTALL 2 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)
- INSTALL 4 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)
- INSTALL 4 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED)
- INSTALL 24 IN. THERMOPLASTIC PAVEMENT MARKING TAPE
- INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 2-2 IN. AND 2-4 IN. 90 DEGREE PVC CONDUIT BENDS)
- PROPOSED OVERHEAD ELECTRIC SERVICE BY BG&E
- REMOVE EXISTING W2-1 SIGN AND INSTALL W3-3 SIGN ON TWO WOOD POSTS APPROXIMATELY 700 FT. IN ADVANCE OF THE INTERSECTION
- REMOVE EXISTING PAVEMENT MARKINGS
- REMOVE EXISTING STOP SIGN
- INSTALL W3-3 SIGN ON TWO WOOD POSTS APPROXIMATELY 400 FT. IN ADVANCE OF THE INTERSECTION
- INSTALL 4 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED)
- REMOVE EXISTING W-BEAM AND INSTALL TRAFFIC BARRIER W-BEAM RADIUS

NOTES:

- INSTALL LOOP DETECTORS 1 FT. BEHIND STOPLINES
- INSTALL DETECTORS AND CONDUIT PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS
- "D.O." INDICATES DELAY OUTPUT
- ASSOCIATED SHIELD ASSEMBLIES SHALL BE INSTALLED PARALLEL TO ROADWAY

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

REVISIONS	APPROVALS	REVISIONS
	<i>[Signature]</i> ASSISTANT DIVISION CHIEF	
	<i>[Signature]</i> ASST. DISTRICT ENGINEER, TRAFFIC	
	<i>[Signature]</i> CHIEF, TRAFFIC ENG. DESIGN DIV.	
	<i>[Signature]</i> DIR., OFFICE OF TRAFFIC AND SAFETY	

LOG MILE NO. 0602715.82

TRAFFIC CONCEPTS, INC.
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8258 Veterans Highway
Suite 19B
Millersville, MD 21108
(410) 987-0427

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 27 AND KATE WAGNER RD./CHAPEL RD.

DATE: 11-15-97	DRAWN BY: T. ZAYDEL	F.A.P. NO.	PLAN SHEET NO.:	SHEET NO.
SCALE: 1"=20'	DESIGNED BY: T. ZAYDEL	S.H.A. NO. AW280453/853/MS3	TS-3747	1 OF 2
APPROVED BY: <i>[Signature]</i>	CHECKED BY: K. SCHMID	COUNTY: CARROLL		