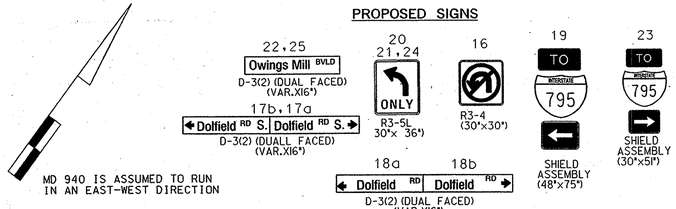
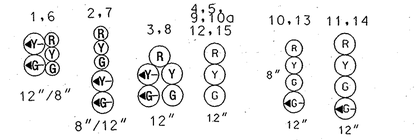
PROPOSED SIGNS

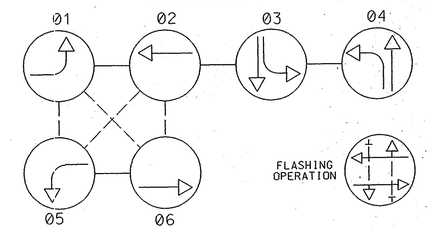


MD 940 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

PROPOSED LED SIGNAL HEADS



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

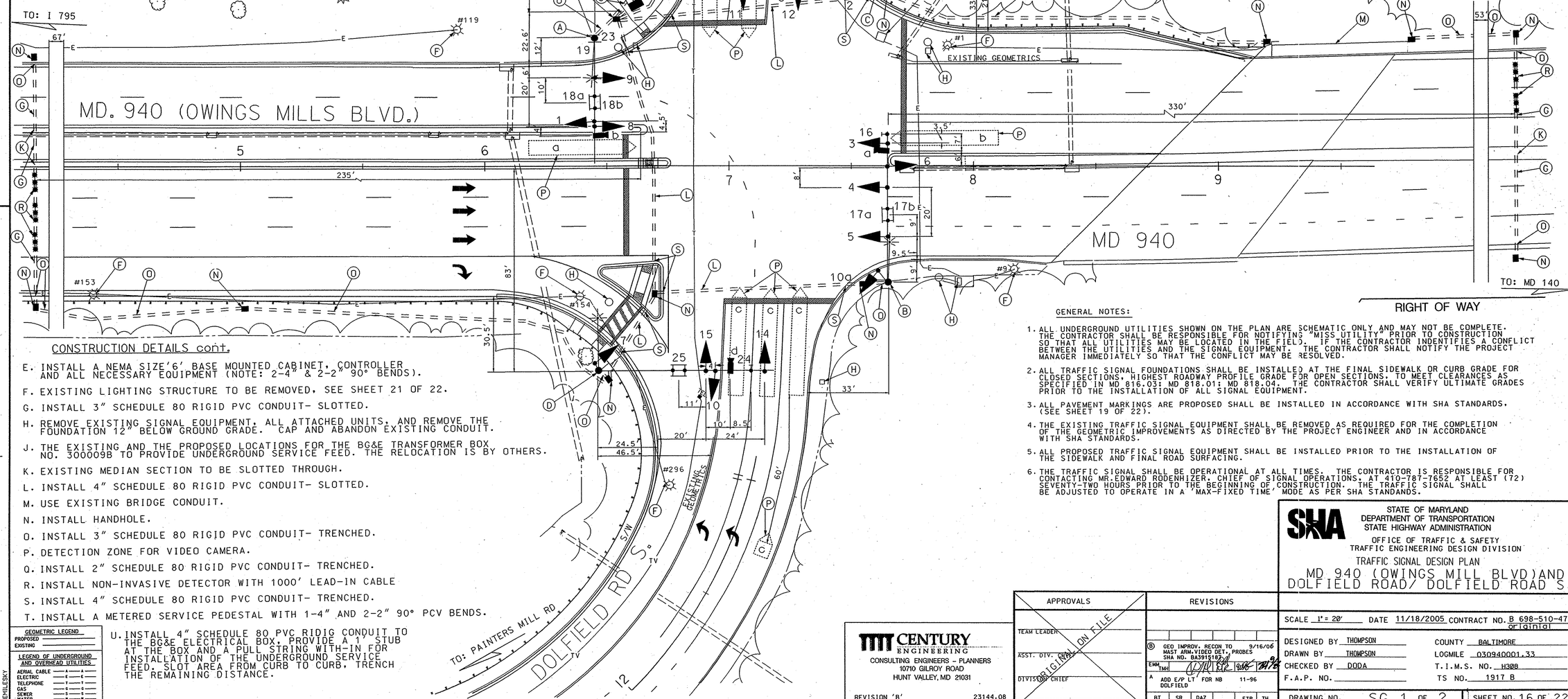
CONSTRUCTION DETAILS

A. INSTALL 27' STEEL POLE WITH 50' MAST ARM, TRAFFIC SIGNAL HEADS, 15' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE, VIDEO DETECTION CAMERA, AND SIGNS. (NOTE: 1-3" 90° PVC BEND).

B. INSTALL 27' STEEL POLE WITH 60' MAST ARM, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, SIGNS, AND 15' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE, (NOTE: 1-3" 90° PVC BEND).

C. INSTALL 27' STEEL POLE WITH 60' MAST ARM, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, SIGNS, AND 15' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE, (NOTE: 1-3" 90° PVC BEND).

D. INSTALL 27' STEEL POLE WITH 70' MAST ARM, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, SIGNS, AND 20' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE, (NOTE: 1-3" 90° PVC BEND).



CONSTRUCTION DETAILS cont.

E. INSTALL A NEMA SIZE 6' BASE MOUNTED CABINET, CONTROLLER AND ALL NECESSARY EQUIPMENT (NOTE: 2-4" & 2-2" 90° BENDS).

F. EXISTING LIGHTING STRUCTURE TO BE REMOVED, SEE SHEET 21 OF 22.

G. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT- SLOTTED.

H. REMOVE EXISTING SIGNAL EQUIPMENT, ALL ATTACHED UNITS, AND REMOVE THE FOUNDATION 12" BELOW GROUND GRADE. CAP AND ABANDON EXISTING CONDUIT.

J. THE EXISTING AND THE PROPOSED LOCATIONS FOR THE BG&E TRANSFORMER BOX NO. 300009B TO PROVIDE UNDERGROUND SERVICE FEED. THE RELOCATION IS BY OTHERS.

K. EXISTING MEDIAN SECTION TO BE SLOTTED THROUGH.

L. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT- SLOTTED.

M. USE EXISTING BRIDGE CONDUIT.

N. INSTALL HANDHOLE.

O. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED.

P. DETECTION ZONE FOR VIDEO CAMERA.

Q. INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED.

R. INSTALL NON-INVASIVE DETECTOR WITH 1000' LEAD-IN CABLE

S. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED.

T. INSTALL A METERED SERVICE PEDESTAL WITH 1-4" AND 2-2" 90° PCV BENDS.

U. INSTALL 4" SCHEDULE 80 PVC RIDIG CONDUIT TO THE BG&E ELECTRICAL BOX. PROVIDE A 1' STUB AT THE BOX AND A PULL STRING WITH-IN FOR INSTALLATION OF THE UNDERGROUND SERVICE FEED. SLOT AREA FROM CURB TO CURB, TRENCH THE REMAINING DISTANCE.

GEOMETRIC LEGEND
PROPOSED
EXISTING

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

GENERAL NOTES:

1. ALL UNDERGROUND UTILITIES SHOWN ON THE PLAN 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 INDENTIFIES A CONFLICT BETWEEN THE UTILITIES AND THE SIGNAL EQUIPMENT. THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER 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 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

3. ALL PAVEMENT MARKINGS ARE PROPOSED SHALL BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS. (SEE SHEET 19 OF 22).

4. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED AS REQUIRED FOR THE COMPLETION OF THE GEOMETRIC IMPROVEMENTS AS DIRECTED BY THE PROJECT ENGINEER AND IN ACCORDANCE WITH SHA STANDARDS.

5. ALL PROPOSED TRAFFIC SIGNAL EQUIPMENT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF THE SIDEWALK AND FINAL ROAD SURFACING.

6. THE TRAFFIC SIGNAL SHALL BE OPERATIONAL AT ALL TIMES. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING MR.EDWARD RODENHIZER, CHIEF OF SIGNAL OPERATIONS, AT 410-787-7652 AT LEAST (72) SEVENTY-TWO HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION. THE TRAFFIC SIGNAL SHALL BE ADJUSTED TO OPERATE IN A 'MAX-FIXED TIME' MODE AS PER SHA STANDANDS.

CENTURY ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031

REVISION 'B' 23144.08

APPROVALS	
TEAM LEADER	ORIGINAL ON FILE
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS				
B	GEO IMPROV. RECON TO MAST ARM.VIDEO DET. PROBES SHA NO. BA391518			9/16/06
A	ADD E/P LT' FOR NB DOLFIELD			11-96
BT	SR	DAZ	ETP	TH

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL DESIGN PLAN
MD 940 (OWINGS MILL BLVD)AND DOLFIELD ROAD/ DOLFIELD ROAD S.

SCALE 1" = 20' DATE 11/18/2005 CONTRACT NO. B 698-510-472 ORIGINAL

DESIGNED BY THOMPSON
DRAWN BY THOMPSON
CHECKED BY DODA
F.A.P. NO.

COUNTY BALTIMORE
LOGMILE 030940001.33
T.I.M.S. NO. H308
TS NO. 1917 B

DRAWING NO. SG 1 OF 2 | SHEET NO. 16 OF 22

PLOTTED: THURSDAY, SEPTEMBER 21, 2006 AT 11:58 AM

BY: EMILESKY