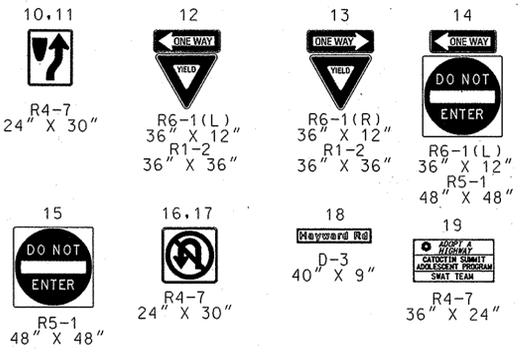
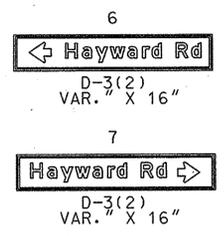


U.S. 15 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

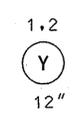
EXISTING SIGNS TO REMAIN



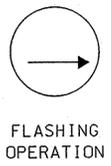
PROPOSED SIGNS



PROPOSED LED SIGNALS

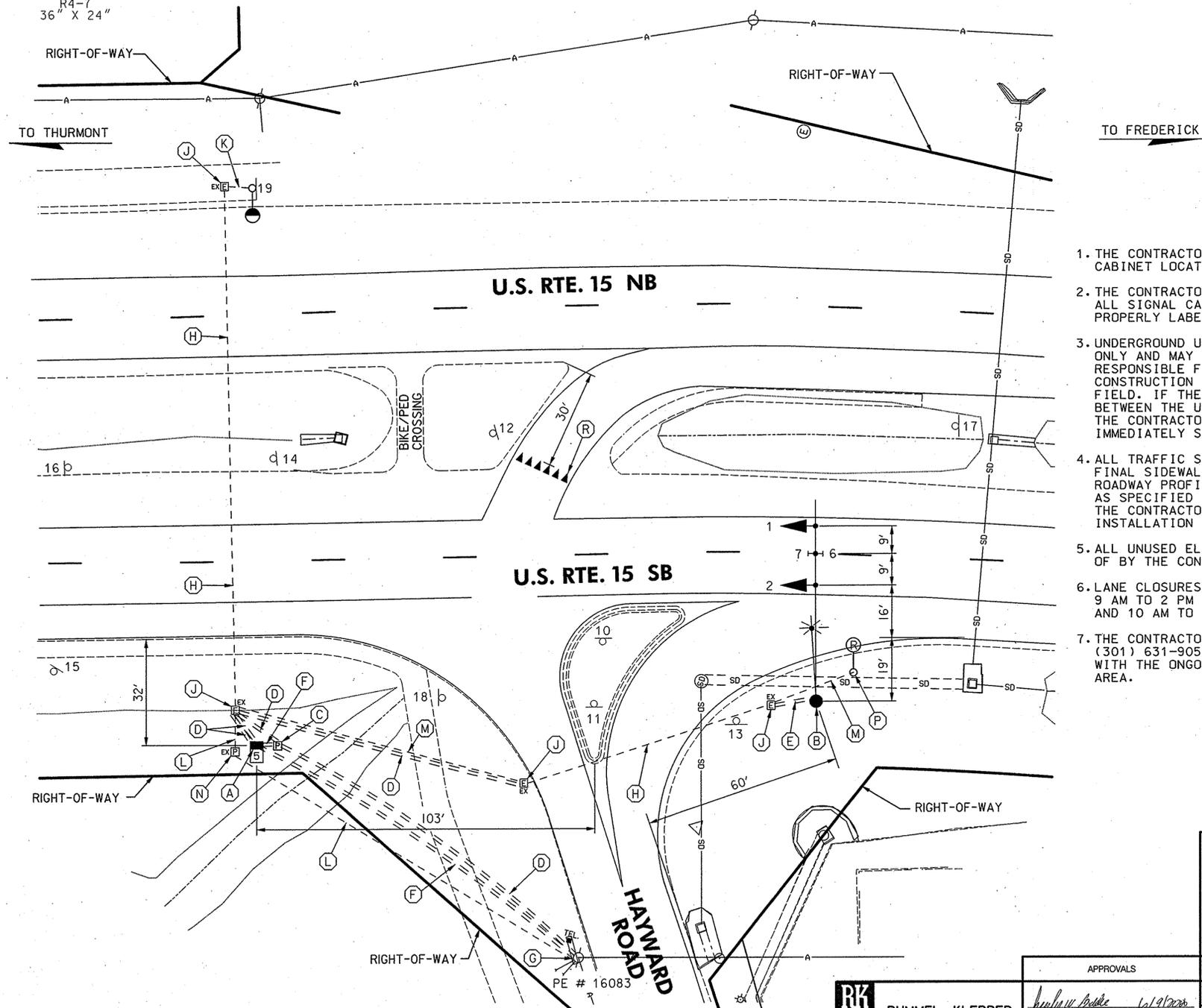


NEMA PHASING



CONSTRUCTION DETAILS

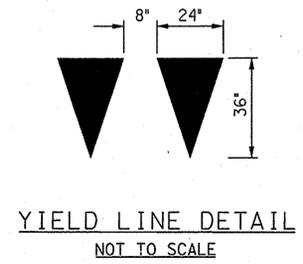
- A. INSTALL NEMA SIZE 5 BASE MOUNT CABINET AND CONTROLLER. (NOTE: INSTALL 2 - 2" AND 2 - 4" PVC CONDUIT BENDS.)
- B. INSTALL 27 FT. MAST ARM POLE WITH 60 FT. MAST ARM, 20 FT. STREET LIGHTING ARM AND 250 WATT HPS LUMINAIRE WITH PHOTOCCELL, 12" LED VEHICULAR TRAFFIC SIGNAL HEADS, AND SIGNS (NOTE: INSTALL 1-3 IN. PVC CONDUIT BEND IN POLE BASE)
- C. INSTALL METERED SERVICE PEDESTAL
- D. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
- E. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
- F. INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
- G. STUB CONDUITS AT POLE BASE, BGE & VERIZON TO MAKE FINAL CONNECTIONS
- H. USE EXISTING CONDUIT
- J. USE EXISTING ELECTRICAL MANHOLE
- K. USE EXISTING DUCT CABLE.
- L. CAP AND ABANDON EXISTING CONDUIT AND REMOVE UNUSED CABLE
- M. ABANDON EXISTING ELECTRICAL DUCT CABLE
- N. REMOVE EXISTING METERED SERVICE PEDESTAL (20 AMP ON WOOD POST)
- P. REMOVE EXISTING LIGHT POLE AND FOUNDATION TO ONE FOOT BELOW FINAL GRADE
- R. INSTALL 36" X 24" YIELD LINE ('SHARKS TEETH') PAVEMENT MARKINGS (SEE DETAIL THIS SHEET)



GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
3. 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.
4. 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, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
5. ALL UNUSED ELECTRICAL CABLE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
6. LANE CLOSURES WILL ONLY BE PERMITTED BETWEEN THE HOURS OF 9 AM TO 2 PM MONDAY THROUGH FRIDAY ON NORTHBOUND U.S. 15 AND 10 AM TO 3 PM ON SOUTHBOUND U.S. 15.
7. THE CONTRACTOR SHALL CONTACT MR. DAVID JAMES AT (301) 631-9053 PRIOR TO BEGINNING ANY WORK TO COORDINATE WITH THE ONGOING MD 26 RAMP CONSTRUCTION PROJECT IN THE AREA.

TOD No.: AT783-08
SHA No.: FR558A53/B53



GEOMETRIC LEGEND

---	EXISTING
---	PROPOSED

UTILITY LEGEND

SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
F	FIBER-OPTIC

RK & K
RUMMEL, KLEPPER & KAHL, LLP
CONSULTING ENGINEERS
81 MOSHER STREET
BALTIMORE, MARYLAND 21217
TELE: (410) 728-2900 FAX: (410) 383-3270

APPROVALS

DESIGNED BY	TC	DATE	6/19/2006
DRAWN BY	TC	DATE	6-15-06
CHECKED BY	DAE	DATE	6/12/06
FAP NO.	NA	DATE	

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

U.S. 15 AND HAYWARD ROAD
FREDERICK, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE	1" = 20'	DATE	06/01/2006	CONTRACT NO.	AT7835185
DESIGNED BY	TC	COUNTY	FREDERICK	LOGMILE	10001516.18
DRAWN BY	TC	TIMS NO.	H022	TOD NO.	NA
CHECKED BY	DAE	TS NO.	4487	DRAWING	OF -
FAP NO.	NA	SHEET NO.	1	OF	2

BY: \$USER\$