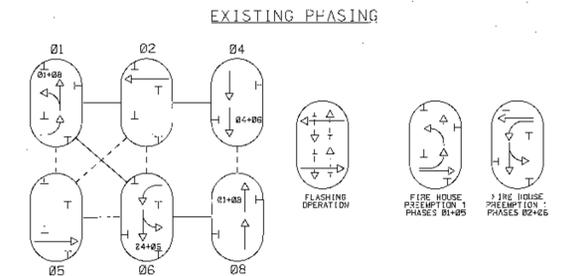
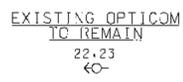
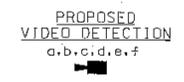
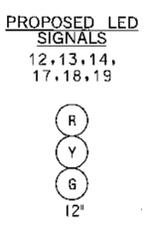
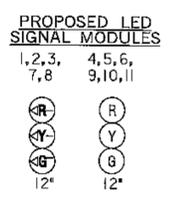
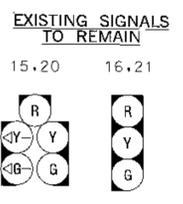
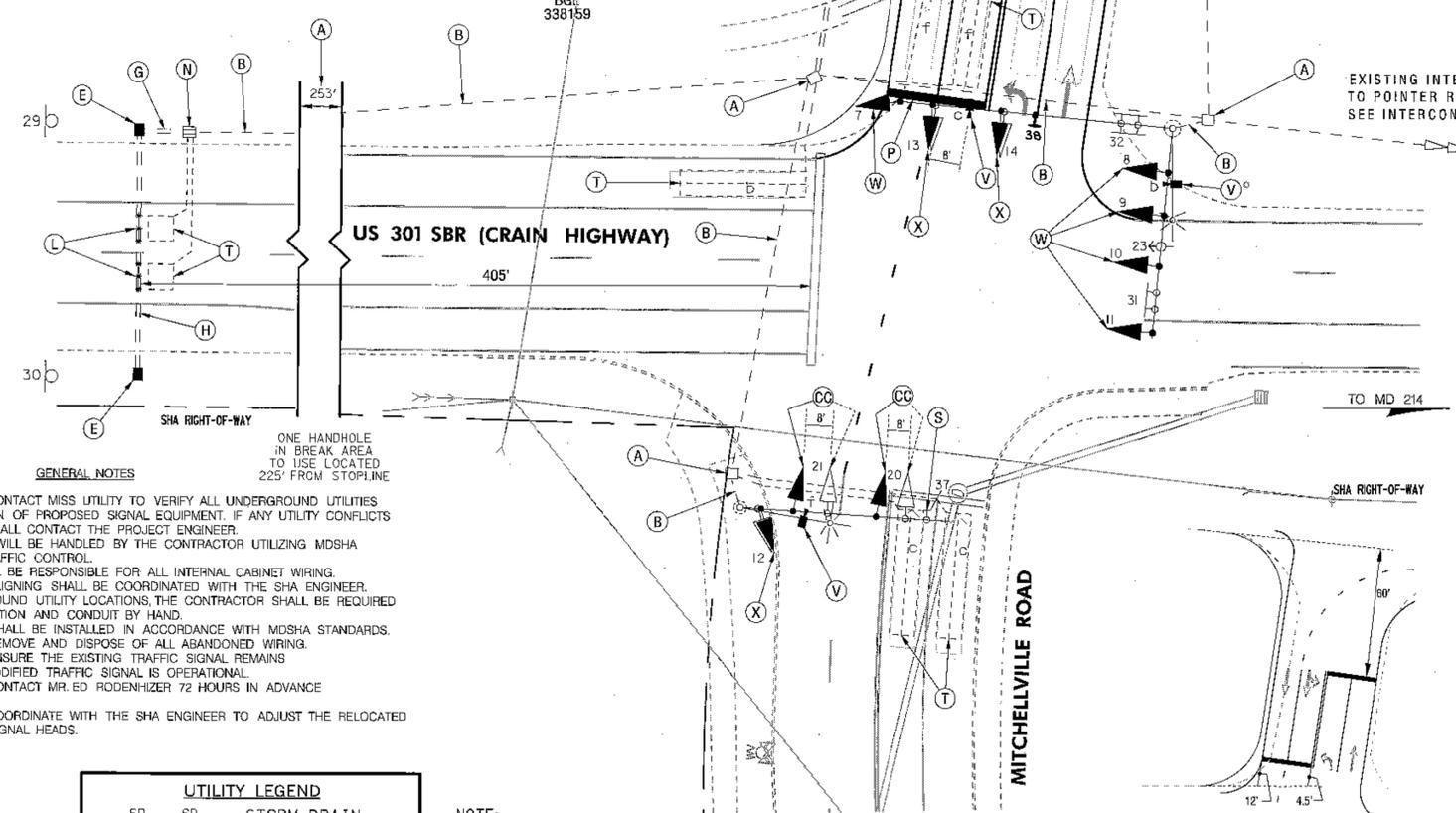
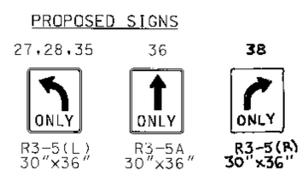


US 301 ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION



NOTE: PHASES ASSOCIATED BY A DASHED LINE MAY WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



ONE HANDHOLE IN BREAK AREA TO BE REMOVED LOCATED 194 FT FROM STOPLINE AND ONE HANDHOLE TO INSTALL LOCATED 194 FT FROM STOPLINE

CONSTRUCTION DETAILS

- A. USE EXISTING ELECTRICAL HANDHOLE
- B. USE EXISTING ELECTRICAL CONDUIT
- C. REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL EQUIPMENT; NOTIFY THE SHA SIGNAL SHOP TO SALVAGE THE CABINET AND CONTROLLER EQUIPMENT; REMOVE AND CAP EXISTING POWER FEED EQUIPMENT
- D. REMOVE EXISTING POLE MOUNTED TRAFFIC SIGNAL CABINET; REMOVE AND CAP EXISTING POWER FEED EQUIPMENT
- E. INSTALL ELECTRICAL HANDHOLE
- F. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
- G. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
- H. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (SLOTTED)
- J. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED)
- K. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
- L. INSTALL NON-INVASIVE MICROLOOP PROBE (SET OF TWO)
- M. EXISTING EQUIPMENT TO BE REMOVED AS PART OF THE ROADWAY EXCAVATION OR ABANDONED
- N. REMOVE EXISTING HANDHOLE AND EXTEND CONDUIT AS SHOWN
- O. INTERCEPT EXISTING CONDUIT AND EXTEND 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) TO PROPOSED HANDHOLE FOR FUTURE USE
- P. ERADICATE EXISTING STOP LINE AND INSTALL 24 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (FOR STOP LINE)
- Q. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) - FOR UNDERGROUND POWER SERVICE. THE CONTRACTOR SHALL CAP, MARK, AND LEAVE A ONE FOOT STUB WITH PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.
- R. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) - FOR PROPOSED TELEPHONE SERVICE. CAP AND MARK CONDUIT, AND LEAVE A 1 FT. STUB WITH PULL STRING AT UTILITY POLE FOR USE BY OTHERS.
- S. REMOVE EXISTING OVERHEAD SIGN
- T. EXISTING LOOP OR MICROLOOP PROBE TO BE REMOVED BY GRIND OR ABANDONED
- U. ABANDON EXISTING CONDUIT; CAP NEAREST HANDHOLE
- V. INSTALL VIDEO DETECTION CAMERA ON EXISTING TRAFFIC SIGNAL STRUCTURE
- W. INSTALL LED SIGNAL MODULE
- X. INSTALL NEW LED TRAFFIC SIGNAL HEAD
- Y. INSTALL METEDED SERVICE PEDESTAL NOTE 3-2 IN. PVC 90 DEGREE BENDS, 1-4 IN. PVC 90 DEGREE BEND, AND 1-3/4 IN. PVC 90 DEGREE BEND)
- Z. INSTALL OVERHEAD SIGN
- AA. RELOCATE EXISTING OVERHEAD SIGN
- BB. REMOVE EXISTING SPAN WIRE AND WEATHERHEADS. CAP EXISTING TRAFFIC SIGNAL STRUCTURES
- CC. RELOCATE EXISTING OPTICALLY PROGRAMMED SIGNAL HEAD (SEE NOTE 10)
- DD. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORTS
- EE. INSTALL NEMA SIZE 18" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE 2-2 IN. AND 2-4 IN. 90 DEGREE BENDS)

GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSA STANDARD PLATES FOR TRAFFIC CONTROL.
3. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
4. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
5. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
6. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
7. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED WIRING.
8. THE CONTRACTOR SHALL ENSURE THE EXISTING TRAFFIC SIGNAL REMAINS OPERATIONAL UNTIL THE MODIFIED TRAFFIC SIGNAL IS OPERATIONAL.
9. THE CONTRACTOR SHALL CONTACT MR. ED RODENHIZER 72 HOURS IN ADVANCE OF SIGNAL CONSTRUCTION.
10. THE CONTRACTOR SHALL COORDINATE WITH THE SHA ENGINEER TO ADJUST THE RELOCATED OPTICALLY PROGRAMMED SIGNAL HEADS.

UTILITY LEGEND

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

NOTE: THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE (1) YEAR. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME, THESE PLANS SHALL BE NULL AND VOID WITH A RE-REVIEW REQUIRED FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

EAPD PERMIT NO. _____

GEOMETRIC LEGEND

---	EXISTING
---	PROPOSED

APPROVALS

TEAR LEADER	ASST. DIV. CHIEF	OFFICE DIRECTOR
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REVISIONS

NO.	DESCRIPTION	DATE
1	MODIFY TRAFFIC SIGNAL FOR NEW GEOMETRICS	OCTOBER 2010
2	INSTALL OPTICOM DETECTOR EYE FOR NORTHBOUND US 301	FEB 2009

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

US 301 (CRAIN HIGHWAY) AT MITCHELLVILLE ROAD/QUEEN ANNE BRIDGE ROAD

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE FEBRUARY 2000 CONTRACT NO. XX1005185

DESIGNED BY SPP COUNTY PRINCE GEORGES
DRAWN BY SPP LOGMILE 18090121.31
CHECKED BY TMHCJ T.I.M.S. NO. J181
F.A.P. NO. AC-STPG-0005(683)E TOD NO. _____

DRAWING NO. **TS-3524-C** OF SHEET NO. OF

LENHART TRAFFIC CONSULTING
TRAFFIC ENGINEERING & TRANSPORTATION PLANNING

331 Redwood Grove Court Millersville, Maryland 21108
Tel: (410) 987-3888 Fax: (443) 782-2288