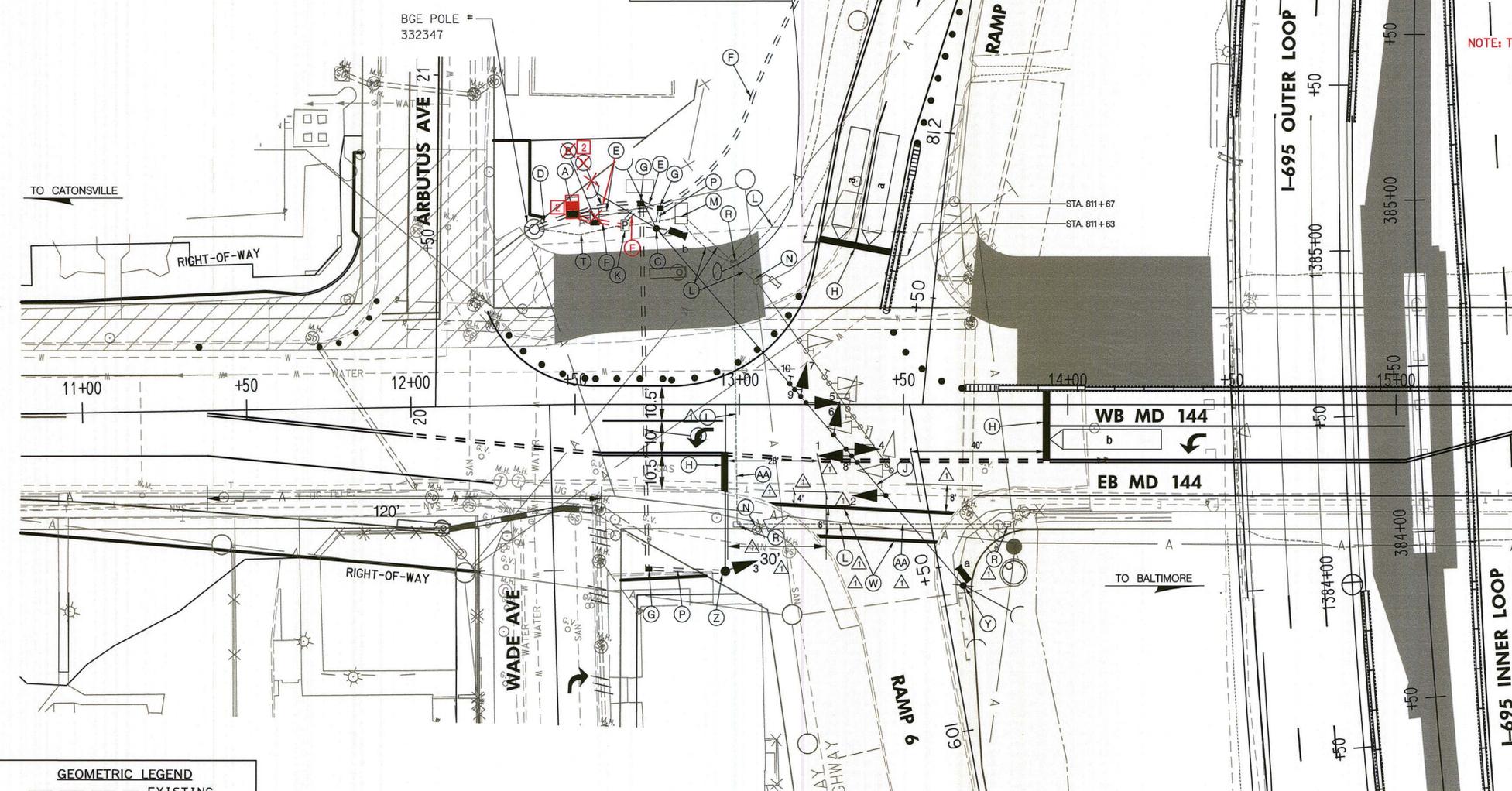
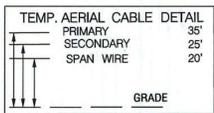
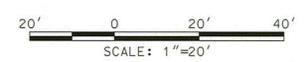


NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION WITH NEMA ^{[2] SIZE S} ~~SIZE 6~~ BASE MOUNTED CABINET AND CONTROLLER WITH AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON BASE UNIT AND ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE.
- NOTE: TWO (2) ~~(NOTE: THREE (3) 4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).~~ STA. 12+50, 57' LT.
- ^[2] B. ~~INSTALL A NEMA SIZE 5 BASE MOUNTED CABINET WITH UPS BATTERY BACK UP SYSTEM. (NOTE: TWO-2 IN. PVC SCHEDULE 80 90-DEGREE CONDUIT BENDS IN BASE).~~ STA. 12+56, 55' LT.
- C. INSTALL 40 FT. CLASS II WOOD POLE WITH SPAN WIRE, TWO-3 IN. WEATHER HEADS, TWO-3 IN. PVC SCHEDULE 80 RISERS, VIDEO DETECTION CAMERA, AND BACK GUY ASSEMBLY. STA. 12+74, 53' LT.
- D. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR PHONE DROP. - TRENCHED. STUB OUT CONDUIT BEND AT BASE OF UTILITY POLE.
- E. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- F. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- G. INSTALL HANDHOLE.
- H. INSTALL 24 IN. WHITE REMOVABLE PAVEMENT LINE MARKINGS FOR STOP LINE.
- J. INSTALL 3/8 IN. SPAN WIRE WITH A 1/4 IN. TETHER WIRE WITH TRAFFIC SIGNAL HEADS AND SIGNS.
- K. REUSE EXISTING METER SERVICE PEDESTAL.
- L. CAP AND ABANDON EXISTING CONDUIT.
- M. REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER.
- N. REMOVE EXISTING SIGNAL POLE AND FOUNDATION 12 IN. BELOW SUBGRADE AND BACKFILL.
- P. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- Q. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- R. REMOVE EXISTING HANDHOLE 12 IN. BELOW GRADE AND BACKFILL.
- S. USE EXISTING HANDHOLE.
- T. USE EXISTING CONDUIT.
- U. MAINTAIN EXISTING LOOP DETECTORS.
- V. USE EXISTING HANDHOLE. PULL BACK AND REROUTE EXISTING LOOP DETECTOR CABLES TO THE NEW CABINET.
- W. INSTALL 12 IN. WHITE REMOVABLE PAVEMENT LINE MARKINGS FOR CROSSWALK.
- ^[2] X. ~~INSTALL TWO (2) 4 IN. PVC SCHEDULE 80 CONDUITS - TRENCHED.~~
- Y. INSTALL 40 FT. CLASS II WOOD POLE WITH SPAN WIRE, ONE (1) 3 IN. RISER, ONE (1) 3 IN. WEATHERHEAD, VIDEO DETECTION CAMERA, AND BACK GUY ASSEMBLY. STA. 13+68, 55' RT.
- Z. INSTALL MODIFIED CONCRETE FOUNDATION WITH A 14 FT. STEEL PEDESTAL POLE WITH BREAKAWAY COUPLINGS, 12-INCH 5-SECTION SIGNAL HEAD MOUNTED ON PEDESTAL POLE TOP. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 12+96, 50' RT
- AAA. REMOVE AND DISPOSE INTERCONNECT CABLES FROM ALL HANDHOLES AND CONDUITS.



MOT STAGE 2

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 144 (FREDERICK ROAD) AT I-695 SB RAMP
INTERCHANGE RECONSTRUCTION
CATONSVILLE, MARYLAND

TRAFFIC SIGNAL PLAN

DESIGNED BY: J. PALADUGU COUNTY: BALTIMORE
DRAWN BY: J. PALADUGU LOGMILE: 00314404.04
CHECKED BY: S. RENZI/WEAVER T.I.M.S. NO.: G660
F.A.P. NO.: SEE TITLE SHEET TOD NO.:
TS NO. 4381A DRAWING NO. pSG OF P002 SHEET NO. 186 OF 235

APPROVALS	REVISIONS
TEAM LEADER	NOVEMBER 3, 2010 REVISED SIGNALHEAD PLACEMENT FOR EB MD 144. REMOVAL OF EXISTING SIGNAL EQUIPMENT FROM STAGE 1 MOT.
ASST. DIV. CHIEF	^[2] REDLINE REVISION NO. 2, 08/19/2011
DIVISION CHIEF	
OFFICE DIRECTOR	

SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 100
BALTIMORE, MD 21227
(410) 737-8564
WWW.SABRA-WANG.COM

NOTE: REFER TO SHEET MOT 23 FOR PEDESTRIAN DETOUR DURING THIS PHASE.

GEOMETRIC LEGEND

- EXISTING
- PROPOSED

UTILITY LEGEND

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

BY: khodges