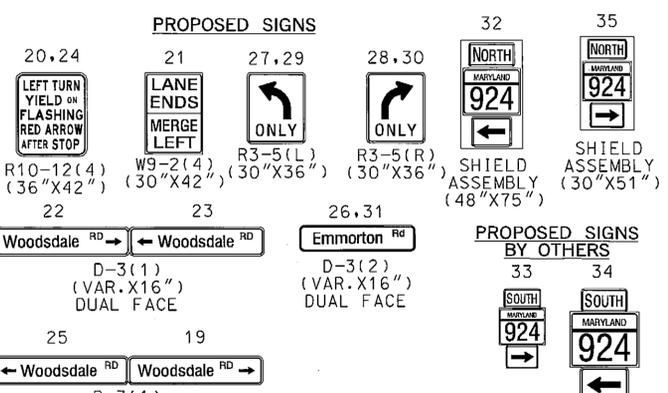
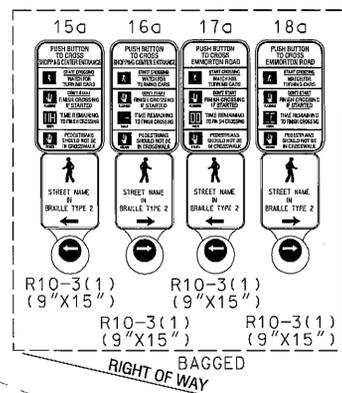
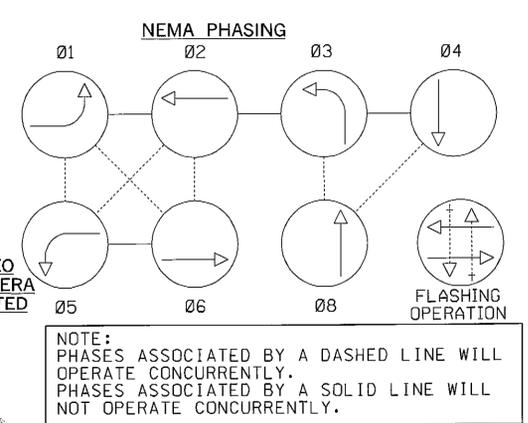
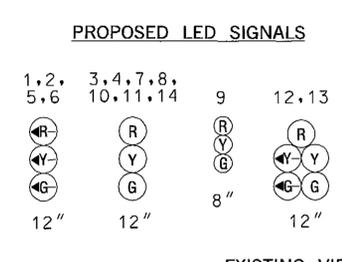
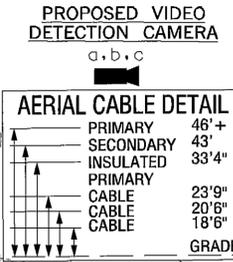


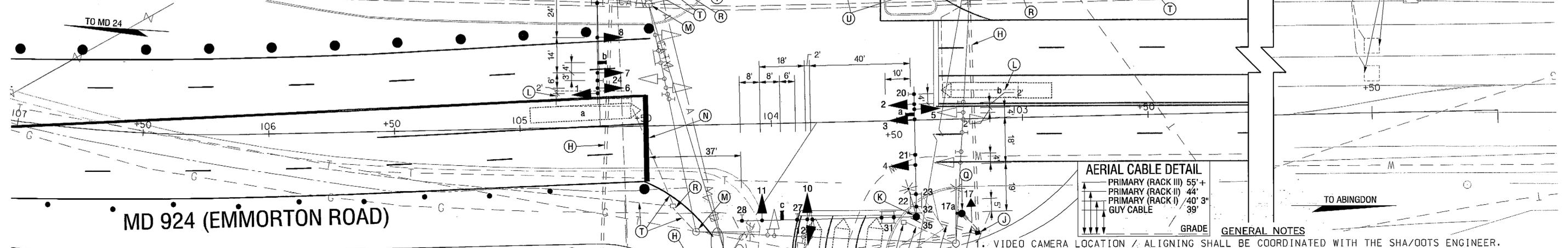
MD 924 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION



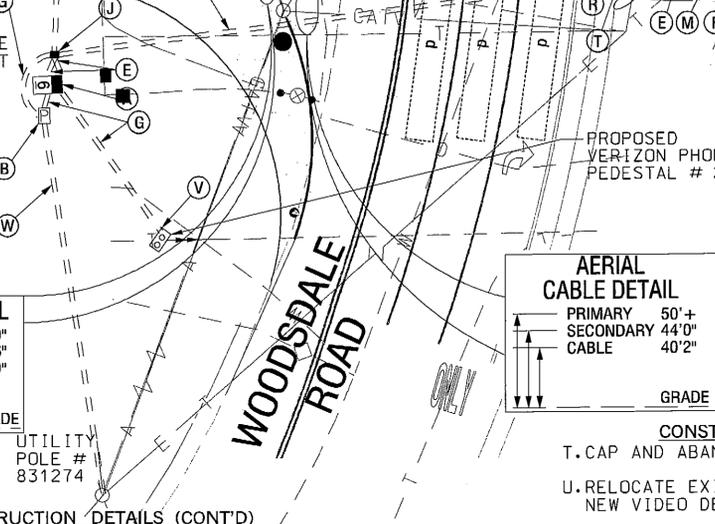
SHOPPING CENTER ENTRANCE



- A. INSTALL A NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER WITH AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON BASE UNIT. (NOTE: TWO-4 IN. PVC. AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS). STA. 104+69, 68' LT.
- B. INSTALL 200 AMP METERED SERVICE PEDESTAL. (NOTE: ONE-4 IN. AND TWO-2 IN. SCHEDULE 80, 90-DEGREE CONDUIT BENDS IN PEDESTAL BASE).



- C. INSTALL CONCRETE FOUNDATION WITH 27 FT. STEEL POLE (CUT TOP OF POLE DOWN TO 21') WITH SINGLE 50 FT. MAST ARM WITH SIGNAL HEADS, SIGNS AND OVERHEAD VIDEO DETECTION CAMERA MOUNTED ON MAST ARM. (NOTE: TWO-4 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BENDS). STA. 104+68, 61' RT.
- D. INSTALL CONCRETE FOUNDATION WITH 27 FT. STEEL POLE WITH SINGLE 60 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, RELOCATED OVERHEAD VIDEO DETECTION CAMERA MOUNTED ON MAST ARM, 16 IN. LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS SHOPPING CENTER ENTRANCE"), AND AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: TWO-4 IN. SCHEDULE 80, 90-DEGREE CONDUIT BENDS). STA 103+26, 75' RT.
- E. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- F. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- G. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- H. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- J. INSTALL HANDHOLE.
- K. INSTALL CONCRETE FOUNDATION WITH 27 FT. STEEL POLE WITH TWIN 70 FT. AND 50 FT. MAST ARMS, 10 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE, SIGNAL HEADS, SIGNS, AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE-4 IN. AND ONE-2 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BENDS). STA. 103+43, 38' LT.
- L. ABANDON EXISTING LOOP DETECTOR.
- M. REMOVE EXISTING SIGNAL POLE, SPAN WIRE, SIGNAL HEADS, SIGNS AND FOUNDATION 12 IN. BELOW GRADE AND BACK FILL.



- 1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA/OOTS ENGINEER.
- 2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
- 4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED, EXCEPT THE CONTROLLER UNIT AND AUXILIARY EQUIPMENT WITHIN THE CABINET, SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATIONS.
- 5. ALL UNUSED SIGNAL CABLES SHALL BE REMOVED AND DISPOSED.
- 6. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- 7. 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 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- 8. THE CONTRACTOR SHALL CONTACT THE ENGINEER 2 WEEKS PRIOR TO BEGINNING SIGNAL WORK TO ARRANGE FOR SHA SIGNAL INSPECTION.
- 9. INSTALL 10 FEET OF ADDITIONAL SLACK OF ELECTRICAL CABLE FOR SIGNAL HEADS NUMBER 6 AND 7.

GEOMETRIC LEGEND	
	EXISTING
	PROPOSED

MOT LEGEND	
	WORK ZONE
	TEMPORARY SIGN AND POST
	CRASH CUSHION SAND FILLED PLASTIC BARRIERS
	TYPE III BARRICADE
	DRUMS
	PRECAST TEMPORARY CONCRETE TRAFFIC BARRIER

- P. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE WITH 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS SHOPPING CENTER ENTRANCE") AND AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-3 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA. 104+37.70' RT.
- Q. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE WITH 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS EMMORTON ROAD"), AND AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-3 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA. 103+15.66' RT. AND STA. 103+26.37' LT.
- R. REMOVE EXISTING HANDHOLE AND BACK FILL.
- S. REMOVE EXISTING BASE MOUNTED CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACK FILL.

**CONSTRUCTION DETAILS (CONT'D)**

T. CAP AND ABANDON EXISTING CONDUIT.

U. RELOCATE EXISTING VIDEO DETECTION CAMERA TO MAST ARM. PROVIDE NEW VIDEO DETECTION CABLE.

V. PROVIDE 90-DEGREE CONDUIT BEND TO STUB-UP AT THE BASE OF THE VERIZON PHONE PEDESTAL. INSTALL STUB-UP 1 FT. ABOVE GRADE.

W. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED (STUB UP AT BASE OF UTILITY POLE).

SCALE: 1" = 20'

**SABRA, WANG & ASSOCIATES, INC.**  
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WWW.SABRA-WANG.COM

APPROVALS	REVISIONS
<p>TEAM LEADER, TRAFFIC ENGINEERING DIVISION</p> <p>ASST. CHIEF TRAFFIC ENGINEERING DIVISION</p> <p>CHIEF TRAFFIC ENGINEERING DIVISION</p> <p>DIRECTOR, OFFICE OF TRAFFIC &amp; SAFETY</p>	<p>REPLACE SHEET</p> <p>STAGE 2 &amp; 3 MOT SIGNAL DUE TO GEOMETRIC IMPROVEMENTS (MDTA # 10-27-000-002(R2))</p> <p>SWA</p> <p>REPLACE WOODSDALE ROAD DETECTION VDD EP LT FOR WOODSDALE RD</p> <p>TZ</p>

**MOT STAGES :2-4**

**SHA** STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION  
MD 924 AT WOODSDALE ROAD IMPROVEMENTS TO I-95 AND MD 24 INTERCHANGE  
ABINGDON, MARYLAND

**TEMPORARY TRAFFIC SIGNAL PLAN**

SCALE 1" = 20' DATE 10/20/06 CONTRACT NO. 11-520-501502-470

DESIGNED BY E.SIMMERS COUNTY HARRFORD  
DRAWN BY E.SIMMERS LOGMILE 12092400.19  
CHECKED BY S.RENZI TMS NO. H. 672  
FAP NO. TOD NO.

TS NO. 2241D DRAWING **PSG** OF **P004** SHEET NO. 448 OF 597