

GENERAL

INTERSECTION OPERATION

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE MARYLAND STATE HIGHWAY ADMINISTRATION.

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

WIRING DIAGRAM

KEY

- B, C, D, F, J, L, M, N, P, S, T, U, W, X, Y, A1, A2, A3, A4, A5, A6, A7, A8 } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- A, E, G, H, O, R, V } 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- C1, C2, C3, C4, C5, C6, C7, C8 } 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- B1, B2, B3, B4 } 2 CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG) TRAY CABLE
- B5, B6, B7, B8, D1, D2 } VIDEO DETECTION CABLE
- Z } 1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE
- E1 } 3 WIRE 1 CONDUCTOR (NO. 4 AWG THHN/THWN)
- PF } PROPOSED UNDERGROUND FEED (BY OTHERS)
- ⊕ } GROUND ROD

The diagram illustrates the wiring for a security system, including a video detection cable and various electrical cables. The key defines the cable types and conductor counts:

- 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG):** B, C, D, F, J, L, M, N, P, S, T, U, W, X, Y, A1, A2, A3, A4, A5, A6, A7, A8
- 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG):** A, E, G, H, O, R, V
- 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG):** C1, C2, C3, C4, C5, C6, C7, C8
- 2 CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG) TRAY CABLE:** B1, B2, B3, B4
- VIDEO DETECTION CABLE:** B5, B6, B7, B8, D1, D2
- 1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE:** Z
- 3 WIRE 1 CONDUCTOR (NO. 4 AWG THHN/THWN):** E1
- PROPOSED UNDERGROUND FEED (BY OTHERS):** PF
- GROUND ROD:** ⊕

The diagram shows the following components and connections:

- Video Detection Cable:** A series of loops labeled B1, B2, B3, B4, B5, B6, B7, B8, D1, D2. It is connected to a ground rod (⊕) and a proposed underground feed (PF).
- Electrical Cables:** Various cables are shown, including 5-conductor, 7-conductor, and 2-conductor cables. They are labeled with letters and numbers, often with subscripts (e.g., A1, A2, A3, A4, A5, A6, A7, A8).
- Grounding:** A ground rod (⊕) is shown, connected to the video detection cable and other components. A ground wire (Z) is also shown.
- Proposed Underground Feed:** A feed (PF) is shown, connected to the video detection cable and other components.

C. EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLY DRIVE, HANOVER, MARYLAND 21076. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
900000	CONTROLLER AND ITS ASSOCIATED AUXILIARY EQUIPMENT	EA	1

SPECIAL NOTES

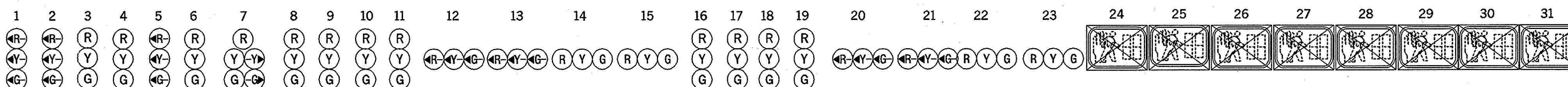
1. THE CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

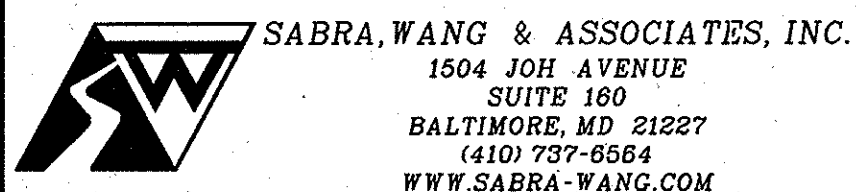
MR. RANDALL SCOTT
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SIGN OPERATIONS MANAGER
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MS. ROXANE MUKAI, TRAFFIC MANAGER
MARYLAND TRANSPORTATION AUTHORITY
PHONE: (410) 288-8484

PHASE CHART



PHASE A	◀R-	◀R-	R	R	◀R-	R	R G R Y	G	G	G	G	◀G-	◀G-	G	G	R	R	R	R	◀R-	◀R-	R	R	BAGGED
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NOTE: THE CONTRACTOR SHALL DELIVER AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON STATION AND BASE UNIT TO THE SHA SIGNAL SHOP PRIOR TO LOCATION INSTALLATION FOR PROGRAMMING. SHA FORCES SHALL INSTALL AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON BASE UNIT IN THE CABINET.

PLOTTED: Friday, July 07, 2006 AT 09:46 AM
FILE: R:\2003\31 McTA 2003-01 prel eng KCI\Task 01 MD24 I-95\Drawings\Signals\pSG-N019 MD24.dgn



A STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 24 AT MD 924 (EMMORTON ROAD)
IMPROVEMENTS TO 195 AND MD 24 INTERCHANGE
ABINGDON, MARYLAND

GENERAL INFORMATION SHEET

SCALE	N.T.S.	DATE	06/2/06	CONTRACT NO.	KH-271-000-002
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DESIGNED BY A. MOHAMMED/SDU COUNTY HARFORD

DRAWN BY M. RAFFLE LOGMILE

CHECKED BY K. RINIKER TMS NO. _____

FAP NO. NONE TOD NO. [illegible]

TS NO.	DRAWING	PSG	OF	N019	SHEET NO.	703	OF	889
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