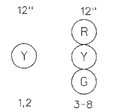
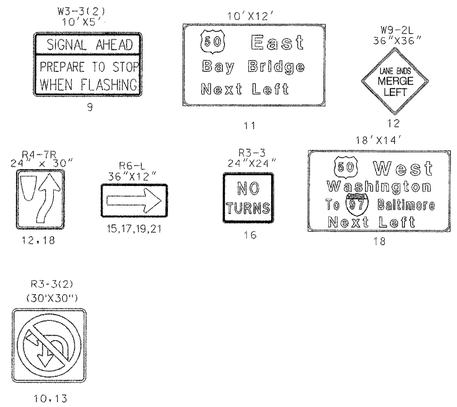
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

EXISTING SIGNALS

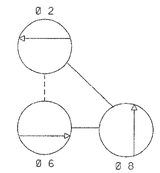


EXISTING SIGNS



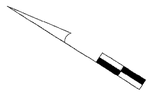
PROPOSED VIDEO DETECTION

NEMA PHASING

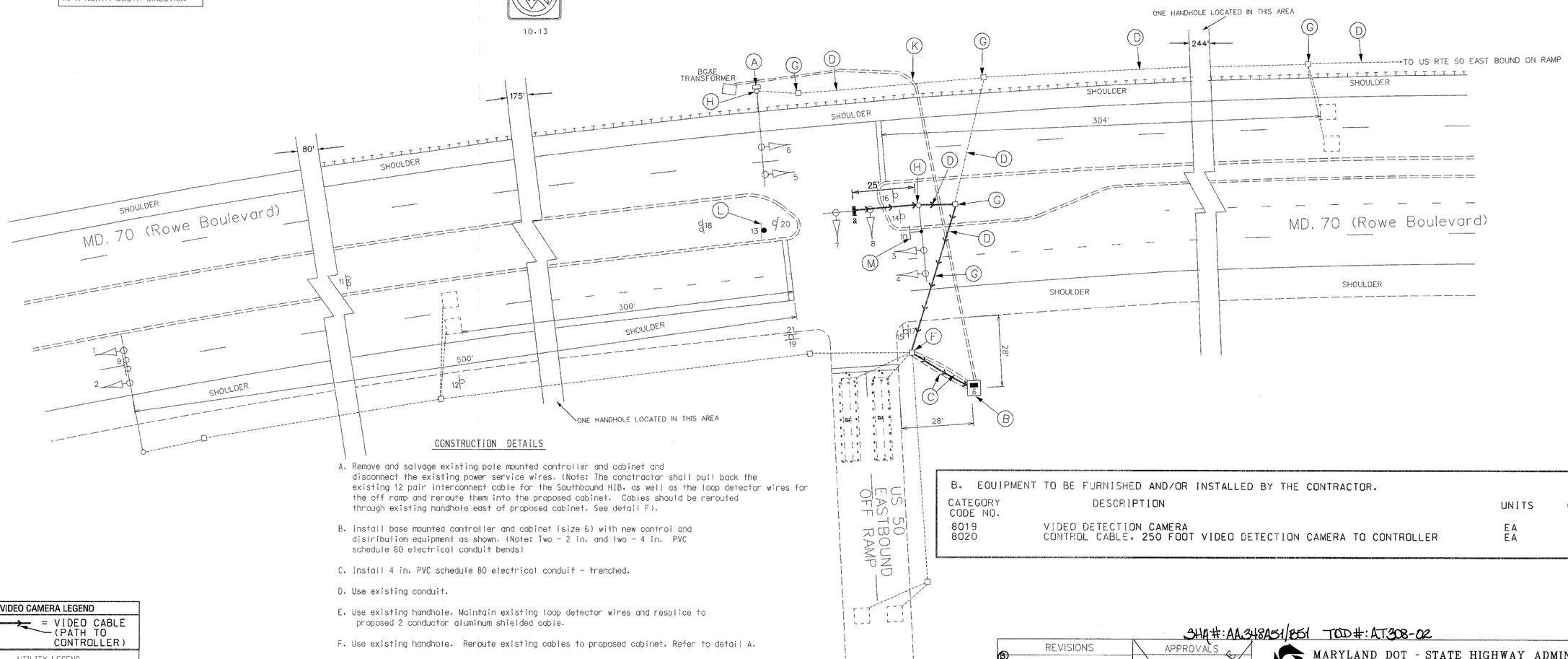


PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE SHALL OPERATE CONCURRENTLY.



MD RTE 70 IS ASSUMED TO RUN IN A NORTH SOUTH DIRECTION



CONSTRUCTION DETAILS

A. Remove and salvage existing pole mounted controller and cabinet and disconnect the existing power service wires. (Note: The conctractor shall pull back the existing 12 pair interconnect cable for the Southbound HIB, as well as the loop detector wires for the off ramp and reroute them into the proposed cabinet. Cables should be rerouted through existing handhole east of proposed cabinet. See detail F).

B. Install base mounted controller and cabinet (size 6) with new control and disiribution equipment as shown. (Note: Two - 2 in. and two - 4 in. PVC schedule 80 electrical conduit bends)

C. Install 4 in. PVC schedule 80 electrical conduit - trenched.

D. Use existing conduit.

E. Use existing handhole. Maintain existing loop detector wires and resplice to proposed 2 conductor aluminum shielded cable.

F. Use existing handhole. Reroute existing cables to proposed cabinet. Refer to detail A.

G. Use existing handhole.

H. Use existing pole base.

J. Rewire existing signal heads.

K. Install 2 in. PVC schedule 80 electrical conduit - pushed

L. Install ground mounted sign.

M. Install overhead sign

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

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
8019	VIDEO DETECTION CAMERA	EA	1
8020	CONTROL CABLE, 250 FOOT VIDEO DETECTION CAMERA TO CONTROLLER	EA	1

SHA#: AA348A51/B51 TOD#: AT308-02

VIDEO CAMERA LEGEND

= VIDEO CABLE (PATH TO CONTROLLER)

UTILITY LEGEND

T	TELEPHONE CABLES
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
BC	BURIED CABLE
SD	STORM DRAIN

GEOMETRIC LEGEND

EXISTING GEOMETRICS

PROPOSED GEOMETRICS

REVISIONS	APPROVALS
6 REPLACE CONTROLLER AND CABINET. ADD PHONE DROP	ASST. DIVISION CHIEF, TEDD
LSC EBA 3/ /04	ASST. DISTRICT ENGINEER, TRAFFIC
5 INSTALL VIDEO DETECTION SHA NO. AT3085185	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
SWA	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

SABRA, WANG & ASSOCIATES, INC.
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BALTIMORE, MD 21227
(410) 737-6564
WWW.SABRA-WANG.COM

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

MD 70 (ROWE BOULEVARD) AND US 50 EASTBOUND OFF RAMP

LOGMILE #: 02007001.74 / 03

DATE / /

DRAWN BY:
CHECK BY:
SCALE: 1"=20'

F.A.P. NO.
S.H.A. NO. AW114A5B / B5B
COUNTY ANNE ARUNDEL

PLAN SHEET NO. TS 2342 C

SHEET NO. 3 OF 6

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DATE:27-Feb-04 10:24