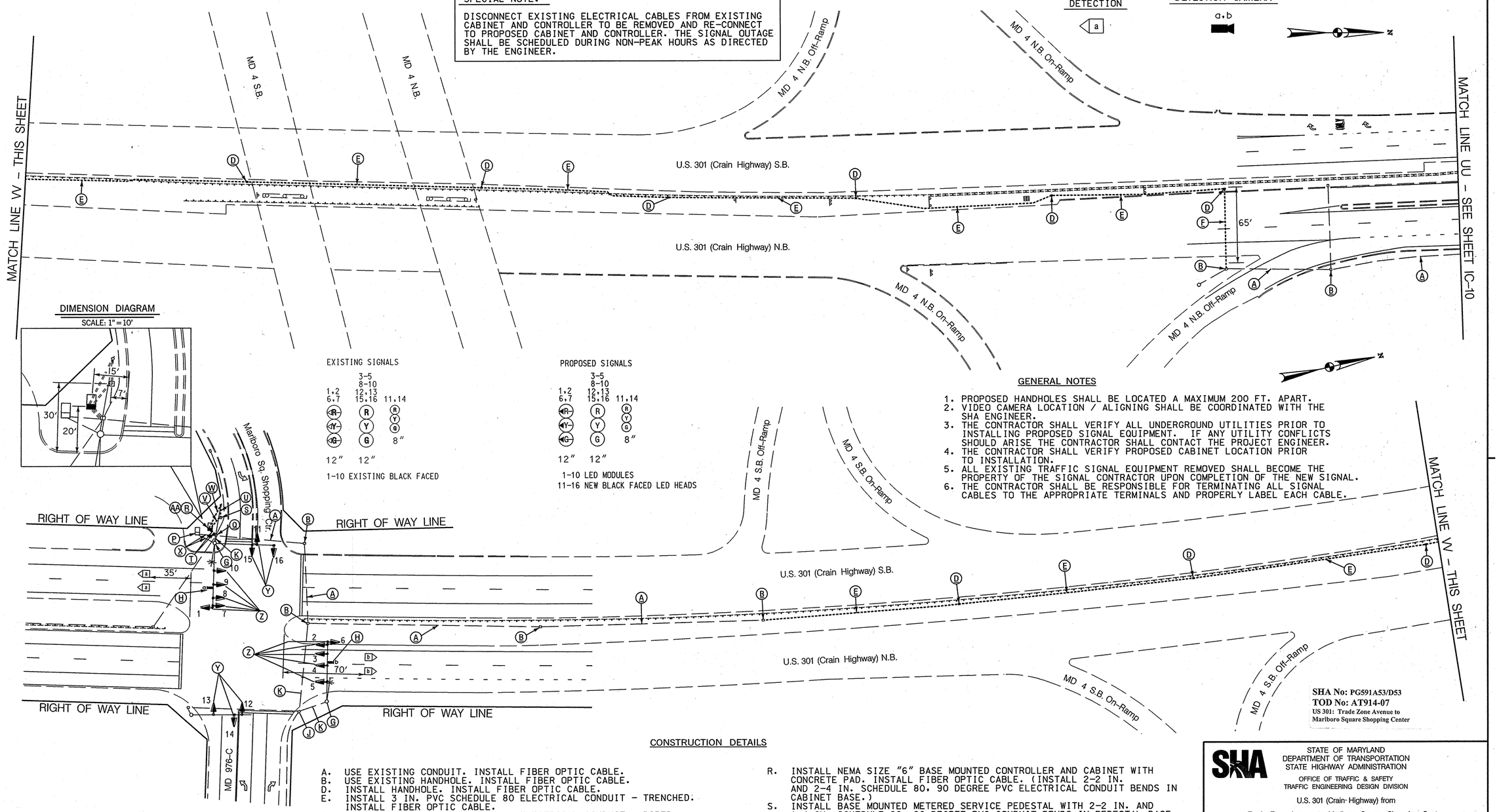
SPECIAL NOTE:

DISCONNECT EXISTING ELECTRICAL CABLES FROM EXISTING CABINET AND CONTROLLER TO BE REMOVED AND RE-CONNECT TO PROPOSED CABINET AND CONTROLLER. THE SIGNAL OUTAGE SHALL BE SCHEDULED DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.

VIDEO ZONE DETECTION

PROPOSED VIDEO DETECTION CAMERA



DIMENSION DIAGRAM

SCALE: 1" = 10'

EXISTING SIGNALS

3-5
8-10
1,2 12,13
6,7 15,16 11,14

R Y G 8"

12" 12"

1-10 EXISTING BLACK FACED

PROPOSED SIGNALS

3-5
8-10
1,2 12,13
6,7 15,16 11,14

R Y G 8"

12" 12"

1-10 LED MODULES
11-16 NEW BLACK FACED LED HEADS

GENERAL NOTES

1. PROPOSED HANDHOLES SHALL BE LOCATED A MAXIMUM 200 FT. APART.
2. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
3. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
4. THE CONTRACTOR SHALL VERIFY PROPOSED CABINET LOCATION PRIOR TO INSTALLATION.
5. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.

SHA No: PG591A53/D53
TOD No: AT914-07
US 301: Trade Zone Avenue to Marlboro Square Shopping Center

CONSTRUCTION DETAILS

A. USE EXISTING CONDUIT. INSTALL FIBER OPTIC CABLE.
B. USE EXISTING HANDHOLE. INSTALL FIBER OPTIC CABLE.
D. INSTALL HANDHOLE. INSTALL FIBER OPTIC CABLE.
E. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. INSTALL FIBER OPTIC CABLE.
F. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED. INSTALL FIBER OPTIC CABLE.
G. USE EXISTING MAST ARM POLE.
H. USE EXISTING MAST ARM AND INSTALL VIDEO DETECTION CAMERA AS SHOWN.
J. USE EXISTING HANDHOLE.
K. USE EXISTING CONDUIT.
P. REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. SHA SIGNAL SHOP SHALL BE NOTIFIED TO REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CABINET.
Q. USE EXISTING HANDHOLE. DISCONNECT AND PULL BACK EXISTING SIGNAL CABLES FROM EXISTING BASE MOUNTED CABINET AND RE-FEED IN NEW CONDUIT TO PROPOSED BASE MOUNTED CABINET. INSTALL FIBER OPTIC CABLE.
R. INSTALL NEMA SIZE "6" BASE MOUNTED CONTROLLER AND CABINET WITH CONCRETE PAD. INSTALL FIBER OPTIC CABLE. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN CABINET BASE.)
S. INSTALL BASE MOUNTED METERED SERVICE PEDESTAL WITH 2-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS IN PEDESTAL BASE.
T. INSTALL 4 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED.
U. INSTALL 4 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE.
V. INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE.
W. INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND TELEPHONE SERVICE.
X. CAP AND ABANDON EXISTING CONDUIT.
Y. REPLACE EXISTING SIGNAL HEAD WITH NEW BLACK FACED LED SIGNAL HEAD
Z. INSTALL NEW LED MODULE IN EXISTING BLACK FACED SIGNAL HEAD
AA. SIGNAL OPERATIONS SECTION TO INSTALL ALL CONTRACTOR SUPPLIED FIBER OPTIC EQUIPMENT IN EXISTING TRAFFIC SIGNAL CABINET

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

U.S. 301 (Crain Highway) from
Trade Zone Avenue to Marlboro Square Shopping Center

INTERCONNECT PLAN

SCALE 1" = 40'	DATE 3/26/2008	CONTRACT NO. AT9145185	
DESIGNED BY S. Bloss		COUNTY Prince George's	
DRAWN BY S. Bloss		LOGMILE	
CHECKED BY N. Leary		TIMS NO. H402	
FAP NO.		TOD NO.	
TS NO. -	DRAWING IC-11 – IC-11 OF IC-12	SHEET NO. 11 OF 12	

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