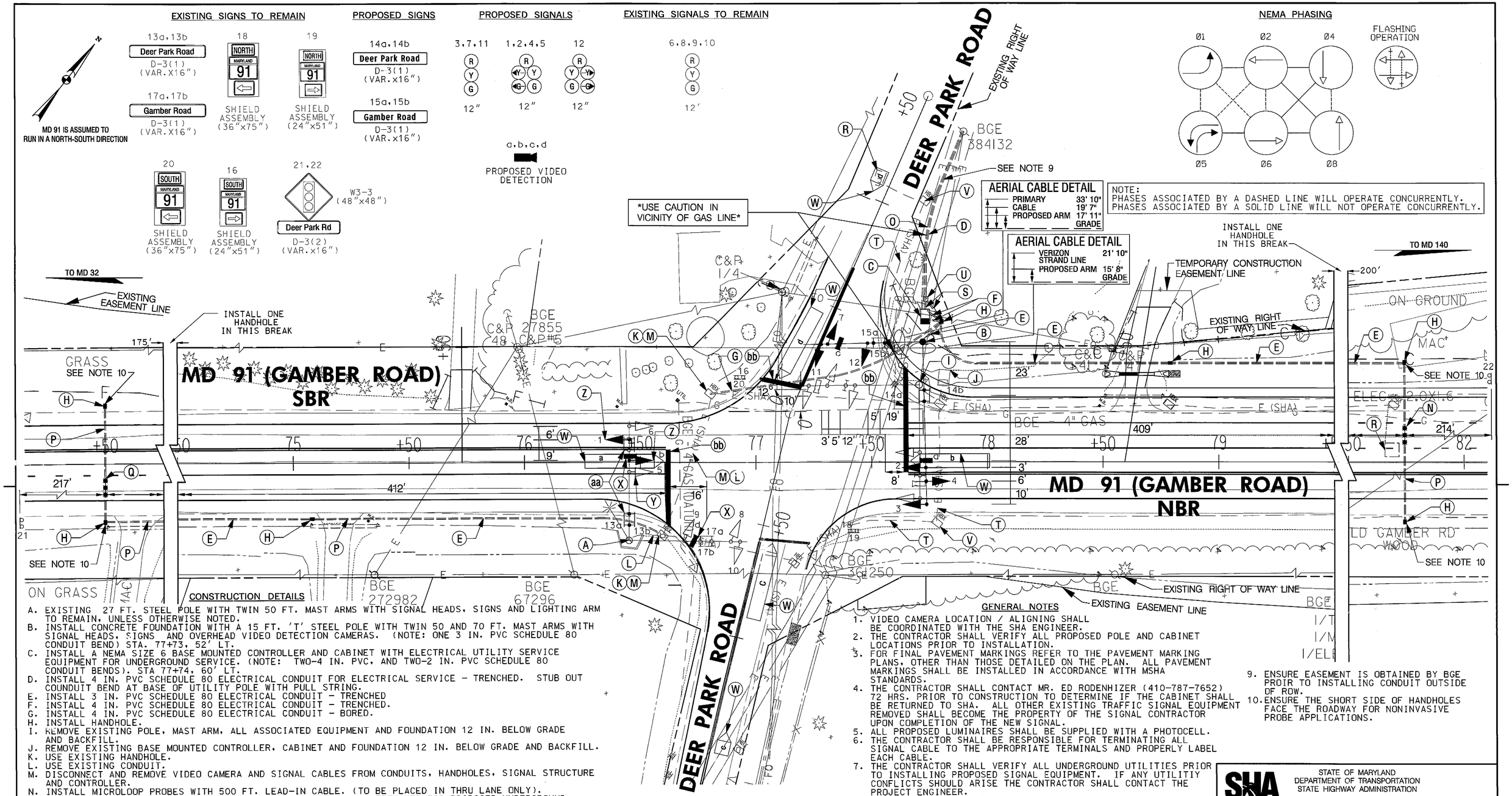

CONSTRUCTION DETAILS

A. EXISTING 27 FT. STEEL POLE WITH TWIN 50 FT. MAST ARMS WITH SIGNAL HEADS, SIGNS AND LIGHTING ARM TO REMAIN, UNLESS OTHERWISE NOTED.
B. INSTALL CONCRETE FOUNDATION WITH A 15 FT. 'T' STEEL POLE WITH TWIN 50 AND 70 FT. MAST ARMS WITH SIGNAL HEADS, SIGNS AND OVERHEAD VIDEO DETECTION CAMERAS. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 77+73, 52' LT.
C. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS). STA 77+74, 60' LT.
D. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR ELECTRICAL SERVICE - TRENCHED. STUB OUT COUNDUIT BEND AT BASE OF UTILITY POLE WITH PULL STRING.
E. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED
F. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
G. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
H. INSTALL HANDHOLE.
I. REMOVE EXISTING POLE, MAST ARM, ALL ASSOCIATED EQUIPMENT AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
J. REMOVE EXISTING BASE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
K. USE EXISTING HANDHOLE.
L. USE EXISTING CONDUIT.
M. DISCONNECT AND REMOVE VIDEO CAMERA AND SIGNAL CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURE AND CONTROLLER.
N. INSTALL MICROLOOP PROBES WITH 500 FT. LEAD-IN CABLE. (TO BE PLACED IN THRU LANE ONLY).
O. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. THE CONTRACTOR SHALL CAP, MARK AND LEAVE A ONE FOOT STUB WITH PULL STRING AT THE BASE OF UTILITY POLE FOR USE BY OTHERS.
P. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
Q. INSTALL MICROLOOP PROBES WITH 1000 FT. LEAD-IN CABLE. (TO BE PLACED IN THRU LANE ONLY).
R. ABANDON EXISTING LOOP DETECTOR.
S. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
T. ABANDON EXISTING CONDUIT.
U. INSTALL METERED SERVICE PEDESTAL. (NOTE: 3-2 IN. AND 1-4 IN. 90 DEGREE PVC SCHEDULE 80 BENDS).
V. REMOVE EXISTING HANDHOLE, FRAME AND COVER 12 INCHES BELOW GRADE AND BACKFILL.
W. VIDEO DETECTION ZONE.
X. REPLACE EXISTING VIDEO DETECTION CAMERA AND ASSOCIATED CABLE.
Y. REMOVE EXISTING VEHICULAR TRAFFIC SIGNAL HEAD.
Z. INSTALL NEW LED VIDEO VEHICULAR TRAFFIC SIGNAL HEAD.
aa. RELOCATE EXISTING SIGN ON MAST ARM.
bb. INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.

GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
4. THE CONTRACTOR SHALL CONTACT MR. ED RODENHIZER (410-787-7652) 72 HRS. PRIOR TO CONSTRUCTION TO DETERMINE IF THE CABINET SHALL BE RETURNED TO SHA. ALL OTHER EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITIY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
8. 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 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
9. ENSURE EASEMENT IS OBTAINED BY BGE PRIOR TO INSTALLING CONDUIT OUTSIDE OF ROW.
10. ENSURE THE SHORT SIDE OF HANDHOLES FACE THE ROADWAY FOR NONINVASIVE PROBE APPLICATIONS.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

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

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WBCM
ARCHITECTURE ENGINEERING CONSTRUCTION

BY: jholloway -

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

© 12/6/10
FILL TRAFFIC SIGNAL RECONSTRUCTION
SHAMCL3555176

B 5/2006
UPGRADE SIGNAL HEADS TO LED, ADD VIDEO DETECTION
SHAMDT825105

A 5/94
UPGRADE I.C.B. TO FULL SIGNAL

PLOTTED: Thursday, December 16, 2010 AT 02:30 PM
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STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 91 (GAMBER ROAD) @ DEER PARK ROAD
WIDENING AND RESURFACING

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE 03/1990 CONTRACT NO. P-933-459-385

DESIGNED BY DCD
DRAWN BY DCD
CHECKED BY
F.A.P. NO. SEE TITLE SHEET

COUNTY CARROLL
LOGMILE 08009101.46
TIMS NO. K194
TOD NO.

TS NO. 2614 C | DRAWING SG-01 OF 02 | SHEET NO. 20 OF 26