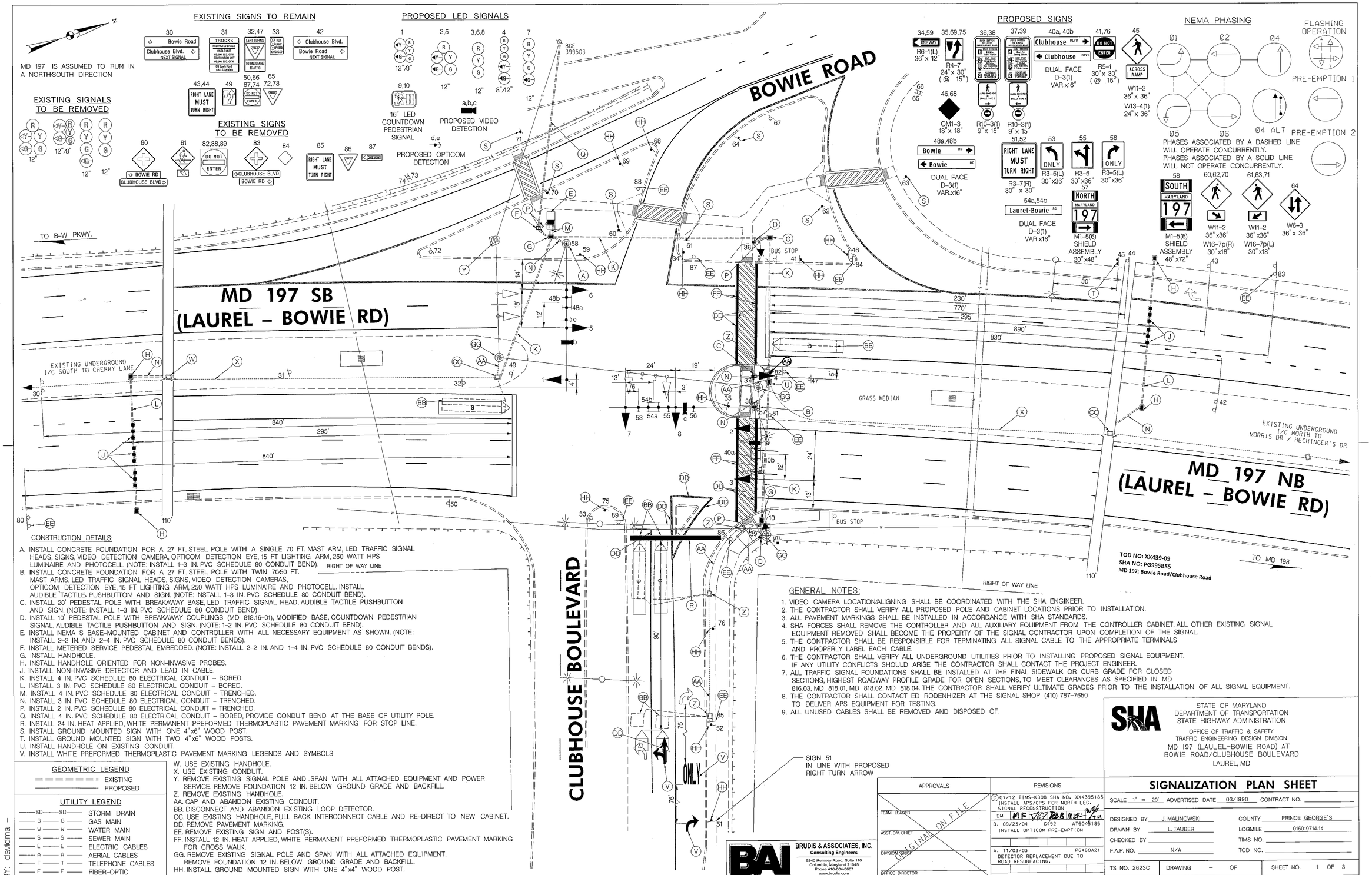

CONSTRUCTION DETAILS:

A. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH A SINGLE 70 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, OPTICOM DETECTION EYE, 15 FT LIGHTING ARM, 250 WATT HPS LUMINAIRE AND PHOTOCELL. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
B. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH TWIN 70/50 FT. MAST ARMS, LED TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, OPTICOM DETECTION EYE, 15 FT LIGHTING ARM, 250 WATT HPS LUMINAIRE AND PHOTOCELL. INSTALL AUDIBLE `TACTILE- PUSHBUTTON AND SIGN. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
C. INSTALL 20' PEDESTAL POLE WITH BREAKAWAY BASE, LED TRAFFIC SIGNAL HEAD, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
D. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD 818.16-01), MODIFIED BASE, COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: 1-2 IN. PVC SCHEDULE 80 CONDUIT BEND).
E. INSTALL NEMA S BASE-MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT AS SHOWN. (NOTE: INSTALL 2-2 IN. AND 2-4 IN. PVC SCHEDULE 80 CONDUIT BENDS).
F. INSTALL METERED SERVICE PEDESTAL EMBEDDED. (NOTE: INSTALL 2-2 IN. AND 1-4 IN. PVC SCHEDULE 80 CONDUIT BENDS).
G. INSTALL HANDHOLE.
H. INSTALL HANDHOLE ORIENTED FOR NON-INVASIVE PROBES.
J. INSTALL NON-INVASIVE DETECTOR AND LEAD IN CABLE.
K. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – BORED.
L. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – BORED.
M. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – TRENCHED.
N. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – TRENCHED.
P. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – TRENCHED.
Q. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – BORED, PROVIDE CONDUIT BEND AT THE BASE OF UTILITY POLE.
R. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
S. INSTALL GROUND MOUNTED SIGN WITH ONE 4"x6" WOOD POST.
T. INSTALL GROUND MOUNTED SIGN WITH TWO 4"x6" WOOD POSTS.
U. INSTALL HANDHOLE ON EXISTING CONDUIT.
V. INSTALL WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
W. USE EXISTING HANDHOLE.
X. USE EXISTING CONDUIT.
Y. REMOVE EXISTING SIGNAL POLE AND SPAN WITH ALL ATTACHED EQUIPMENT AND POWER SERVICE. REMOVE FOUNDATION 12 IN. BELOW GROUND GRADE AND BACKFILL.
Z. REMOVE EXISTING HANDHOLE.
AA. CAP AND ABANDON EXISTING CONDUIT.
BB. DISCONNECT AND ABANDON EXISTING LOOP DETECTOR.
CC. USE EXISTING HANDHOLE, PULL BACK INTERCONNECT CABLE AND RE-DIRECT TO NEW CABINET.
DD. REMOVE PAVEMENT MARKING.
EE. REMOVE EXISTING SIGN AND POST(S).
FF. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSS WALK.
GG. REMOVE EXISTING SIGNAL POLE AND SPAN WITH ALL ATTACHED EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GROUND GRADE AND BACKFILL.
HH. INSTALL GROUND MOUNTED SIGN WITH ONE 4"x4" WOOD POST.

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. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.
4. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. ALL OTHER EXISTING SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
6. 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.
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 818.01, 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 ED RODENHIZER AT THE SIGNAL SHOP (410) 787-7650 TO DELIVER APS EQUIPMENT FOR TESTING.
9. ALL UNUSED CABLES SHALL BE REMOVED AND DISPOSED OF.

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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APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

C 01/12 TIMS-K808 SHA NO. XX4395185 INSTALL APS/CPS FOR NORTH LEG. SIGNAL RECONSTRUCTION
DM MF RDB MLP TH
B. 09/23/04 G492 AT6045185 INSTALL OPTICOM PRE-EMPTION
A. 11/03/03 PG480A21 DETECTOR REPLACEMENT DUE TO ROAD RESURFACING.

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 197 (LAULEL-BOWIE ROAD) AT
BOWIE ROAD/CLUBHOUSE BOULEVARD
LAUREL, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 03/1990 CONTRACT NO.

DESIGNED BY J. MALINOWSKI
DRAWN BY L. TAUBER
CHECKED BY
F.A.P. NO. N/A
COUNTY PRINCE GEORGE'S
LOGMILE 016019714.14
TIMS NO.
TOD NO.

TS NO. 2623C | DRAWING – OF | SHEET NO. 1 OF 3

PLOTTED: Tuesday, Februbry 21, 2012 AT 01:27 PM
FILE: P:\09-002 TEDD\Task 59 MD 197 @ Bowie Rd\Drawings\CADD\Working\zSG-P001_MD197@CLUBHOUSE.dgn

BY: davidma