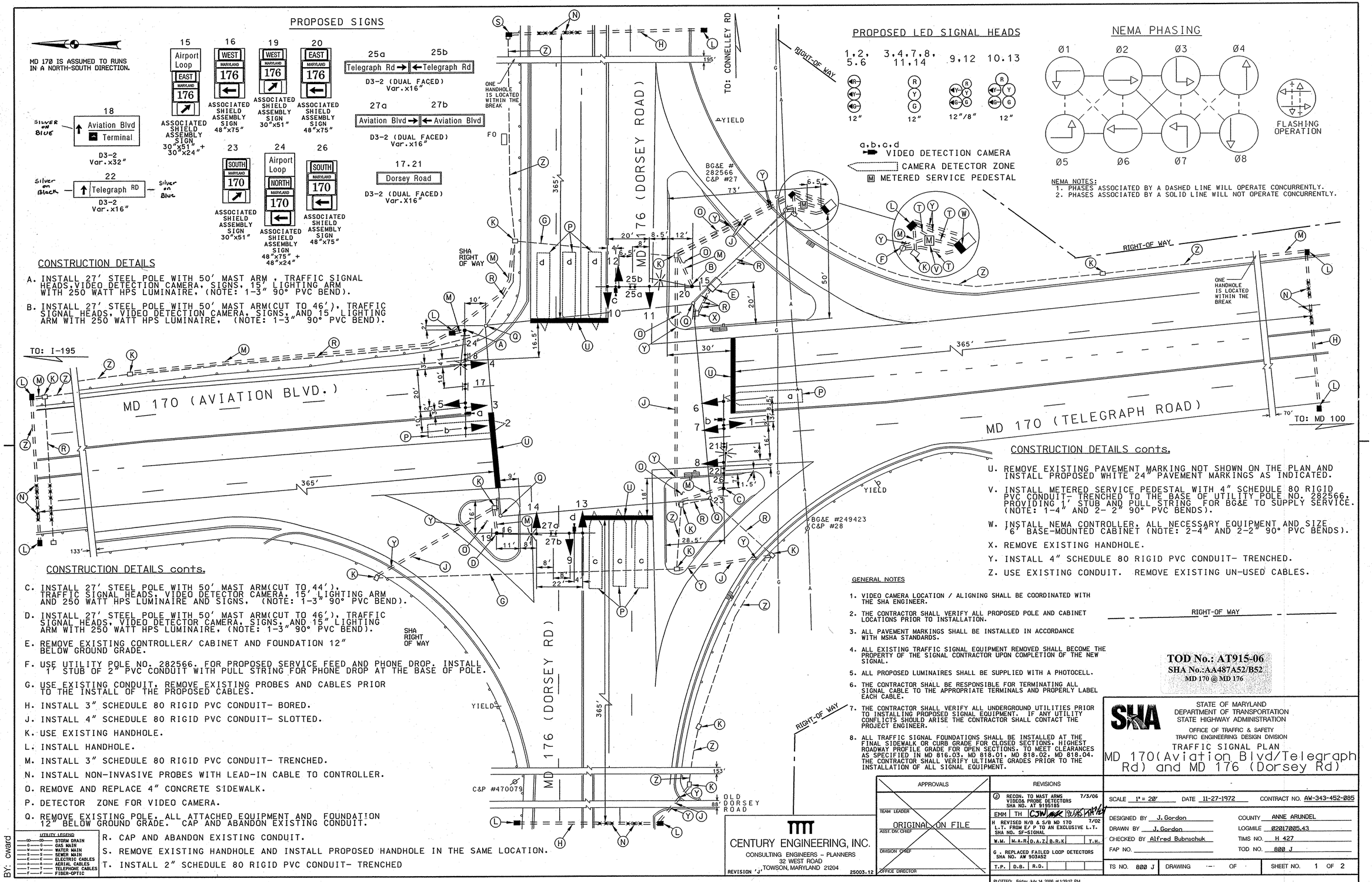

CONSTRUCTION DETAILS

A. INSTALL 27' STEEL POLE WITH 50' MAST ARM , TRAFFIC SIGNAL HEADS,VIDEO DETECTION CAMERA, SIGNS, 15' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE. (NOTE: 1-3" 90° PVC BEND).

B. INSTALL 27' STEEL POLE WITH 50' MAST ARM(CUT TO 46'), TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, SIGNS, AND 15' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE. (NOTE: 1-3" 90° PVC BEND).

CONSTRUCTION DETAILS cont.

C. INSTALL 27' STEEL POLE WITH 50' MAST ARM(CUT TO 44'), TRAFFIC SIGNAL HEADS, VIDEO DETECTOR CAMERA, 15' LIGHTING ARM AND 250 WATT HPS LUMINAIRE AND SIGNS. (NOTE: 1-3" 90° PVC BEND).

D. INSTALL 27' STEEL POLE WITH 50' MAST ARM(CUT TO 46'), TRAFFIC SIGNAL HEADS, VIDEO DETECTOR CAMERA, SIGNS, AND 15" LIGHTING ARM WITH 250 WATT HPS LUMINAIRE. (NOTE: 1-3" 90° PVC BEND).

E. REMOVE EXISTING CONTROLLER/ CABINET AND FOUNDATION 12" BELOW GROUND GRADE.

F. USE UTILITY POLE NO. 282566. FOR PROPOSED SERVICE FEED AND PHONE DROP. INSTALL 1' STUB OF 2" PVC CONDUIT WITH PULL STRING FOR PHONE DROP AT THE BASE OF POLE.

G. USE EXISTING CONDUIT. REMOVE EXISTING PROBES AND CABLES PRIOR TO THE INSTALL OF THE PROPOSED CABLES.

H. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT- BORED.

J. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT- SLOTTED.

K. USE EXISTING HANDHOLE.

L. INSTALL HANDHOLE.

M. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED.

N. INSTALL NON-INVASIVE PROBES WITH LEAD-IN CABLE TO CONTROLLER.

O. REMOVE AND REPLACE 4" CONCRETE SIDEWALK.

P. DETECTOR ZONE FOR VIDEO CAMERA.

Q. REMOVE EXISTING POLE, ALL ATTACHED EQUIPMENT AND FOUNDATION 12" BELOW GROUND GRADE. CAP AND ABANDON EXISTING CONDUIT.

R. CAP AND ABANDON EXISTING CONDUIT.

S. REMOVE EXISTING HANDHOLE AND INSTALL PROPOSED HANDHOLE IN THE SAME LOCATION.

T. INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED

CONSTRUCTION DETAILS cont.

U. REMOVE EXISTING PAVEMENT MARKING NOT SHOWN ON THE PLAN AND INSTALL PROPOSED WHITE 24" PAVEMENT MARKINGS AS INDICATED.

V. INSTALL METERED SERVICE PEDESTAL WITH 4" SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED TO THE BASE OF UTILITY POLE NO. 282566. PROVIDING 1' STUB AND PULL STRING FOR BG&E TO SUPPLY SERVICE. (NOTE: 1-4" AND 2- 2" 90° PVC BENDS).

W. INSTALL NEMA CONTROLLER, ALL NECESSARY EQUIPMENT AND SIZE 6' BASE-MOUNTED CABINET (NOTE: 2-4" AND 2-2" 90° PVC BENDS).

X. REMOVE EXISTING HANDHOLE.

Y. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED.

Z. USE EXISTING CONDUIT. REMOVE EXISTING UN-USED CABLES.

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 MSHA STANDARDS.
4. ALL 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 UTILITY 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.

RIGHT-OF WAY

TOD No.: AT915-06
SHA No.:AA487A52/B52
MD 170 @ MD 176

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

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21204
REVISION 'J' 25003.12

APPROVALS
TEAM LEADER: ORIGINAL ON FILE
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS
J RECON. TO MAST ARMS VIDEO& PROBE DETECTORS SHA NO. AT 9195185 7/3/06
ENM | TH | CJW | 10/05/06
H REVISED N/B & S/B MD 170 L.T. FROM E/ P TO AN EXCLUSIVE L.T. SHA NO. SF-SIGNAL 7/02
W.M. | M.A.R. | D.A.Z. | B.R.K. | T.H.
G. REPLACED FAILED LOOP DETECTORS SHA NO. AW 903A52
T.P. | D.B. | R.D.

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

TRAFFIC SIGNAL PLAN
MD 170(Aviation Blvd/Telegraph Rd) and MD 176 (Dorsey Rd)

SCALE 1" = 20' | DATE 11-27-1972 | CONTRACT NO. AW-343-452-085

DESIGNED BY J. Gordon | COUNTY ANNE ARUNDEL
DRAWN BY J. Gordon | LOGMILE 02017005.43
CHECKED BY Alfred Bubniehuk | TIMS NO. H 427
FAP NO. | TOD NO. 800 J

TS NO. 800 J | DRAWING -- OF | SHEET NO. 1 OF 2

PLOTTED: Friday, July 14, 2006 at 1:39:12 PM
FILE: MD170& MD176ps.dgn

BY: cward