MD 424 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS

9 — D95-25 (24"X 24") W3-3 (48"X48")

10 — SHIELD ASSEMBLY MAX.GM(48"x 87")

11 — SHIELD ASSEMBLY (48"x75")

12 — D-3(2) (VAR.X16")

CONSTRUCTION DETAILS

A. REMOVE GROUND MOUNTED SIGN AND SUPPORTS.

B. INSTALL 27' STEEL POLE WITH TWIN 70' X 50' MAST ARM, LED TRAFFIC SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERAS (NOTE: 1-4" 90° PVC BEND).

C. INSTALL 27' STEEL POLE WITH 60' MAST ARM, LED TRAFFIC SIGNAL HEADS (NOTE: 1-4" 90° PVC BEND).

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

E. INSTALL 24" WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKINGS FOR STOP LINE.

F. INSTALL ELECTRICAL HANDHOLE.

G. INSTALL A METERED SERVICE PEDESTAL WITH 1-4" AND 2-2" 90° PVC BENDS.

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

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

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

L. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT- BORED

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

N. INSTALL NON-INVASIVE DETECTOR WITH 1000' LEAD-IN CABLE.

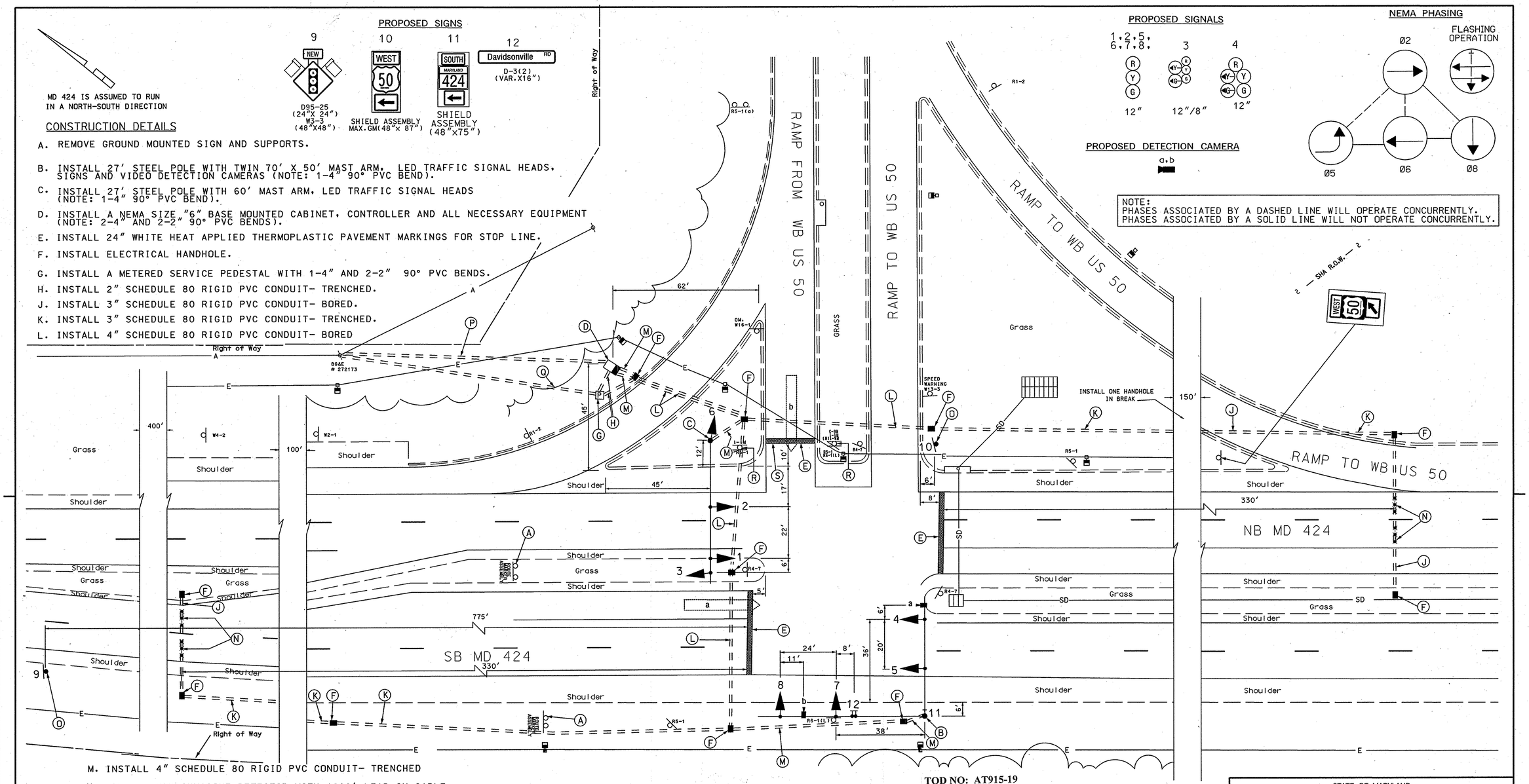
O. INSTALL GROUND MOUNTED SIGN ON 4" X 6" WOOD SUPPORT.

P. INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT- BORED. PROVIDE A 1' STUB WITH PULL STRING AT THE BASE OF UTILITY POLE NO. BGE 272173 FOR INSTALLATION OF THE PHONE DROP.

Q. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT- BORED. PROVIDE A 1' STUB WITH PULL STRING AT THE BASE OF UTILITY POLE NO. BGE 272173 FOR THE INSTALLATION OF THE SERVICE FEED.

R. REMOVE EXISTING STOP SIGN FROM THE WOOD SUPPORT AFTER SIGNAL IS IN OPERATION. ADJUST THE HEIGHT OF THE REMAINING SIGNS.

S. REMOVE EXISTING PAVEMENT MARKINGS.



PROPOSED SIGNALS

1,2,5, 6,7,8 — 12"

3 — 12"/8"

4 — 12"

PROPOSED DETECTION CAMERA

a,b

NEMA PHASING

Ø2, Ø5, Ø6, Ø8

FLASHING OPERATION

NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

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 UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "MISS UTILITY" PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL MAY OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
4. 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.

TOD NO: AT915-19
SHA No.: AA487A53/C53
MD 424 @ US 50 EB and WB ramps

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

BY: SHOLLIE1

CENTURY ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031
Phone: (410) 823-8070 Fax: (410) 823-2184

APPROVALS	REVISIONS
TEAM LEADER 1/31/2007	
ASST. DIV. CHIEF	
DIVISION CHIEF 2/1/07	
OFFICE DIRECTOR 2/1/07	

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

MD 424 (DAVIDSONVILLE ROAD) AT WB RAMP OF US 50

DAVIDSONVILLE, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 1/22/2007 CONTRACT NO. AT9155185

DESIGNED BY H.O. COUNTY ANNE ARUNDEL
DRAWN BY H.O. LOGMILE 02042403.44
CHECKED BY T.M.H. T.I.M.S. NO. G932
F.A.P. NO. TOD NO.

TS NO. 4539 DRAWING 1 OF 2 SHEET NO. 3 OF 4

PLOTTED: WEDNESDAY, JANUARY 31, 2007 AT 11:39:05 AM
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