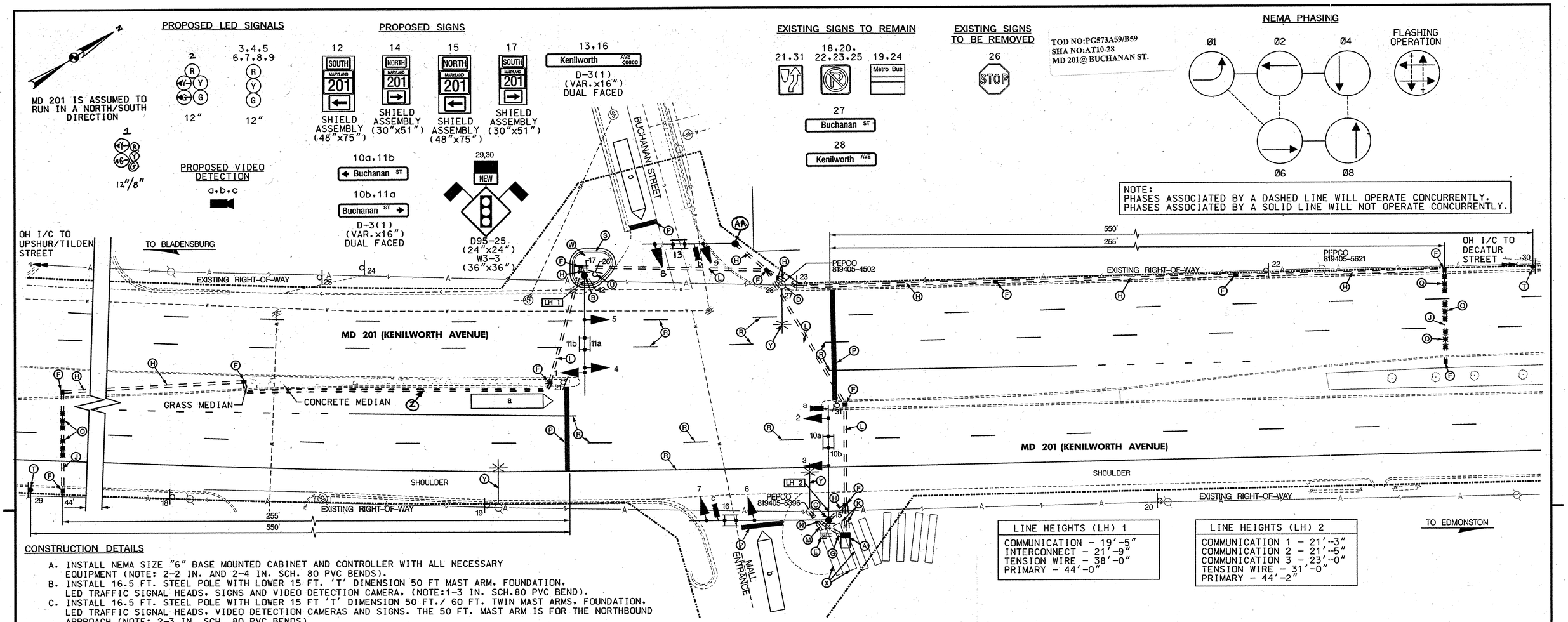

LINE HEIGHTS (LH) 1
COMMUNICATION - 19'-5"
INTERCONNECT - 21'-9"
TENSION WIRE - 38'-0"
PRIMARY - 44'-0"

LINE HEIGHTS (LH) 2
COMMUNICATION 1 - 21'-3"
COMMUNICATION 2 - 21'-5"
COMMUNICATION 3 - 23'-0"
TENSION WIRE - 31'-0"
PRIMARY - 44'-2"

CONSTRUCTION DETAILS

A. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 2-2 IN. AND 2-4 IN. SCH. 80 PVC BENDS).
B. INSTALL 16.5 FT. STEEL POLE WITH LOWER 15 FT. 'T' DIMENSION 50 FT MAST ARM, FOUNDATION, LED TRAFFIC SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERA, (NOTE:1-3 IN. SCH.80 PVC BEND).
C. INSTALL 16.5 FT. STEEL POLE WITH LOWER 15 FT 'T' DIMENSION 50 FT./ 60 FT. TWIN MAST ARMS, FOUNDATION, LED TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERAS AND SIGNS. THE 50 FT. MAST ARM IS FOR THE NORTHBOUND APPROACH (NOTE: 2-3 IN. SCH. 80 PVC BENDS).
D. INSTALL 3 IN. ELECTRICAL CONDUIT - PVC RISER ON EXISTING UTILITY POLE FOR PROPOSED INTERCONNECT.
E. INSTALL METERED SERVICE PEDESTAL (NOTE:' 1-2 IN. AND 1-3 IN. SCH. 80 PVC BENDS).
F. INSTALL ELECTRICAL HANDHOLE.
G. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
H. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
J. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED).
K. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
L. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED).
M. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED POWER SERVICE. THE CONTRACTOR SHALL CAP, MARK, AND LEAVE A 1 FT. STUB WITH PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.
N. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED PHONE DROP. THE CONTRACTOR SHALL CAP, MARK, AND LEAVE A 1 FT. STUB WITH PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.
P. INSTALL 24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
Q. INSTALL NON-INVASIVE MICROLOOP PROBES.
R. REMOVE EXISTING PAVEMENT MARKINGS BEYOND STOP LINE.
S. INSTALL STANDARD TYPE A COMBINATION CURB AND GUTTER (STANDARD NO. MD 620.02).
T. INSTALL GROUND MOUNTED SIGN AS SHOWN ON PLAN ON ONE 4 IN. X 6 IN. WOOD SIGN POST. (NOTE: SHA FORCES WILL REMOVE FLAGS AND D95-25 (NEW) SIGN FROM SIGNS 29 AND 30 THREE MONTHS AFTER INSTALLATION.)
U. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT.
W. INSTALL 5 IN. CONCRETE SIDEWALK. (SEE NOTE 6).
X. REMOVE EXISTING CONCRETE PADS FROM WITHIN THE STATE RIGHT-OF-WAY.
Y. PROPOSED LEASED LIGHTING TO BE INSTALLED BY OTHERS.
Z. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (SLOTTED).

AA. INSTALL 16.5 FT. STEEL POLE WITH 15 FT. 'T' DIMENSION 38 FT MAST ARM, FOUNDATION, LED TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA (NOTE: 1-3 IN. SCH 80 PVC BEND).

GENERAL NOTES

1. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD PLATES FOR TRAFFIC CONTROL.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE. THE SHA SIGNAL SHOP SHALL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
4. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
5. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
6. THE CONTRACTOR SHALL INSTALL SIDEWALK WITH A DEPTH OF 5 INCHES THE 4 INCH CONCRETE SIDEWALK QUANTITY HAS BEEN INCREASED BY A FACTOR OF 1.25 TO ACCOUNT FOR THE ADDED DEPTH.
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. SEE GENERAL INFORMATION SHEET FOR PROPOSED SIGNAL POLE, TRAFFIC SIGNAL HEAD, OVERHEAD SIGN LAYOUT AND CURB & GUTTER LAYOUT.

UTILITY LEGEND

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

RJM ENGINEERING, INC.
CONSULTING ENGINEERS
COLUMBIA, MARYLAND

APPROVALS	
TEAM LEADER	2/21/2008
ASST. DIV. CHIEF	2/21/08
DIVISION CHIEF	2/26/08
OFFICE DIRECTOR	2/26

REVISIONS

PLOTTED: $DATETIME$
FILE: $FILE$

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

MD 201 (KENILWORTH AVENUE) AT BUCHANAN STREET

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20'	DATE 02/2008	CONTRACT NO. AT9105185	
DESIGNED BY P. WESTCOTT		COUNTY PRINCE GEORGES	
DRAWN BY P. WESTCOTT		LOGMILE 16020102.67	
CHECKED BY B.BIDDLE CSW		TIMS NO. 1009	
FAP NO. N/A		TOD NO. N/A	
TS NO. 4603	DRAWING SG-01 OF 04	SHEET NO. 1 OF 4	

BY: $USERNAME$