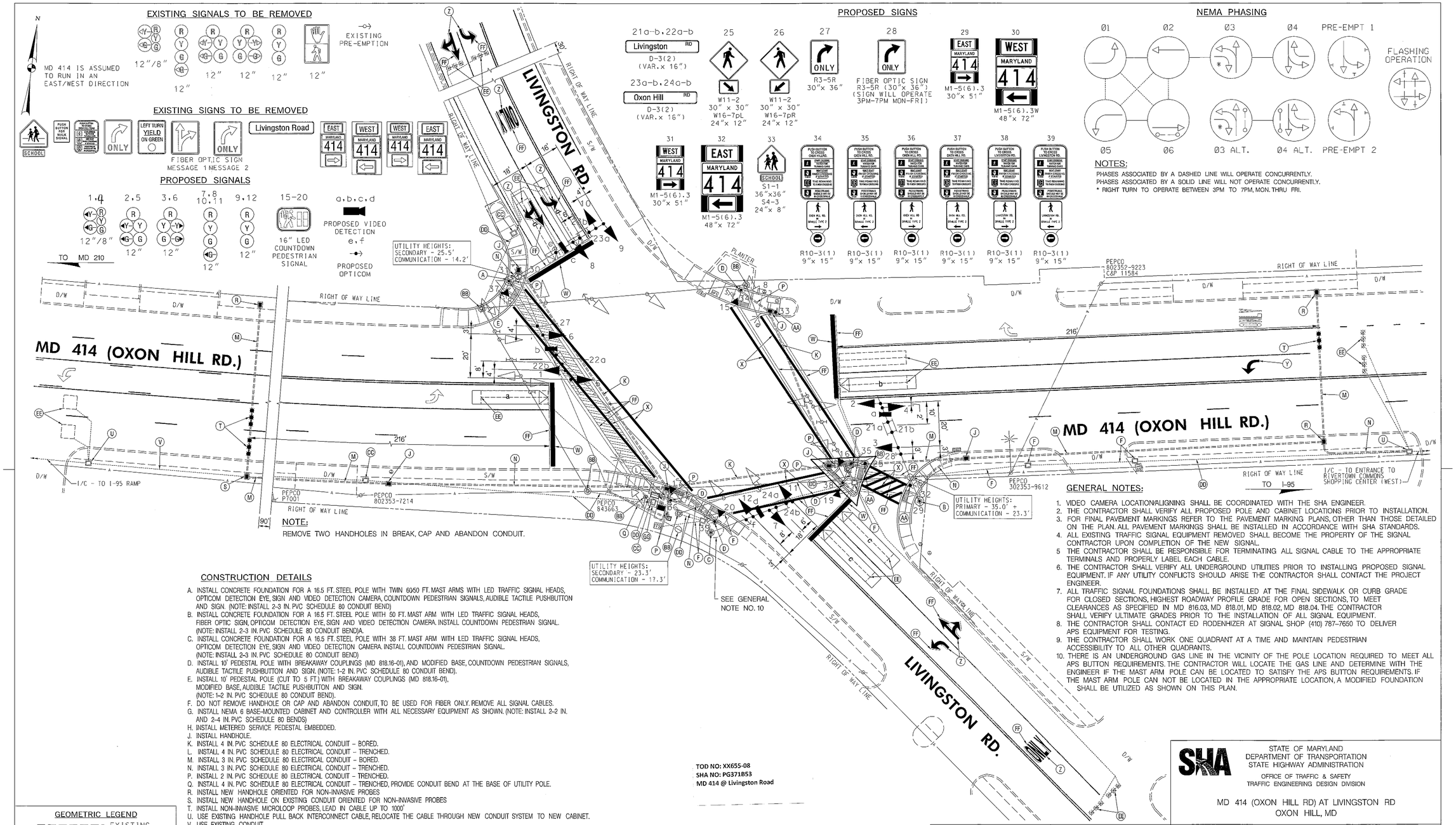

NOTES:

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
* RIGHT TURN TO OPERATE BETWEEN 3PM TO 7PM, MON. THRU FRI.

NOTE:

REMOVE TWO HANDHOLES IN BREAK, CAP AND ABANDON CONDUIT.

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 SHA STANDARDS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW 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 SIGNAL SHOP (410) 787-7650 TO DELIVER APS EQUIPMENT FOR TESTING.
9. THE CONTRACTOR SHALL WORK ONE QUADRANT AT A TIME AND MAINTAIN PEDESTRIAN ACCESSIBILITY TO ALL OTHER QUADRANTS.
10. THERE IS AN UNDERGROUND GAS LINE IN THE VICINITY OF THE POLE LOCATION REQUIRED TO MEET ALL APS BUTTON REQUIREMENTS. THE CONTRACTOR WILL LOCATE THE GAS LINE AND DETERMINE WITH THE ENGINEER IF THE MAST ARM POLE CAN BE LOCATED TO SATISFY THE APS BUTTON REQUIREMENTS. IF THE MAST ARM POLE CAN NOT BE LOCATED IN THE APPROPRIATE LOCATION, A MODIFIED FOUNDATION SHALL BE UTILIZED AS SHOWN ON THIS PLAN.

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH TWIN 60/50 FT. MAST ARMS WITH LED TRAFFIC SIGNAL HEADS, OPTICOM DETECTION EYE, SIGN AND VIDEO DETECTION CAMERA, COUNTDOWN PEDESTRIAN SIGNALS, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: INSTALL 2-3 IN. PVC SCHEDULE 80 CONDUIT BEND)
B. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH 50 FT. MAST ARM WITH LED TRAFFIC SIGNAL HEADS, FIBER OPTIC SIGN, OPTICOM DETECTION EYE, SIGN AND VIDEO DETECTION CAMERA. INSTALL COUNTDOWN PEDESTRIAN SIGNAL. (NOTE: INSTALL 2-3 IN. PVC SCHEDULE 80 CONDUIT BEND)A.
C. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH 38 FT. MAST ARM WITH LED TRAFFIC SIGNAL HEADS, OPTICOM DETECTION EYE, SIGN AND VIDEO DETECTION CAMERA. INSTALL COUNTDOWN PEDESTRIAN SIGNAL. (NOTE: INSTALL 2-3 IN. PVC SCHEDULE 80 CONDUIT BEND)
D. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD 818.16-01), AND MODIFIED BASE, COUNTDOWN PEDESTRIAN SIGNALS, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: 1-2 IN. PVC SCHEDULE 80 CONDUIT BEND).
E. INSTALL 10' PEDESTAL POLE (CUT TO 5 FT.) WITH BREAKAWAY COUPLINGS (MD 818.16-01), MODIFIED BASE, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: 1-2 IN. PVC SCHEDULE 80 CONDUIT BEND).
F. DO NOT REMOVE HANDHOLE OR CAP AND ABANDON CONDUIT, TO BE USED FOR FIBER ONLY. REMOVE ALL SIGNAL CABLES.
G. INSTALL NEMA 6 BASE-MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT AS SHOWN. (NOTE: INSTALL 2-2 IN. AND 2-4 IN. PVC SCHEDULE 80 BENDS)
H. INSTALL METERED SERVICE PEDESTAL EMBEDDED.
J. INSTALL HANDHOLE.
K. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
L. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
M. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
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 - TRENCHED, PROVIDE CONDUIT BEND AT THE BASE OF UTILITY POLE.
R. INSTALL NEW HANDHOLE ORIENTED FOR NON-INVASIVE PROBES
S. INSTALL NEW HANDHOLE ON EXISTING CONDUIT ORIENTED FOR NON-INVASIVE PROBES
T. INSTALL NON-INVASIVE MICROLOOP PROBES, LEAD IN CABLE UP TO 1000'
U. USE EXISTING HANDHOLE PULL BACK INTERCONNECT CABLE, RELOCATE THE CABLE THROUGH NEW CONDUIT SYSTEM TO NEW CABINET.
V. USE EXISTING CONDUIT.
W. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
X. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSS WALK.
Y. INSTALL HEAT APPLIED, WHITE PERMANENT THERMOPLASTIC PAVEMENT MARKING ARROW.
Z. INSTALL PAVEMENT MARKING SYMBOLS/LEGENDS.
AA. INSTALL GROUND MOUNTED SIGN ON 4 IN.X 4 IN. WOOD SUPPORT.
BB. REMOVE EXISTING SIGNAL POLE AND SPAN WITH ALL ATTACHED EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GROUND GRADE AND BACKFILL.
CC. REMOVE EXISTING HANDHOLE.
DD. CAP AND ABANDON EXISTING CONDUIT.
EE. DISCONNECT AND ABANDON EXISTING DETECTOR.
FF. REMOVE EXISTING PAVEMENT MARKING, SYMBOL/LEGEND.
GG. REMOVE EXISTING SIGNAL CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

TOD NO: XX655-08
SHA NO: PG371B53
MD 414 @ Livingston Road

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: chuck -

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

REVISIONS
(H) 7/11 TINS NO. J982 SHA NO. XX6555185 RECONSTRUCT TRAFFIC SIGNAL, UPGRADE TO APS/CPS, AND ADA HANDICAP RAMPS
XM RDB MA F.H.
C 09/07 SHA NO. BW 956MB2 MODIFY TRAFFIC SIGNAL DUE TO CHANGE IN LANE CONFIGURATION
LTC/MA CJW
F 06/03 INSTALL FIBER OPTIC LANE CONTROL SIGN F204 SHA NO. AT885185
JES

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

MD 414 (OXON HILL RD) AT LIVINGSTON RD
OXON HILL, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' DATE 2/13/75 CONTRACT NO. PG484A89B59
DESIGNED BY D. DODA/J. GORDON COUNTY PRINCE GEORGE'S
DRAWN BY LOGMILE 16041400.95
CHECKED BY J. GORDON TIMS NO.
F.A.P. NO. TOD NO.

TS NO. 993H | DRAWING - OF | SHEET NO. 1 OF 3

PLOTTED: Friday, July 15, 2011 AT 02:03 PM
FILE: P:\09-002 TEDD\Task 38 MD 414 @ Livingston Road\Drawings\CADD\Working\pSG-P001_MD414@LivingstonRd.dgn