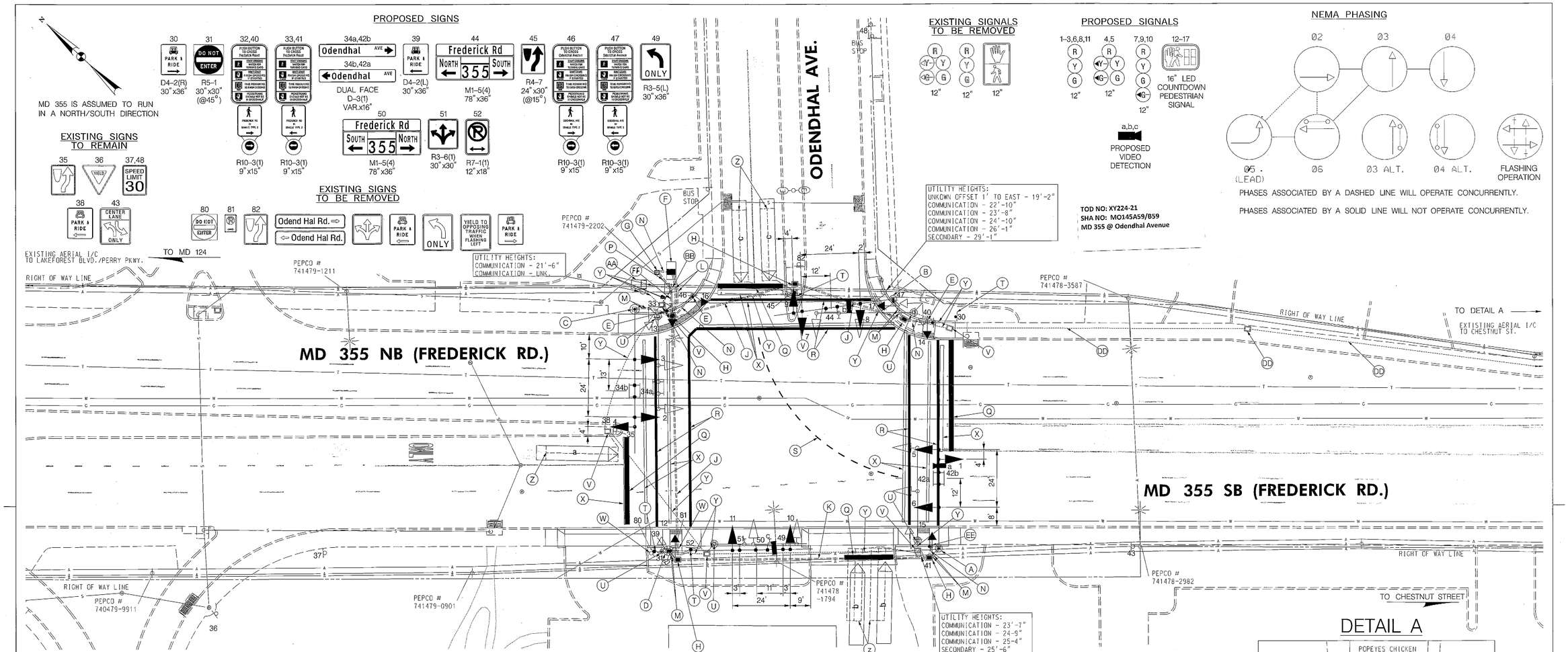

CONSTRUCTION DETAILS:

A. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH A SINGLE 50 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, COUNTDOWN PEDESTRIAN SIGNAL, SIGN AND VIDEO DETECTION CAMERA. (NOTE: INSTALL 2-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
B. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH A SINGLE 50 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, SIGN AND VIDEO DETECTION CAMERA. INSTALL COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: INSTALL 2-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
C. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH A SINGLE 60 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS AND SIGN. NOTE: INSTALL 2-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
D. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH A SINGLE 60 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERA. INSTALL COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: INSTALL 2-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
E. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY COUPLINGS, MODIFIED BASE (MD 801.01-01), COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: 1-2 IN. PVC SCHEDULE 80 CONDUIT BEND).
F. 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).
G. INSTALL METERED SERVICE PEDESTAL EMBEDDED. (NOTE: INSTALL 1-2 IN. AND 1-4 IN. PVC SCHEDULE 80 CONDUIT BENDS).
H. INSTALL HANDHOLE.
J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – SLOTTED.
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 – TRENCHED.
N. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – TRENCHED.
P. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – TRENCHED, PROVIDE CONDUIT BEND AT THE BASE OF UTILITY POLE.
Q. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP BAR.
R. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSS WALK.
S. INSTALL 5 IN. HEAT APPLIED WHITE PERMANENT PAVEMENT MARKINGS, 3'-3' SKIP.
T. INSTALL GROUND MOUNTED SIGN ON ONE 4"x4" WOOD POST.
U. REMOVE EXISTING SIGNAL POLE WITH ALL ATTACHED EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GROUND GRADE AND BACKFILL.
V. REMOVE EXISTING HANDHOLE.
W. REMOVE EXISTING GROUND MOUNTED SIGN AND POST.
X. REMOVE EXISTING PAVEMENT MARKING.
Y. CAP AND ABANDON EXISTING CONDUIT.
Z. DISCONNECT AND ABANDON EXISTING LOOP DETECTOR.
AA. REMOVE EXISTING SIGNAL CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. POWER SERVICE TO BE REMOVED BY OTHERS.
BB. USE EXISTING SPLICE BOX AND RUN NEW INTERCONNECT CABLE TO THE NEW CABINET.
CC. REMOVE EXISTING COUNT STATION, POWER SERVICE TO BE REMOVED BY OTHERS. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
DD. ABANDON HANDHOLE AND CONDUIT SYSTEM FROM ODENHAL AVE. TO CHESTNUT ST.
EE. INSTALL 10' PEDESTAL POLE (CUT TO 5') WITH BREAKAWAY COUPLINGS, MODIFIED BASE (MD 801.01-01), AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: 1-2 IN. PVC SCHEDULE 80 CONDUIT BEND).
FF. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED, PROVIDE CONDUIT BEND AT THE BASE OF UTILITY POLE AND CONNECT TO EXISTING RISER.

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. ALL UNUSED SIGNAL CABLES SHALL BE REMOVED AND DISPOSED OF.
5. MONTGOMERY COUNTY FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET, ALL OTHER EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
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.
9. THE CONTRACTOR SHALL DELIVER APS PUSHBUTTON AND CENTRAL CONTROL UNIT TO MR. ROBERT RICKETTS AT THE MONTGOMERY COUNTY TECHNICAL CENTER AT 1283 SEVEN LOCKS RD ROCKVILLE, MD 20854 AT LEAST 3 WEEKS PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL HAVE APS MESSAGES PROGRAMMED FROM THE FACTORY AND DELIVER THE APS .WAV FILES TO MR. ROBERT RICKETTS.
10. THE CONTRACTOR SHALL CONTACT MR. ROBERT RICKETTS AT (301) 279-1291 TO DELIVER APS EQUIPMENT FOR TESTING.
11. THE CONTRACTOR SHALL WORK ONE QUADRANT AT A TIME AND MAINTAIN PEDESTRIAN ACCESSIBILITY TO ALL OTHER QUADRANTS

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: davidma –

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

REVISIONS
© 09/12 TIMS-L022 SHA NO. XY2245185 SIGNAL RECONSTRUCTION AND CONSTRUCTION OF PEDESTRIAN RAMPS.
DM MF TV MF RECEIVED MB 23 CJW 9/24
B 12-20-85 INSTALL MAST ARM & POLE SIGNAL HEADS SHA # 855-25006
JJD TH
A 9-7-78 REVISED PHASING (MADE LEFT TURN A LAG)
GEC

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

MD 355 (FREDERICK ROAD) AT ODENDHAL AVENUE
GAITHERSBURG, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 9-30-77 CONTRACT NO. M-246-501-385

DESIGNED BY RBA — COUNTY MONTGOMERY
DRAWN BY RBA — LOGMILE 15035515.03
CHECKED BY HJA — TIMS NO.
F.A.P. NO. — TOD NO.

TS NO. 486C — DRAWING SG –1 — OF 2 — SHEET NO. 1 OF 3

PLOTTED: Friday, September 07, 2012 AT 02:05 PM
FILE: P:\09-002 TEDD\Task 71 MD 355 @ Odenhal Rd\Drawings\CADD\Working\pSG-P001_M355@Odendhal.dgn