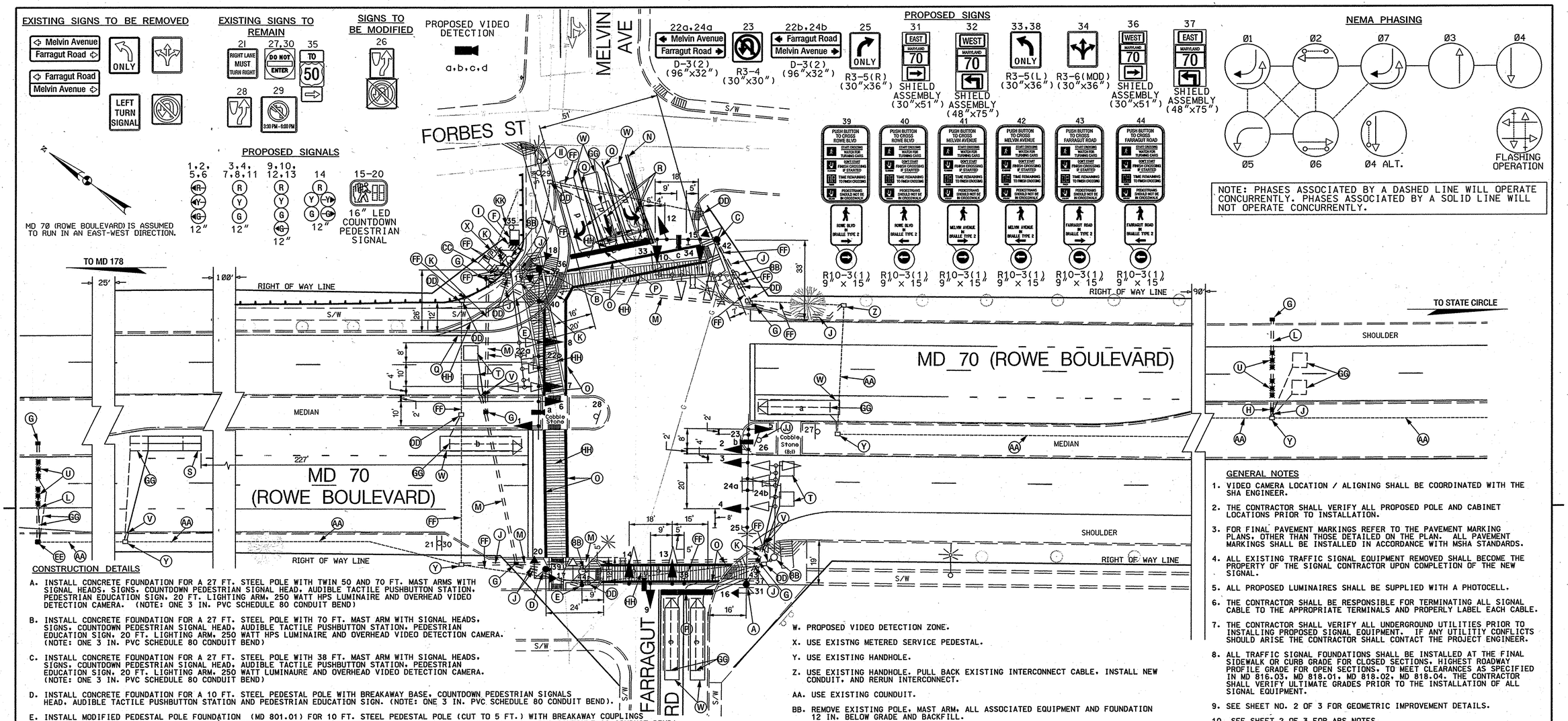

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH TWIN 50 AND 70 FT. MAST ARMS WITH SIGNAL HEADS, SIGNS, COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE TACTILE PUSHBUTTON STATION, PEDESTRIAN EDUCATION SIGN, 20 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND)

B. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH 70 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE TACTILE PUSHBUTTON STATION, PEDESTRIAN EDUCATION SIGN, 20 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND)

C. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH 38 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE TACTILE PUSHBUTTON STATION, PEDESTRIAN EDUCATION SIGN, 20 FT. LIGHTING ARM, 250 WATT LUMINAURE AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND)

D. INSTALL CONCRETE FOUNDATION FOR A 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, COUNTDOWN PEDESTRIAN SIGNALS HEAD, AUDIBLE TACTILE PUSHBUTTON STATION AND PEDESTRIAN EDUCATION SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).

E. INSTALL MODIFIED PEDESTAL POLE FOUNDATION (MD 801.01) FOR 10 FT. STEEL PEDESTAL POLE (CUT TO 5 FT.) WITH BREAKAWAY COUPLINGS (MD 818.16-01) AND AUDIBLE TACTILE PUSHBUTTON STATION WITH PEDESTRIAN EDUCATION SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).

F. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO-4 IN. PLUS TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).

G. INSTALL HANDHOLE.

H. INSTALL HANDHOLE (PERPENDICULAR TO TRAVEL WAY) FOR NON-INVASIVE MICROLOOP.

I. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

J. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

K. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

L. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.

M. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.

N. INSTALL 5 IN. HEAT APPLIED, DOUBLE SOLID YELLOW PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR LANE LINE.

O. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.

P. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOPLINE.

Q. INSTALL 5 IN. HEAT APPLIED, SOLID WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR LANE LINE.

R. INSTALL ONE HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT ARROW.

S. INSTALL 6'X20' LOOP DETECTOR.

T. INSTALL 6'X6' LOOP DETECTOR.

U. INSTALL NON-INVASIVE MICROLOOP (TO BE PLACED IN THRU LANE ONLY).

V. INSTALL 1" DETECTOR SLEEVE FLEXIBLE LIQUID TIGHT.

W. PROPOSED VIDEO DETECTION ZONE.

X. USE EXISTNG METERED SERVICE PEDESTAL.

Y. USE EXISTING HANDHOLE.

Z. USE EXISTING HANDHOLE. PULL BACK EXISTING INTERCONNECT CABLE. INSTALL NEW CONDUIT. AND RERUN INTERCONNECT.

AA. USE EXISTING COUNDUIT.

BB. REMOVE EXISTING POLE, MAST ARM, ALL ASSOCIATED EQUIPMENT AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

CC. REMOVE EXISTING BASE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

DD. REMOVE EXISTING HANDHOLE.

EE. REMOVE EXISTING HANDHOLE AND REPLACE WITH NEW HANDHOLE PERPENDICULAR TO TRAVEL WAY FOR NON-INVASIVE MICROLOOP.

FF. CAP AND ABANDON EXISTING CONDUIT.

GG. DISCONNECT AND REMOVE DETECTOR CABLES FROM CONDUIT.

HH. REMOVE EXISTING PAVEMENT MARKINGS.

II. REMOVE AND RESET EXISTING GROUND MOUNTED SIGN POLE.

JJ. REMOVE EXISTING SIGN R3-4 (NO U TURN SYMBOL) FROM EXISTING GROUND MOUNTED SIGN POST, EXISTING SIGN R4-7 (KEEP RIGHT SYMBOL) TO REMAIN ON THE EXISTING GROUND MOUNTED SIGN POST.

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 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 UTILITIY 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. SEE SHEET NO. 2 OF 3 FOR GEOMETRIC IMPROVEMENT DETAILS.
10. SEE SHEET 2 OF 3 FOR APS NOTES.

TOD No. XX447-01
SHA No. AA756A51/B51

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: HOGALLO

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

REVISIONS	
L	RECONSTRUCT THE EXISTING TRAFFIC SIGNAL, APS, CPS AND ADA RAMPS S.H.A. NO: XX447515B5 — BAI H.O. 12221 — 05/2008
K	MODIFY EXISTING TRAFFIC SIGNAL POWER FEED TO METERED SERVICE S.H.A. NO: AT9365185 — 04/2007
J	AS BUILT — 09/2004

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

MD 70 (ROWE BOULEVARD) AT MELVIN AVENUE / FARRAGUT ROAD

SCALE 1" = 20'	DATE FEB.12.1975	CONTRACT NO. AA-071X-000-585	
DESIGNED BY D. DODA		COUNTY ANNE ARUNDEL	
DRAWN BY D. ZAFIRIS		LOGMILE 02007000.98	
CHECKED BY A. BUDNICHAOK		T.I.M.S. NO. 1447	
F.A.P. NO. N/A		TOD NO. N/A	
DRAWING NO. TS-1198L		SHEET NO. 1 OF 3	

PLOTTED: WEDNESDAY, MAY 21, 2008 AT 11:25:50 AM
FILE: PSC-E000_MD70.DGN