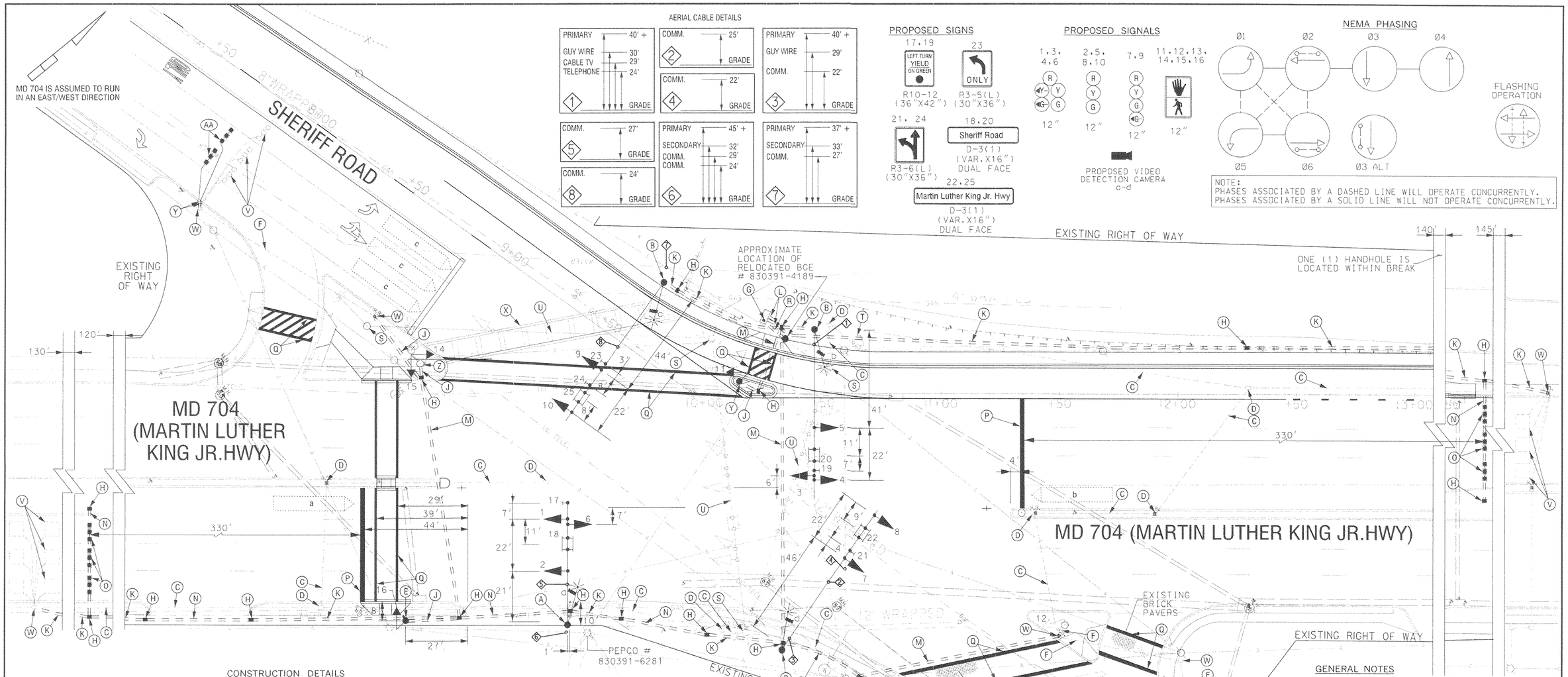

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 60 FT. MAST ARM, SIGNAL HEADS, SIGNS, PROPOSED VIDEO DETECTION CAMERA, 250 WATT HPS LUMINAIRE WITH PHOTOCELL AND 15 FT. LIGHTING ARM. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND). NOTE: CONTRACTOR TO USE EXTREME CAUTION WHEN DIGGING THE FOUNDATION DUE TO IT'S PROXIMITY OF THE 24 IN. WATER LINE.
B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 70 FT. MAST ARM, SIGNAL HEADS, SIGNS, PROPOSED VIDEO DETECTION CAMERA, 250 WATT HPS LUMINAIRE WITH PHOTOCELL AND 15 FT. LIGHTING ARM. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 10+33 RT. 108 FT., STA. 10+46 LT. 27 FT., STA. 9+56 LT. 31 FT.
C. CAP AND ABANDON EXISTING CONDUIT
D. REMOVE EXISTING HANDHOLE
E. INSTALL CONCRETE FOUNDATION WITH A 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN. (NOTE: ONE-2 IN. PVC SCHEDULE 80 CONDUIT BEND).
F. USE EXISTING CONDUIT.
G. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO-4 IN. PVC, ONE-3 IN. AND ONE-2 IN. PVC SCHEDULE 80 CONDUIT BENDS). STA. 10+26 LT. 27 FT.
H. INSTALL HANDHOLE.
J. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
K. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
L. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
M. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
N. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
O. INSTALL NON-INVASIVE PROBES WITH 500 FT. LEAD-IN CABLE. (TO BE PLACED IN THRU LANE ONLY).
P. INSTALL 24 IN. WHITE, HEAT APPLIED, REFLECTIVE, THERMOPLASTIC PAVEMENT MARKING TAPE FOR STOP LINE.
Q. INSTALL 12 IN. WHITE, HEAT APPLIED, REFLECTIVE, THERMOPLASTIC PAVEMENT MARKING TAPE FOR CROSSWALK.
R. INSTALL ONE-3 IN. PVC SCHEDULE 80 CONDUIT FOR POWER FEED AND ONE-2 IN. SCHEDULE 80 CONDUIT FOR TELEPHONE DROP TO BOTTOM OF UTILITY POLE. STUB UP CONDUITS AT BASE OF UTILITY POLE.
S. REMOVE EXISTING SIGNAL POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
T. REMOVE EXISTING SIGNAL CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
U. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.
V. ABANDON EXISTING DETECTORS.
W. USE EXISTING HANDHOLE.
X. REMOVE EXISTING CROSSWALK.
Y. INSTALL 1 IN. LIQUID TIGHT, FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE) SCHEDULE 80 CONDUIT BEND AND FOUR-1 IN. X 40 IN. ANCHOR BOLTS). STA. 10+15 LT. 5 FT.
Z. REPLACE EXISTING PEDESTRIAN SIGNAL HEAD WITH NEW PEDESTRIAN SIGNAL HEAD.
AA. INSTALL MICRO-LOOP SET WITH 500 FT. LEAD-IN CABLE. (TO BE PLACED IN THRU LANES ONLY).

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 PROJECT PAVEMENT MARKING PLANS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. UTILITY POLES ARE TO BE REMOVED AND/OR RELOCATED BY OTHERS (SEE RELOCATION PLANS)
6. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT; IF ANY UTILITY CONFLICTS ARE IDENTIFIED, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
7. ALL EQUIPMENT SHALL BE INSTALLED TO IT'S FINAL GRADE.

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

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REVISIONS

(A) SHA NO. P408001385 09/26/78
REVISED SIDE STREET DETECTORS

(B) SHA NO. PG4005176 10/02
RECONSTRUCTION OF SIGNAL EQUIPMENT

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN

MD 704 (MARTIN LUTHER KING JR. HIGHWAY)
AND SHERIFF ROAD

DRAWN BY: J. SPENCE	F.A.P. NO. M-502512	TS NO. 96B	SHEET NO.
CHECKED BY:	S.H.A. NO. P-408-001-385		
SCALE: 1" = 20'	COUNTY: PRINCE GEORGES	T.M.S. NO. F465	11 OF 16
DATE:	LOG MILE: 16070401.51		

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