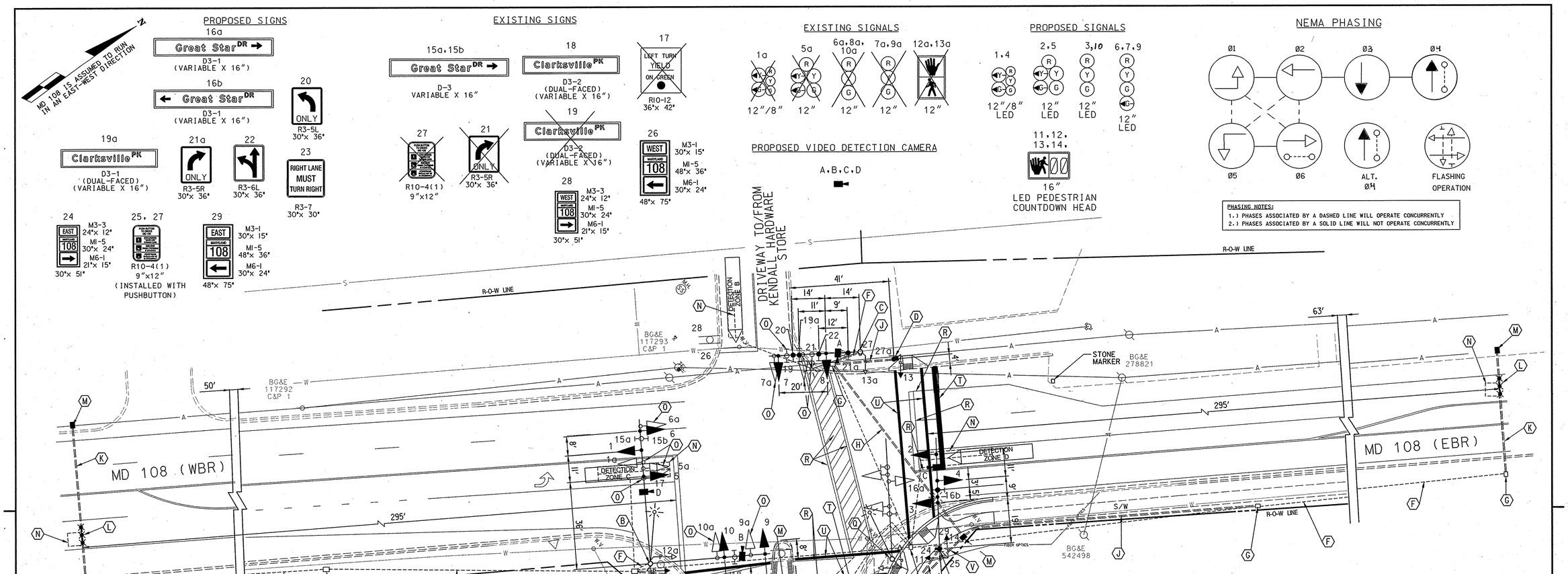

CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE WITH A 50 FT. MAST ARM, LED BLACK FACE SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, 20 FT. LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM LUMINAIRE, LED BLACK FACE PEDESTRIAN COUNTDOWN SIGNAL HEADS AND PUSH BUTTON WITH PEDESTRIAN EDUCATION SIGN. CUT CLEAN AND GALVANIZE THE 50 FT. MAST ARM TO 45 FT.. (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND IN BASE OF POLE.)

B. USE EXISTING STEEL POLE AND MAST ARM. INSTALL VIDEO DETECTION CAMERAS, LED BLACK FACE PEDESTRIAN COUNTDOWN SIGNAL HEAD, AND LED BLACK FACE SIGNAL HEADS. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD.

C. USE EXISTING STEEL POLE AND MAST ARM. INSTALL VIDEO DETECTION CAMERA, LED BLACK FACE SIGNAL HEADS AND SIGNS. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD.

D. INSTALL 10 FT. PEDESTRIAN POLE WITH LED BLACK FACE PEDESTRIAN COUNTDOWN SIGNAL HEAD AND PUSH BUTTON WITH PEDESTRIAN EDUCATION SIGN. (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND IN BASE OF POLE.)

E. USE EXISTING BASE MOUNTED CONTROLLER AND CABINET.

F. USE EXISTING CONDUIT.

G. USE EXISTING HANDHOLE.

H. INSTALL 4 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT- BORED.

J. INSTALL 3 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT- TRENCHED.

K. INSTALL 3 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT - BORED.

L. INSTALL NON-INVASIVE MICRO LOOP PROBE SET.

M. INSTALL HANDHOLE.

N. ABANDON EXISTING LOOP DETECTOR.

O. EXISTING SIGN AND/OR SIGNAL HEAD TO BE REMOVED.

P. REMOVE EXISTING HANDHOLE. CAP AND ABANDON EXISTING CONDUITS.

Q. REMOVE EXISTING SIGNAL POLE, MAST ARM, SIGNAL HEADS, PEDESTRIAN SIGNALS, SIGNS, AND LIGHTING ARM.

R. REMOVE EXISTING PAVEMENT MARKINGS.

S. INSTALL WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (ARROW).

T. INSTALL 24 IN. WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (STOPLINE).

U. INSTALL 12 IN. WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (CROSSWALK LINE).

V. INSTALL 4 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT- TRENCHED.

W. INSTALL 5 IN. WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING LINE.

Y. INSTALL 5 IN. WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING SKIP LINE (9 FT GAP 3 FT LINE).

GENERAL NOTES

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE - THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD - IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
2. THE CONTRACTOR SHALL CONFIRM THE LOCATION OF PROPOSED GEOMETRICS PRIOR TO THE INSTALLATION OF THE SIGNAL EQUIPMENT.
3. ALL PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH SHA STANDARDS. THE CONTRACTOR SHALL CONTACT THE ASSISTANT DISTRICT ENGINEER - TRAFFIC, 48 HOURS PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS TO CONFIRM LOCATION. ALL OTHER PAVEMENT MARKINGS WILL EITHER BE INSTALLED AS PART OF THE COUNTY'S PROJECT OR ARE CONSIDERED TO BE EXISTING.
4. 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.
5. THE VIDEO DETECTION CAMERAS ARE SHOWN IN APPROXIMATE LOCATIONS AND ARE FOR INFORMATION PURPOSES ONLY. EXACT LOCATIONS AND AIMING DIRECTIONS OF THE VIDEO DETECTION CAMERAS SHALL BE DETERMINED AND/OR APPROVED BY THE ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH.
7. ALL EXISTING UNUSED ELECTRICAL CABLES SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
8. ALL PROPOSED CONDUIT AND HANDHOLES LOCATED IN SIDEWALK SHALL BE INSTALLED PRIOR TO POURING SIDEWALK. HANDHOLE COVERS SHALL BE FLUSH WITH SIDEWALK.

SPECIAL NOTES:

1. PROPOSED GEOMETRICS AND ADA RAMPS SHALL BE INSTALLED BY THE GEOMETRIC CONTRACTOR.REFER TO CONTRACT DOCUMENT NO. CO. CAPITAL PROJECT NO. T-7076.
2. ALL PROPOSED SIGNALS AND PEDESTRIAN SIGNALS SHALL BE LED BLACK FACE SIGNAL HEADS.

GEOMETRIC LEGEND

PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A	A
ELECTRIC	E	E
TELEPHONE	T	T
GAS	G	G
SEWER	S	S
WATER	W	W
CABLE TV	TV	TV

PREPARED BY URS
HUNT VALLEY, MARYLAND

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

REVISIONS

B	11-2005 SIGNAL MODIFICATION DUE TO NEW GEOMETRICS (HO. CO. CAPITAL PROJECT NO.:T-7076)	KJS		
A	10-01-98 ASBUILT SHA NO.: BW177M83	RRZ		

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

TRAFFIC SIGNAL PLAN
MD 108 AT GREAT STAR DRIVE

SCALE 1" = 20' DATE 5/98 CONTRACT NO. BW177M83

DESIGNED BY M. GESELL
DRAWN BY M. GESELL
CHECKED BY C. CHEN
F.A.P. NO. N/A
COUNTY HOWARD
LOGMILE 13010803.99
T.I.M.S. NO. H158
TOD NO.

DRAWING NO. TS 3802B - OF
SHEET NO. 1 OF 2

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