DRILL HOLES

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US 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNS

15 — LEFT IN GREEN ARROW ONLY — R10-5 24"x18"

22 — EAST 40 — SHIELD ASSEMBLY 48"x75"

19 — EAST 40 — SHIELD ASSEMBLY 30"x51"

21 — WEST 40 — SHIELD ASSEMBLY 30"x51"

20 — WEST 40 — SHIELD ASSEMBLY 48"x75"

EXISTING SIGNALS

1,6 — R Y G — 12"

7,8,12,13 — R Y G — 12"

PROPOSED SIGNS

14 — LEFT IN GREEN ARROW ONLY — R10-5 24"x18"

17,18 — ONLY — R3-5L 30"x36"

16 — YIELD TO OPPOSING TRAFFIC WHEN TURNING LEFT — R10-12 (2) 36"x42"

PROPOSED VIDEO CAMERA

A,B

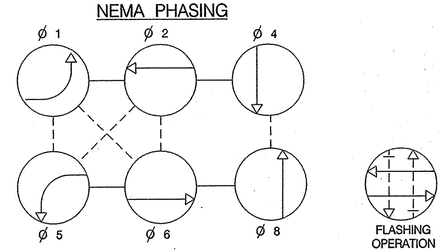
PROPOSED L.E.D. SIGNALS

2,5 — R Y G — 12"

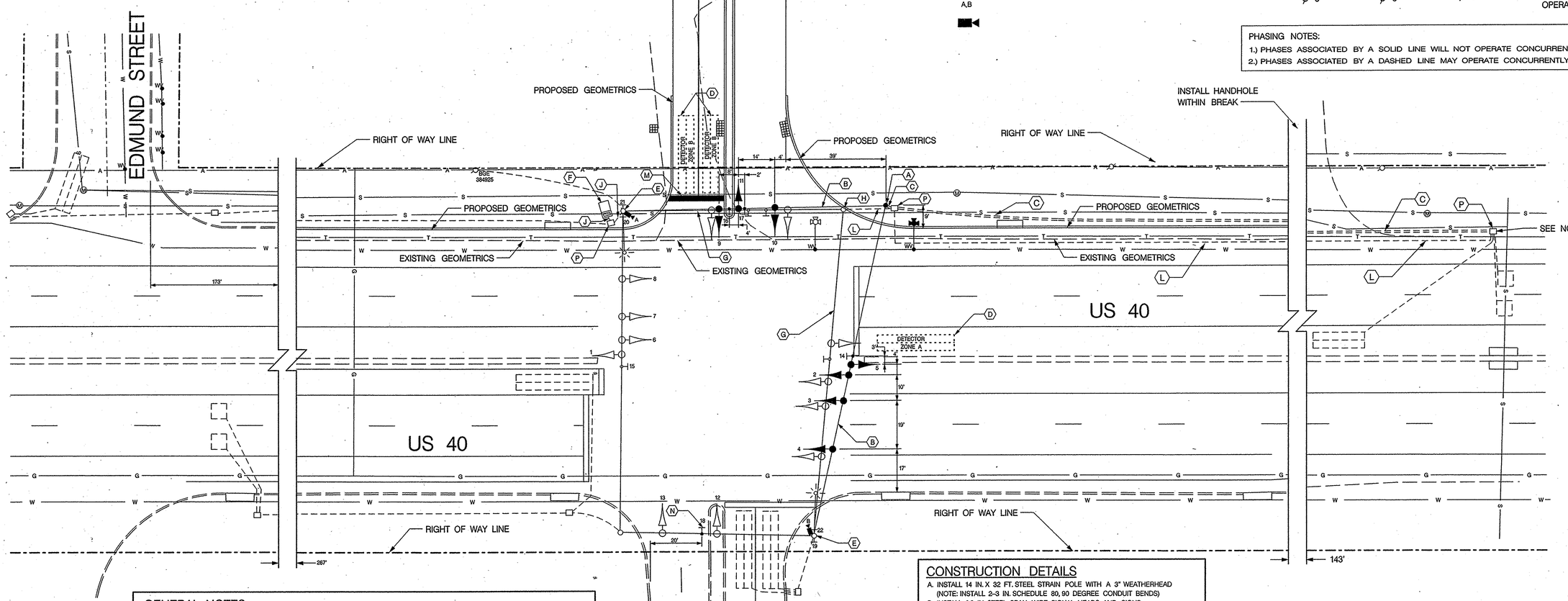
3,4,9,10 — R Y G — 12"

11 — R Y G — 8"

NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.



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 UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
2. 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 CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THTE INSTALLATION OF ALL SIGNAL EQUIPMENT.
3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT BEING REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE WORK.
4. SPLICE NEW 2 CONDUCTOR (ALUMINUM SHIELDED) CABLE TO THE EXISTING LOOP WIRE IN HANDHOLE.

CONSTRUCTION DETAILS

A. INSTALL 14 IN. X 32 FT. STEEL STRAIN POLE WITH A 3" WEATHERHEAD (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
B. INSTALL 36 IN. STEEL SPAN WIRE, SIGNAL HEADS, AND SIGNS
C. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – TRENCHED
D. VIDEO DETECTION ZONE
E. INSTALL VIDEO DETECTION CAMERA ON EXISTING STRAIN POLE
F. INSTALL VIDEO INTERFACE EQUIPMENT IN EXISTING BASE MOUNTED CABINET
G. REMOVE EXISTING SPAN WIRE, SIGNAL HEADS AND SIGNS
H. REMOVE EXISTING STRAIN POLE
J. USE EXISTING CONDUIT
K. ADJUST EXISTING HANDHOLE TO FINAL GRADE
L. CAP AND ABANDON EXISTING CONDUIT
M. INSTALL 24 IN. THERMOPLASTIC PAVEMENT MARKING
N. INSTALL SIGN ON EXISTING SPAN WIRE
O. INSTALL HANDHOLE
P. ADJUST HANDHOLE TO FINAL GRADE

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

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APPROVALS

ORIGINAL ON FILE

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

B	REPLACE SIGNAL EQUIPMENT DUE TO WIDENING ON THE NORTH SIDE OF US 40				
6-25-06	SHA NO. BW-996M82				
TMZ					
	A CHANGE EX. EP L.T. PHASE ON US 40 TO EXCLUSIVE INSTALL DETECTOR FOR W.B. US 40 AND EDMUND STREET				
BD	DJD	DAZ	BK		TH

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN
US 40 AND
WAL-MART / HAPPY HARRY'S ENTRANCE

SCALE 1" = 20' DATE 2-18-92 CONTRACT NO.

DESIGNED BY M.A.M COUNTY HARFORD
DRAWN BY M.A.M LOGMILE 12040011.84
CHECKED BY T.I.M.S. NO. H 570
F.A.P. NO. N/A TOD NO.

DRAWING NO. TS-3239B

SHEET NO. 1 OF 2