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

EXISTING SIGNS TO REMAIN

19,20 — PUSH BUTTON TO CROSS WEST PATRICK ST; STAY CROSSING WATCH FOR TURNING CARS; DON'T START FINISH CROSSING IF STARTED; PEDESTRIANS SHOULD NOT BE IN CROSSWALK

21 — Baughmans Ln / Linden Ave — D-3(1) 96"X32"

22 — Linden Ave / Baughmans Ln — D-3(1) 96"X32"

24,27 — ONLY — R3-5R 30"X36"

25 — ONLY — R3-5L 30"X36"

23,26 — R3-6L 30"X36"

EXISTING SIGNALS TO REMAIN

1,2 — 12"

3,4,14 — 12"

5,6 — 12"

7,8 — 12"

9,10,12,13 — 12"

11 — 12"

15,16,17,18 — 16"

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6

FLASHING OPERATION

Ø3 ALT.

NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

TOD NO: XX649-07
SHA NO: FR116A52/B52
US 40 @ US 40 Alt.; Baughmans Lane/ Linden Avenue

SIGNAL HEAD DIMENSIONS

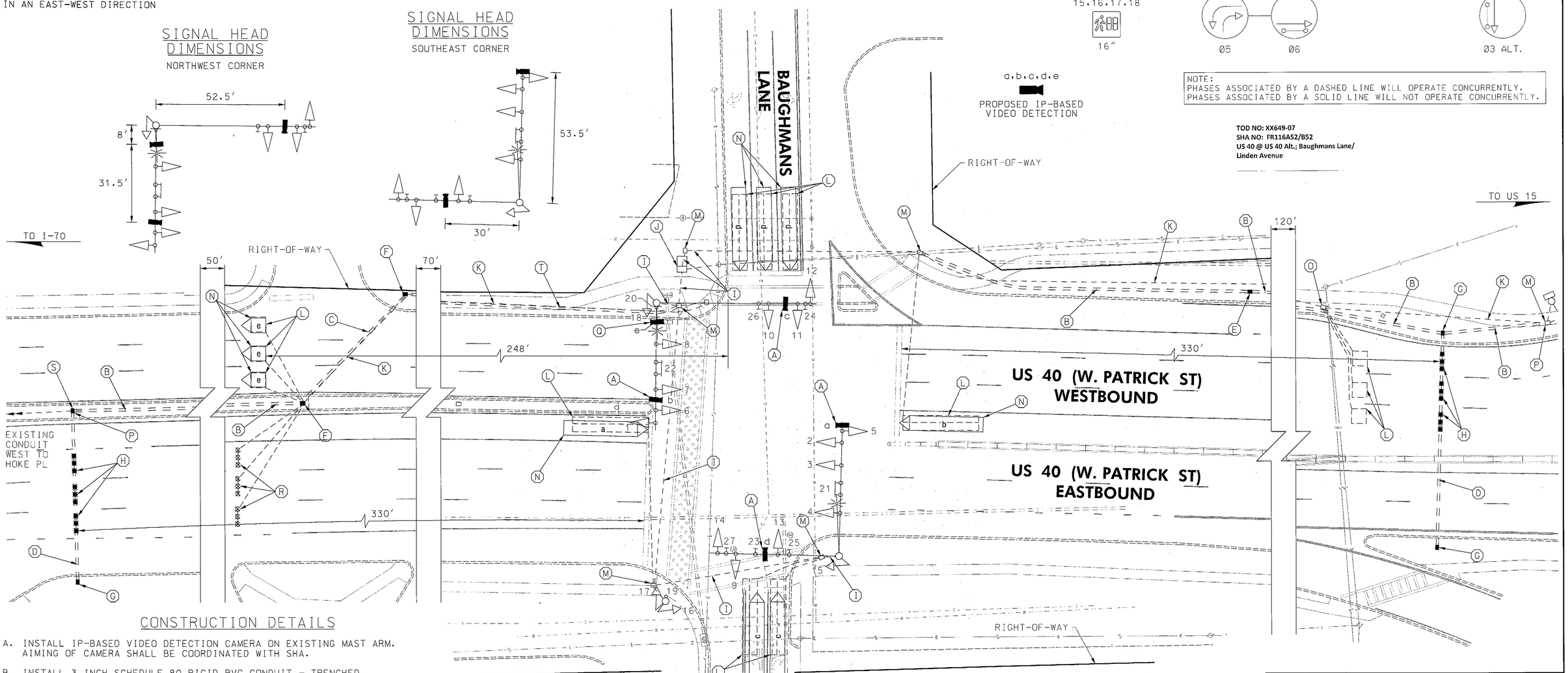
NORTHWEST CORNER

52.5′ · 8′ · 31.5′

SIGNAL HEAD DIMENSIONS

SOUTHEAST CORNER

53.5′ · 30′



CONSTRUCTION DETAILS

A. INSTALL IP-BASED VIDEO DETECTION CAMERA ON EXISTING MAST ARM. AIMING OF CAMERA SHALL BE COORDINATED WITH SHA.

B. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

C. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED.

D. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED FOR CARRIER PIPE.

E. INSTALL ELECTRICAL HANDHOLE.

F. RECONSTRUCT HANDHOLE IN EXISTING LOCATION.

G. INSTALL ELECTICAL HANDHOLE. INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO ROADWAY.

H. INSTALL NON-INVASIVE MICROLOOP PROBE WITH LEAD-IN CABLE. INSTALL CENTERED IN TRAVEL LANE.

I. USE EXISTING CONDUIT.

J. USE EXISTING CABINET. INSTALL IP-BASED VIDEO DETECTION INTERFACE EQUIPMENT.

K. CAP AND ABANDON EXISTING CONDUIT.

L. ABANDON EXISTING LOOP DETECTOR.

M. USE EXISTING HANDHOLE.

N. PROPOSED VIDEO DETECTION ZONE.

O. REMOVE EXISTING HANDHOLE, BACKFILL TO GRADE, AND CAP AND ABANDON EXISTING CONDUITS.

P. DISCONNECT, PULLBACK AND REROUTE EXISTING COMMUNICATION CABLE.

Q. INSTALL IP-BASED VIDEO DETECTION CAMERA ON EXISTING LIGHTING ARM. AIMING OF CAMERA SHALL BE COORDINATED WITH SHA.

R. ABANDON EXISTING MICROLOOP PROBE SET.

S. INSTALL ELECTRICAL HANDHOLE. INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO ROADWAY. INTERCEPT EXISTING CONDUIT.

T. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED.

GEOMETRIC LEGEND
- EXISTING
- PROPOSED

UTILITY LEGEND
- SD — STORM DRAIN
- G — GAS MAIN
- W — WATER MAIN
- S — SEWER MAIN
- E — ELECTRIC CABLES
- E — AERIAL CABLES
- T — TELEPHONE CABLES
- F — FIBER-OPTIC

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

REVISIONS

E	ADD VIDEO DETECTION & NON-INVASIVE MICROLOOP PROBES SHA NO. XX649516B. TIMS NO. L-410					09-2012
WFB	BJG					
D	ADD SYSTEM LOOPS. INTERCONNECT TO US 15 RAMP SIGNAL SHA NO. AW-456-501-785					02-16-1993
RRZ	CRS	DAZ	GR	EY	TH	
C	ADD SPLIT PHASE. LOOP DETECTION. GEOMETRIC CHANGES SHA NO. F-215-501-776					06-1992
DOD						

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

US 40 (W. PATRICK STREET) AT BAUGHMANS LANE / LINDEN AVENUE

FREDERICK, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20′ · DATE 03-1977 · CONTRACT NO. F-889-501-785

DESIGNED BY · DRAWN BY J.GORDON · CHECKED BY · FAP NO.

COUNTY FREDERICK · LOGMILE 10004012.97 · TIMS NO. · TOD NO.

TS NO. 725E · DRAWING SP-3 OF 4 · SHEET NO. 3 OF 4

PLOTTED: Tuesday, September 04, 2012 AT 01:33 PM
FILE: \\rkm\v2008\2008\08148_toddes\Task 118_US 40 Signals\CADD\L-410\pSG-0003_US40@Baughmans-Linden.dgn

BY: WFW