SIGNS

33,34,39, 40,46,47, 53,54 — R3-5L 30" x 36"

30A,30B, 35A,35B — D3(1) DUAL FACED 16" X Var.

44 — SHIELD ASSEMBLY 24" x 51"

45 — SHIELD ASSEMBLY 36" x 75"

51 — SHIELD ASSEMBLY 24" x 51"

52 — SHIELD ASSEMBLY 36" x 75"

US 40 IS ASSUMED TO RUN IN THE EAST WEST DIRECTION

29,36,41,48 — W11A-2 30" x 30"; W13-4 24" x 24"

31,37,43,50 — W11A-2 30" x 30"; M6-3L 21" x 18"

32,38,42,49 — W11A-2 30" x 30"; M6-3R 21" x 18"

NOTE

1. SIGNAL HEADS 1-22 PROPOSED.
2. SIGNAL HEADS 23-28 ARE EXISTING.

NOTE

1. SIGNS 29-32,35-38 & 41-52 ARE PROPOSED
2. SIGNS 33,34,39 & 40 ARE EXISTING.

SIGNALS

1,2,3, 6,7,8, 11,13,14, 17,19,20 — 12"

4,5,9,10, 12,15,16, 18,21,22 — 12"

12,18 — 8"

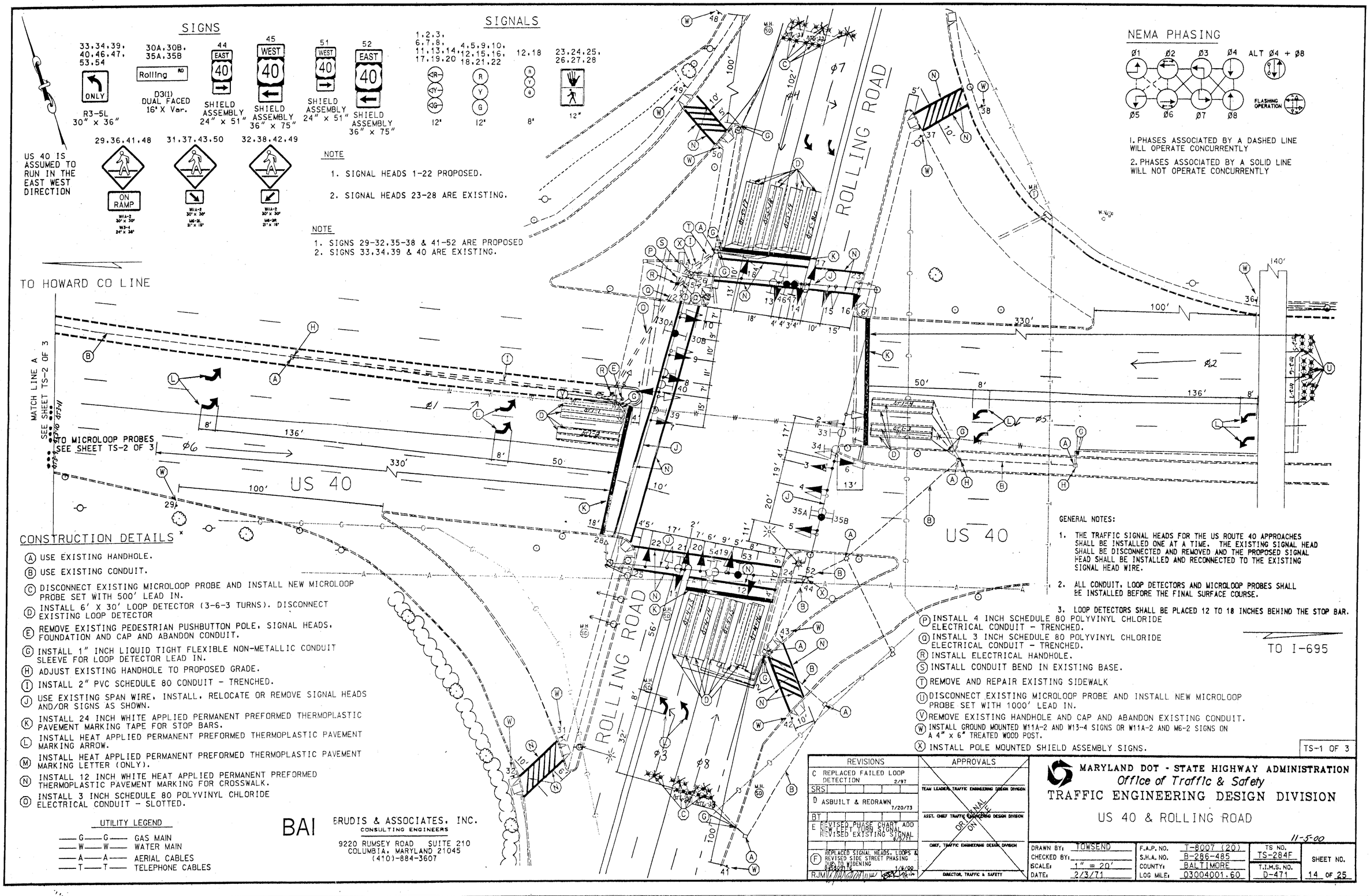
23,24,25, 26,27,28 — 12"

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 ALT Ø4 + Ø8

Ø5 Ø6 Ø7 Ø8 FLASHING OPERATION

1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

- (A) USE EXISTING HANDHOLE.
- (B) USE EXISTING CONDUIT.
- (C) DISCONNECT EXISTING MICROLOOP PROBE AND INSTALL NEW MICROLOOP PROBE SET WITH 500' LEAD IN.
- (D) INSTALL 6' X 30' LOOP DETECTOR (3-6-3 TURNS). DISCONNECT EXISTING LOOP DETECTOR
- (E) REMOVE EXISTING PEDESTRIAN PUSHBUTTON POLE, SIGNAL HEADS, FOUNDATION AND CAP AND ABANDON CONDUIT.
- (G) INSTALL 1" INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT SLEEVE FOR LOOP DETECTOR LEAD IN.
- (H) ADJUST EXISTING HANDHOLE TO PROPOSED GRADE.
- (I) INSTALL 2" PVC SCHEDULE 80 CONDUIT - TRENCHED.
- (J) USE EXISTING SPAN WIRE, INSTALL, RELOCATE OR REMOVE SIGNAL HEADS AND/OR SIGNS AS SHOWN.
- (K) INSTALL 24 INCH WHITE APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING TAPE FOR STOP BARS.
- (L) INSTALL HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROW.
- (M) INSTALL HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LETTER (ONLY).
- (N) INSTALL 12 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK.
- (O) INSTALL 3 INCH SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT - SLOTTED.
- (P) INSTALL 4 INCH SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT - TRENCHED.
- (Q) INSTALL 3 INCH SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT - TRENCHED.
- (R) INSTALL ELECTRICAL HANDHOLE.
- (S) INSTALL CONDUIT BEND IN EXISTING BASE.
- (T) REMOVE AND REPAIR EXISTING SIDEWALK
- (U) DISCONNECT EXISTING MICROLOOP PROBE AND INSTALL NEW MICROLOOP PROBE SET WITH 1000' LEAD IN.
- (V) REMOVE EXISTING HANDHOLE AND CAP AND ABANDON EXISTING CONDUIT.
- (W) INSTALL GROUND MOUNTED W11A-2 AND W13-4 SIGNS OR W11A-2 AND M6-2 SIGNS ON A 4" x 6" TREATED WOOD POST.
- (X) INSTALL POLE MOUNTED SHIELD ASSEMBLY SIGNS.

GENERAL NOTES:

1. THE TRAFFIC SIGNAL HEADS FOR THE US ROUTE 40 APPROACHES SHALL BE INSTALLED ONE AT A TIME. THE EXISTING SIGNAL HEAD SHALL BE DISCONNECTED AND REMOVED AND THE PROPOSED SIGNAL HEAD SHALL BE INSTALLED AND RECONNECTED TO THE EXISTING SIGNAL HEAD WIRE.
2. ALL CONDUIT, LOOP DETECTORS AND MICROLOOP PROBES SHALL BE INSTALLED BEFORE THE FINAL SURFACE COURSE.
3. LOOP DETECTORS SHALL BE PLACED 12 TO 18 INCHES BEHIND THE STOP BAR.

TS-1 OF 3

UTILITY LEGEND

- G — G — GAS MAIN
- W — W — WATER MAIN
- A — A — AERIAL CABLES
- T — T — TELEPHONE CABLES

BAI

BRUDIS & ASSOCIATES, INC.
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9220 RUMSEY ROAD SUITE 210
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(410)-884-3607

REVISIONS	
C	REPLACED FAILED LOOP DETECTION 2/97
SRS	
D	ASBUILT & REDRAWN 7/20/73
BT	
E	REVISED PHASE CHART, ADD NEW LEFT TURN SIGNAL, REVISED EXISTING SIGNAL 6/97
F	REPLACED SIGNAL HEADS, LOOPS & REVISED SIDE STREET PHASING DUE TO WIDENING 1/6/00

RJM

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

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

US 40 & ROLLING ROAD

11-5-00

DRAWN BY:	TOWSEND	F.A.P. NO.	T-8007 (20)	TS NO. TS-284F	SHEET NO.
CHECKED BY:		S.H.A. NO.	B-286-485		
SCALE:	1" = 20'	COUNTY:	BALTIMORE	T.I.M.S. NO. D-471	14 OF 25
DATE:	2/3/71	LOG MILE:	03004001.60		

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