US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS

R3-5L 30"X36" — ONLY — 25,28,29,32,33

W11-A2 36"X36" M6-2R 21"X15" — 35,39,41,44

W11-A2 36"X36" M6-2L 21"X15" — 36,38,42,45

W11-2 36"X36" — 34,37,40,43

48"X75" ASSOC. SHIELD ASSEMBLY — EAST MARYLAND 175 — 46

48"X75" ASSOC. SHIELD ASSEMBLY — WEST MARYLAND 175 — 47

30"X51" ASSOC. SHIELD ASSEMBLY — EAST MARYLAND 175 — 48

30"X51" ASSOC. SHIELD ASSEMBLY — WEST MARYLAND 175 — 49

36"X75" ASSOC. SHIELD ASSEMBLY — NORTH 1 — 50

36"X75" ASSOC. SHIELD ASSEMBLY — SOUTH 1 — 51

24"X51" ASSOC. SHIELD ASSEMBLY — NORTH 1 — 52

24"X51" ASSOC. SHIELD ASSEMBLY — SOUTH 1 — 53

D-3(I) DUAL FACED VARS X 16" — Waterloo RD — 26,27,30,31

R10-4(I) 9"X12" INSTALLED WITH PUSHBUTTON — 54,55

PROPOSED SIGNALS

12" R Y G — 3,4,8,9, 12,13,17,18

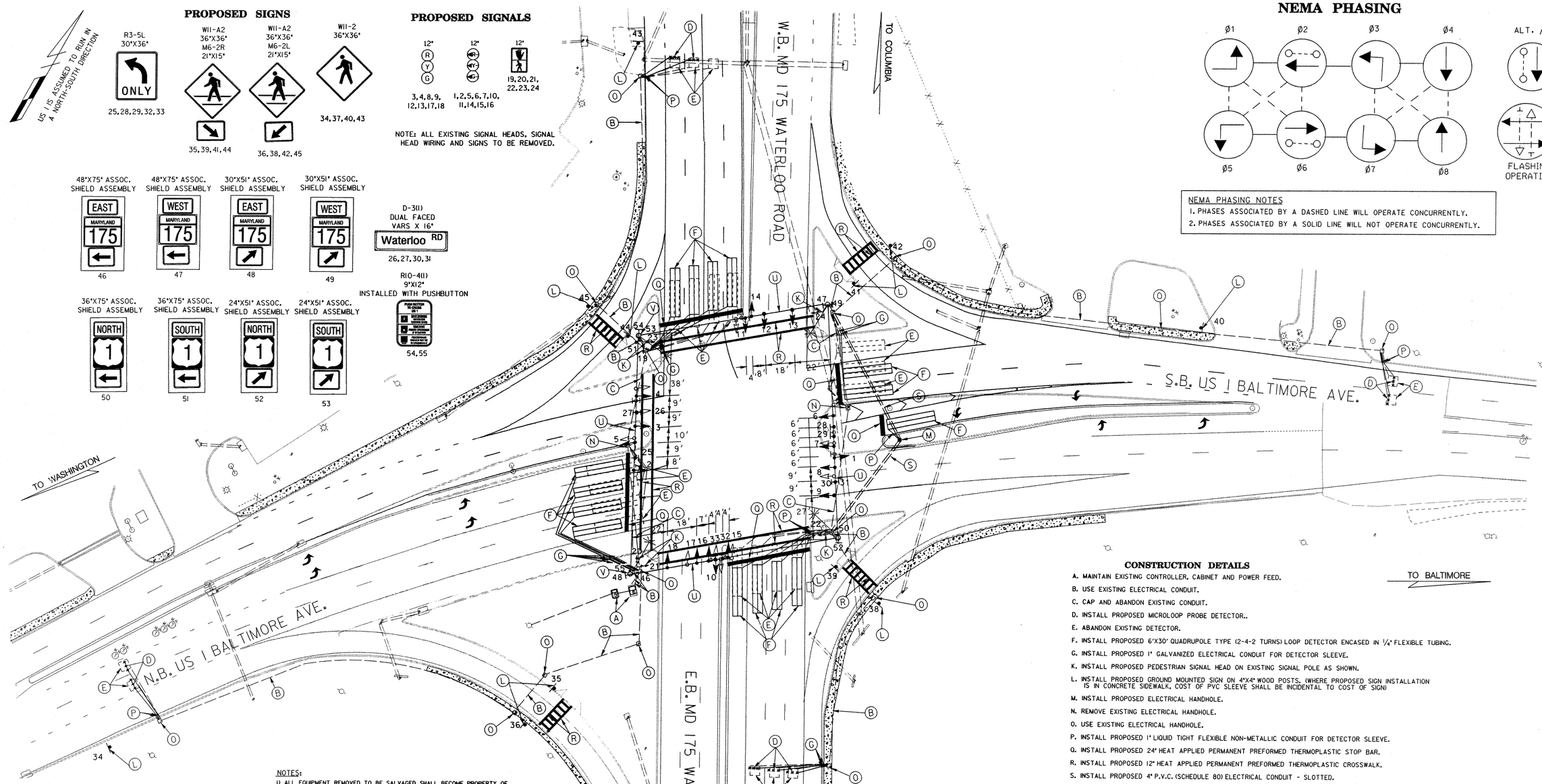
12" — 1,2,5,6,7,10, 11,14,15,16

12" — 19,20,21, 22,23,24

NOTE: ALL EXISTING SIGNAL HEADS, SIGNAL HEAD WIRING AND SIGNS TO BE REMOVED.

NEMA PHASING

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



CONSTRUCTION DETAILS

A. MAINTAIN EXISTING CONTROLLER, CABINET AND POWER FEED.
B. USE EXISTING ELECTRICAL CONDUIT.
C. CAP AND ABANDON EXISTING CONDUIT.
D. INSTALL PROPOSED MICROLOOP PROBE DETECTOR..
E. ABANDON EXISTING DETECTOR.
F. INSTALL PROPOSED 6'X30' QUADRUPOLE TYPE (2-4-2 TURNS) LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING.
G. INSTALL PROPOSED 1" GALVANIZED ELECTRICAL CONDUIT FOR DETECTOR SLEEVE.
K. INSTALL PROPOSED PEDESTRIAN SIGNAL HEAD ON EXISTING SIGNAL POLE AS SHOWN.
L. INSTALL PROPOSED GROUND MOUNTED SIGN ON 4"X4" WOOD POSTS. (WHERE PROPOSED SIGN INSTALLATION IS IN CONCRETE SIDEWALK, COST OF PVC SLEEVE SHALL BE INCIDENTAL TO COST OF SIGN)
M. INSTALL PROPOSED ELECTRICAL HANDHOLE.
N. REMOVE EXISTING ELECTRICAL HANDHOLE.
O. USE EXISTING ELECTRICAL HANDHOLE.
P. INSTALL PROPOSED 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.
Q. INSTALL PROPOSED 24" HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC STOP BAR.
R. INSTALL PROPOSED 12" HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC CROSSWALK.
S. INSTALL PROPOSED 4" P.V.C. (SCHEDULE 80) ELECTRICAL CONDUIT - SLOTTED.
T. INSTALL PROPOSED 4" P.V.C. (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.
U. INSTALL PROPOSED SIGNAL HEADS AND SIGNS ON EXISTING SPAN WIRE.
V. INSTALL PROPOSED PEDESTRIAN PUSH BUTTON AND SIGN ON EXISTING SIGNAL POLE AS SHOWN.

NOTES:
1) ALL EQUIPMENT REMOVED TO BE SALVAGED SHALL BECOME PROPERTY OF MARYLAND STATE HIGHWAY ADMINISTRATION (SEE GENERAL INFORMATION SHEET)
2) PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY CONTRACTOR IN ACCORDANCE WITH S.H.A. STANDARDS. ALL OTHER PAVEMENT MARKINGS NOT DETAILED ARE FOUND ON SIGNING AND PAVEMENT MARKING PLANS.
3) D.O. INDICATES DELAY OUTPUT LOOP DETECTOR.
4) ALL UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE FIELD LOCATED. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTLITES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY.
5) GEOMETRICS SHALL BE CONFIRMED PRIOR TO INSTALLATION OF SIGNAL EQUIPMENT.
6) LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.

GEOMETRICS LEGEND

PROPOSED GEOMETRICS	———
EXISTING GEOMETRICS	— — — —

LEGEND OF UTILITIES

WATER	W
GAS	G
UNDERGROUND TELEPHONE	T
SANITARY SEWER	S
UNDERGROUND ELECTRIC	E
AERIAL	A
STORM DRAIN	SD
SEWAGE FORCE MAIN	FM
CABLE TV	TV

TS-1 OF TS-2

REVISIONS	APPROVALS
E REVISED US 1 GEOMETRICS REVISED PHASING 6-00 SHA CONT. NO. HO810A21 PS	ASST. TRAFFIC ENGINEERING DESIGN DIVISION: ORIGINAL
	ASST. DISTRICT ENGINEER, TRAFFIC: ØN
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION: FILE
	DIRECTOR, TRAFFIC & SAFETY

KCI TECHNOLOGIES

REVISION 'E'
KCI TECHNOLOGIES INC.
ENGINEERS AND PLANNERS
10 NORTH PARK DRIVE
HUNT VALLEY, MARYLAND
21030-1888
(410) 316-7800

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
US 1 (BALTIMORE AVE) AT MD 175 (WATERLOO RD)

DRAWN BY: W.F. FITCH	F.A.P. NO.	TS NO. 199E	SHEET NO.
CHECKED BY: W.F. FITCH	S.H.A. NO.		
SCALE: 1" = 20'	COUNTY: HOWARD	T.I.M.S. NO.	OF
DATE: 3-6-72	LOG MILE: 13000105.59		

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