U.S. 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
STORM DRAIN	SD
WATER	W
CABLE TV	TV

SPECIAL NOTE

1. CONTRACTOR SHALL USE CAUTION TO AVOID DISTRURBANCE OF EXISTING LOOP DETECTOR LEAD-INS WHEN INSTALLING NEW CONDUIT.
2. CONTRACTOR SHALL INSTALL NEW CONDUIT, HANDHOLES AND INTERCONNECT CABLE DURING STAGE 1 OF THE MAINTENANCE OF TRAFFIC PHASE.

PROPOSED SIGNAL

5

PROPOSED SIGNS

18,19

R3-5L (30" X 36")

EXISTING SIGNALS TO REMAIN

1,2,6 3,4,7 8,11,14 9,10 12,13

EXISTING SIGNAL TO BE REMOVED

5A

EXISTING SIGNS

15,16,17,20

St. Johns Lane

D-3(1) (DUAL FACED) (VARIABLE x 16")

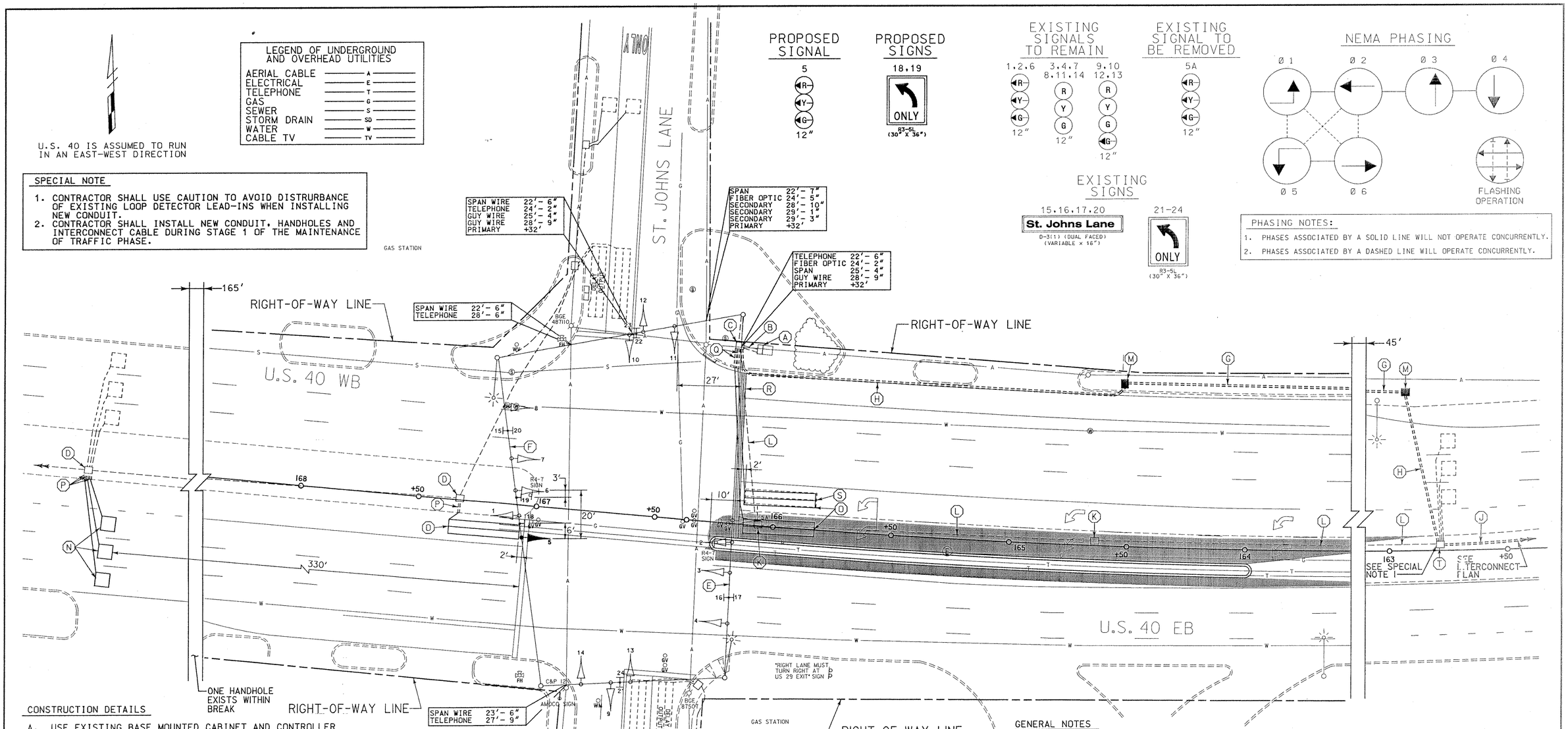
21-24

R3-5L (30" X 36")

NEMA PHASING

PHASING NOTES:

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



CONSTRUCTION DETAILS

A. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER
B. USE EXISTING CONDUIT.
C. USE EXISITNG HANDHOLE.
D. USE EXISTING HANDHOLE. SPLICE EXISTING 2-CONDUCTOR ELECTRICAL CABLE (S). (ALUMINUM SHIELDED) TO NEW LOOP WIRE(S).
E. USE EXISTING SPAN WIRE AND REMOVE EXISTING SIGNAL HEAD AS NOTED.
F. USE EXISITNG SPAN WIRE AND INSTALL SIGNAL HEAD AND SIGNS AS NOTED.
G. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
H. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
J. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED). INSTALL 12-PAIR COMMUNICATION CABLE (JELLY-FILLED) (SEE INTERCONNECT PLANS).
K. REMOVE EXISTING HANDHOLE.
L. ABANDON EXISTING CONDUIT.
M. INSTALL HANDHOLE.
N. INSTALL 6 FT. X 6 FT. (4 TURNS) LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
O. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
P. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
Q. INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
R. REMOVE EXISTING AND INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKINGS (STOP LINE).
S. ABANDON EXISTING LOOP DETECTOR.
T. USE EXISTING HANDHOLE. SPLICE EXISTING LOOP WIRES TO NEW 2-CONDUCTOR ELECTRICAL CABLES (ALUMINUM SHIELDED).

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 THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
2. REMOVE AND DISPOSE OF ALL UNUSED CABLE.
3. VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
4. REFER TO SIGNING AND MARKING PLANS FOR ADDITIONAL SIGNING AND PAVEMENT MARKING DETAILS.

TSP - 3

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REVISIONS	APPROVALS
(F) INSTALL WB DOUBLE LEFT TURN LANE DETECTION AND REPLACE EB LOOP DETECTION REQUIRED REVISION NO.1 5/31/00 NML	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
(E) AS BUILT SHA 855-10738 5/26/96 MAM	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

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

TRAFFIC SIGNALIZATION PLAN US 40 AND ST. JOHNS LANE

DRAWN BY: D.DISTANCE	F.A.P. NO.		TS NO. TS-181 F	SHEET NO. 18.1 OF 26
CHECKED BY:	S.H.A. NO.	H0-716-501-776		
SCALE: 1" = 20'	COUNTY:	HOWARD	T.I.M.S. NO.	
DATE: 5/90	LOG MILE:	13004018.00		

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