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

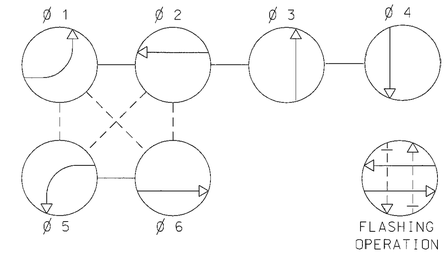
PROPOSED SIGNALS

9: R, Y, G, ◁G — 8"/12"
13: R, Y, G, ◁G — 12"
14: R, Y, G — 12"

EXISTING SIGNALS

3,4,7,8,11: R, Y, G — 12"
10: R, Y, G, ◁G — 12"
1,2,5,6: ◁R, ◁Y, ◁G — 12"
12: R, Y, G, ◁G — 8"
15,16: Y — 12"

NEMA PHASING



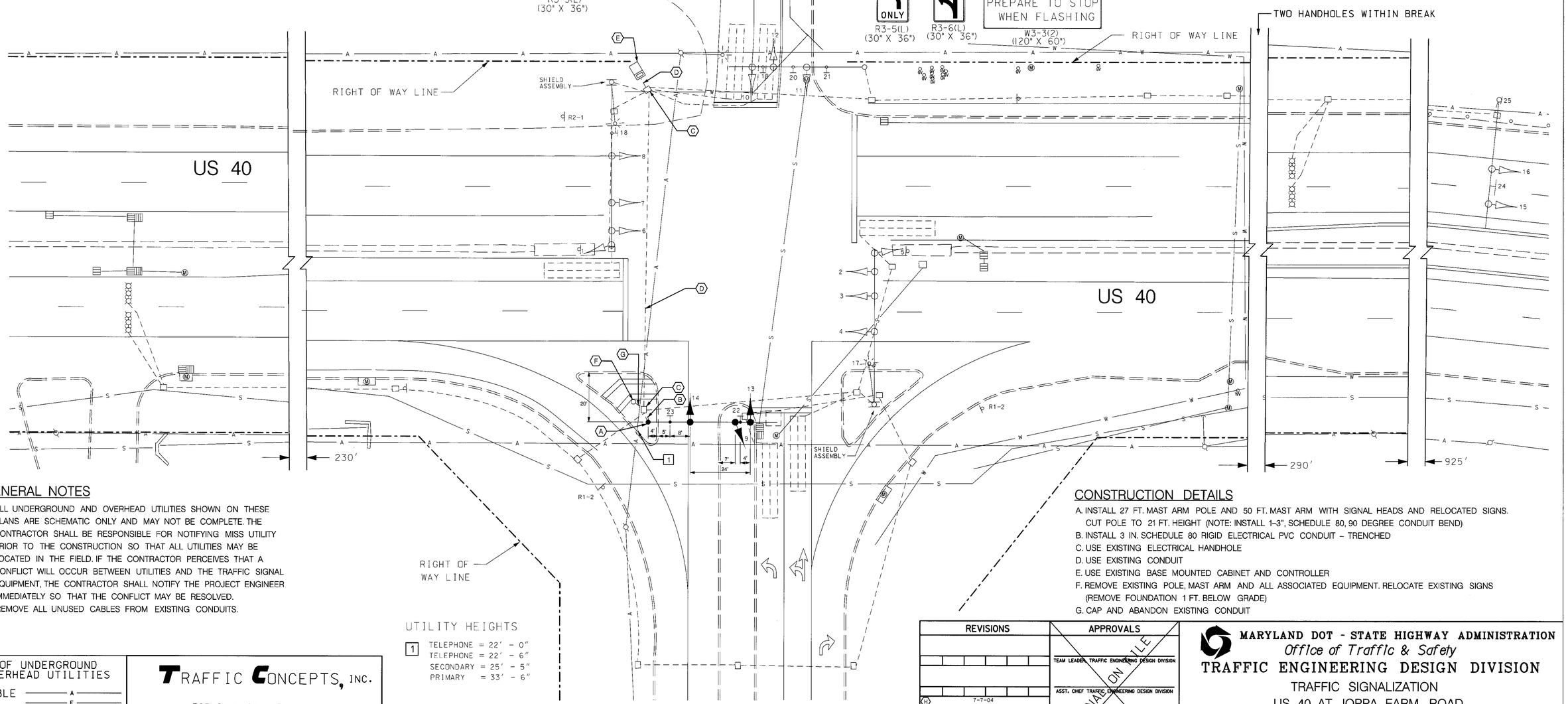
PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

EXISTING SIGNS TO BE RELOCATED

23: PULASKI HWY — D3-2 DUAL FACE SIGN (VAR. X 16")
22: ONLY — R3-5(L) (30" X 36")

EXISTING SIGNS

21: PULASKI HWY — D3-2 DUAL FACE SIGN (VAR. X 16")
17,18: JOPPA FARM RD — D3-2 DUAL FACE SIGN (VAR. X 16")
25: W3-3
19: ONLY — R3-5(L) (30" X 36")
20: R3-6(L) (30" X 36")
24: SIGNAL AHEAD PREPARE TO STOP WHEN FLASHING — W3-3(2) (120" X 60")



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 WILL OCCUR BETWEEN UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
2. REMOVE ALL UNUSED CABLES FROM EXISTING CONDUITS.

UTILITY HEIGHTS

1: TELEPHONE = 22' - 0"
TELEPHONE = 22' - 6"
SECONDARY = 25' - 5"
PRIMARY = 33' - 6"

CONSTRUCTION DETAILS

A. INSTALL 27 FT. MAST ARM POLE AND 50 FT. MAST ARM WITH SIGNAL HEADS AND RELOCATED SIGNS. CUT POLE TO 21 FT. HEIGHT (NOTE: INSTALL 1-3", SCHEDULE 80, 90 DEGREE CONDUIT BEND)
B. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
C. USE EXISTING ELECTRICAL HANDHOLE
D. USE EXISTING CONDUIT
E. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER
F. REMOVE EXISTING POLE, MAST ARM AND ALL ASSOCIATED EQUIPMENT. RELOCATE EXISTING SIGNS (REMOVE FOUNDATION 1 FT. BELOW GRADE)
G. CAP AND ABANDON EXISTING CONDUIT

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101

REVISIONS	APPROVALS
MH 7-7-04 REPLACE MAST ARM IN S/W CORNER SHA NO. 278637/2021	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
TZ	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
G 8-22-02 REPLACE DETECTION DUE TO WIDENING SHA NO. HA2285177	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
MH TZ	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION
US 40 AT JOPPA FARM ROAD

DRAWN BY:	T ZAYDEL	F.A.P. NO.		TS NO. 100H	SHEET NO.
CHECKED BY:	K SCHMID	S.H.A. NO.	HA188A5DB5D		
SCALE:	1" = 20'	COUNTY:	HARFORD	T.I.M.S. NO. G559	1 OF 2
DATE:	10-28-97	LOG MILE:	1204000.17		

m:\1000\02-1039\us40@joppafarmsig. Jul. 12, 2004 09:00:10