US 13 BUSINESS IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGN

14A,14B,16A,16B — Isabella Street — D3-1 SINGLE FACE SIGN (VAR. X 16")

12 — LEFT TURN YIELD ON GREEN — R10-12 (36" X 42")

15 — TRUCKS OVER 3/4 T EXCEPT LOCAL DELIVERIES — R12-5 (24" X 36")

13 — TRUCKS OVER 3/4 T EXCEPT LOCAL DELIVERIES — R12-5 (24" X 36")

EXISTING SIGNALS (BLACKFACED)

7,9: R, Y, G — 12"

6,8: R, Y, G, ◁G — 12"

EXISTING VIDEO DETECTION CAMERA

A,B,C

PROPOSED SIGNALS (BLACKFACED)

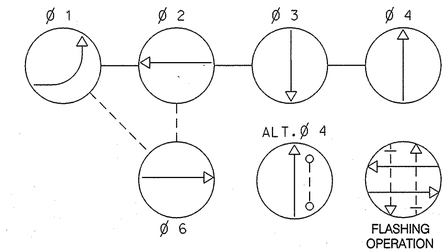
1: ◁Y, R, ◁G, G — 12"/8"

2: R, ◁Y, Y, ◁G, G — 12"

3,4,5: R, Y, G — 12"

10–11: ✋, 🚶 — 12"

NEMA PHASING



PHASING NOTES:

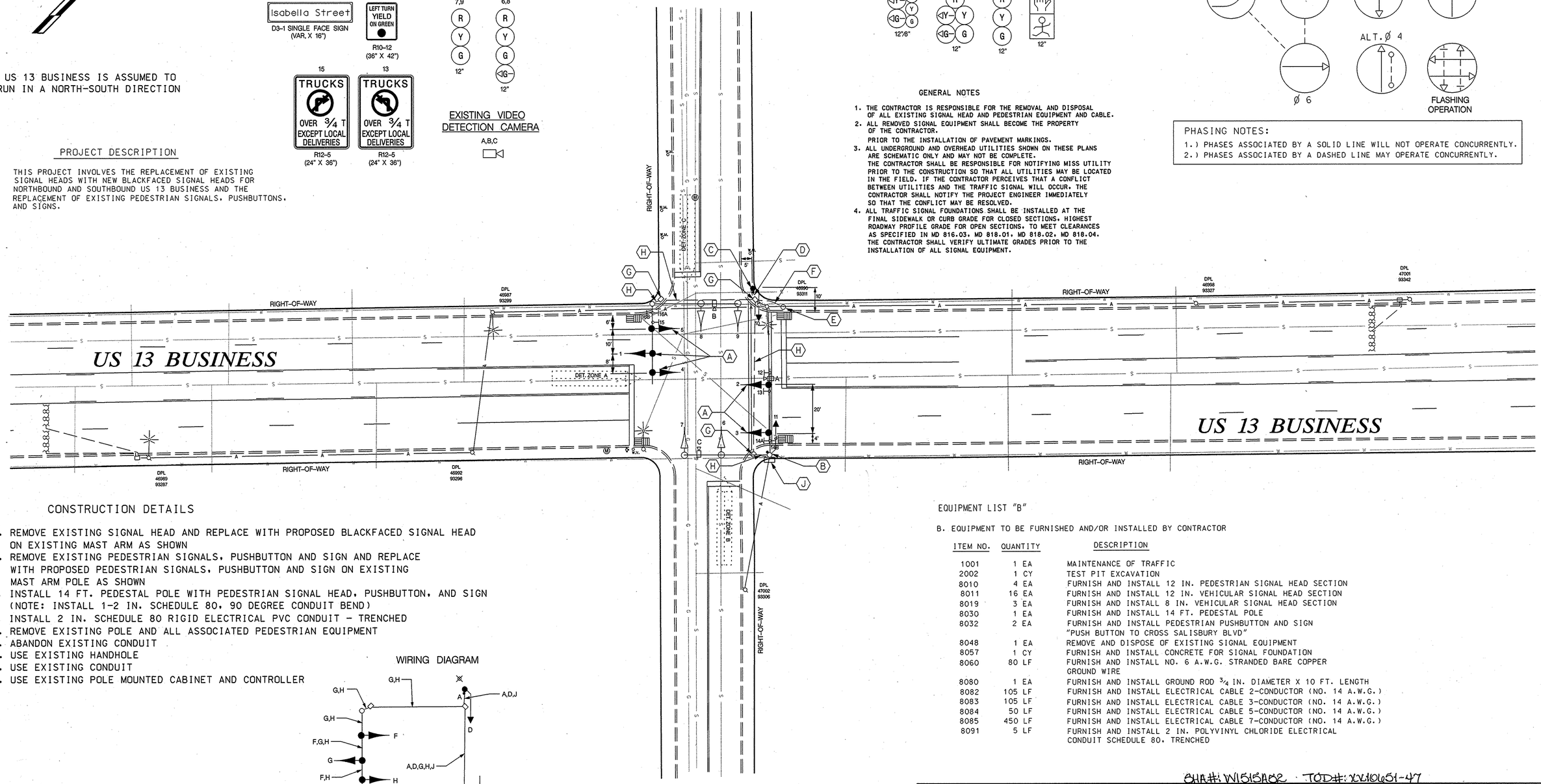
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE REPLACEMENT OF EXISTING SIGNAL HEADS WITH NEW BLACKFACED SIGNAL HEADS FOR NORTHBOUND AND SOUTHBOUND US 13 BUSINESS AND THE REPLACEMENT OF EXISTING PEDESTRIAN SIGNALS, PUSHBUTTONS, AND SIGNS.

GENERAL NOTES

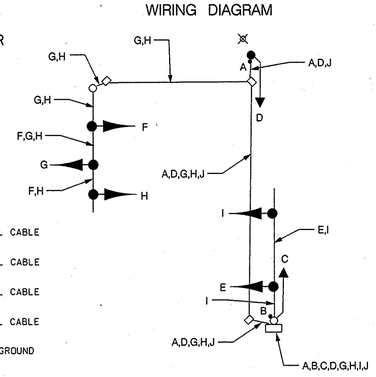
1. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL EXISTING SIGNAL HEAD AND PEDESTRIAN EQUIPMENT AND CABLE.
2. ALL REMOVED SIGNAL EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
   PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN 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.
4. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.



CONSTRUCTION DETAILS

A. REMOVE EXISTING SIGNAL HEAD AND REPLACE WITH PROPOSED BLACKFACED SIGNAL HEAD ON EXISTING MAST ARM AS SHOWN
B. REMOVE EXISTING PEDESTRIAN SIGNALS, PUSHBUTTON AND SIGN AND REPLACE WITH PROPOSED PEDESTRIAN SIGNALS, PUSHBUTTON AND SIGN ON EXISTING MAST ARM POLE AS SHOWN
C. INSTALL 14 FT. PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD, PUSHBUTTON, AND SIGN (NOTE: INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE CONDUIT BEND)
D. INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
E. REMOVE EXISTING POLE AND ALL ASSOCIATED PEDESTRIAN EQUIPMENT
F. ABANDON EXISTING CONDUIT
G. USE EXISTING HANDHOLE
H. USE EXISTING CONDUIT
J. USE EXISTING POLE MOUNTED CABINET AND CONTROLLER

WIRING DIAGRAM



WIRING KEY

A-B	2 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
C-D	3 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
E-F	5 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
G-I	7 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
J	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
⊗	GROUND ROD

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
2002	1 CY	TEST PIT EXCAVATION
8010	4 EA	FURNISH AND INSTALL 12 IN. PEDESTRIAN SIGNAL HEAD SECTION
8011	16 EA	FURNISH AND INSTALL 12 IN. VEHICULAR SIGNAL HEAD SECTION
8019	3 EA	FURNISH AND INSTALL 8 IN. VEHICULAR SIGNAL HEAD SECTION
8030	1 EA	FURNISH AND INSTALL 14 FT. PEDESTAL POLE
8032	2 EA	FURNISH AND INSTALL PEDESTRIAN PUSHBUTTON AND SIGN "PUSH BUTTON TO CROSS SALISBURY BLVD"
8048	1 EA	REMOVE AND DISPOSE OF EXISTING SIGNAL EQUIPMENT
8057	1 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8060	80 LF	FURNISH AND INSTALL NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
8080	1 EA	FURNISH AND INSTALL GROUND ROD 3/4 IN. DIAMETER X 10 FT. LENGTH
8082	105 LF	FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR (NO. 14 A.W.G.)
8083	105 LF	FURNISH AND INSTALL ELECTRICAL CABLE 3-CONDUCTOR (NO. 14 A.W.G.)
8084	50 LF	FURNISH AND INSTALL ELECTRICAL CABLE 5-CONDUCTOR (NO. 14 A.W.G.)
8085	450 LF	FURNISH AND INSTALL ELECTRICAL CABLE 7-CONDUCTOR (NO. 14 A.W.G.)
8091	5 LF	FURNISH AND INSTALL 2 IN. POLYVINYL CHLORIDE ELECTRICAL CONDUIT SCHEDULE 80, TRENCHED

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
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Gambrills, MD 21054
(410) 923-7101
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SHA#: W1515A02 · TOD#: XX10651-47

REVISIONS	
D	CHANGE US 13 BUS SIGNAL HEADS TO BLACKFACE AND REPLACE PED. EQUIPMENT 4/2004 SHA NO. XX1065185
C	REMOVE PRESSENCE DETECTION AND INSTALL VIDEO DETECTION 3-03-04 SHA NO. W1516A21
B	SPLIT SIDE STREET PHASING, CHANGE ALL SIDE STREET SIGNAL HEADS TO BLACKFACE 03-2000
A	ADD E/P LEFT FOR N.B. US 13 BUS 06-92

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
SIGNALIZATION PLAN
US 13 BUSINESS AND ISABELLA STREET

DRAWN BY: G.HALLAMYER	F.A.P. NO.	TS NO. 1943-D	SHEET NO.
CHECKED BY: DENNIS DODA JR	S.H.A. NO. WI-633-502-185		
SCALE: 1" = 20'	COUNTY: WICOMICO	T.I.M.S. NO. F648	1 OF 1
DATE: 2/8/84	LOG MILE: 22B01305.77		

m:\800\01-832\52 us 13 bus\isabell May. 04, 2004 11:47:30