F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	SEE TITLE SHEET		

4 CONSTRUCTION DETAILS (continued)

4 T. Install 2 in. PVC schedule 80 electrical conduit - trenched. (Note: installation requires the removal and replacement of existing sidewalk).

4 U. Relocate pedestal pole with breakaway base, pedestrian signal head and push button to sta. 35+08: right 27 ft. Install proposed pedestrian signal head, as shown. (Note: Contractor to install ground rod in pole foundation , a new 2 in. PVC schedule 80 conduit bend and four - 1 in. x 40 in. anchor bolts. Also, contractor shall pull back existing cables and reroute to relocated pedestal pole.)

4 V. Existing pole to be relocated to sta. 35+08: right 27 ft.

EXISTING SIGNALS

12" R Y G 1.2 — 8" R Y G 3.4 — 9" 3 ~~8,9,12~~ 5,8-12

EXISTING SIGNS

R3-2 (30"x30") 13 — D3-2 (16"XVAR) CHURCHVILLE RD. 14 — R3-5R (30"x36") ONLY 15

R3-5L (30"x36") ONLY 16 — D3-2 (16"XVAR) BOND ST. 18 — R3-6 (30"x36") 19 — R3-1 (30"x30") 20

PROPOSED SIGNALS

9" 3 ~~5,7,10,11~~ 6,7

PROPOSED SIGNS

R10-11b (30"x30") NO TURN ON RED 17

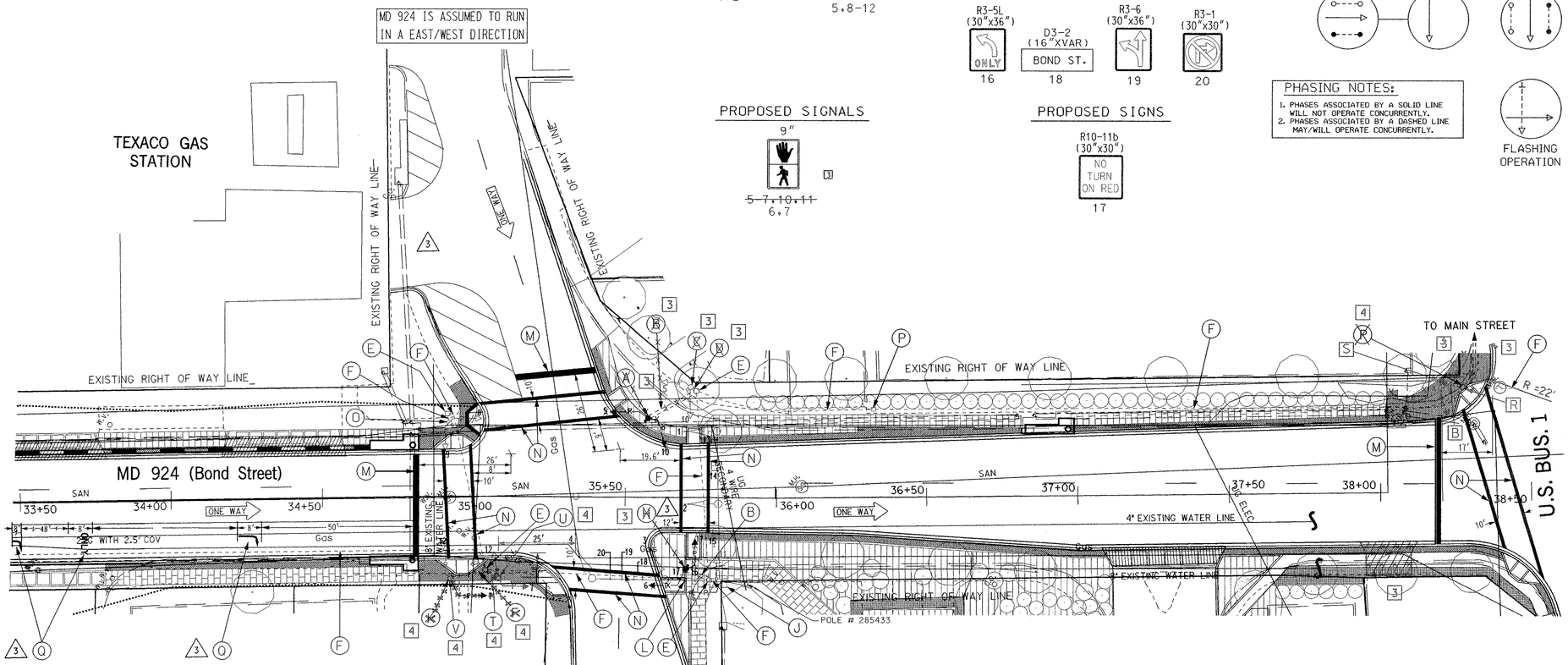
NEMA PHASING

Ø 2 — Ø 4 — Ø 4 ALT

FLASHING OPERATION

PHASING NOTES:

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



CONSTRUCTION DETAILS

3 A. ~~Install 10 ft. pedestal pole with breakaway base, signal heads and pedestrian push button at sta. 35+57: left 26 ft. (Note: One - 2 in. PVC schedule 80 conduit bend and four - 1 in. x 40 in. anchor bolts. Also, install ground rod in pole foundation.)~~

B. Install 2 in. PVC schedule 80 electrical conduit - trenched prior to the installation of concrete sidewalk / pavers.

C. Remove existing pedestal pole, signal heads and push button (Note: remove existing foundation 1 ft. below grade and backfill.

D. Cap and abandon existing conduit.

E. Use/adjust existing handhole frame to final grade (Note: Install grounding terminal and grounded type handhole cover with strap).

F. Use existing conduit.

3 G. DELETED

3 H. ~~Install 10 ft. pedestal pole with breakaway base, signal heads, and~~ push button at sta. 35+70: right 24 ft. (Note: one - 2 in. PVC schedule 80 conduit bend and four - 1 in. x 40 in. anchor bolts. Also, install ground rod in pole foundation). Also, install pedestrian signal head as shown.

J. Install electrical cables into existing controller cabinet and properly tag / label each cable. (Note: remove existing pedestrian signal head push button and sign).

K. Install pedestrian signal heads on existing pedestal pole.

L. Install sign on existing mast arm.

3 M. Install 24 in. white thermoplastic pavement marking tape.

3 N. Install 12 in. white thermoplastic pavement marking tape.

O. Use existing pedestal pole.

4 ~~P. Use/adjust existing handhole to final grade.~~

3 Q. INSTALL PERMANENT PREFORMED PAVEMENT MARKING LETTER AND/OR ARROW AS SHOWN.

3 R. Adjust exiting handhole to final grade and install ground rod.

3 S. Install 10 ft. pedestal pole with breakaway base, signal heads and pedestrian push button at sta. 38+20.5: left 37 ft. (Note: One - 2 in. PVC schedule 80 conduit bend and four - 1 in. x 40 in. anchor bolts).

GENERAL NOTES

1. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH SHA STANDARDS.
2. THE CONTRACTOR SHALL COORDINATE TRAFFIC SIGNAL CONSTRUCTION WITH THE STREETSCAPE CONTRACTOR.
3. ALL TRAFFIC SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.

UTILITY LEGEND

T	TELEPHONE CABLES
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
BC	BURIED CABLE
SD	STORM DRAIN

GEOMETRIC LEGEND

EXISTING GEOMETRICS

PROPOSED GEOMETRICS

FILENAME=n:\PROJECTS\RANGP\9924\NI\USES\STE\SS03M924.DGN

REVISIONS	
3 Redline No.3 Revised based on HDD comments	10-23-98
4 Redline No.4 Revised based on HDD comments	04-09-99
DMP DC	
3 ADDENDUM 3 MARCH 5, 1998	
© ADD PEDS AND REPLACE CABLE WITH STREETSCAPE PROJECT	11/97
DMP DC	

APPROVALS

ASST. DIVISION CHIEF, TEDD

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

DBL CONSULTING ENGINEERS COLUMBIA, MARYLAND

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

MD 924 (BOND STREET) @ MD 22 (CHURCHVILLE ROAD)

LOGMILE #: 12002200.00

DATE / /

DRAWN BY: G. SIMMERS	F.A.P. NO.	STPG-000S(494)E	PLAN SHEET NO.:	SHEET NO.
CHECK BY:	S.H.A. NO.	AW-104-501-585	1479 C	41 OF 66
SCALE: 1"=20'	COUNTY	HARFORD		

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