EXISTING SIGNS

22,24 — Rolling RD — D-3(1) 16" x Var. (Dual Faced)

30 — WEST MARYLAND 26 EAST — M 95-1 24" x 72"

31 — EAST MARYLAND 26 WEST — M 95-1 24" x 72"

32,34 33,35 — Pedestrian Crossing (FYG)

21,23, ~~26,28~~ — LEFT TURN YIELD ON GREEN — R 10-12 36" x 42"

25,27 — ONLY — R 3-5(L) 30" x 36"

29 — ONLY — R 3-5(R) 30" x 36"

EXISTING SIGNS 26,28 SHALL BE REMOVED.

MD 26 is considered to run in an East/West direction.

EXISTING SIGNALS

1,4, ~~7,10~~ — R Y G 8" 12"

2,5, ~~8,11~~ — R Y G 12"

3,6, 9,12 — R Y G 12"

13-20 — 12"

EXISTING SIGNALS 7,8,10, 11 SHALL BE REMOVED.

PROPOSED SIGNALS

8,11 — R Y G G 12"

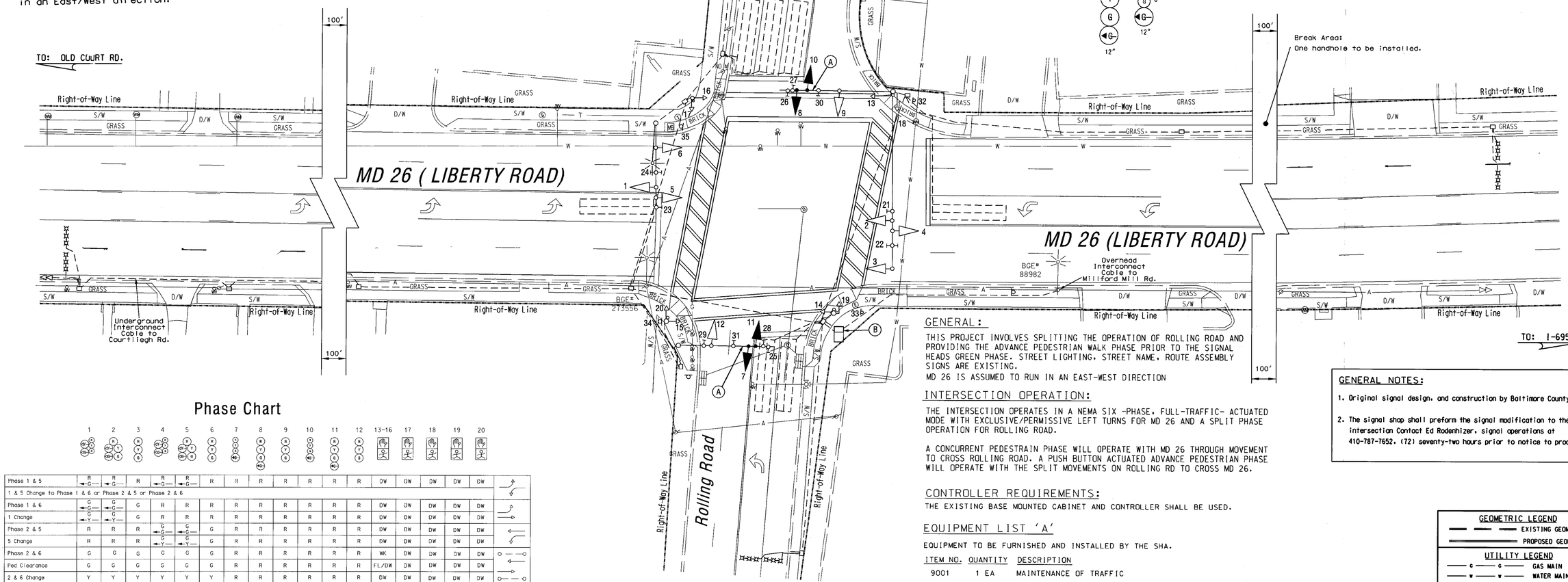
7,10 — R Y G 8" G 12"

NEMA PHASING

Ø 1 Ø 2 Ø 3 Ø 4 Ø 5 Ø 6 Ø 3 Alt. Ø 4 Alt.

FLASHING OPERATION

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



Phase Chart

	1	2	3	4	5	6	7	8	9	10	11	12	13-16	17	18	19	20
Phase 1 & 5	R G	R G	R	R G	R G	R	R	R	R	R	R	R	DW	DW	DW	DW	DW
1 & 5 Change to Phase 1 & 6 or Phase 2 & 5 or Phase 2 & 6																	
Phase 1 & 6	G G	G G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW
1 Change	G Y	G Y	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW
Phase 2 & 5	R	R	R	G G	G G	G	R	R	R	R	R	R	DW	DW	DW	DW	DW
5 Change	R	R	R	G Y	G Y	G	R	R	R	R	R	R	DW	DW	DW	DW	DW
Phase 2 & 6	G	G	G	G	G	G	R	R	R	R	R	R	WK	DW	DW	DW	DW
Ped Clearance	G	G	G	G	G	G	R	R	R	R	R	R	FL/DW	DW	DW	DW	DW
2 & 6 Change	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW
Phase 3	R	R	R	R	R	R	G G	G G	G	R	R	R	DW	DW	DW	DW	DW
Change	R	R	R	R	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW	DW
Phase Alt 3	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	WK	WK	DW
Ped Clearance	R	R	R	R	R	R	G G	G G	G	R	R	R	DW	DW	F/DW	F/DW	DW
Change	R	R	R	R	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW	DW
Phase 4	R	R	R	R	R	R	R	R	R	G G	G G	G	DW	DW	DW	DW	DW
Change	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW
Phase Alt 4	R	R	R	R	R	R	R	R	R	R	R	R	DW	WK	DW	DW	WK
Ped Clearance	R	R	R	R	R	R	R	R	R	G G	G G	G	DW	FL/DW	DW	DW	FL/DW
Change	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK

GENERAL:

THIS PROJECT INVOLVES SPLITTING THE OPERATION OF ROLLING ROAD AND PROVIDING THE ADVANCE PEDESTRIAN WALK PHASE PRIOR TO THE SIGNAL HEADS GREEN PHASE. STREET LIGHTING, STREET NAME, ROUTE ASSEMBLY SIGNS ARE EXISTING.

MD 26 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

INTERSECTION OPERATION:

THE INTERSECTION OPERATES IN A NEMA SIX -PHASE, FULL-TRAFFIC- ACTUATED MODE WITH EXCLUSIVE/PERMISSIVE LEFT TURNS FOR MD 26 AND A SPLIT PHASE OPERATION FOR ROLLING ROAD.

A CONCURRENT PEDESTRAIN PHASE WILL OPERATE WITH MD 26 THROUGH MOVEMENT TO CROSS ROLLING ROAD. A PUSH BUTTON ACTUATED ADVANCE PEDESTRIAN PHASE WILL OPERATE WITH THE SPLIT MOVEMENTS ON ROLLING RD TO CROSS MD 26.

CONTROLLER REQUIREMENTS:

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER SHALL BE USED.

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE SHA.

ITEM NO.	QUANTITY	DESCRIPTION
9001	1 EA	MAINTENANCE OF TRAFFIC
9002	1 EA	REMOVAL AND DISPOSAL OF EXISTING EQUIPMENT
9003	6 EA	8" VEHICULAR TRAFFIC SIGNAL SECTION
9004	10 EA	12" VEHICULAR TRAFFIC SIGNAL SECTION

GENERAL NOTES:

1. Original signal design, and construction by Baltimore County.
2. The signal shop shall preform the signal modification to the intersection Contact Ed Rodenhizer, signal operations at 410-787-7652, (72) seventy-two hours prior to notice to proceed.

CONSTRUCTION DETAILS

A. REMOVE AND INSTALL SIGNAL HEADS AND SIGNS; AS INDICATED, ON THE EXISTING MAST ARM. INSTALL THE PROPOSED EQUIPMENT IN THE SAME LOCATION AND WIRE WITH EXISTING CABLES.

B. USE THE EXISTING BASE- MOUNTED CONTROLLER AND CABINET TO MODIFY THE OPERATION OF ROLLING ROAD FROM EXCLUSIVE/PREMISSIVE LEFT TURNS TO A SPLIT PHASE OPERATION.

GEOMETRIC LEGEND
- EXISTING GEOMETRICS
- PROPOSED GEOMETRICS

UTILITY LEGEND
- G — GAS MAIN
- W — WATER MAIN
- S — SEWER MAIN
- E — ELECTRIC CABLES
- D — STORM DRAIN
- A — AERIAL CABLES
- T — TELEPHONE CABLES

REVISIONS		
A	7/03	Install advance pedestrian phase across MD 26.
B	8/27/04	Split operation for Rolling Road Work preformed by SIGNAL SHOP

EMM

APPROVALS: TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION; ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION; CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION; DIRECTOR, TRAFFIC & SAFETY

ORIGINAL

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS – PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21204

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

MD 26 (LIBERTY RD.) AND ROLLING ROAD

DRAWN BY:	J.E.S.	F.A.P. NO.		TS NO. 3970 (B)	SHEET NO.
CHECKED BY:		S.H.A. NO.			
SCALE:	1" = 20'	COUNTY:	Baltimore	T.I.M.S. NO. F-623	1 OF 1
DATE:	December 15, 1999	LOG MILE:	03026007.08		

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