PROPOSED SIGNS

20,21,23, 24,26,27,28 — ONLY — R 3-5(L) 30" x 36"

22,25 — Church RD — D-3(1) 16" x Var. (Dual Face)

32 — WEST MARYLAND 214 — Shield Assem. 30" x 51"

30 — EAST MARYLAND 214 — Shield Assem. 30" x 51"

29 — WEST MARYLAND 214 — Shield Assem. 48" x 75"

31 — EAST MARYLAND 214 — Shield Assem. 48" x 75"

PROPOSED CAMERAS

a,b,c,d,e,f

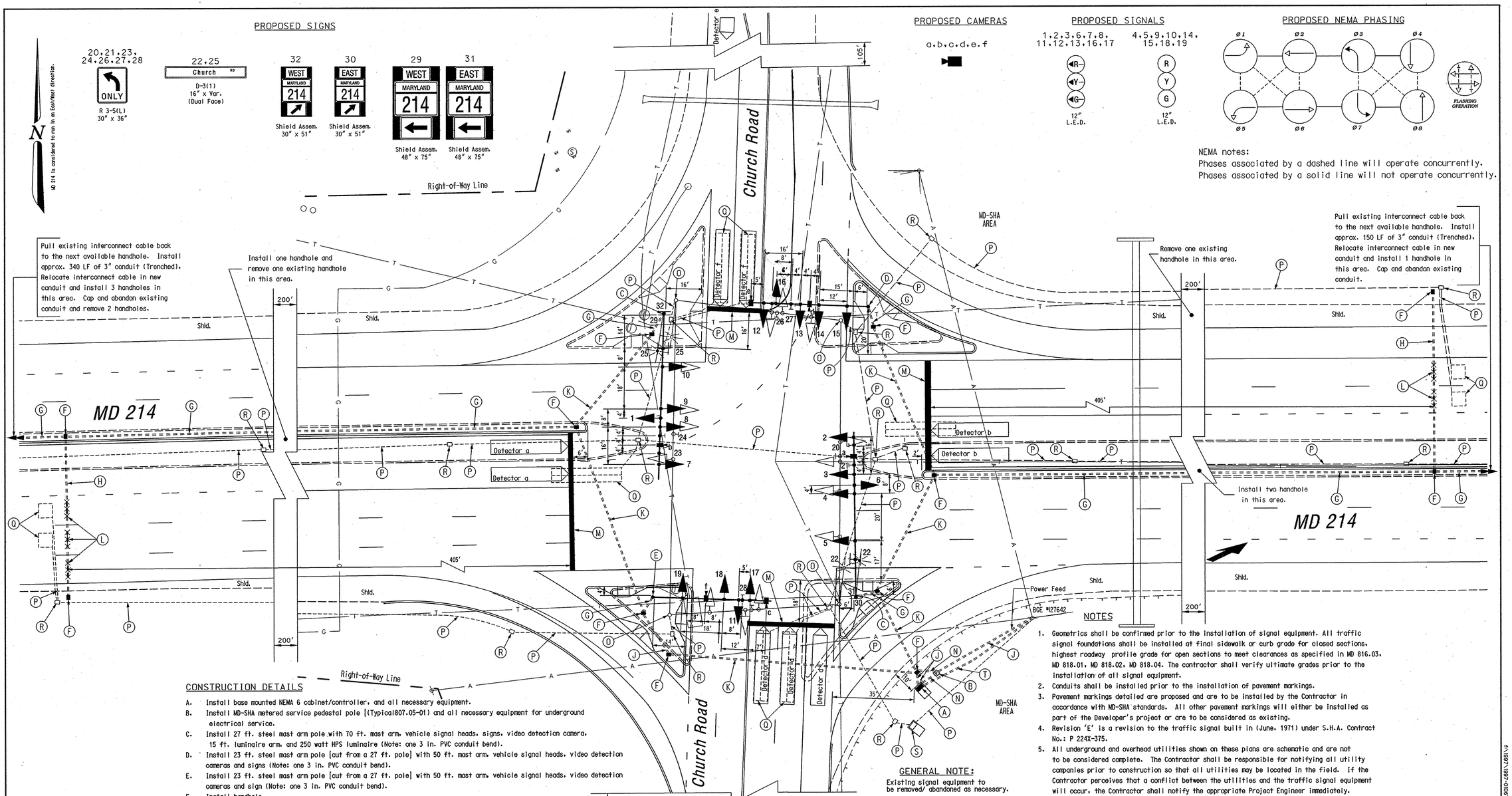
PROPOSED SIGNALS

1,2,3,6,7,8, 11,12,13,16,17 — R Y G — 12" L.E.D.

4,5,9,10,14, 15,18,19 — R Y G — 12" L.E.D.

PROPOSED NEMA PHASING

NEMA notes:
Phases associated by a dashed line will operate concurrently.
Phases associated by a solid line will not operate concurrently.



CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet/controller, and all necessary equipment.
B. Install MD-SHA metered service pedestal pole [(Typical807.05-01) and all necessary equipment for underground electrical service.
C. Install 27 ft. steel mast arm pole with 70 ft. mast arm, vehicle signal heads, signs, video detection camera, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
D. Install 23 ft. steel mast arm pole [cut from a 27 ft. pole] with 50 ft. mast arm, vehicle signal heads, video detection cameras and signs (Note: one 3 in. PVC conduit bend).
E. Install 23 ft. steel mast arm pole [cut from a 27 ft. pole] with 50 ft. mast arm, vehicle signal heads, video detection cameras and sign (Note: one 3 in. PVC conduit bend).
F. Install handhole.
G. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
H. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored
J. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
K. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
L. Install non-invasive mirco-loop probe (set of 3).
M. Install 24 in. wide pavement marking - white for stop line.
N. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched
O. Remove existing steel pole, span wire, signal heads and associated equipment.
P. Cap and abandon existing conduit.
Q. Abandon existing loop detector.
R. Remove existing handhole.
S. Remove existing base mounted cabinet. (Note: Controller and base cabinet to be returned to MD-SHA signal shop).
T. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit for telephone drop - trenched.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at 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.
2. Conduits shall be installed prior to the installation of pavement markings.
3. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with MD-SHA standards. All other pavement markings will either be installed as part of the Developer's project or are to be considered as existing.
4. Revision 'E' is a revision to the traffic signal built in (June, 1971) under S.H.A. Contract No.: P 224X-375.
5. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.

GENERAL NOTE:

Existing signal equipment to be removed/ abandoned as necessary.

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

Revision "E"

The Traffic Group
The Traffic Group, Inc.
410-931-6600
Fax 410-931-6601

REVISIONS

(E) Reconstruct traffic signal for NB,EB, and WB ∅s1, left turns. S.H.A. No.:IN939M82 June 9, 2006	HJK					
(D) January 15, 2003 Add Exclusive left turn Phasing S.H.A. No.:XX1065285	SRM	MR	DAZ	BRK		
(C) August 30, 2001 Add Interconnect Cable S.H.A. No.:XX 1085185	EMM	KLM	MAR	DAZ	BRK	TH
(B) November 20, 1996 Asbuilt S.H.A. No.:IT732-504-371	RRZ					

APPROVALS

ORIGINAL ON FILE

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)

MD 214 at Church Road

DRAWN BY:	M. Schneder	F.A.P. NO.	N/A	TS NO. 3322E	SHEET NO. 1 OF 4
CHECKED BY:		S.H.A. NO.	P 224X-375		
SCALE:	1" = 20'	COUNTY:	Prince George's	T.I.M.S. NO. H445	
DATE:	June 1, 1971	LOG MILE:	16021408.63		

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