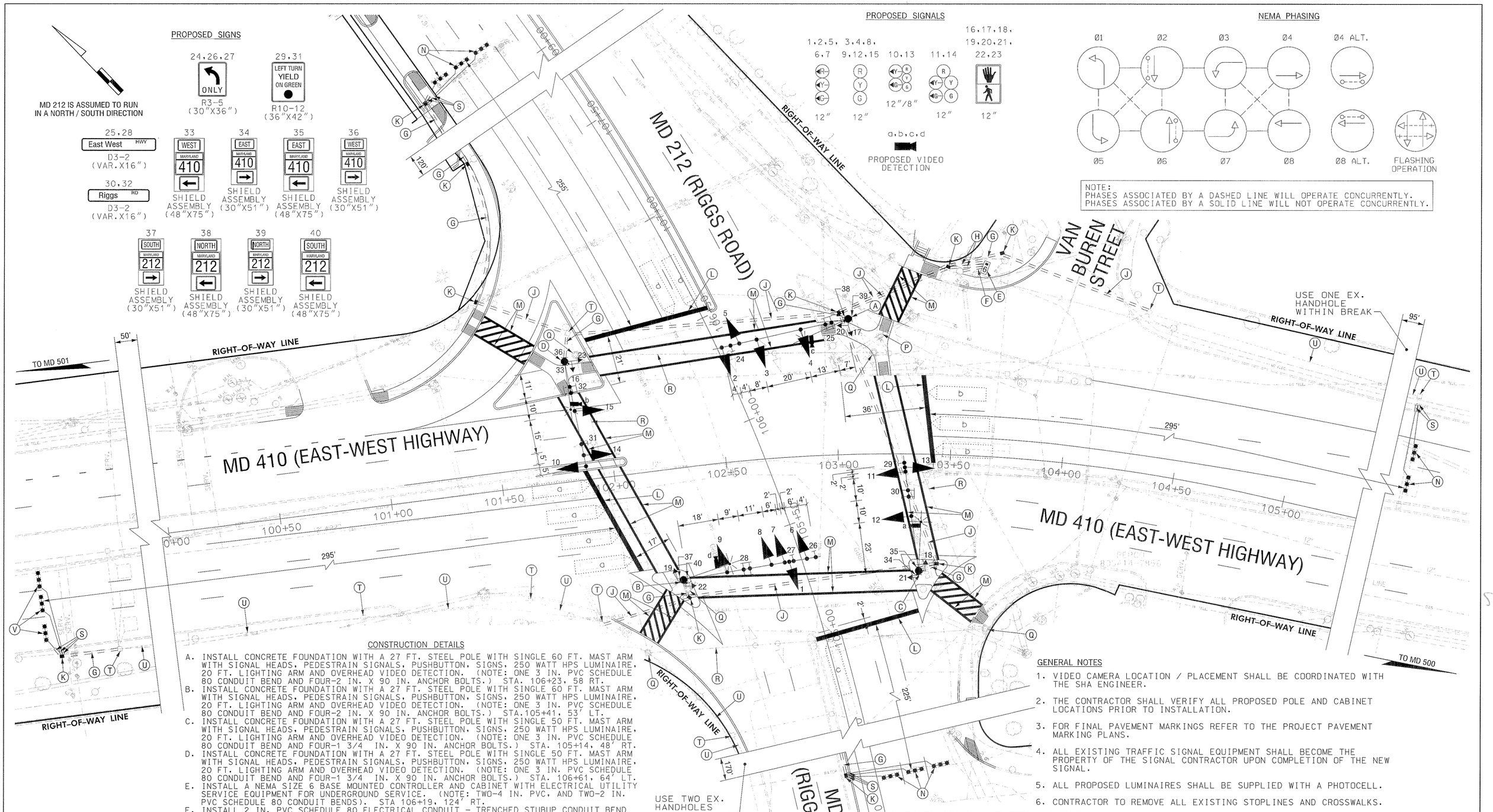

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH SINGLE 60 FT. MAST ARM WITH SIGNAL HEADS, PEDESTRAIN SIGNALS, PUSHBUTTON, SIGNS, 250 WATT HPS LUMINAIRE, 20 FT. LIGHTING ARM AND OVERHEAD VIDEO DETECTION. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR-2 IN. X 90 IN. ANCHOR BOLTS.) STA. 106+23, 58 RT.

B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH SINGLE 60 FT. MAST ARM WITH SIGNAL HEADS, PEDESTRAIN SIGNALS, PUSHBUTTON, SIGNS, 250 WATT HPS LUMINAIRE, 20 FT. LIGHTING ARM AND OVERHEAD VIDEO DETECTION. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR-2 IN. X 90 IN. ANCHOR BOLTS.) STA.105+41, 53' LT.

C. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH SINGLE 50 FT. MAST ARM WITH SIGNAL HEADS, PEDESTRAIN SIGNALS, PUSHBUTTON, SIGNS, 250 WATT HPS LUMINAIRE, 20 FT. LIGHTING ARM AND OVERHEAD VIDEO DETECTION. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR-1 3/4 IN. X 90 IN. ANCHOR BOLTS.) STA. 105+14, 48' RT.

D. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH SINGLE 50 FT. MAST ARM WITH SIGNAL HEADS, PEDESTRAIN SIGNALS, PUSHBUTTON, SIGNS, 250 WATT HPS LUMINAIRE, 20 FT. LIGHTING ARM AND OVERHEAD VIDEO DETECTION. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR-1 3/4 IN. X 90 IN. ANCHOR BOLTS.) STA. 106+61, 64' LT.

E. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS). STA 106+19, 124' RT.

F. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED STUBUP CONDUIT BEND AT BASE OF POWER POLE AND COIL UP 35 FT. OF SLACK CABLE.

G. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED

H. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.

K. INSTALL HANDHOLE.

L. INSTALL 24 IN. WHITE, REFLECTIVE, THERMOPLASTIC PAVEMENT MARKING TAPE FOR STOP LINE.

M. INSTALL 12 IN. WHITE, PAVEMENT MARKING TAPE FOR CROSSWALKS.

N. INSTALL MICRO-LOOP PROBE SET WITH 500 FT. LEAD-IN CABLE.

P. REMOVE EXISTING BASE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

Q. REMOVE EXISTING POLE AND FOUNDATION 12" BELOW GRADE AND BACKFILL.

R. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.

S. INSTALL 1IN. LIQUID TIGHT, FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT.(DETECTOR WIRE SLEEVE)

T. USE EXISTING HANDHOLE.

U. USE EXISTING CONDUIT.

V. INSTALL MICRO-LOOP PROBE SET WITH 1000 FT. LEAD-IN CABLE.

GENERAL NOTES

1. VIDEO CAMERA LOCATION / PLACEMENT SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. FOR FINAL PAVEMENT MARKINGS REFER TO THE PROJECT PAVEMENT MARKING PLANS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
6. CONTRACTOR TO REMOVE ALL EXISTING STOPLINES AND CROSSWALKS.

GEOMETRIC LEGEND

==========	EXISTING
————————	PROPOSED

UTILITY LEGEND

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

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REVISIONS	
©	04/18/02
	RECONSTRUCT SIGNAL AND MODIFY LT-TURN PHASING. SHA NO. PG3735176
SWA	DATE
(B)	03/00
	ADJUST SIGNAL HEADS, ADD LUMINAIRE. SHA NO. OT 1999-1
CJ	
(A)	10/23/98
	AS-BUILT SHA NO. PG1805171
RRZ	

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINATION FILE

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

MD 212 (RIGGS ROAD) AT MD 410 (EAST-WEST HIGHWAY)

DRAWN BY:	R.E. WATSON	F.A.P. NO.		TS NO. 1778 C	SHEET NO.
CHECKED BY:	H.J.K.	S.H.A. NO.	P 800-501-385		
SCALE:	1" = 20'	COUNTY:	PRINCE GEORGES	T.I.M.S. NO. D 486	OF
DATE:	5/30/80	LOG MILE:	16021201.26		