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

I-97 RAMP "A" CONNECTION ASSUMED TO RUN IN AN EAST-WEST DIRECTION

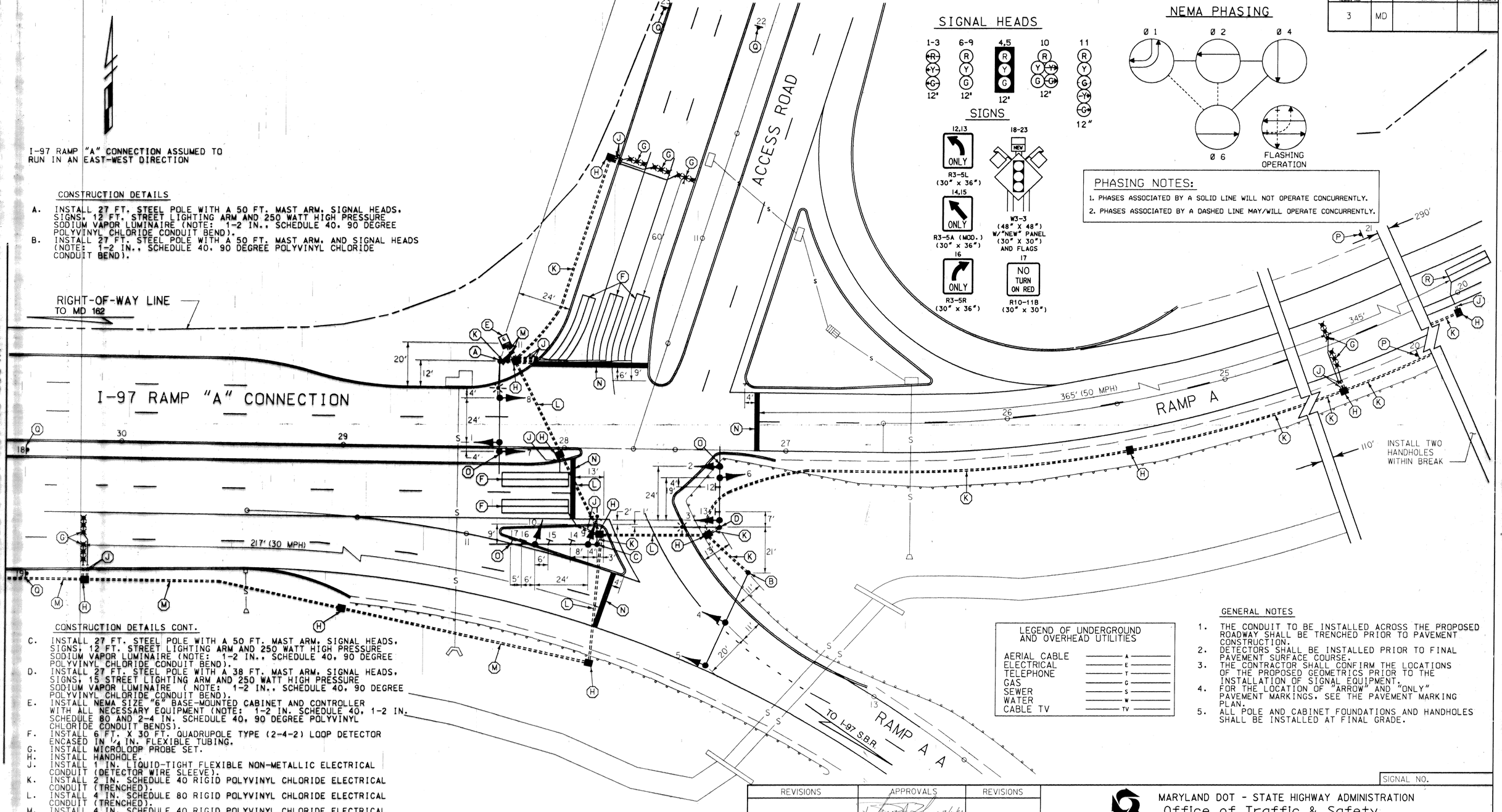
CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE WITH A 50 FT. MAST ARM, SIGNAL HEADS, SIGNS, 12 FT. STREET LIGHTING ARM AND 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE (NOTE: 1-2 IN., SCHEDULE 40, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND).
B. INSTALL 27 FT. STEEL POLE WITH A 50 FT. MAST ARM, AND SIGNAL HEADS (NOTE: 1-2 IN., SCHEDULE 40, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND).

CONSTRUCTION DETAILS CONT.

C. INSTALL 27 FT. STEEL POLE WITH A 50 FT. MAST ARM, SIGNAL HEADS, SIGNS, 12 FT. STREET LIGHTING ARM AND 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE (NOTE: 1-2 IN., SCHEDULE 40, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND).
D. INSTALL 27 FT. STEEL POLE WITH A 38 FT. MAST ARM, SIGNAL HEADS, SIGNS, 15 STREET LIGHTING ARM AND 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE (NOTE: 1-2 IN., SCHEDULE 40, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND).
E. INSTALL NEMA SIZE "6" BASE-MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 1-2 IN. SCHEDULE 40, 1-2 IN. SCHEDULE 80 AND 2-4 IN. SCHEDULE 40, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS).
F. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE (2-4-2) LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
G. INSTALL MICROLOOP PROBE SET.
H. INSTALL HANDHOLE.
J. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
K. INSTALL 2 IN. SCHEDULE 40 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
L. INSTALL 4 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
M. INSTALL 4 IN. SCHEDULE 40 RIGID POLYVINYL CHLORIDE ELECTRICAL (TRENCHED).
N. INSTALL 24 IN. PERMANENT PREFORMED PAVEMENT MARKING TAPE (STOP LINE).
O. CUT, CLEAN, GALVANIZE, AND CAP MAST ARM.
P. INSTALL W3-3 "SIGNAL AHEAD" SIGN WITH "NEW" PANEL AND FLAGS ON TWO 4 IN. X 4 IN. TREATED WOOD POSTS APPROXIMATELY 625 FT. IN ADVANCE OF THE INTERSECTION.
Q. INSTALL W3-3 "SIGNAL AHEAD" SIGN WITH "NEW" PANEL AND FLAGS ON TWO 4 IN. X 4 IN. TREATED WOOD POSTS APPROXIMATELY 325 FT. IN ADVANCE OF THE INTERSECTION.
R. INSTALL 6 FT. X 20 FT. QUADRUPOLE TYPE LOOP DETECTOR (2-4-2) ENCASED IN 1/4 IN. FLEXIBLE TUBING.

MATCH LINE - SEE SHEET NO. TS-3584A



SIGNAL HEADS

SIGNS

NEMA PHASING

PHASING NOTES:

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

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

GENERAL NOTES

1. THE CONDUIT TO BE INSTALLED ACROSS THE PROPOSED ROADWAY SHALL BE TRENCHED PRIOR TO PAVEMENT CONSTRUCTION.
2. DETECTORS SHALL BE INSTALLED PRIOR TO FINAL PAVEMENT SURFACE COURSE.
3. THE CONTRACTOR SHALL CONFIRM THE LOCATIONS OF THE PROPOSED GEOMETRICS PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
4. FOR THE LOCATION OF "ARROW" AND "ONLY" PAVEMENT MARKINGS, SEE THE PAVEMENT MARKING PLAN.
5. ALL POLE AND CABINET FOUNDATIONS AND HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.

SIGNAL NO.

REVISIONS	APPROVALS	REVISIONS
	CHIEF, SIGNAL DESIGN SECTION 2/12/96	
	ASST. DISTRICT ENGINEER, TRAFFIC	
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION 2/12/96	
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY 2/14/96	

WR&A
Whitman, Requardt and Associates
Engineers and Planners
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450

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

I-97 RAMP CONNECTION AND ACCESS ROAD

DATE:	2-8-96	DRAWN BY:	S. BLOSS	F.A.P. NO.		PLAN SHEET NO.:	TS-3583	SHEET NO. ____ OF ____
SCALE:	1"=20'	DESIGNED BY:	T. ZAYDEL	S.H.A. NO.	AW 893-251-572			
APPROVED BY:		CHECKED BY:	T. HANNAN	COUNTY	ANNE ARUNDEL			

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