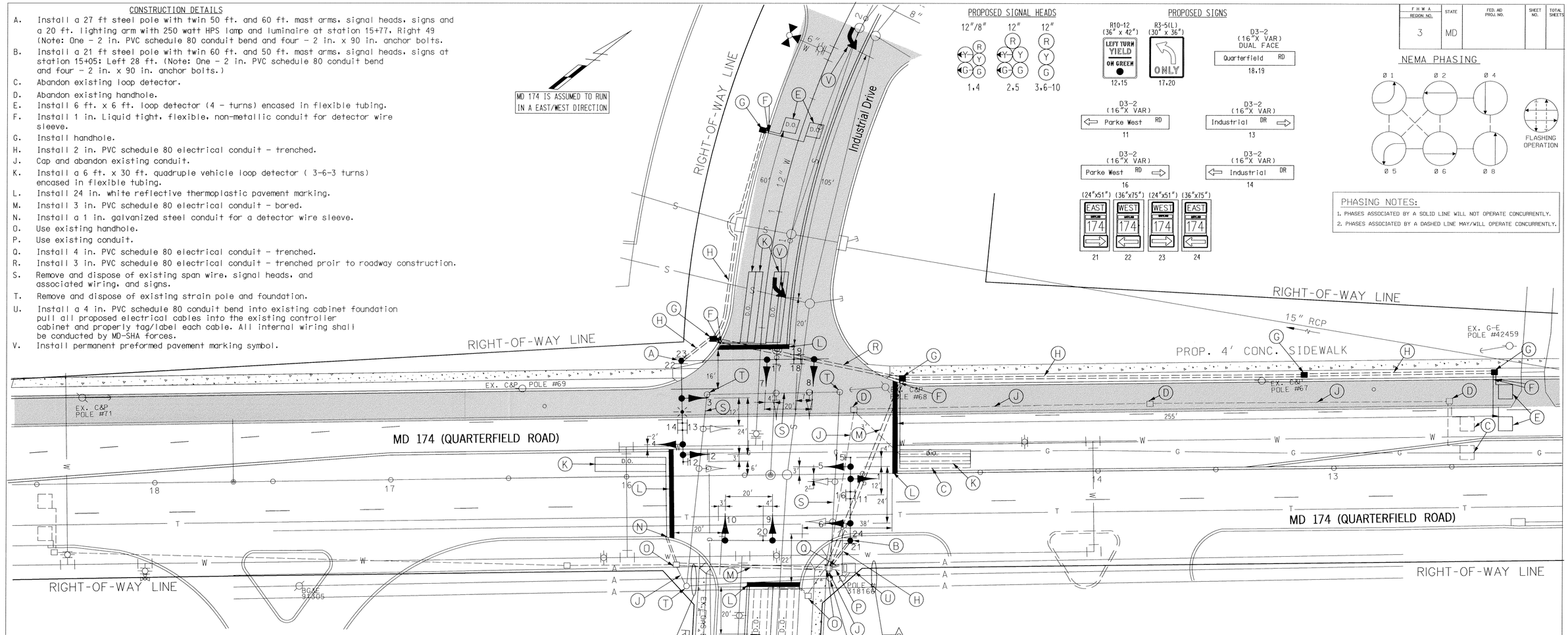
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

CONSTRUCTION DETAILS

A. Install a 27 ft steel pole with twin 50 ft. and 60 ft. mast arms, signal heads, signs and a 20 ft. lighting arm with 250 watt HPS lamp and luminaire at station 15+77, Right 49 (Note: One - 2 in. PVC schedule 80 conduit bend and four - 2 in. x 90 in. anchor bolts.
B. Install a 21 ft steel pole with twin 60 ft. and 50 ft. mast arms, signal heads, signs at station 15+05: Left 28 ft. (Note: One - 2 in. PVC schedule 80 conduit bend and four - 2 in. x 90 in. anchor bolts.)
C. Abandon existing loop detector.
D. Abandon existing handhole.
E. Install 6 ft. x 6 ft. loop detector (4 - turns) encased in flexible tubing.
F. Install 1 in. Liquid tight, flexible, non-metallic conduit for detector wire sleeve.
G. Install handhole.
H. Install 2 in. PVC schedule 80 electrical conduit - trenched.
J. Cap and abandon existing conduit.
K. Install a 6 ft. x 30 ft. quadruple vehicle loop detector (3-6-3 turns) encased in flexible tubing.
L. Install 24 in. white reflective thermoplastic pavement marking.
M. Install 3 in. PVC schedule 80 electrical conduit - bored.
N. Install a 1 in. galvanized steel conduit for a detector wire sleeve.
O. Use existing handhole.
P. Use existing conduit.
Q. Install 4 in. PVC schedule 80 electrical conduit - trenched.
R. Install 3 in. PVC schedule 80 electrical conduit - trenched proir to roadway construction.
S. Remove and dispose of existing span wire, signal heads, and associated wiring, and signs.
T. Remove and dispose of existing strain pole and foundation.
U. Install a 4 in. PVC schedule 80 conduit bend into existing cabinet foundation pull all proposed electrical cables into the existing controller cabinet and properly tag/label each cable. All internal wiring shall be conducted by MD-SHA forces.
V. Install permanent preformed pavement marking symbol.



PROPOSED SIGNAL HEADS

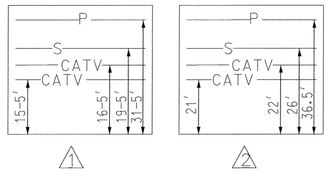
PROPOSED SIGNS

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.

AERIAL CABLE HEIGHTS



PROPOSED SIDEWALK CONSTRUCTION

PROPOSED ROADWAY CONSTRUCTION

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

GENERAL NOTES

1. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH SHA STANDARDS. REFER TO PAVEMENT MARKING PLAN FOR ADDITIONAL DETAILS.
2. "D.O." INDICATES DELAY OUTPUT LOOP DETECTOR.
3. THE LOOP DETECTORS AND CONDUITS MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
4. CONTRACTOR MUST VERIFY LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
5. ALL TRAFFIC SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.

WELLS & ASSOCIATES, LLC.
TRANSPORTATION, TRAFFIC, AND PARKING CONSULTANTS
1428 Spring Hill Road, Suite 600, McLean, Virginia 22102 Phone: 703-917-6506 Facsimile: 703-917-8725
2661 Riva Road, Suite 300, Annapolis, Maryland 21401 Phone: 410-266-0703 Facsimile: 410-266-1051
428 Virginia Avenue, Towson, Maryland 21286 Phone: 410-825-2517 Facsimile: 410-825-2517

REVISIONS

A	RECONSTRUCT SIGNAL DUE TO GEOMETRIC IMPROVEMENTS ADD NORTH LEG.	JJA		6/98	

APPROVALS

ASST. DIVISION CHIEF, TEDD

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

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

MD 174 (Quarterfield Road) AT Parke West Rd/ Industrial Drive

LOG MILE #: 02017402.19 DATE 8 /31/ 77

DRAWN BY: K.G.A.	F.A.P. NO.		PLAN SHEET NO.: TS 1908A	SHEET NO. 1 OF 3
CHECK BY: Bruce Thompson	S.H.A. NO.			
SCALE: 1" = 20'	COUNTY	ANNE ARUNDEL		

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