DRILL HOLES

BORDER REV: DATE: June 1, 2004

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES REPLACING THE EXISTING NORTHBOUND HAZARD IDENTIFICATION BEACON (H.I.B.) AT THE INTERSECTION OF US 40 ALT (NATIONAL PIKE) AT US 219 N. (CHESTNUT RIDGE ROAD) IN GARRETT COUNTY. GEOMETRIC MODIFICATIONS APPROXIMATELY 500 FEET SOUTH OF THE INTERSECTION ARE PROPOSED TO PROVIDE A DECELERATION/ACCELERATION LANE FOR AN ADJACENT PROPERTY. THE ROADWAY WIDENING WILL IMPACT THE EXISTING H.I.B.. ALL EXISTING DETECTION AND TRAFFIC SIGNAL HEADS ALONG US 40 ALT AND US 219 N. WILL REMAIN. US 40 ALT IS ASSUMED TO RUN IN A EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA SIX (6) PHASE, FULL-TRAFFIC ACTUATED MODE. THE US 40 ALT THROUGH MOVEMENTS WILL CONTINUE TO OPERATE CONCURRENTLY. THE US 219 MOVEMENTS WILL CONTINUE TO OPERATE CONCURRENTLY.

CONTROLLER REQUIREMENTS

THE EXISTING POLE MOUNTED TRAFFIC SIGNAL CONTROLLER WILL REMAIN AT THE INTERSECTION OF US 40 ALT AT US 219 N.

THE SHA SIGNAL SHOP WILL INSTALL A 2-CIRCUIT FLASHER IN THE EXISTING POLE MOUNTED CABINET.

THE CONTACT PERSONS FOR DISTRICT #6 ARE AS FOLLOWS:

Mr. George Small
Assistant District Engineer - Traffic
Phone: 301-729-8444

Mr. Robert Rowan
Utility Engineer
Phone: 301-729-8439

Mr. George Frankenberry
Assistant District Engineer - Maintenance
Phone: 301-729-8457

Mr. Richard L. Daff Sr.
Chief, Traffic Operations Division
Phone: 410-787-7630

Mr. Edward Rodenhizer
Chief, SHA Traffic Signal Shop
Phone: 410-787-7652

The Power Company Representative is:
Allegheny Power
800 Cabin Hill Drive
Greensburg, PA 15601
Phone: 1-800-255-3443

EQUIPMENT LIST 'A'

APPROVED SHA EQUIPMENT TO BE PURCHASED BY THE DEVELOPER AND INSTALLED BY THE CONTRACTOR. ALL EQUIPMENT IN THIS LIST SHALL HAVE CATALOG CUTS SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.

CAT CODE	QUANTITY	DESCRIPTION
800000	16 SF	FURNISH AND INSTALL SHEET ALUMINUM SIGNS - MAST ARM/GROUND MOUNT
		1 EA - W3-3 (48"x48") FY
818030	1 EA	21 FOOT STEEL POLE WITH A SINGLE 38 FOOT MAST ARM
860284	2 EA	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
900000	1 EA	2-CIRCUIT FLASHER

EQUIPMENT LIST 'B'

EQUIPMENT TO BE PURCHASED BY THE DEVELOPER AND INSTALLED BY THE CONTRACTOR. ALL EQUIPMENT IN THIS LIST SHALL HAVE CATALOG CUTS SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.

CAT CODE	QUANTITY	DESCRIPTION
120500	1 LS	MAINTENANCE OF TRAFFIC
203030	1 CY	TEST PIT EXCAVATION
800000	1 LS	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
801004	3 CY	CONCRETE FOR SIGNAL FOUNDATION
802501	600 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805135	375 LF	3 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
811011	2 EA	ELECTRICAL HANDHOLE
822500	1 EA	AS BUILT FOR SHA ON CADD
837001	1 EA	GROUND ROD - 3/4 INCH DIAMETER BY 10 FOOT LENGTH
861118	750 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 10 AWG)

EQUIPMENT LIST 'C'

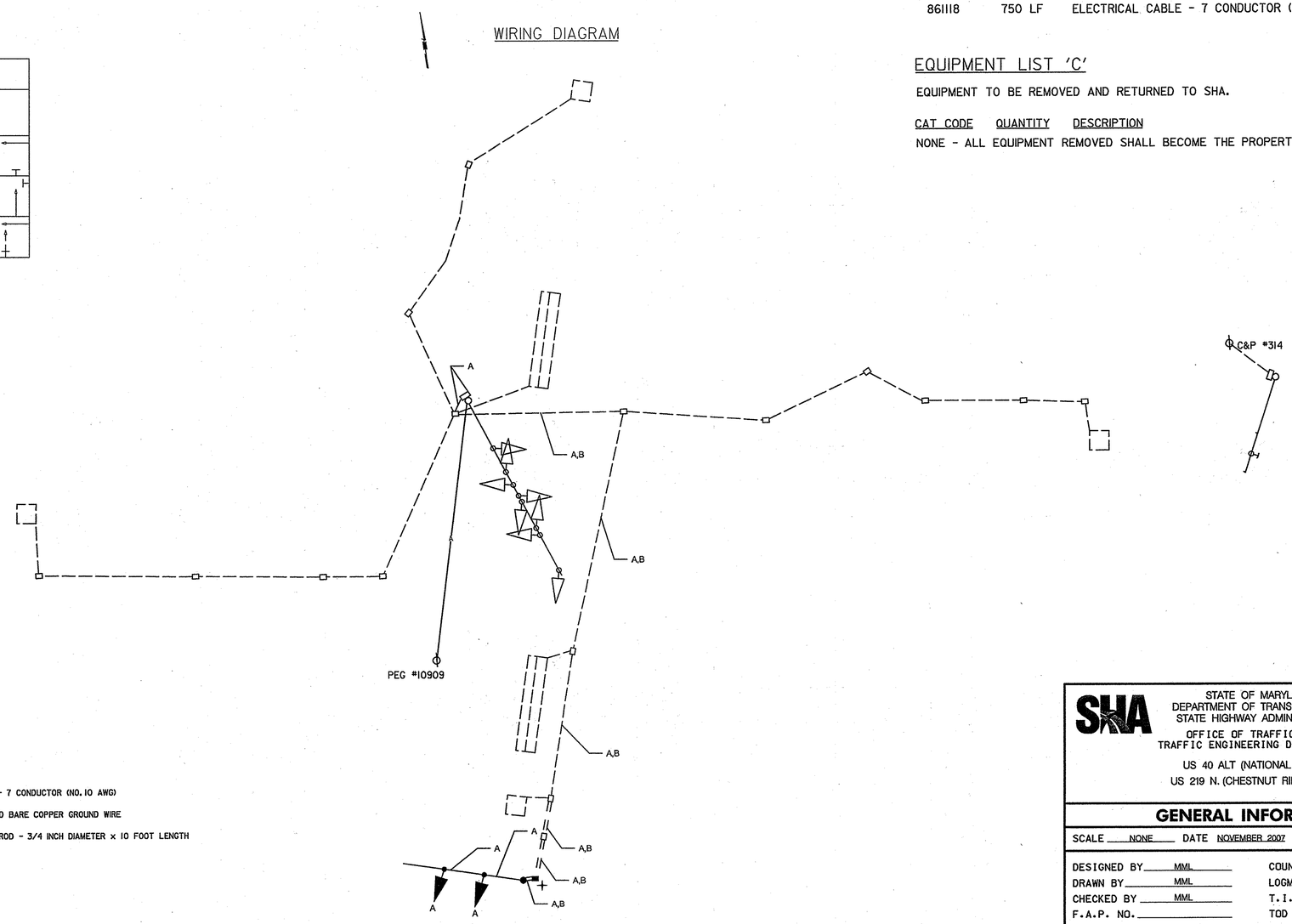
EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

CAT CODE	QUANTITY	DESCRIPTION
NONE - ALL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR		

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12
PHASE 2 + 6	G	G	FL/Y	FL/Y	G	G	FL/Y	FL/Y	R	R	R	R
PHASE 2 + 6 CHANGE	Y	Y	FL/Y	FL/Y	Y	Y	FL/Y	FL/Y	R	R	R	R
PHASE 4 + 8	R	R	FL/Y	FL/Y	R	R	FL/Y	FL/Y	G	G	G	G
PHASE 4 + 8 CHANGE	R	R	FL/Y	FL/Y	R	R	FL/Y	FL/Y	Y	Y	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

WIRING DIAGRAM



A - ELECTRICAL CABLE - 7 CONDUCTOR (NO. 10 AWG)

B - NO. 6 AWG STRANDED BARE COPPER GROUND WIRE

+ - PROPOSED GROUND ROD - 3/4 INCH DIAMETER x 10 FOOT LENGTH

LENHART TRAFFIC CONSULTING
TRAFFIC ENGINEERING & TRANSPORTATION PLANNING

331 Redwood Grove Court Millersville, Maryland 21108
Tel: (410) 987-3888 Fax: (443) 782-2288

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

US 40 ALT (NATIONAL PIKE) AT
US 219 N. (CHESTNUT RIDGE ROAD)

GENERAL INFORMATION

SCALE NONE DATE NOVEMBER 2007 CONTRACT NO. BW996M82

DESIGNED BY MML
DRAWN BY MML
CHECKED BY MML
F.A.P. NO.

COUNTY GARRETT
LOGMILE 11004008.71
T.I.M.S. NO. ~~1996~~ I799
TOD NO.

DRAWING NO. TS-2068A OF

SHEET NO. 2 OF 2

PLOTTED: TUESDAY, NOVEMBER 06, 2007 AT 06:02 PM
FILE: C:\DOCUMENTS AND SETTINGS\MIKE\MY DOCUMENTS\BRIAN\MD 219\PSG-N000_MD219.DGN