

CAP CONDUIT END FOR FUTURE USE.

STA. 10+90 RT. 8'
LIGHT POLE # 18 & 250 WATT LUMINAIRE ON 6' BRACKET.

STA. 9+50 RT. 8'
LIGHT POLE # 17 & 250 WATT LUMINAIRE ON 6' BRACKET.

STA. 8+10 RT. 8'
LIGHT POLE # 16 & 400 WATT LUMINAIRE ON 6' BRACKET.

STA. 6+65 RT. 38'
LIGHT POLE # 15 & 400 WATT LUMINAIRES ON TWIN 8' FOOT BRACKETS 180° APART.

PULL BOX # 3
FUTURE AREA LIGHT CONNECTION.

STA. 5+31 RT. 38'
LIGHT POLE # 14 & 400 WATT LUMINAIRES ON TWIN 8' BRACKETS.

PULL BOX # 2
EXTEND CONDUIT TO & THROUGH BUILDING FOUNDATION TO SWITCH PANEL.

STA. 3+97 RT. 38'
LIGHT POLE # 13 & 400 WATT LUMINAIRES ON TWIN 8' BRACKETS.

8" # 1/2" B
ELEV. 531.08
CH. D. 20' CV. BO.

STA. 2+50 RT. 8'
LIGHT POLE # 12 & 400 WATT LUMINAIRE ON 6' BRACKET.

STA. 1+05 RT. 8'
LIGHT POLE # 11 & 250 WATT LUMINAIRE ON 6' BRACKET.

CAP CONDUIT END FOR FUTURE USE.

NOTES - STREET LIGHTING - ITEM 679

All materials and construction shall conform with current Vermont Department of Highways Standard Specifications, and the American Standards Association's standard practice for roadway lighting.

Light poles, brackets, and pole bases shall be aluminum or stainless steel. Poles are to be tapered. Brackets are to be a single elliptical tube or a round tube truss design as shown on standard sheet E-38.

Pole bases are to be either a frangible cast flange base, aluminum alloy 356-T6, of an accepted breakaway design, or a stainless steel slip joint type of a tested and accepted design. Cast aluminum bases shall be attached to the shaft by the continuous welds or by bonding with epoxy resin. When epoxy resin is used the aluminum shaft slip fits over the base to overlap a full 12 inches.

All luminaires on this project are to be mounted on brackets of indicated lengths and 30 feet above the pavement unless indicated otherwise.

All luminaires shall be mercury vapor street lighting units with photoelectric control. All 400 watt units shall be A.S.A., Type 11 medium seal-off unless indicated otherwise. All 250 watt units shall be A.S.A., Type 11 medium seal-off unless indicated otherwise.

Conduit for direct burial shall be hot-dip galvanized steel, Schedule 40 or at least a nominal two-inch size.

Unsupported wire in a street lighting pole shall be a stranded wire not smaller than 10 AWG. Wire size for underground construction shall not be smaller than 16 AWG copper. Aluminum wire of a size having equivalent or greater electrical carrying capacity and meeting the approval of the local utility company may be substituted for copper wire.

The new street lighting circuit shall be a single phase 120-240 volt, 3-wire distribution system. The neutral wire shall be bonded to the ground wire at each luminaire pole base.

GEORGIA
FAIRFAX

TOWN
LINE

TOWN
LINE

ROW
FN

UNDERGROUND TELEPHONE CABLE

14
100

REST AREA
STREET LIGHTING ITEM 679

SCALE 1"=40'

SOUTHBOUND REST AREA

DESIGNED BY: []
DRAWN BY: []
CHECKED BY: []
DATE: 12/20/07

PROJECT: GEORGIA - FAIRFAX
NO. 88-31501
SHEET 7 OF 15