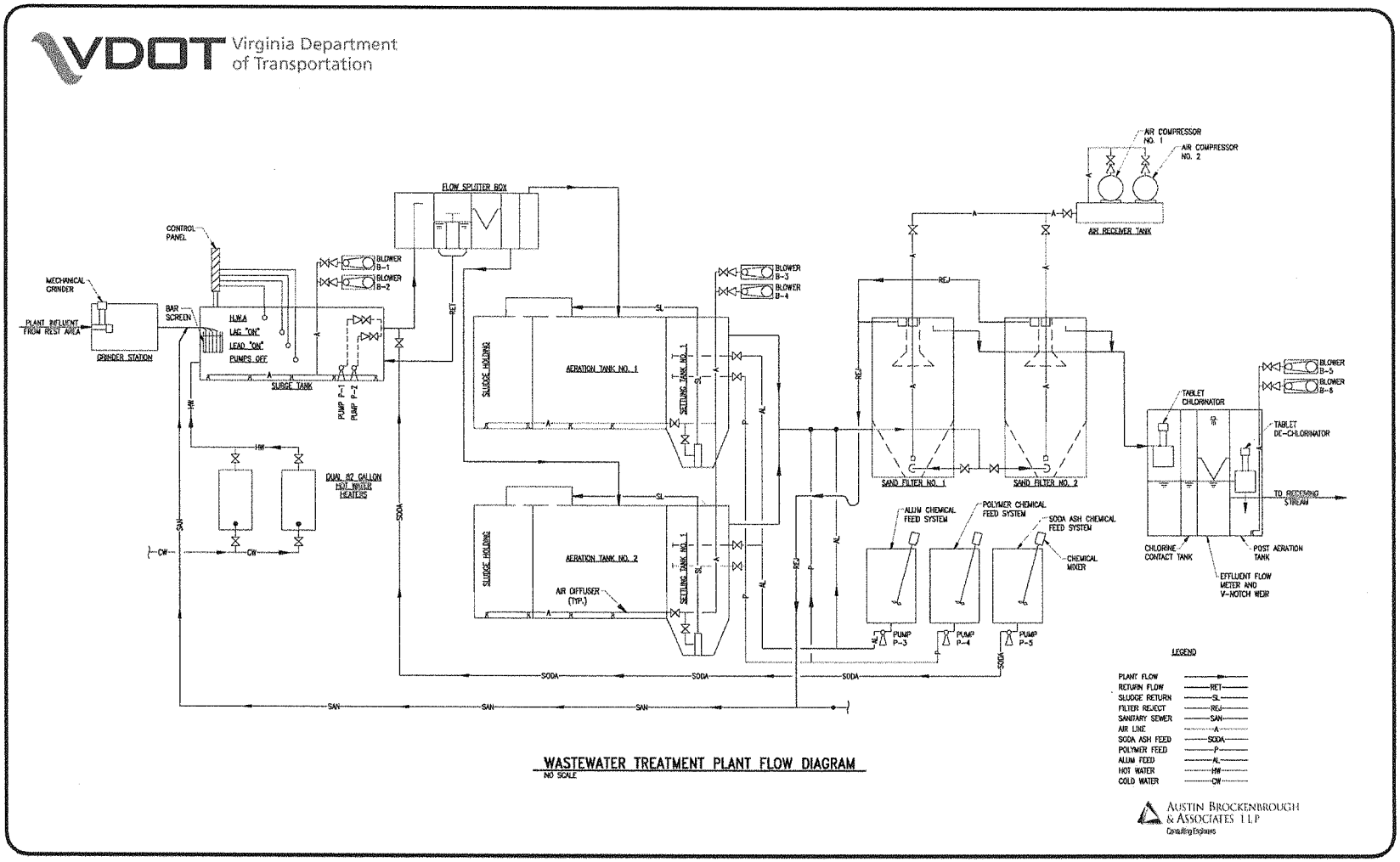
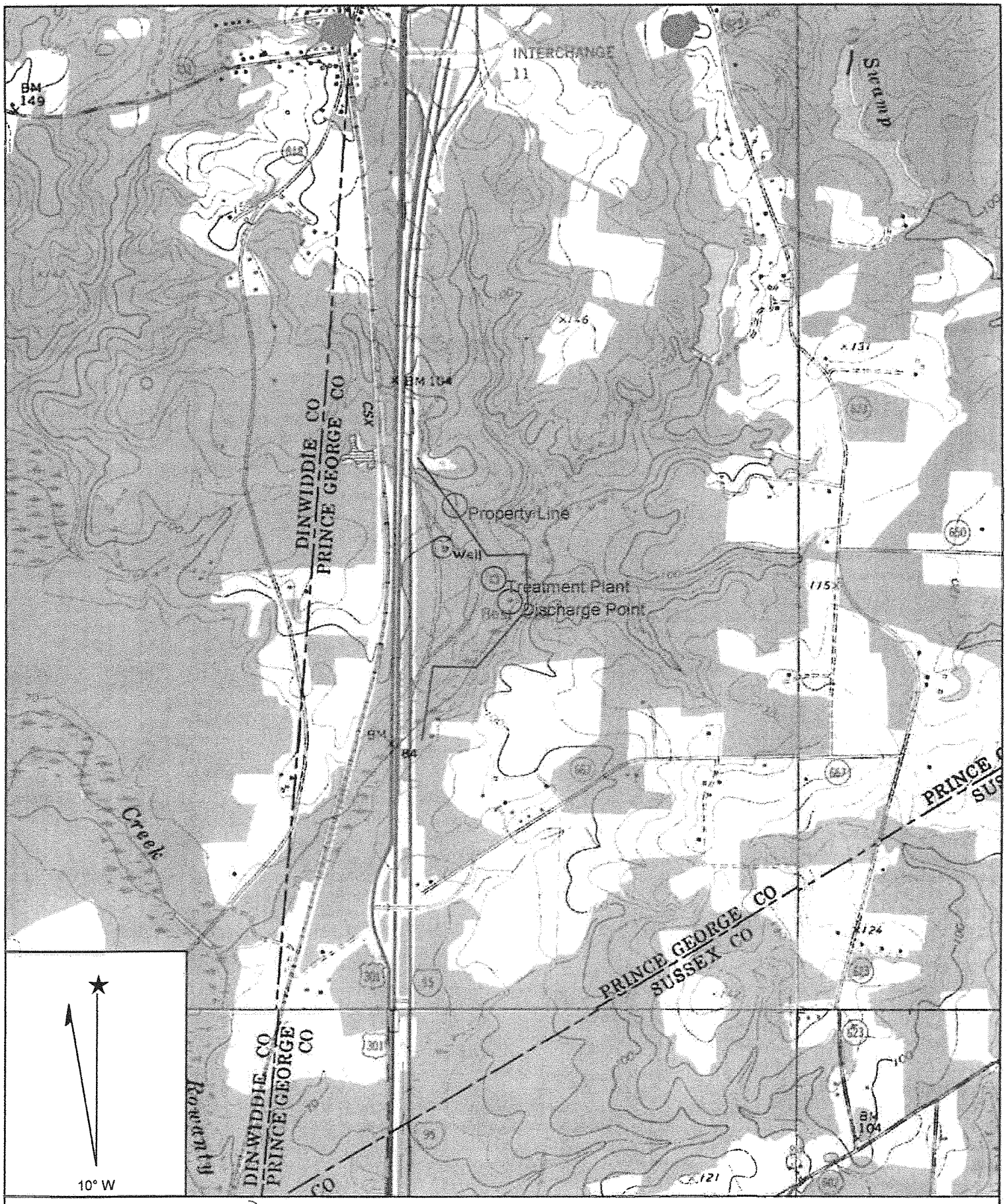

VDOT Virginia Department of Transportation
WASTEWATER TREATMENT PLANT FLOW DIAGRAM
NO SCALE
PLANT INFLUENT FROM REST AREA
MECHANICAL GRINDER
GRINDER STATION
BAR SCREEN
CONTROL PANEL
H.W.A
LAG "ON"
LEAD "ON"
PUMPS OFF
SURGE TANK
PUMP P-1
PUMP P-2
BLOWER B-1
BLOWER B-2
FLOW SPLITTER BOX
DUAL 82 GALLON HOT WATER HEATERS
SLUDGE HOLDING
AERATION TANK NO. 1
AERATION TANK NO. 2
SETTLING TANK NO. 1
AIR DIFFUSER (TYP.)
BLOWER B-3
BLOWER B-4
AIR COMPRESSOR NO. 1
AIR COMPRESSOR NO. 2
AIR RECEIVER TANK
SAND FILTER NO. 1
SAND FILTER NO. 2
ALUM CHEMICAL FEED SYSTEM
POLYMER CHEMICAL FEED SYSTEM
SODA ASH CHEMICAL FEED SYSTEM
CHEMICAL MIXER
PUMP P-3
PUMP P-4
PUMP P-5
BLOWER B-5
BLOWER B-6
TABLET CHLORINATOR
TABLET DE-CHLORINATOR
TO RECEIVING STREAM
CHLORINE CONTACT TANK
POST AERATION TANK
EFFLUENT FLOW METER AND V-NOTCH WEIR
LEGEND
PLANT FLOW
RETURN FLOW RET
SLUDGE RETURN SL
FILTER REJECT REJ
SANITARY SEWER SAN
AIR LINE A
SODA ASH FEED SODA
POLYMER FEED P
ALUM FEED AL
HOT WATER HW
COLD WATER CW
AUSTIN BROCKENBROUGH & ASSOCIATES LLP
Consulting Engineers

Figure 3.1



Name: CARSON (069-C)
Date: 3/7/2006
Scale: 1 inch equals 1600 feet

Location: 037° 00' 53.0" N 077° 23' 17.3" W
Caption: Rest Area Discharge

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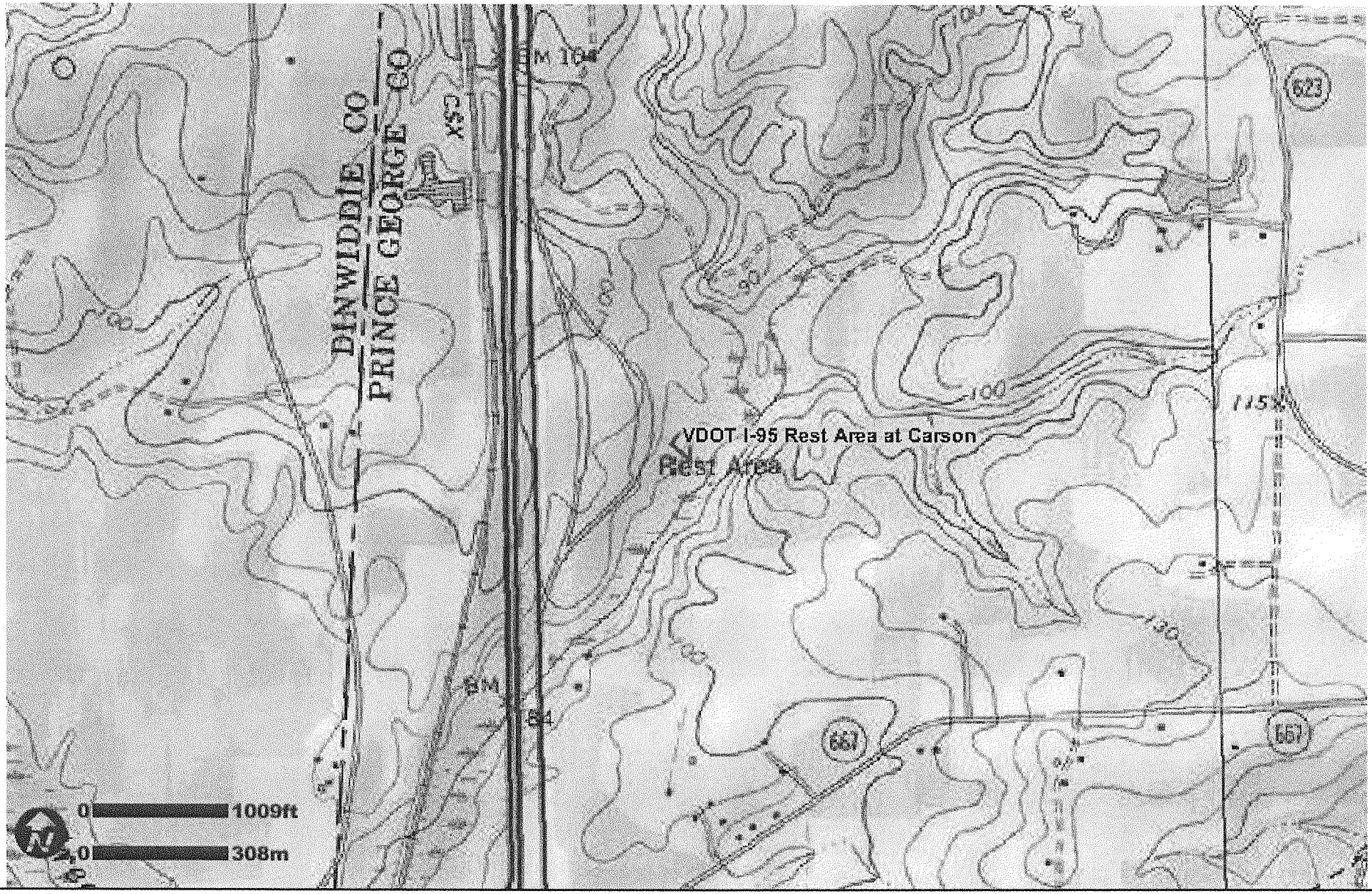

Quads: CARSON

Counties: Prince George

VDOT I-95 Rest Area at Carson

Company: DEQ-Piedmont Regional Office

Lat/Long: 370054/772317