

STATE STORMWATER PERMIT NO
FEMA → NOT IN FLOOD ZONE
Potential Culvert site
OFFICE EST. MIN. BRIDGE = 100'

PREDESIGN-PRESURVEY REPORT

Project# _____
TIP# _____
Let Date _____
WBS# _____

County ALEXANDER

Bridge# 87
Road# SR 1337 (SILAS DEAL RD.)
Stream KIRBY CREEK (LIST) (QIR)
GRASSY CREEK (QUAD) (ENV. MAP)
(FIRM MAP)

Type Of Request: POC Force Account TIP

Date 2/18/2010 Name JVP

Assigned To _____

Checked By _____

Prior Survey Date YES 12-81 (attach copy of prior survey) D-123 X 87"

(PRIOR SURVEY NOT IN FILE)

Study By Scour Section _____

Flood Zone NO Detail Study N/A Date 12/18/2007 Panel# 3852 ATTACH COPY

B.M. Info _____

Quad Map MORAVIAN FALLS Drainage Area 2.9 MI² From QUAD

Q25 950 CFS Q50 _____ Q100 1450 CFS Method USGS REG

Greenfile (USGS REG) Environmental Document _____

EXISTING BRIDGE INFORMATION

Location 0.2 MI. S. SCT. NC 16

Average Daily Traffic 220/2004

Length 80' Bed- To Crown 24' Water Depth 1'

Type Structure STEEL PLANK DECK ON I-BEAMS, E.BTS. : TIMBER CAPS, PILES, INTBTS. : TIMBER CAPS, POSTS & CONC. SILLS

Type Spans 1 @ 25'3", 1 @ 30'0", 1 @ 25'3"

Upstream Structure _____

Location _____

Bed- To Crown _____ Prior Survey _____

Downstream Structure _____

Location _____

Bed- To Crown _____ Prior Survey _____

SCS Watershed _____

ENVIRONMENTAL

Trout Stream NO Anadromous Fish NO Primary Nursery Area NO

High Quality Waters NO Nutrient Sensitive Waters NO

Near Water Supply Intake NO CAMA County N/A

Stream Classification C

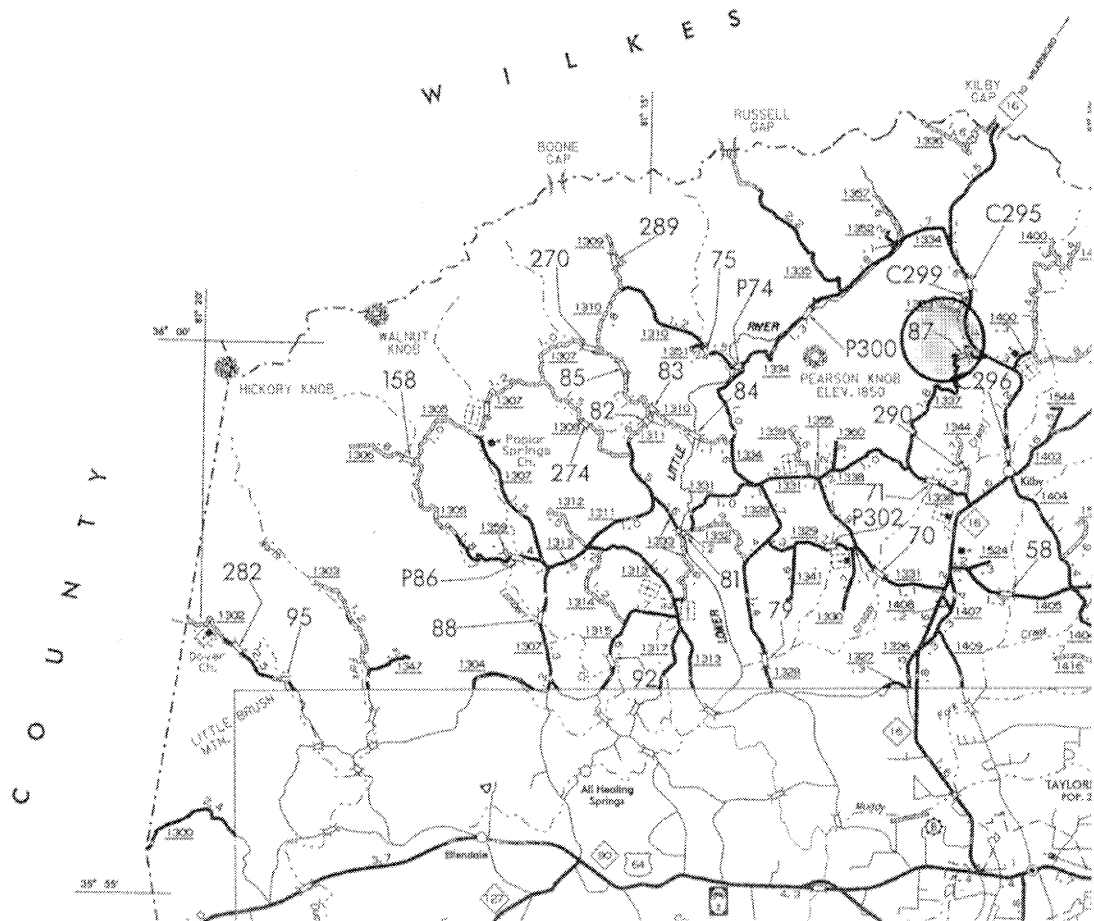
DENR River Basin Info. CATAWBA RIVER

MIN. BRIDGE = ~ 100'

3

4

5



PANEL
3852



3984 000 M
36°0'00"

JOINS PANEL 3842

SR 1337

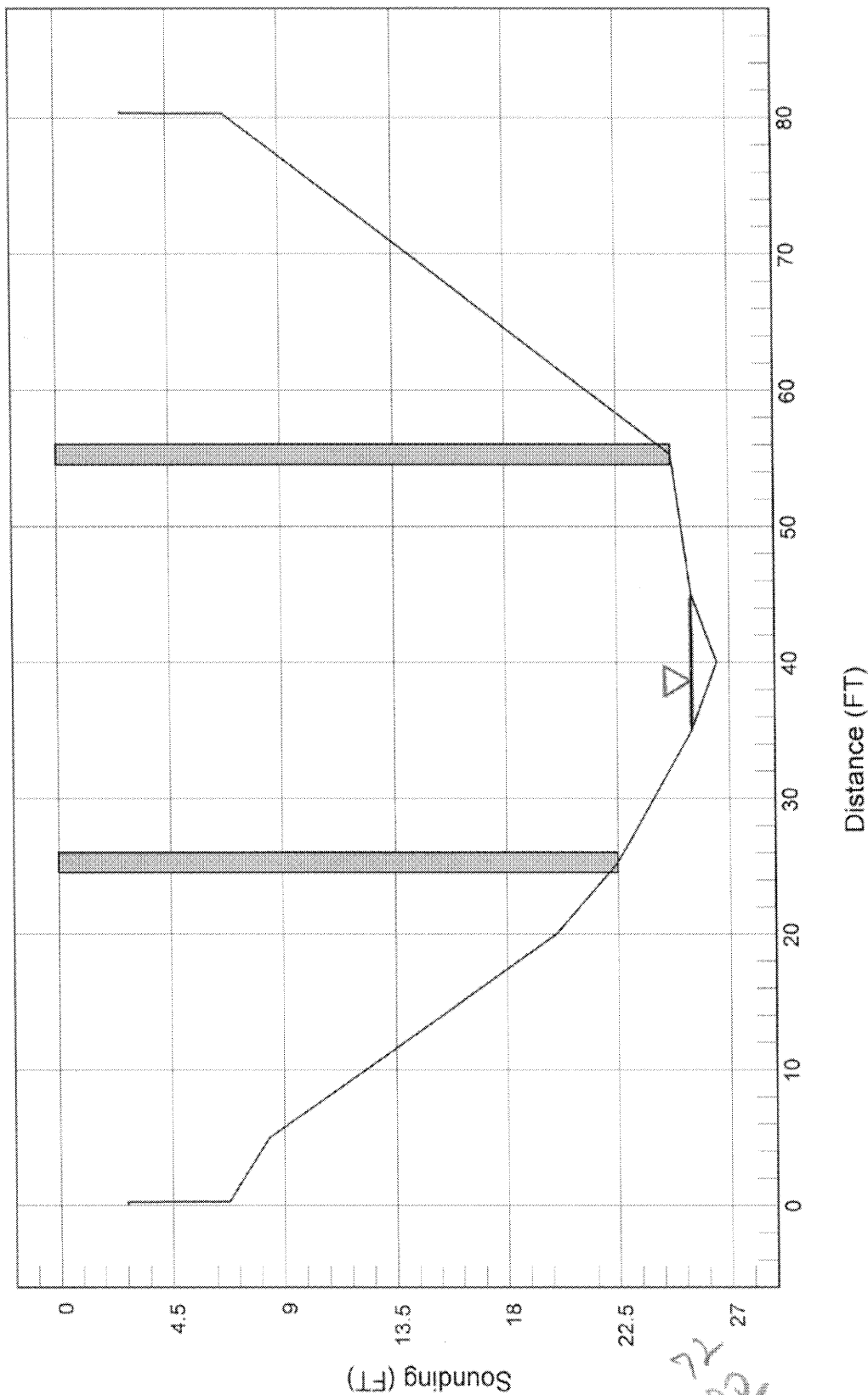
Bridge: 010087

County ALEXANDER

Date: 10/30/2008

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



MIN. BRIDGE = ~100'