

# SURVEY CONTROL SHEET B-5157

## GRANVILLE COUNTY

**LOCATION: BRIDGE NO. 178 OVER FOX CREEK  
ON SR 1304 (SUNSET ROAD)**

NCDOT GPS STATION B5157-1  
LOCALIZED PROJECT COORDINATES  
N=948420.115  
E=2082402.543

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	11+30.00	30.00	948644.5703	2080689.5826
L	11+30.00	60.00	948619.7338	2080672.7557
L	12+05.75	-60.00	948676.5923	2080802.7753
L	12+05.75	60.00	948577.2461	2080735.4675
L	12+05.75	-31.48	948652.9794	2080786.7774
L	14+79.97	-60.00	948575.9783	2081032.5957
L	14+79.97	60.00	948459.1340	2081005.2567
L	16+82.55	-60.00	948529.8257	2081229.8471
L	16+82.55	60.00	948412.9815	2081202.5080
L	18+25.00	-60.00	948513.2171	2081358.7988
L	18+25.00	-32.68	948485.9075	2081358.0792
L	19+13.65	60.00	948396.8149	2081451.7576
L	19+13.65	29.39	948427.2739	2081448.6921

PERMANENT DRAINAGE EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
L	14+79.97	60.00	948459.1340	2081005.2567
L	15+30.00	90.00	948418.5248	2081047.1366
L	15+70.00	60.00	948438.6228	2081092.9195

B5157-3

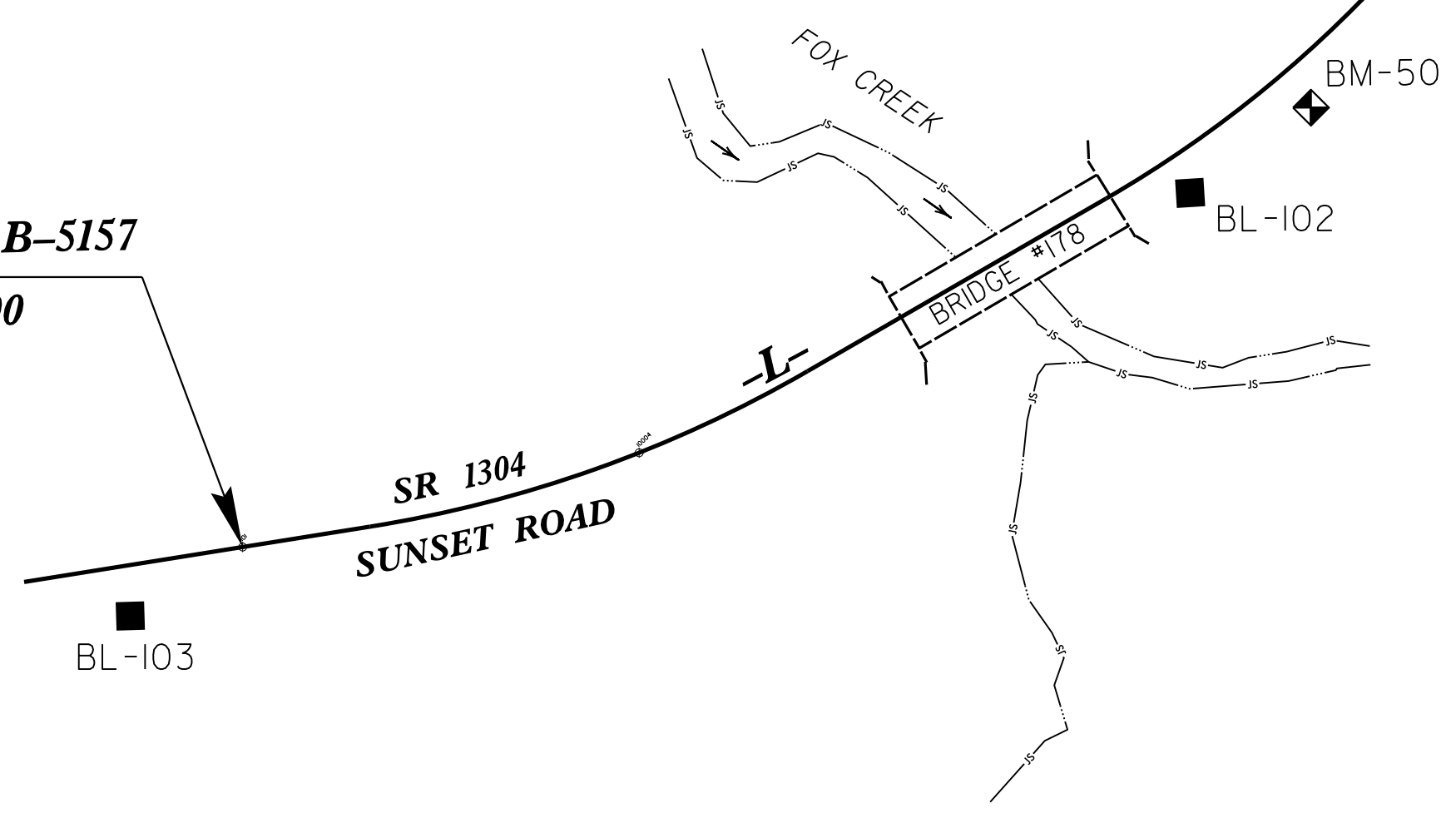
TO BOB DANIEL RD.

**BEGIN TIP PROJECT B-5157**  
**-L- POT STA. 11+30.00**

**END TIP PROJECT B-5157**  
**-L- POT STA. 20+50.00**

TO HWY 96

NAD 83/NSRS 2007



TYPE	STATION	NORTH	EAST
PC	12+05.75	948626.9192	2080769.1214
PT	14+79.97	948517.5562	2081018.9262
PC	16+82.55	948471.4036	2081216.1775
PT	19+13.65	948456.5133	2081445.7495

**CONTROL DATA**

BASELINE POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
3	B5157-3	948788.684	2080558.495	489.76'	OUTSIDE PROJECT LIMITS	
103	BL-103	948573.637	2080830.381	469.33'	12+85.02	14.01' RT
102	BL-102	948468.005	2081169.677	447.18'	16+38.04	13.90' RT
101	BL-101	948462.750	2081885.846	487.96'	OUTSIDE PROJECT LIMITS	

**BENCHMARK DATA**

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*****
50          ELEVATION = 446.10
N 948438    E 2081232
L STATION 17+05 29' RIGHT
RRS IN 30" GUM
*****
51          ELEVATION = 485.74
N 948443    E 2081862
L STATION 13+70
S 83°32'19" E DIST 954'
RRS IN 24" POPLAR
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**DATUM DESCRIPTION**

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "B5157-1" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 948420.115(±) EASTING: 2082402.543(±) ELEVATION: 514.12'(±)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 1.00003903

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B5157-1" TO -L- STATION 11+30 IS  
N 81° 38' 19" W 1,714.36'

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES  
VERTICAL DATUM USED IS NAVD 88

**GEOID 03**

**NOTE: DRAWING NOT TO SCALE**

**NOTES:**

- THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT:  
[HTTPS://CONNECT.NCDOT.GOV/RESOURCES/LOCATION/](https://connect.ncdot.gov/resources/location/)  
THE FILES TO BE FOUND ARE AS FOLLOWS:  
B5157\_LS\_CONTROL.TXT
- SITE CALIBRATION INFORMATION HAS NOT BEEN PROVIDED FOR THIS PROJECT. IF FURTHER INFORMATION IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- INDICATES GEODETIC CONTROL MONUMENTS USED OR SET FOR HORIZONTAL PROJECT CONTROL BY THE NCDOT LOCATION AND SURVEYS UNIT.  
PROJECT CONTROL ESTABLISHED USING GLOBAL POSITIONING SYSTEM.

07/09/2015  
24-FEB-2016 14:56  
R:\Roshoy\Proj\B5157\_LS\_1c.dgn  
R:\Roshoy\Proj\B5157\_LS\_1c.dgn