Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/18/2020 Time: 9:39 ☑ a.m. ☐ p.m. Employee Name: AU

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-001

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open Area off of Hwy 89

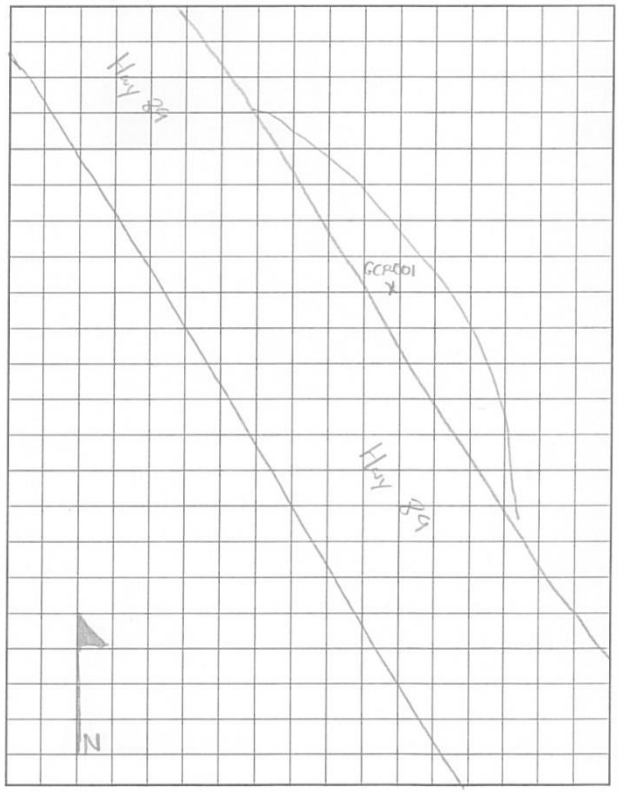
OBSERVATION METHOD

☑ VRS GPS	RMS: 1.7 H: 0.007m V: 0.012m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☐ Other: Open Area

Sketch Area (NTS)



PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

Date: 09/19/2020 Time: 2:59 ☐ a.m. ☑ p.m.

Re-Check Point Number: GCP-001RC

Description of Point:

Nail set in open area


GCP-001


GCP-001

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/18/2020 Time: 9:21 ☑ a.m. ☐ p.m. Employee Name: AA

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-002

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Corner of no parking stripe zone @ Hwy 89 Rest Area

OBSERVATION METHOD

☑ VRS GPS	RMS: 1.8 H: 0.007m V: 0.013m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☑ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☐ Other: _____

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

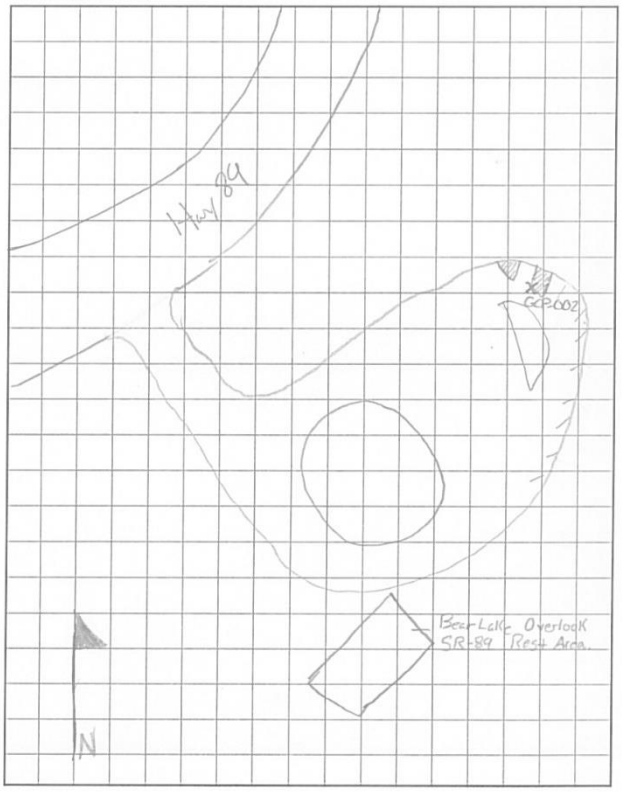
Date: 09/19/2020 Time: 2:46 ☐ a.m. ☑ p.m.

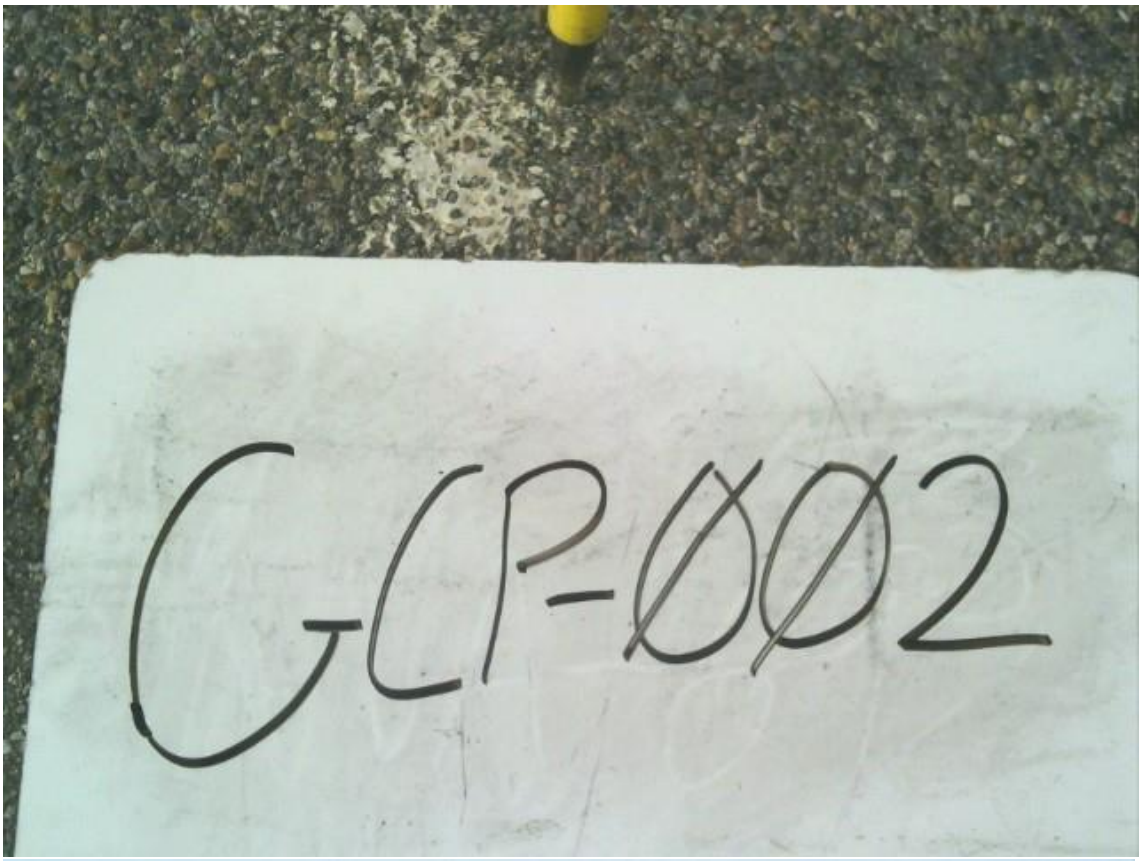
Re-Check Point Number: GCP-002RC

Description of Point:

Corner of NO parking painted zone.

Sketch Area (NTS)




GCP-002

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/18/2020 Time: 9:08 ☑ a.m. ☐ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-003

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area off of Hwy 89

OBSERVATION METHOD

☑ VRS GPS	RMS: 2.0 H: 0.013m V: 0.026m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

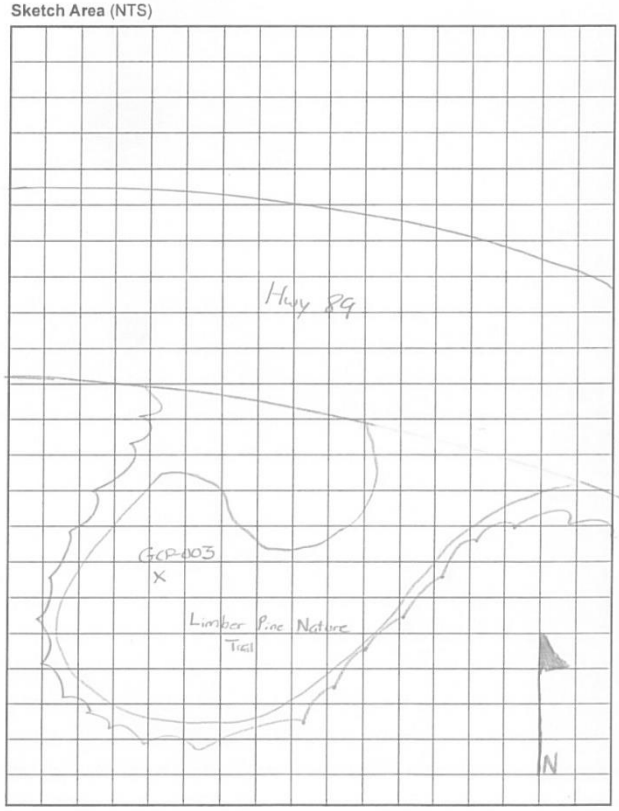
Date: 09/19/2020 Time: 2:37 ☐ a.m. ☑ p.m.

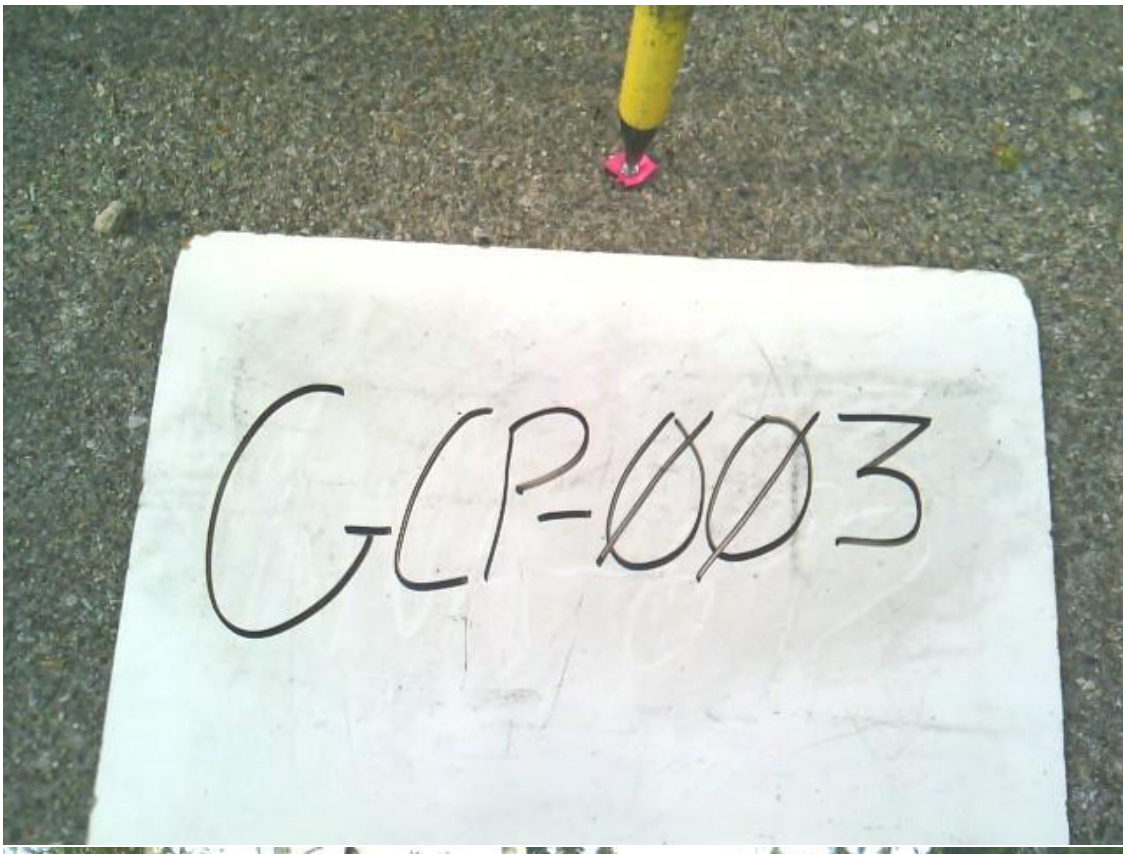
Re-Check Point Number: GCP-003RC

Description of Point:

Nail set in open area

Sketch Area (NTS)




GCP-003


GCP-003

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/18/2020 Time: 11:57 ☑ a.m. ☐ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-004

State: Utah Latitude: _____ ☐ + ☐ − Longitude: _____ ☐ + ☐ −

Address and/or Intersection: Open area on Hwy 89 + FR-006

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☑ STATIC GPS	(20 min.) Start Time: 11:57 ☑ a.m. ☐ p.m. End: 12:27 ☐ a.m. ☑ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

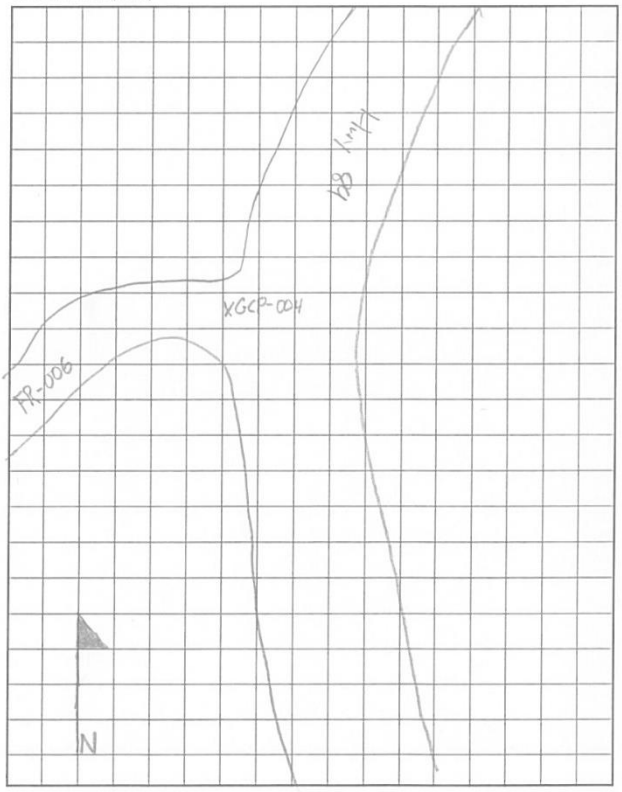
Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:

Nail set in open area.

Sketch Area (NTS)




GCP-004


GCP004

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/18/2020 Time: 12:34 ☐ a.m. ☐ p.m. Employee Name: AU

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-005

State: Utah Latitude: _____ ☐ + ☐ − Longitude: _____ ☐ + ☐ −

Address and/or Intersection: Open area on Hwy 89

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☑ STATIC GPS	(20 min.) Start Time: 12:34 ☐ a.m. ☑ p.m. End: 1:04 ☐ a.m. ☑ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☑ Other: Open Area

PICTURES

- ☑ Picture(s) of Area & Setup

POINT RE-CHECK

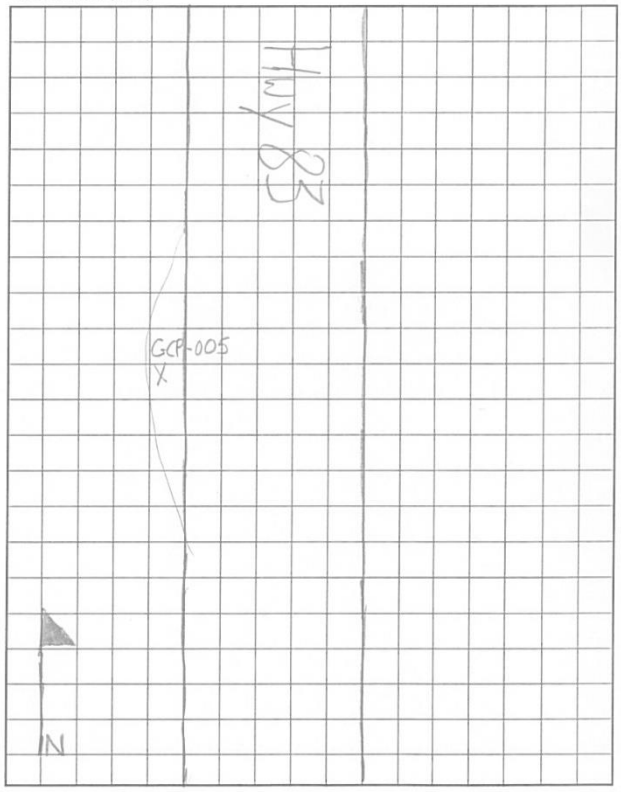
Date: _____ Time: _____ ☐ a.m. ☐ p.m.

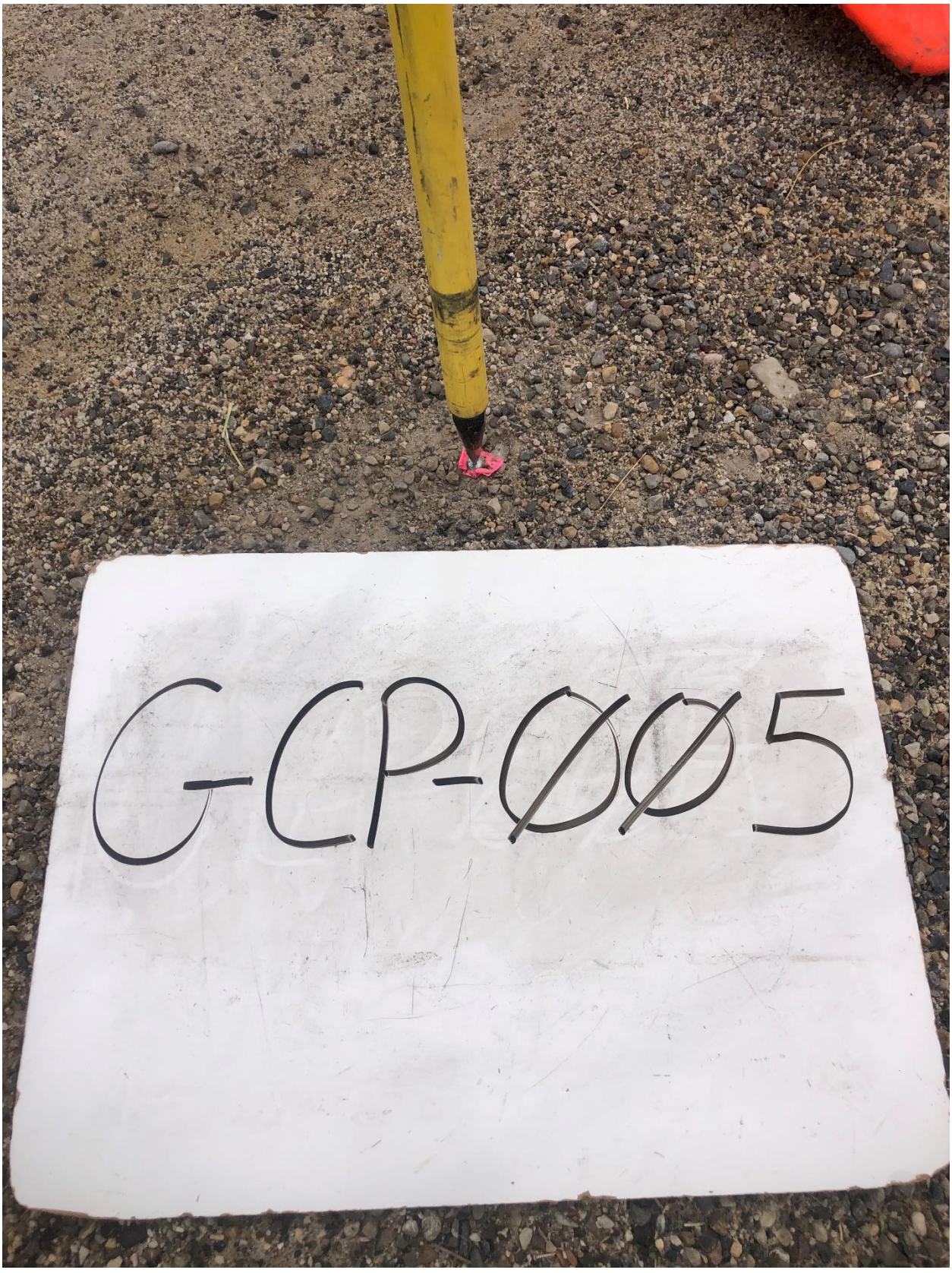
Re-Check Point Number: _____

Description of Point:

Nail set in open area

Sketch Area (NTS)




G-CP-005


G-CP-ØØ5

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/18/2020 Time: 1:12 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-006

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area in parking lot off of FR 141

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☑ STATIC GPS	(20 min.) Start Time: 1:12 ☐ a.m. ☑ p.m. End: 1:42 ☐ a.m. ☑ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

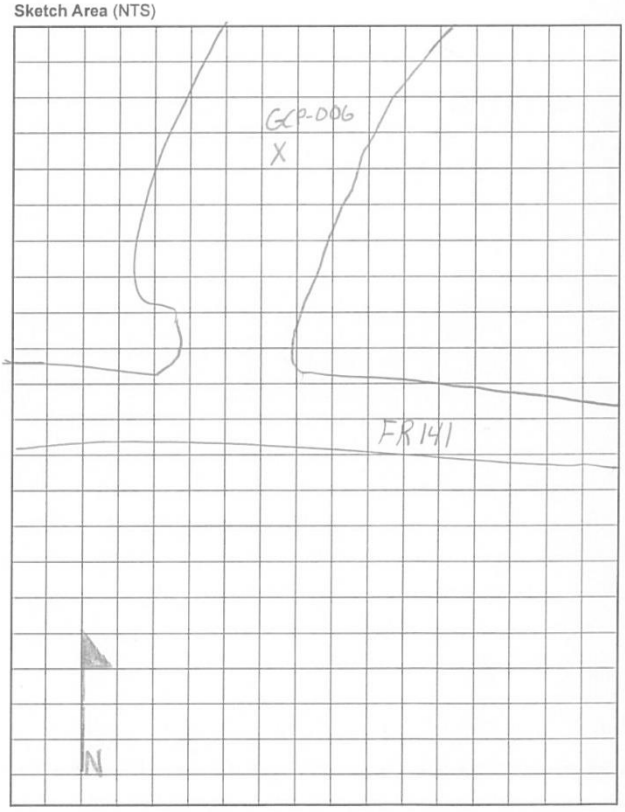
Date: _____ Time: _____ ☐ a.m. ☐ p.m.

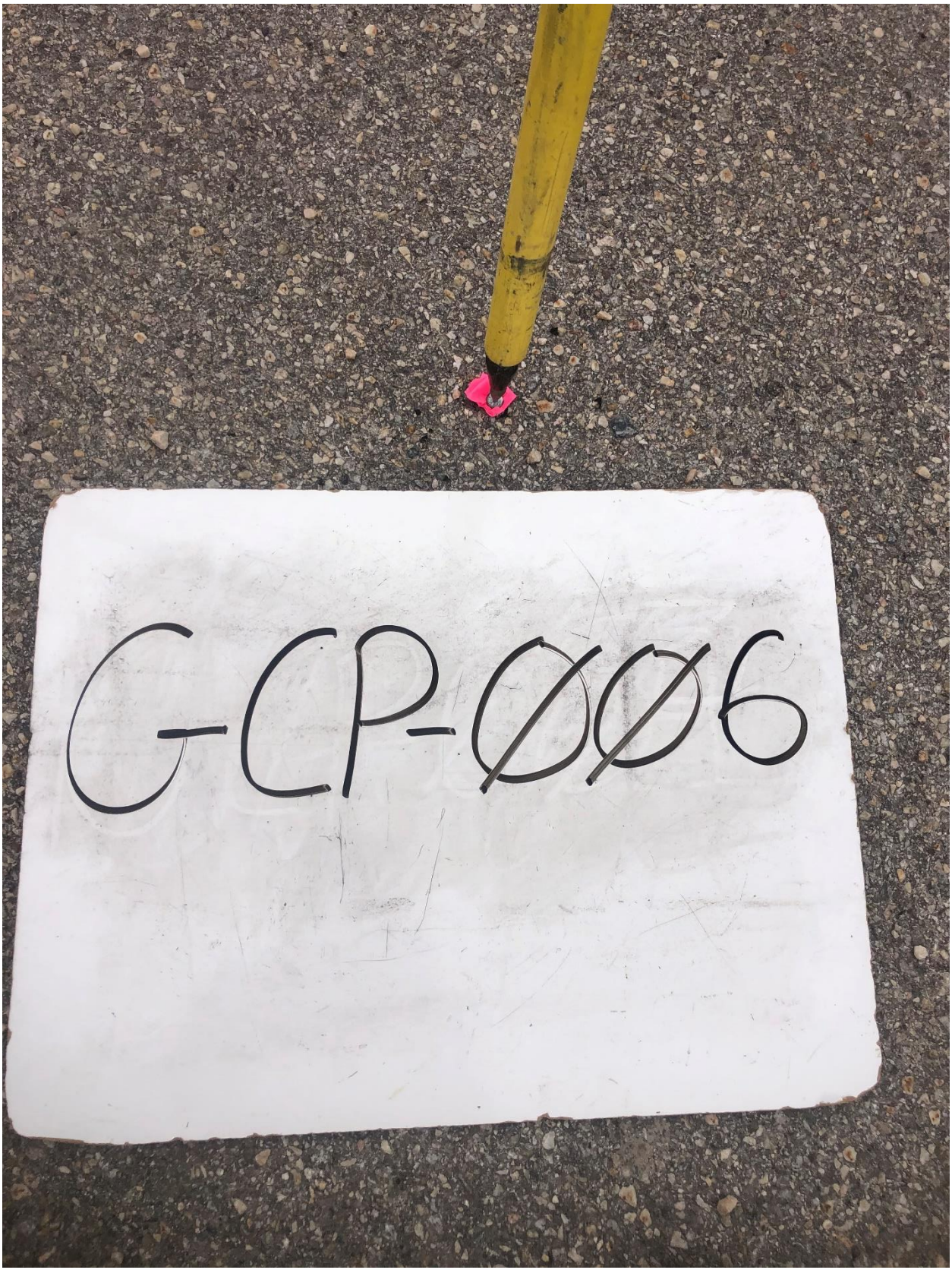
Re-Check Point Number: _____

Description of Point:

Nail set in open area.

Sketch Area (NTS)




G-CP-ØØ6


GCP-ØØ6

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 04/18/2020 Time: 2:58 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-007

State: Utah Latitude: _____ ☐ + ☐ − Longitude: _____ ☐ + ☐ −

Address and/or Intersection: Open area in parking lot at end of FR012

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☑ STATIC GPS	(20 min.) Start Time: 2:58 ☐ a.m. ☑ p.m. End: 3:28 ☐ a.m. ☑ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

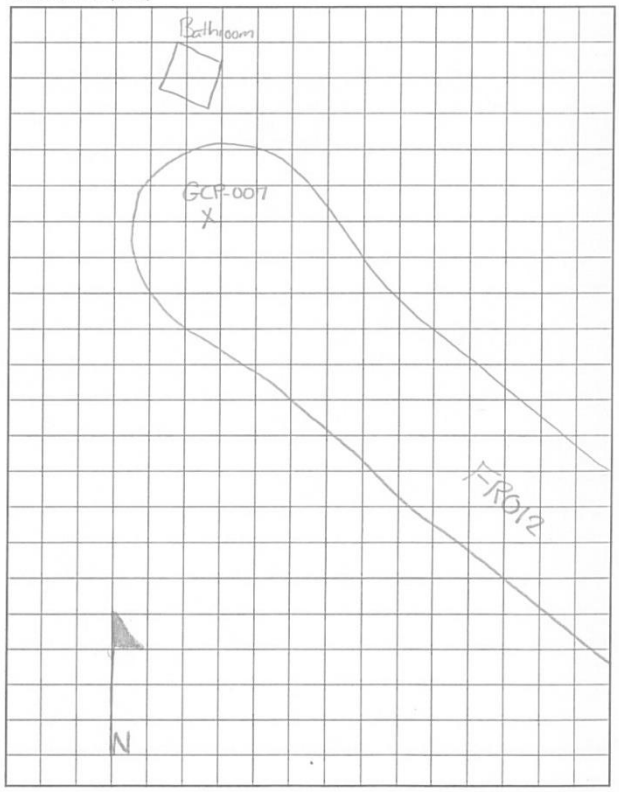
Date: _____ Time: _____ ☐ a.m. ☐ p.m.

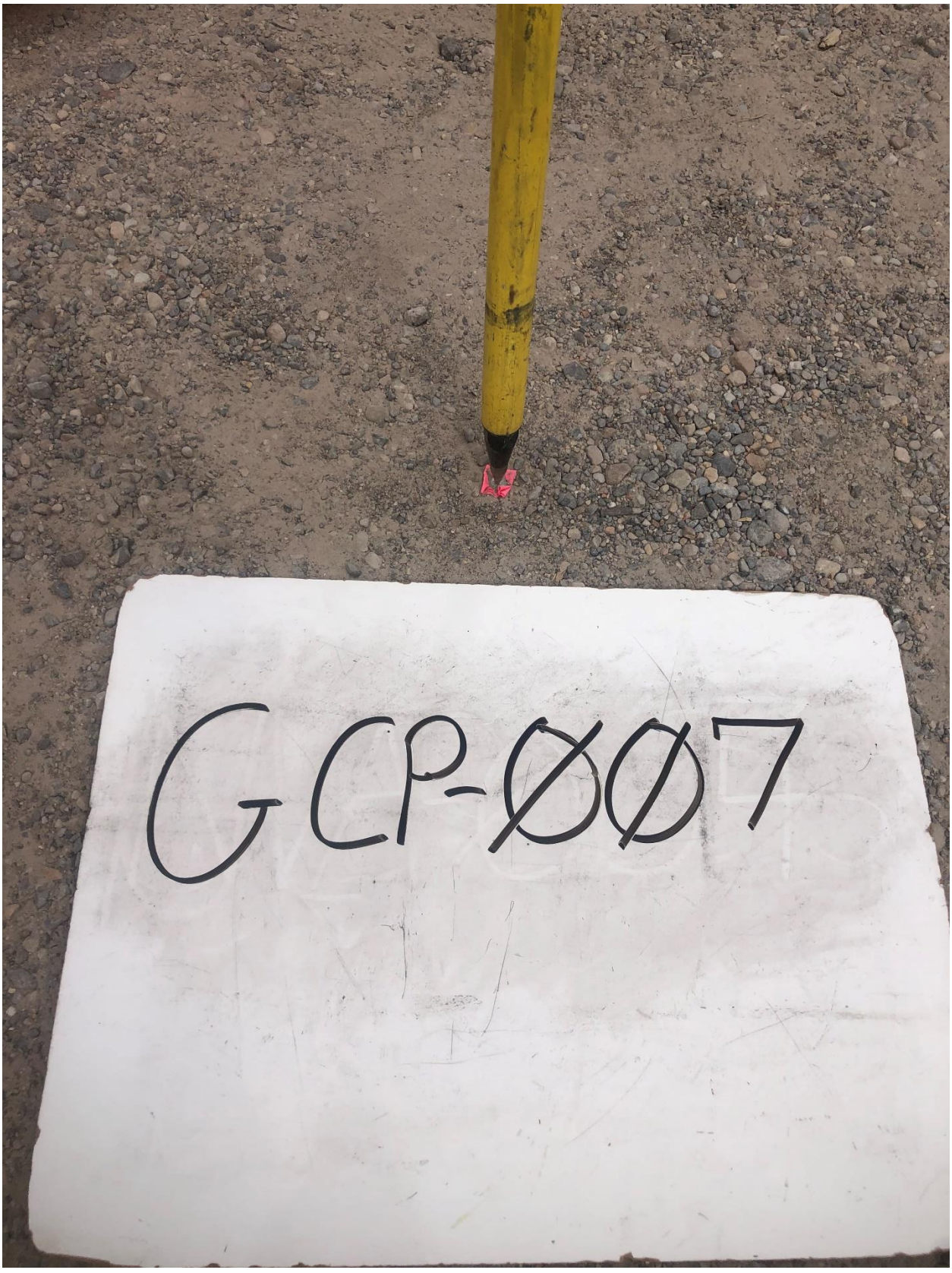
Re-Check Point Number: _____

Description of Point:

Nail set in open area.

Sketch Area (NTS)




GCP-007


GCP-007

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/20/2020 Time: 1:47 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-008

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area off of FS 054

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☑ STATIC GPS	(20 min.) Start Time: 1:47 ☐ a.m. ☑ p.m. End: 2:17 ☐ a.m. ☑ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

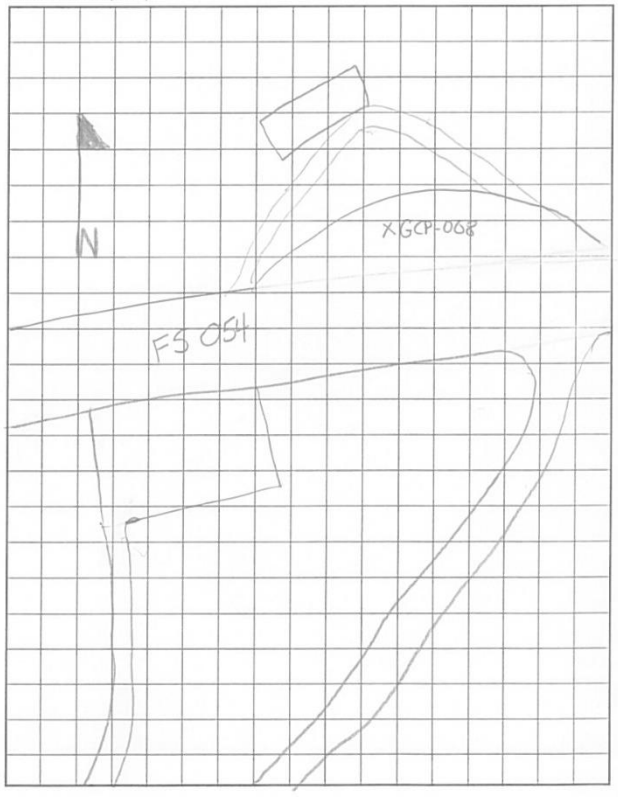
Date: 09/21/2020 Time: 12:22 ☐ a.m. ☑ p.m.

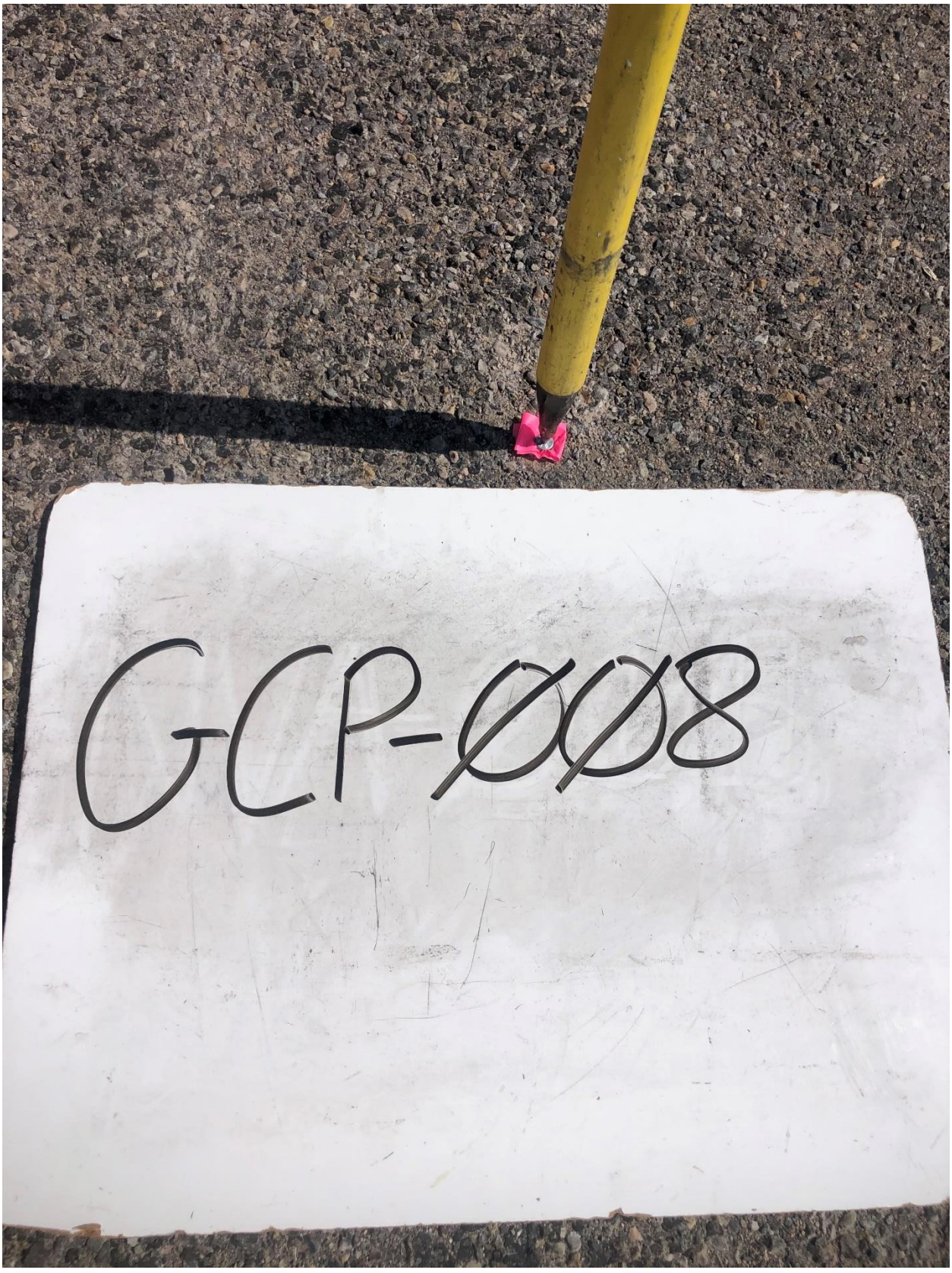
Re-Check Point Number: GCP-008RC

Description of Point:

Nail set in open area.

Sketch Area (NTS)




GCP-008


GCP-008

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/20/2020 Time: 2:26 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-009

State: Utah Latitude: _____ ☐ + ☐ − Longitude: _____ ☐ + ☐ −

Address and/or Intersection: Open area on Ant Flat Rd

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☑ STATIC GPS	(20 min.) Start Time: 2:26 ☐ a.m. ☑ p.m. End: 2:56 ☐ a.m. ☑ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

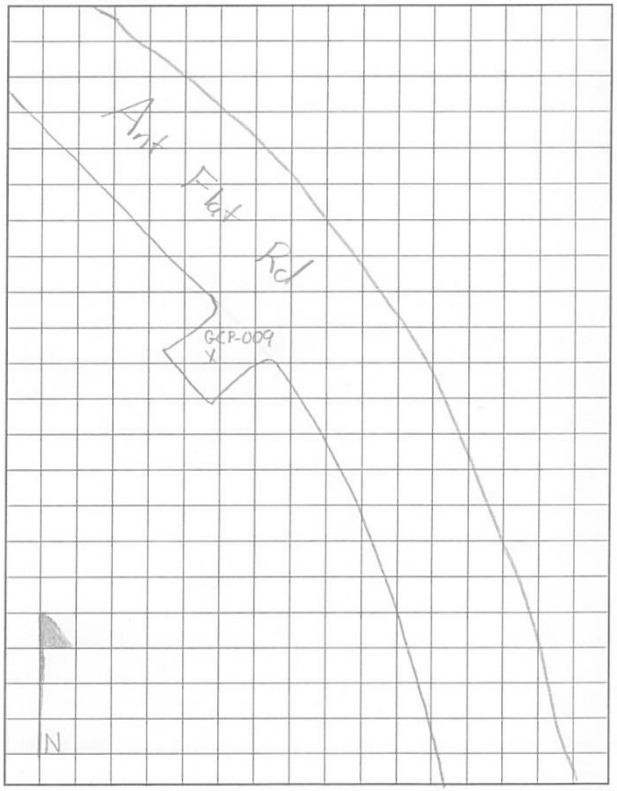
Date: 09/21/2020 Time: 11:51 ☑ a.m. ☐ p.m.

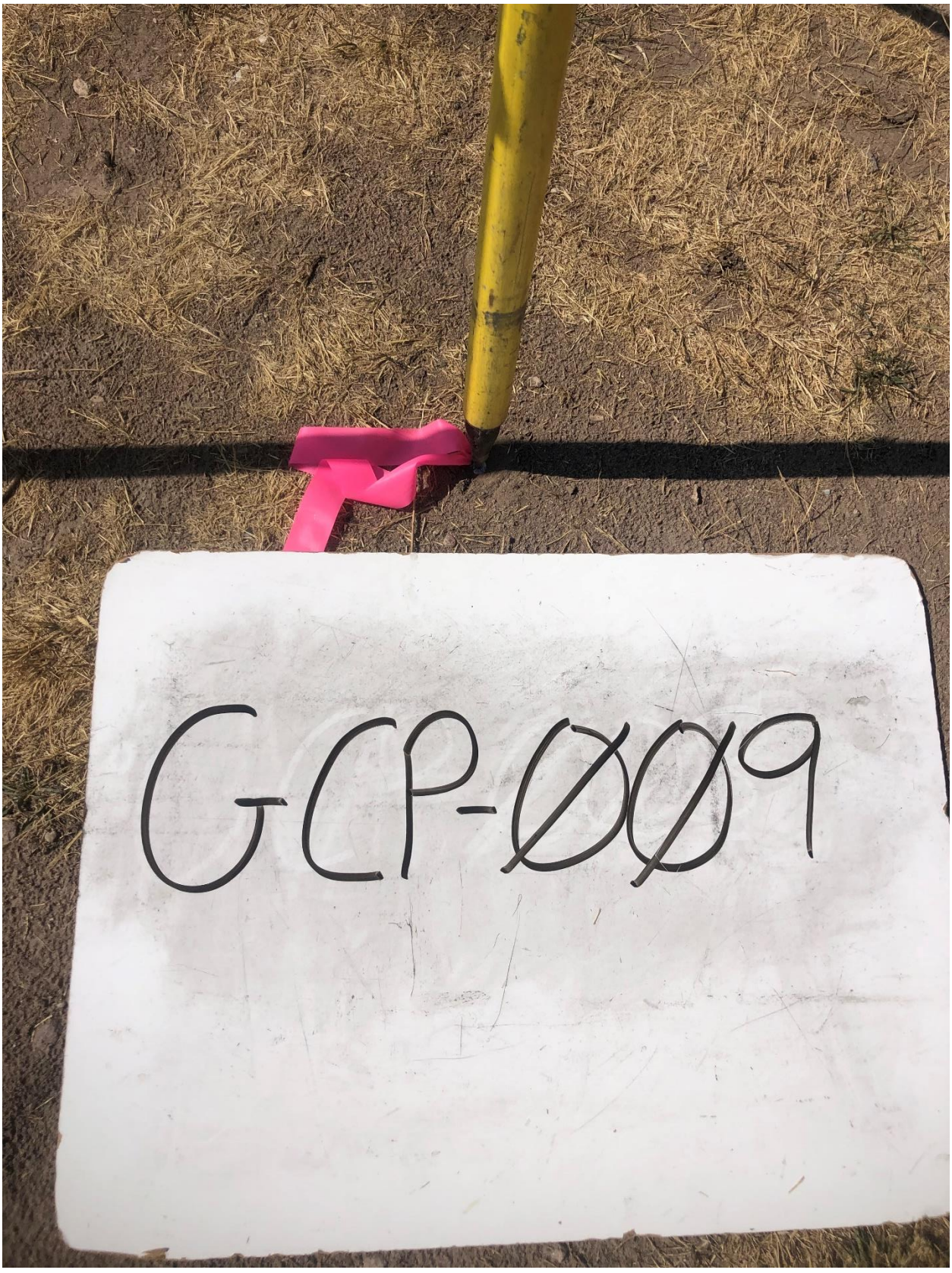
Re-Check Point Number: GCP-009RC

Description of Point:

Nail set in open area

Sketch Area (NTS)




GCP-009


GCP-009

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/20/2020 Time: 4:26 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-010

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area on Ant Flat Rd

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☑ STATIC GPS	(20 min.) Start Time: 4:26 ☐ a.m. ☑ p.m. End: 4:56 ☐ a.m. ☑ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

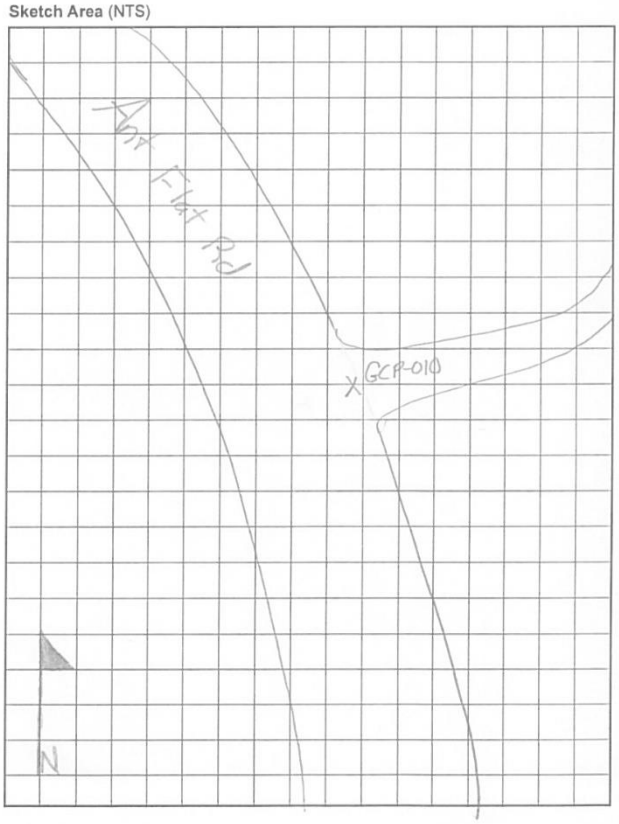
☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

Sketch Area (NTS)



PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

Date: 09/21/2020 Time: 10:14 ☑ a.m. ☐ p.m.

Re-Check Point Number: GCP-010RC

Description of Point:

Nail set in open area


GCP-010


GCP-010

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/20/2020 Time: 5:06 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-011

State: Utah Latitude: _____ ☐ + ☐ − Longitude: _____ ☐ + ☐ −

Address and/or Intersection: Open area off of Ant Flat Rd

OBSERVATION METHOD

☑ VRS GPS	RMS: 1.6 H: 0.004m V: 0.008m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

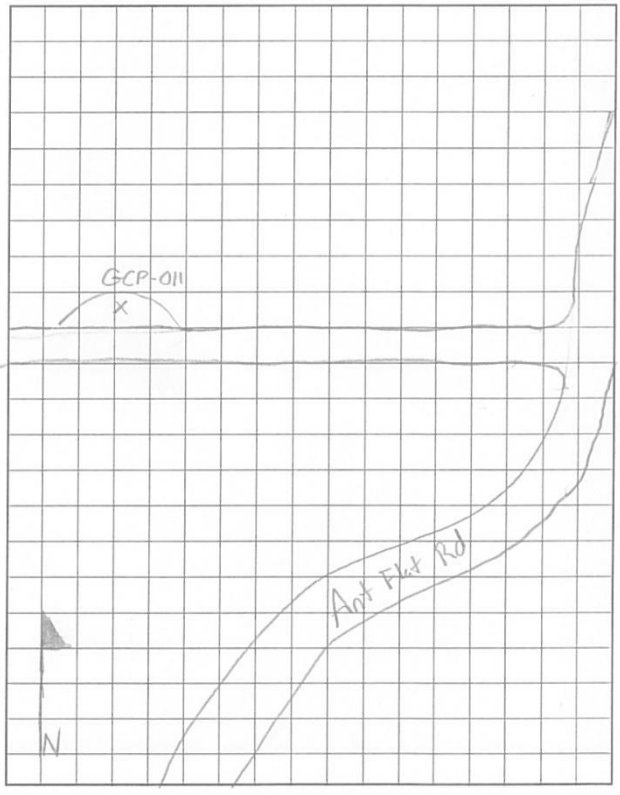
Date: 09/21/2020 Time: 10:00 ☑ a.m. ☐ p.m.

Re-Check Point Number: GCP-011RC

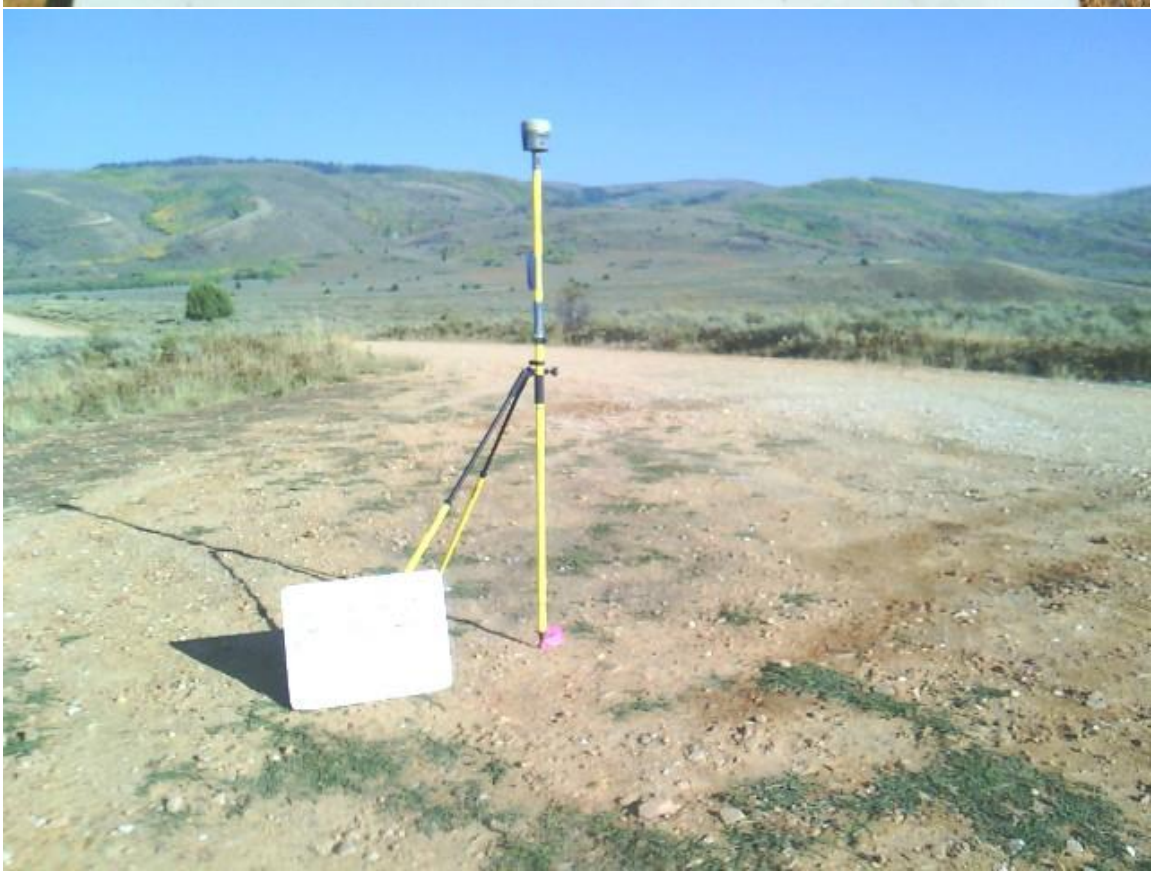
Description of Point:

Nail set in open area

Sketch Area (NTS)




GCP-Ø11



Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/22/2020 Time: 5:05 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-012

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area on Ant Flat Rd

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☑ STATIC GPS	(20 min.) Start Time: 5:05 ☐ a.m. ☑ p.m. End: 5:35 ☐ a.m. ☑ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

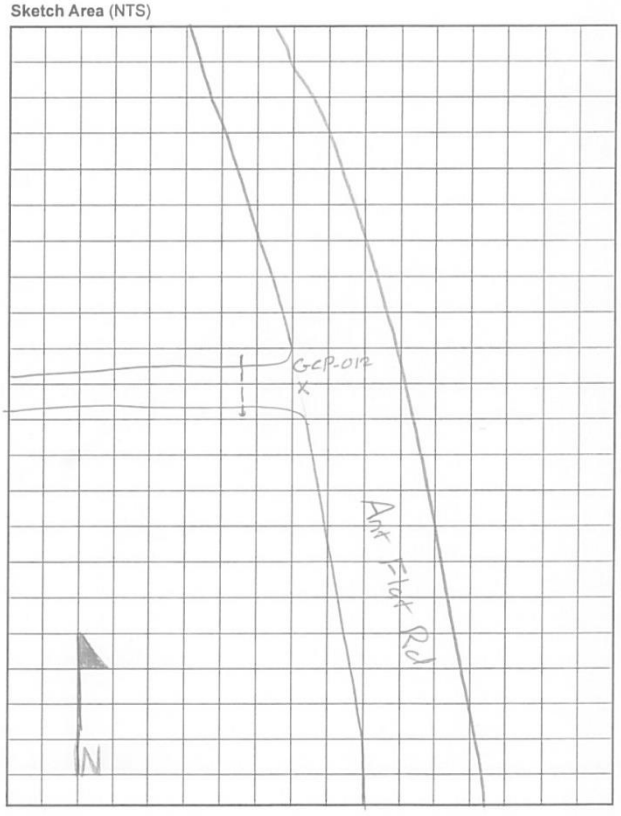
Date: 09/23/2020 Time: 10:28 ☑ a.m. ☐ p.m.

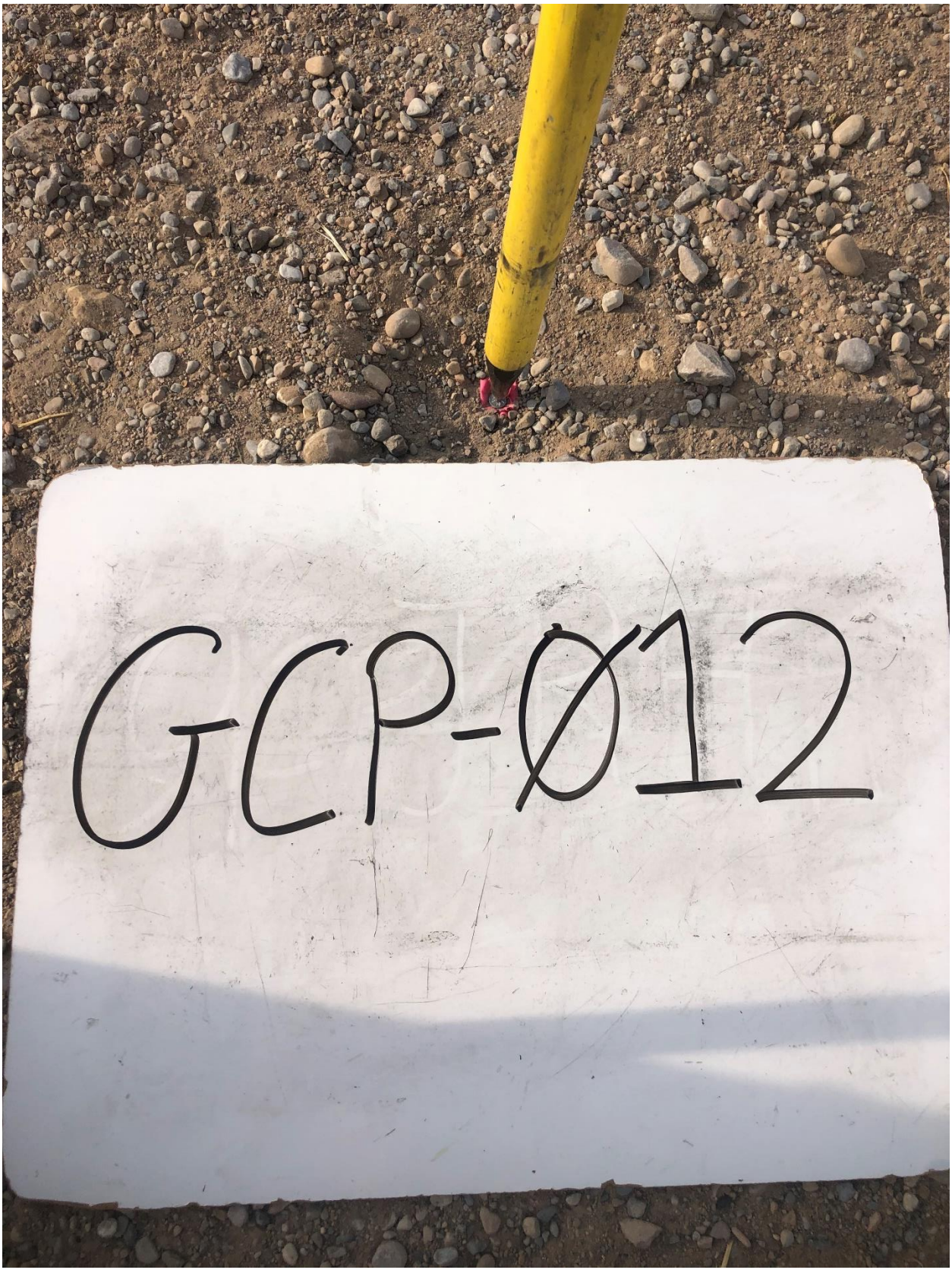
Re-Check Point Number: GCP-012RC

Description of Point:

Nail set in open area

Sketch Area (NTS)




GCP-012


GCP-Ø12

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/22/2020 Time: 4:08 ☐ a.m. ☐ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-013

State: Utah Latitude: ☐ + ☐ – Longitude: ☐ + ☐ –

Address and/or Intersection: Open area in parking lot of Club Rec - Monte Cristo on Hwy 39

OBSERVATION METHOD

☑ VRS GPS	RMS: 1.3 H: 0.004m V: 0.007m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

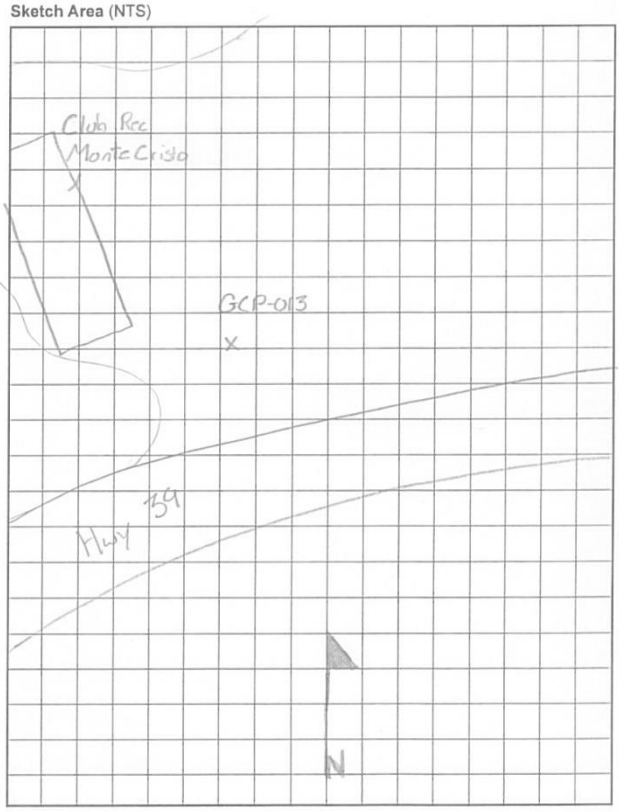
Date: 09/23/2020 Time: 11:13 ☑ a.m. ☐ p.m.

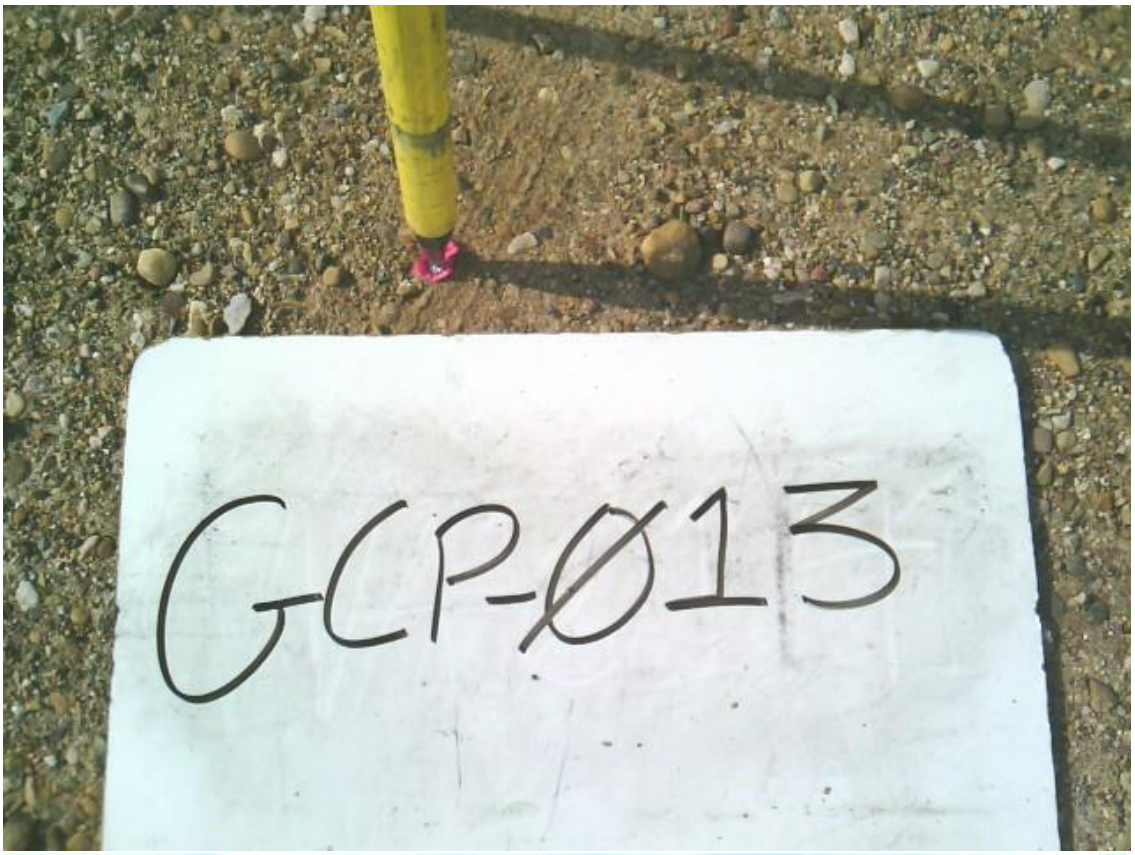
Re-Check Point Number: GCP-013RC

Description of Point:

Nail set in open area

Sketch Area (NTS)




GCP-013


GCP-013

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/22/2020 Time: 1:13 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-014

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area on Hwy 34

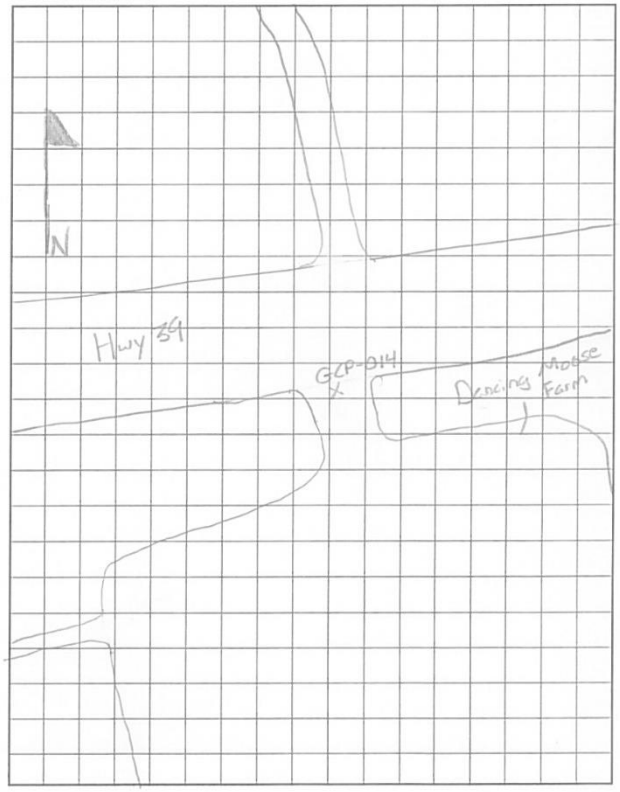
OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☑ STATIC GPS	(20 min.) Start Time: 1:13 ☐ a.m. ☑ p.m. End: 1:43 ☐ a.m. ☑ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☑ Other: Open Area

Sketch Area (NTS)



PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

Date: 09/23/2020 Time: 8:48 ☑ a.m. ☐ p.m.

Re-Check Point Number: GCP-014RC

Description of Point:

Nail Set in Open area


G-CP-014


GCP-014

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/22/2020 Time: 1:52 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-015

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area on FR 20016

OBSERVATION METHOD

☑ VRS GPS	RMS: 1.6 H: 0.003m V: 0.005m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

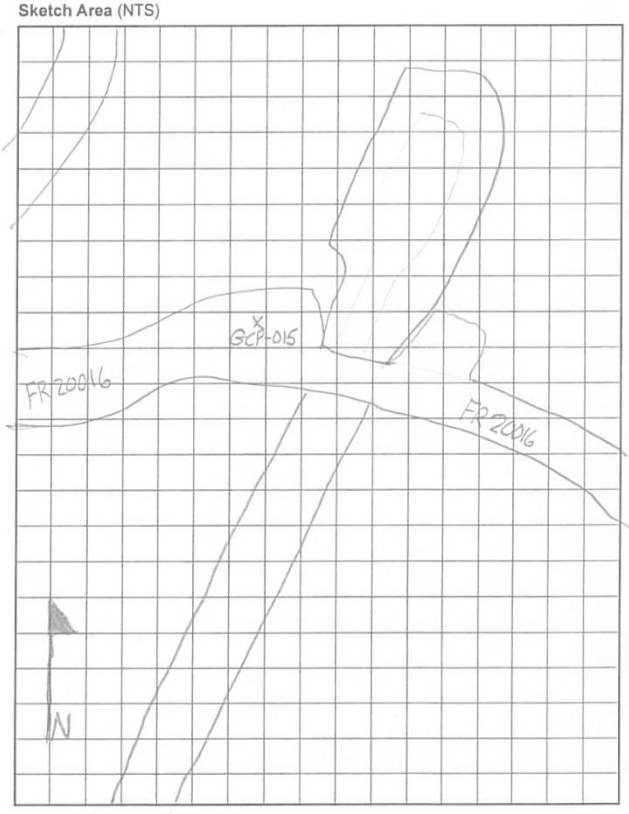
Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:

Nail set in open area.

Sketch Area (NTS)




G-CP-Ø15


G-CP-Ø15

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10-16-2020 Time: 11:45 ☒ a.m. ☐ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 16

State: UT Latitude: _____ ☐ + ☐ − Longitude: _____ ☐ + ☐ −

Address and/or Intersection: _____

OBSERVATION METHOD

☒ VRS GPS	RMS: _____ H: _____ V: _____ Duration: 3 MIN.
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☒ Other: NAIL IN ASPHALT

PICTURES

☑ Picture(s) of Area & Setup

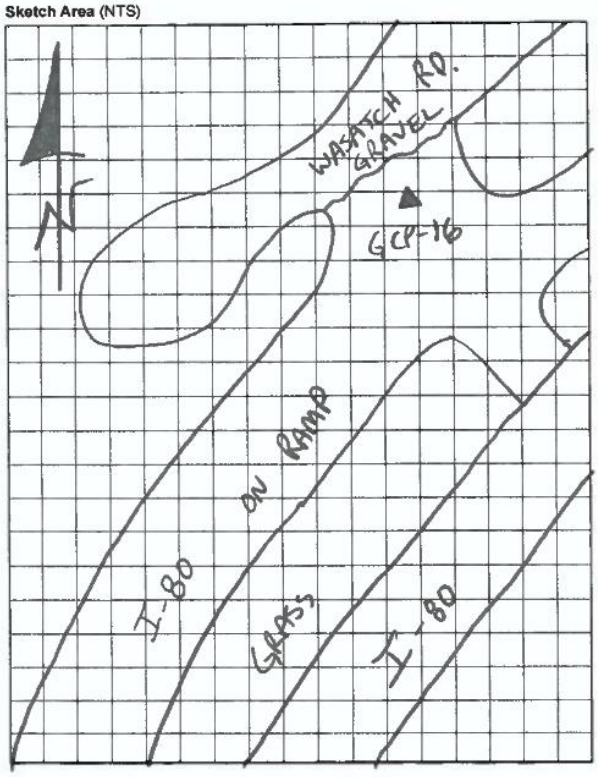
POINT RE-CHECK

Date: 10-20-20 Time: 1:41 ☐ a.m. ☒ p.m.

Re-Check Point Number: GCP-16RC

Description of Point:
SET NAIL IN PAVED ROAD

Sketch Area (NTS)




GCP-16

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10-16-2020 Time: 12:05 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 17

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☒ VRS GPS	RMS: _____ H: _____ V: _____ Duration: 3 MIN.
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN DIRT

PICTURES

- ☑ Picture(s) of Area & Setup

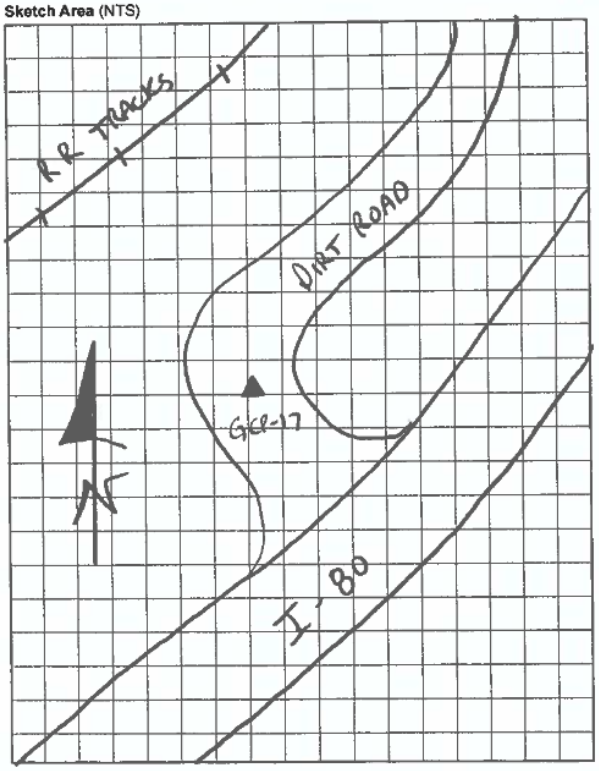
POINT RE-CHECK

Date: 10-20-20 Time: 2:47 ☐ a.m. ☒ p.m.

Re-Check Point Number: GCP-17RC

Description of Point:
SET NAIL IN DIRT ROAD

Sketch Area (NTS)




GCP-17

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10-16-2020 Time: 4:06 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 18

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☒ VRS GPS	RMS: _____ H: _____ V: _____ Duration: 3 MIN.
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☒ Other: NAIL IN GRAVEL

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

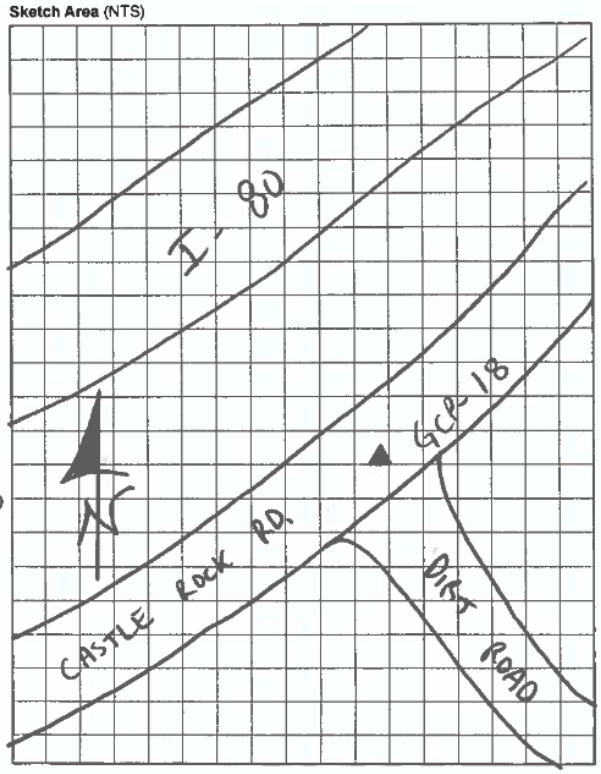
Date: 10-20-20 Time: 3:15 ☐ a.m. ☒ p.m.

Re-Check Point Number: GCP-18RC

Description of Point:

SET NAIL IN GRAVEL ROAD

Sketch Area (NTS)




GCP-18

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10-16-2020 Time: 12:45 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 19

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☒ Other: NAIL IN ASPHALT

PICTURES

☑ Picture(s) of Area & Setup

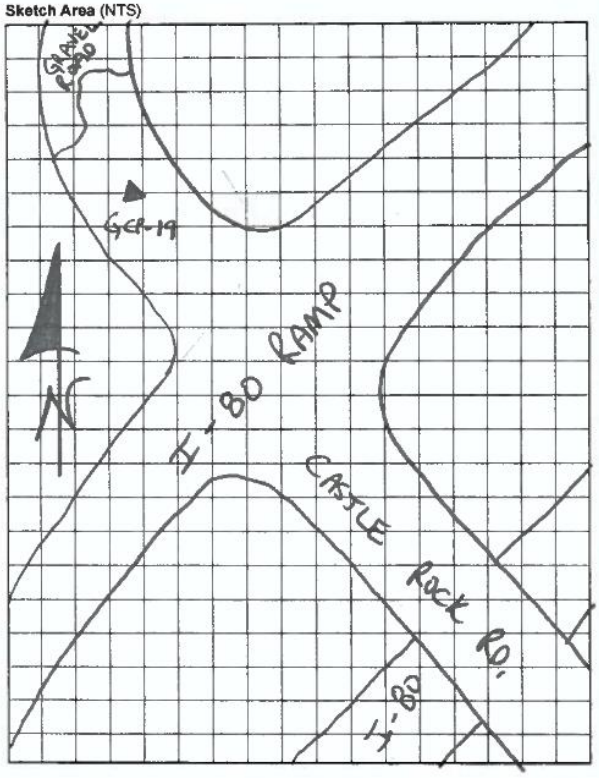
POINT RE-CHECK

Date: 10-20-20 Time: 3:07 ☐ a.m. ☒ p.m.

Re-Check Point Number: GCP-19 RC

Description of Point:
SET NAIL IN ASPHALT ROAD

Sketch Area (NTS)




GCP-19


EAST
80

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10-16-2020 Time: 3:48 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 20

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☒ VRS GPS	RMS: _____ H: _____ V: _____ Duration: 3 MIN.
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN PAVEMENT

PICTURES

- ☑ Picture(s) of Area & Setup

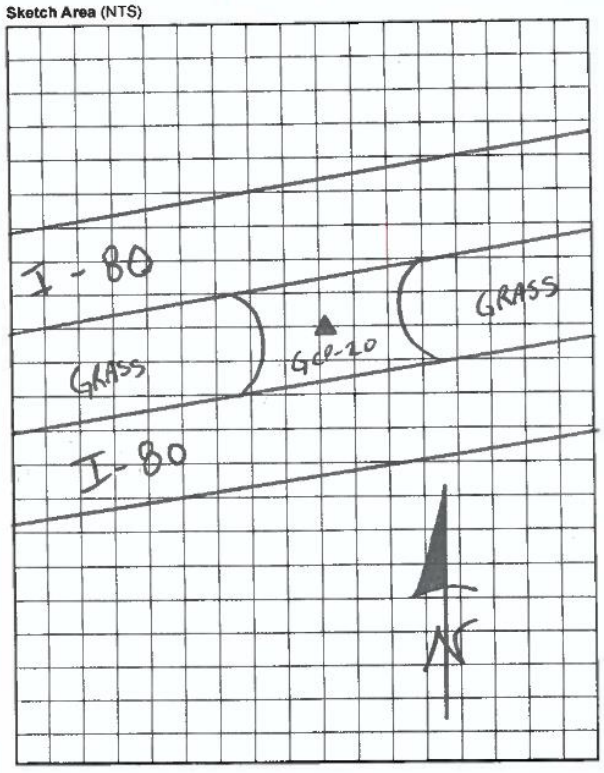
POINT RE-CHECK

Date: 10-20-20 Time: 3:28 ☐ a.m. ☒ p.m.

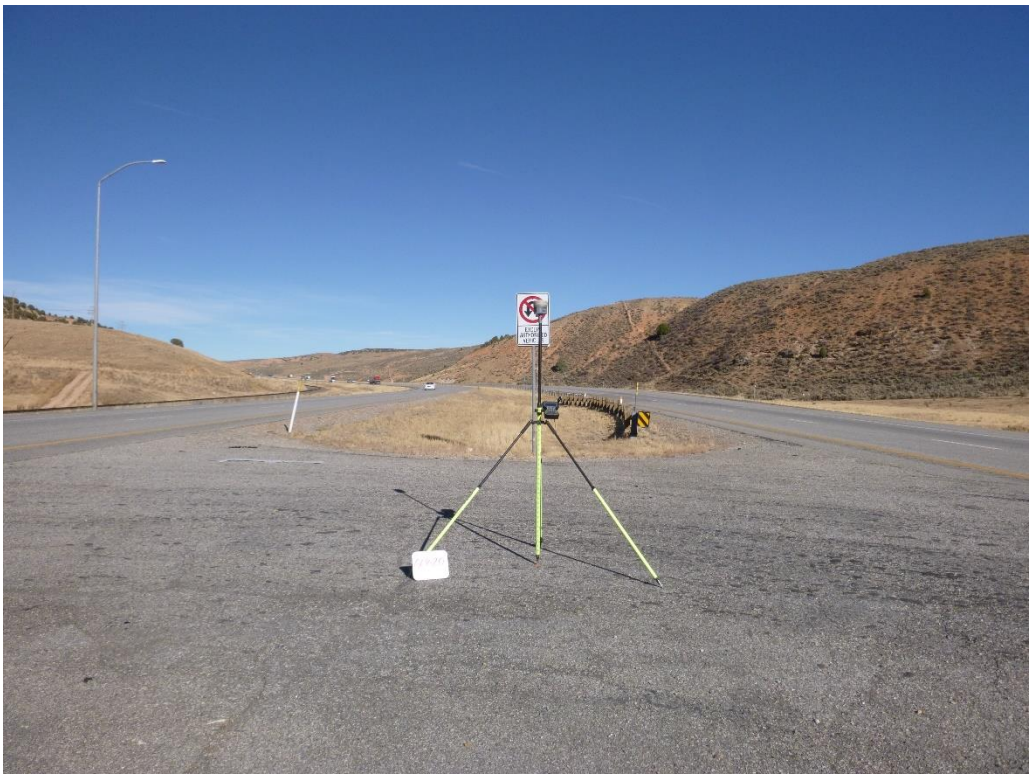
Re-Check Point Number: GCP-20RC

Description of Point:
SET NAIL IN PAVED ROAD

Sketch Area (NTS)




GCP-20



Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10-16-2020 Time: 1:11 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 21

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☒ VRS GPS	RMS: _____ H: _____ V: _____ Duration: 3 MIN.
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN GRAVEL

PICTURES

☑ Picture(s) of Area & Setup

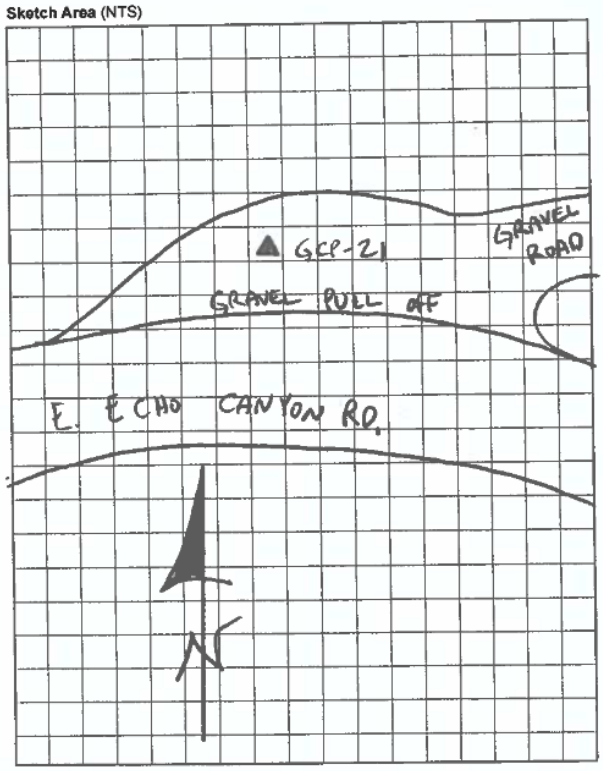
POINT RE-CHECK

Date: 10-20-20 Time: 3:35 ☐ a.m. ☒ p.m.

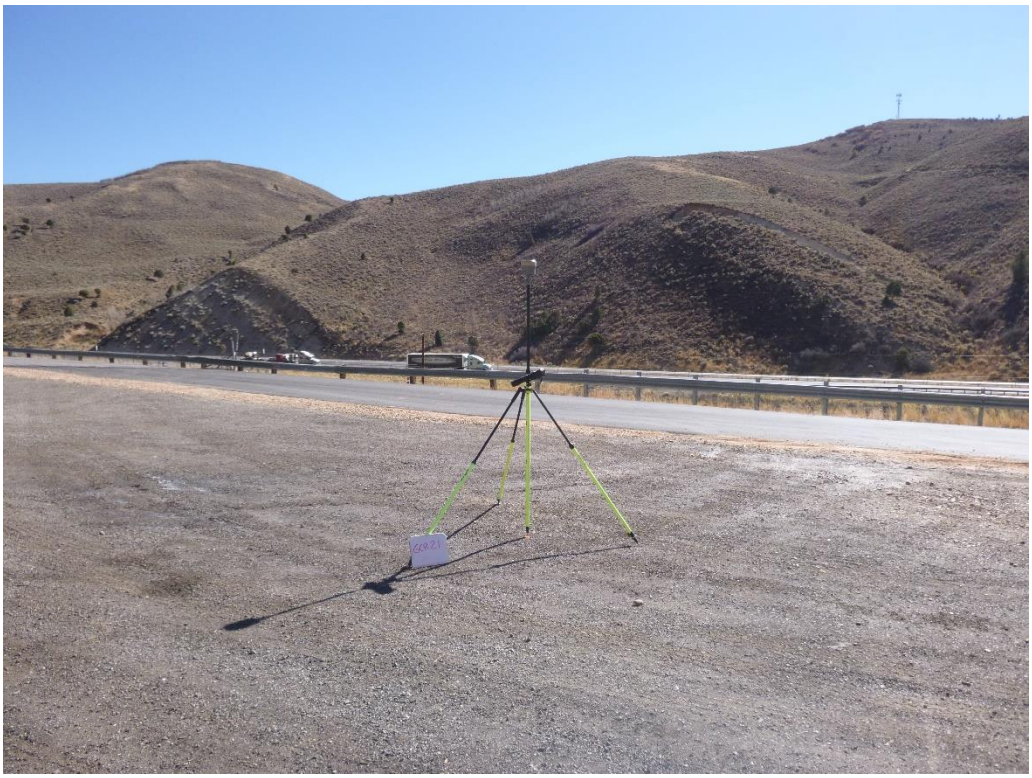
Re-Check Point Number: GCP-21RC

Description of Point:
SET NAIL IN GRAVEL PULL OFF

Sketch Area (NTS)




GCP-21



Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10-25-2020 Time: 12:23 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 22

State: UT Latitude: _____ ☐ + ☐ − Longitude: _____ ☐ + ☐ −

Address and/or Intersection: _____

OBSERVATION METHOD

☒ VRS GPS	RMS: _____ H: _____ V: _____ Duration: 3 MIN.
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN PAVEMENT

PICTURES

- ☑ Picture(s) of Area & Setup

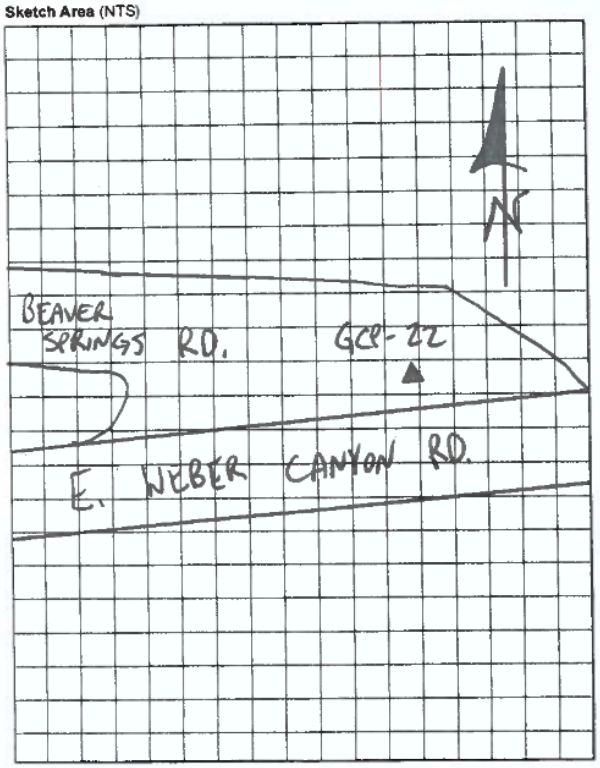
POINT RE-CHECK

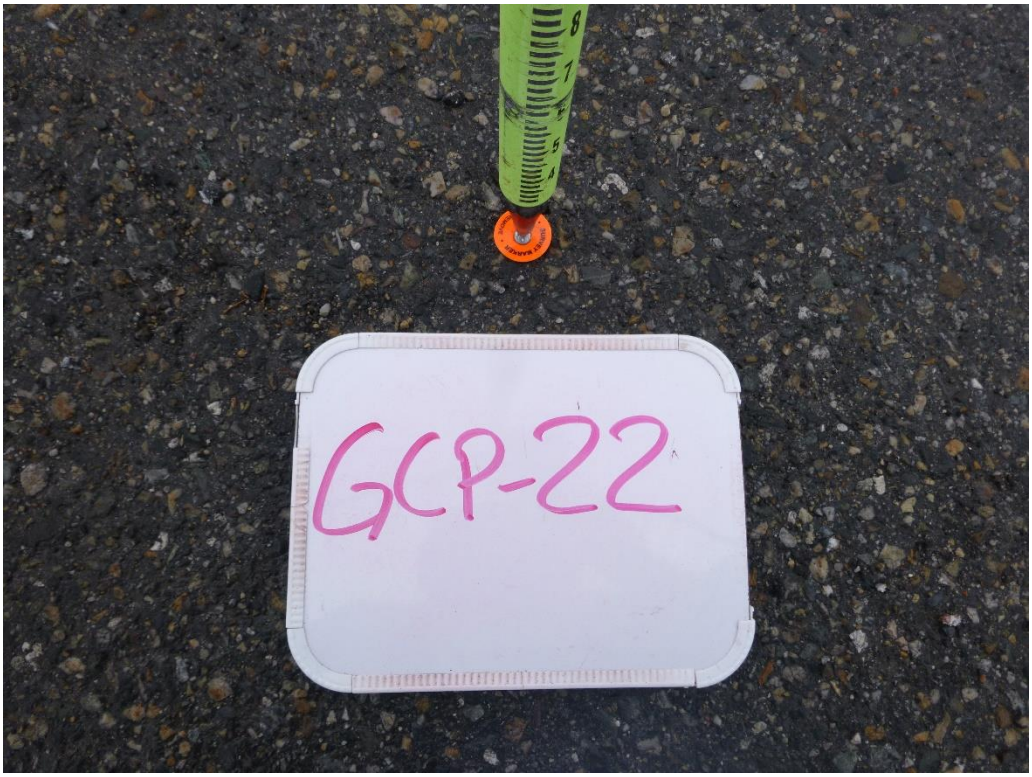
Date: 10-25-20 Time: 4:42 ☐ a.m. ☒ p.m.

Re-Check Point Number: GCP-22RC

Description of Point: SET NAIL IN PAVED ROAD

Sketch Area (NTS)




GCP-22

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10-25-2020 Time: 12:49 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 23

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☒ VRS GPS	RMS: _____ H: _____ V: _____ Duration: 3 MIN.
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN GRAVEL

PICTURES

☑ Picture(s) of Area & Setup

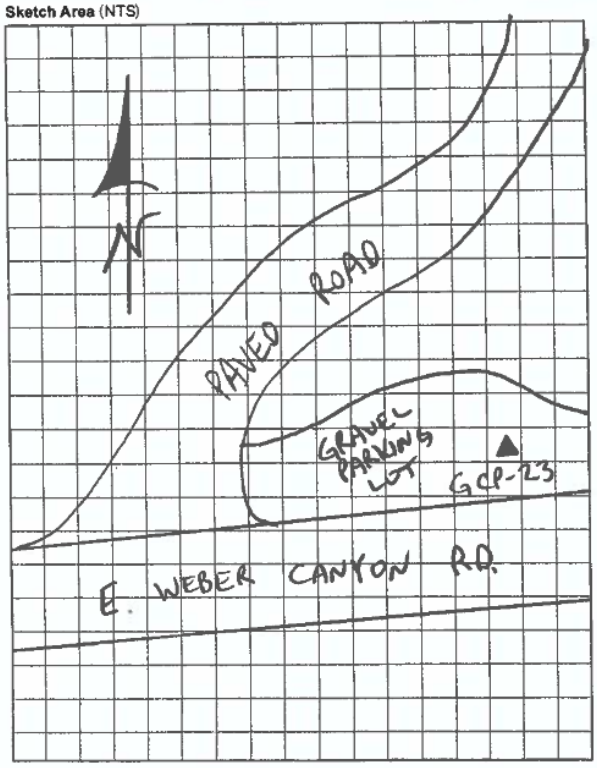
POINT RE-CHECK

Date: 10-25-20 Time: 4:58 ☐ a.m. ☒ p.m.

Re-Check Point Number: GCP-23RC

Description of Point:
SET NAIL IN GRAVEL PARKING LOT

Sketch Area (NTS)




GCP-23

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10-25-2020 Time: 1:10 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 24

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☒ VRS GPS	RMS: _____ H: _____ V: _____ Duration: 3 MIN.
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN PAVEMENT

PICTURES

- ☑ Picture(s) of Area & Setup

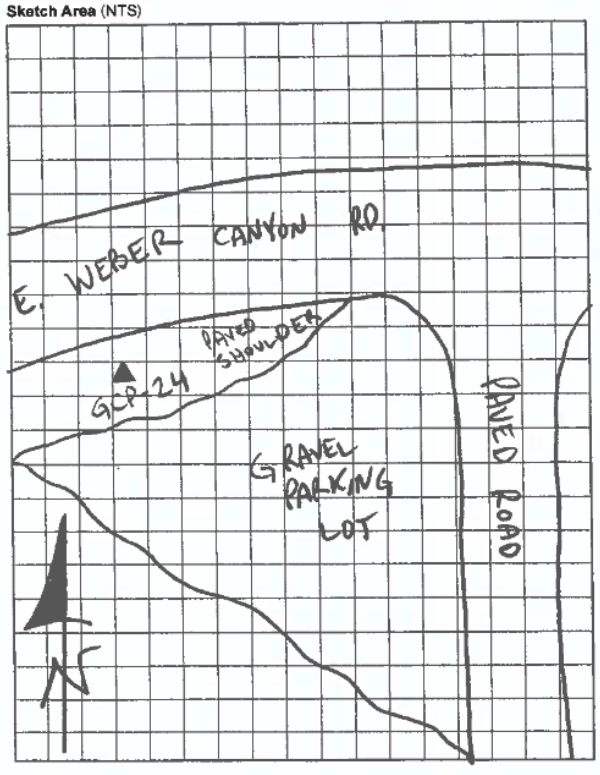
POINT RE-CHECK

Date: 10-25-20 Time: 5:19 ☐ a.m. ☒ p.m.

Re-Check Point Number: GCP-24RC

Description of Point:
SET NAIL IN PAVED SHOULDER

Sketch Area (NTS)




GCP-24

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

73782973.TOZ / 73782980.TOZ

Date: 10-23-2020 Time: 2:07 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 25

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☒ STATIC GPS	~~(30 min.)~~ 40 Start Time: 2:07 ☐ a.m. ☒ p.m. End: 2:47 ☐ a.m. ☒ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN GRAVEL

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

START - 9:39
STOP - 10:09

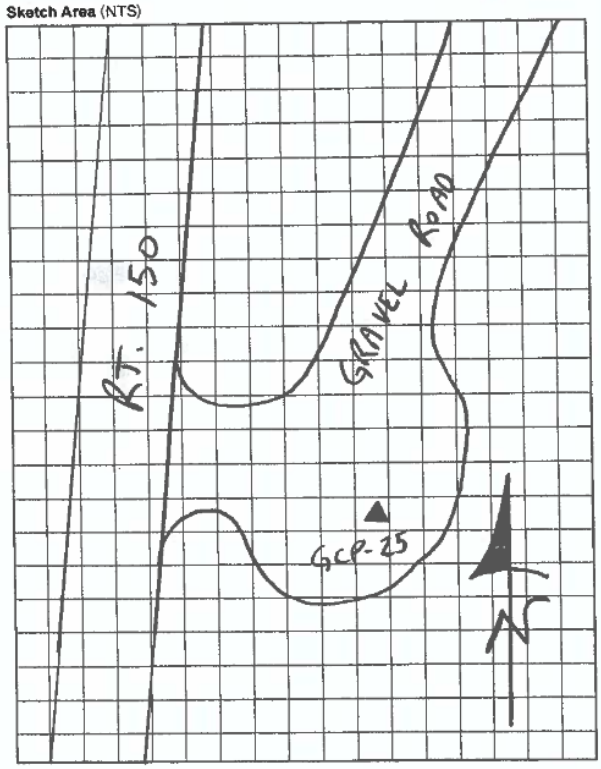
Date: 10-24-20 Time: _____ ☒ a.m. ☐ p.m.

Re-Check Point Number: GCP-25RC

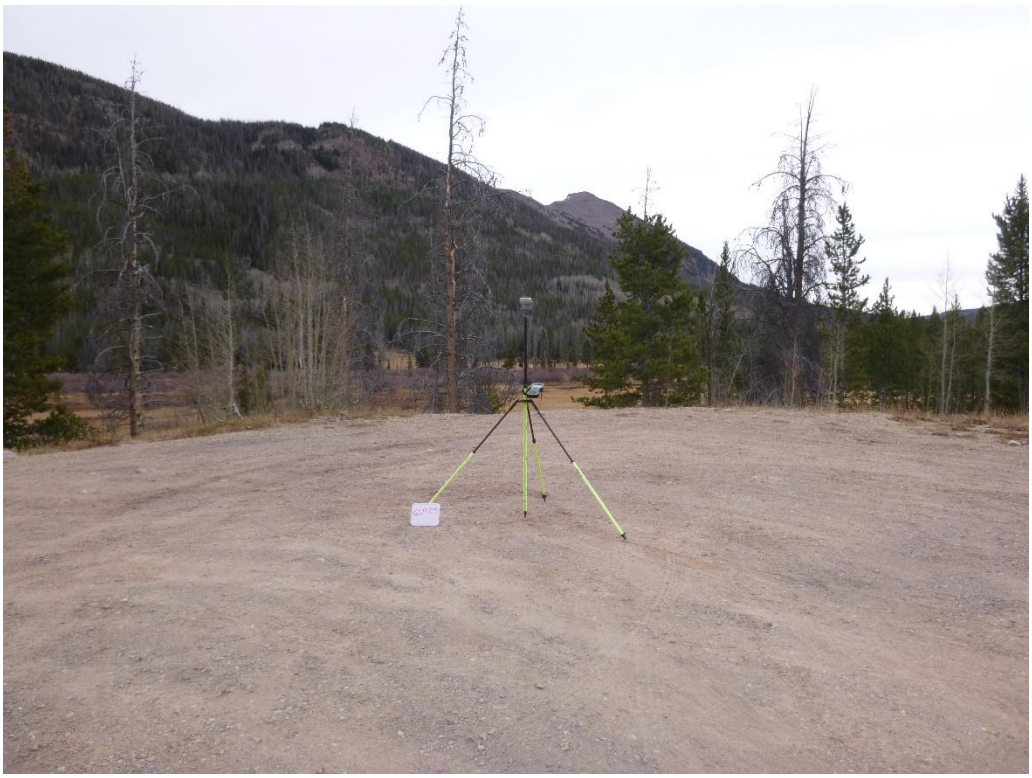
Description of Point:

SET NAIL IN GRAVEL ROAD

Sketch Area (NTS)




GCP-25



Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

73782972.T02

Date: 10-23-2020 Time: 1:19 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 26

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☒ STATIC GPS	~~45~~ (20 min.) Start Time: 1:19 ☐ a.m. ☒ p.m. End: 1:59 ☐ a.m. ☒ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☒ Other: NAIL IN DIRT

PICTURES

☑ Picture(s) of Area & Setup

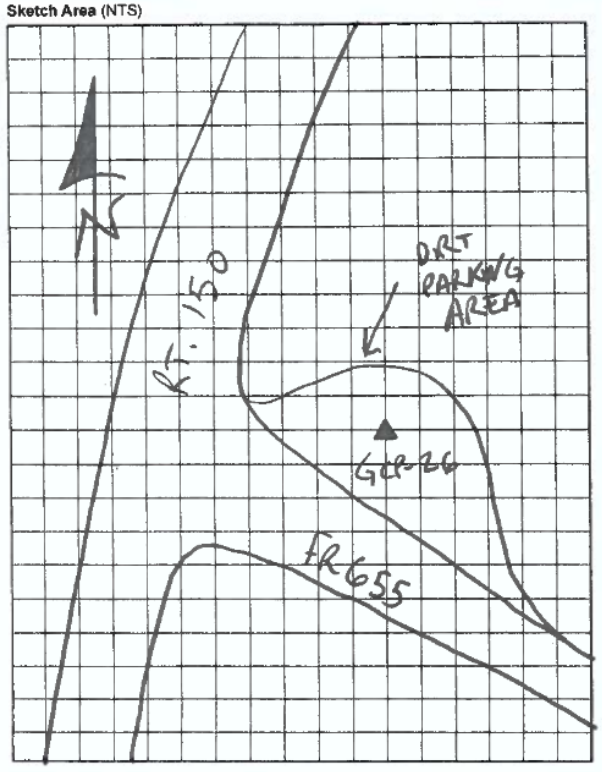
POINT RE-CHECK

Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:
SET NAIL IN DIRT PARKING AREA

Sketch Area (NTS)




GCP-26

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

7378289 1, TDZ

Date: 10-15-2020 Time: 3:59 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 27

State: UT Latitude: _____ ☐ + ☐ − Longitude: _____ ☐ + ☐ −

Address and/or Intersection: _____

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☒ STATIC GPS	40 ~~(20~~ min.) Start Time: 3:59 ☐ a.m. ☒ p.m. End: 4:39 ☐ a.m. ☒ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN GRAVEL

PICTURES

- ☑ Picture(s) of Area & Setup

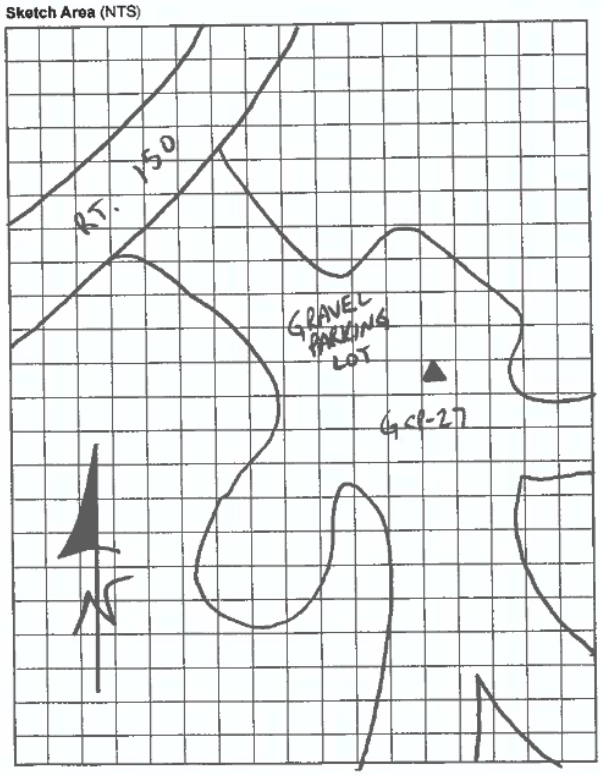
POINT RE-CHECK

Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:
SET NAIL IN GRAVEL PARKING LOT

Sketch Area (NTS)




GCP-27

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

7378296Z.TOZ

Date: 10-22-2020 Time: 2:40 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 28

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☒ STATIC GPS	~~(20~~ 40 min.) Start Time: 2:40 ☐ a.m. ☒ p.m. End: 3:20 ☐ a.m. ☒ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN DIRT

PICTURES

- ☑ Picture(s) of Area & Setup

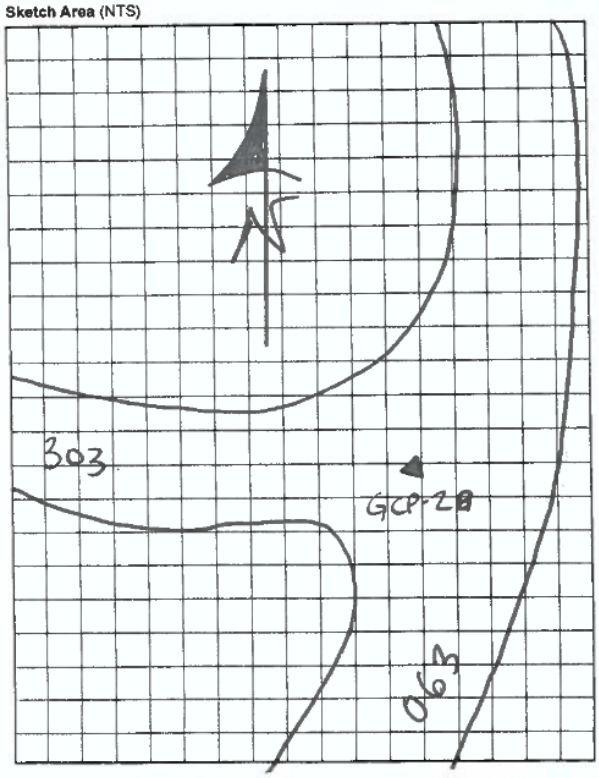
POINT RE-CHECK

Date: _____ Time: _____ ☐ a.m. ☐ p.m.

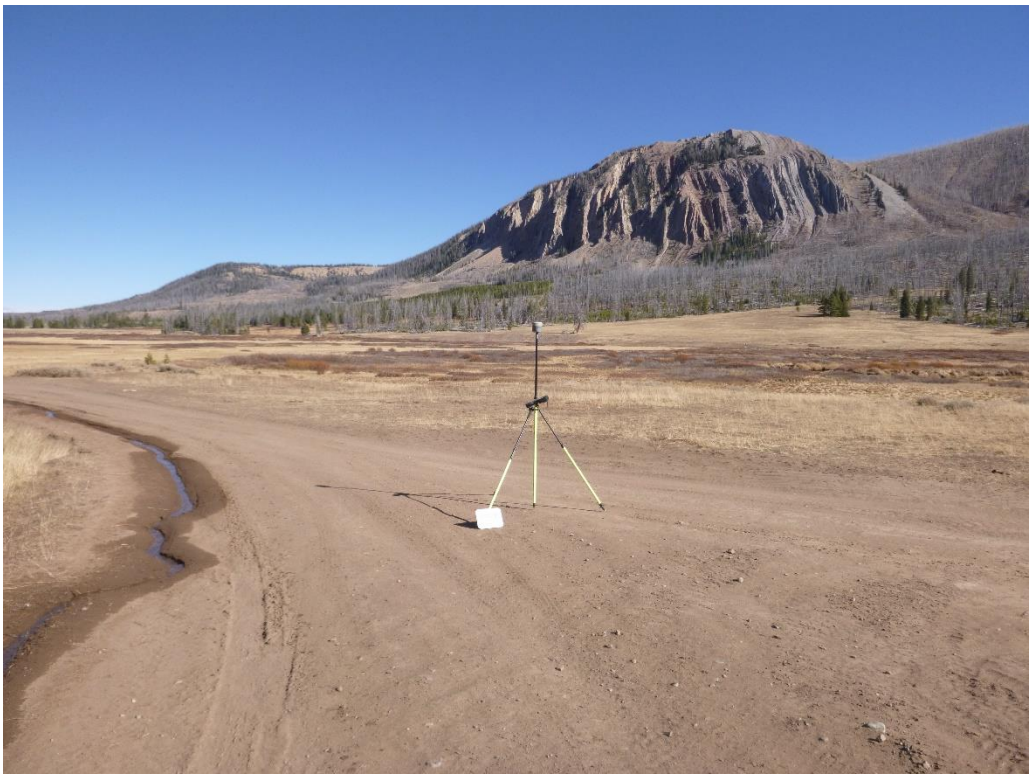
Re-Check Point Number: _____

Description of Point:
SET NAIL IN DIRT ROAD

Sketch Area (NTS)




GCP-28



Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

73782961, T02

Date: 10-22-2020 Time: 1:44 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 29

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☒ STATIC GPS	~~40~~ ~~(20 min.)~~ Start Time: 1:44 ☐ a.m. ☒ p.m. End: 2:24 ☐ a.m. ☒ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN DIRT

PICTURES

☑ Picture(s) of Area & Setup

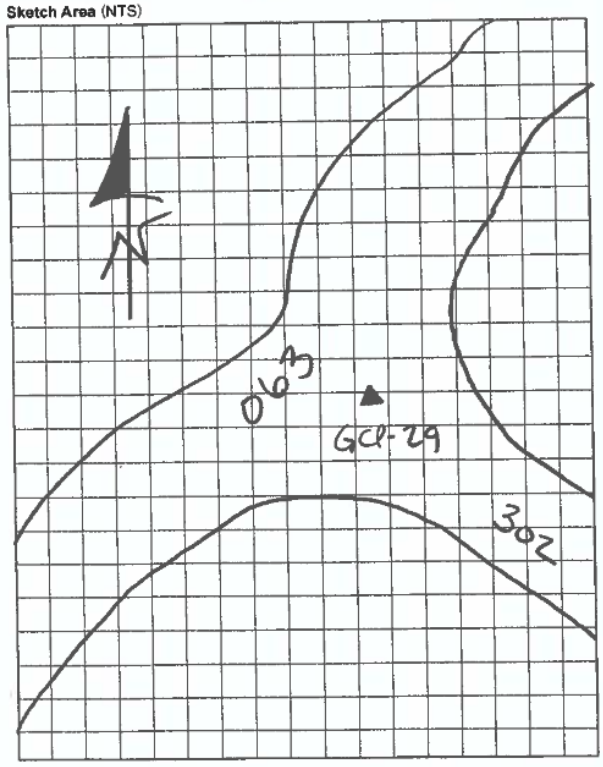
POINT RE-CHECK

Date: _____ Time: _____ ☐ a.m. ☐ p.m.

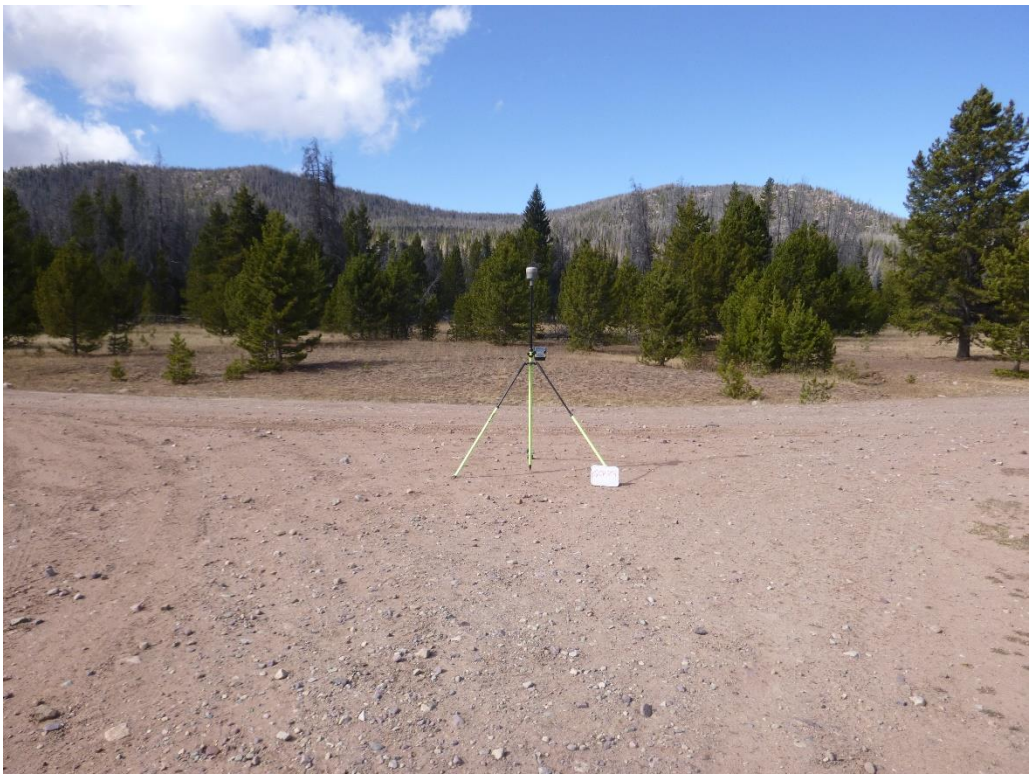
Re-Check Point Number: _____

Description of Point:
SET NAIL IN DIRT ROAD

Sketch Area (NTS)




GCP-29



Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

73782953.T02

Date: 10-21-2020 Time: 3:43 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 30

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☒ STATIC GPS	~~(30~~ 45 min.) Start Time: 3:43 ☐ a.m. ☒ p.m. End: 4:23 ☐ a.m. ☒ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN GRAVEL

PICTURES

☑ Picture(s) of Area & Setup

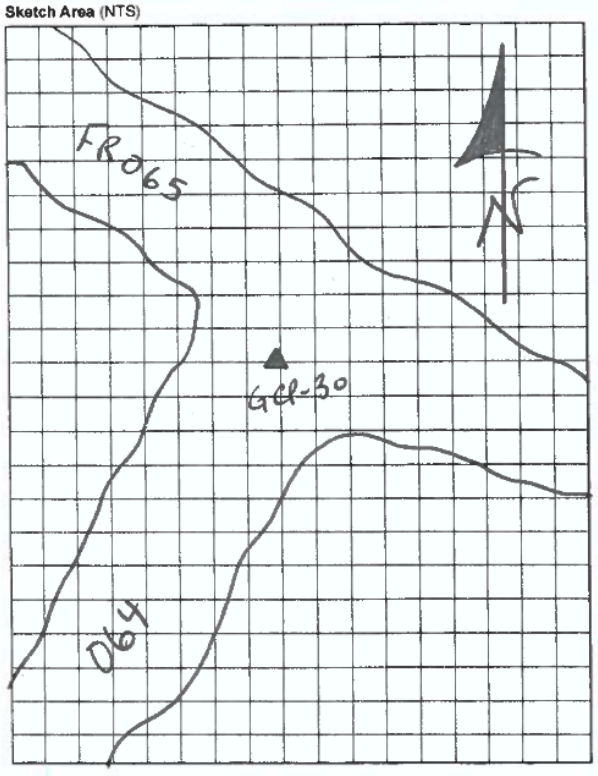
POINT RE-CHECK

Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:
SET NAIL IN GRAVEL ROAD

Sketch Area (NTS)




GCP-30

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

73782952.T02 / 73782960.T02

Date: 10-21-2020 Time: 2:52 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 31

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☒ STATIC GPS	~~(20 min.)~~ 45 Start Time: 2:52 ☐ a.m. ☒ p.m. End: 3:32 ☐ a.m. ☒ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN DIRT

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

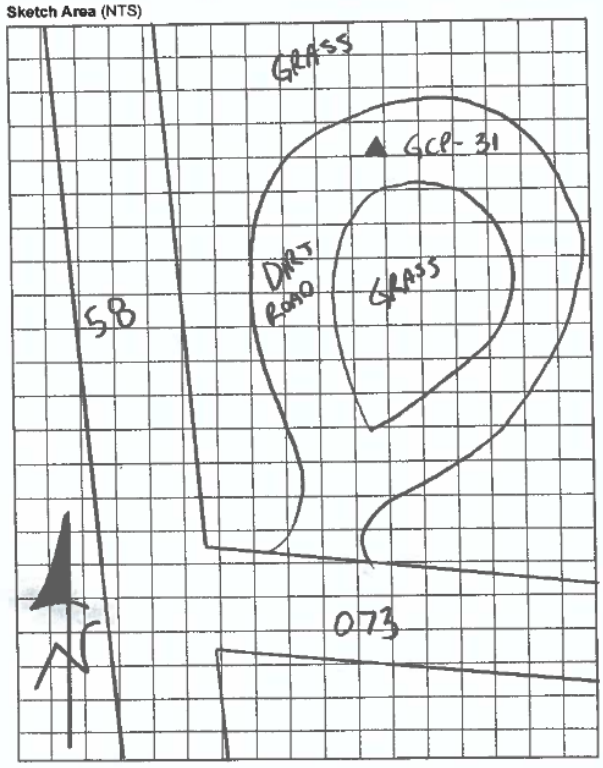
START - 12:30
STOP - 1:00

Date: 10-22-20 Time: _____ ☐ a.m. ☒ p.m.

Re-Check Point Number: GCP-31RC

Description of Point:
SET NAIL IN DIRT ROAD

Sketch Area (NTS)




GCP-31

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

7378234.702

Date: 10-14-2020 Time: 5:13 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 32

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☒ STATIC GPS	~~(20~~ 40 min.) Start Time: 5:13 ☐ a.m. ☒ p.m. End: 5:53 ☐ a.m. ☒ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN DIRT

PICTURES

- ☑ Picture(s) of Area & Setup

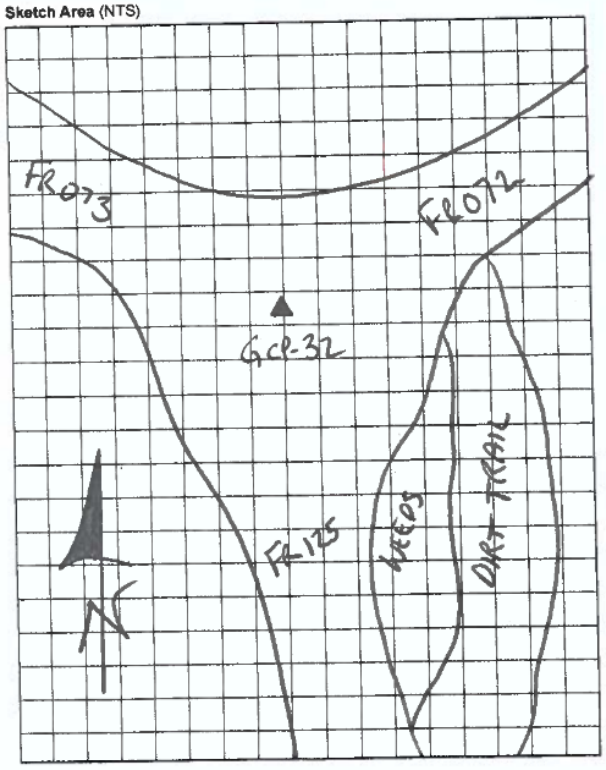
POINT RE-CHECK

Date: _____ Time: _____ ☐ a.m. ☐ p.m.

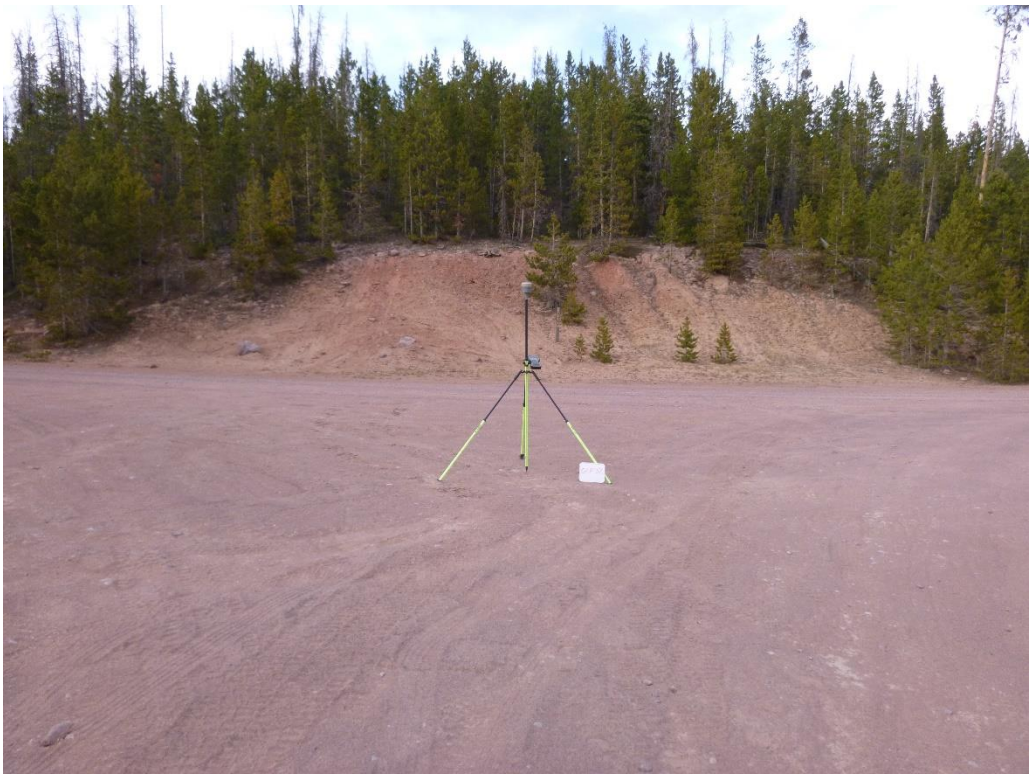
Re-Check Point Number: _____

Description of Point:
SET NAIL IN DIRT ROAD

Sketch Area (NTS)




GCP-32



Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

73782940, T02

Date: 10-19-2020 Time: 6:03 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 33

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☒ STATIC GPS	~~(20 min.)~~ 40 Start Time: 6:03 ☐ a.m. ☒ p.m. End: 6:43 ☐ a.m. ☒ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN DIRT

PICTURES

- ☑ Picture(s) of Area & Setup

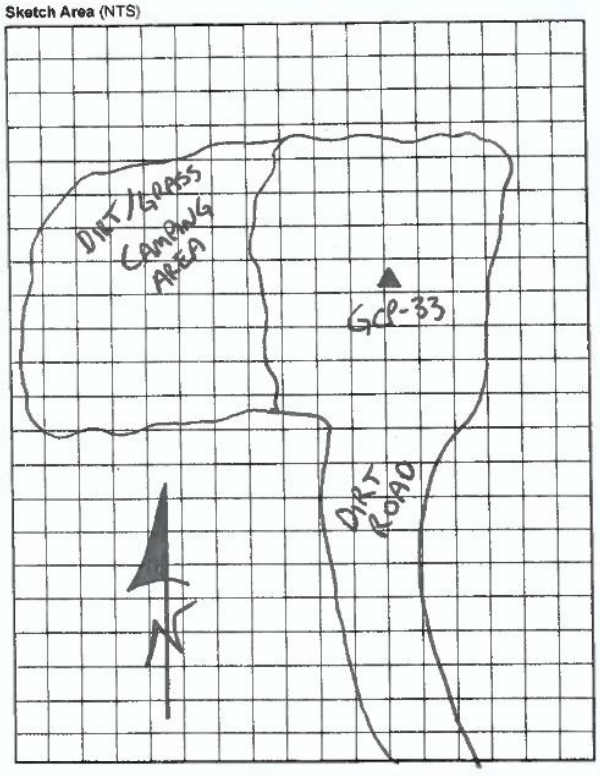
POINT RE-CHECK

Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:
SET NAIL IN DIRT ROAD

Sketch Area (NTS)




GCP-33

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

7378293, T0Z

Date: 10-19-2020 Time: 4:25 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 34

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☒ STATIC GPS	~~40~~ (20 min.) Start Time: 4:25 ☐ a.m. ☒ p.m. End: 5:05 ☐ a.m. ☒ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☒ Other: NAIL IN GRAVEL

PICTURES

☑ Picture(s) of Area & Setup

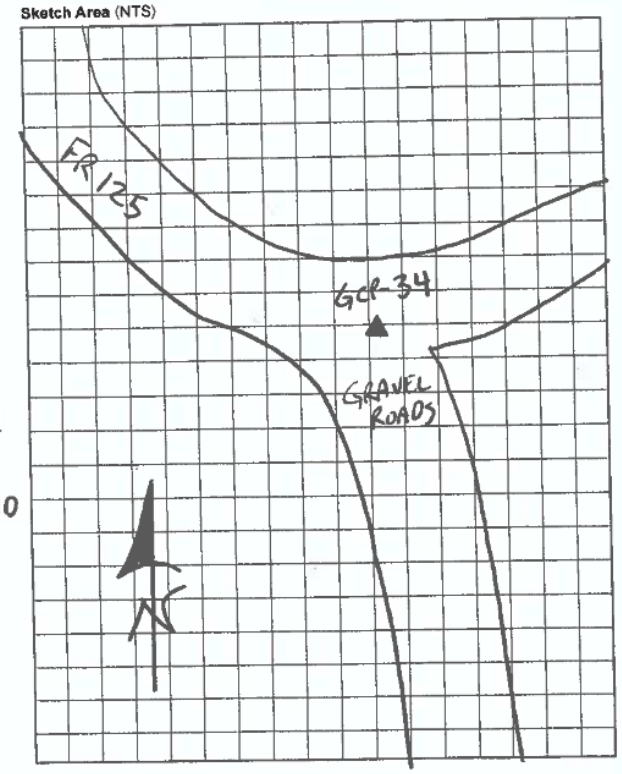
POINT RE-CHECK

Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:
SET NAIL IN GRAVEL ROAD

Sketch Area (NTS)




GCP-34

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

73782922.TOZ

Date: 10-18-2020 Time: 1:43 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 35

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☒ STATIC GPS	~~(10 min.)~~ (20 min.) Start Time: 1:43 ☐ a.m. ☒ p.m. End: 2:23 ☐ a.m. ☒ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN GRAVEL

PICTURES

- ☑ Picture(s) of Area & Setup

POINT RE-CHECK

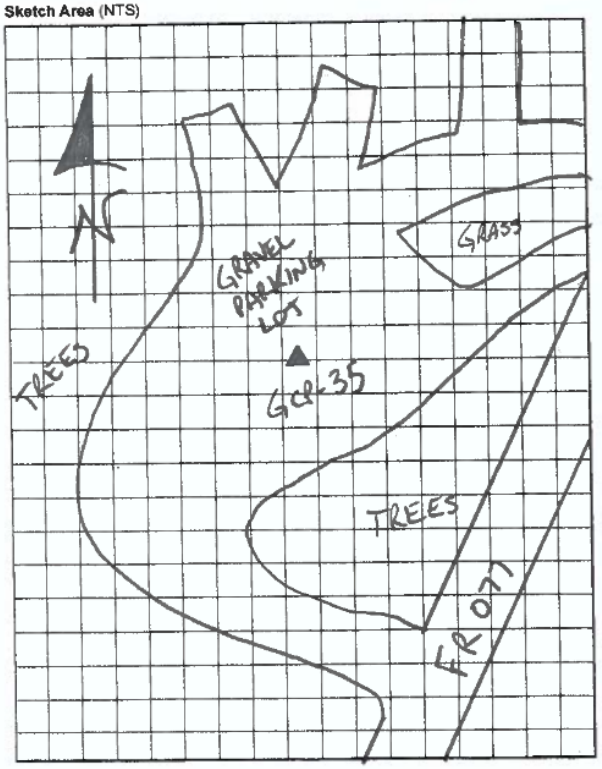
Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:

SET NAIL IN GRAVEL PARKING LOT

Sketch Area (NTS)




GCP-35

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

73782923.T02

Date: 10-18-2020 Time: 2:32 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 36

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☒ STATIC GPS	~~(20~~ 40 min.) Start Time: 2:32 ☐ a.m. ☒ p.m. End: 3:12 ☐ a.m. ☒ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN DIRT

PICTURES

☑ Picture(s) of Area & Setup

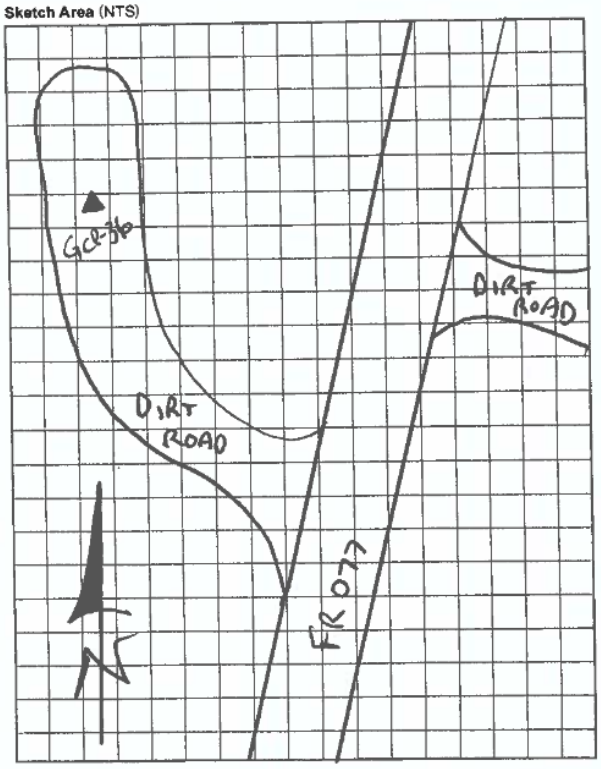
POINT RE-CHECK

Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:
SET NAIL IN DIRT ROAD

Sketch Area (NTS)




GCP-36

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

73782924.T02 / 73782931.T02

Date: 10-18-2020 Time: 3:28 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 37

State: UT Latitude: ☐ + ☐ – Longitude: ☐ + ☐ –

Address and/or Intersection:

OBSERVATION METHOD

☐ VRS GPS	RMS: ____ H: ____ V: ____ Duration: ____
☒ STATIC GPS	~~40~~ (20 min.) Start Time: 3:28 ☐ a.m. ☒ p.m. End: 4:08 ☐ a.m. ☒ p.m.
☐ Conventional Pairs VRS	Point Number: ____ RMS: ____ H: ____ V: ____ Duration: ____ Point Number: ____ RMS: ____ H: ____ V: ____ Duration: ____
☐ Conventional Pairs STATIC	(20 min.) Point Number: ____ Start Time: ____ ☐ a.m. ☐ p.m. End Time: ____ ☐ a.m. ☐ p.m. Point Number: ____ Start Time: ____ ☐ a.m. ☐ p.m. End Time: ____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN GRASS

PICTURES

☑ Picture(s) of Area & Setup

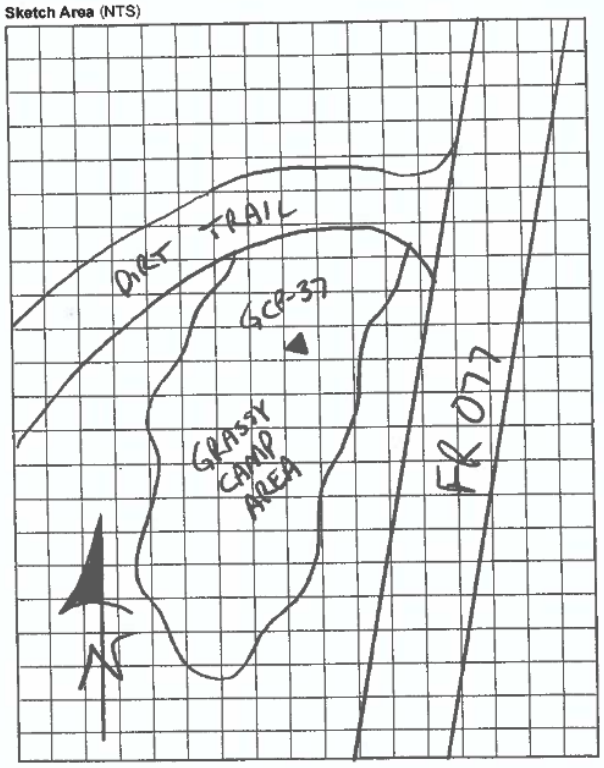
POINT RE-CHECK START - 1:47 STOP - 2:17

Date: 10-19-20 Time: ____ ☐ a.m. ☒ p.m.

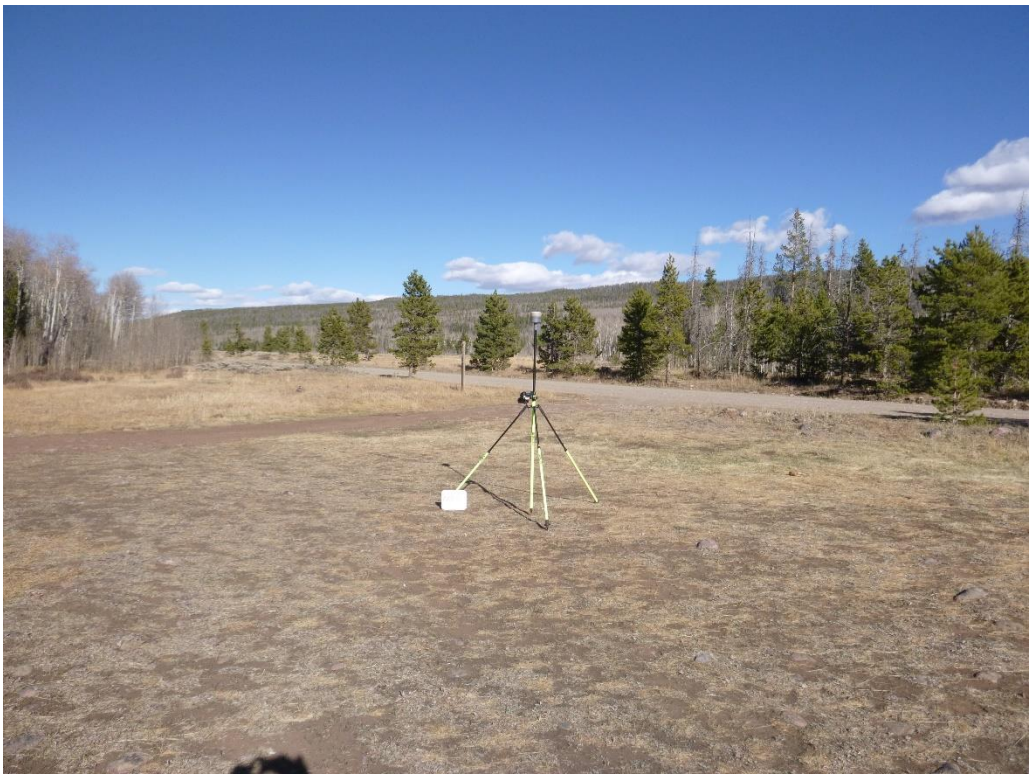
Re-Check Point Number: GCP-37RC

Description of Point:
SET NAIL IN GRASS

Sketch Area (NTS)




GCP-37



Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

73782911.T02 / 73782915.T02

Date: 10-17-2020 Time: 12:52 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 38

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☒ STATIC GPS	40 (~~20~~ min.) Start Time: 12:52 ☐ a.m. ☒ p.m. End: 1:32 ☐ a.m. ☒ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN DIRT

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

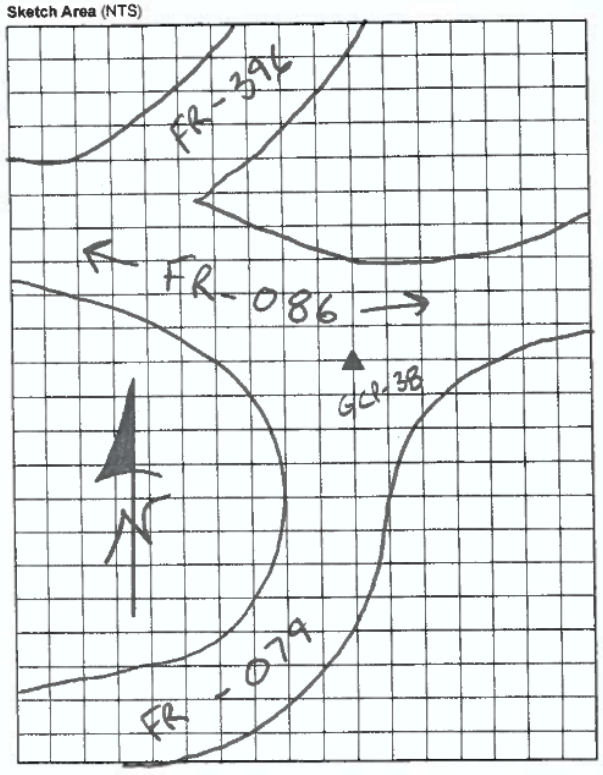
START – 5:10
STOP – 5:40

Date: 10-17-20 Time: _____ ☐ a.m. ☒ p.m.

Re-Check Point Number: GCP-38RC

Description of Point:
SET NAIL IN DIRT ROAD

Sketch Area (NTS)




GCP-38

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

73782910, T02

Date: 10-17-2020 Time: 11:59 ☒ a.m. ☐ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 39

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☒ STATIC GPS	~~40~~ (20 min.) Start Time: 11:59 ☒ a.m. ☐ p.m. End: 12:39 ☐ a.m. ☒ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN DIRT

PICTURES

☑ Picture(s) of Area & Setup

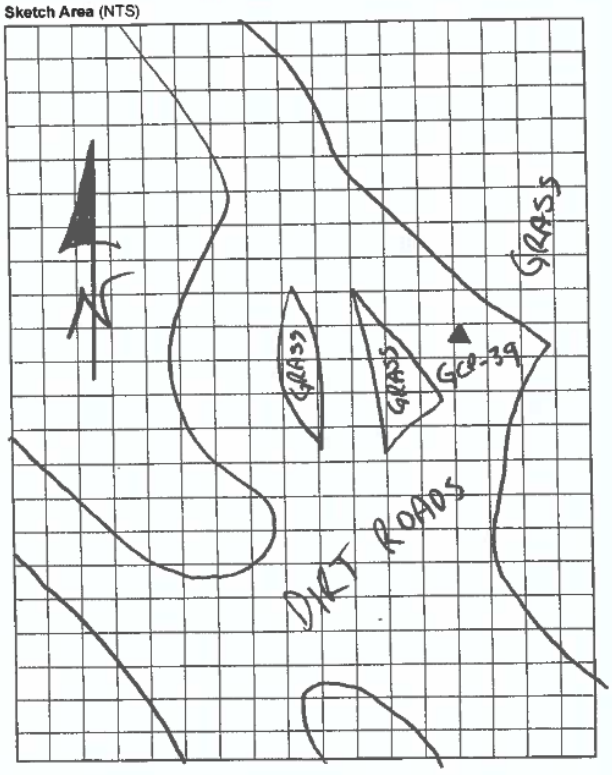
POINT RE-CHECK

Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:
SET NAIL IN DIRT ROAD

Sketch Area (NTS)




GCP-39


GCP-39

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

7378291 2.T02

Date: 10-17-2020 Time: 1:40 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 40

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☒ STATIC GPS	(~~20~~ 40 min.) Start Time: 1:40 ☐ a.m. ☒ p.m. End: 2:20 ☐ a.m. ☒ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☒ Other: NAIL IN GRASS

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

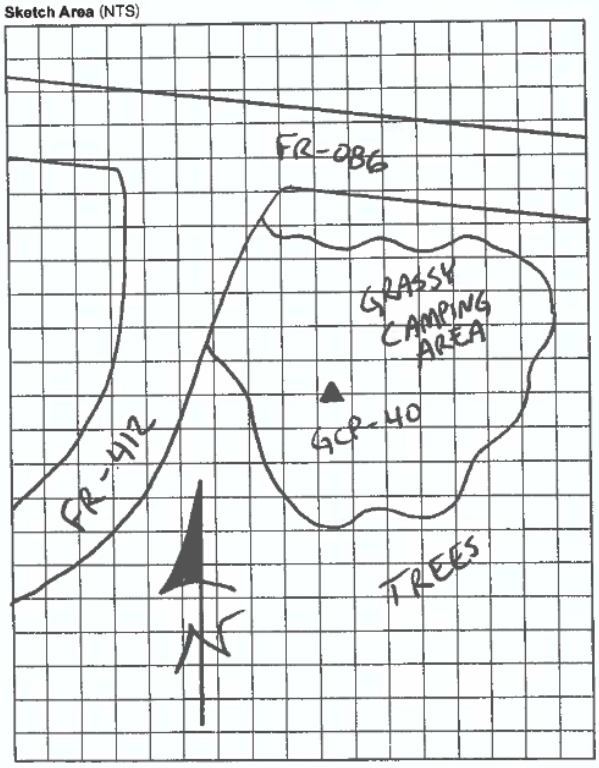
Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:

SET NAIL IN GRASSY CAMPING AREA

Sketch Area (NTS)




GCP-40

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/26/2020 Time: 2:38 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-101

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area on FR-017

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☑ STATIC GPS	(20 min.) Start Time: 2:38 ☐ a.m. ☑ p.m. End: 3:13 ☐ a.m. ☑ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

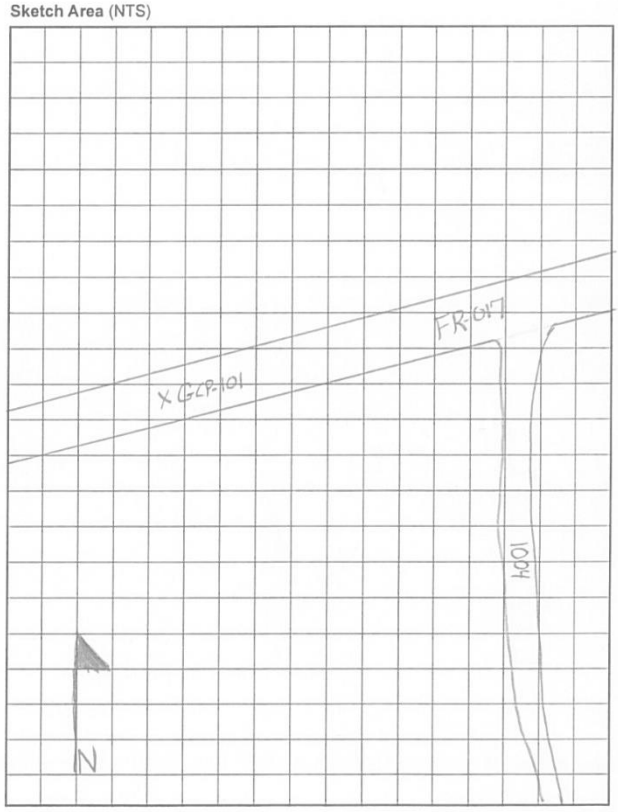
Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:

Nail set in open area

Sketch Area (NTS)




GCP-101


GCP-101

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/26/2020 Time: 11:02 ☑ a.m. ☐ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-102

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area on FR-198 & 1021

OBSERVATION METHOD

☑ VRS GPS	RMS: 1.3 H: 0.005m V: 0.008m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

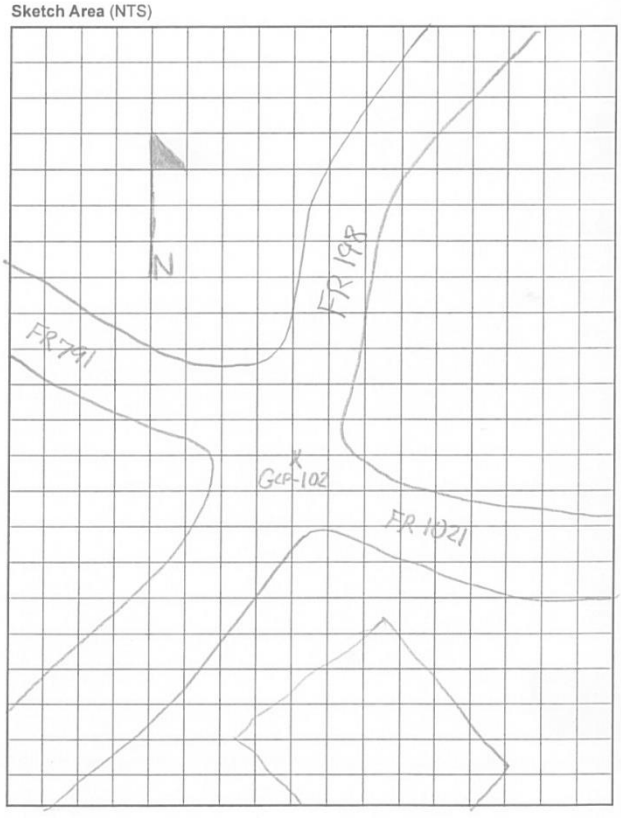
Date: 09/27/2020 Time: 11:50 ☑ a.m. ☐ p.m.

Re-Check Point Number: GCP-102RC

Description of Point:

Nail set in open area.

Sketch Area (NTS)




GCP-102

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10/06/2020 Time: 12:18 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-103

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area on 011

OBSERVATION METHOD

☑ VRS GPS	RMS: 1.3 H: 0.007m V: 0.009m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

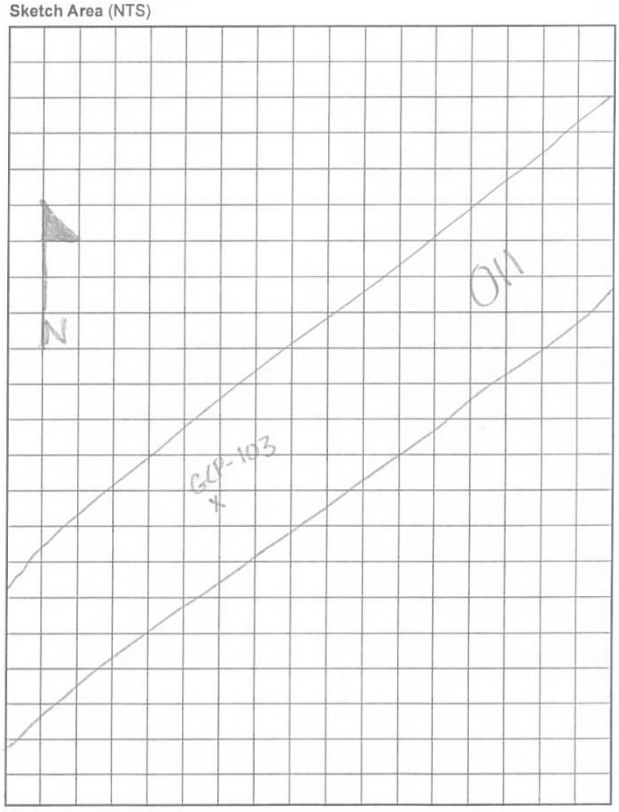
Date: 10/07/2020 Time: 1:41 ☐ a.m. ☑ p.m.

Re-Check Point Number: GCP-103RC

Description of Point:

Nail set in Open area

Sketch Area (NTS)




GCP-103


GCP-103

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10/08/2020 Time: 8:56 ☑ a.m. ☐ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-104

State: Utah Latitude: ☐ + ☐ − Longitude: ☐ + ☐ −

Address and/or Intersection: Open area on 2000 N

OBSERVATION METHOD

☑ VRS GPS	RMS: 1.5 H: 0.006m V: 0.011m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: ☐ a.m. ☐ p.m. End: ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: RMS: H: V: Duration: Point Number: RMS: H: V: Duration:
☐ Conventional Pairs STATIC	(20 min.) Point Number: Start Time: ☐ a.m. ☐ p.m. End Time: ☐ a.m. ☐ p.m. Point Number: Start Time: ☐ a.m. ☐ p.m. End Time: ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

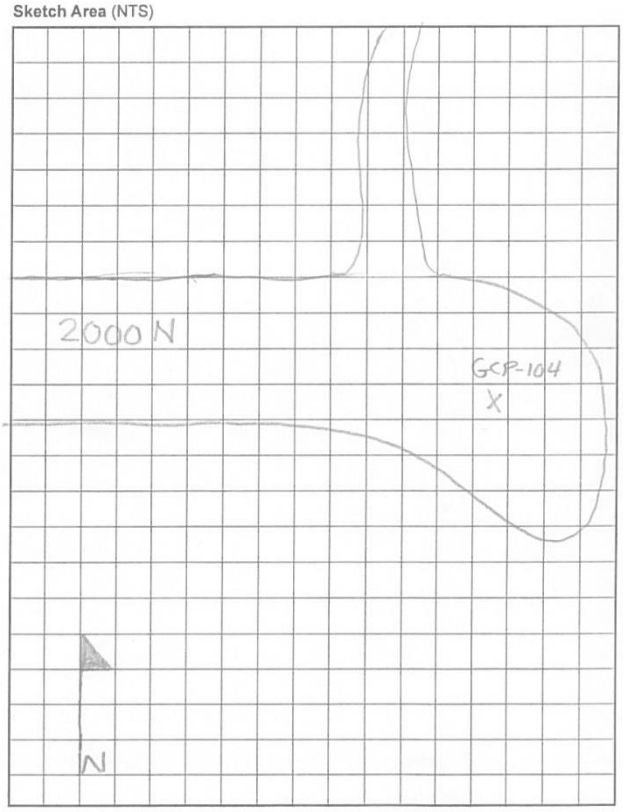
Date: 10/09/2020 Time: 9:55 ☑ a.m. ☐ p.m.

Re-Check Point Number: GCP-104RC

Description of Point:

Nail set in open area

Sketch Area (NTS)




GCP-104

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10/03/2020 Time: 4:29 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-105

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area in parking lot off of E Kolob Canyon Rd

OBSERVATION METHOD

☑ VRS GPS	RMS: 1.6 H: 0.004m V: 0.008m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

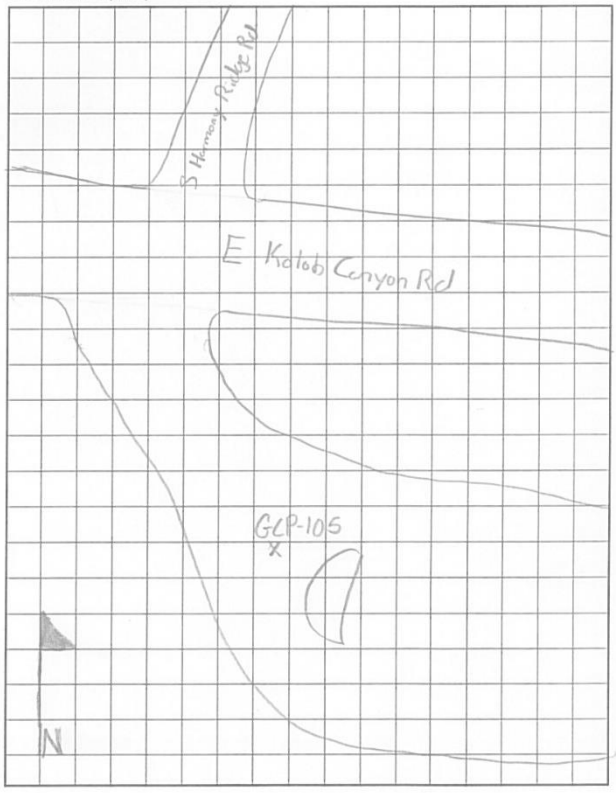
Date: 10/04/2020 Time: 9:48 ☑ a.m. ☐ p.m.

Re-Check Point Number: GCP-105RC

Description of Point:

Nail set in open area

Sketch Area (NTS)




GCP-105

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10/11/2020 Time: 10:58 ☑ a.m. ☐ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-106

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area on Kolob Terrace Rd. * Had to move due to private property

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☑ STATIC GPS	(20 min.) Start Time: 10:58 ☑ a.m. ☐ p.m. End: 11:28 ☑ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

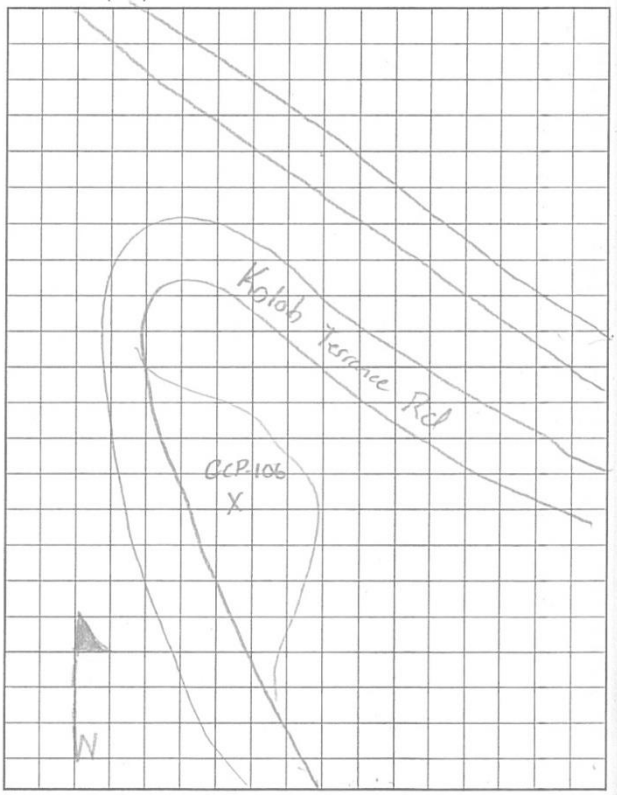
Date: _____ Time: _____ ☐ a.m. ☐ p.m.

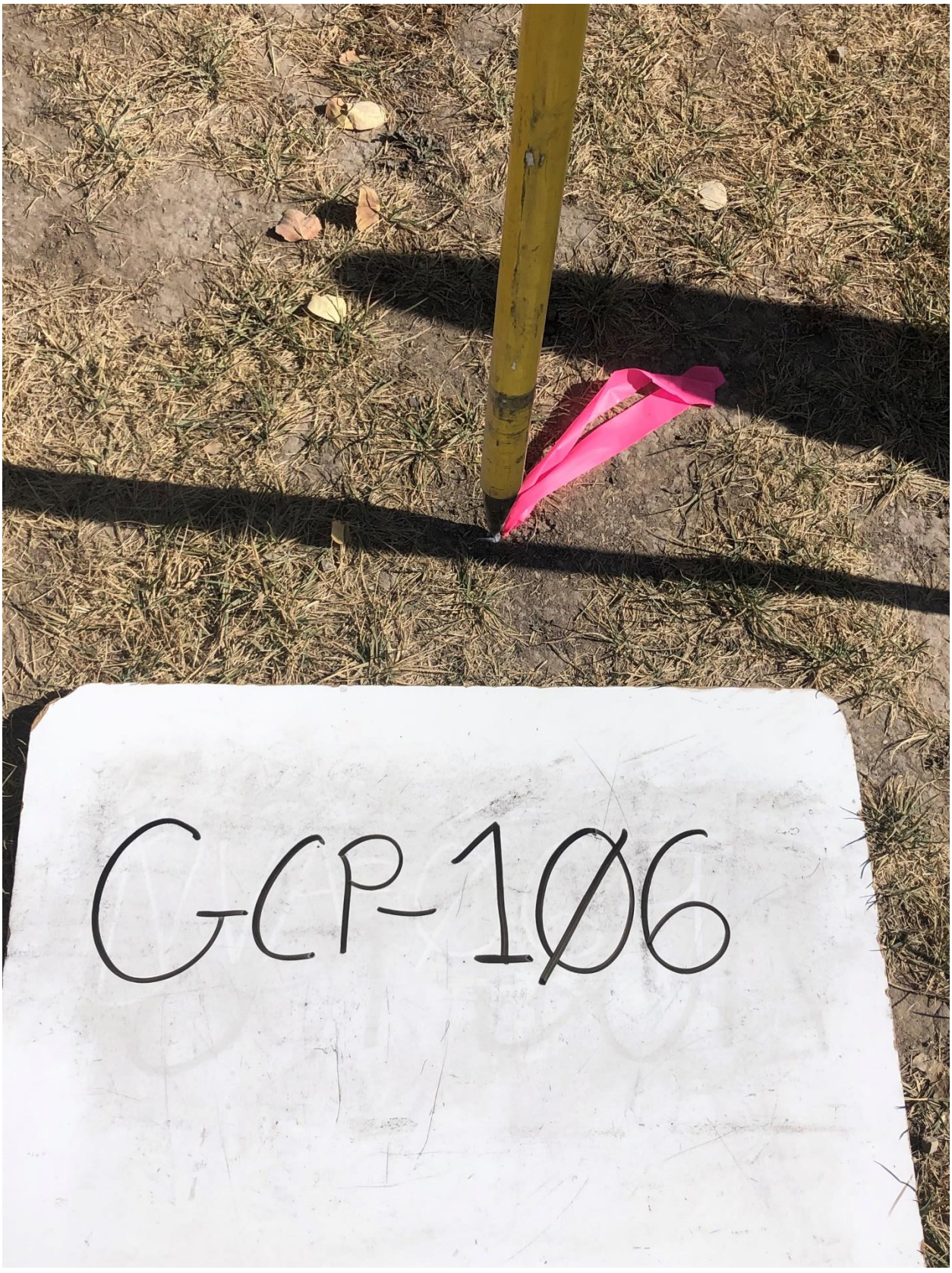
Re-Check Point Number: _____

Description of Point:

Nail set in open area

Sketch Area (NTS)




GCP-106


GCP-106

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

73783050.T02

Date: 10-31-2020 Time: 12:45 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 107

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☒ STATIC GPS	~~(20 min.)~~ 45 Start Time: 12:45 ☐ a.m. ☒ p.m. End: 1:30 ☐ a.m. ☒ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN DIRT ROAD

PICTURES

☑ Picture(s) of Area & Setup

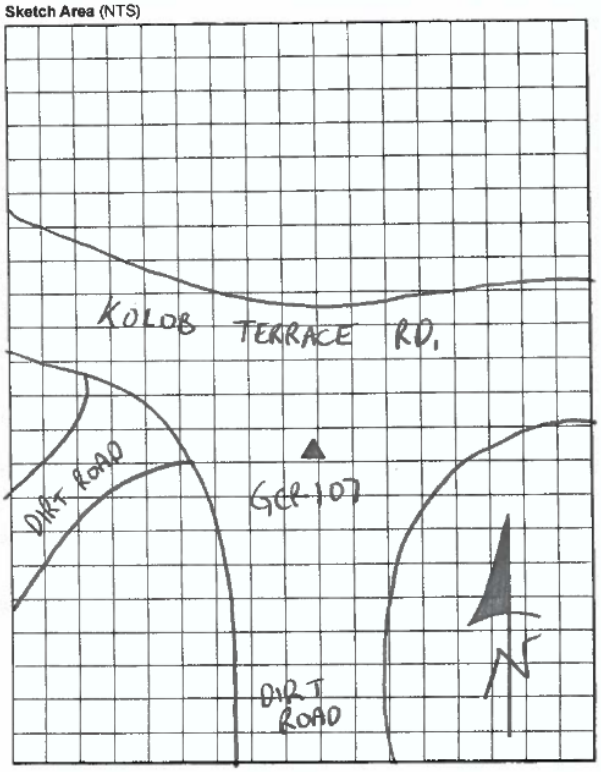
POINT RE-CHECK

Date: _____ Time: _____ ☐ a.m. ☐ p.m.

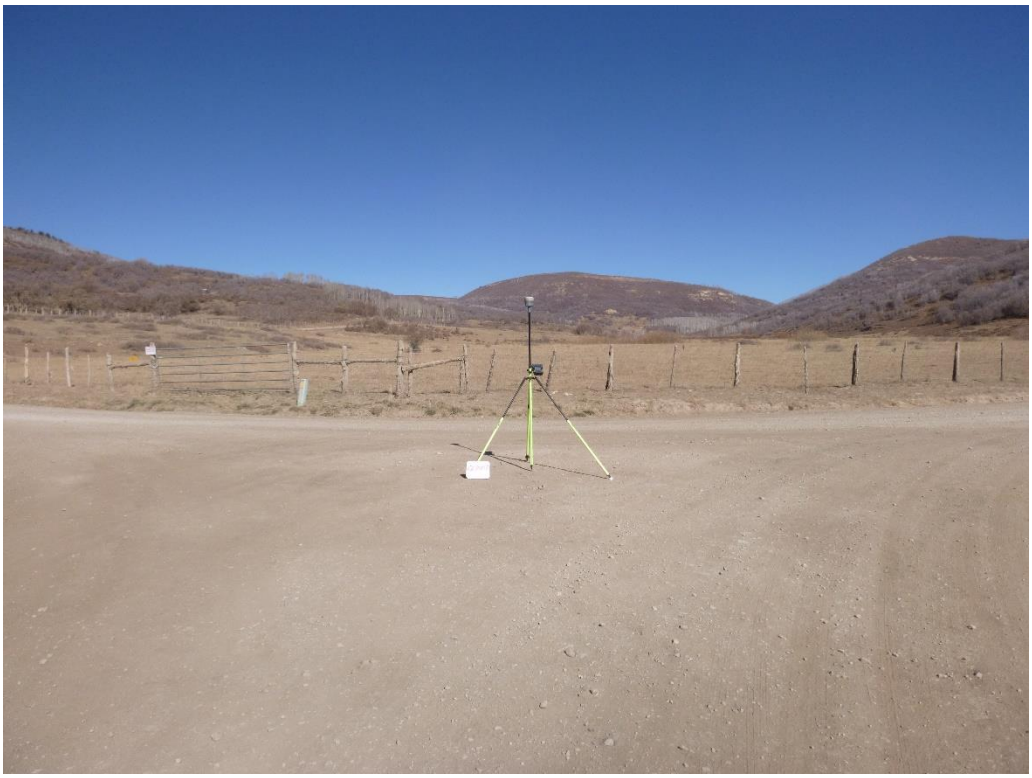
Re-Check Point Number: _____

Description of Point:
SET NAIL IN DIRT ROAD

Sketch Area (NTS)




GCP-107



Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10/1/2020 Time: 4:11 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-108

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area on Rd off of Gold Creek Dr

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☑ STATIC GPS	(20 min.) Start Time: 4:11 ☐ a.m. ☑ p.m. End: 4:41 ☐ a.m. ☑ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

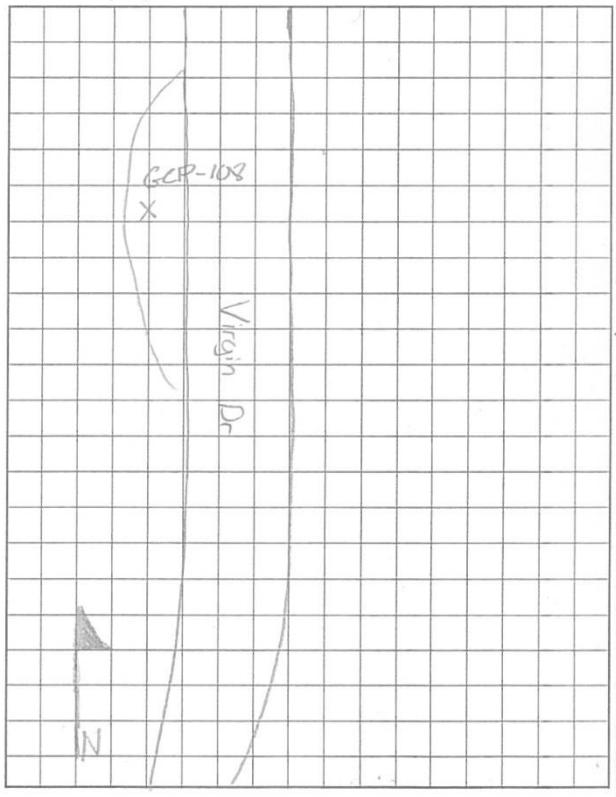
Date: _____ Time: _____ ☐ a.m. ☐ p.m.

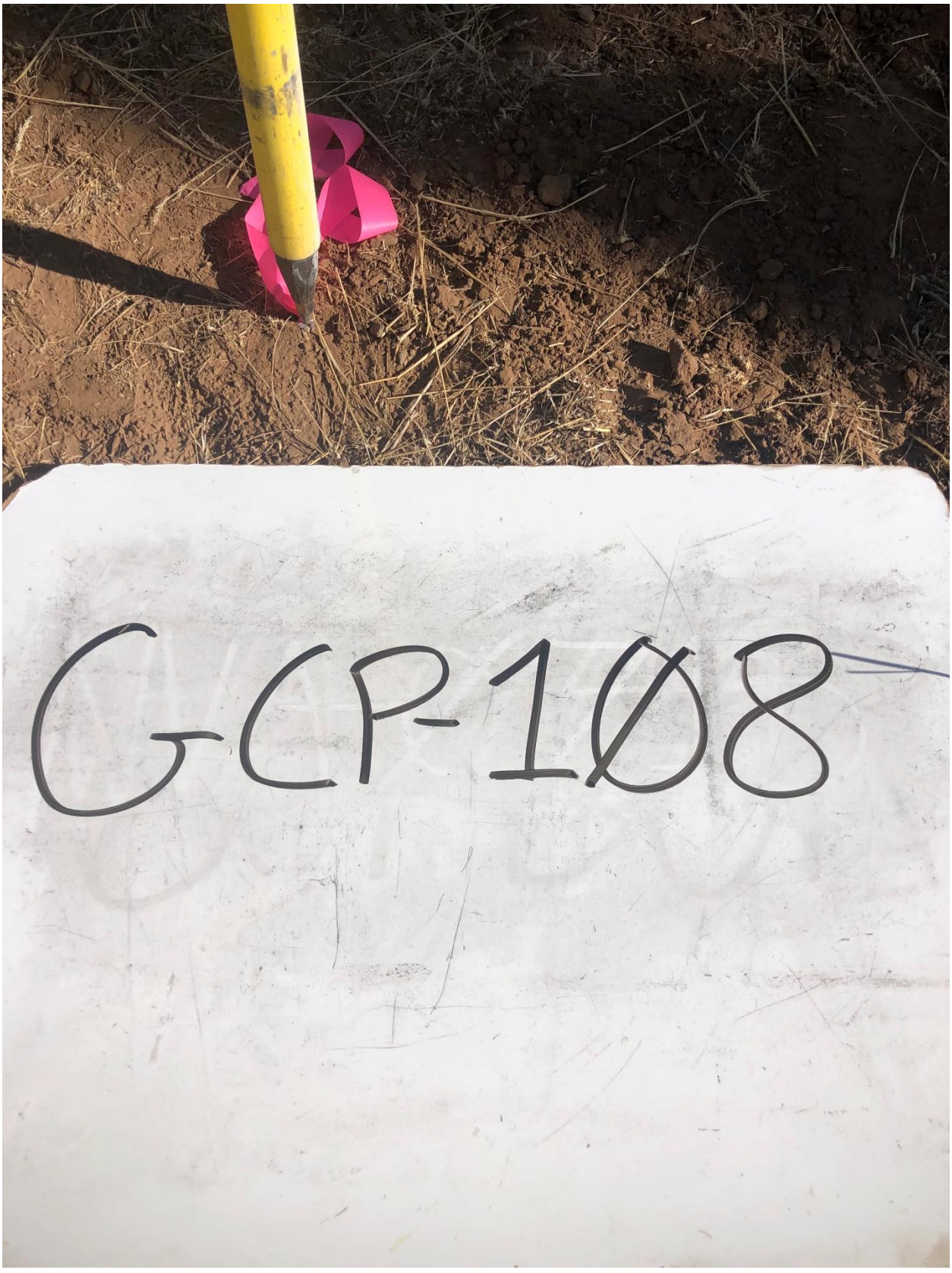
Re-Check Point Number: _____

Description of Point:

Nail set in open area

Sketch Area (NTS)




G-CP-108


GCP108

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10/11/2020 Time: 1:05 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-109

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area on Kolob Terrance Rd

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☑ STATIC GPS	(20 min.) Start Time: 1:05 ☐ a.m. ☑ p.m. End: 1:35 ☐ a.m. ☑ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

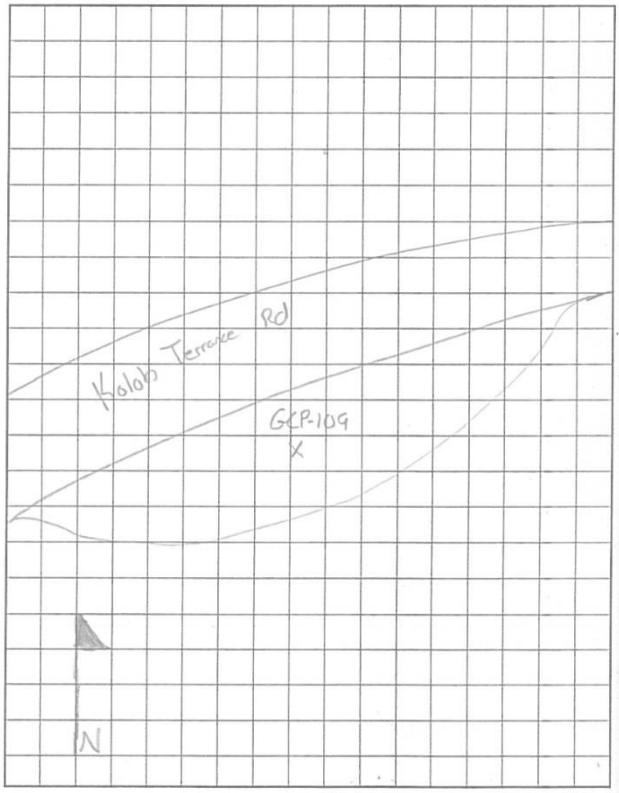
Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:

Nail set in open area.

Sketch Area (NTS)




GCP-109


GCP-109

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10/09/2020 Time: 10:37 ☑ a.m. ☐ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-110

State: Utah Latitude: _____ ☐ + ☐ − Longitude: _____ ☐ + ☐ −

Address and/or Intersection: Open area on 2600E, ☆ Moved 29 miles NE due to gate blocking path

OBSERVATION METHOD

☑ VRS GPS	RMS: 1.6 H: 0.009m V: 0.022m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

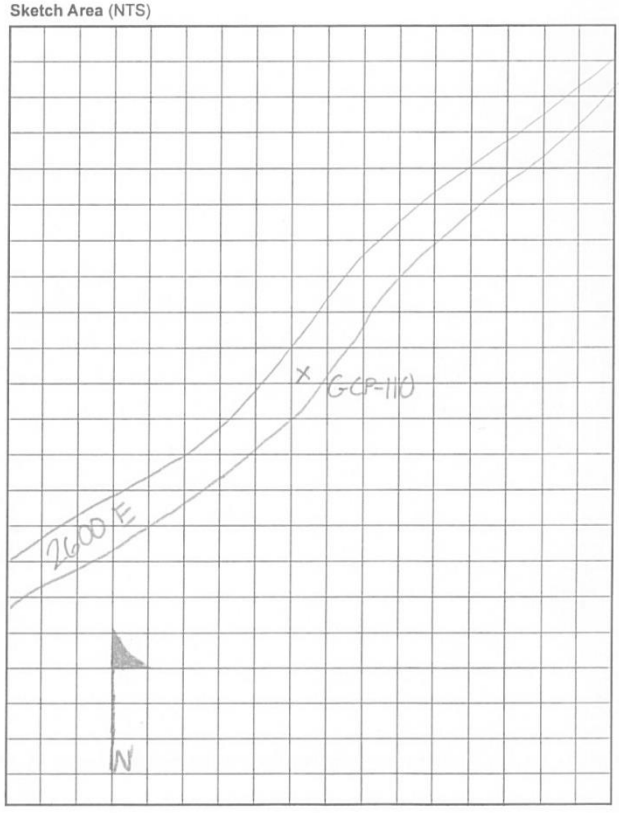
Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:

Nail set in open area

Sketch Area (NTS)




GCP-110

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10/05/2020 Time: 5:32 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-111

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area on 001

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☑ STATIC GPS	(20 min.) Start Time: 5:32 ☐ a.m. ☑ p.m. End: 6:02 ☐ a.m. ☑ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☑ Other: Open Area

PICTURES

- ☑ Picture(s) of Area & Setup

POINT RE-CHECK

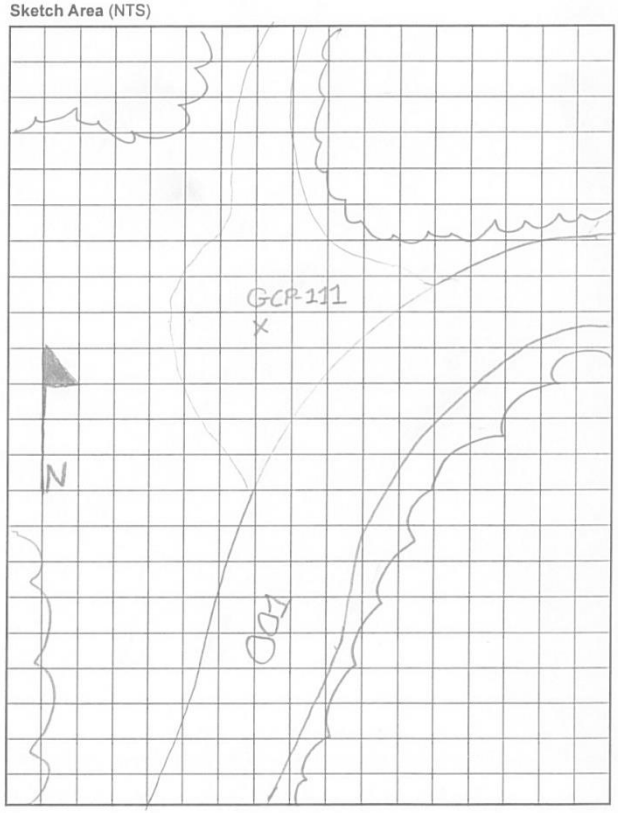
Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:

Nail set in open area.

Sketch Area (NTS)




GCP-111


GCP-111

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10/05/2020 Time: 10:35 ☒ a.m. ☐ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-112

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area on Mutogna Rd

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☑ STATIC GPS	(20 min.) Start Time: 10:35 ☑ a.m. ☐ p.m. End: 11:05 ☑ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

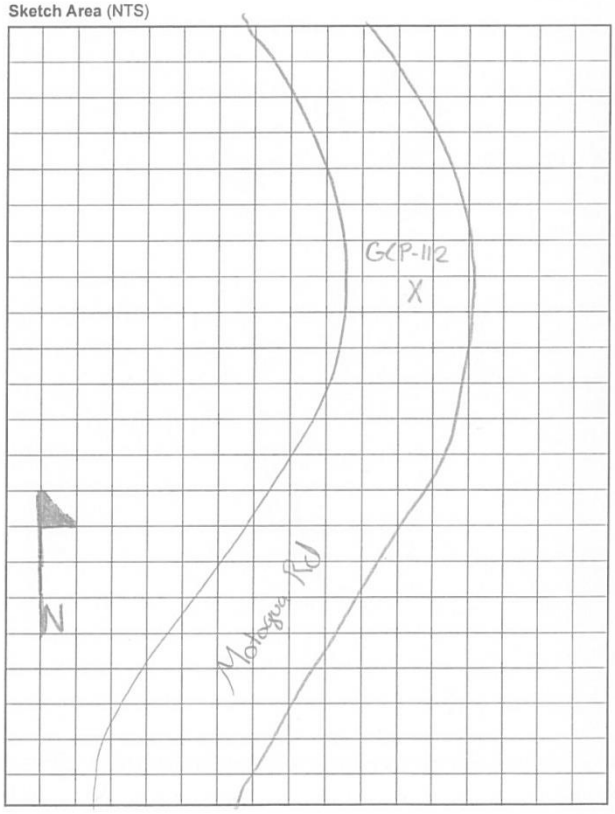
Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:

Nail set in open area

Sketch Area (NTS)




GCP-112


GCP-112

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/26/2020 Time: 9:06 ☐ a.m. ☐ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-113

State: Utah Latitude: ☐ + ☐ – Longitude: ☐ + ☐ –

Address and/or Intersection: Open area at end of Dammeron Valley Ranch Rd E

OBSERVATION METHOD

☑ VRS GPS	RMS: 2.2 H: 0.007m V: 0.018m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: ☐ a.m. ☐ p.m. End: ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: RMS: H: V: Duration: Point Number: RMS: H: V: Duration:
☐ Conventional Pairs STATIC	(20 min.) Point Number: Start Time: ☐ a.m. ☐ p.m. End Time: ☐ a.m. ☐ p.m. Point Number: Start Time: ☐ a.m. ☐ p.m. End Time: ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

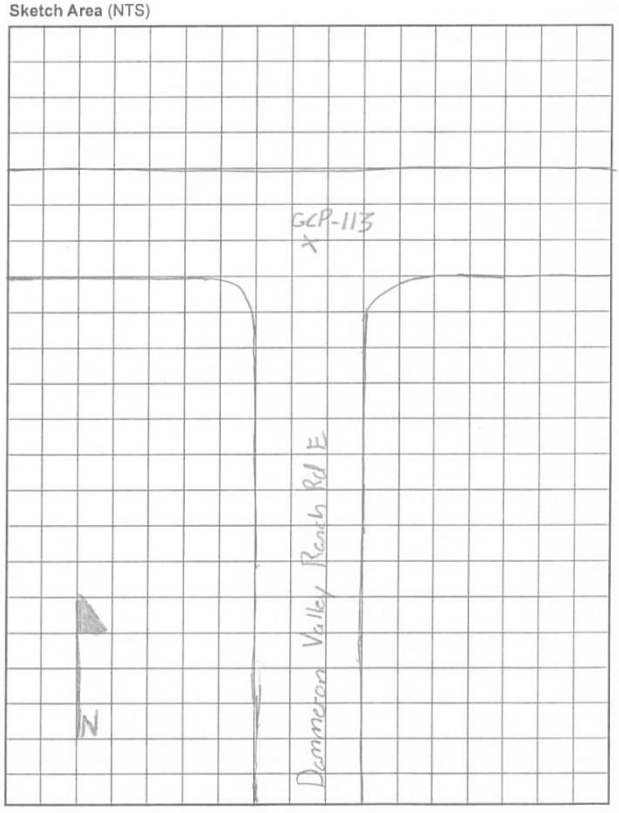
Date: 09/27/2020 Time: 10:07 ☑ a.m. ☐ p.m.

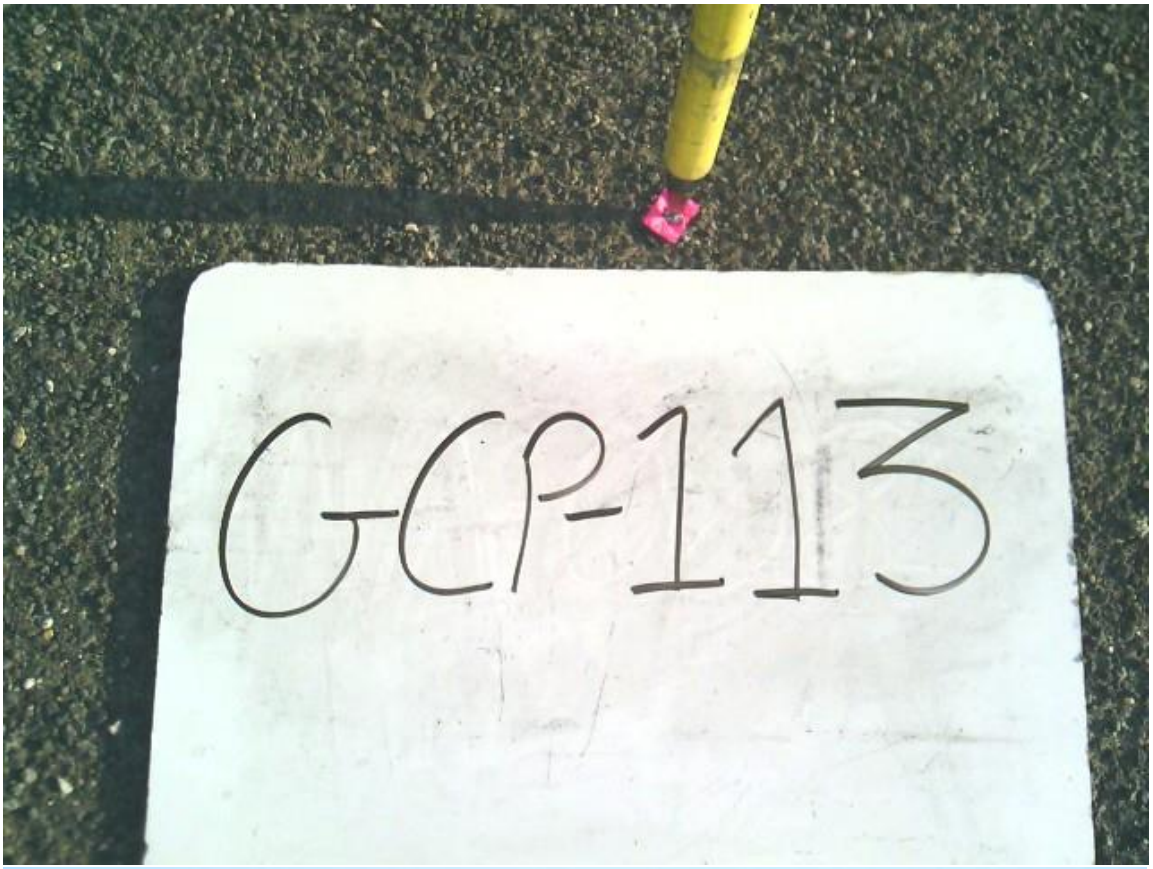
Re-Check Point Number: GCP-113RC

Description of Point:

Nail set on open area

Sketch Area (NTS)




G-CP-113

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10/10/2020 Time: 1:19 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-114

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area on Mesa Rd & Cabin Rd. A Had to move point to Mesa Rd Due to rock wall blocking path on Spring Dr.

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☑ STATIC GPS	(20 min.) Start Time: 1:19 ☐ a.m. ☑ p.m. End: 1:54 ☐ a.m. ☑ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

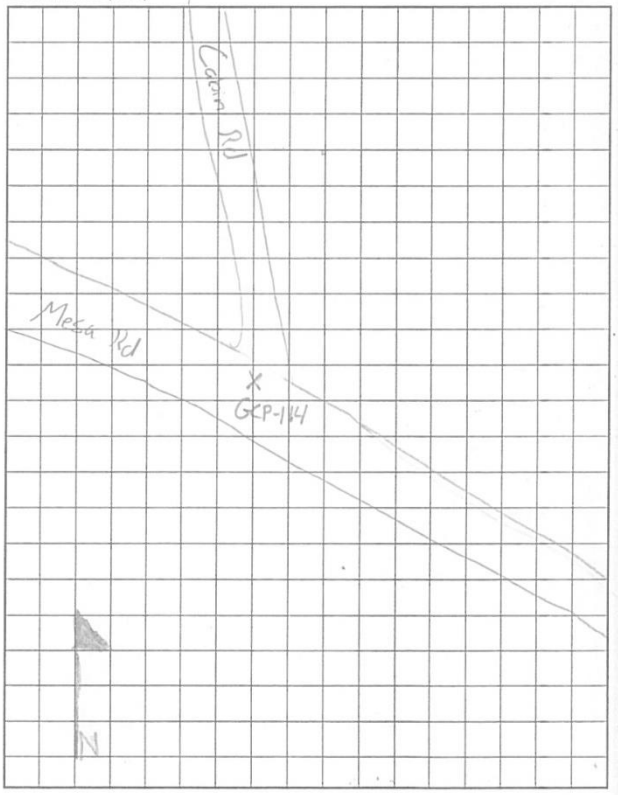
Date: 10/12/2020 Time: 9:46 ☐ a.m. ☐ p.m.

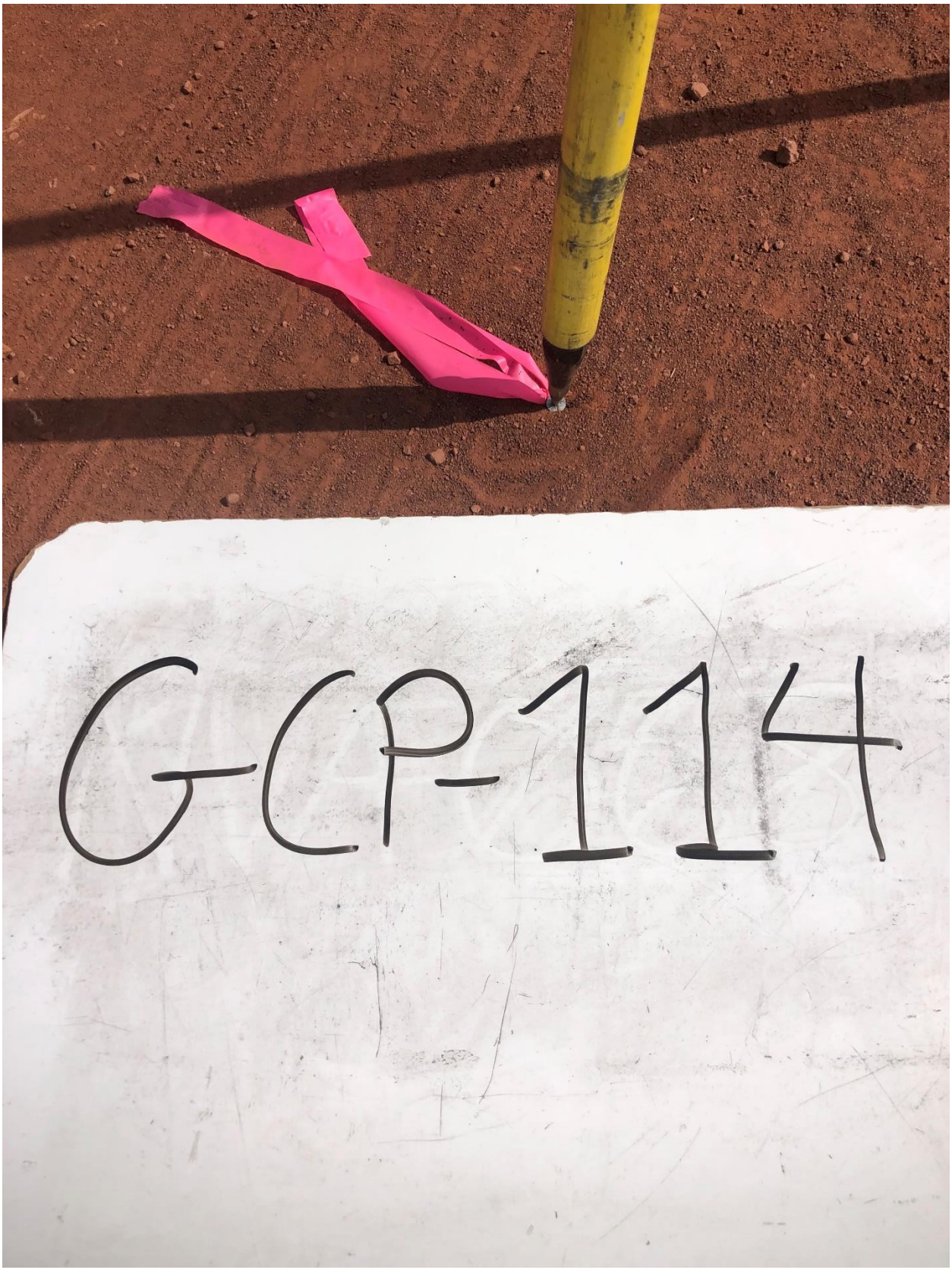
Re-Check Point Number: GCP-114RC

Description of Point:

Nail set in open area

Sketch Area (NTS)




G-CP-114


GCP-114

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10/10/2020 Time: 10:37 ☑ a.m. ☐ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-115

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area on Smith Mesa Rd

OBSERVATION METHOD

☑ VRS GPS	RMS: 1.6 H: 0.004m V: 0.010m Duration: 80
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

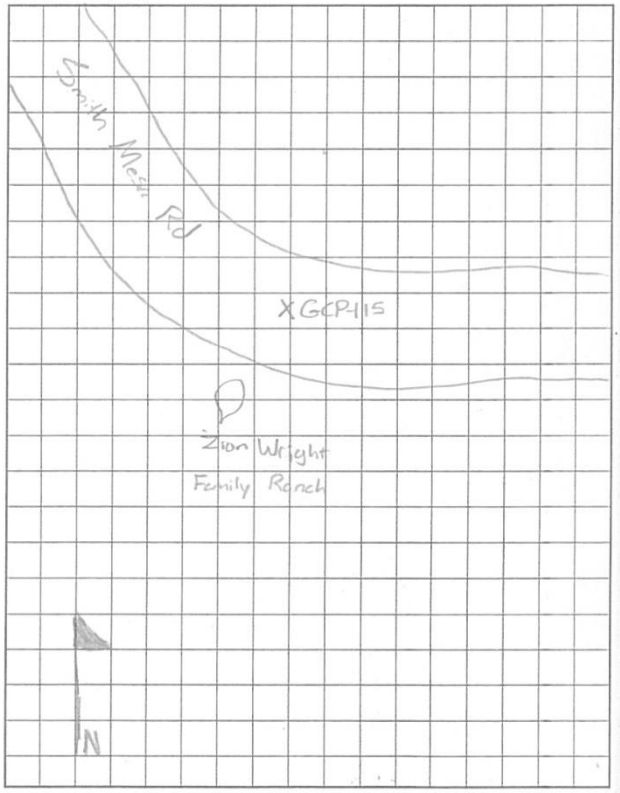
Date: 10/12/2020 Time: 8:52 ☑ a.m. ☐ p.m.

Re-Check Point Number: GCP-115RC

Description of Point:

Nail set in open area.

Sketch Area (NTS)




GCP-115


GCP-115

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10-31-2020 Time: 4:10 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 116

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☒ VRS GPS	RMS: _____ H: _____ V: _____ Duration: 3 MIN.
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☒ Other: NAIL IN DIRT

PICTURES

- ☑ Picture(s) of Area & Setup

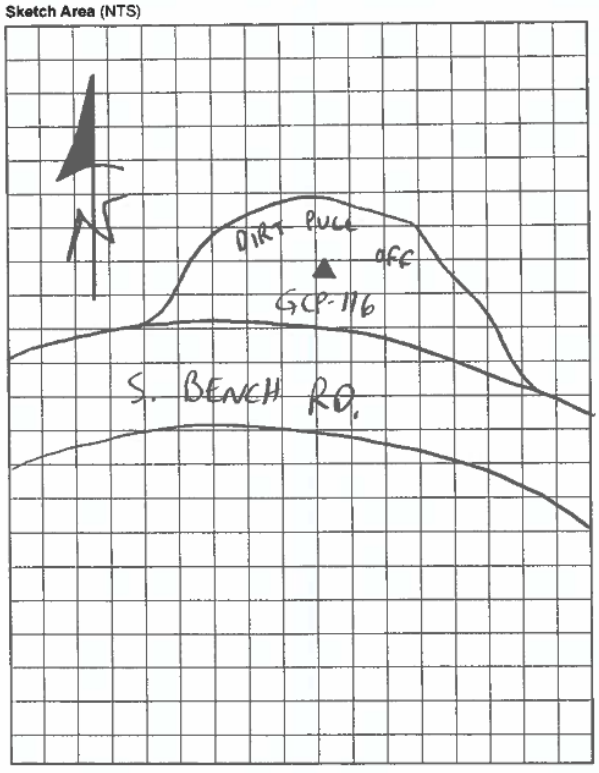
POINT RE-CHECK

Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:
SET NAIL IN DIRT PULL OFF

Sketch Area (NTS)




GCP-116

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10/03/2020 Time: 11:32 ☑ a.m. ☐ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-117

State: Utah Latitude: ☐ + ☐ − Longitude: ☐ + ☐ −

Address and/or Intersection: Open area on Smithsonian Butte Rd

OBSERVATION METHOD

☑ VRS GPS	RMS: 1.5 H: 0.005m V: 0.008m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: ☐ a.m. ☐ p.m. End: ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: RMS: H: V: Duration: Point Number: RMS: H: V: Duration:
☐ Conventional Pairs STATIC	(20 min.) Point Number: Start Time: ☐ a.m. ☐ p.m. End Time: ☐ a.m. ☐ p.m. Point Number: Start Time: ☐ a.m. ☐ p.m. End Time: ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

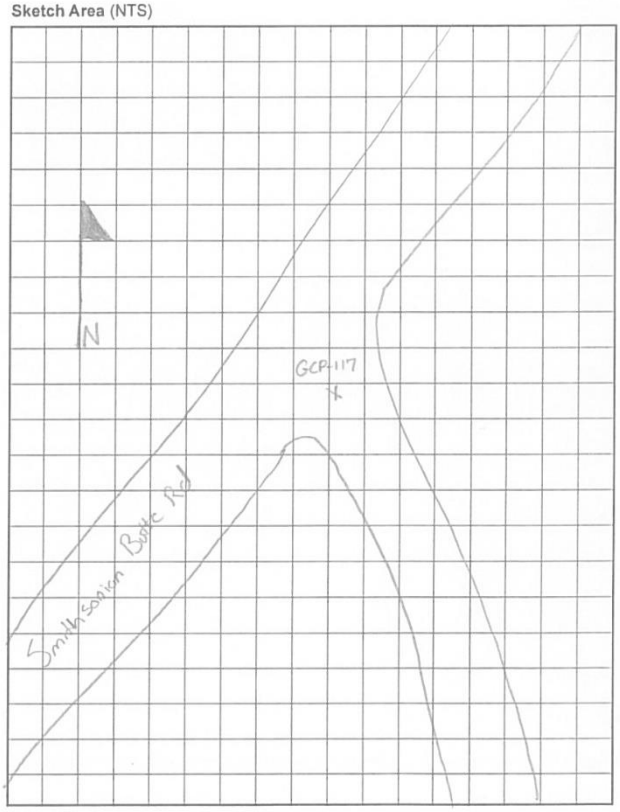
Date: Time: ☐ a.m. ☐ p.m.

Re-Check Point Number:

Description of Point:

Nail set in open area.

Sketch Area (NTS)




GCP-117


GCP117

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10/03/2020 Time: 2:31 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-118

State: Utah Latitude: _____ ☐ + ☐ − Longitude: _____ ☐ + ☐ −

Address and/or Intersection: Open Grass on Sheep Bridge Rd.

OBSERVATION METHOD

☑ VRS GPS	RMS: 1.5 H: 0.003m V: 0.005m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

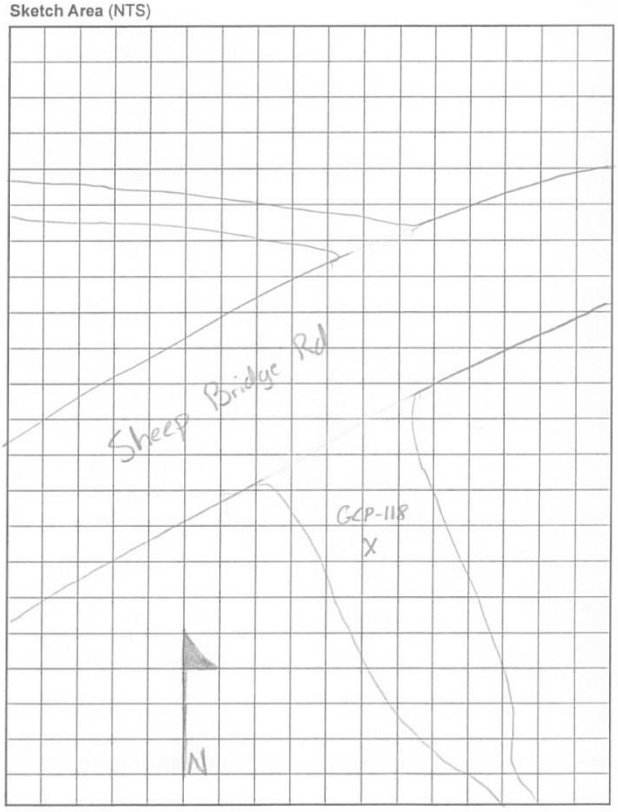
Date: 10/04/2020 Time: 10:49 ☑ a.m. ☐ p.m.

Re-Check Point Number: GCP-118RC

Description of Point:

Nail set in open area.

Sketch Area (NTS)




GCP-118


GCP118

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10/08/2020 Time: 10:59 ☑ a.m. ☐ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-119

State: Utah Latitude: ☐ + ☐ − Longitude: ☐ + ☐ −

Address and/or Intersection: Open area in parking lot at Red Cliffs Recreation Area

OBSERVATION METHOD

☑ VRS GPS	RMS: 2.5 H: 0.005m V: 0.008m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: ☐ a.m. ☐ p.m. End: ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: RMS: H: V: Duration: Point Number: RMS: H: V: Duration:
☐ Conventional Pairs STATIC	(20 min.) Point Number: Start Time: ☐ a.m. ☐ p.m. End Time: ☐ a.m. ☐ p.m. Point Number: Start Time: ☐ a.m. ☐ p.m. End Time: ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

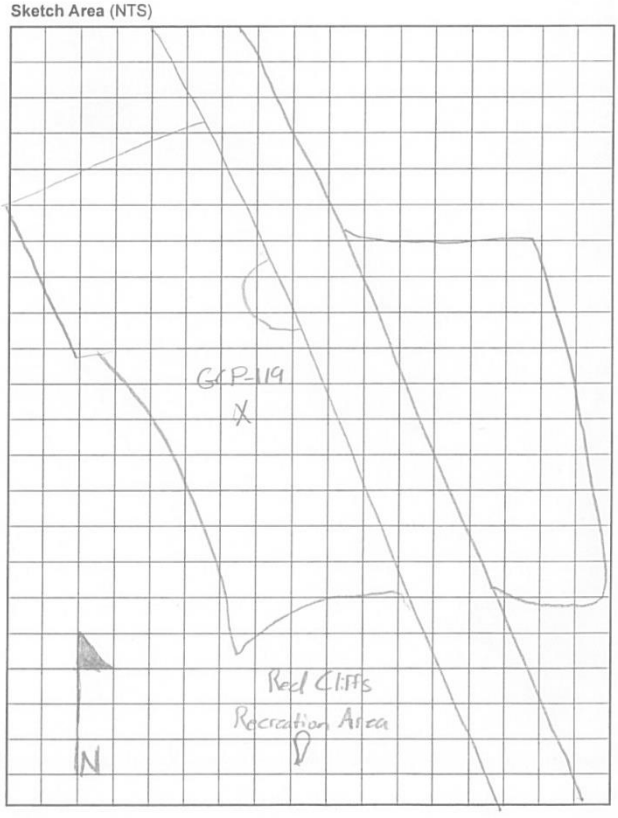
Date: 10/09/2020 Time: 12:21 ☐ a.m. ☑ p.m.

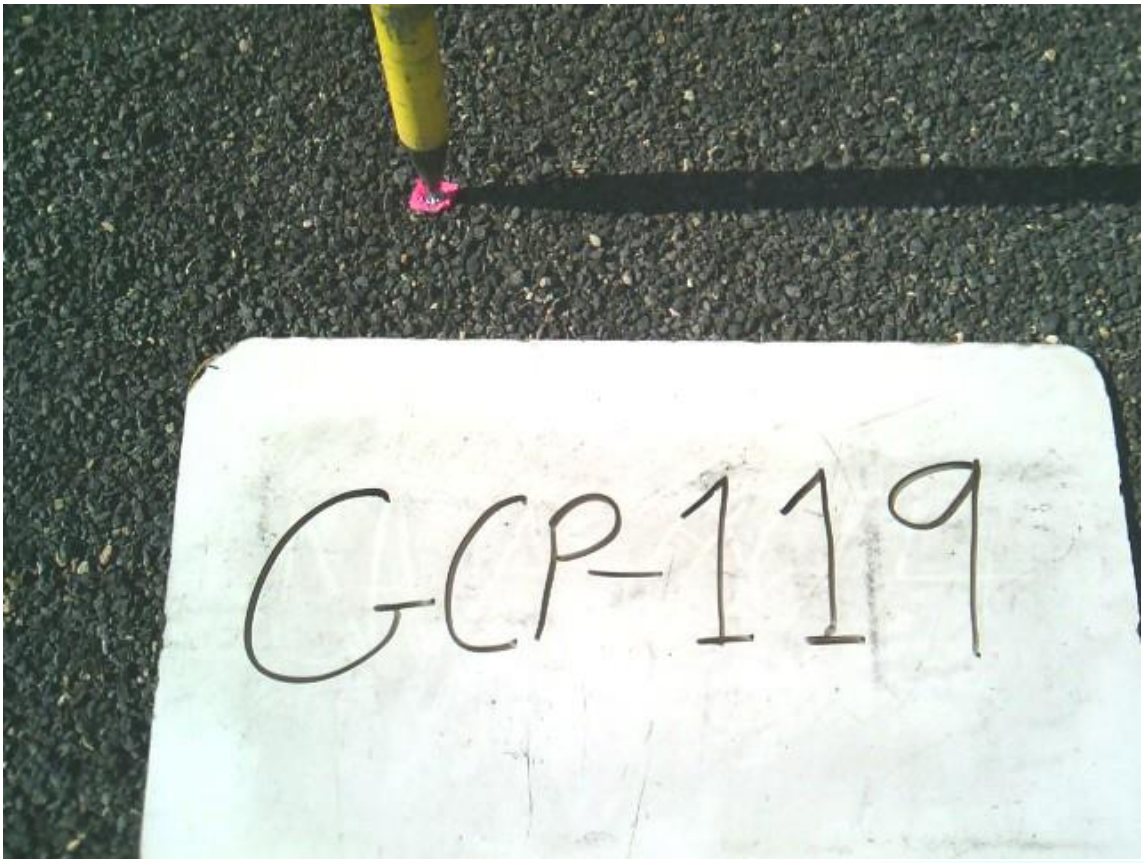
Re-Check Point Number: GCP-119RC

Description of Point:

Nail set in open area.

Sketch Area (NTS)




GCP-119


GCP-119

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/28/2020 Time: 2:09 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-120

State: Utah Latitude: _____ ☐ + ☐ − Longitude: _____ ☐ + ☐ −

Address and/or Intersection: Open area on Clary Hills Dr.

OBSERVATION METHOD

☑ VRS GPS	RMS: 1.8 H: 0.005m V: 0.009m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

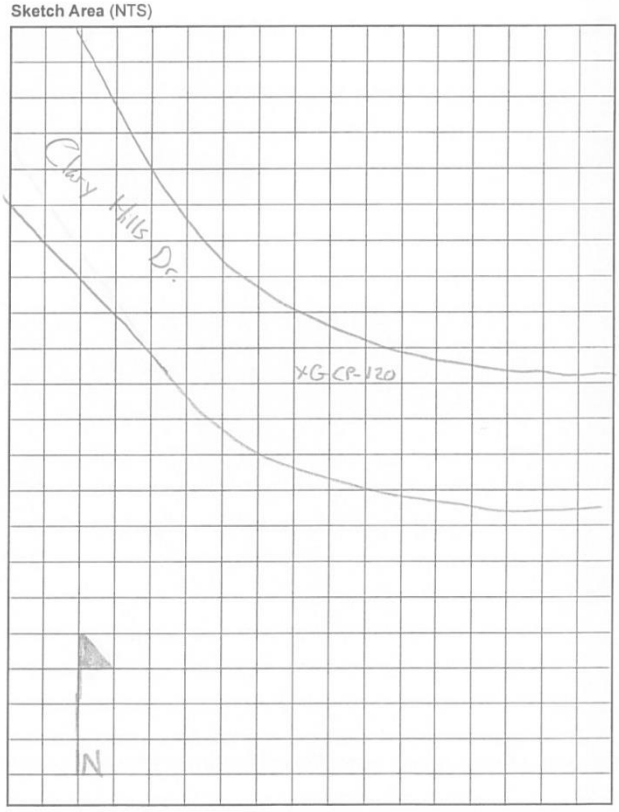
Date: 09/29/2020 Time: 6:17 ☐ a.m. ☑ p.m.

Re-Check Point Number: GCP-120RC

Description of Point:

Nail set in open area
*Moved .50 Miles NE on
Clary Hills Dr.

Sketch Area (NTS)




GCP-120


GCP120

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/30/2020 Time: 2:57 ☐ a.m. ☐ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-121

State: Utah Latitude: ☐ + ☐ – Longitude: ☐ + ☐ –

Address and/or Intersection: Open area off of Lytle Ranch Rd

OBSERVATION METHOD

☐ VRS GPS	RMS: 1.5 H: 0.008m V: 0.010m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: ☐ a.m. ☐ p.m. End: ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: RMS: H: V: Duration: Point Number: RMS: H: V: Duration:
☐ Conventional Pairs STATIC	(20 min.) Point Number: Start Time: ☐ a.m. ☐ p.m. End Time: ☐ a.m. ☐ p.m. Point Number: Start Time: ☐ a.m. ☐ p.m. End Time: ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

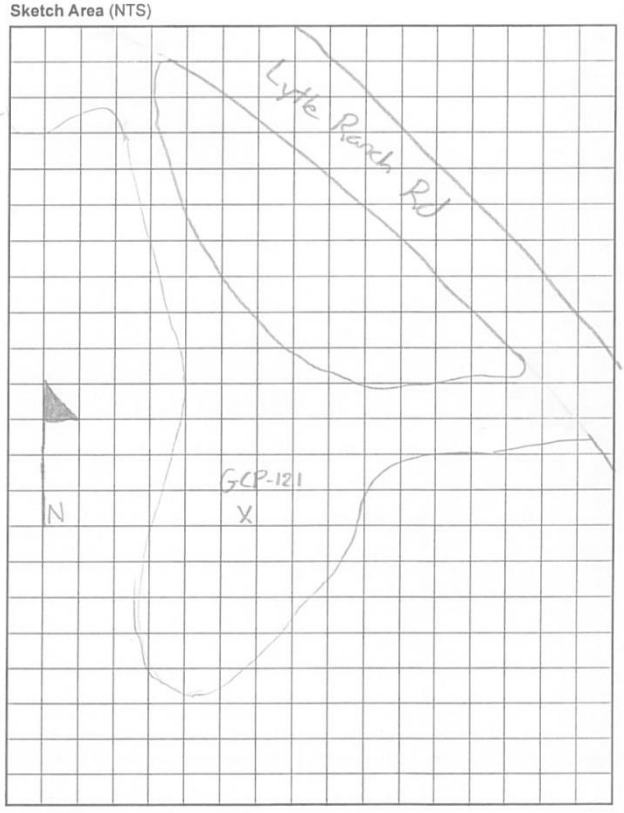
Date: Time: ☐ a.m. ☐ p.m.

Re-Check Point Number:

Description of Point:

Nail set in Open area

Sketch Area (NTS)




GCP-121


GCP-121

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/30/2020 Time: 1:25 ☐ a.m. ☒ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-122

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area off of W Old Hwy 91 & Mormon Well Rd

OBSERVATION METHOD

☒ VRS GPS	RMS: 2.1 H: 0.006m V: 0.011m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☒ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

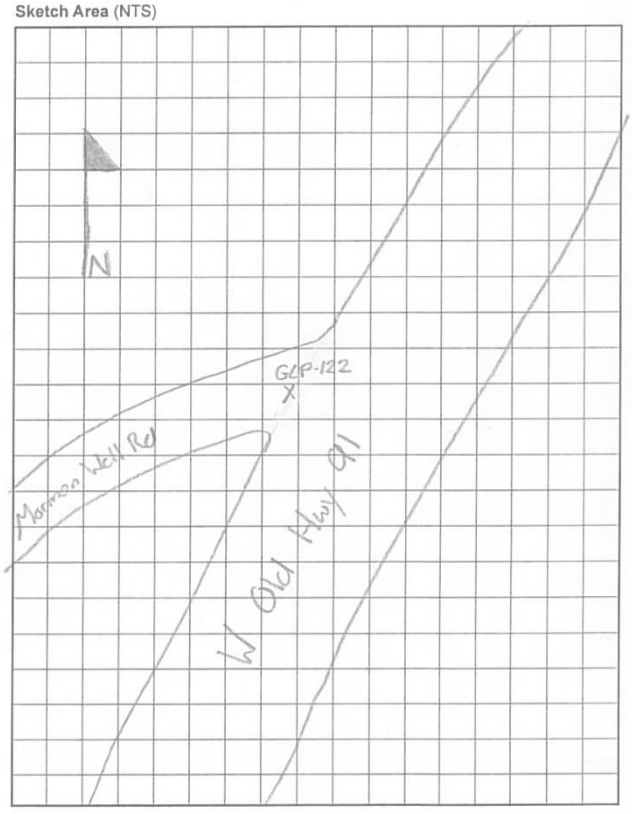
Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:

Nail set in open area.

Sketch Area (NTS)




GCP-122


GCP-122

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/28/2020 Time: 11:50 ☐ a.m. ☐ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-123

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area on 4700 E

OBSERVATION METHOD

☑ VRS GPS	RMS: 1.7 H: 0.015m V: 0.031m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

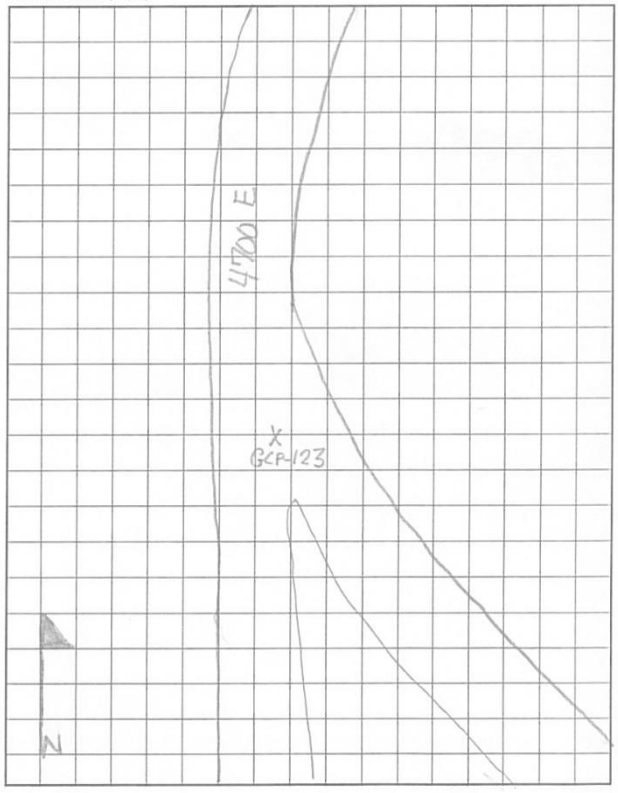
Date: 09/29/2020 Time: 10:36 ☑ a.m. ☐ p.m.

Re-Check Point Number: GCP-123RC

Description of Point:

Nail set in open area

Sketch Area (NTS)




GCP-123


GCP-123

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 09/28/2020 Time: 10:33 ☑ a.m. ☐ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: G-CP-124

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area on Southern Pkwy

OBSERVATION METHOD

☑ VRS GPS	RMS: 1.4 H: 0.005m V: 0.007m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

- ☐ Paint Stripe
- ☐ Center/End Stop Bar
- ☐ Tip of Arrow
- ☐ Sidewalk Corner
- ☐ Driveway Corner
- ☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

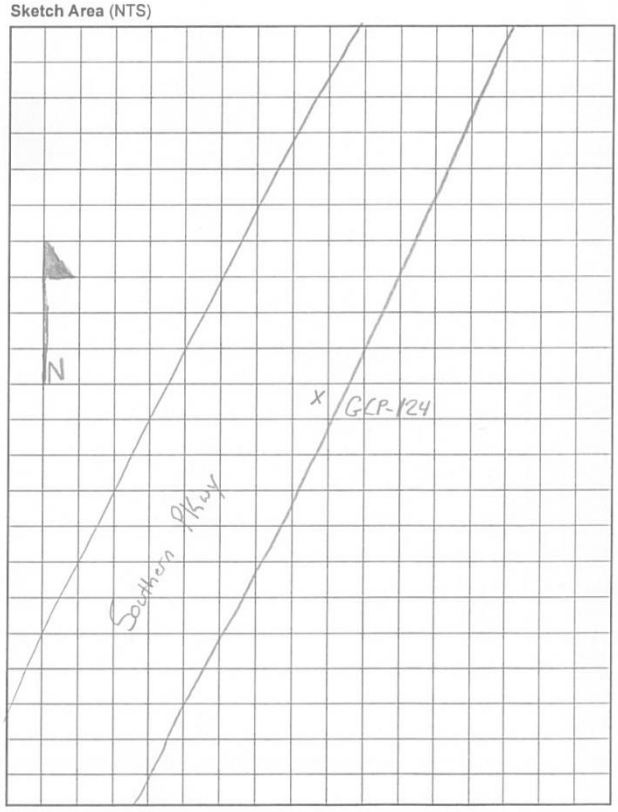
Date: 09/29/2020 Time: 9:55 ☑ a.m. ☐ p.m.

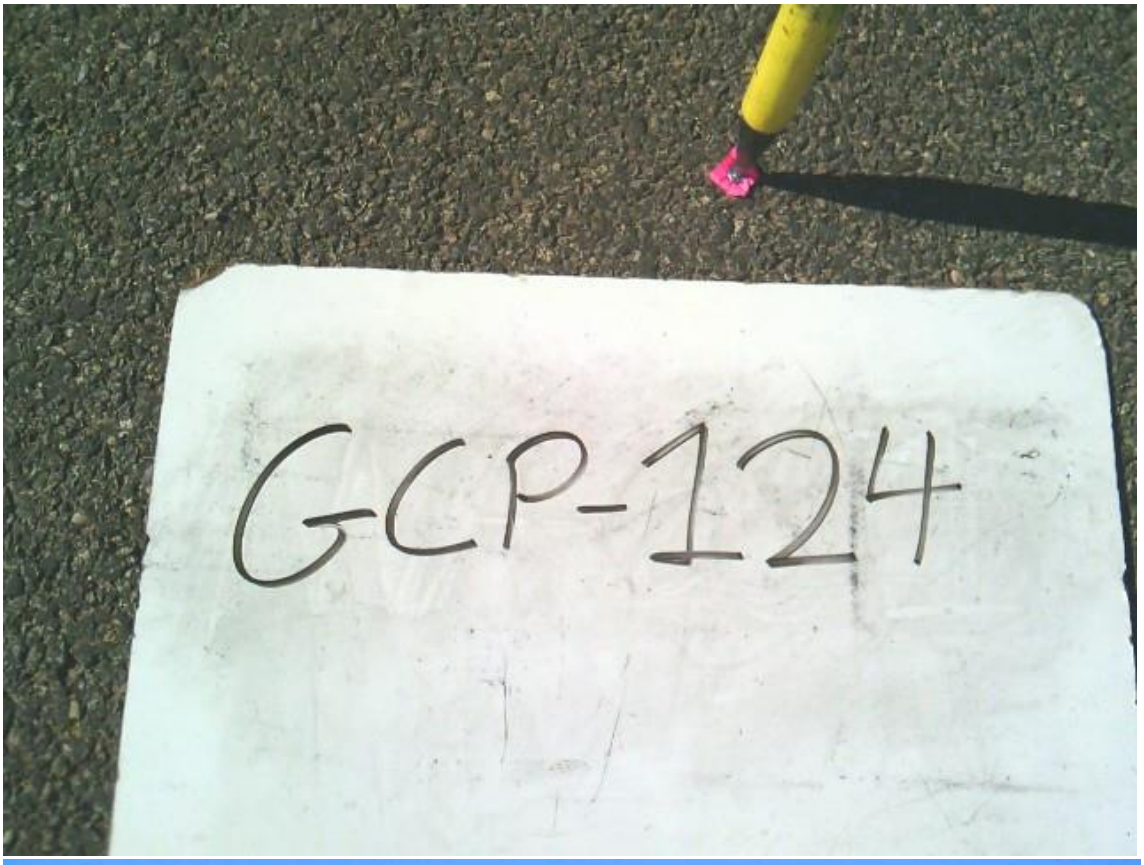
Re-Check Point Number: GCP-124RC

Description of Point:

Nail set on open area

Sketch Area (NTS)




GCP-124

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10/04/2020 Time: 5:28 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-125

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area on dirt trail

OBSERVATION METHOD

☑ VRS GPS	RMS: 1.5 H: 0.006m V: 0.009m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

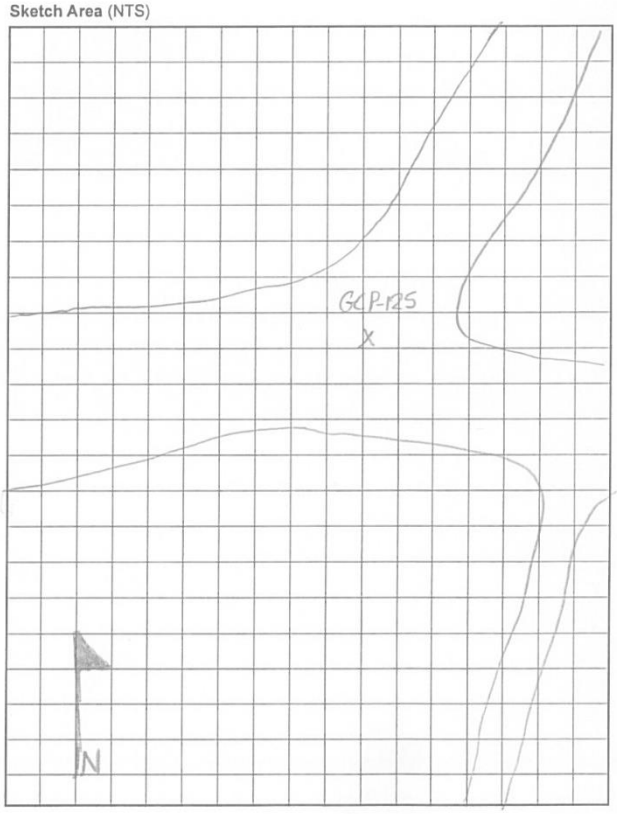
Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:

Nail set in Open area

Sketch Area (NTS)




GCP-125

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10/04/2020 Time: 4:47 ☐ a.m. ☑ p.m. Employee Name: AG

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-126

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area on S 1100 W

OBSERVATION METHOD

☑ VRS GPS	RMS: 1.1 H: 0.005m V: 0.008m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

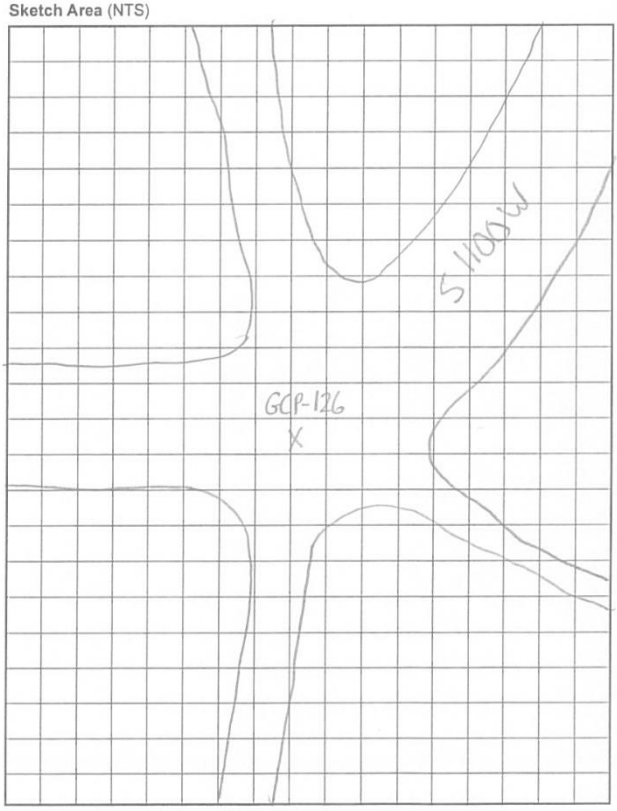
Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:

Nail set in open area

Sketch Area (NTS)




GCP-126


GCP-126

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10/04/2020 Time: 3:34 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-127

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area on Little Creek Mesa Rd

OBSERVATION METHOD

☑ VRS GPS	RMS: 1.5 H: 0.005m V: 0.008m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

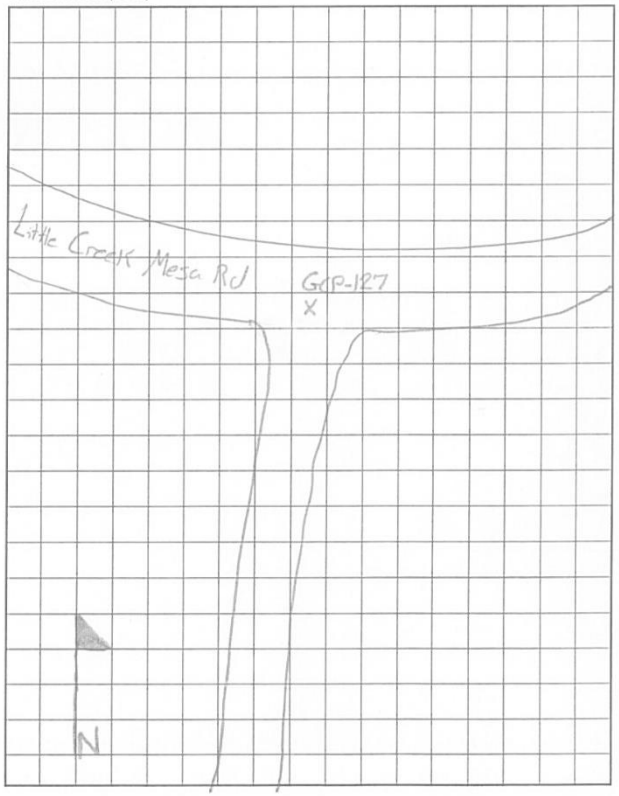
Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:

Nail set in open area

Sketch Area (NTS)




GCP-127


GCP-127

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10/04/2020 Time: 1:05 ☐ a.m. ☑ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-128

State: Utah Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: Open area on E 2700 W

OBSERVATION METHOD

☑ VRS GPS	RMS: 1.6 H: 0.004m V: 0.007m Duration: 180
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open Area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

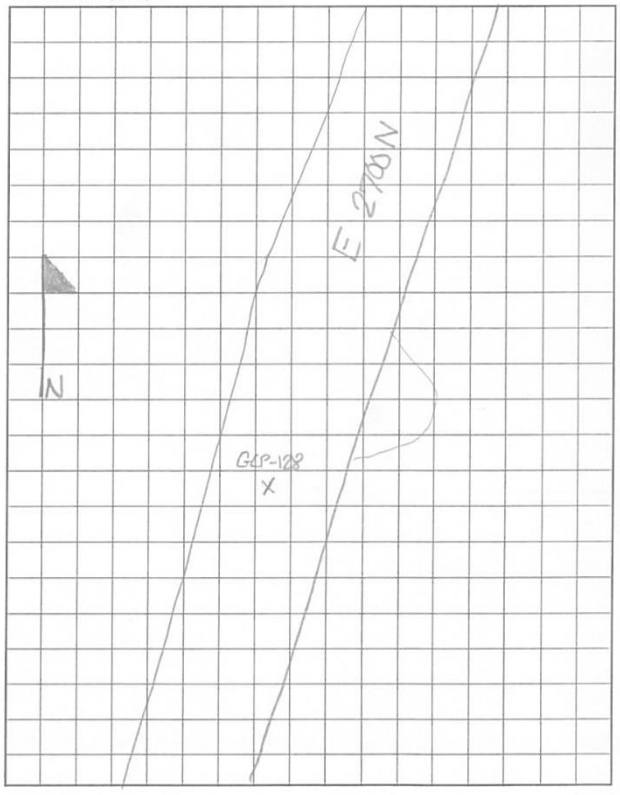
Date: 10/12/2020 Time: 11:25 ☑ a.m. ☐ p.m.

Re-Check Point Number: GCP-128RC

Description of Point:

Nail set in open area

Sketch Area (NTS)




GCP-128


GCP-128

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10/1/2020 Time: 11:50 ☑ a.m. ☐ p.m. Employee Name: AO

Job Name: UT_NorthernUT 2019 B19 QL2 LiDAR GCP Point Number: GCP-129

State: Utah Latitude: _____ ☐ + ☐ − Longitude: _____ ☐ + ☐ −

Address and/or Intersection: Open area on School Bound Rd

OBSERVATION METHOD

☐ VRS GPS	RMS: _____ H: _____ V: _____ Duration: _____
☑ STATIC GPS	(20 min.) Start Time: 11:50 ☑ a.m. ☐ p.m. End: 12:25 ☐ a.m. ☑ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☑ Other: Open area

PICTURES

☑ Picture(s) of Area & Setup

POINT RE-CHECK

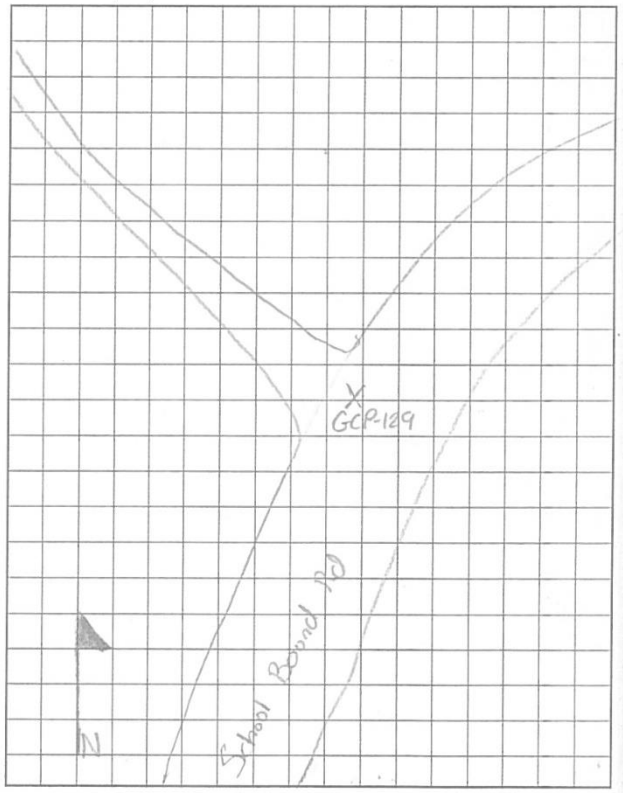
Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

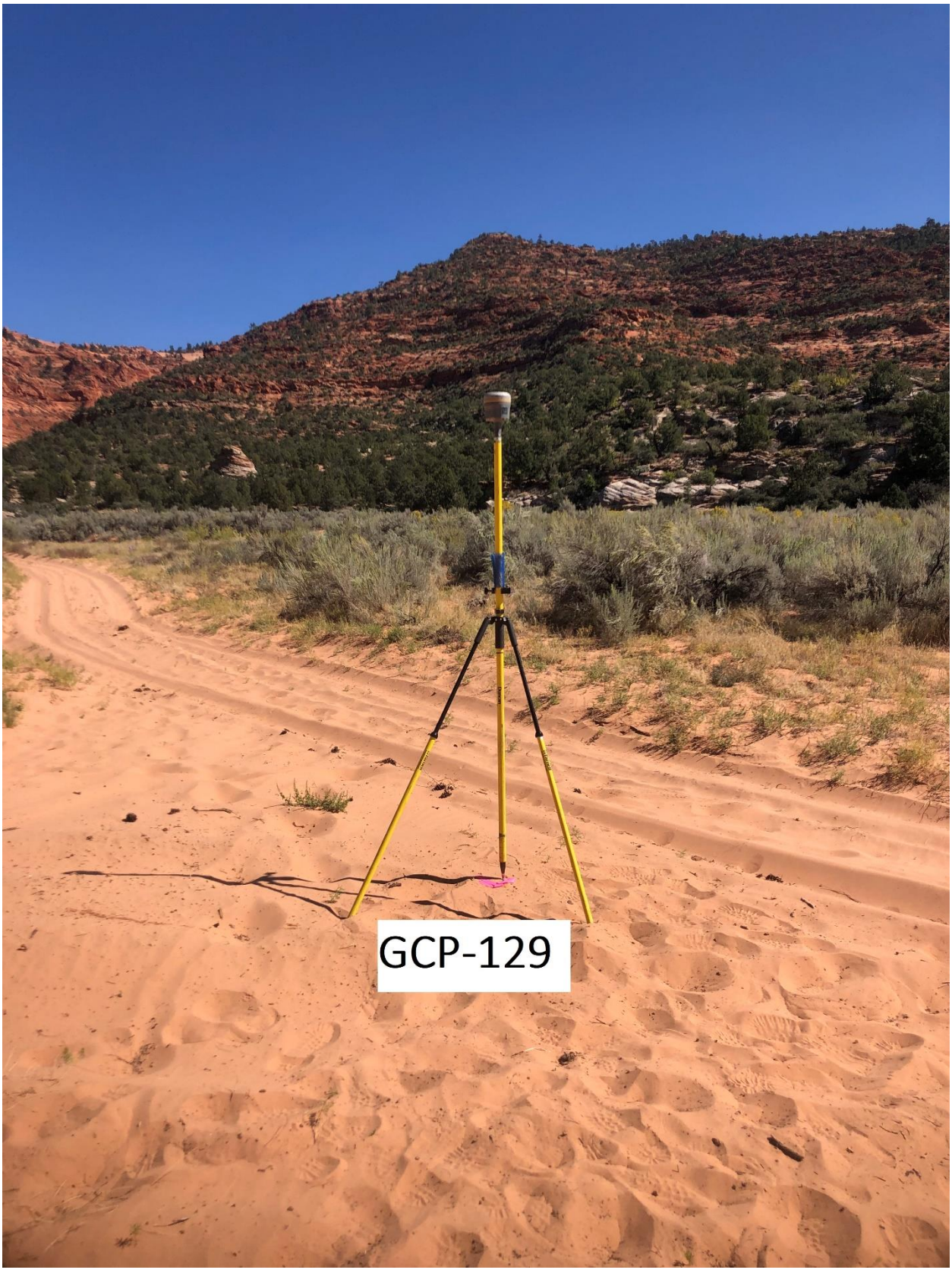
Description of Point:

Nail set in open area

Sketch Area (NTS)




GCP-129


GCP-129

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10-3-2020 Time: 12:43 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 130

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☒ VRS GPS	RMS: _____ H: _____ V: _____ Duration: 3 MIN.
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☒ Other: NAIL IN PAVEMENT

PICTURES

☑ Picture(s) of Area & Setup

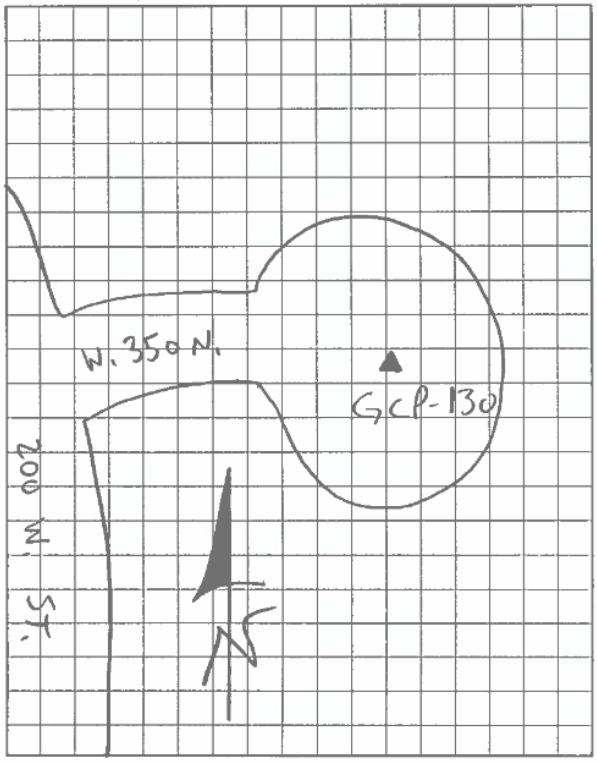
POINT RE-CHECK

Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:
SET NAIL IN PAVED ROAD

Sketch Area (NTS)




GCP-130

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10-3-2020 Time: 12:17 ☐ a.m. ☒ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 131

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☒ VRS GPS	RMS: _____ H: _____ V: _____ Duration: 3 MIN.
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☒ Other: NAIL IN PAVEMENT

PICTURES

☑ Picture(s) of Area & Setup

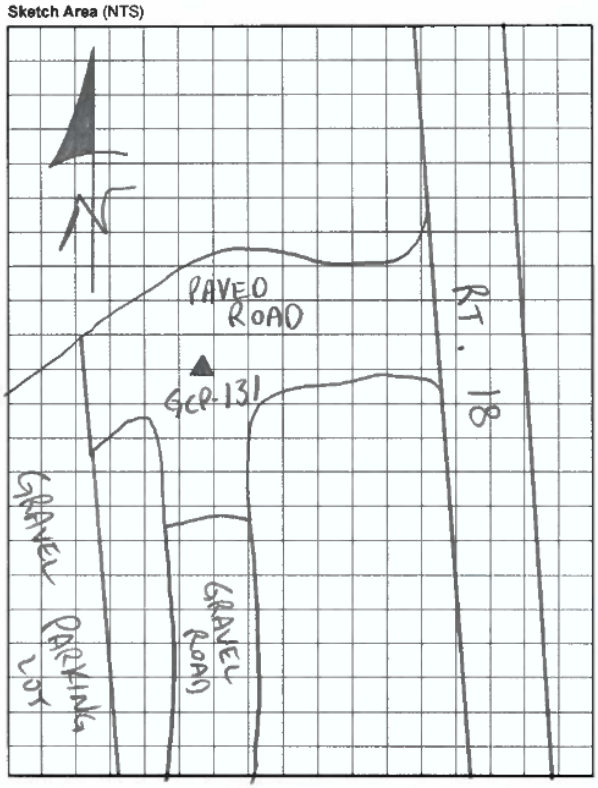
POINT RE-CHECK

Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:
SET NAIL IN PAVED ROAD

Sketch Area (NTS)




GCP-131

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10-3-2020 Time: 11:56 ☒ a.m. ☐ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 132

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☒ VRS GPS	RMS: _____ H: _____ V: _____ Duration: 3 MIN.
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☒ Other: NAIL IN PAVEMENT

PICTURES

☑ Picture(s) of Area & Setup

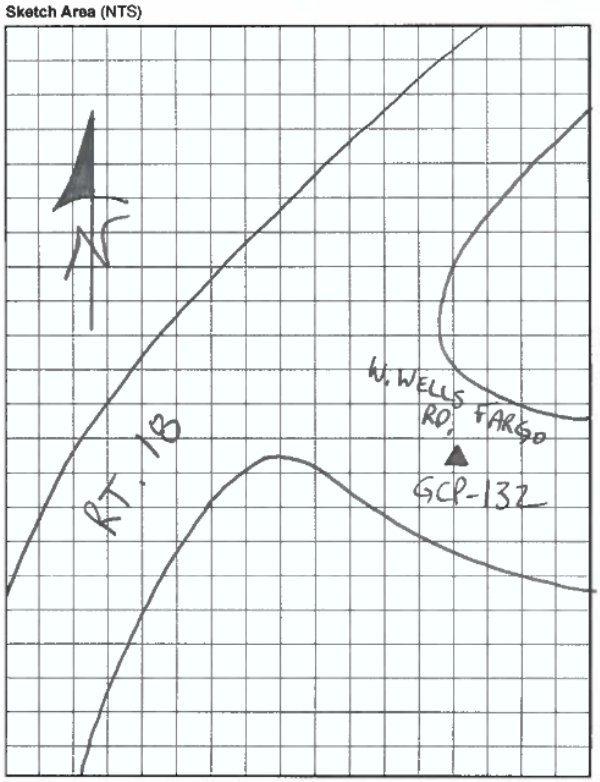
POINT RE-CHECK

Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:
SET NAIL IN

Sketch Area (NTS)




GCP-132

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10-3-2020 Time: 11:34 ☒ a.m. ☐ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 133

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☒ VRS GPS	RMS: _____ H: _____ V: _____ Duration: 3 MIN.
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☒ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☐ Other: _____

PICTURES

☑ Picture(s) of Area & Setup

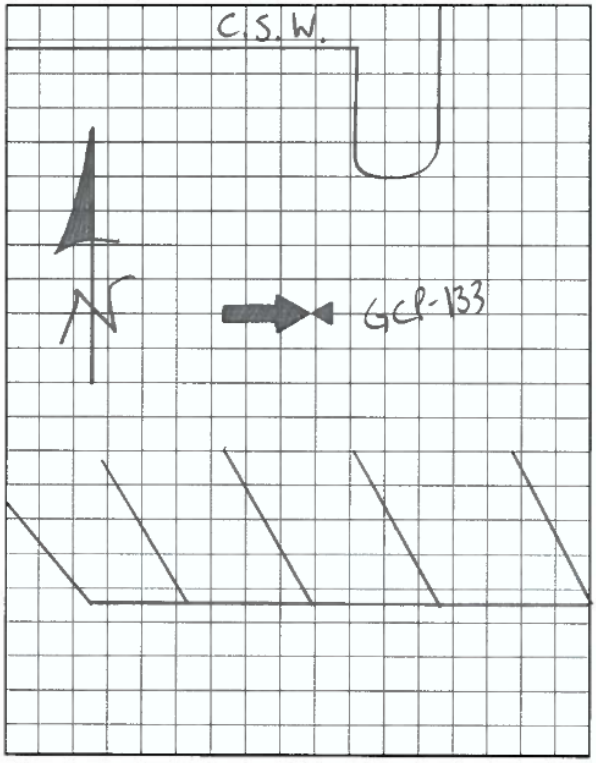
POINT RE-CHECK

Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point: SHOT TIP OF WHITE TRAFFIC ARROW

Sketch Area (NTS)




GCP-133

Dewberry

GROUND CONTROL POINT DOCUMENTATION REPORT

Date: 10-3-2020 Time: 11:13 ☒ a.m. ☐ p.m. Employee Name: Wes Newman

Job Name: Utah LiDAR - 50080942 GCP Point Number: GCP - 134

State: UT Latitude: _____ ☐ + ☐ – Longitude: _____ ☐ + ☐ –

Address and/or Intersection: _____

OBSERVATION METHOD

☒ VRS GPS	RMS: _____ H: _____ V: _____ Duration: 3 MIN.
☐ STATIC GPS	(20 min.) Start Time: _____ ☐ a.m. ☐ p.m. End: _____ ☐ a.m. ☐ p.m.
☐ Conventional Pairs VRS	Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____ Point Number: _____ RMS: _____ H: _____ V: _____ Duration: _____
☐ Conventional Pairs STATIC	(20 min.) Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m. Point Number: _____ Start Time: _____ ☐ a.m. ☐ p.m. End Time: _____ ☐ a.m. ☐ p.m.

TYPE OF GROUND CONTROL POINT

☐ Paint Stripe

☐ Center/End Stop Bar

☐ Tip of Arrow

☐ Sidewalk Corner

☐ Driveway Corner

☒ Other: NAIL IN PAVEMENT

PICTURES

☑ Picture(s) of Area & Setup

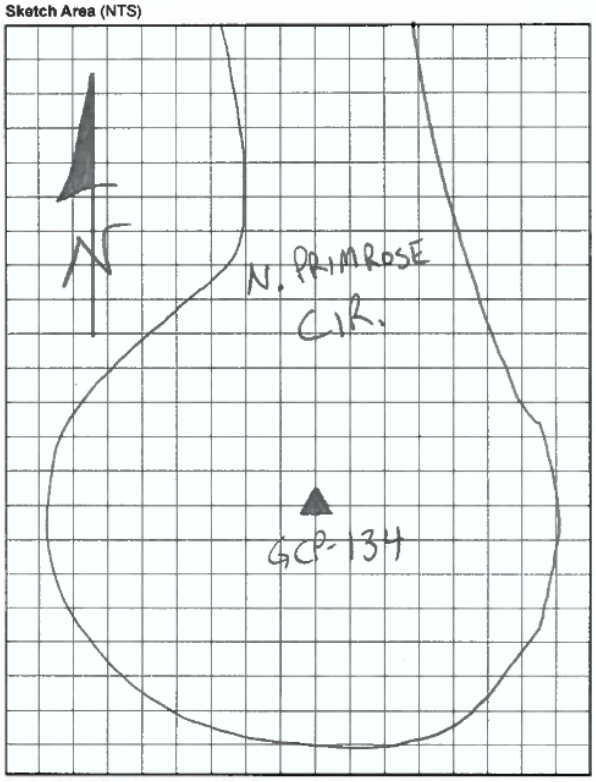
POINT RE-CHECK

Date: _____ Time: _____ ☐ a.m. ☐ p.m.

Re-Check Point Number: _____

Description of Point:
SET NAIL IN PAVED ROAD

Sketch Area (NTS)




GCP-134